

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054762.D
 Acq On : 29 Mar 2019 11:19
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:08 PM

Quant Time: Mar 30 00:30:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:11:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	458598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	748291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	656965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	310447	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	247594	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	946510	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	312140	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	217985	46.992	ug/l	99
3) Chloromethane	2.06	50	306404	47.772	ug/l	99
4) Vinyl Chloride	2.19	62	273552	47.493	ug/l	99
5) Bromomethane	2.57	94	156424	44.957	ug/l	96
6) Chloroethane	2.71	64	149212	46.393	ug/l	100
7) Trichlorofluoromethane	3.02	101	340315	48.058	ug/l	100
8) Diethyl Ether	3.41	74	111402	48.857	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	175385	50.102	ug/l	93
10) Methyl Iodide	3.95	142	266687	52.259	ug/l #	87
11) Tert butyl alcohol	4.82	59	78204	240.391	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	174840	48.501	ug/l #	76
13) Acrolein	3.61	56	67284	233.668	ug/l	100
14) Allyl chloride	4.32	41	429841	48.865	ug/l #	90
15) Acrylonitrile	5.00	53	441447	246.577	ug/l	100
16) Acetone	3.82	43	356263	241.666	ug/l #	81
17) Carbon Disulfide	4.04	76	561070	47.987	ug/l	100
18) Methyl Acetate	4.33	43	194500	45.685	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	621770	49.309	ug/l	93
20) Methylene Chloride	4.55	84	243742	46.873	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	228667	48.294	ug/l	86
22) Diisopropyl ether	5.96	45	876294	49.898	ug/l #	94
23) Vinyl Acetate	5.90	43	3170200	265.651	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	462185	49.336	ug/l	97
25) 2-Butanone	6.85	43	565725	259.609	ug/l	89
26) 2,2-Dichloropropane	6.82	77	326176	49.677	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	261973	48.977	ug/l	87
28) Bromochloromethane	7.19	49	232624	49.660	ug/l #	71
29) Tetrahydrofuran	7.22	42	364868	240.749	ug/l #	84
30) Chloroform	7.37	83	440933	49.361	ug/l	100
31) Cyclohexane	7.65	56	439072	40.728	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	370555	50.056	ug/l	95
36) 1,1-Dichloropropene	7.79	75	338882	49.614	ug/l	95
37) Ethyl Acetate	6.94	43	245970	49.022	ug/l	95
38) Carbon Tetrachloride	7.77	117	320117	47.269	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	378493	49.375	ug/l	89
40) Benzene	8.04	78	990871	49.664	ug/l	99
41) Methacrylonitrile	7.18	41	143541	49.973	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	346256	48.605	ug/l	97
43) Isopropyl Acetate	8.17	43	430152	51.774	ug/l #	94
44) Trichloroethene	8.83	130	251545	48.569	ug/l	91
45) 1,2-Dichloropropane	9.12	63	279371	49.108	ug/l	100
46) Dibromomethane	9.21	93	158976	49.676	ug/l	89
47) Bromodichloromethane	9.40	83	336964	50.663	ug/l	99
48) Methyl methacrylate	9.20	41	222170	49.331	ug/l	87
49) 1,4-Dioxane	9.20	88	45611	1020.686	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1204767	257.920	ug/l	92
52) Toluene	10.16	92	595685	50.176	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329721	52.701	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	392334	52.496	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	212027	48.031	ug/l	95
56) Ethyl methacrylate	10.43	69	298050	51.470	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	383493	50.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	600593	270.477	ug/l #	89
59) 2-Hexanone	10.75	43	750547	250.998	ug/l	90
60) Dibromochloromethane	10.90	129	233405	52.196	ug/l	100
61) 1,2-Dibromoethane	11.00	107	213539	50.618	ug/l	99
64) Tetrachloroethene	10.63	164	243079	48.217	ug/l	96
65) Chlorobenzene	11.43	112	625643	48.640	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241305	50.121	ug/l	99
67) Ethyl Benzene	11.51	91	1135619	48.925	ug/l	97
68) m/p-Xylenes	11.62	106	841290	97.942	ug/l	93
69) o-Xylene	11.95	106	407750	48.409	ug/l	94
70) Styrene	11.96	104	691562	51.350	ug/l	97
71) Bromoform	12.13	173	146554	51.960	ug/l #	99
73) Isopropylbenzene	12.25	105	1089278	45.617	ug/l	98
74) N-amyl acetate	12.07	43	358664	48.212	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	263770	44.479	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	223178m	45.492	ug/l	
77) Bromobenzene	12.53	156	268550	46.599	ug/l	85
78) n-propylbenzene	12.59	91	1240551	47.267	ug/l	96
79) 2-Chlorotoluene	12.67	91	740865	45.627	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	909649	46.426	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62068	47.570	ug/l #	85
82) 4-Chlorotoluene	12.77	91	750752	47.603	ug/l	95
83) tert-Butylbenzene	12.99	119	778864	45.457	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	904367	48.448	ug/l	97
85) sec-Butylbenzene	13.17	105	983163	46.191	ug/l	98
86) p-Isopropyltoluene	13.29	119	888798	47.345	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	461578	47.838	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	452003	47.763	ug/l	98
89) n-Butylbenzene	13.61	91	750607	49.006	ug/l	98
90) Hexachloroethane	13.87	117	152214	47.756	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	457739	47.006	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40769	49.942	ug/l	85

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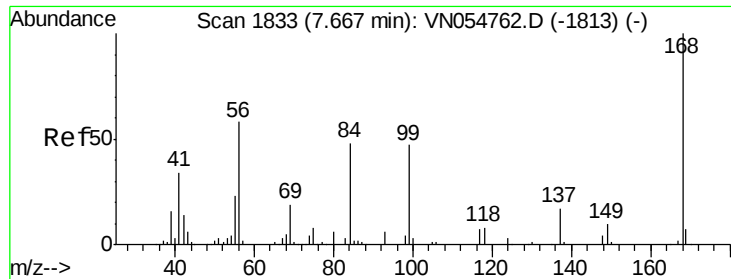
Manual Integrations
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4/1/2019 4:00:08 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236402	50.356	ug/l	100
94) Hexachlorobutadiene	15.01	225	143241	45.233	ug/l	99
95) Naphthalene	15.13	128	510559	48.490	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	233342	49.215	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 458598

Ion Ratio Lower Upper

168 100

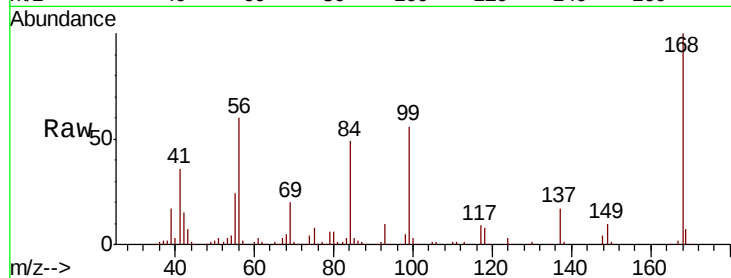
99 55.2 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

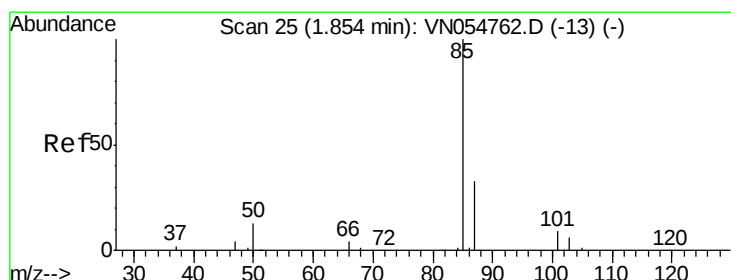
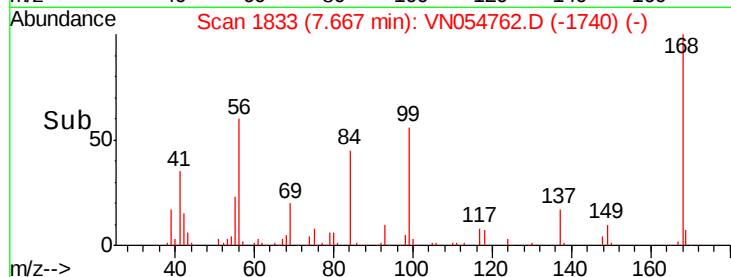
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 46.992 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054762.D

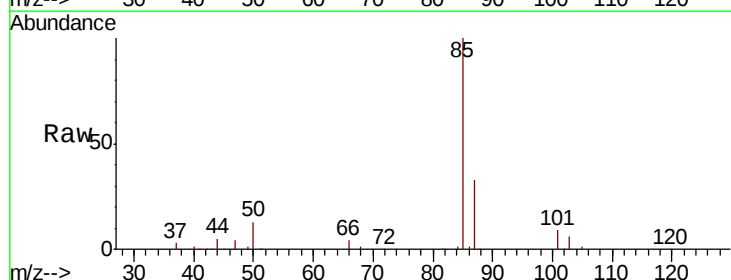
Acq: 29 Mar 2019 11:19

Tgt Ion: 85 Resp: 217985

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

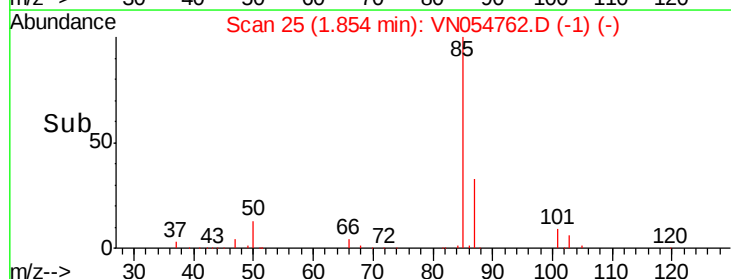
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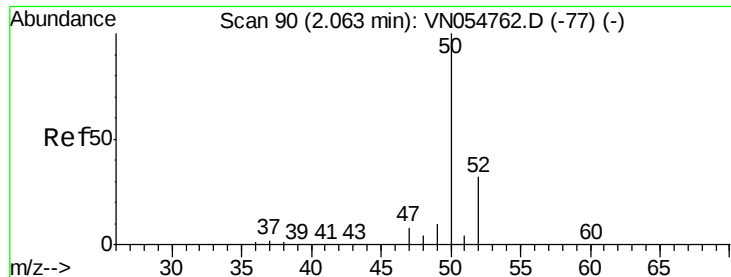
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.772 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 306404

Ion Ratio Lower Upper

50 100

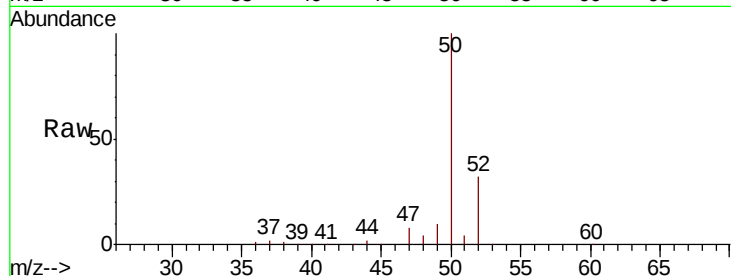
52 32.2 26.4 39.6

Manual Integrations

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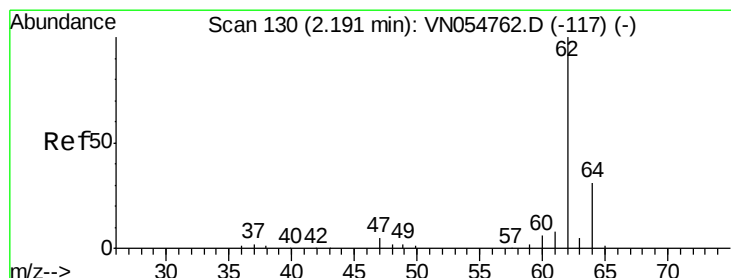
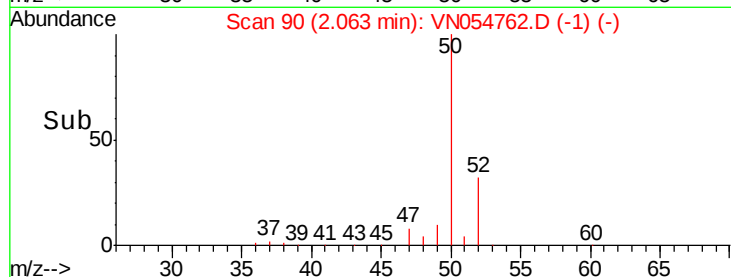
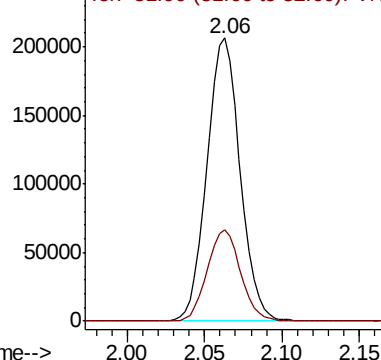
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.493 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054762.D

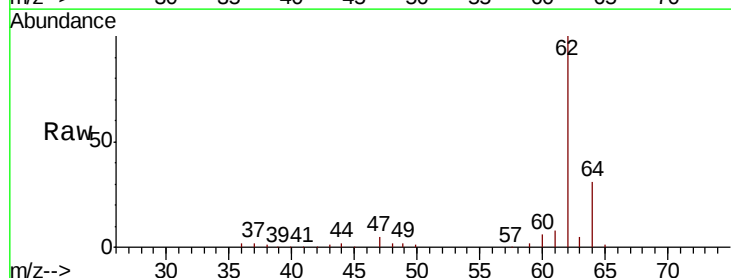
Acq: 29 Mar 2019 11:19

Tgt Ion: 62 Resp: 273552

Ion Ratio Lower Upper

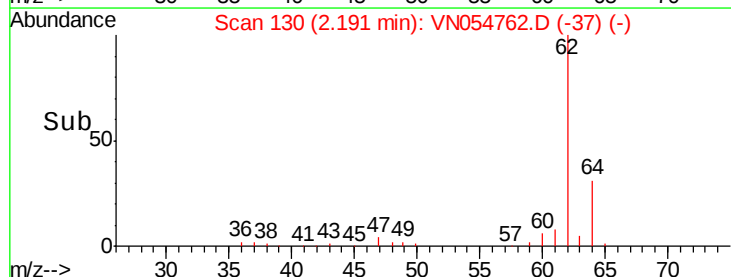
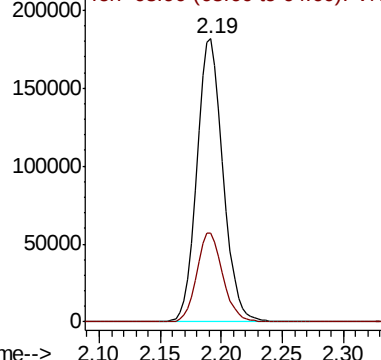
62 100

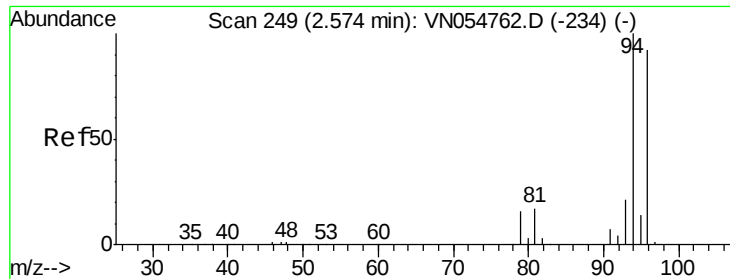
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.957 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 156424

Ion Ratio Lower Upper

94 100

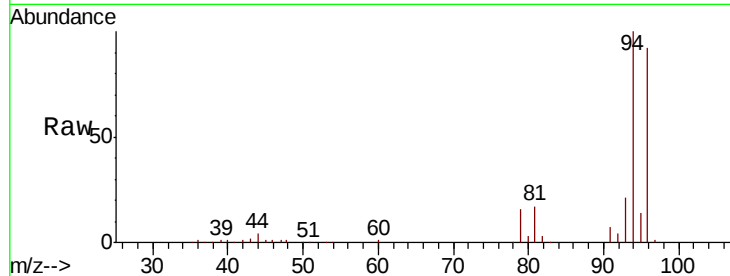
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Manual Integrations

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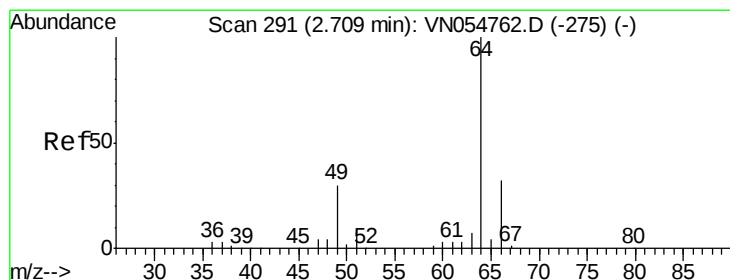
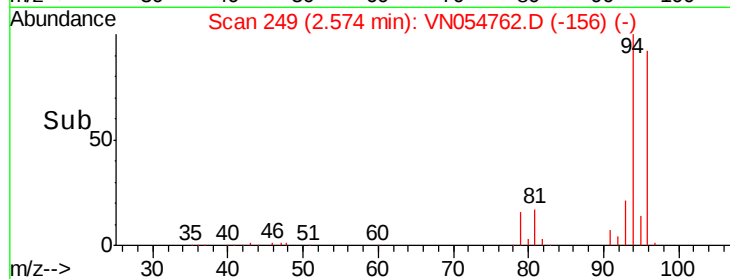
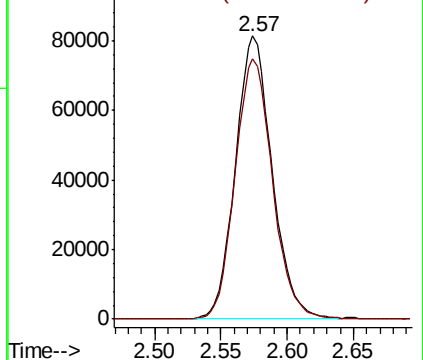
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.393 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054762.D

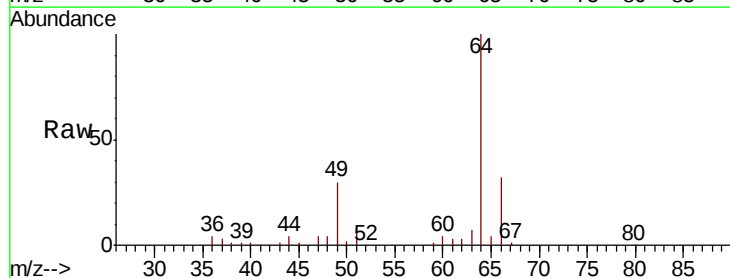
Acq: 29 Mar 2019 11:19

Tgt Ion: 64 Resp: 149212

Ion Ratio Lower Upper

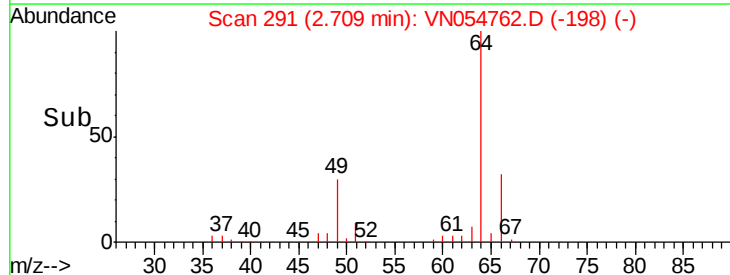
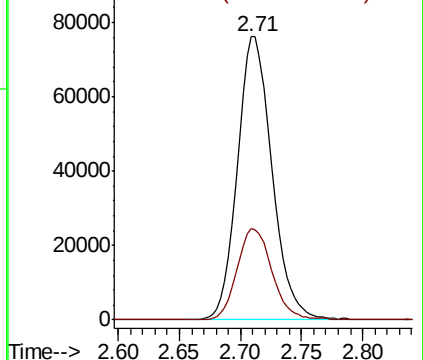
64 100

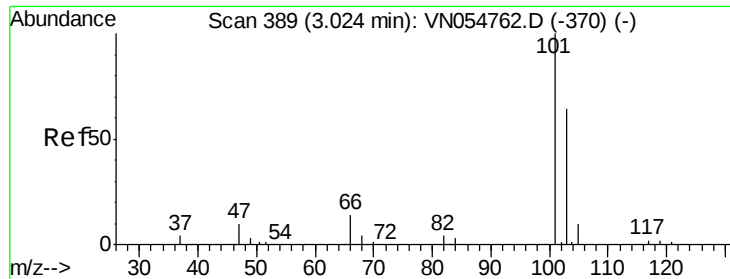
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

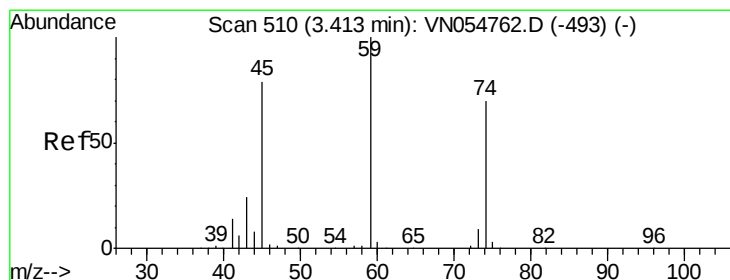
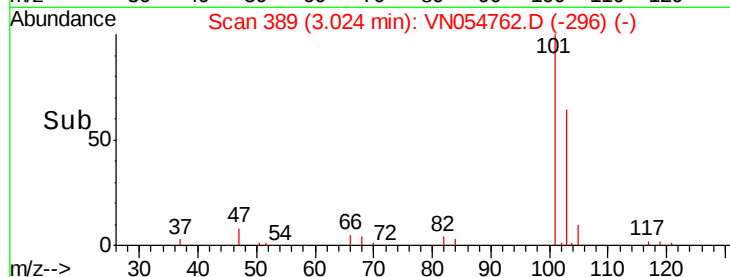
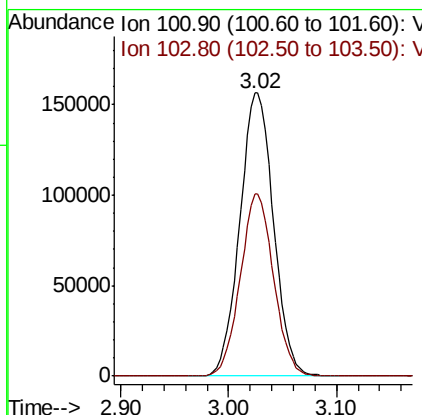
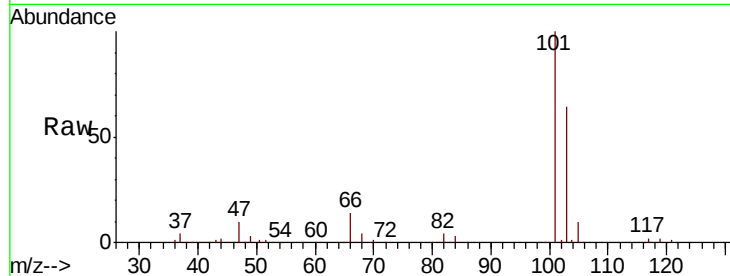
Trichlorofluoromethane
 Concen: 48.058 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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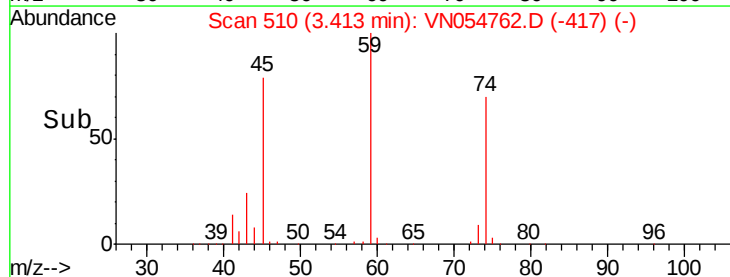
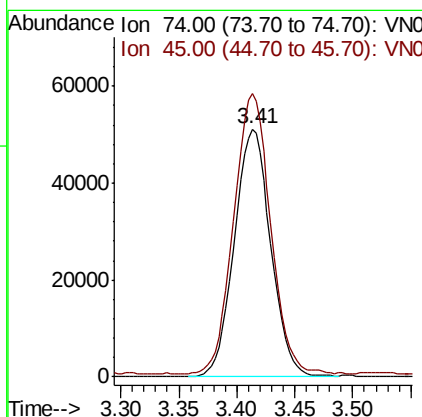
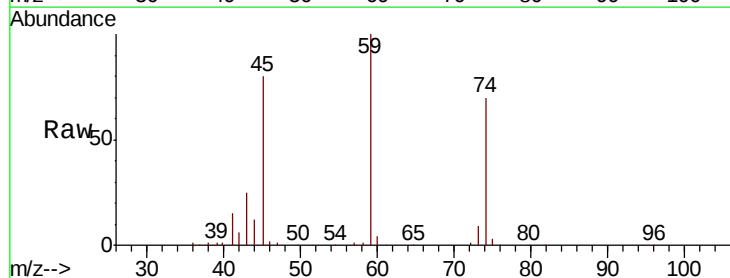
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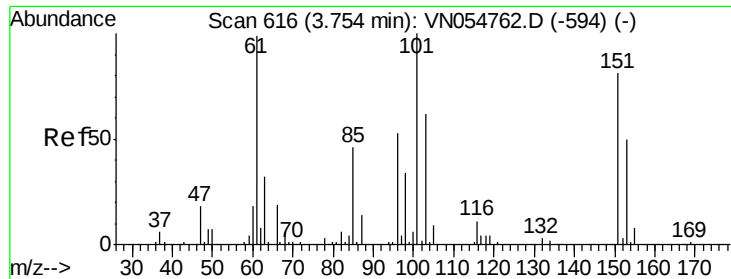


#8

Diethyl Ether
 Concen: 48.857 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.0	43.1	129.4





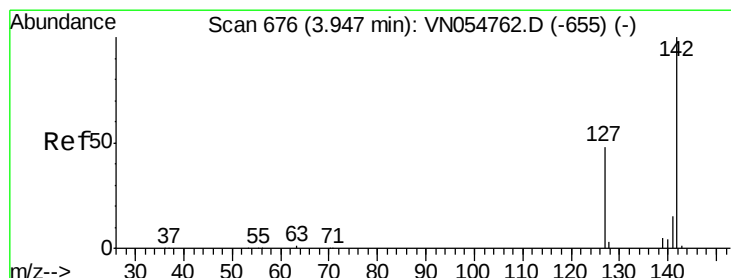
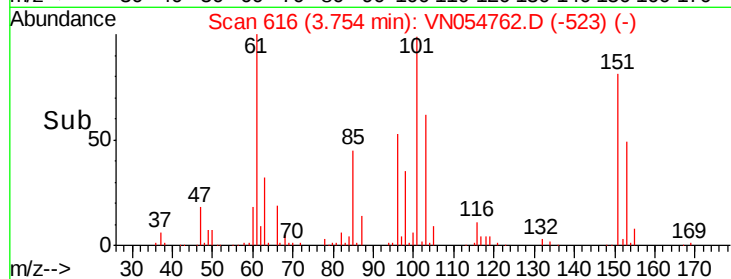
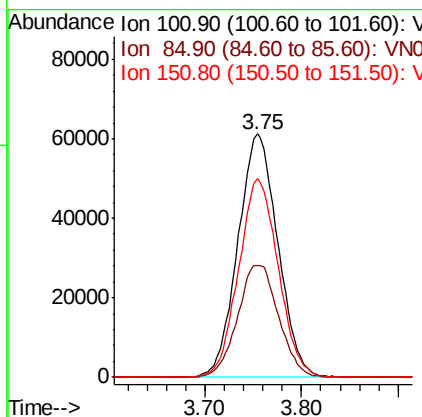
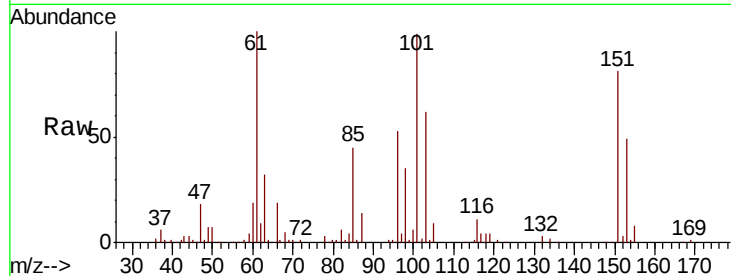
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.102 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	175385		
85	47.5	32.4	48.6	
151	80.9	68.2	102.2	

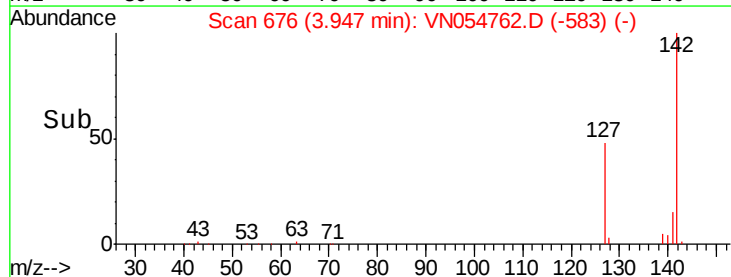
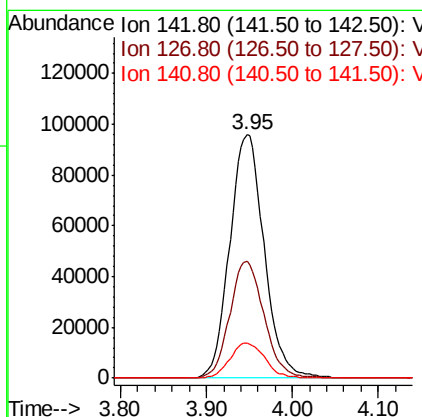
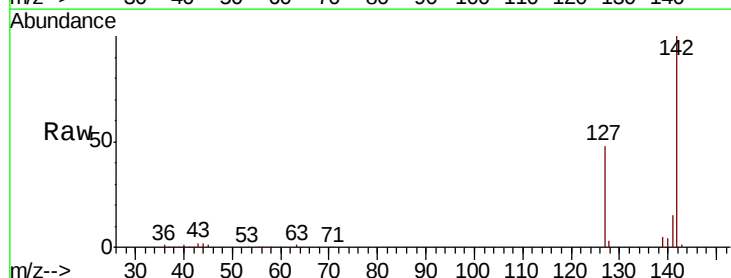
Manual Integrations
 APPROVED

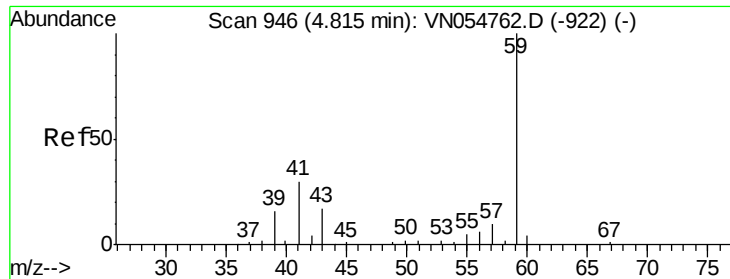
MMDadoda
 4/1/2019 4:00:08 PM



#10
 Methyl Iodide
 Concen: 52.259 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	266687		
127	47.9	30.3	45.5#	
141	14.7	11.2	16.8	





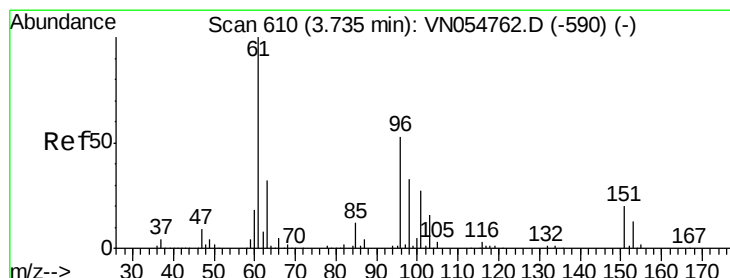
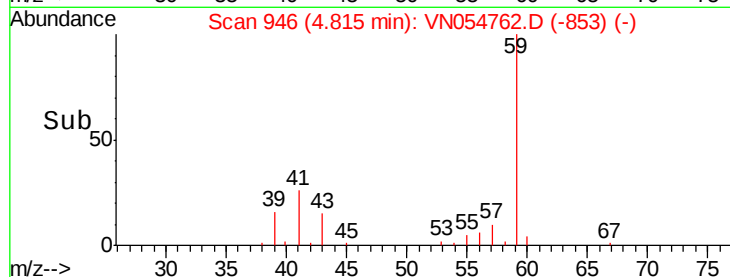
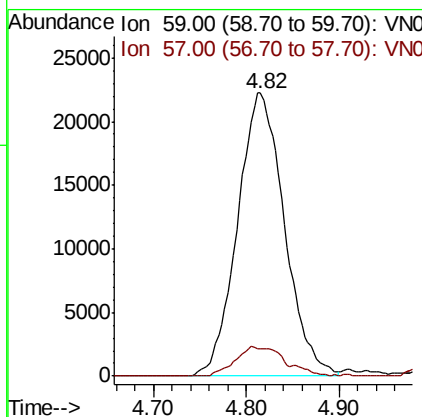
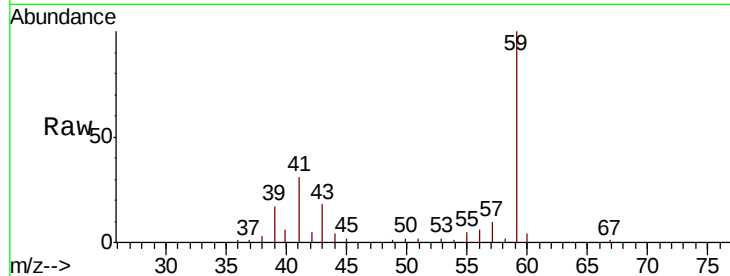
#11
Tert butyl alcohol
Concen: 240.391 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 78204
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

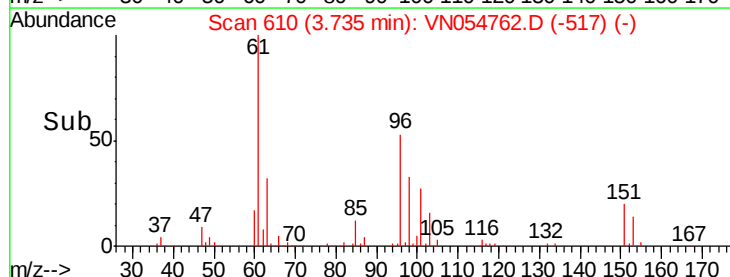
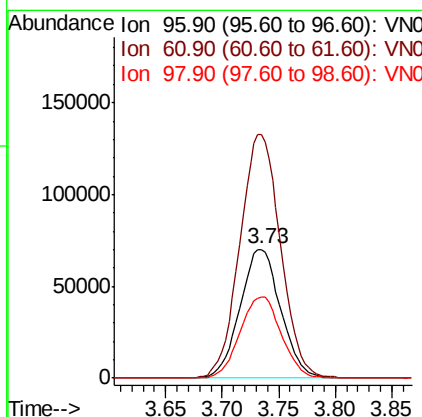
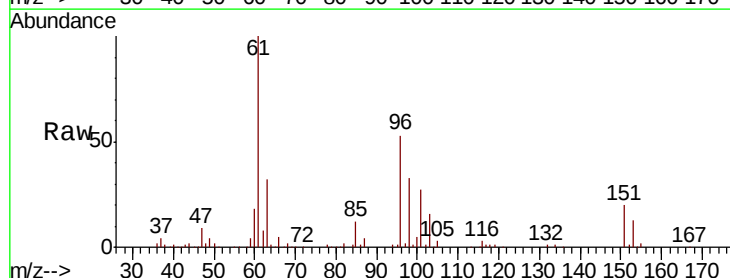
Manual Integrations
APPROVED

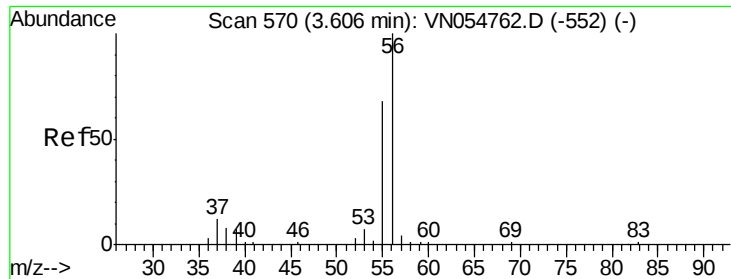
MMDadoda
4/1/2019 4:00:08 PM



#12
1,1-Dichloroethene
Concen: 48.501 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 96 Resp: 174840
Ion Ratio Lower Upper
96 100
61 188.8 116.5 174.7#
98 62.8 51.0 76.4





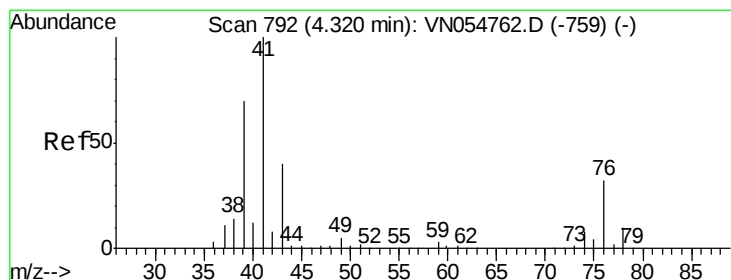
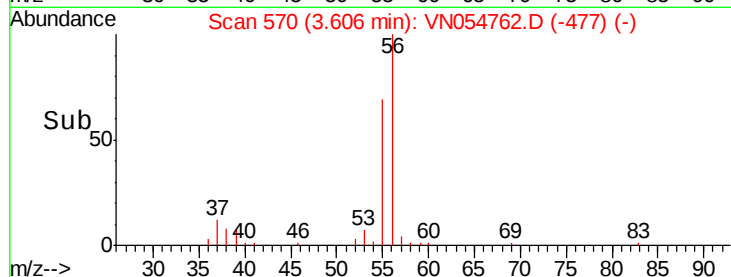
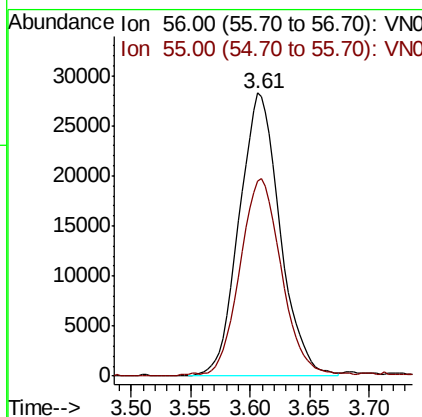
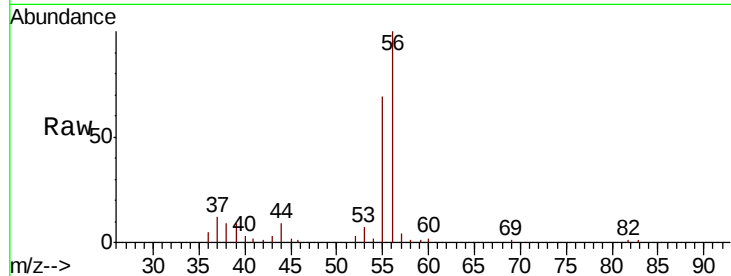
#13
Acrolein
Concen: 233.668 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 67284
Ion Ratio Lower Upper
56 100
55 71.3 56.7 85.1

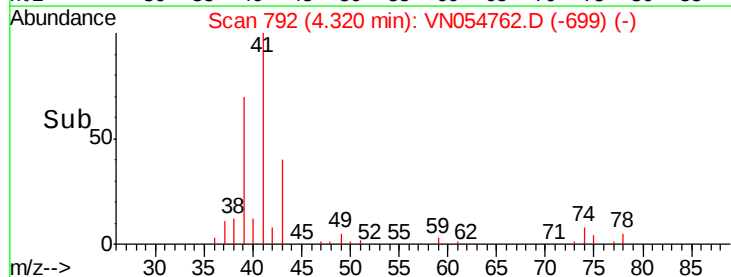
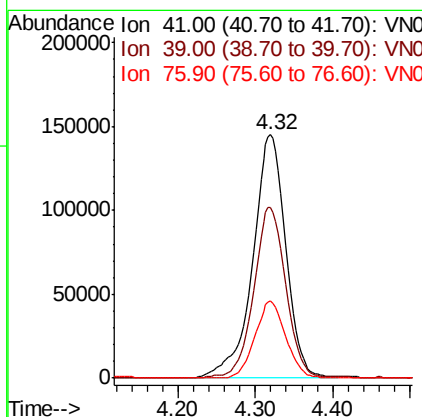
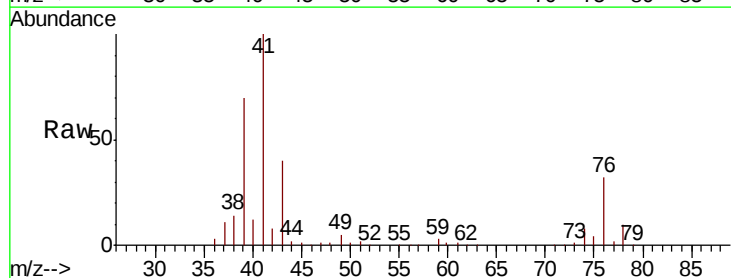
Manual Integrations
APPROVED

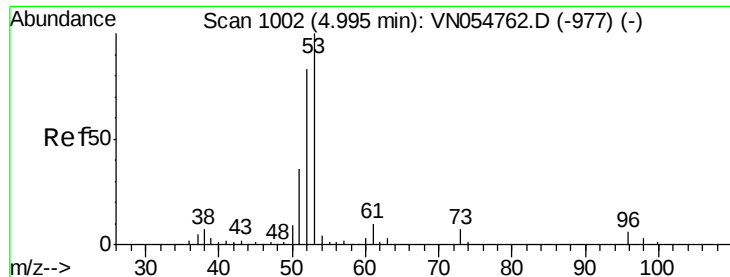
MMDadoda
4/1/2019 4:00:08 PM



#14
Allyl chloride
Concen: 48.865 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 41 Resp: 429841
Ion Ratio Lower Upper
41 100
39 67.6 58.2 87.4
76 29.6 31.7 47.5#





#15

Acrylonitrile

Concen: 246.577 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

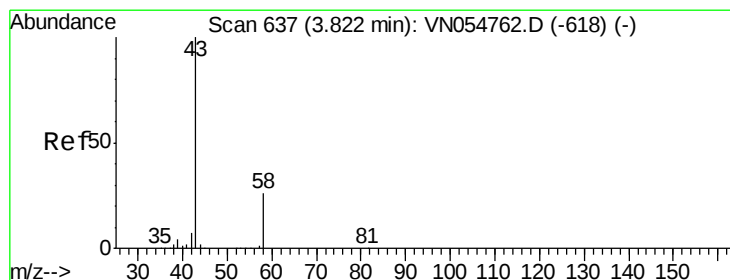
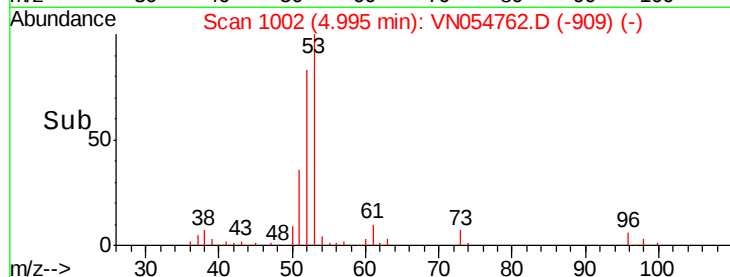
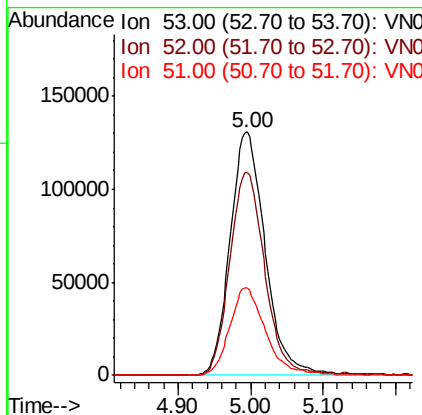
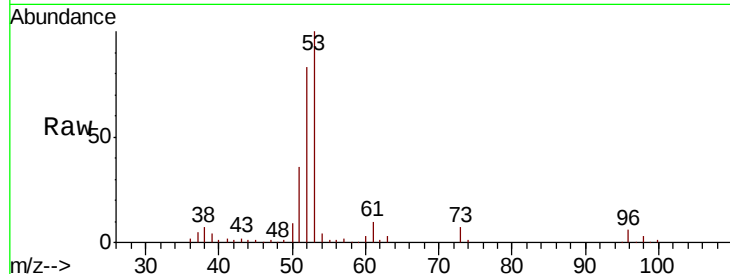
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	441447
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.6	44.4

Manual Integrations
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MMDadoda
4/1/2019 4:00:08 PM



#16

Acetone

Concen: 241.666 ug/l

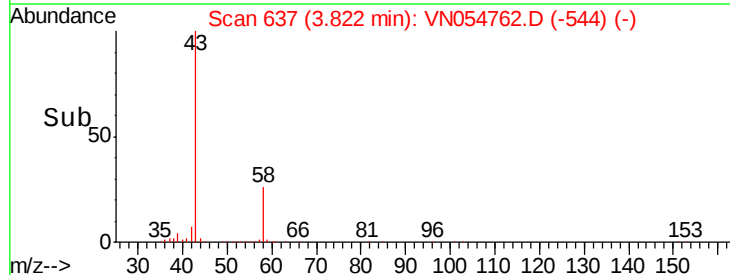
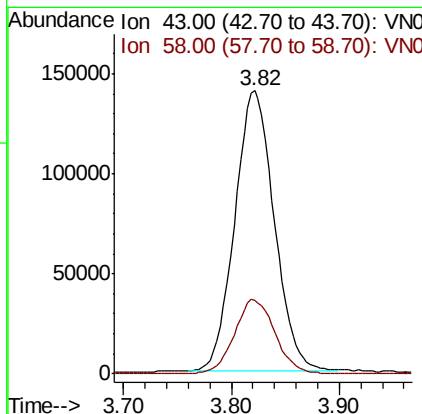
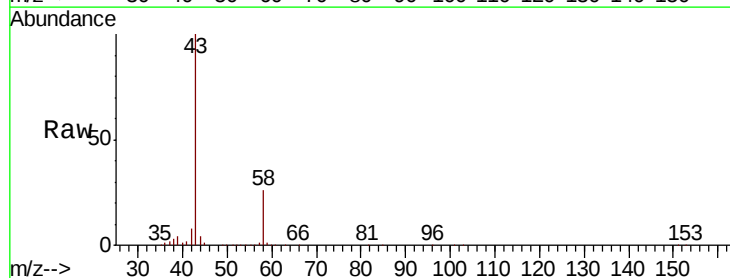
RT: 3.82 min Scan# 637

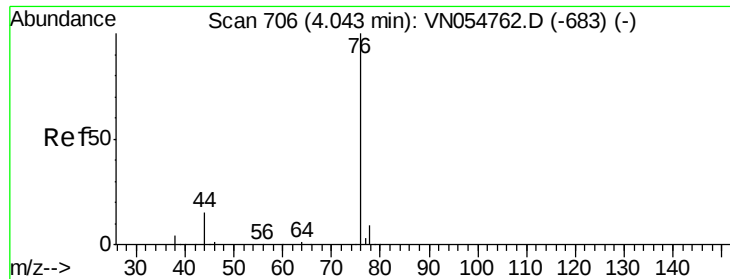
Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion:	43	Resp:	356263
Ion	Ratio	Lower	Upper
43	100		
58	26.2	29.9	44.9#





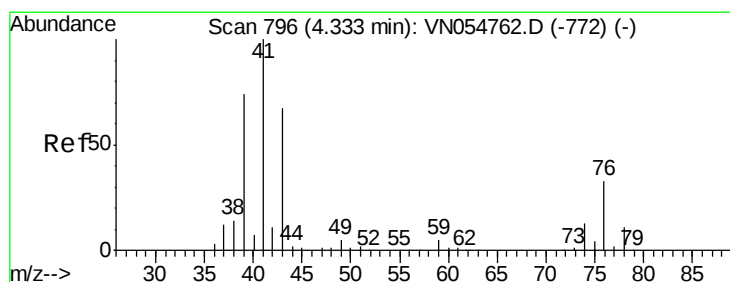
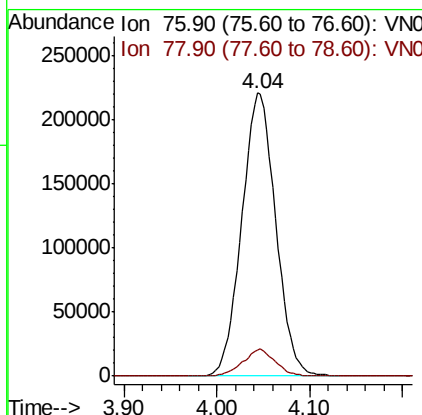
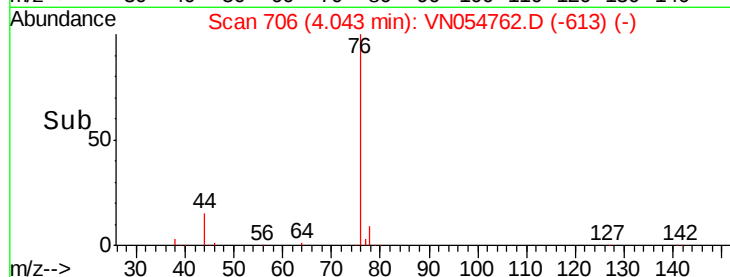
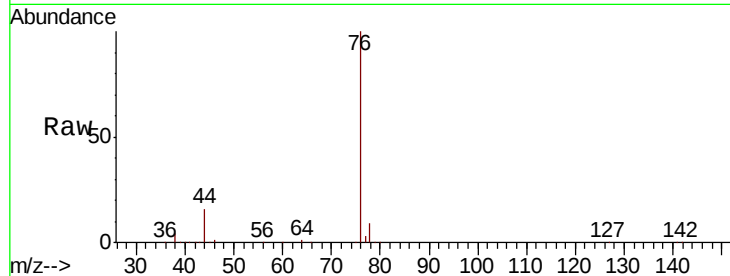
#17
Carbon Disulfide
Concen: 47.987 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

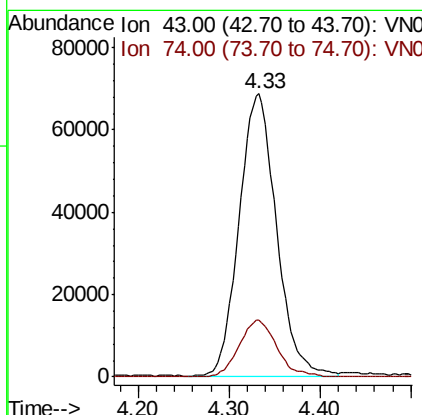
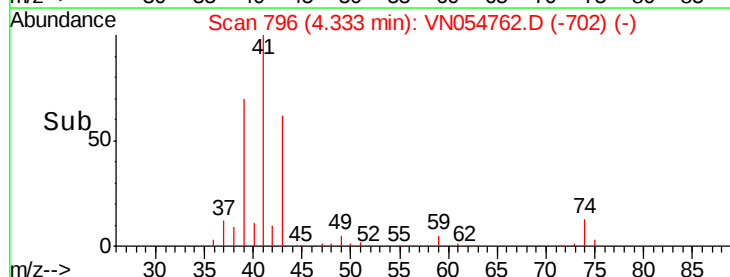
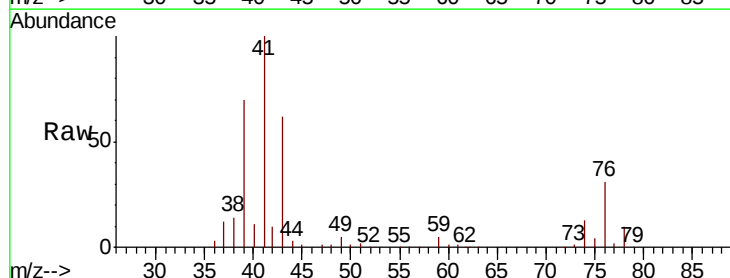
Manual Integrations
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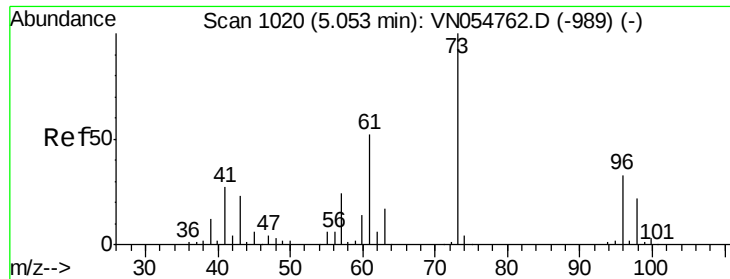
MMDadoda
4/1/2019 4:00:08 PM



#18
Methyl Acetate
Concen: 45.685 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	20.8	31.2#





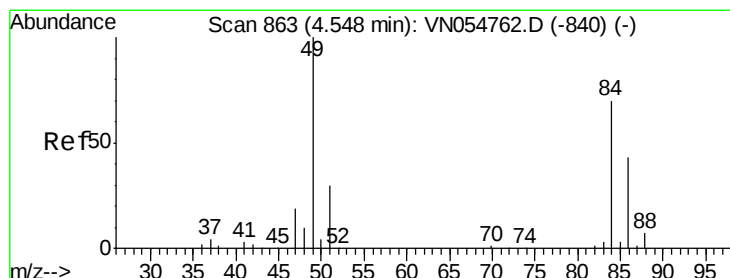
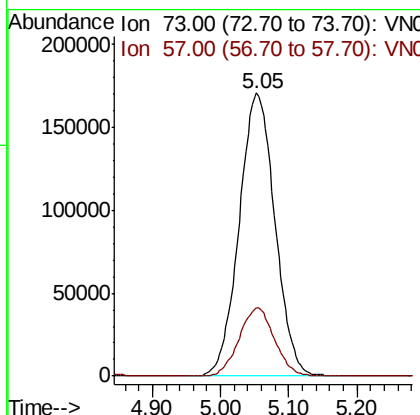
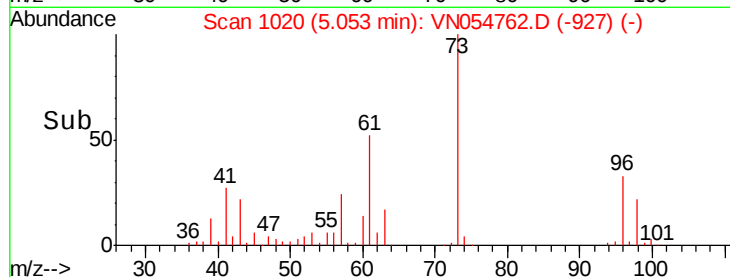
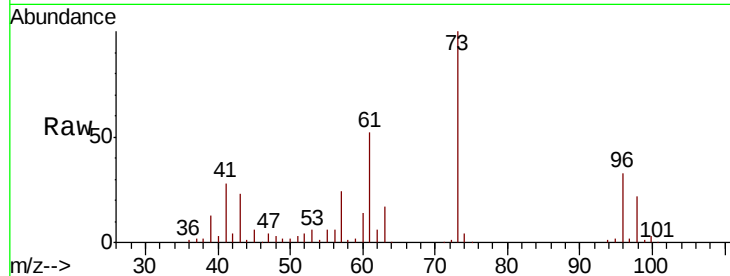
#19
Methvl tert-butvl Ether
Concen: 49.309 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 621770
Ion Ratio Lower Upper
73 100
57 24.3 16.8 25.2

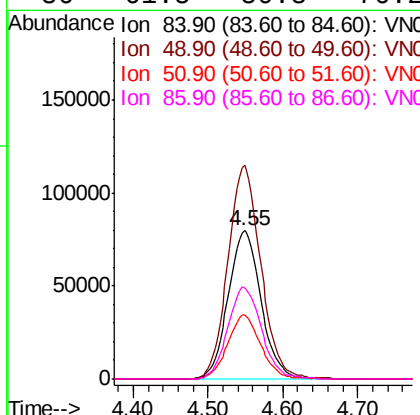
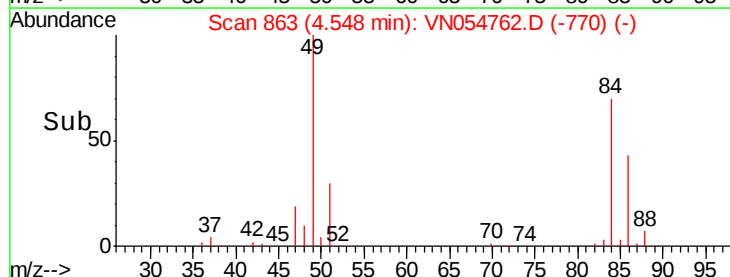
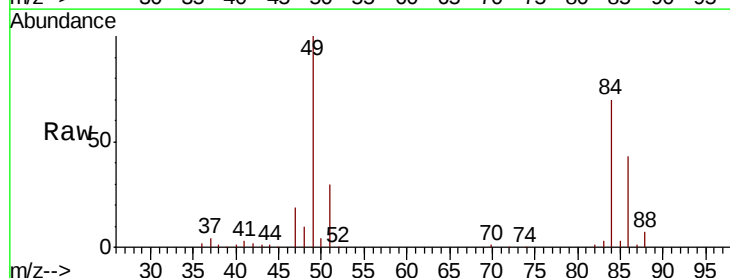
Manual Integrations
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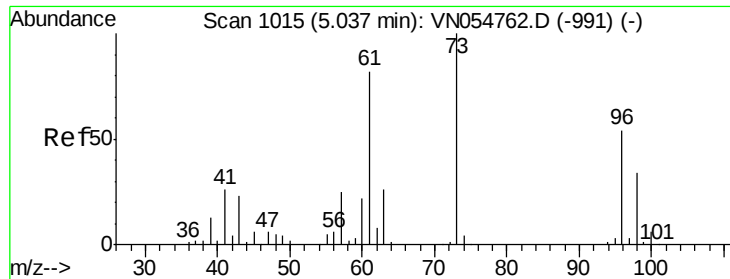
MMDadoda
4/1/2019 4:00:08 PM



#20
Methylene Chloride
Concen: 46.873 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 84 Resp: 243742
Ion Ratio Lower Upper
84 100
49 143.9 89.7 134.5#
51 43.3 28.2 42.4#
86 61.5 50.8 76.2





#21

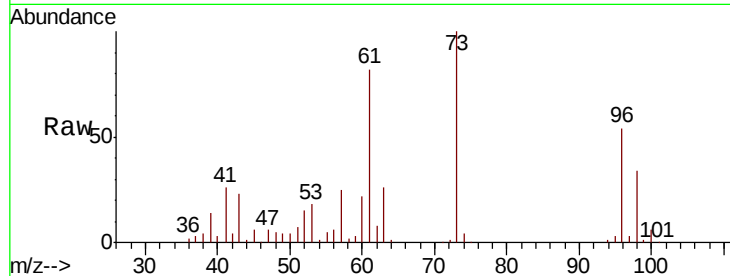
trans-1,2-Dichloroethene
Concen: 48.294 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.9	102.8	154.2
98	62.1	50.0	75.0

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4/1/2019 4:00:08 PM

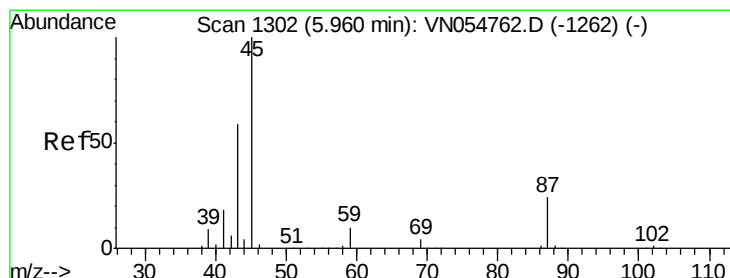
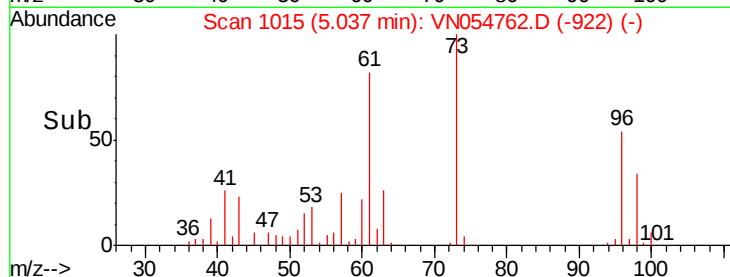
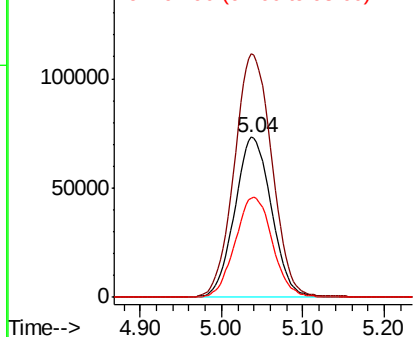


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 49.898 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.2	72.2
87	23.4	24.9	37.3
59	10.3	9.5	14.3

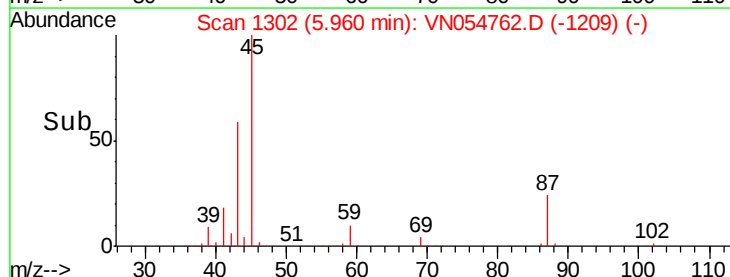
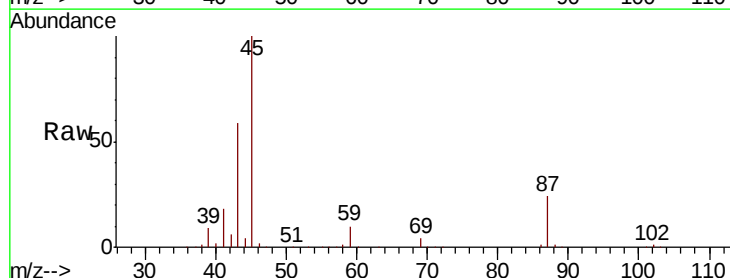
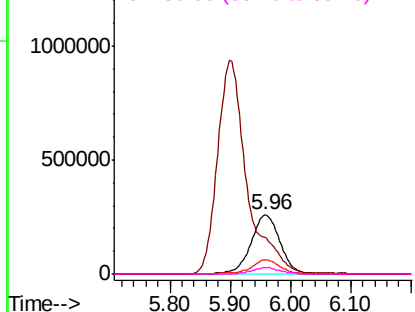
Abundance

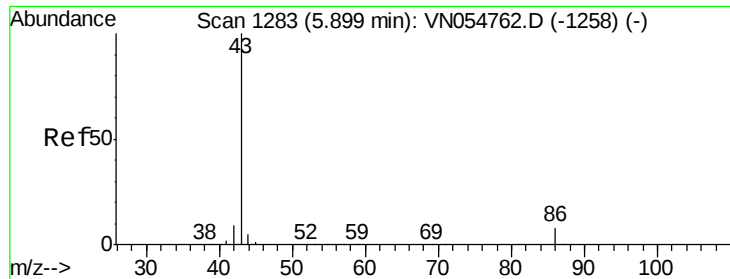
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.651 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleID :

VSTDICCC050

Tot Ion: 43 Resp: 3170200

Ion Ratio Lower Upper

43 100

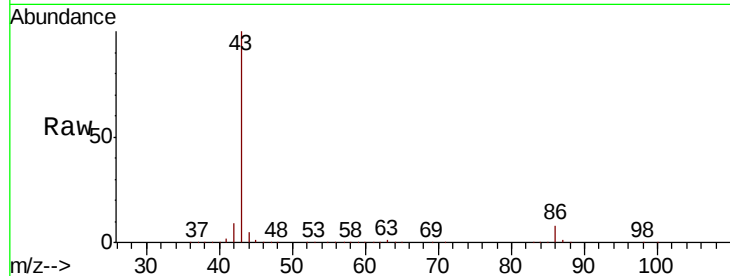
86 8.5 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1000000

800000

600000

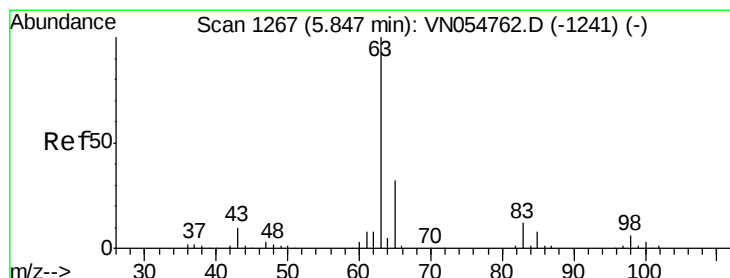
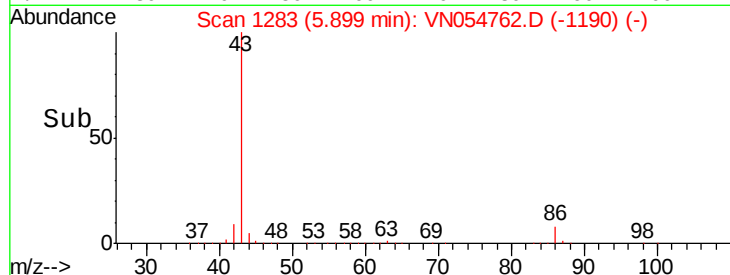
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.336 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

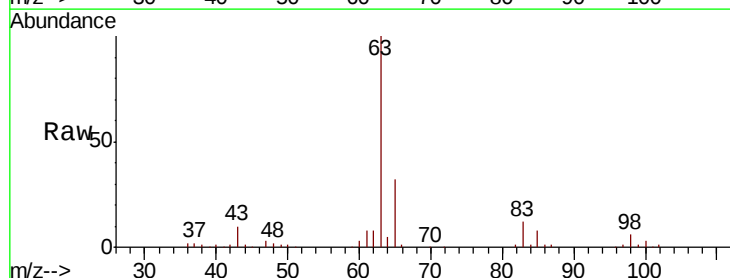
Tgt Ion: 63 Resp: 462185

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 3.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

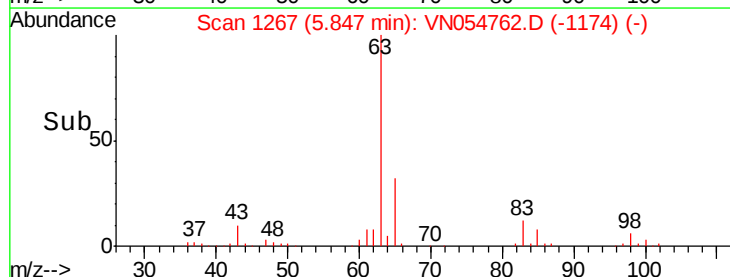
100000

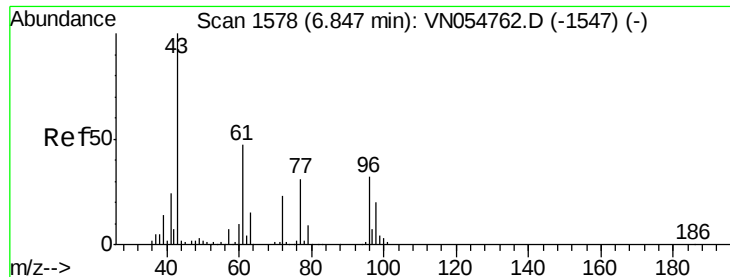
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 259.609 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 565725

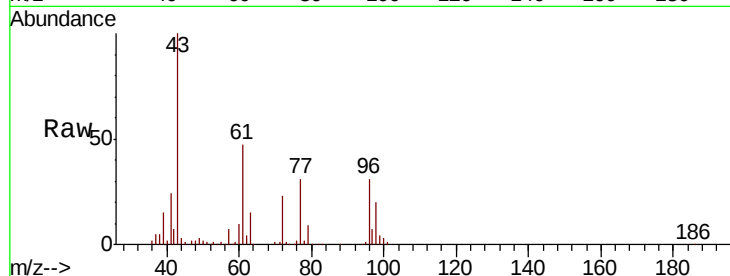
Ion Ratio Lower Upper

43 100

72 23.1 23.0 34.6

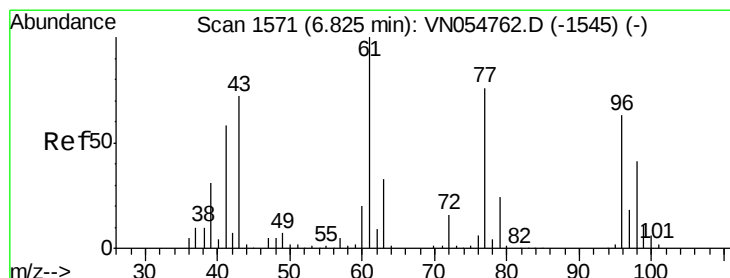
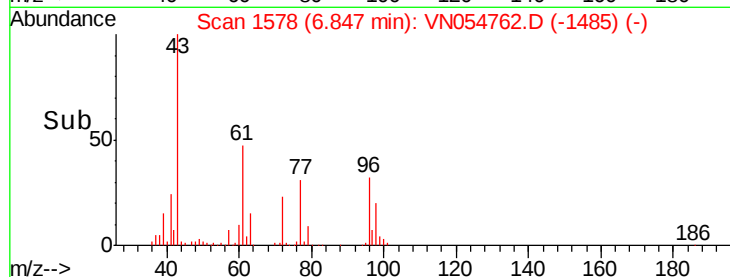
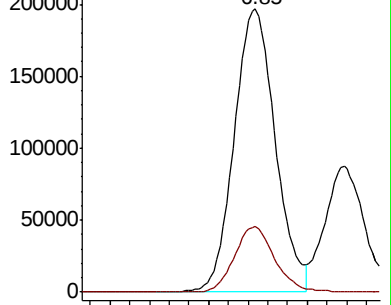
Manual Integrations
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MMDadoda
4/1/2019 4:00:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.677 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054762.D

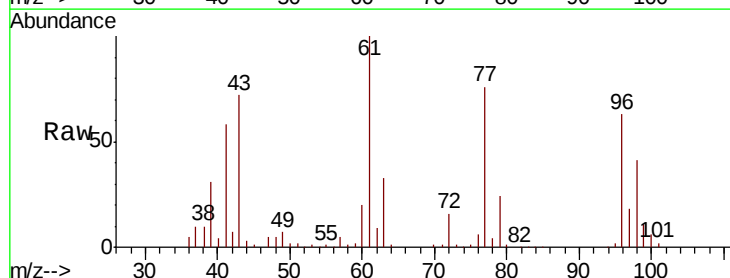
Acq: 29 Mar 2019 11:19

Tgt Ion: 77 Resp: 326176

Ion Ratio Lower Upper

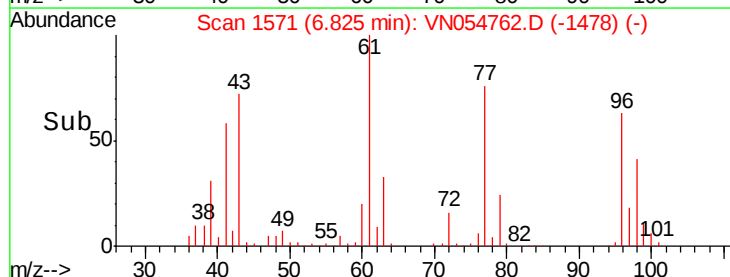
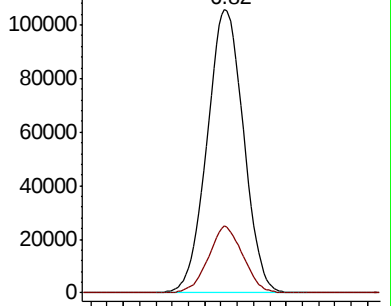
77 100

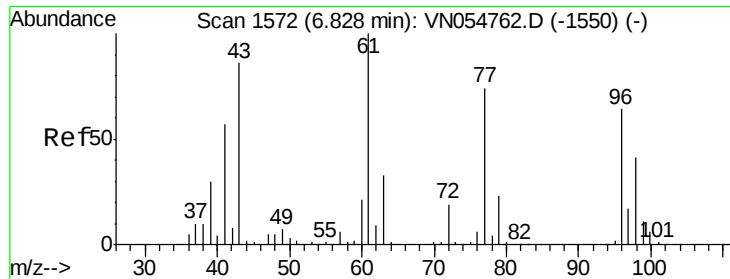
97 22.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 48.977 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 261973

Ion Ratio Lower Upper

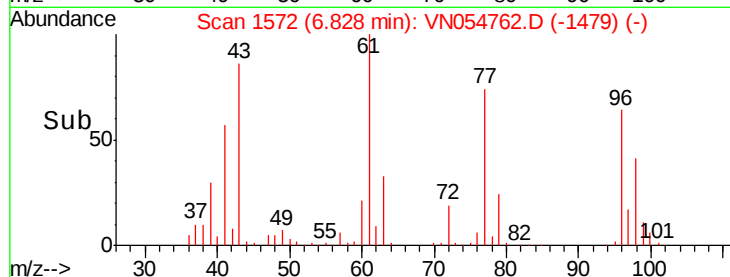
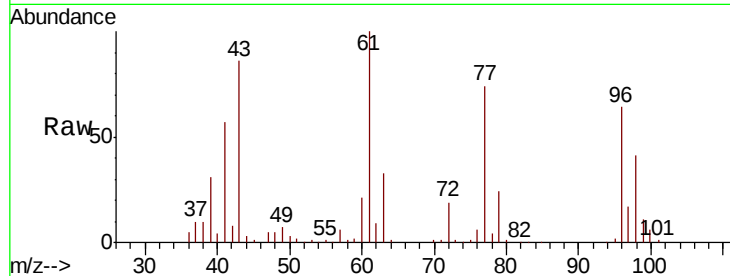
96 100

61 158.7 0.0 273.0

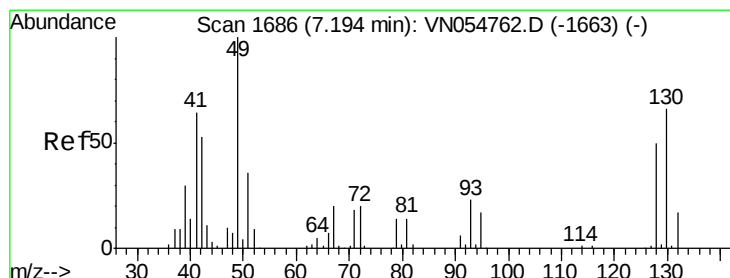
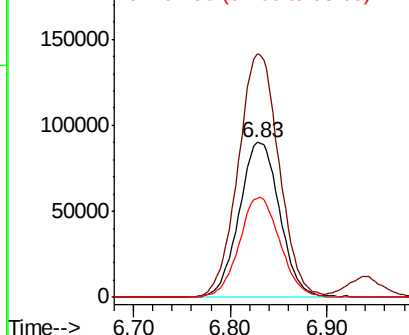
98 65.3 0.0 130.6

Manual Integrations
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4/1/2019 4:00:08 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.660 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

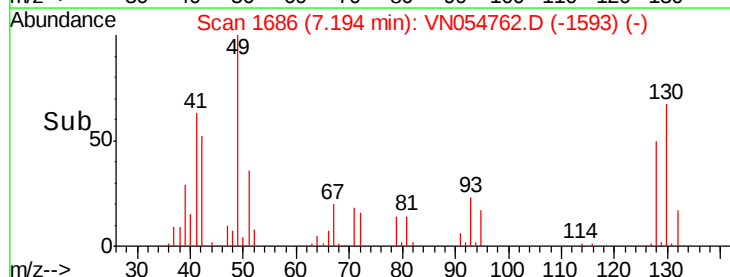
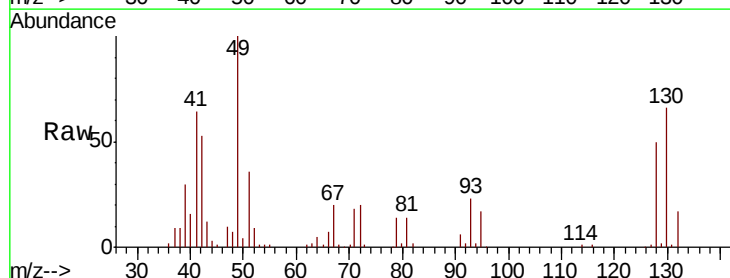
Tgt Ion: 49 Resp: 232624

Ion Ratio Lower Upper

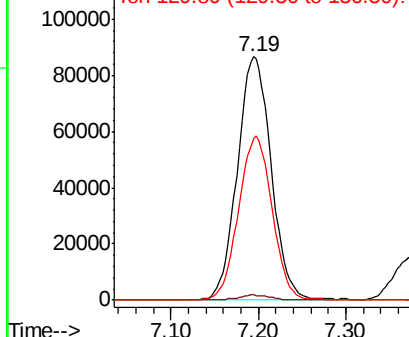
49 100

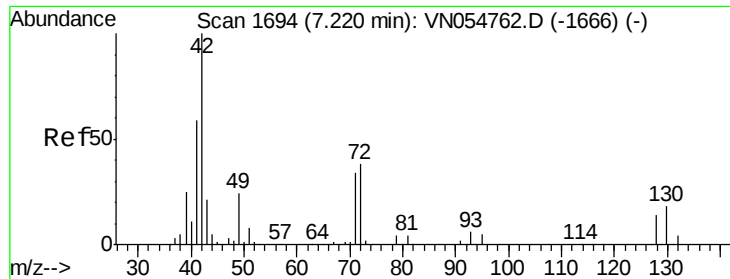
129 2.0 0.0 4.6

130 66.5 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





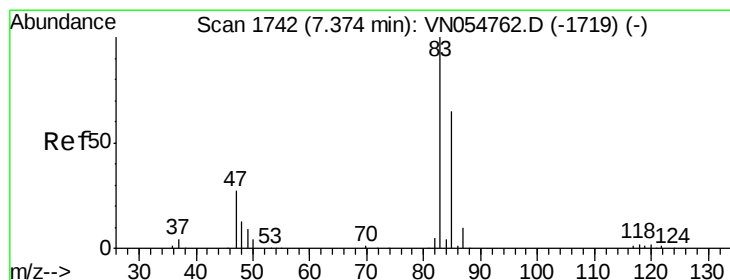
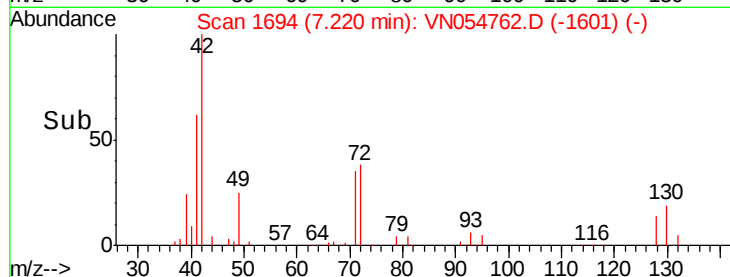
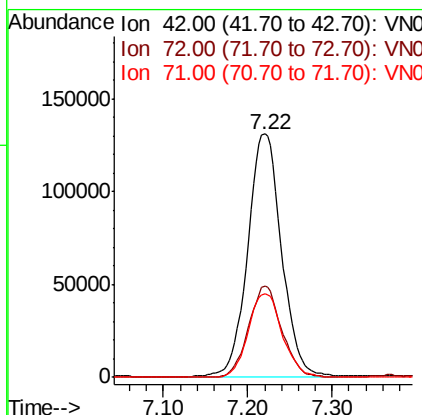
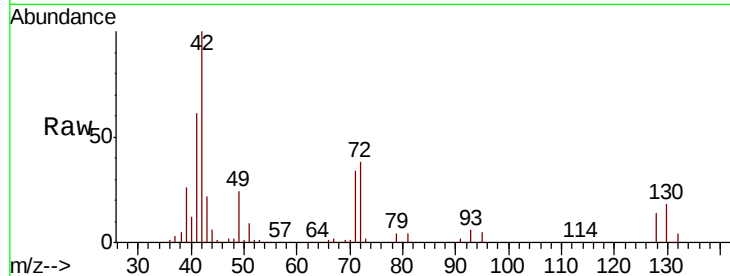
#29
Tetrahydrofuran
Concen: 240.749 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	37.8	56.6#
71	34.8	36.2	54.2#

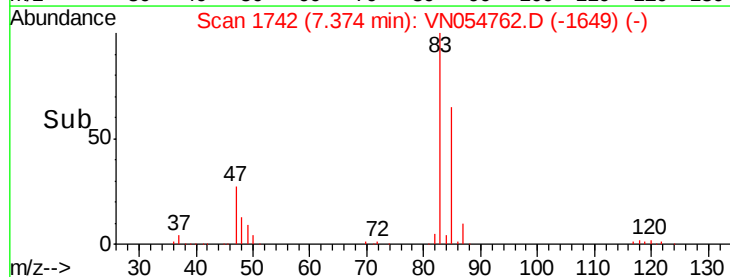
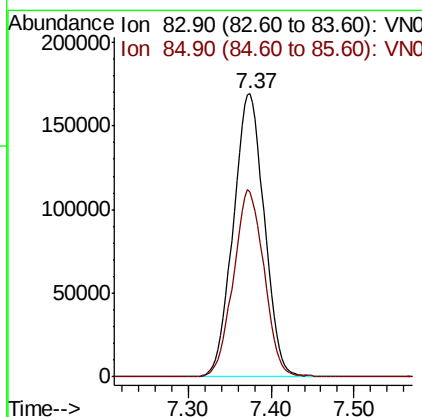
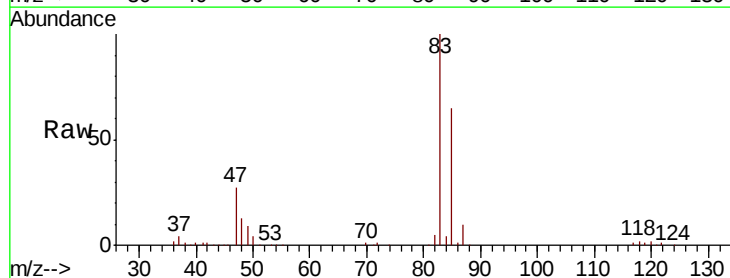
Manual Integrations
APPROVED

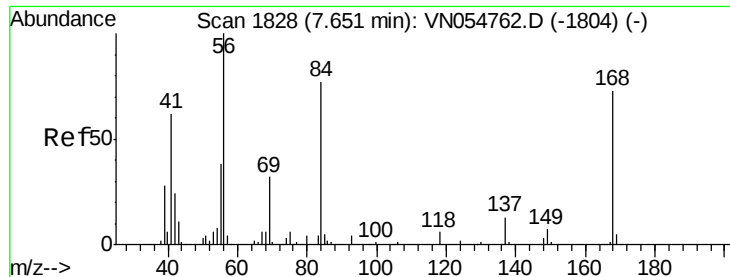
MMDadoda
4/1/2019 4:00:08 PM



#30
Chloroform
Concen: 49.361 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





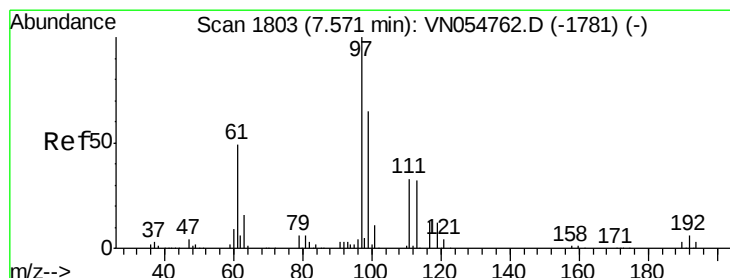
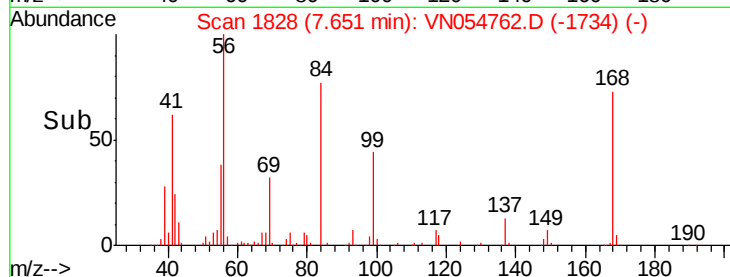
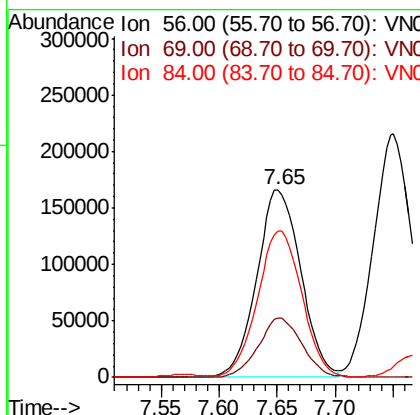
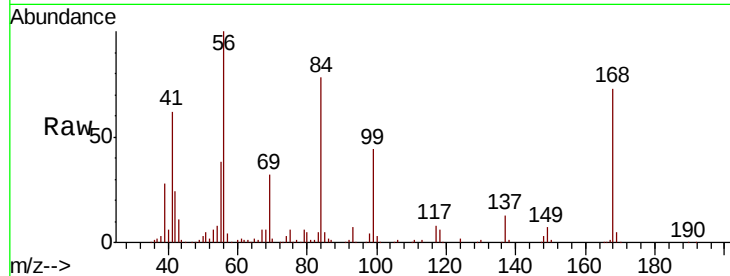
#31
Cyclohexane
Concen: 40.728 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.8	41.6
84	76.9	74.6	111.8

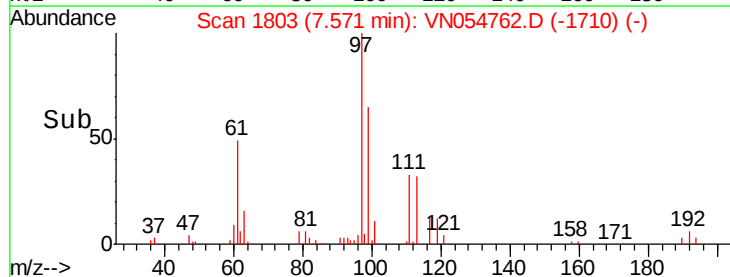
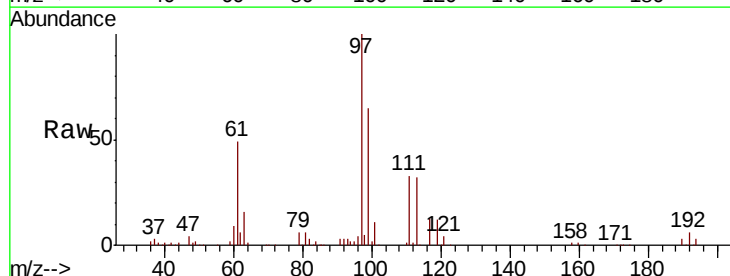
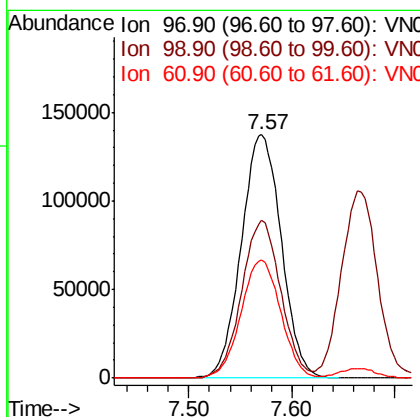
Manual Integrations
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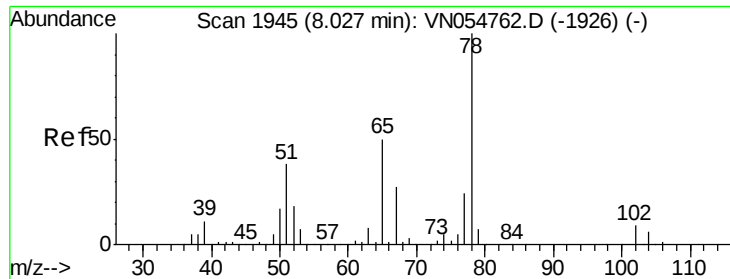
MMDadoda
4/1/2019 4:00:08 PM



#32
1,1,1-Trichloroethane
Concen: 50.056 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	48.3	33.6	50.4





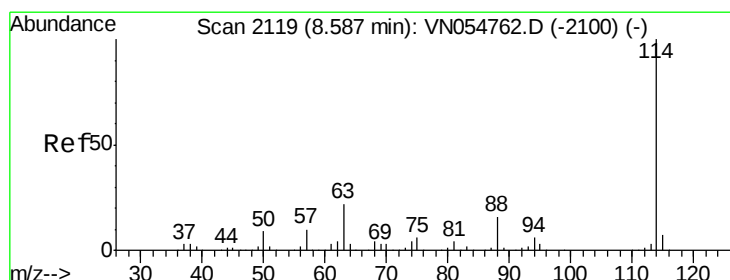
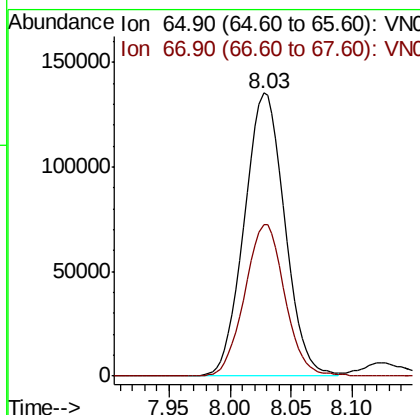
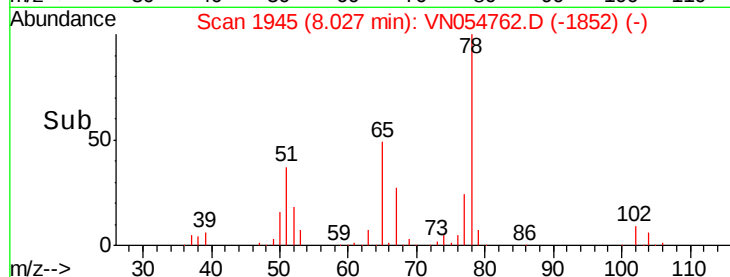
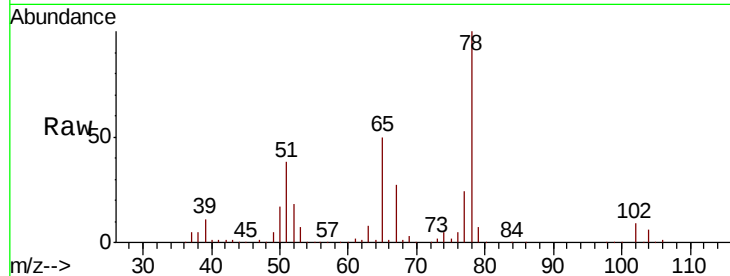
#33
 1,2-Dichloroethane-d4
 Concen: 50.218 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	104.6	

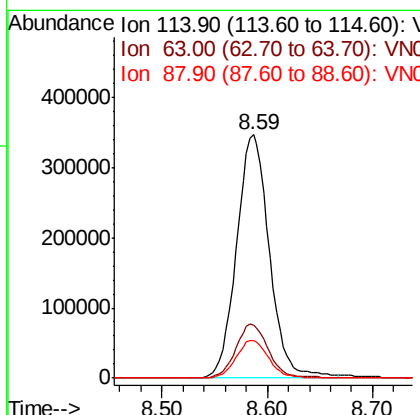
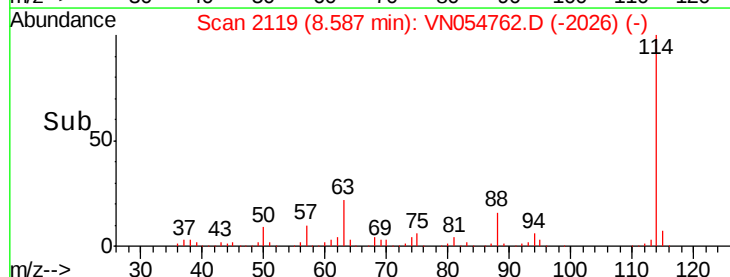
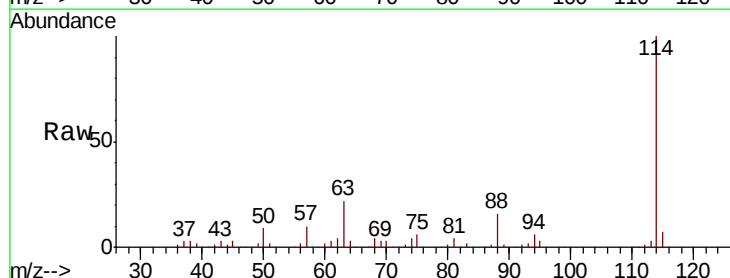
Manual Integrations
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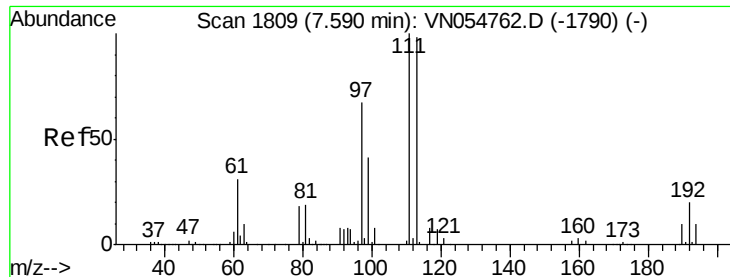
MMDadoda
 4/1/2019 4:00:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	35.2	
88	15.6	0.0	30.2	





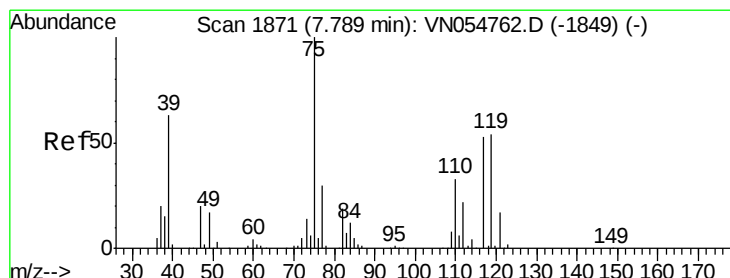
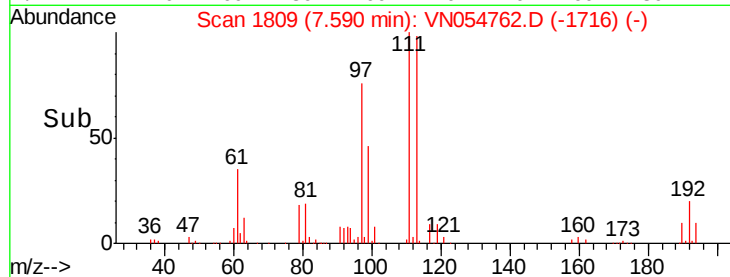
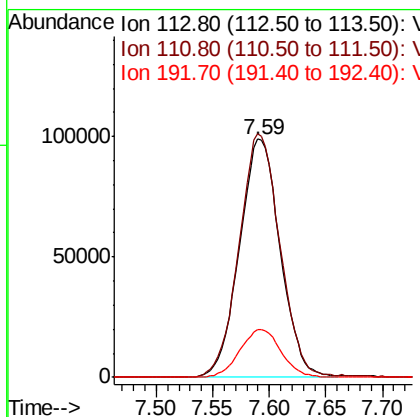
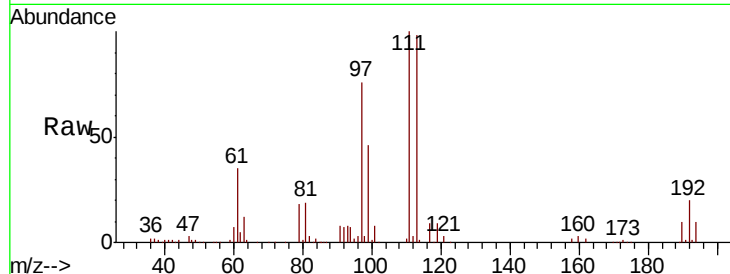
#35
 Dibromofluoromethane
 Concen: 49.630 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	247594		
111	102.5	82.2	123.4	
192	20.3	19.2	28.8	

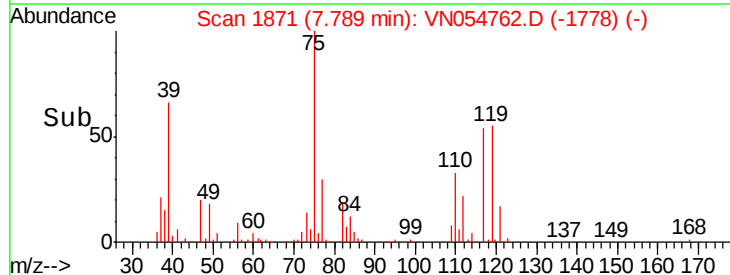
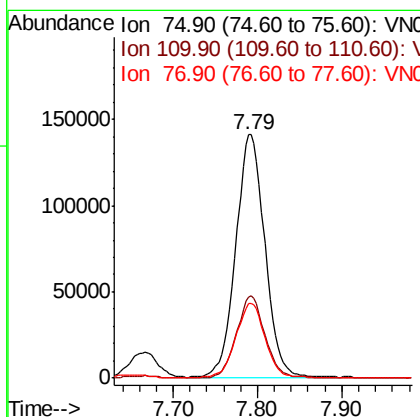
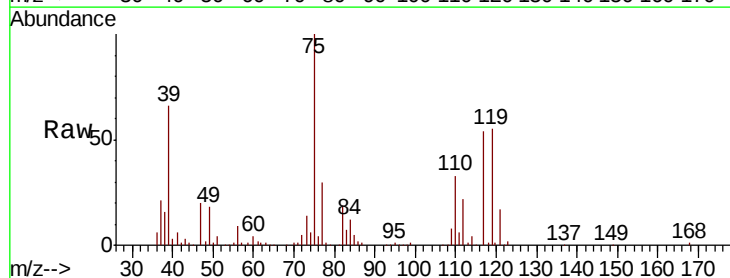
Manual Integrations
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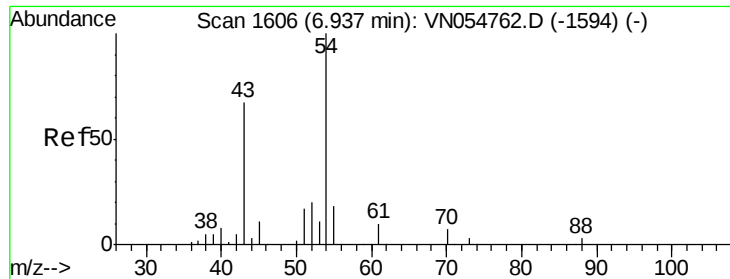
MMDadoda
 4/1/2019 4:00:08 PM



#36
 1,1-Dichloropropene
 Concen: 49.614 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	338882		
110	33.3	19.1	57.5	
77	31.5	25.0	37.4	





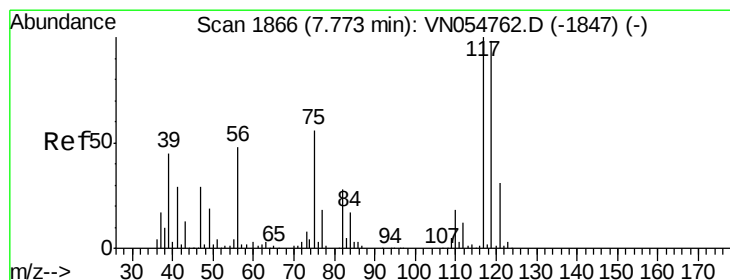
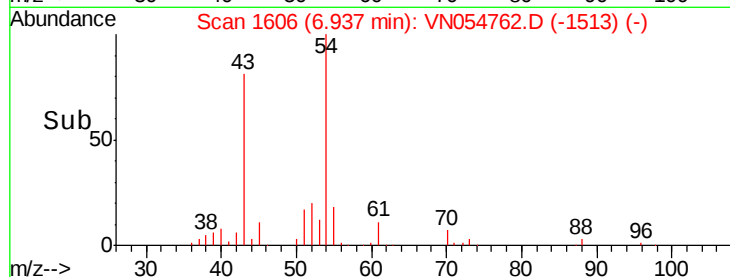
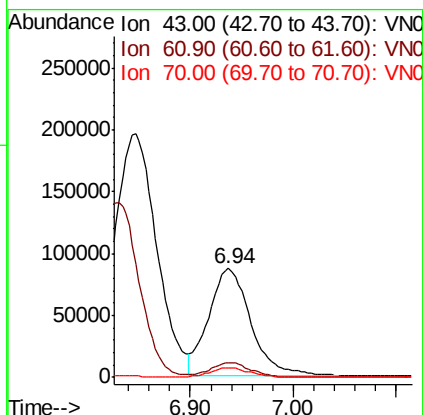
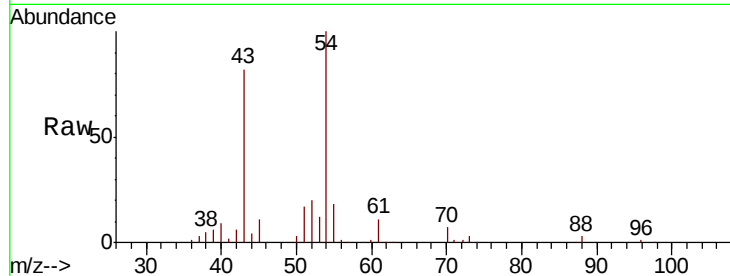
#37
Ethyl Acetate
Concen: 49.022 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	61	70	Resp	245970
Ion Ratio	100	12.9	8.4	Lower	Upper
				11.8	17.6
				8.4	12.6

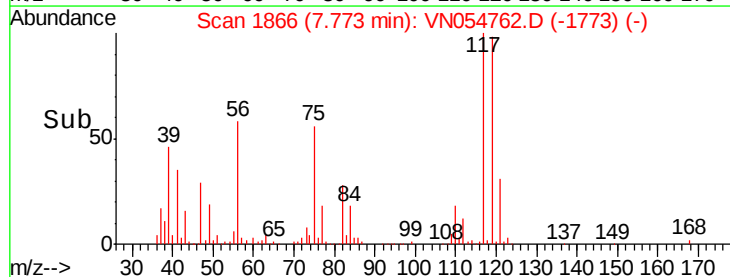
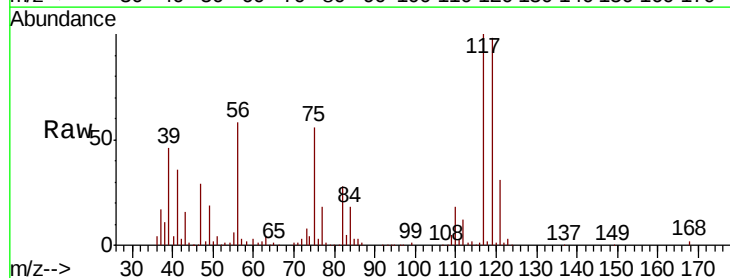
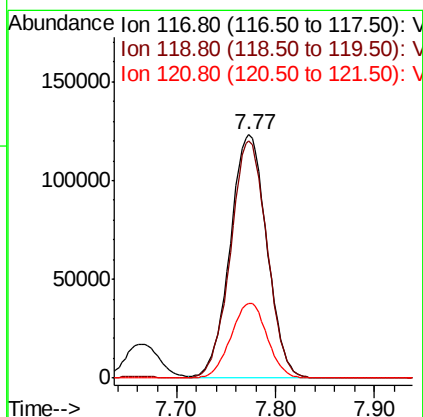
Manual Integrations
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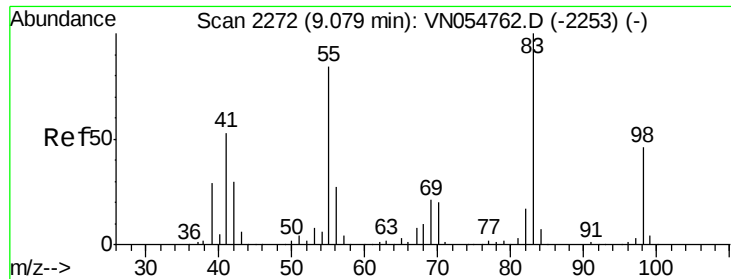
MMDadoda
4/1/2019 4:00:08 PM



#38
Carbon Tetrachloride
Concen: 47.269 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	117	119	121	Resp	320117
Ion Ratio	100	97.5	30.5	Lower	Upper
				76.3	114.5
				24.6	36.8





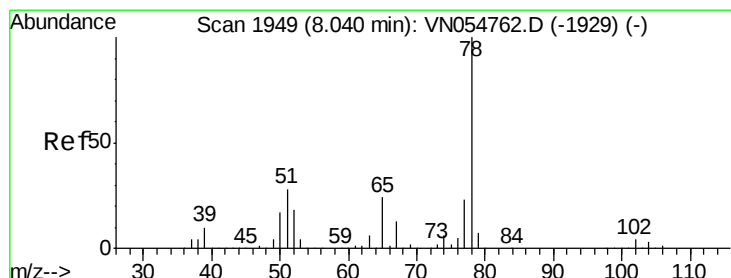
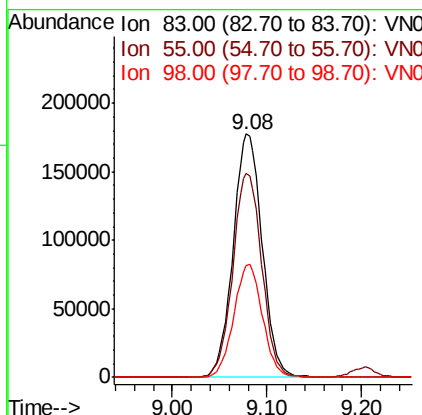
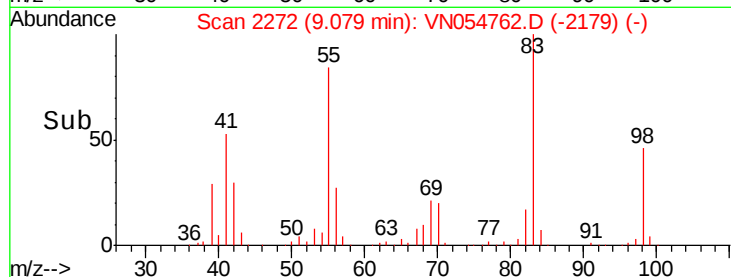
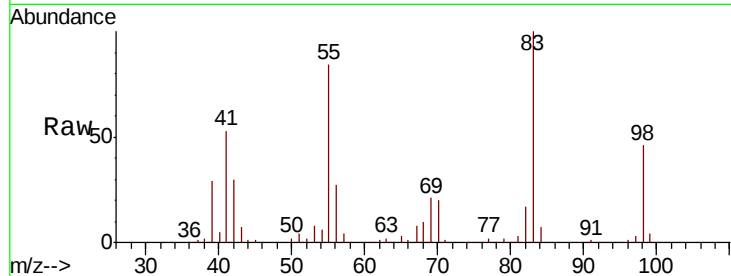
#39
Methvlcvclohexane
Concen: 49.375 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	378493
Ion Ratio	Lower	Upper	
83	100		
55	84.0	56.6	84.8
98	46.0	38.4	57.6

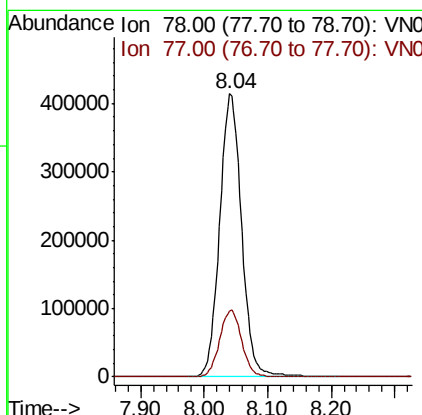
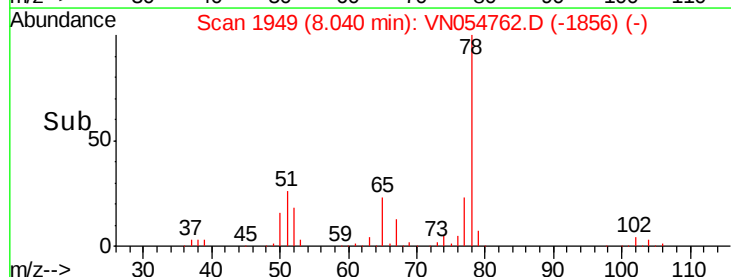
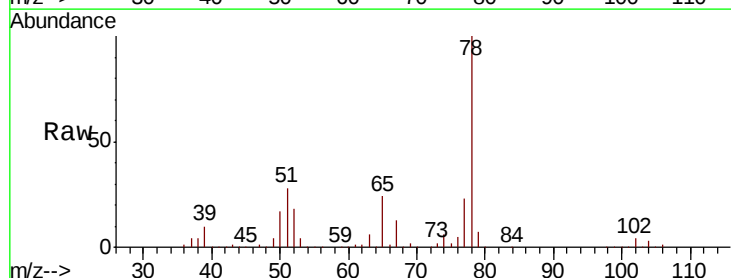
Manual Integrations
APPROVED

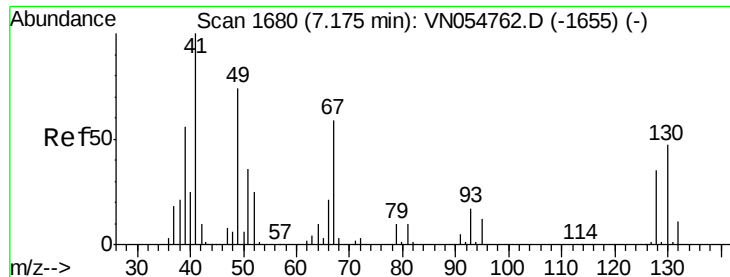
MMDadoda
4/1/2019 4:00:08 PM



#40
Benzene
Concen: 49.664 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	78	Resp	990871
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.1	28.7





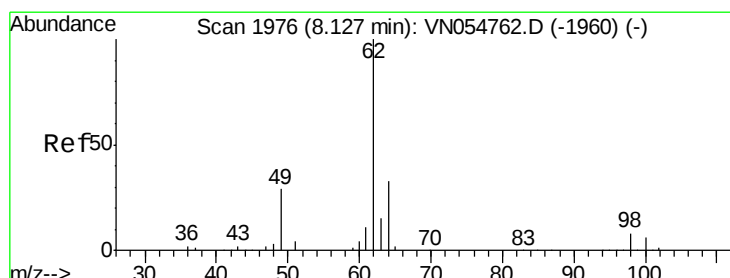
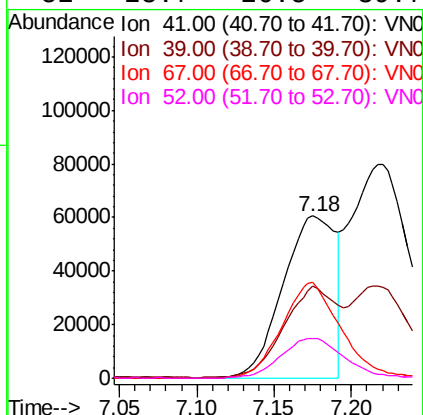
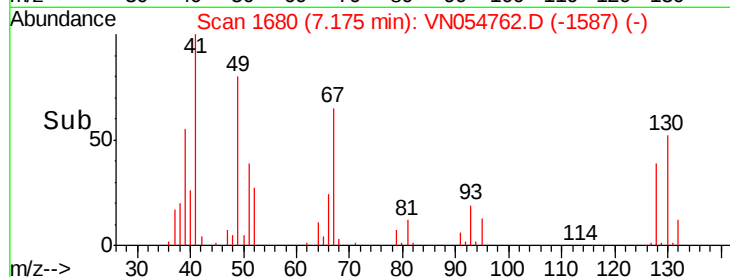
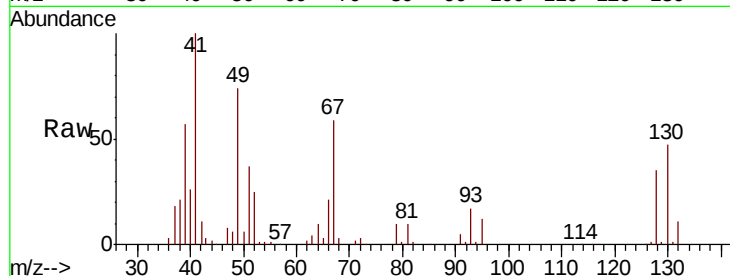
#41
Methacrylonitrile
Concen: 49.973 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	46.8	70.2	
67	66.3	67.0	100.4	
52	28.7	26.5	39.7	

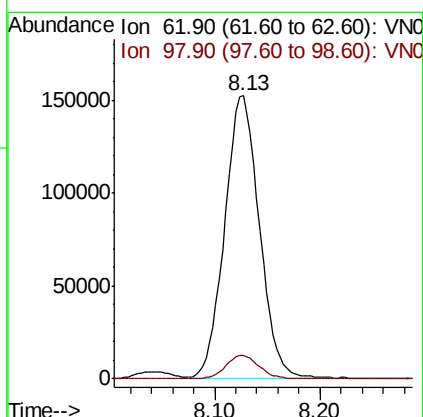
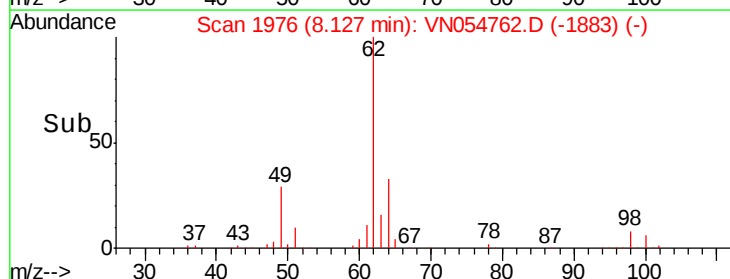
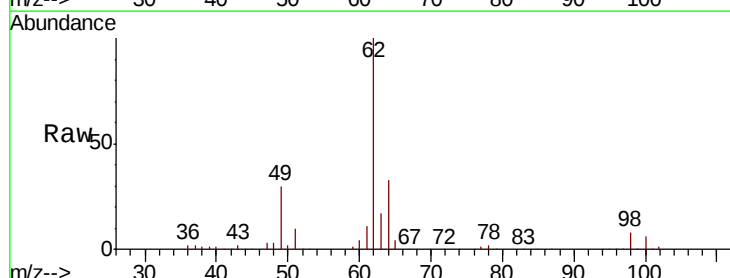
Manual Integrations
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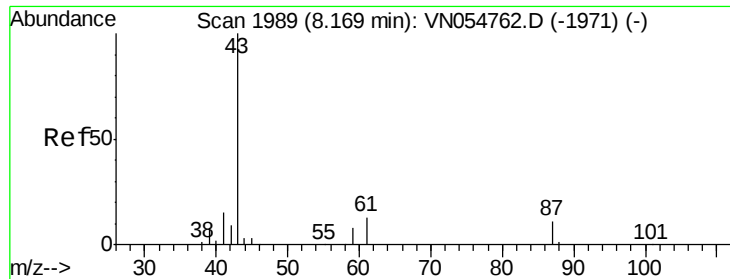
MMDadoda
4/1/2019 4:00:08 PM



#42
1,2-Dichloroethane
Concen: 48.605 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	18.4	





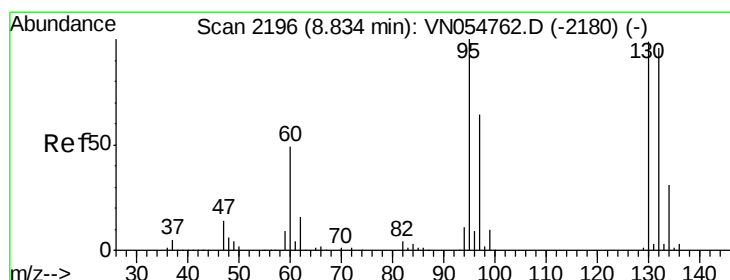
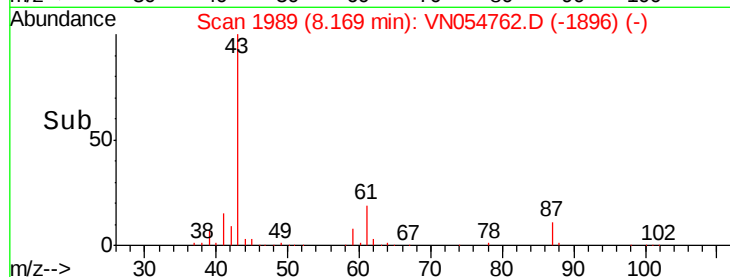
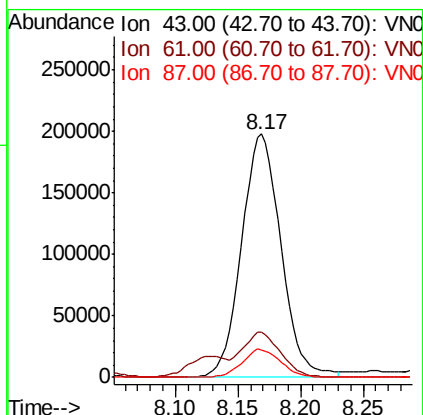
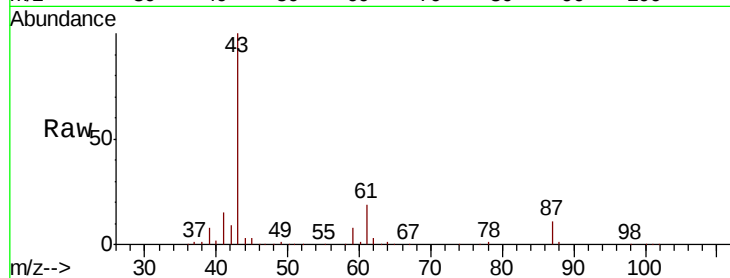
#43
Isopropyl Acetate
Concen: 51.774 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.8
87	11.4	12.0	18.0

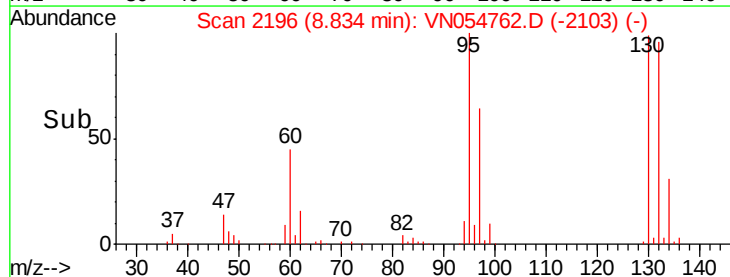
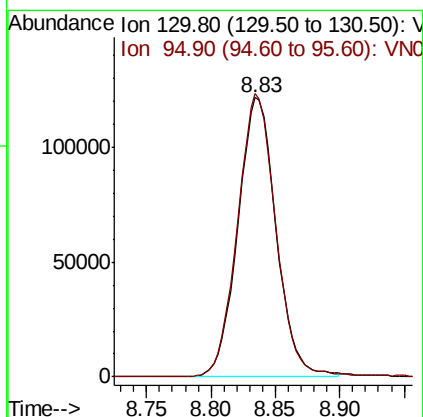
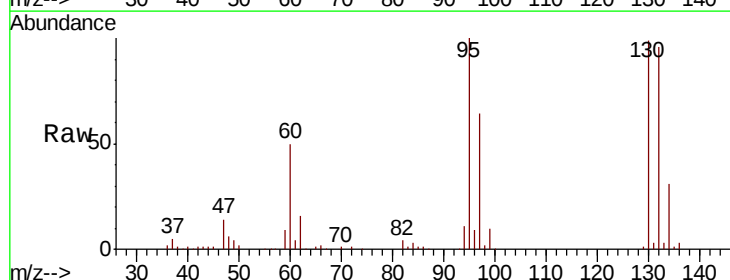
Manual Integrations
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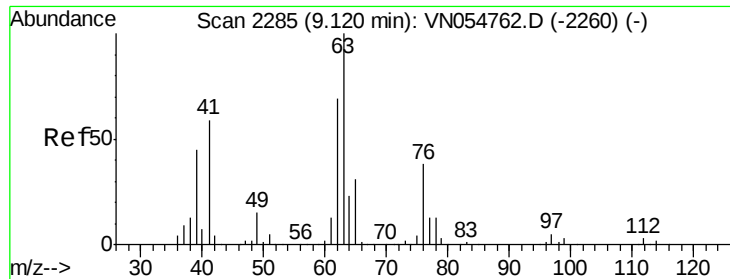
MMDadoda
4/1/2019 4:00:08 PM



#44
Trichloroethene
Concen: 48.569 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 49.108 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 279371

Ion Ratio Lower Upper

63 100

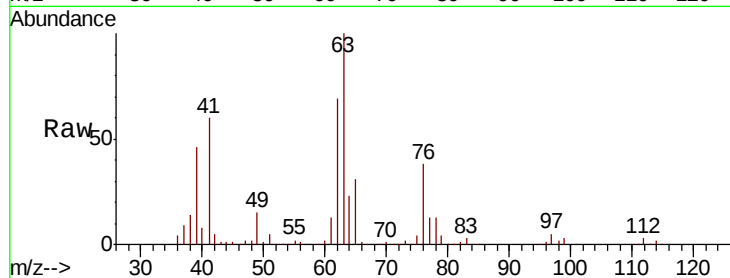
65 31.0 25.0 37.6

Manual Integrations

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4/1/2019 4:00:08 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

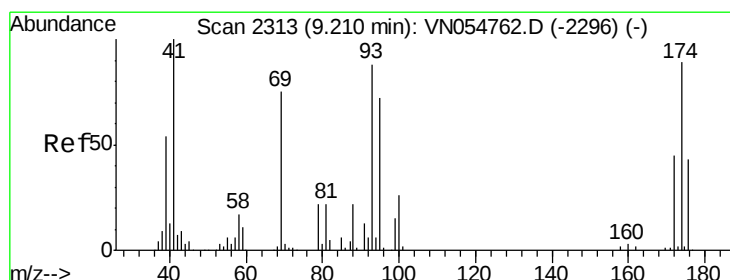
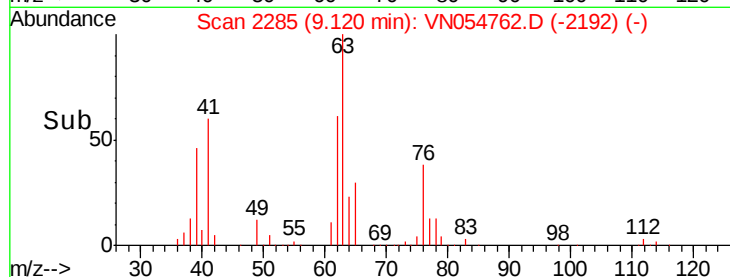
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.676 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

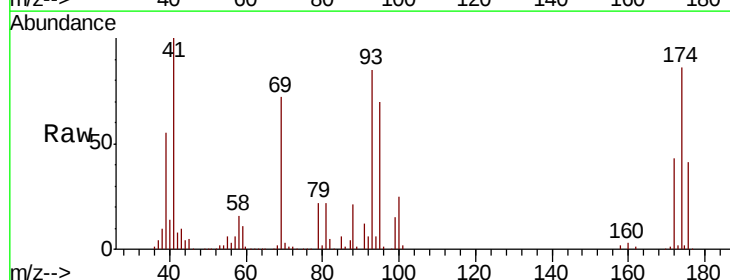
Tgt Ion: 93 Resp: 158976

Ion Ratio Lower Upper

93 100

95 82.9 66.7 100.1

174 102.0 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

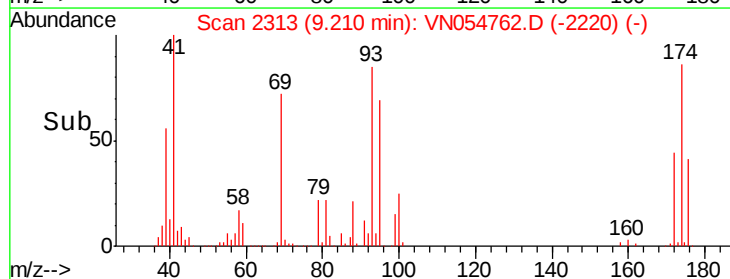
60000

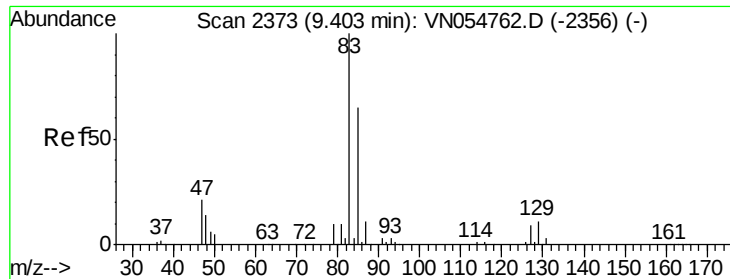
40000

20000

0

Time-->





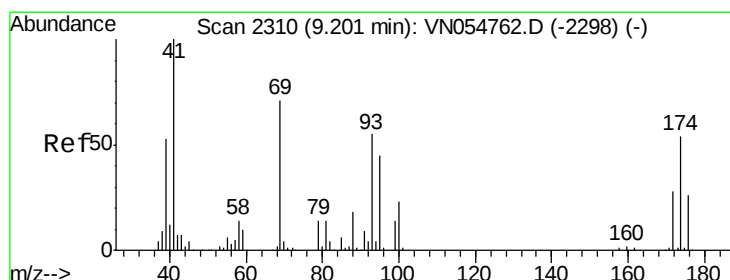
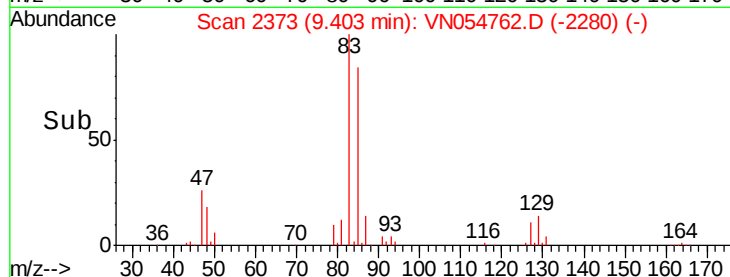
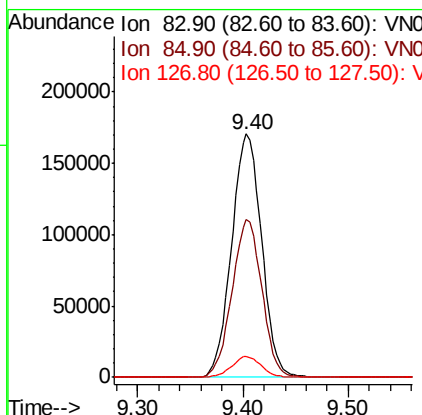
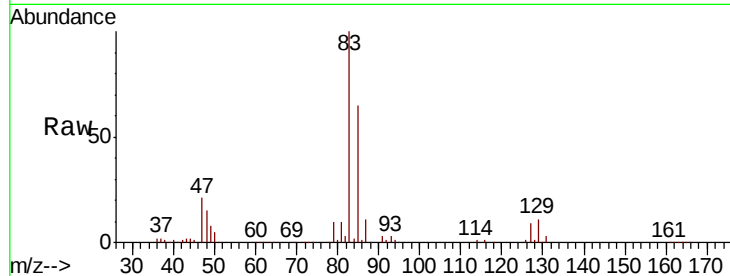
#47
Bromodichloromethane
Concen: 50.663 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	336964
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	52.8	79.2
127	8.8	7.4	11.2

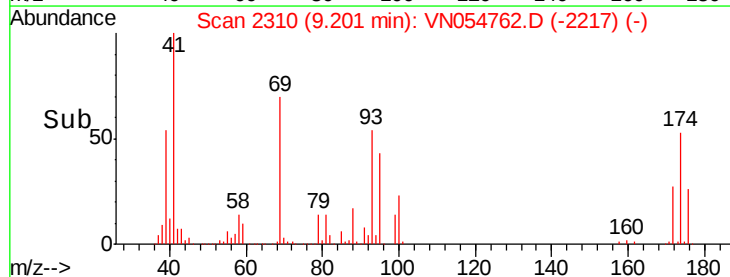
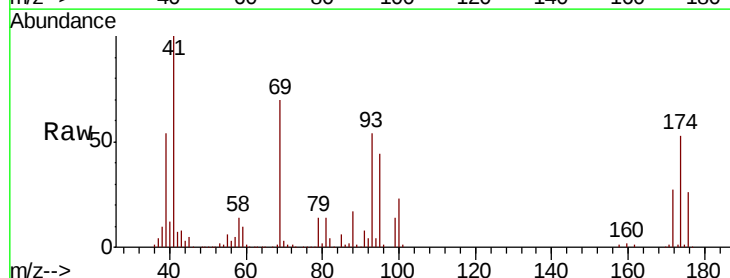
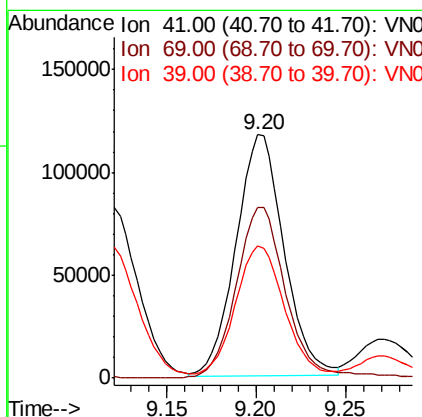
Manual Integrations
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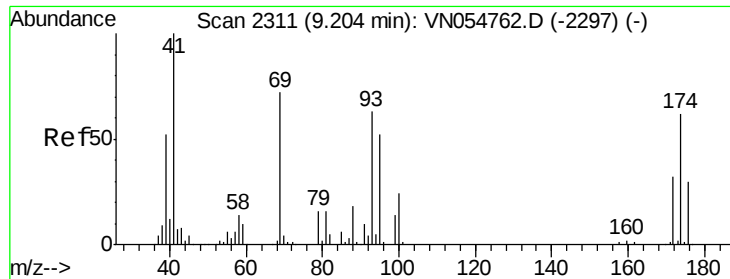
MMDadoda
4/1/2019 4:00:08 PM



#48
Methyl methacrylate
Concen: 49.331 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	41	Resp	222170
Ion Ratio	100	Lower	Upper
41	100		
69	73.9	72.6	108.8
39	55.7	47.5	71.3





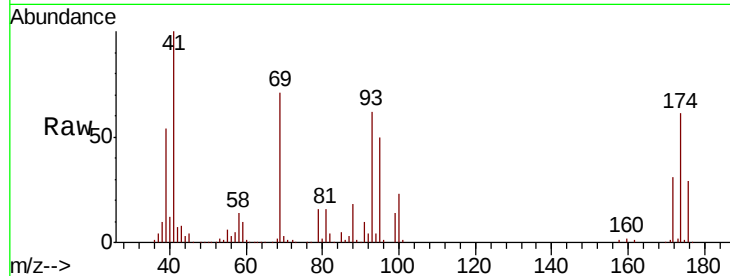
#49
1,4-Dioxane
Concen: 1020.686 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

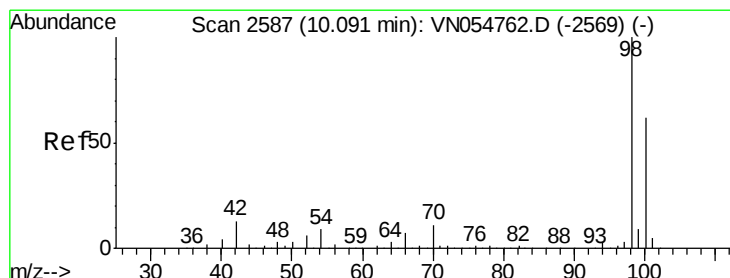
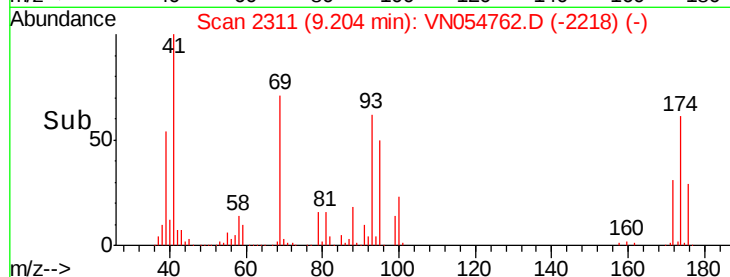
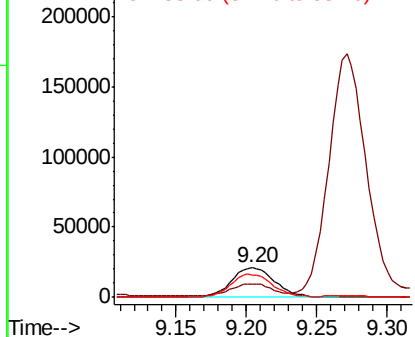
Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	24.1	36.1#
58	76.2	50.8	76.2#

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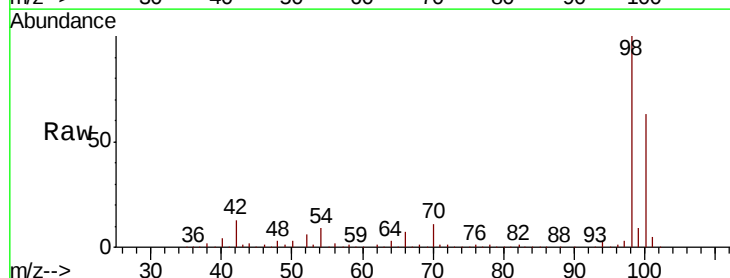


Abundance Ion 88.00 (87.70 to 88.70): VN054762.D (-2297) (-)
Ion 43.00 (42.70 to 43.70): VN054762.D (-2297) (-)
Ion 58.00 (57.70 to 58.70): VN054762.D (-2297) (-)

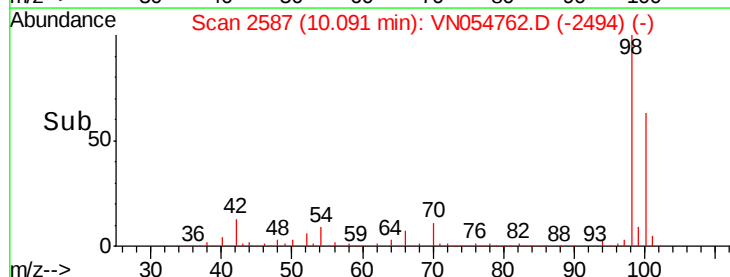
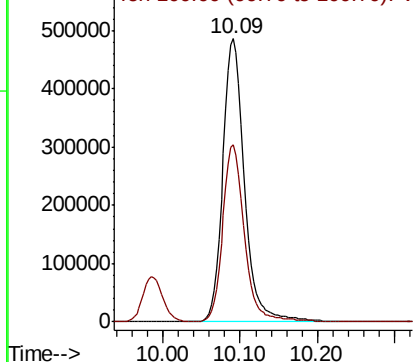


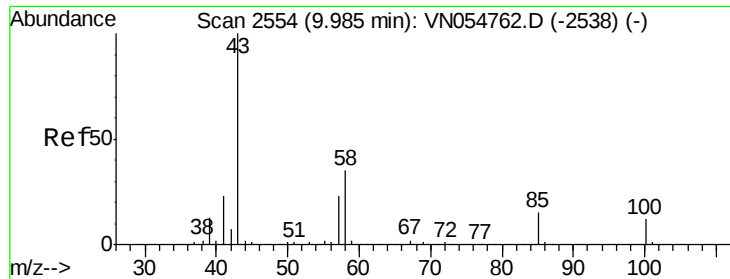
#50
Toluene-d8
Concen: 51.032 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)
Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 257.920 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1204767

Ion Ratio Lower Upper

43 100

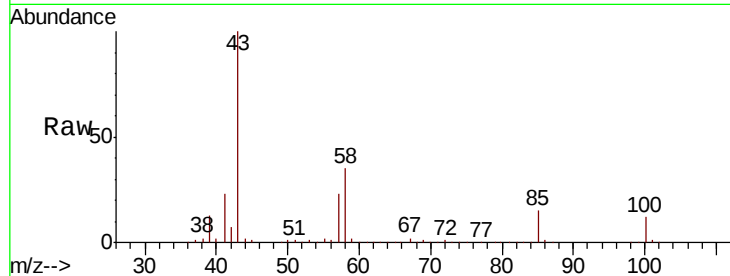
58 34.8 31.8 47.6

Manual Integrations

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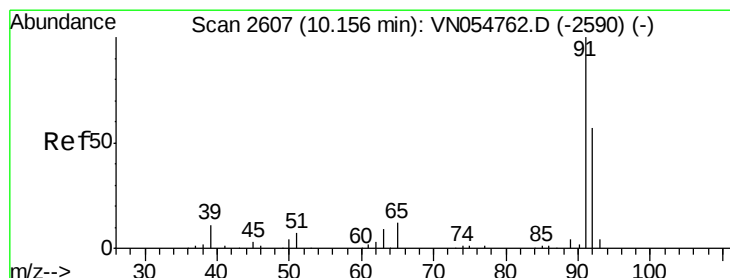
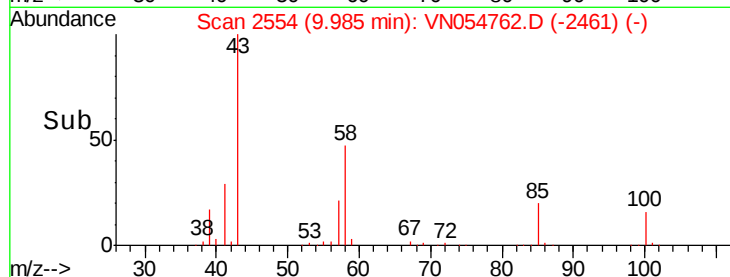
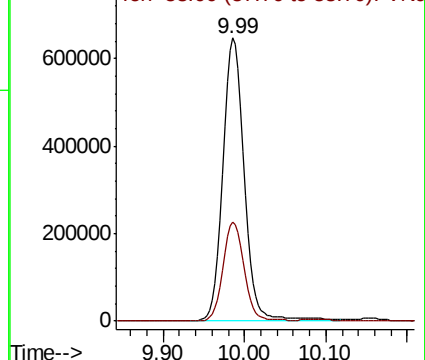
MMDadoda

4/1/2019 4:00:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054762.D

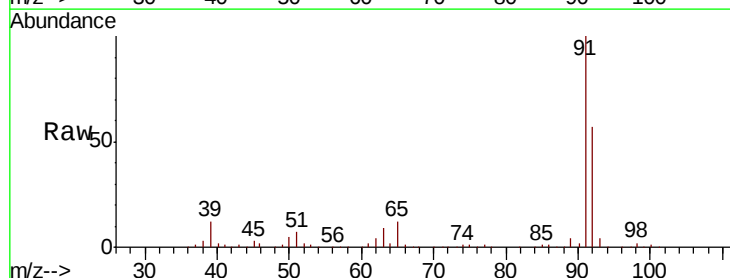
Acq: 29 Mar 2019 11:19

Tgt Ion: 92 Resp: 595685

Ion Ratio Lower Upper

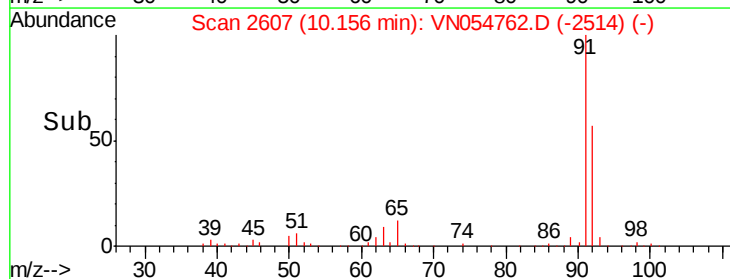
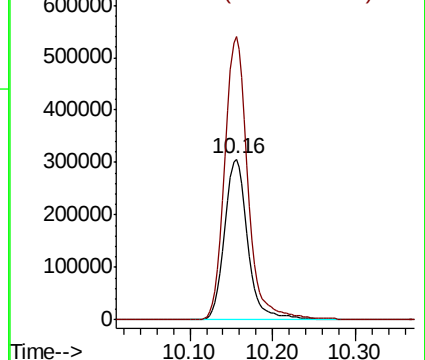
92 100

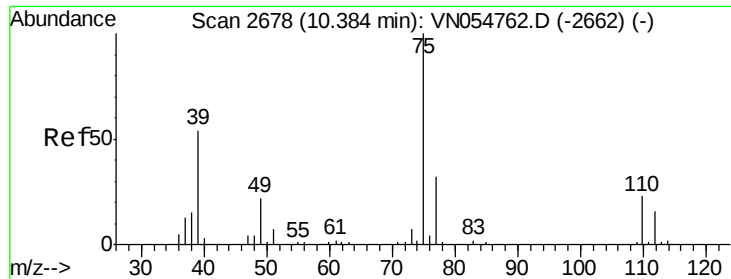
91 176.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





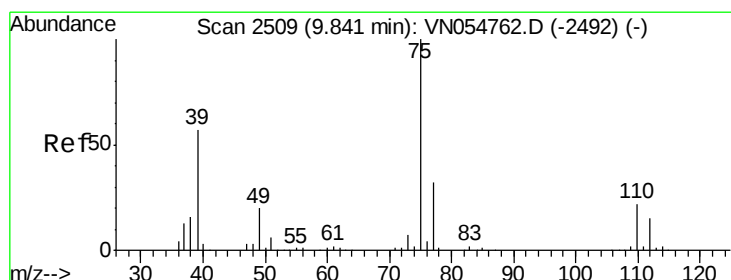
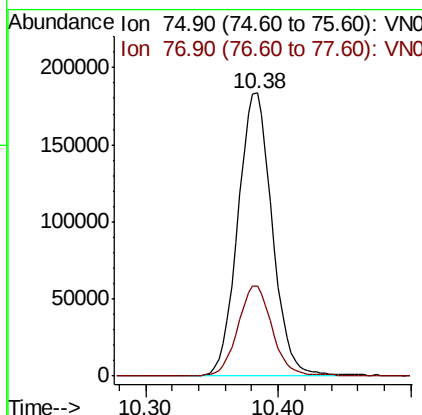
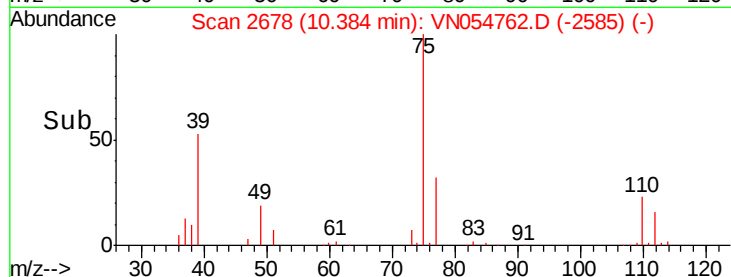
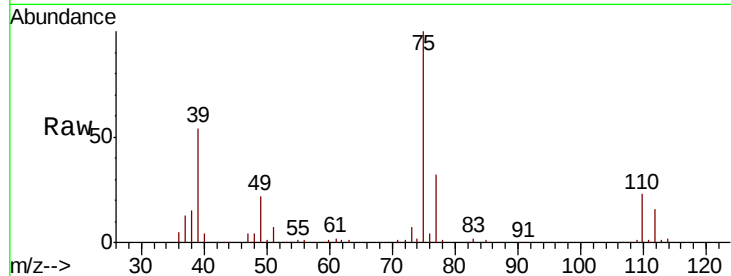
#53
t-1,3-Dichloropropene
Concen: 52.701 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 329721
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8

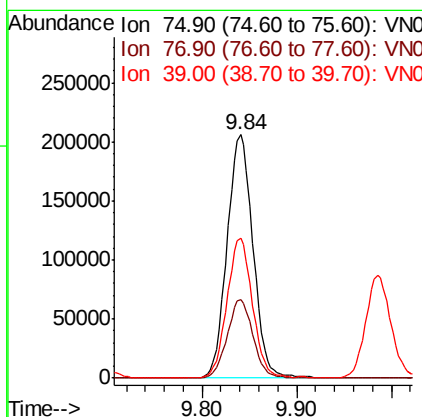
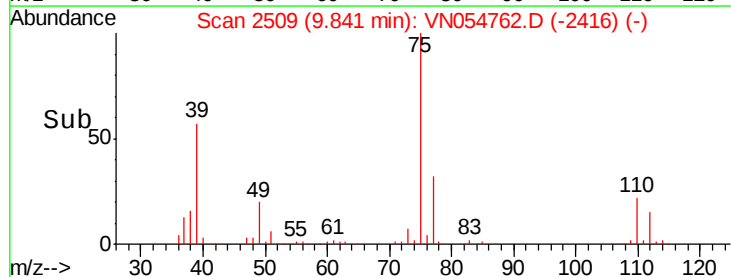
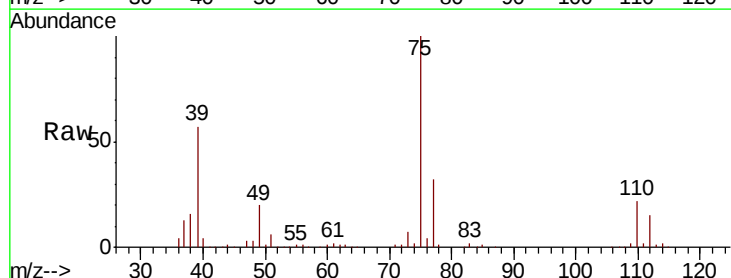
Manual Integrations
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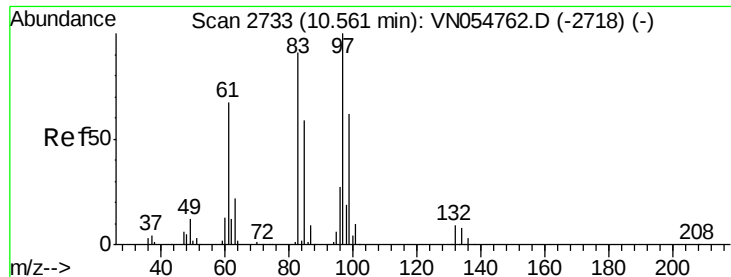
MMDadoda
4/1/2019 4:00:08 PM



#54
cis-1,3-Dichloropropene
Concen: 52.496 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 75 Resp: 392334
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
39 57.1 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 48.031 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

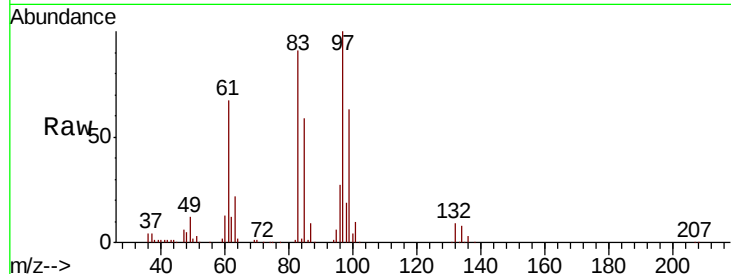
ClientSampleId :

VSTDICCC050

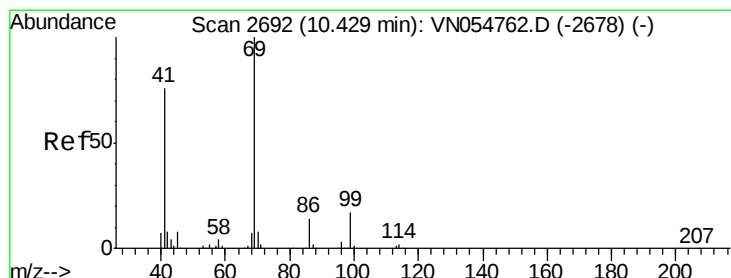
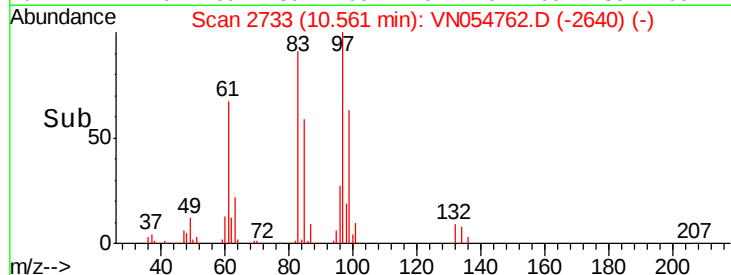
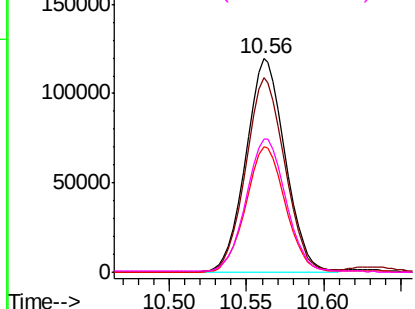
Tot Ion:	97	Resp:	212027
Ion	Ratio	Lower	Upper
97	100		
83	91.1	66.6	100.0
85	58.9	44.4	66.6
99	62.1	50.8	76.2

Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 51.470 ug/l

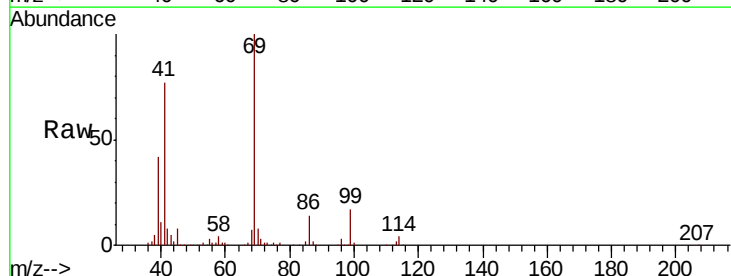
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

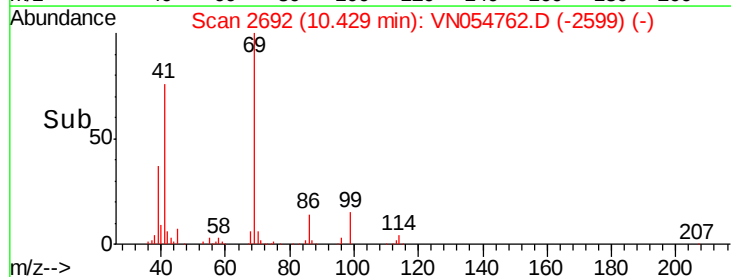
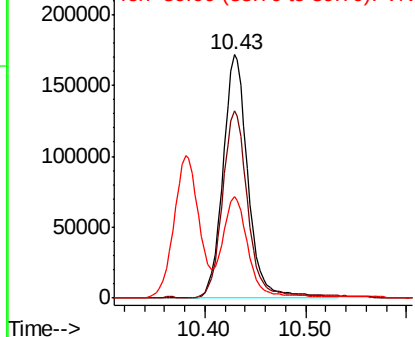
Lab File: VN054762.D

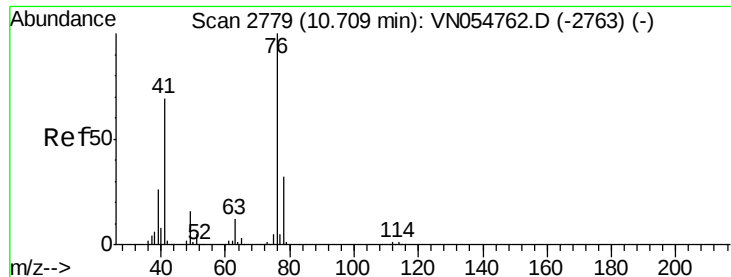
Acq: 29 Mar 2019 11:19

Tgt Ion:	69	Resp:	298050
Ion	Ratio	Lower	Upper
69	100		
41	76.3	49.4	74.2#
39	41.6	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.531 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 383493

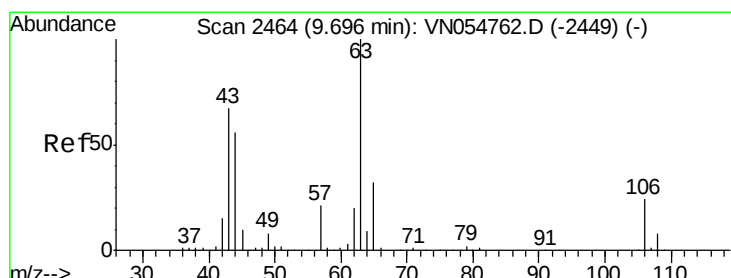
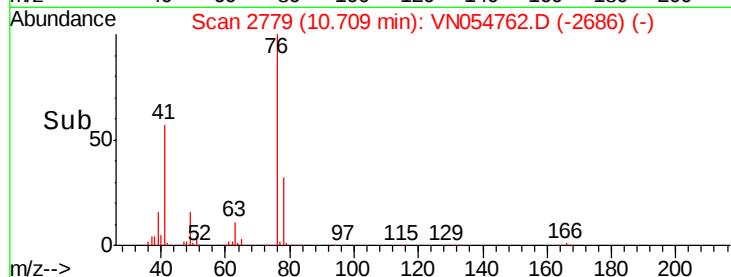
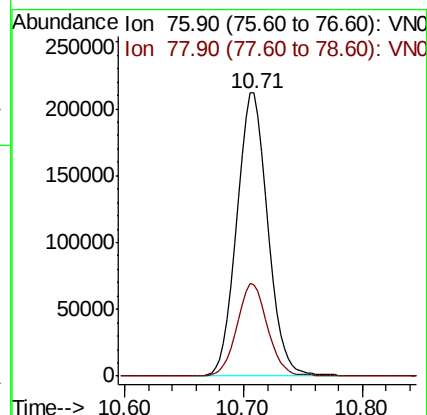
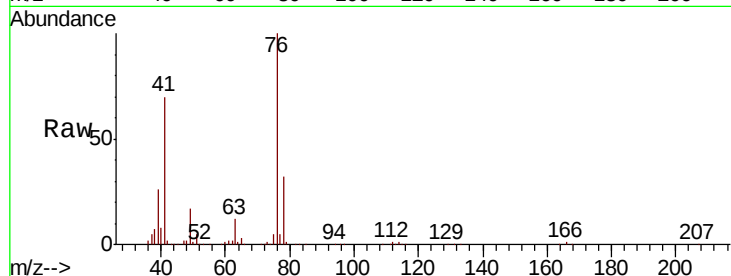
Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:08 PM



#58

2-Chloroethyl Vinyl ether

Concen: 270.477 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054762.D

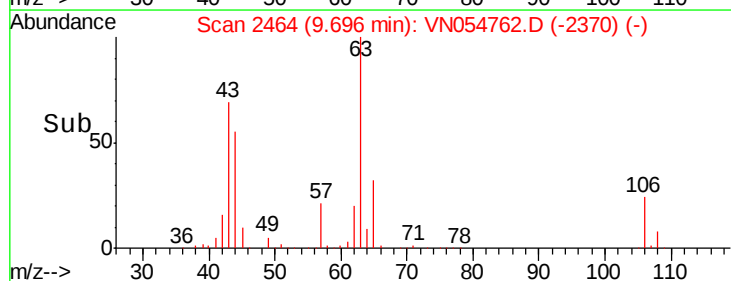
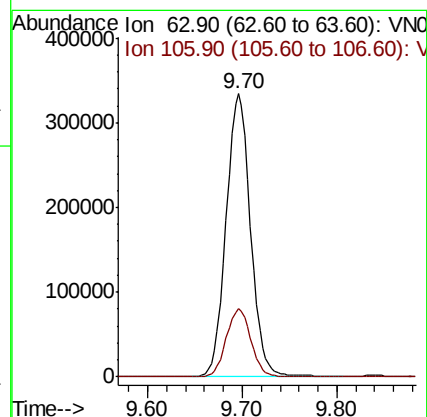
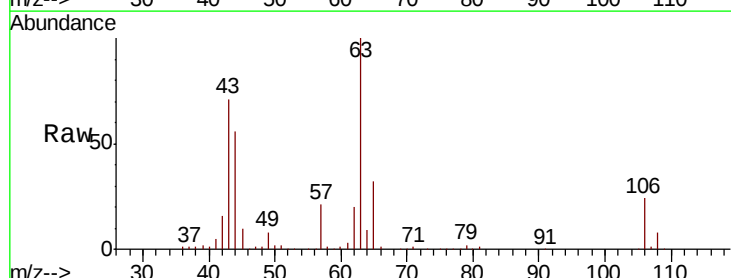
Acq: 29 Mar 2019 11:19

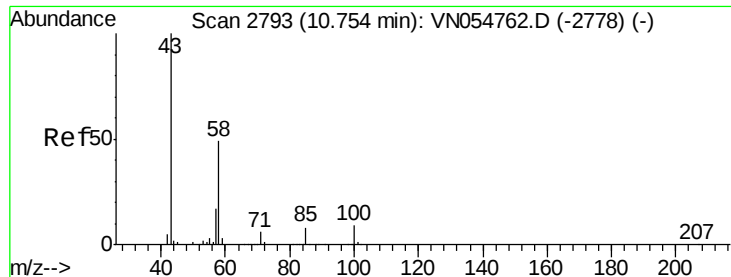
Tgt Ion: 63 Resp: 600593

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#





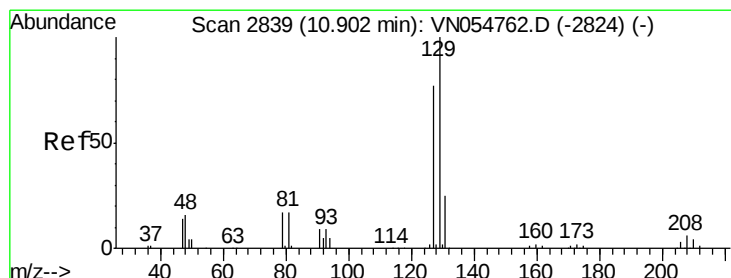
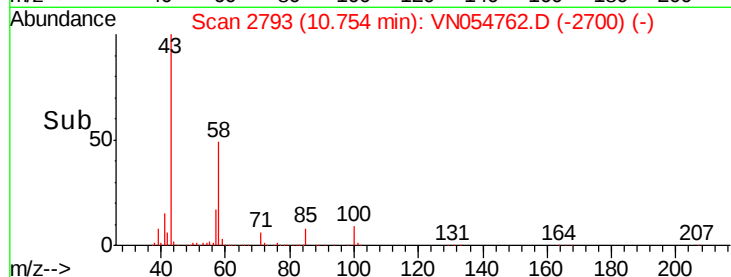
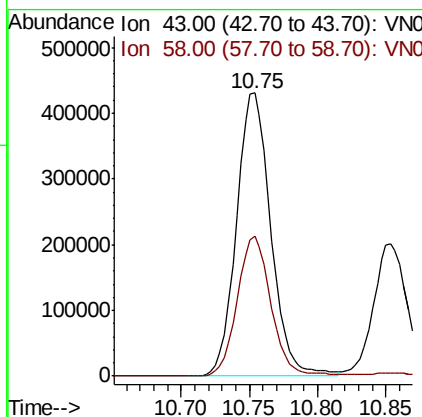
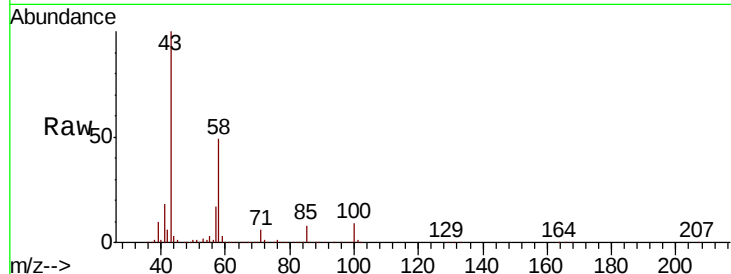
#59
2-Hexanone
Concen: 250.998 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	750547
Ion Ratio	100	Lower	Upper
43	100		
58	48.7	28.0	83.9

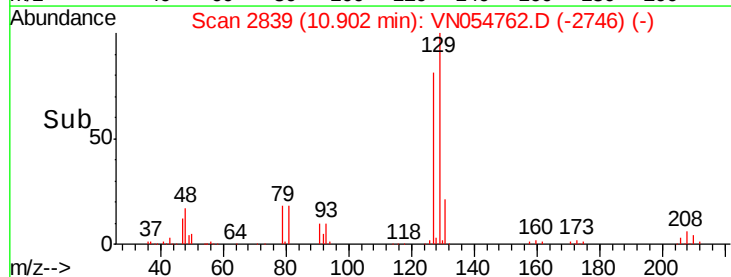
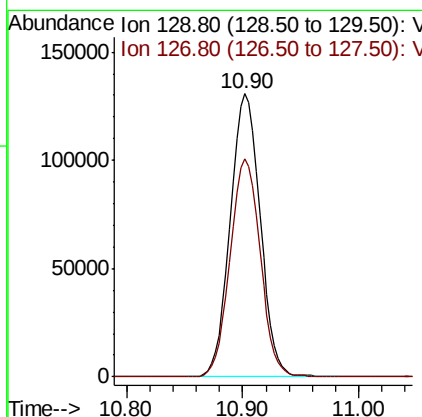
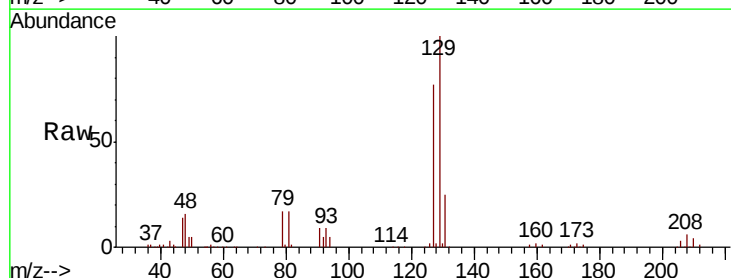
Manual Integrations
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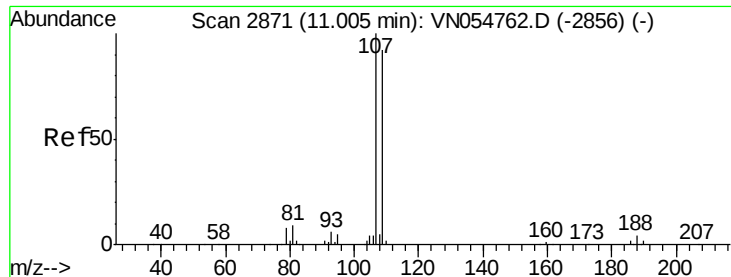
MMDadoda
4/1/2019 4:00:08 PM



#60
Dibromochloromethane
Concen: 52.196 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	129	Resp	233405
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.6	115.8





#61

1,2-Dibromoethane

Concen: 50.618 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 107 Resp: 213539

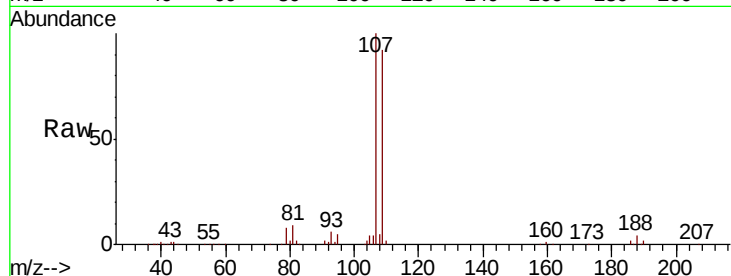
Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

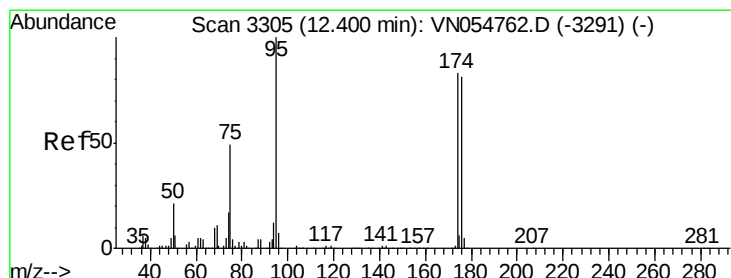
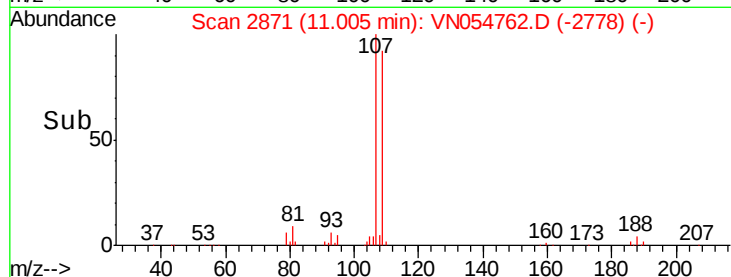
11.00

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.603 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

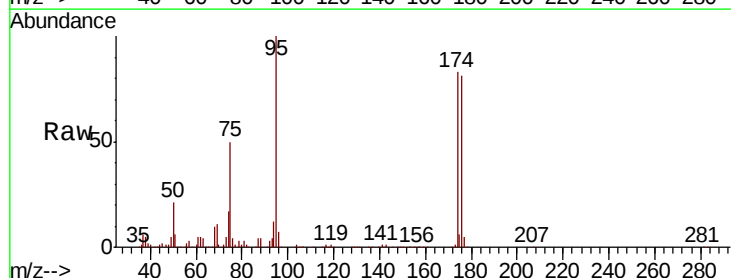
Tgt Ion: 95 Resp: 312140

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

176 81.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

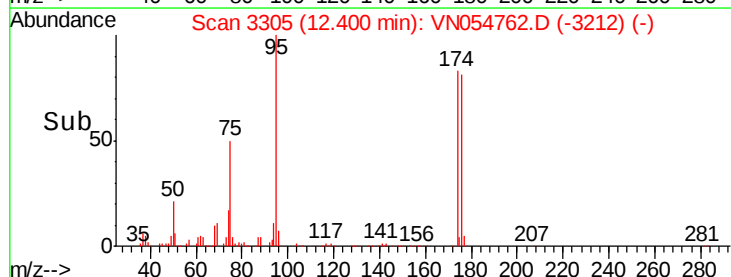
150000

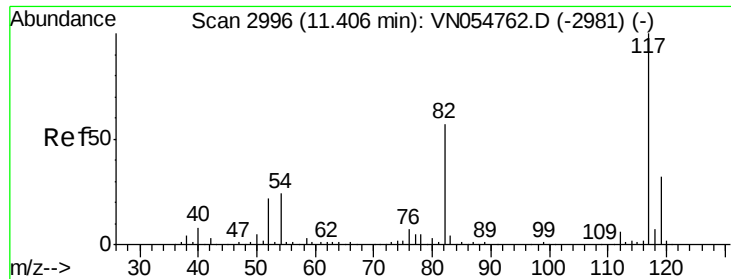
100000

50000

0

Time--> 12.30 12.40 12.50





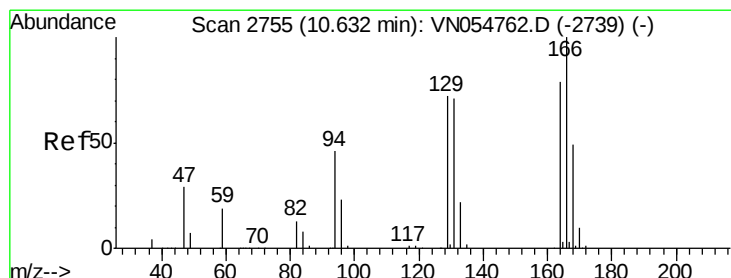
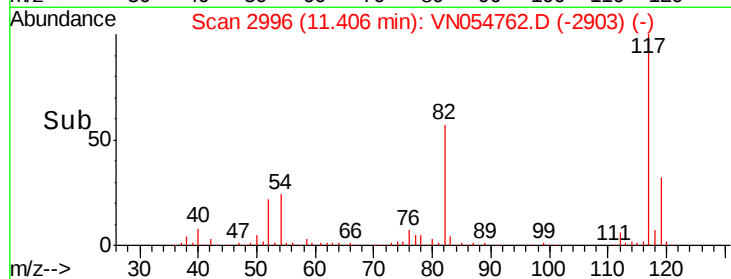
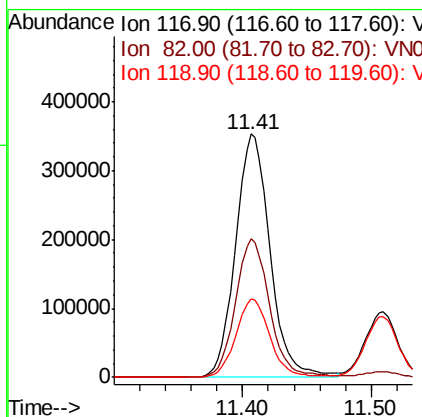
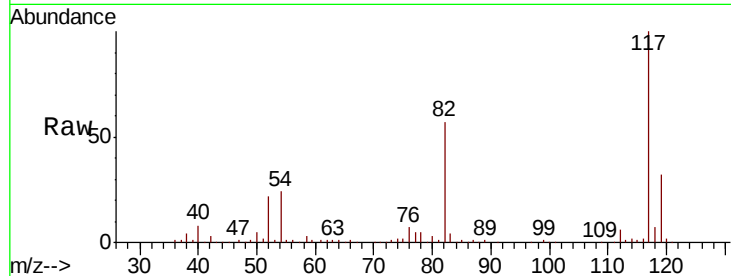
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	40.0	60.0
119	32.1	25.8	38.6

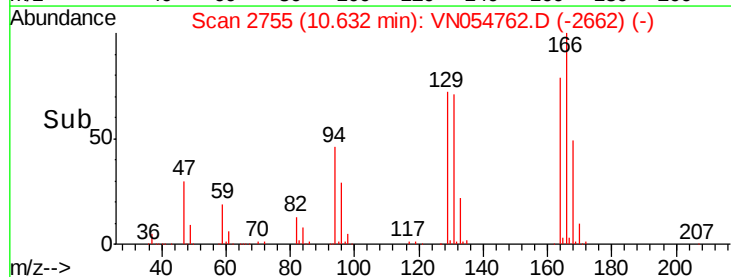
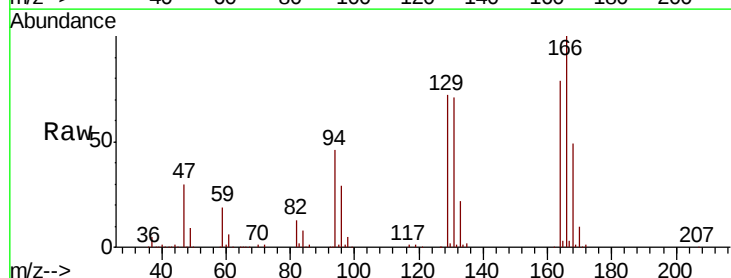
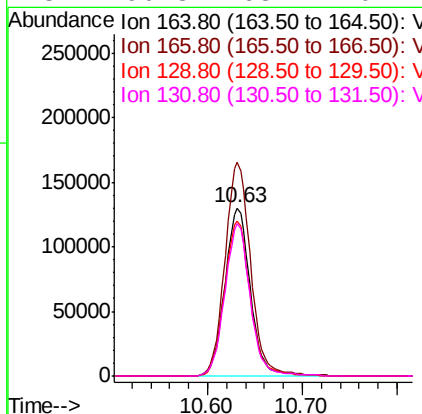
Manual Integrations
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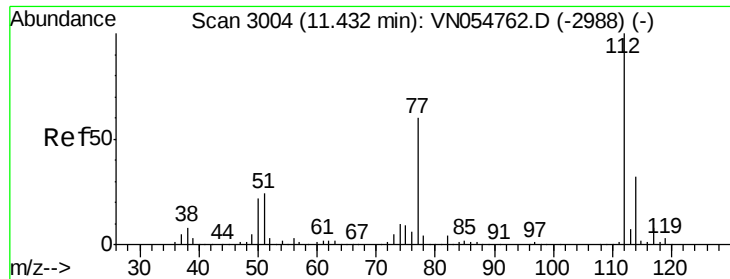
MMDadoda
4/1/2019 4:00:08 PM



#64
Tetrachloroethene
Concen: 48.217 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.9	155.9
129	91.9	71.1	106.7
131	90.3	68.2	102.4





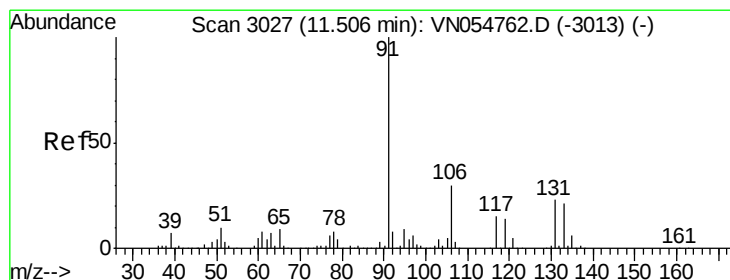
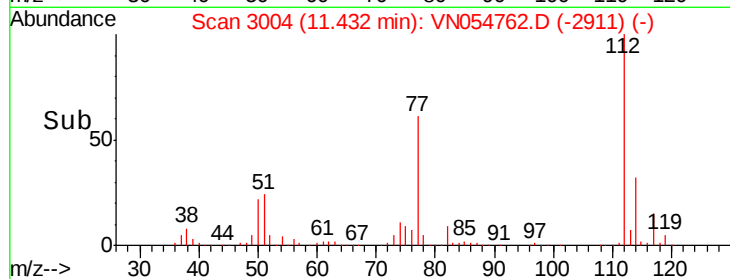
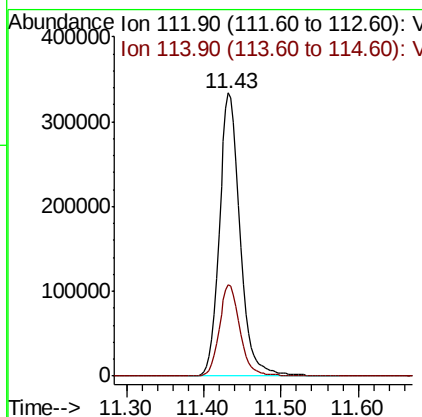
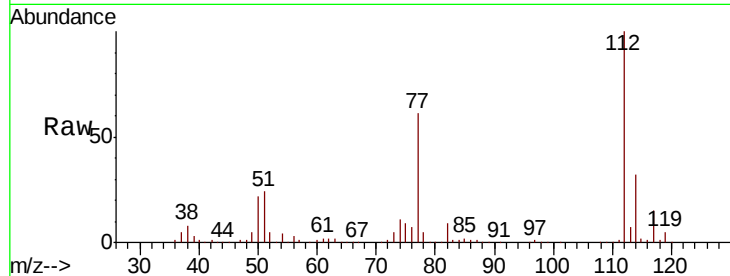
#65
Chlorobenzene
Concen: 48.640 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 625643
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

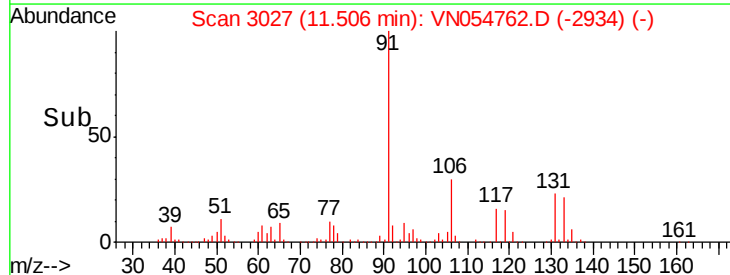
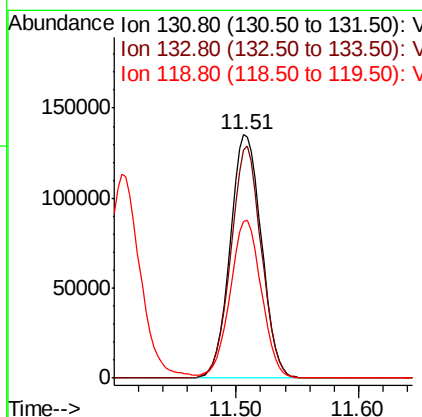
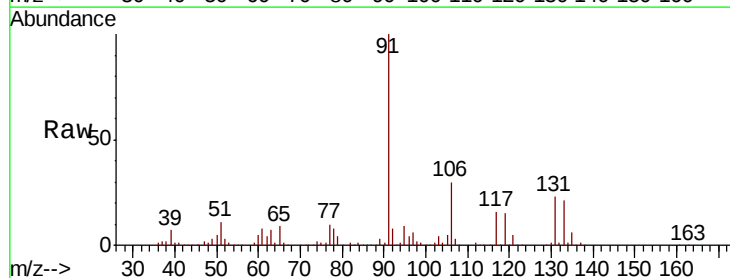
Manual Integrations
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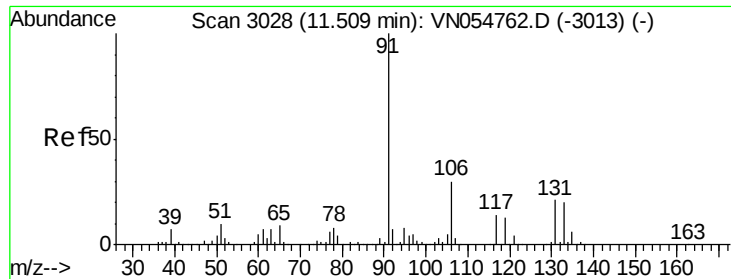
MMDadoda
4/1/2019 4:00:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.121 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion:131 Resp: 241305
Ion Ratio Lower Upper
131 100
133 93.3 47.6 142.9
119 65.0 32.4 97.0





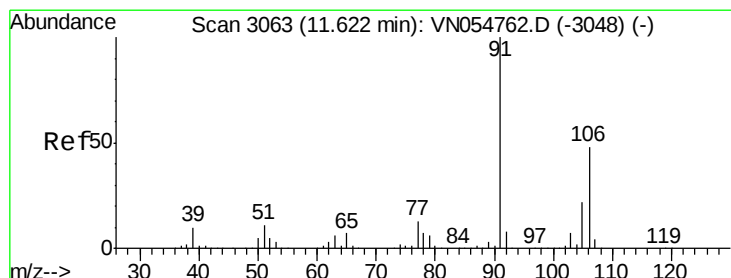
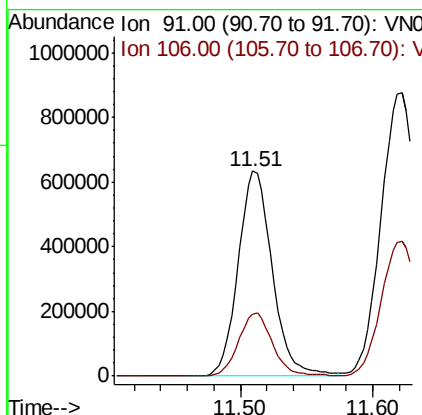
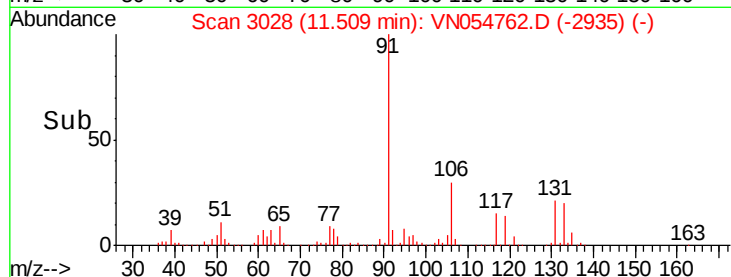
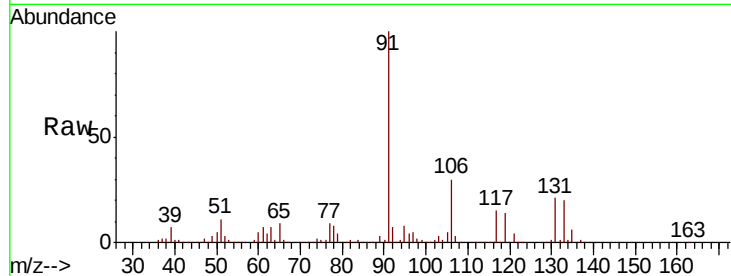
#67
Ethyl Benzene
Concen: 48.925 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleID :
VSTDICCC050

Tot Ion: 91 Resp: 1135619
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3

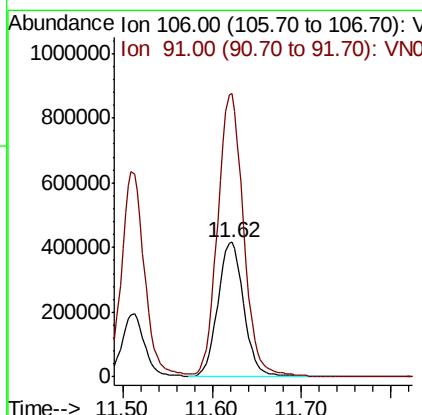
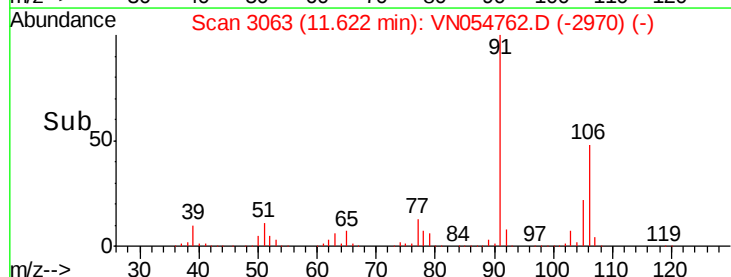
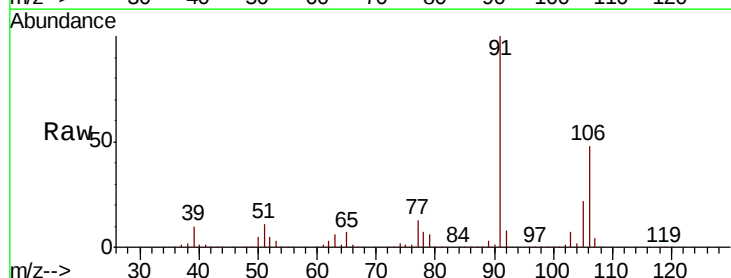
Manual Integrations
APPROVED

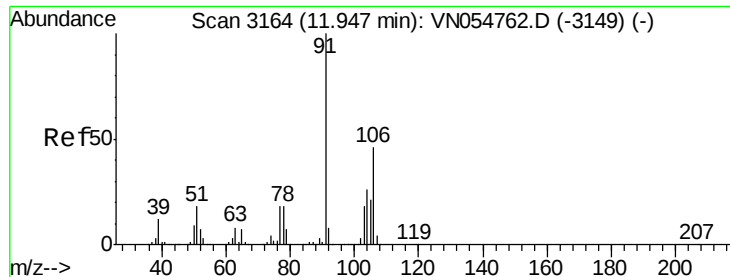
MMDadoda
4/1/2019 4:00:08 PM



#68
m/p-Xylenes
Concen: 97.942 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 106 Resp: 841290
Ion Ratio Lower Upper
106 100
91 209.7 159.4 239.2





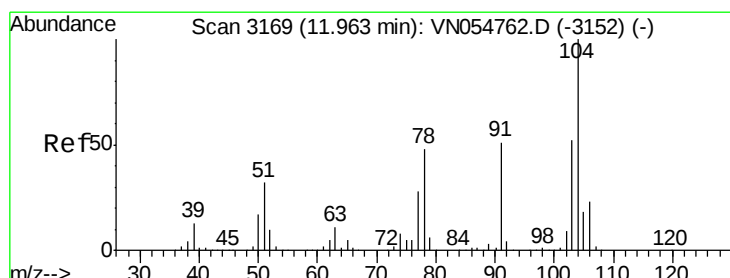
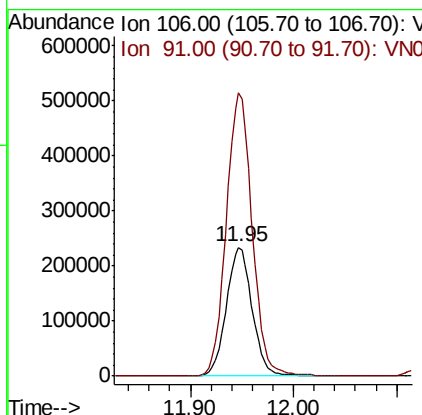
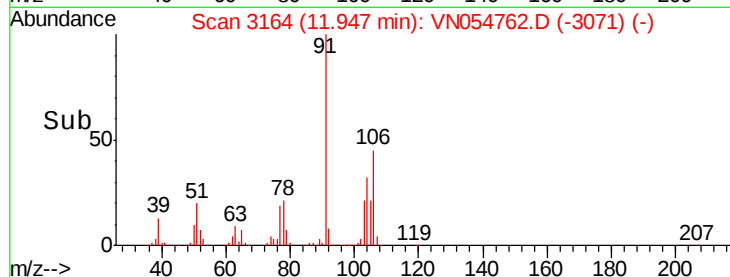
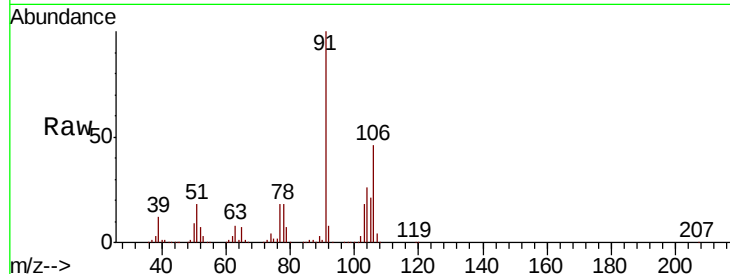
#69
o-Xylene
Concen: 48.409 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 407750
Ion Ratio Lower Upper
106 100
91 220.9 105.7 317.1

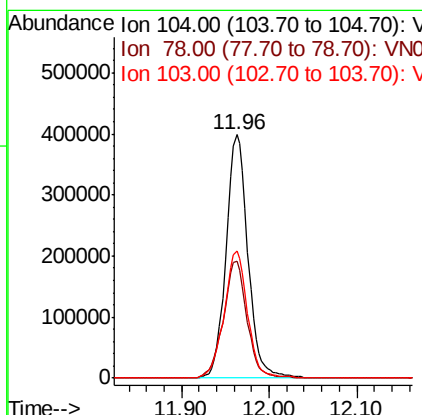
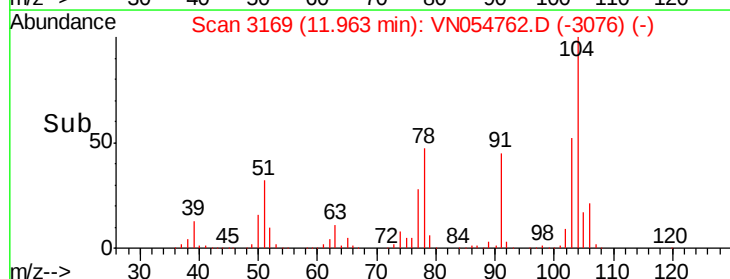
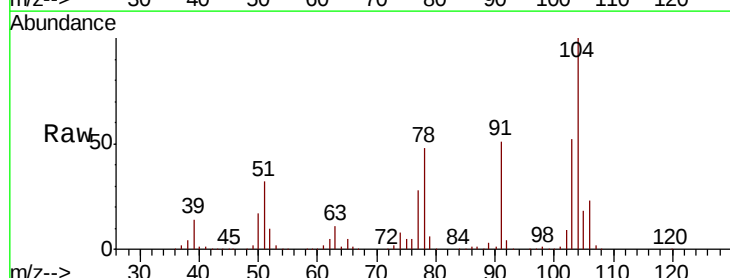
Manual Integrations
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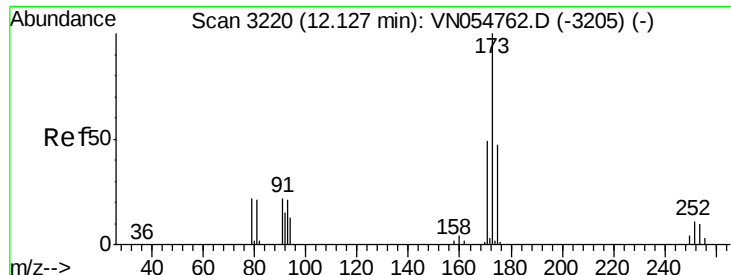
MMDadoda
4/1/2019 4:00:08 PM



#70
Styrene
Concen: 51.350 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion:104 Resp: 691562
Ion Ratio Lower Upper
104 100
78 52.1 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 51.960 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:173 Resp: 146554

Ion Ratio Lower Upper

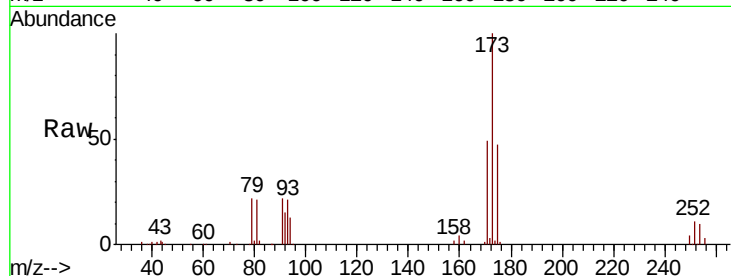
173 100

175 48.0 24.4 73.2

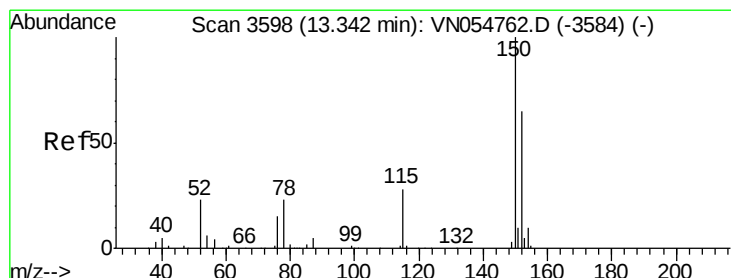
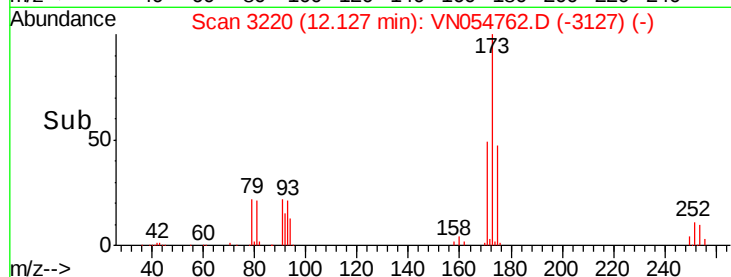
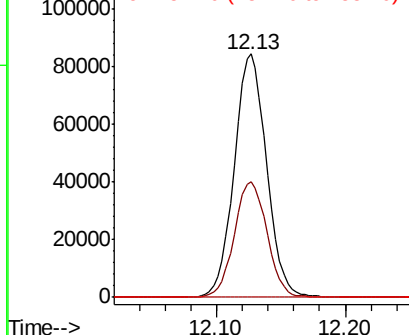
254 0.1 0.1 0.1#

Manual Integrations
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4/1/2019 4:00:08 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

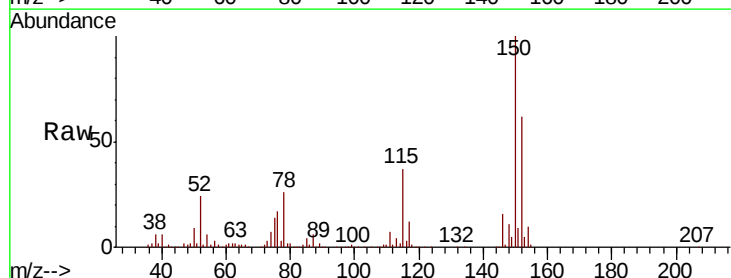
Tgt Ion:152 Resp: 292147

Ion Ratio Lower Upper

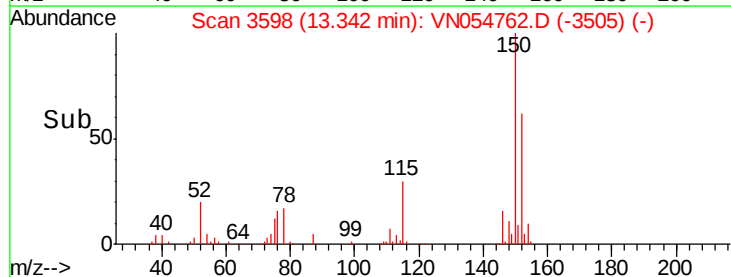
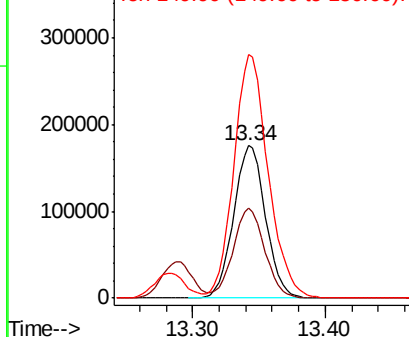
152 100

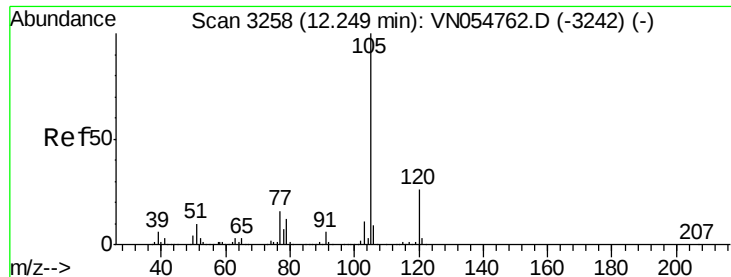
115 58.3 27.2 81.6

150 172.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.617 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1089278

Ion Ratio Lower Upper

105 100

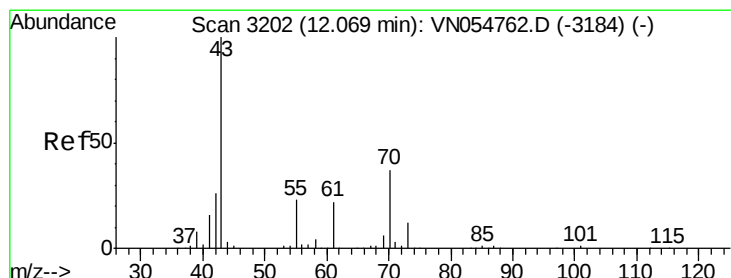
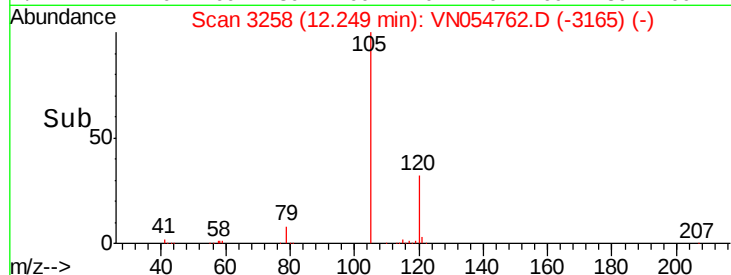
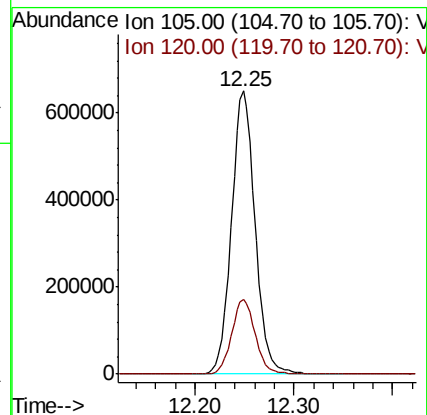
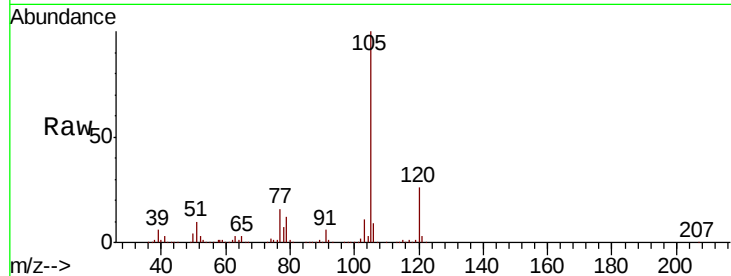
120 26.4 13.8 41.3

Manual Integrations

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4/1/2019 4:00:08 PM



#74

N-ethyl acetate

Concen: 48.212 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion: 43 Resp: 358664

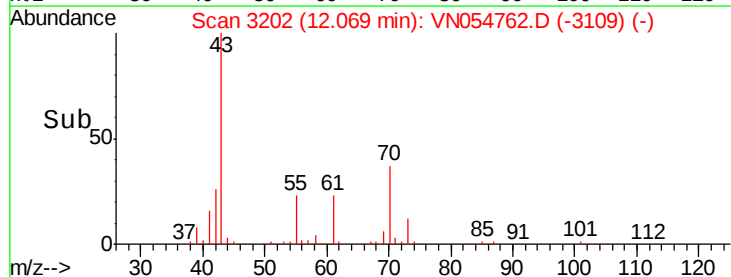
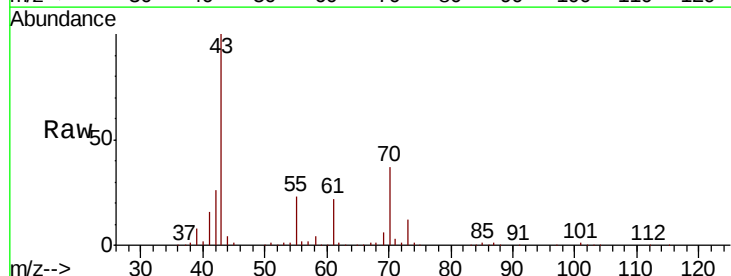
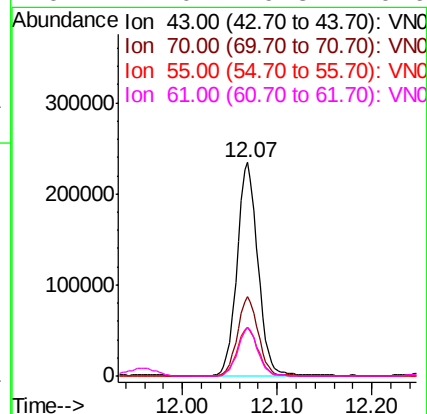
Ion Ratio Lower Upper

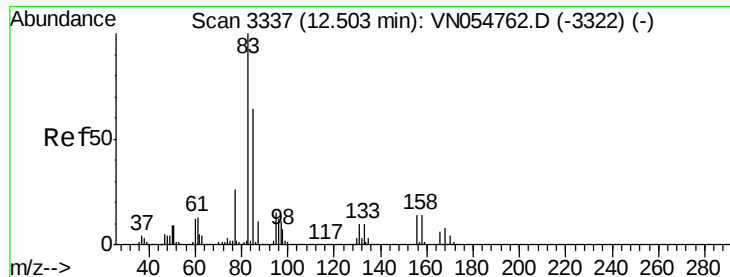
43 100

70 37.1 35.4 53.0

55 23.0 19.8 29.6

61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.479 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

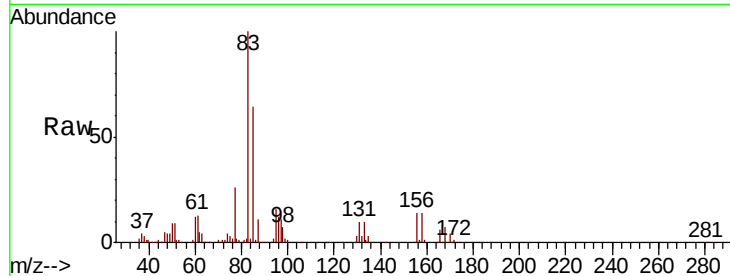
ClientSampleId :

VSTDICCC050

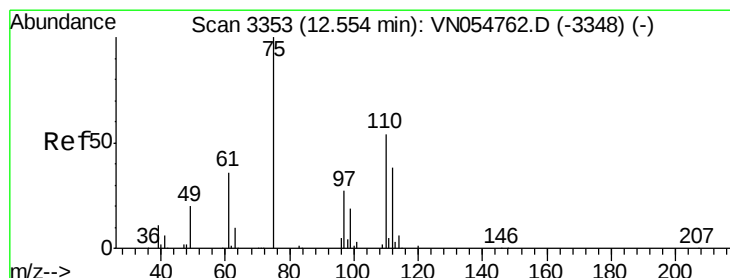
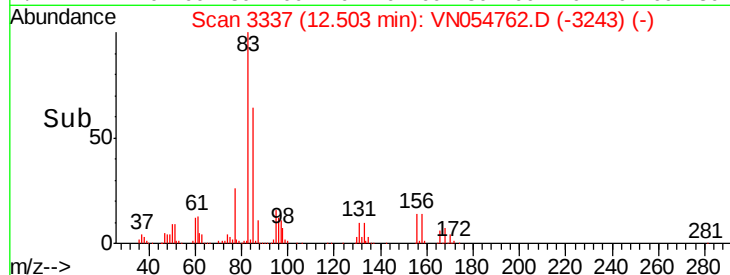
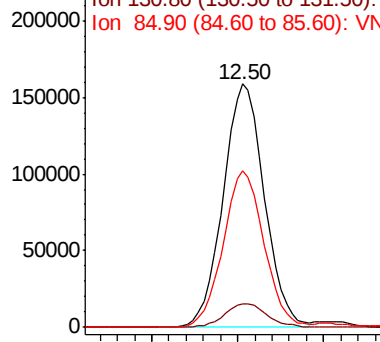
Tot Ion:	83	Resp:	263770
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	63.5	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 45.492 ug/l m

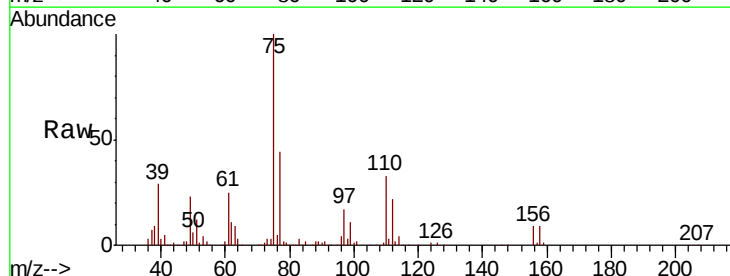
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

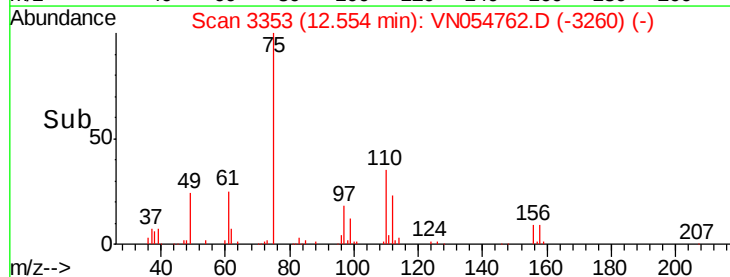
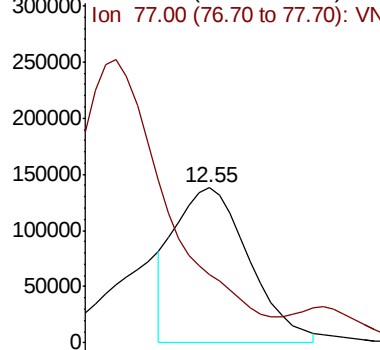
Lab File: VN054762.D

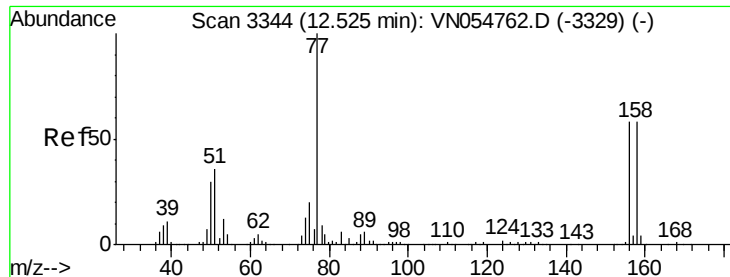
Acq: 29 Mar 2019 11:19

Tgt Ion:	75	Resp:	223178
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3348) (-)





#77

Bromobenzene

Concen: 46.599 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

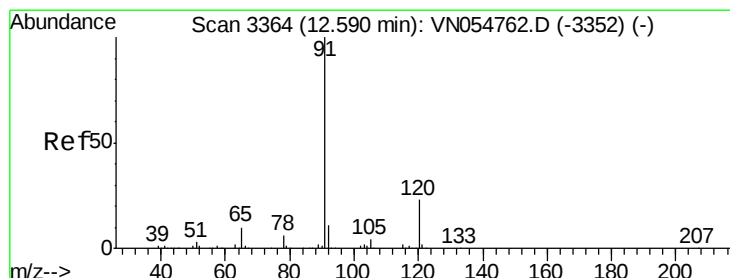
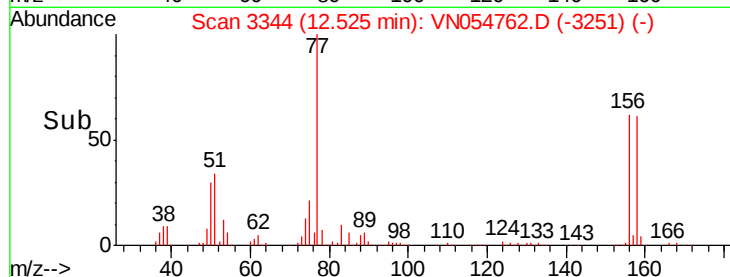
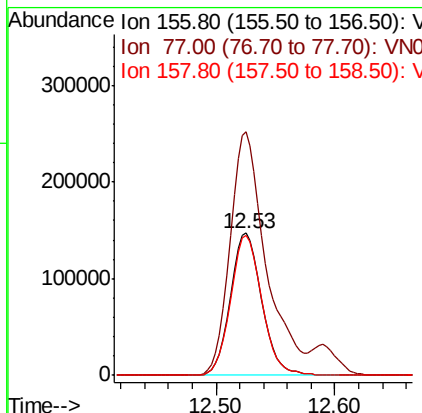
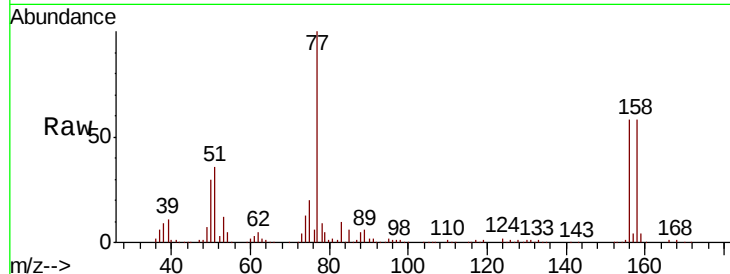
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	268550
Ion Ratio	Lower	Upper	
156	100		
77	195.4	81.5	244.4
158	97.8	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 47.267 ug/l

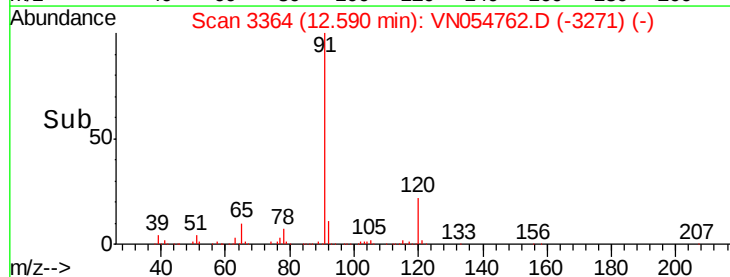
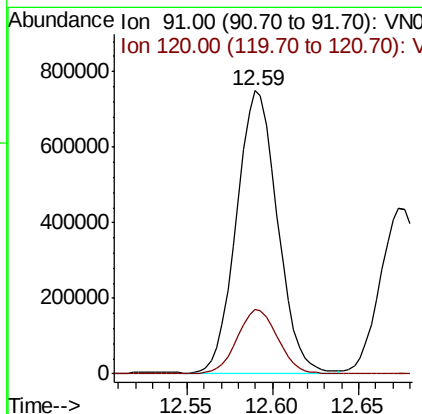
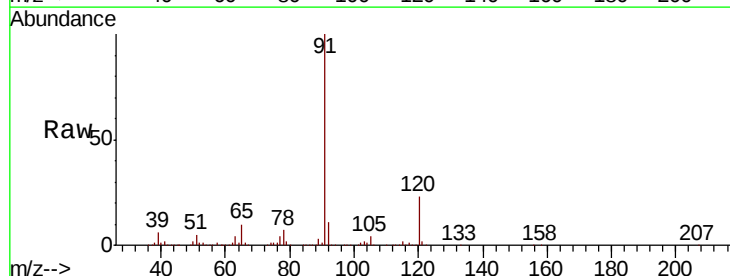
RT: 12.59 min Scan# 3364

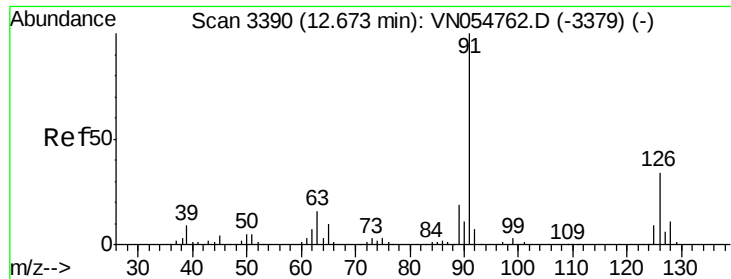
Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion:	91	Resp:	1240551
Ion Ratio	Lower	Upper	
91	100		
120	22.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 45.627 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 740865

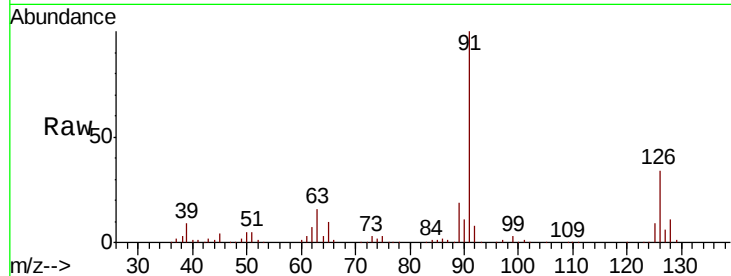
Ion Ratio Lower Upper

91 100

126 34.3 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054762.D (-3379) (-)

12.67

400000

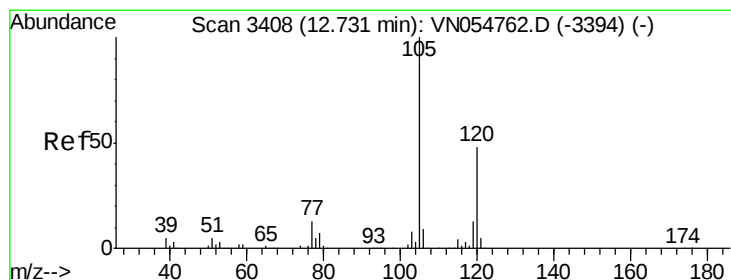
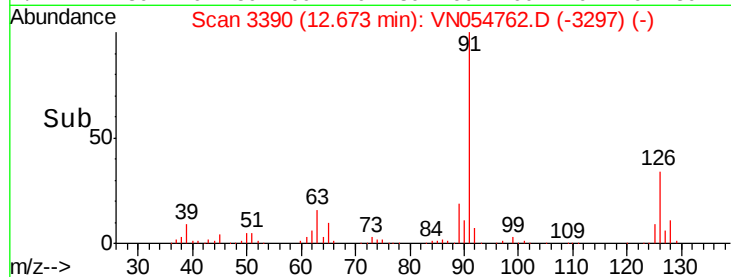
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.426 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054762.D

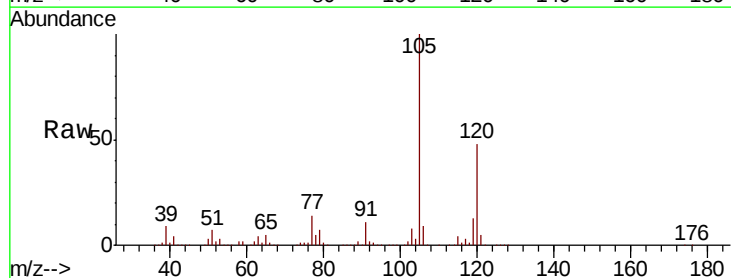
Acq: 29 Mar 2019 11:19

Tgt Ion: 105 Resp: 909649

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3394) (-)

12.73

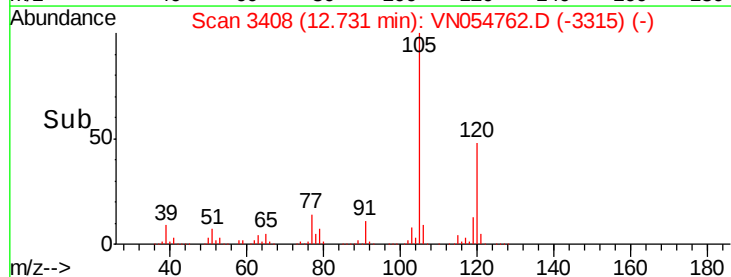
600000

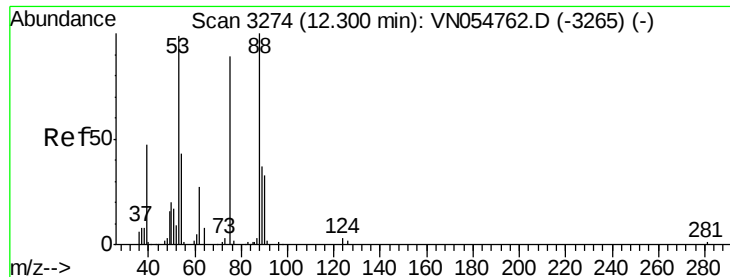
400000

200000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.570 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 62068

Ion Ratio Lower Upper

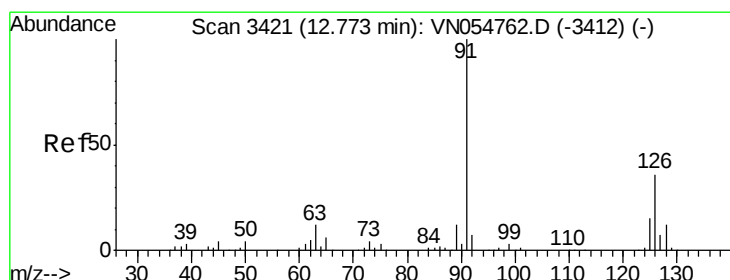
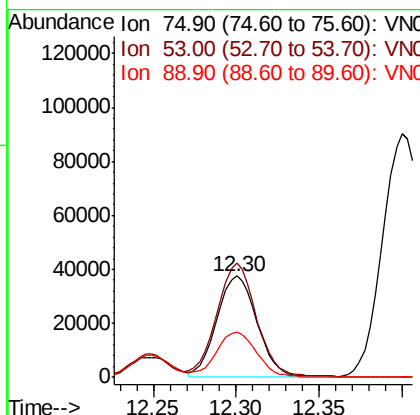
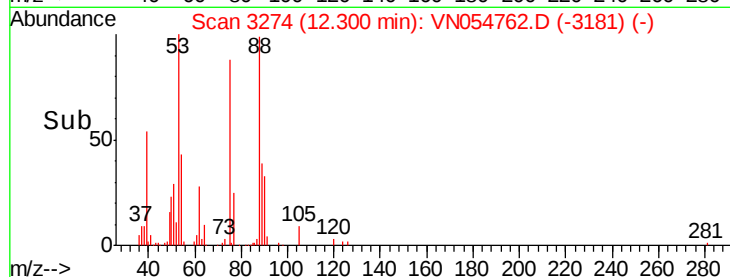
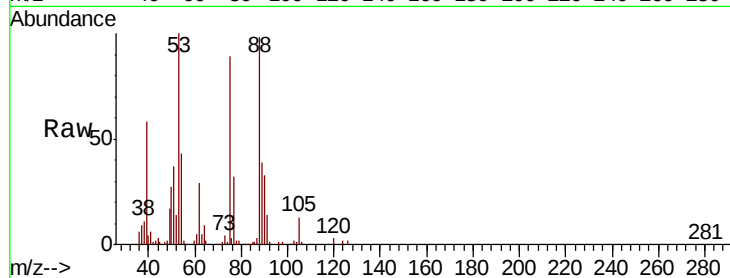
75 100

53 115.3 76.2 114.2#

89 46.3 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.603 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054762.D

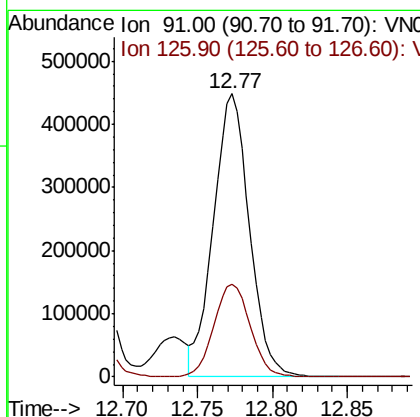
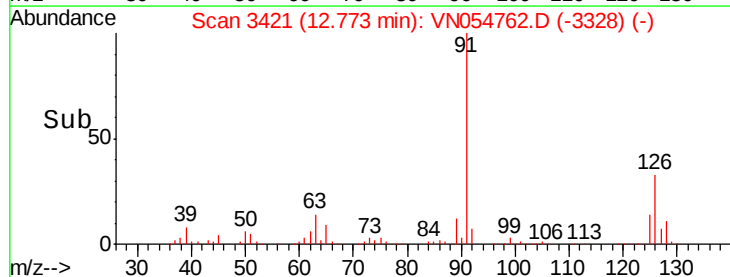
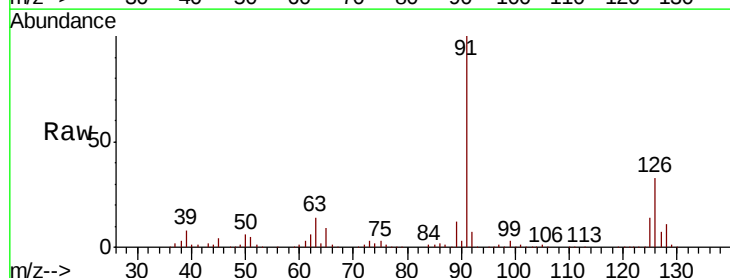
Acq: 29 Mar 2019 11:19

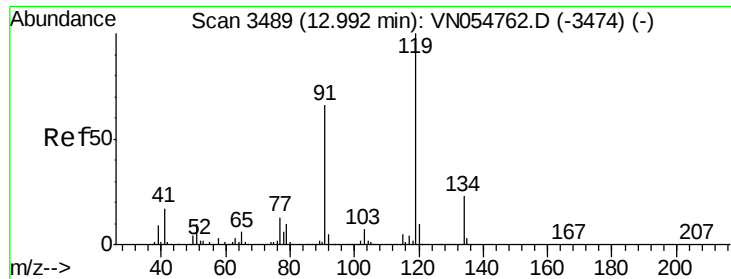
Tgt Ion: 91 Resp: 750752

Ion Ratio Lower Upper

91 100

126 33.3 18.1 54.1





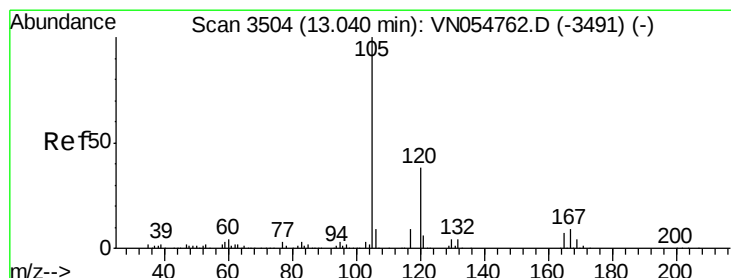
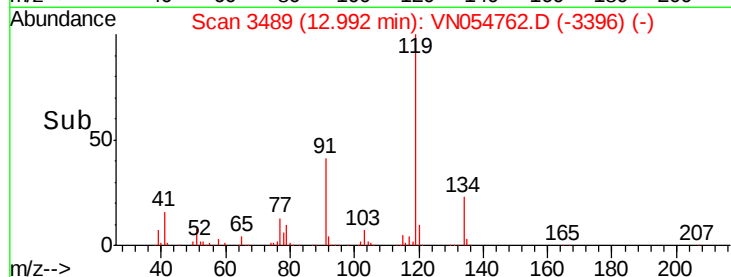
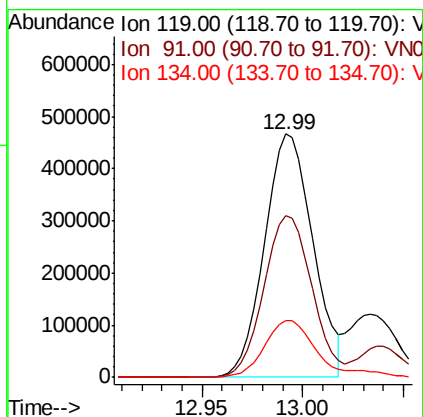
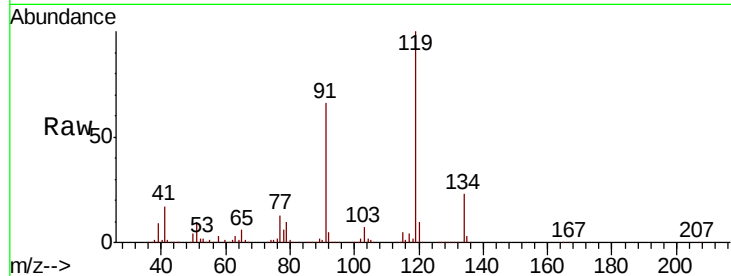
#83
tert-Butylbenzene
Concen: 45.457 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	30.9	92.8
134	25.6	13.2	39.6

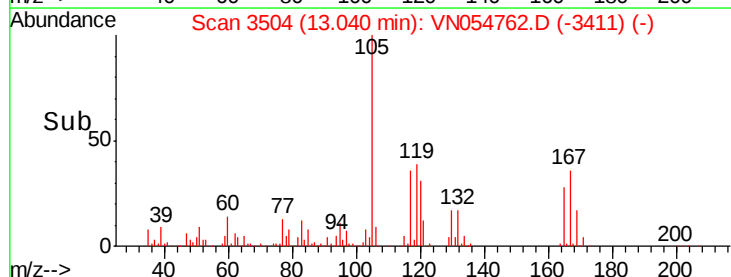
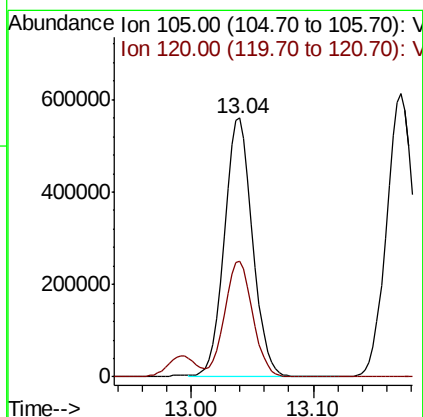
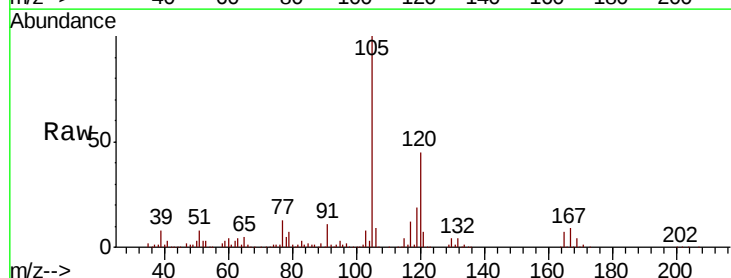
Manual Integrations
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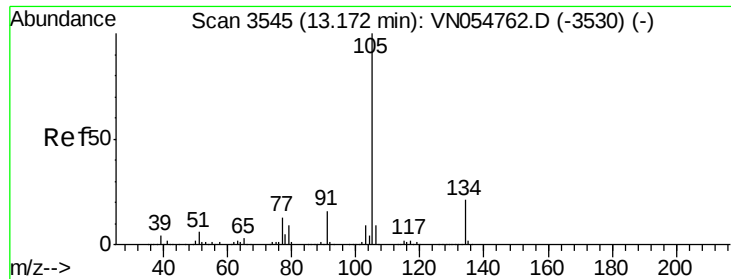
MMDadoda
4/1/2019 4:00:08 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.448 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 46.191 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 983163

Ion Ratio Lower Upper

105 100

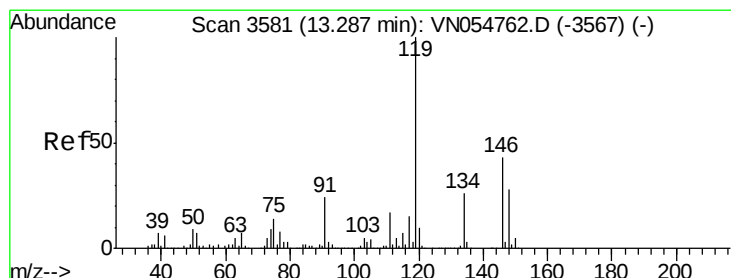
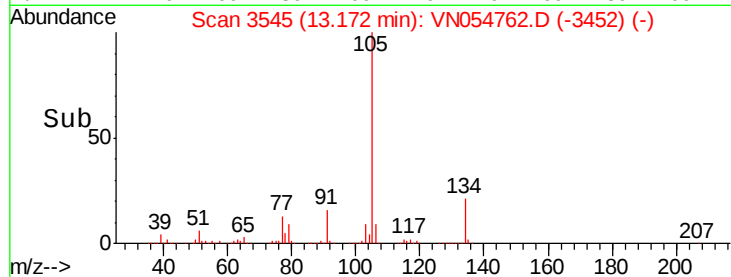
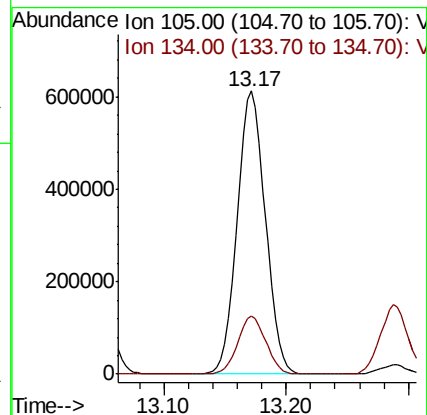
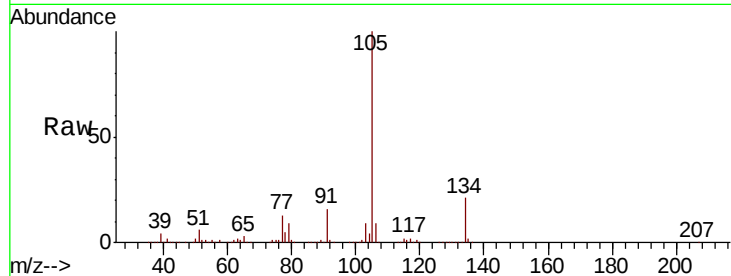
134 20.4 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.345 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

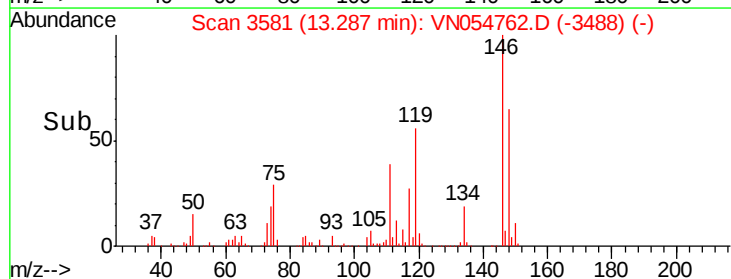
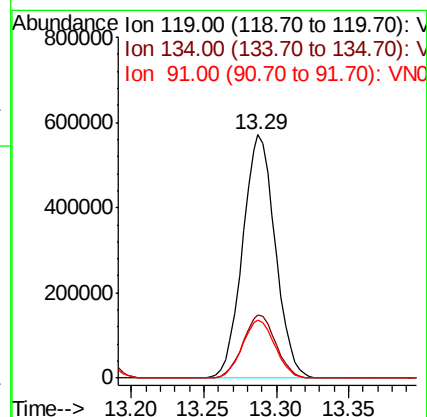
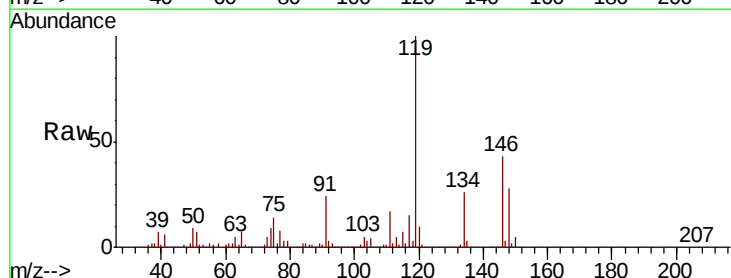
Tgt Ion:119 Resp: 888798

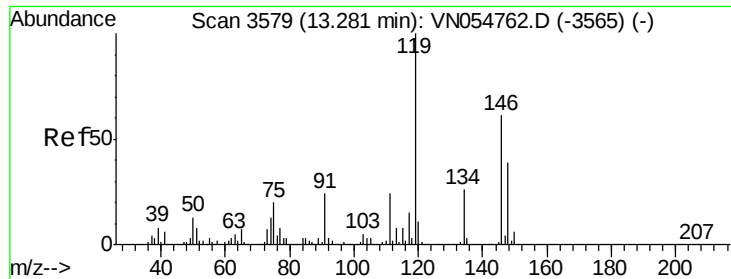
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 24.2 11.1 33.3





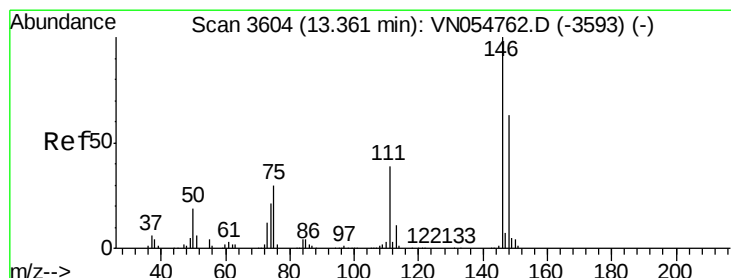
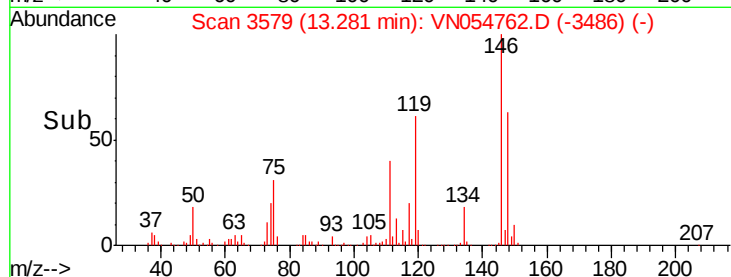
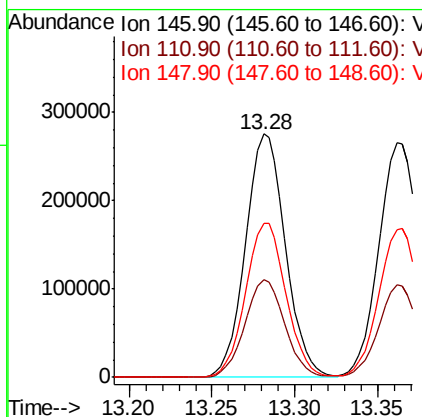
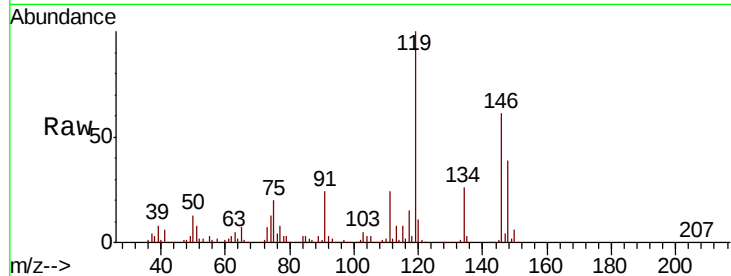
#87
 1,3-Dichlorobenzene
 Concen: 47.838 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.8	56.3
148	64.2	32.2	96.6

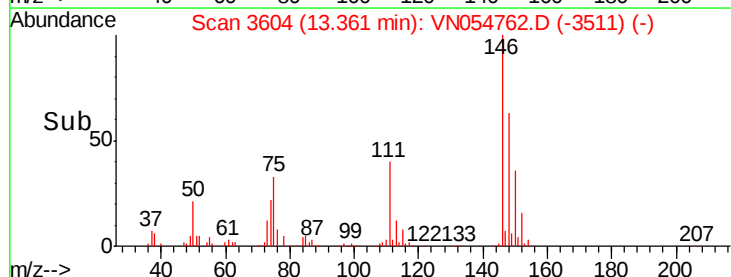
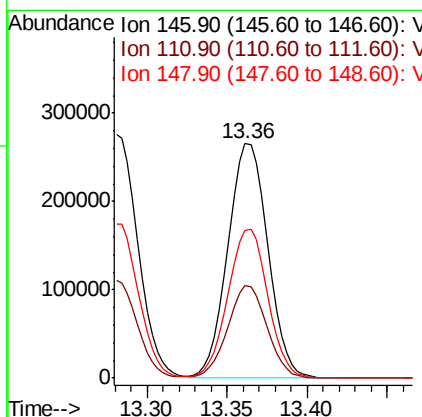
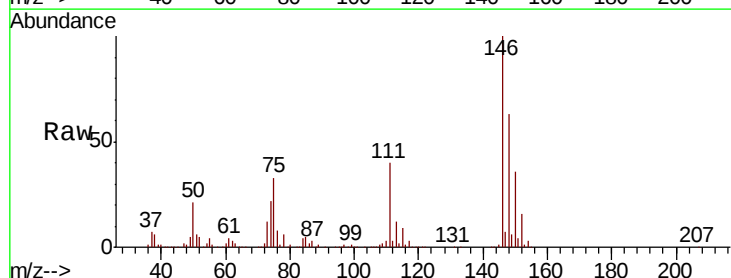
Manual Integrations
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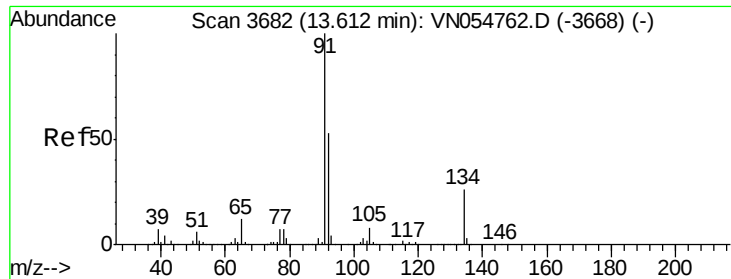
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#88
 1,4-Dichlorobenzene
 Concen: 47.763 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.1	54.1
148	63.5	32.0	96.0





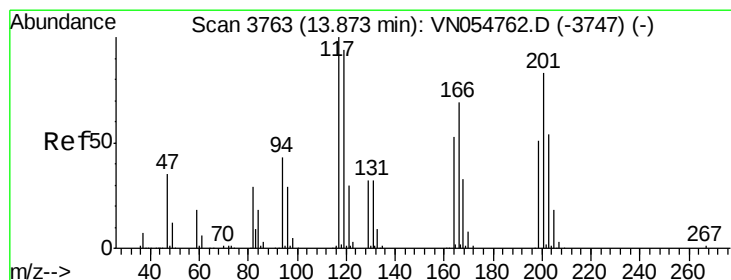
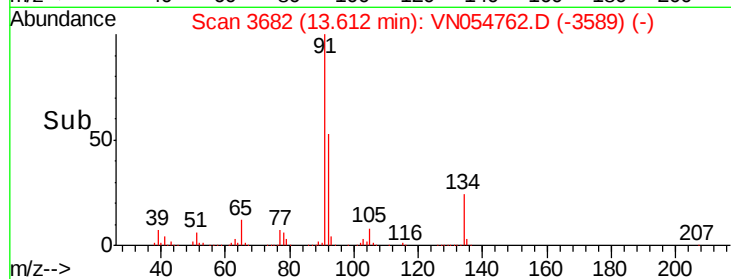
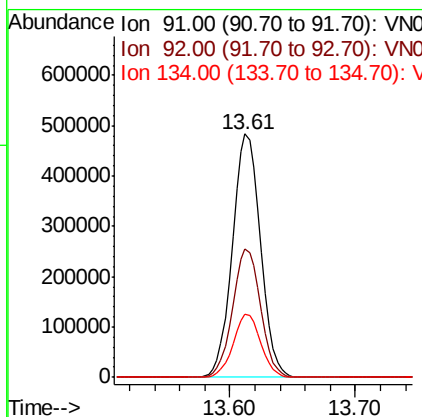
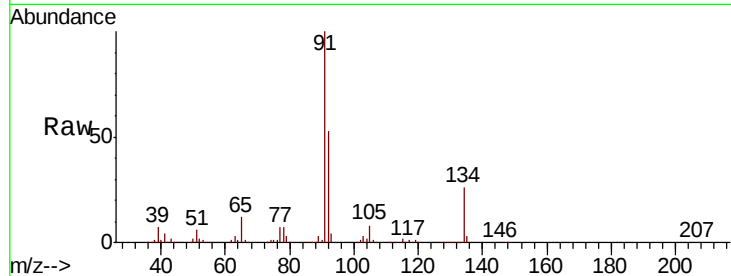
#89
n-Butylbenzene
Concen: 49.006 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.6
134	25.5	14.3	42.9

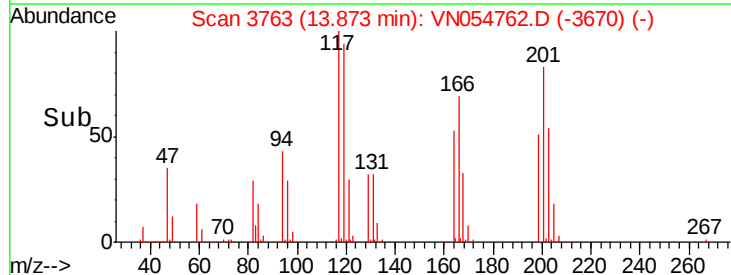
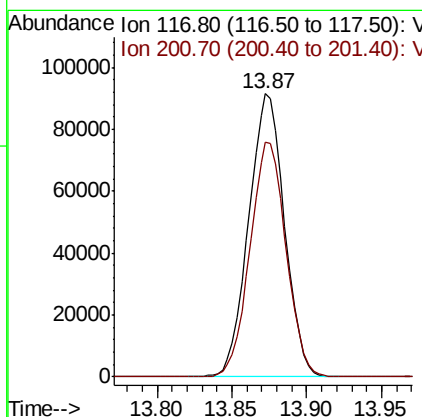
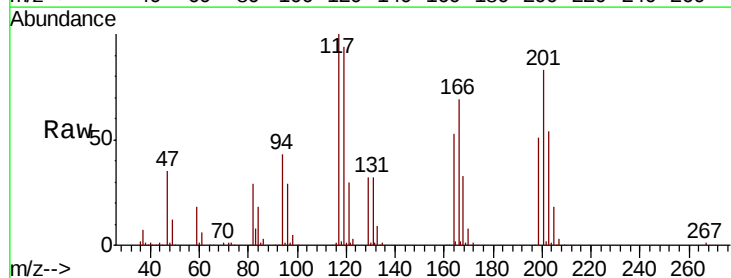
Manual Integrations
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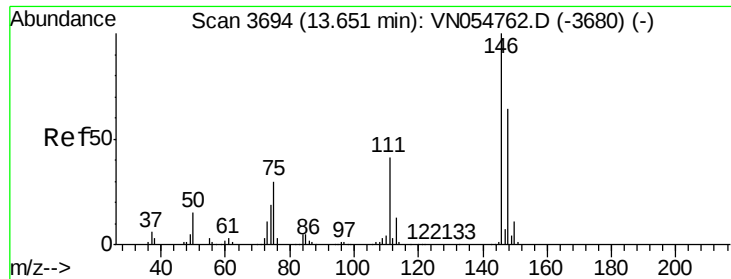
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#90
Hexachloroethane
Concen: 47.756 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 47.006 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 457739

Ion Ratio Lower Upper

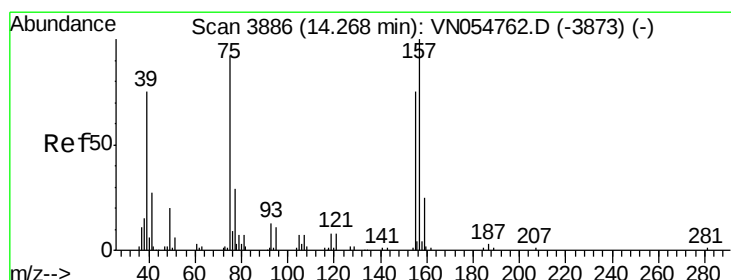
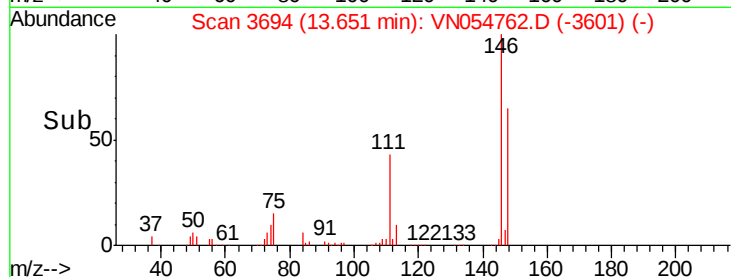
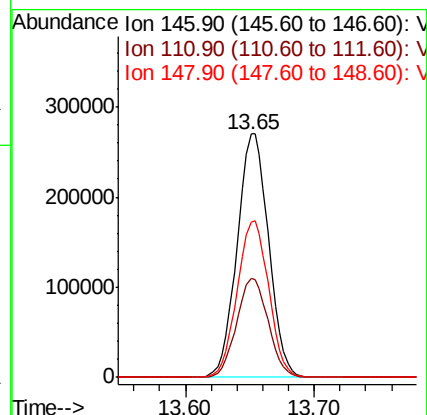
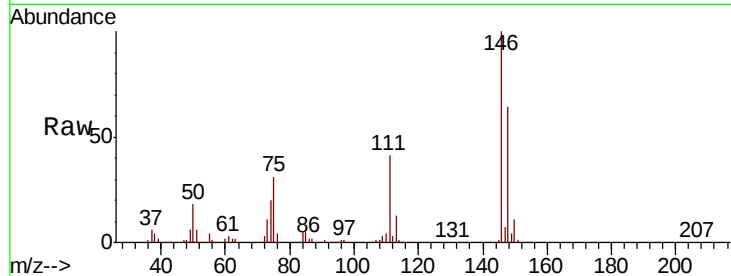
146 100

111 40.7 19.1 57.3

148 64.5 32.4 97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.942 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

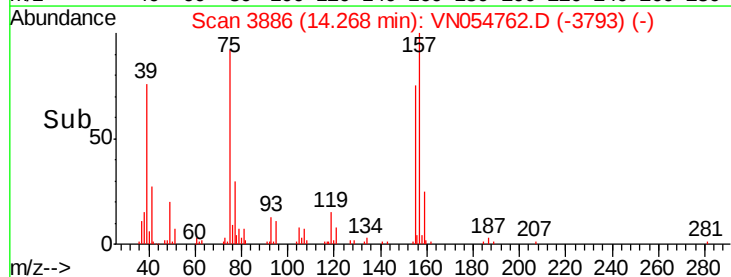
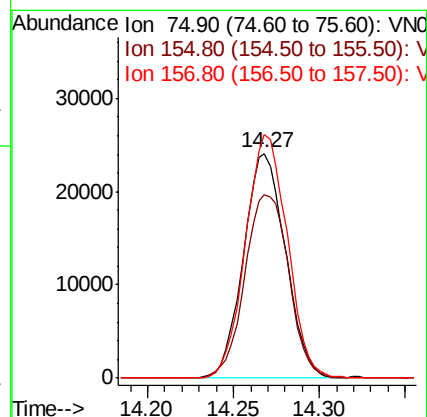
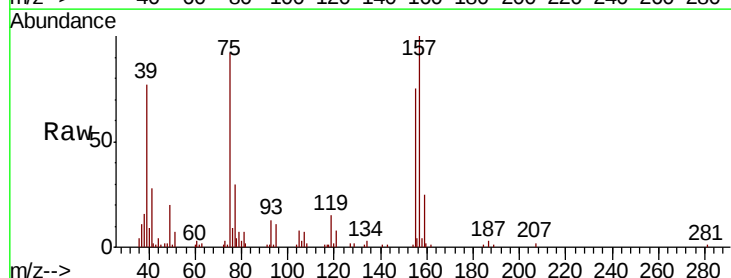
Tgt Ion: 75 Resp: 40769

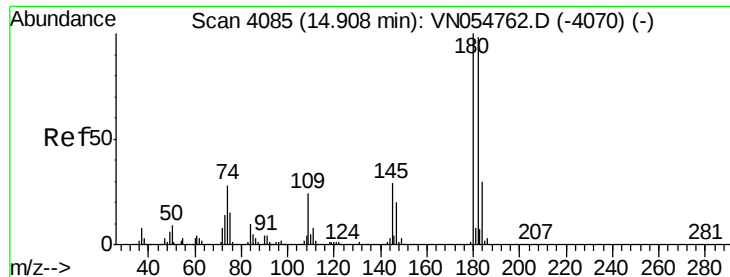
Ion Ratio Lower Upper

75 100

155 85.2 50.1 150.3

157 108.0 63.1 189.3





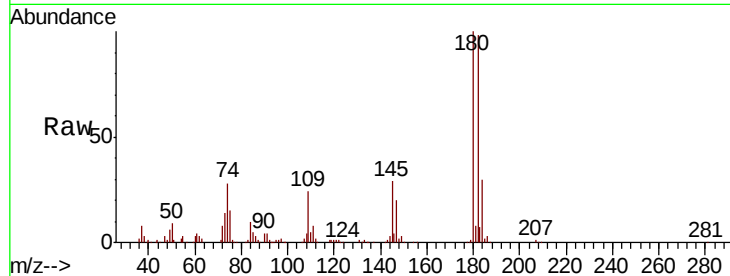
#93
 1,2,4-Trichlorobenzene
 Concen: 50.356 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	236402		
182	95.8	48.0	144.2	
145	28.7	14.2	42.8	

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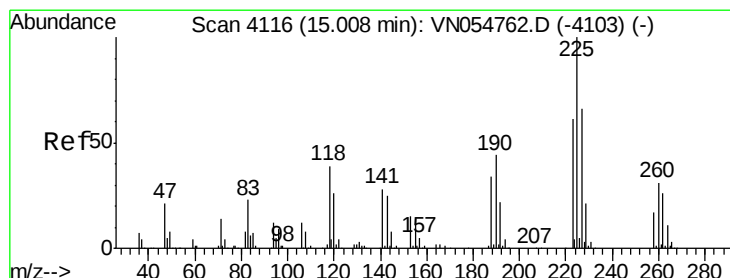
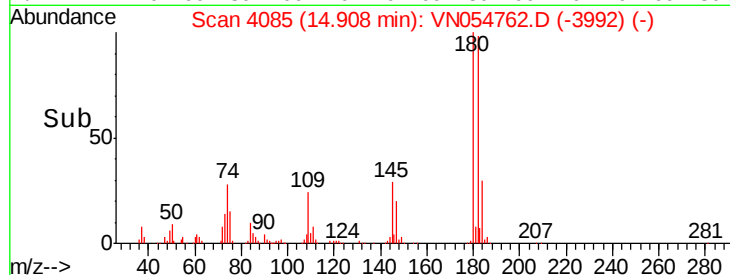
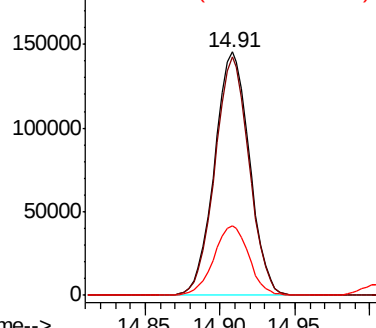


Abundance

Ion 179.80 (179.50 to 180.50): V

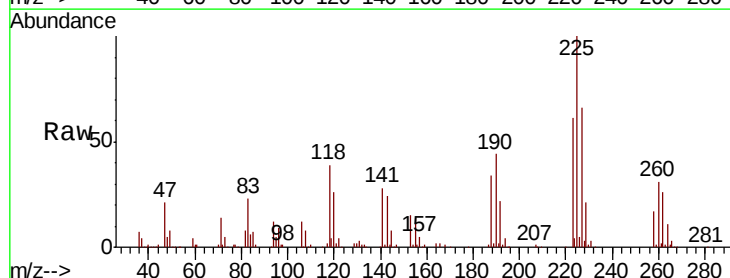
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.233 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143241		
223	61.6	31.1	93.5	
227	64.1	31.9	95.9	

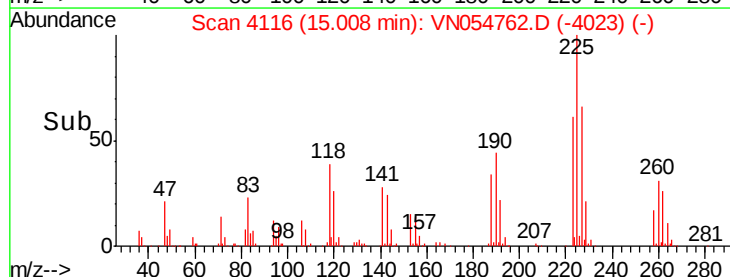
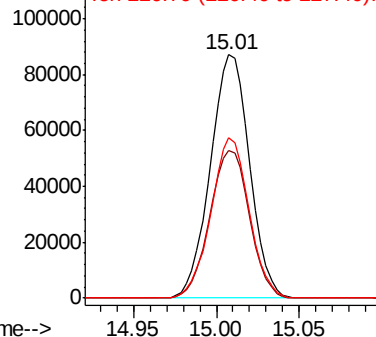


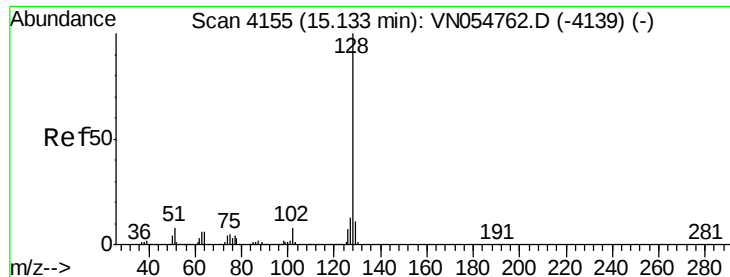
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.490 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

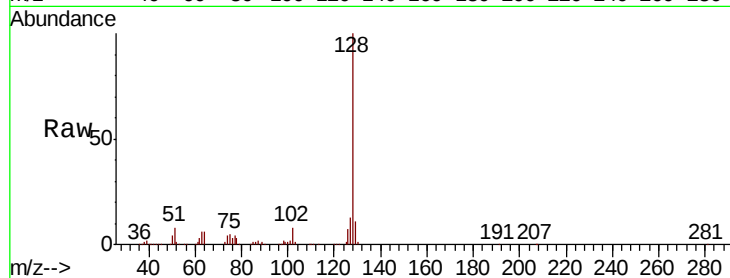
ClientSampleId :

VSTDICCC050

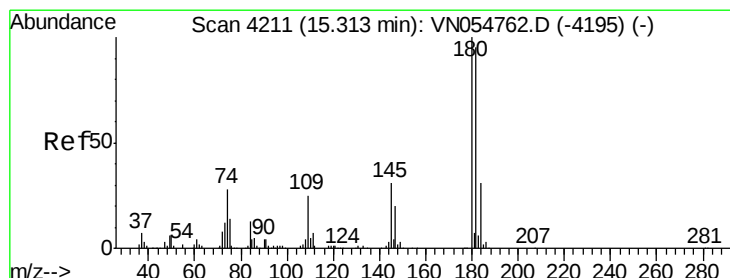
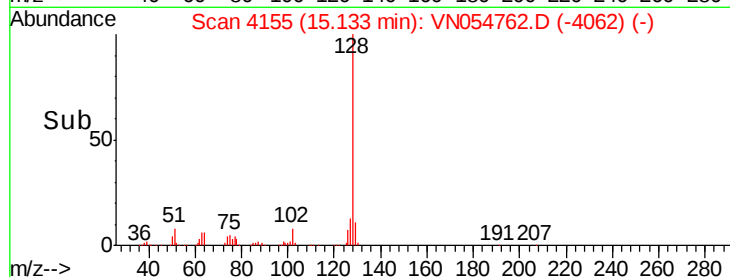
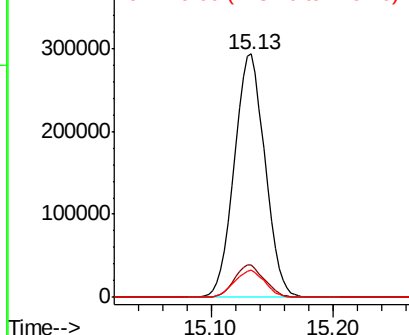
Tot Ion:	128	Resp:	510559
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.215 ug/l

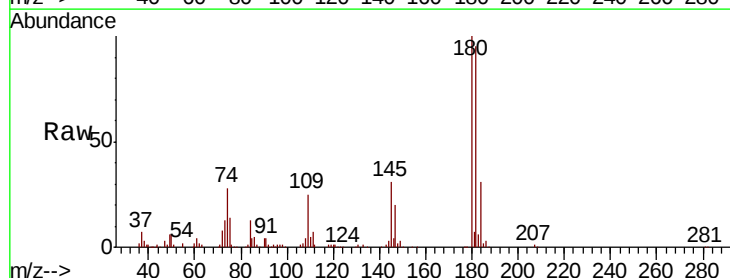
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion:	180	Resp:	233342
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	30.4	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

