

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054761.D
 Acq On : 29 Mar 2019 10:53
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:02 PM

Quant Time: Mar 30 00:22:33 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	456188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	753746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	140353	22.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.64%	
35) Dibromofluoromethane	7.60	113	114397	22.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.52%	
50) Toluene-d8	10.09	98	412353	22.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.14%	
62) 4-Bromofluorobenzene	12.40	95	127493	20.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90119	19.530	ug/l	100
3) Chloromethane	2.06	50	123180	19.306	ug/l	100
4) Vinyl Chloride	2.19	62	113014	19.725	ug/l	98
5) Bromomethane	2.58	94	65355	18.883	ug/l	98
6) Chloroethane	2.71	64	63144	19.736	ug/l	97
7) Trichlorofluoromethane	3.03	101	139374	19.786	ug/l	100
8) Diethyl Ether	3.41	74	45287	19.966	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74330	21.346	ug/l	91
10) Methyl Iodide	3.95	142	104322	20.551	ug/l #	90
11) Tert butyl alcohol	4.81	59	29568	91.369	ug/l	99
12) 1,1-Dichloroethene	3.73	96	72709	20.276	ug/l #	75
13) Acrolein	3.61	56	28169	98.344	ug/l	97
14) Allyl chloride	4.32	41	168866	19.298	ug/l #	93
15) Acrylonitrile	5.00	53	174168	97.798	ug/l	98
16) Acetone	3.82	43	154638	105.451	ug/l #	82
17) Carbon Disulfide	4.04	76	214853	18.473	ug/l	99
18) Methyl Acetate	4.34	43	74940	17.695	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	246761	19.672	ug/l	94
20) Methylene Chloride	4.55	84	99433	19.222	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	91950	19.522	ug/l	87
22) Diisopropyl ether	5.96	45	350736	20.077	ug/l #	93
23) Vinyl Acetate	5.90	43	1215785	102.416	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	187153	20.083	ug/l	98
25) 2-Butanone	6.85	43	223028	102.887	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	127420	19.509	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105674	19.860	ug/l	88
28) Bromochloromethane	7.20	49	90388	19.398	ug/l #	69
29) Tetrahydrofuran	7.22	42	144012	95.525	ug/l #	83
30) Chloroform	7.37	83	179482	20.199	ug/l	98
31) Cyclohexane	7.65	56	180030	16.788	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	146304	19.868	ug/l	96
36) 1,1-Dichloropropene	7.79	75	136254	19.804	ug/l	95
37) Ethyl Acetate	6.94	43	101294	20.042	ug/l #	94
38) Carbon Tetrachloride	7.77	117	126206	18.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	150936	19.547	ug/l	87
40) Benzene	8.04	78	391583	19.485	ug/l	99
41) Methacrylonitrile	7.18	41	53570	18.515	ug/l	89
42) 1,2-Dichloroethane	8.13	62	141583	19.731	ug/l	97
43) Isopropyl Acetate	8.17	43	167046	19.961	ug/l #	93
44) Trichloroethene	8.83	130	104985	20.124	ug/l	95
45) 1,2-Dichloropropane	9.12	63	112404	19.615	ug/l	96
46) Dibromomethane	9.21	93	62587	19.415	ug/l	89
47) Bromodichloromethane	9.40	83	133423	19.915	ug/l	98
48) Methyl methacrylate	9.20	41	83498	18.406	ug/l	87
49) 1,4-Dioxane	9.20	88	18455	409.998	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	457165	97.163	ug/l	92
52) Toluene	10.16	92	230595	19.283	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	119017	18.885	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	149978	19.922	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	88577	19.920	ug/l	97
56) Ethyl methacrylate	10.43	69	108202	18.550	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	151562	19.826	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	210781	94.238	ug/l #	88
59) 2-Hexanone	10.75	43	286030	94.962	ug/l	92
60) Dibromochloromethane	10.90	129	88489	19.646	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81987	19.294	ug/l	99
64) Tetrachloroethene	10.63	164	98861	20.529	ug/l	95
65) Chlorobenzene	11.43	112	246895	20.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	93235	20.273	ug/l	98
67) Ethyl Benzene	11.51	91	441975	19.934	ug/l	99
68) m/p-Xylenes	11.62	106	330187	40.242	ug/l	95
69) o-Xylene	11.95	106	161758	20.104	ug/l	96
70) Styrene	11.96	104	261344	20.315	ug/l	95
71) Bromoform	12.13	173	52533	19.498	ug/l #	99
73) Isopropylbenzene	12.25	105	424762	19.404	ug/l	98
74) N-amyl acetate	12.07	43	126734	18.583	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	102870	18.923	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	91771m	20.406	ug/l	
77) Bromobenzene	12.53	156	102533	19.408	ug/l	84
78) n-propylbenzene	12.59	91	473804	19.693	ug/l	96
79) 2-Chlorotoluene	12.67	91	289364	19.440	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	348775	19.418	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20767	17.362	ug/l #	78
82) 4-Chlorotoluene	12.77	91	281161	19.447	ug/l	96
83) tert-Butylbenzene	12.99	119	306362	19.504	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	346125	20.227	ug/l	98
85) sec-Butylbenzene	13.17	105	384865	19.725	ug/l	98
86) p-Isopropyltoluene	13.29	119	338929	19.694	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	171352	19.372	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	167339	19.289	ug/l	97
89) n-Butylbenzene	13.61	91	269749	19.212	ug/l	96
90) Hexachloroethane	13.87	117	53586	18.340	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	172197	19.290	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14484	19.355	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75953	17.648	ug/l	98
94) Hexachlorobutadiene	15.01	225	55133	18.992	ug/l	100
95) Naphthalene	15.13	128	167839	17.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	80386	18.495	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: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 456188

Ion Ratio Lower Upper

168 100

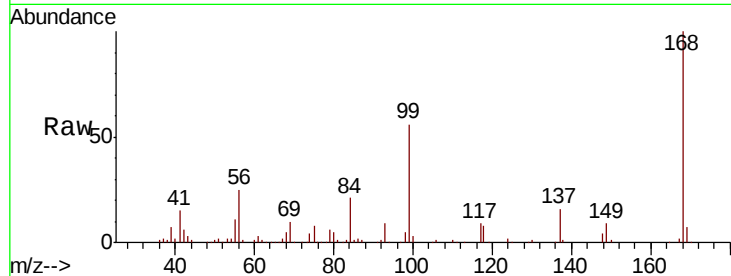
99 54.6 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

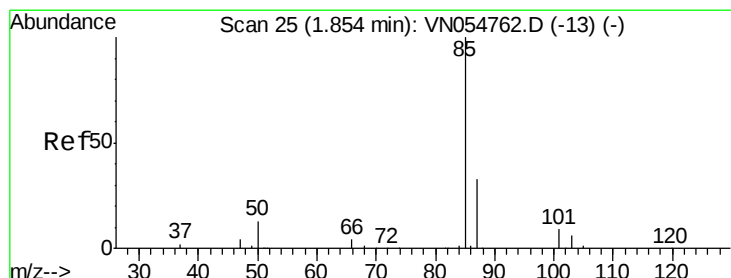
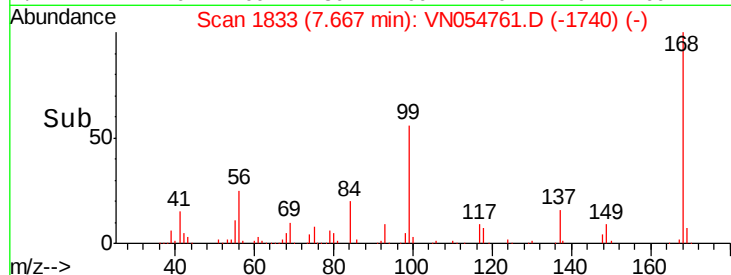
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.530 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054761.D

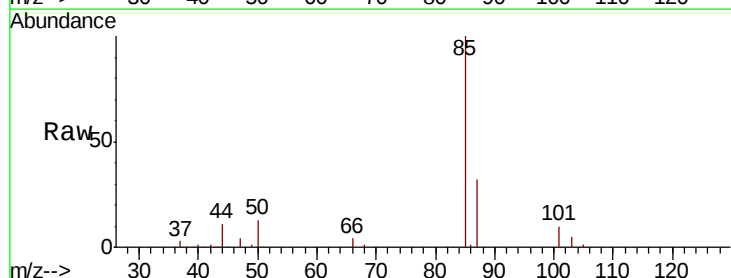
Acq: 29 Mar 2019 10:53

Tgt Ion: 85 Resp: 90119

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

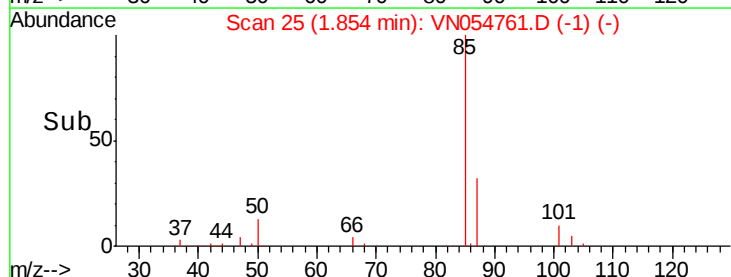
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.306 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 123180

Ion Ratio Lower Upper

50 100

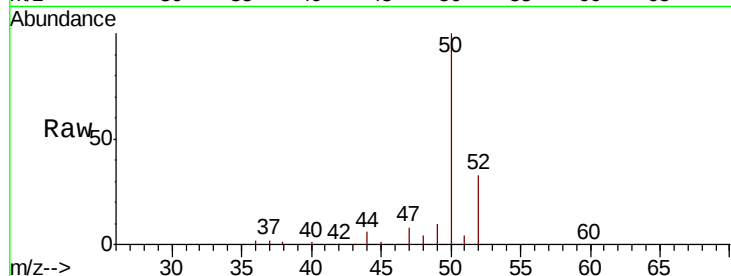
52 33.2 26.4 39.6

Manual Integrations

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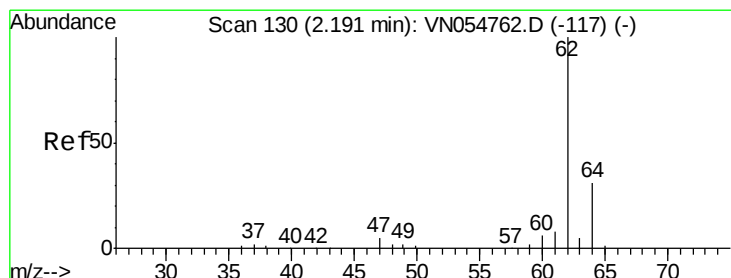
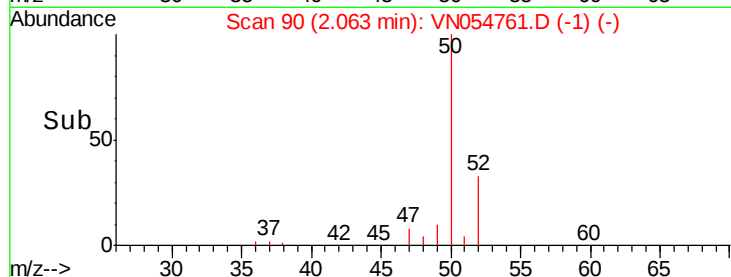
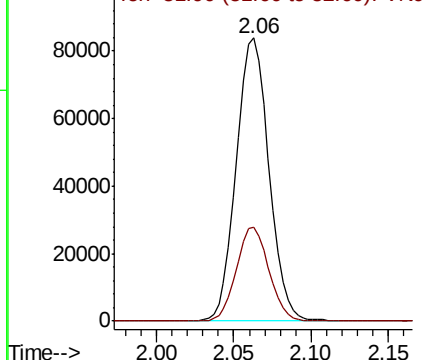
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.725 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054761.D

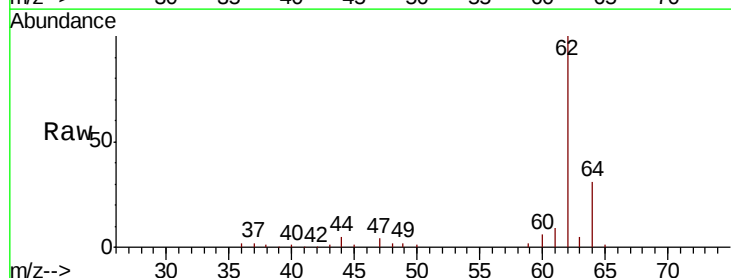
Acq: 29 Mar 2019 10:53

Tgt Ion: 62 Resp: 113014

Ion Ratio Lower Upper

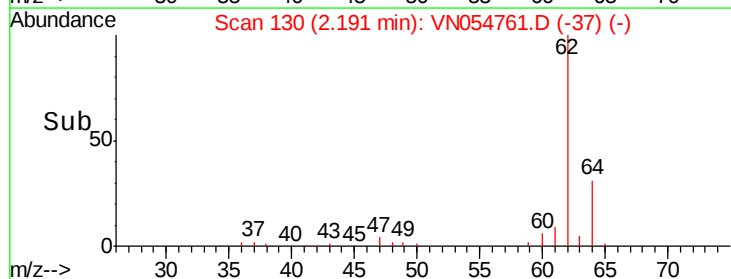
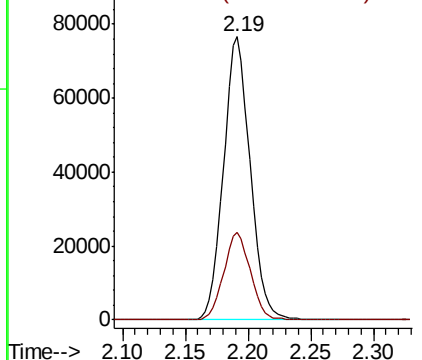
62 100

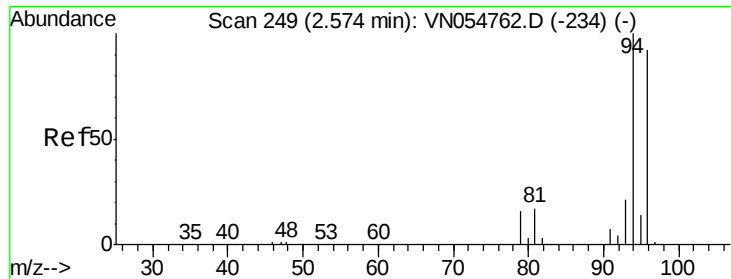
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.883 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 65355

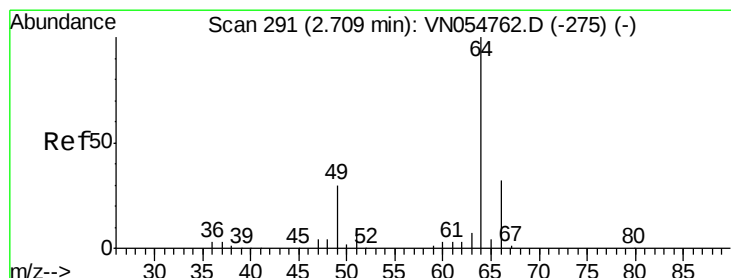
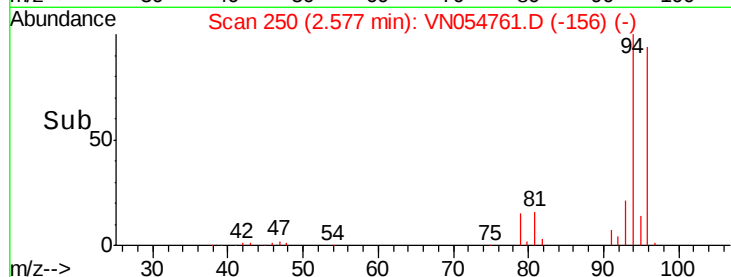
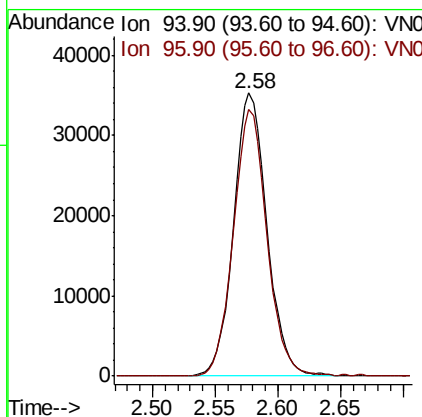
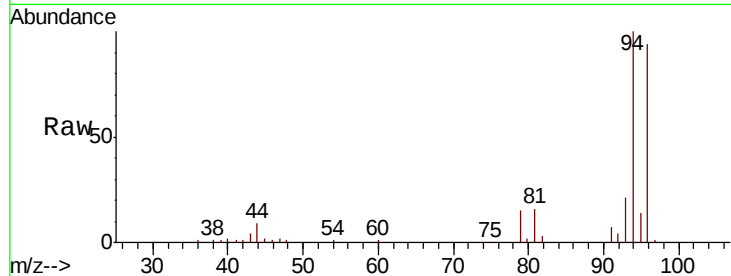
Ion Ratio Lower Upper

94 100

96 94.0 77.0 115.4

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#6

Chloroethane

Concen: 19.736 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054761.D

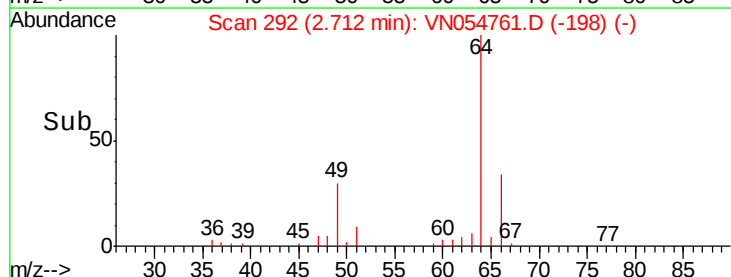
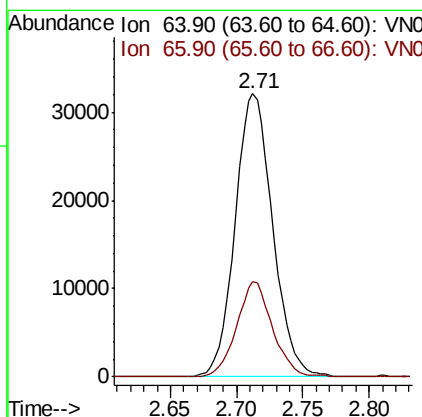
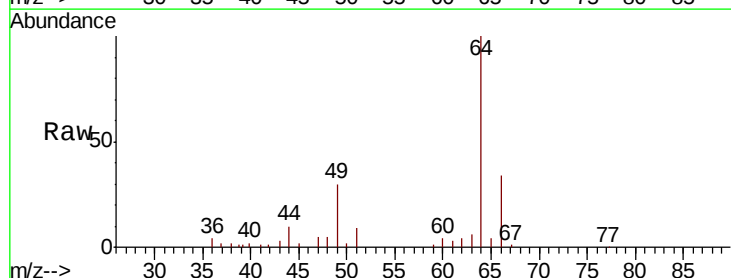
Acq: 29 Mar 2019 10:53

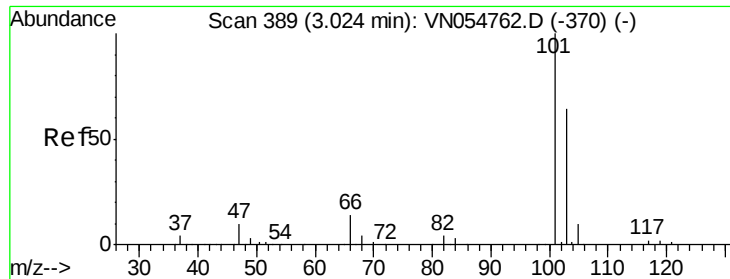
Tgt Ion: 64 Resp: 63144

Ion Ratio Lower Upper

64 100

66 33.8 25.7 38.5





#7

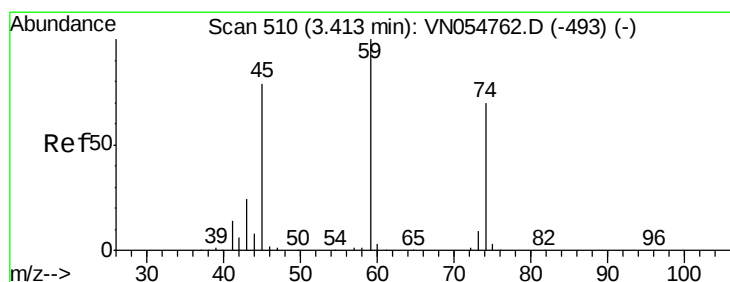
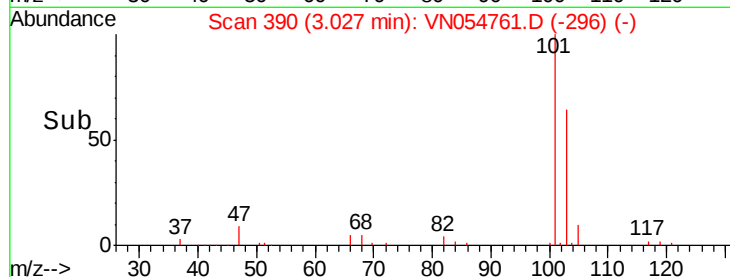
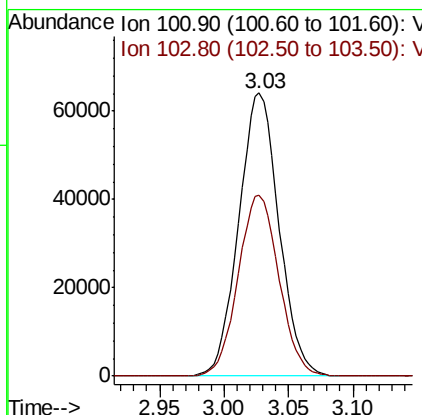
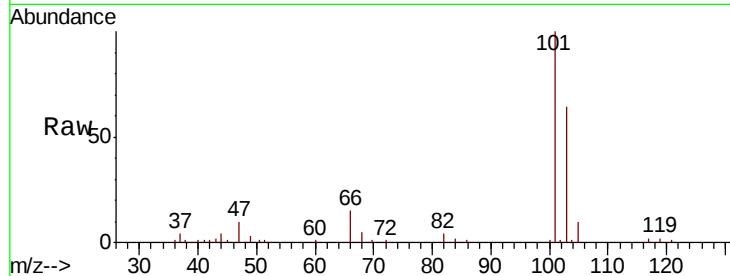
Trichlorofluoromethane
Concen: 19.786 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054761.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.4	77.2

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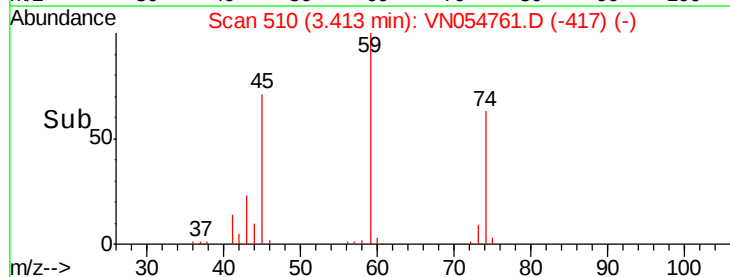
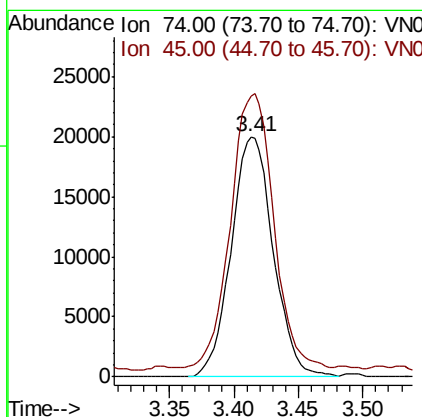
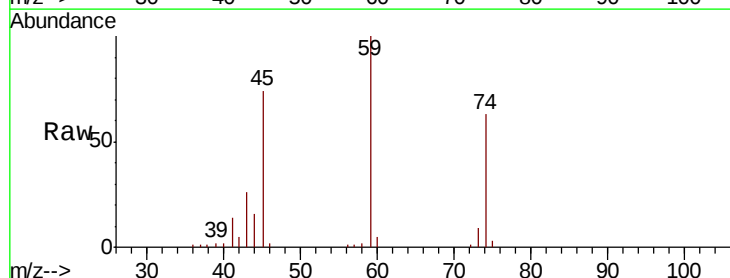
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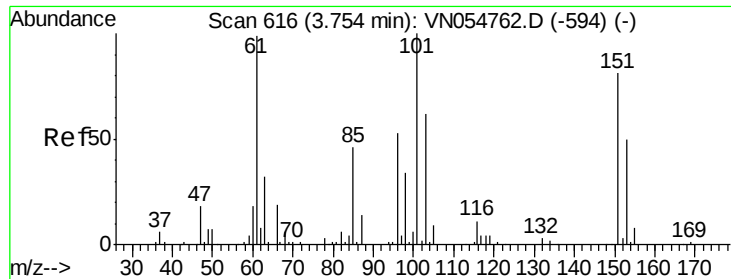


#8

Diethyl Ether
Concen: 19.966 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.346 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

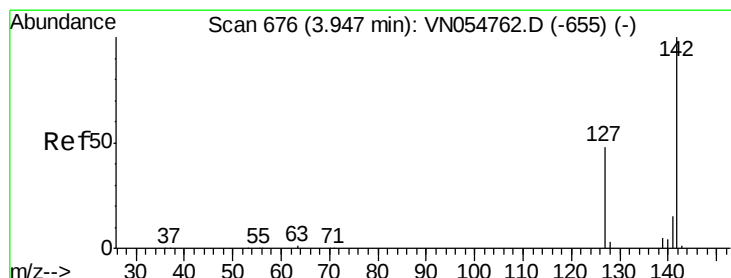
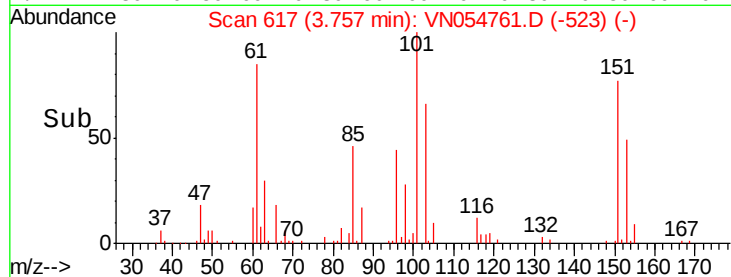
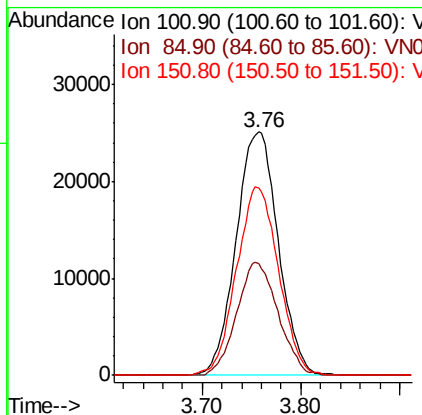
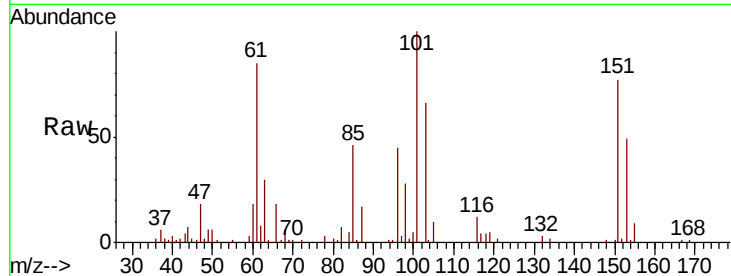
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	74330
Ion Ratio	Lower	Upper	
101	100		
85	45.5	32.4	48.6
151	77.3	68.2	102.2

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#10

Methyl Iodide

Concen: 20.551 ug/l

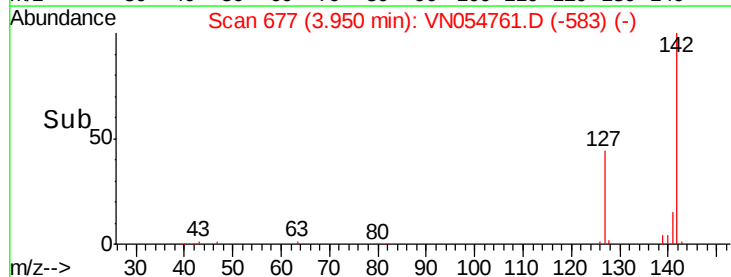
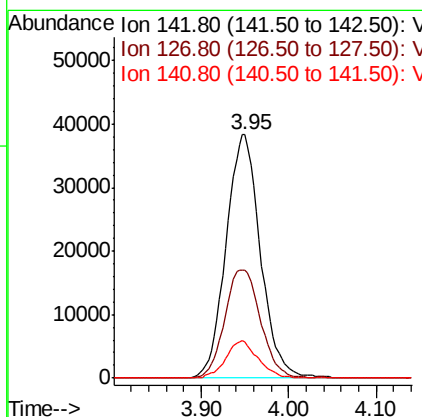
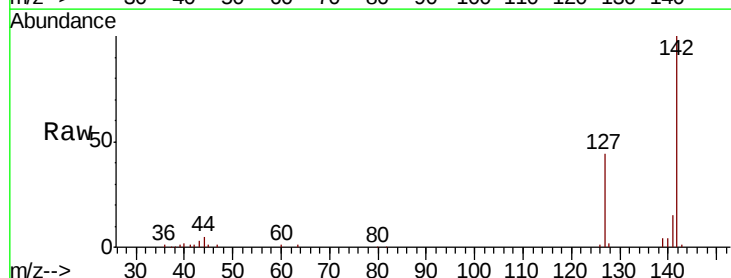
RT: 3.95 min Scan# 677

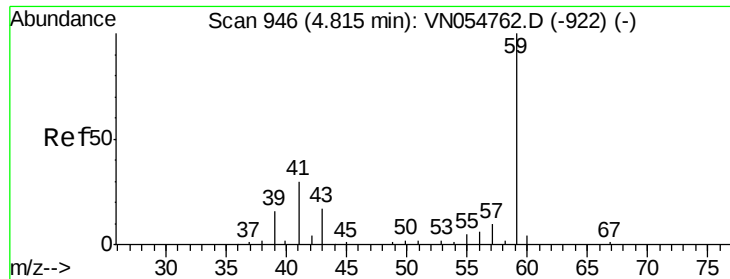
Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Tgt Ion:	142	Resp:	104322
Ion Ratio	Lower	Upper	
142	100		
127	46.3	30.3	45.5#
141	14.4	11.2	16.8





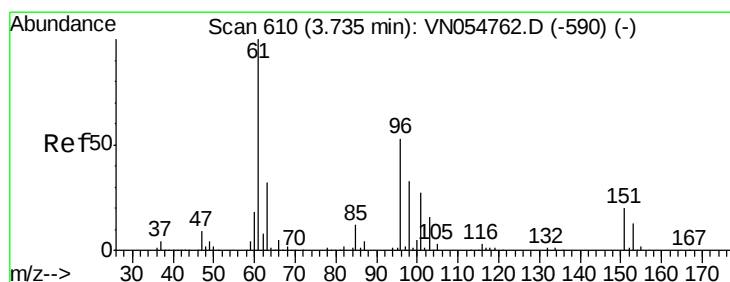
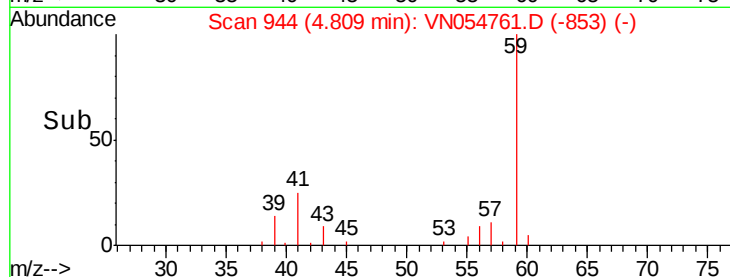
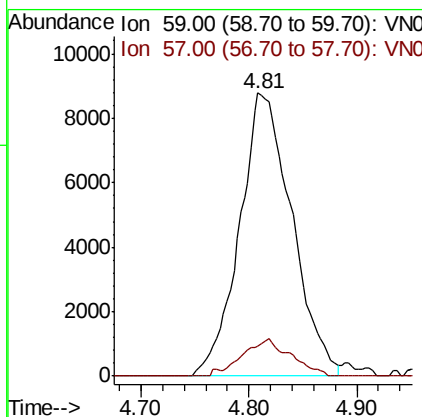
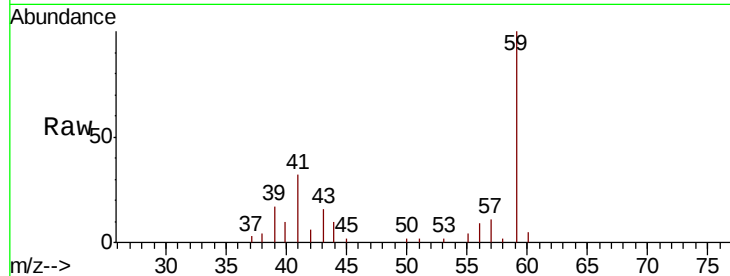
#11
Tert butyl alcohol
Concen: 91.369 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.0	13.6

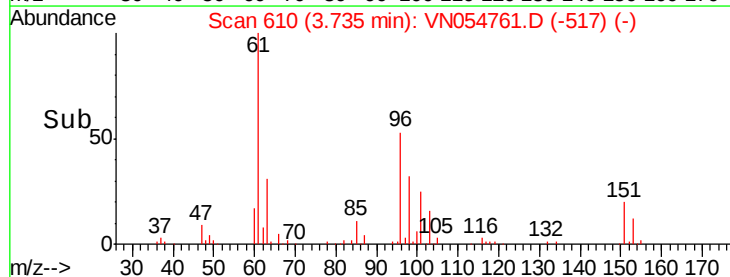
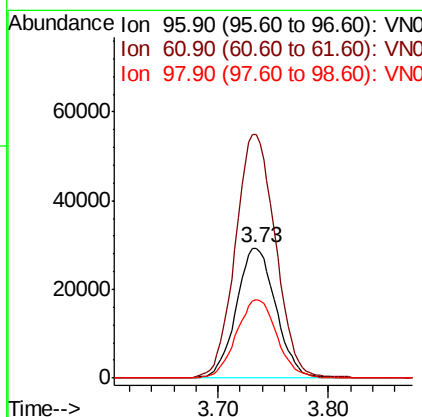
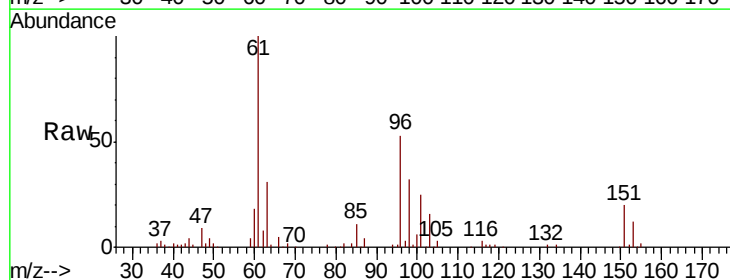
Manual Integrations
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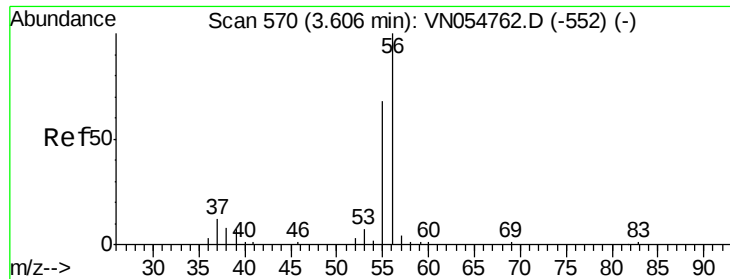
MMDadoda
4/1/2019 4:00:02 PM



#12
1,1-Dichloroethene
Concen: 20.276 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	116.5	174.7#
98	60.5	51.0	76.4





#13

Acrolein

Concen: 98.344 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 28169

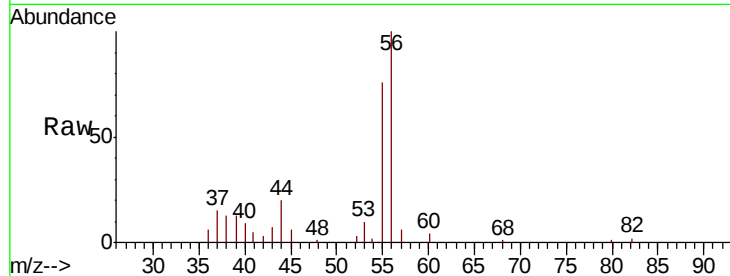
Ion Ratio Lower Upper

56 100

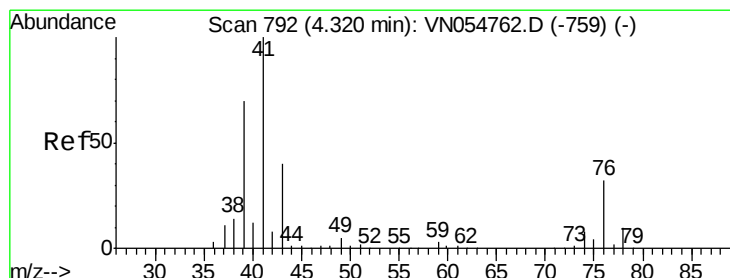
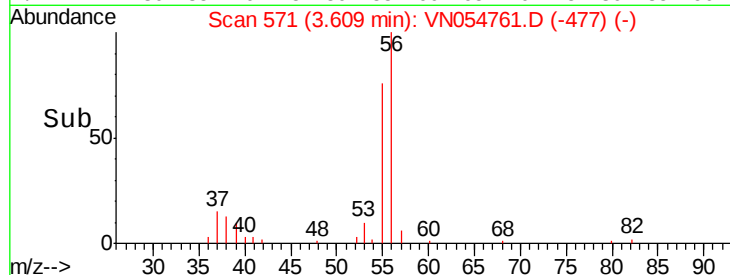
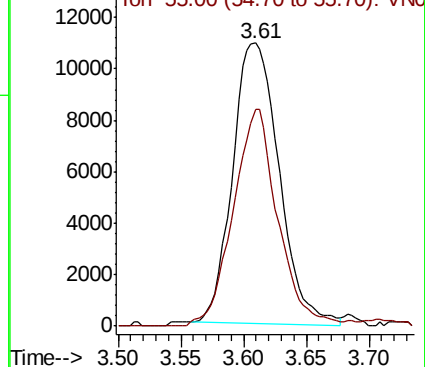
55 73.8 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN054761.D (-477) (-)



#14

Allyl chloride

Concen: 19.298 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

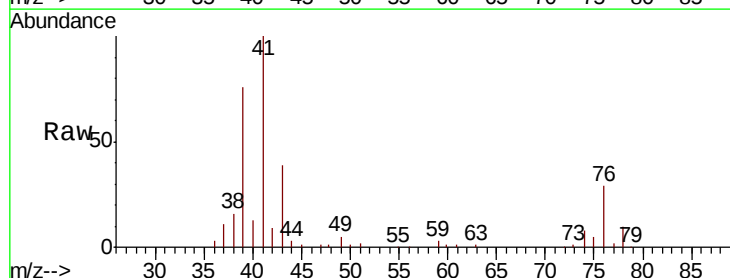
Tgt Ion: 41 Resp: 168866

Ion Ratio Lower Upper

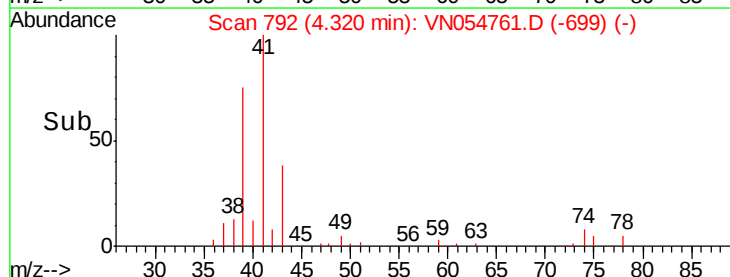
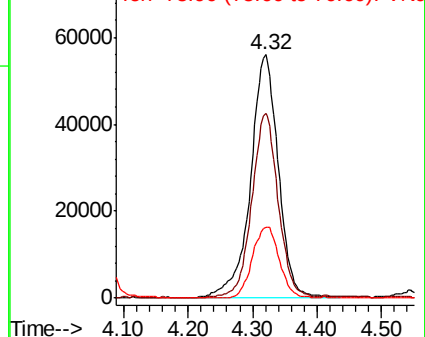
41 100

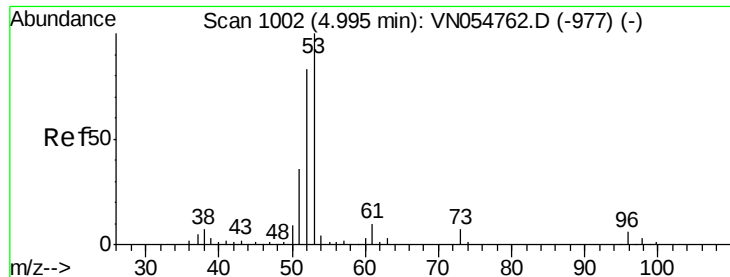
39 72.0 58.2 87.4

76 28.2 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN054761.D (-699) (-)





#15

Acrylonitrile

Concen: 97.798 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

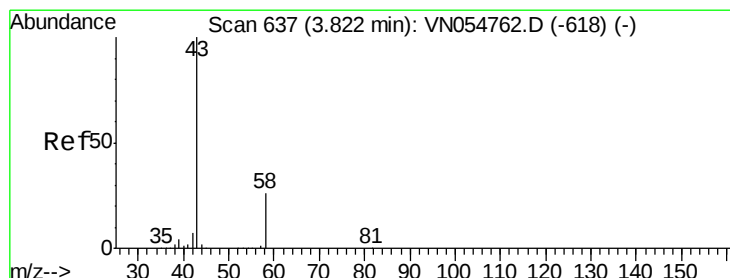
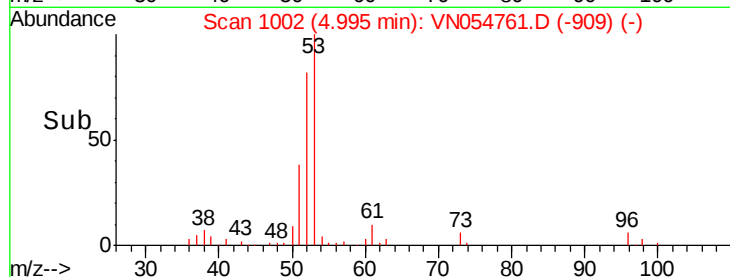
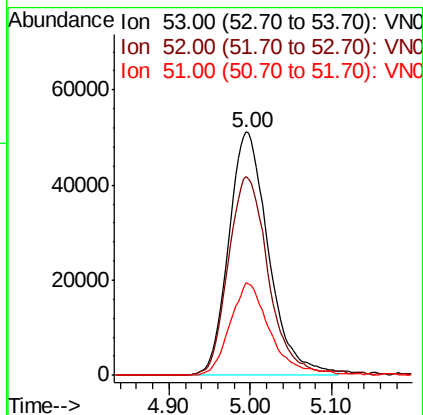
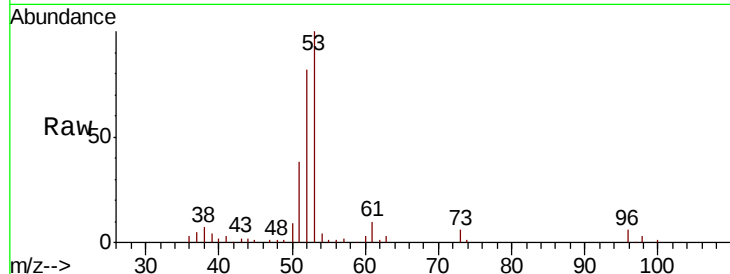
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	174168
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.4	99.6
51	38.2	29.6	44.4

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#16

Acetone

Concen: 105.451 ug/l

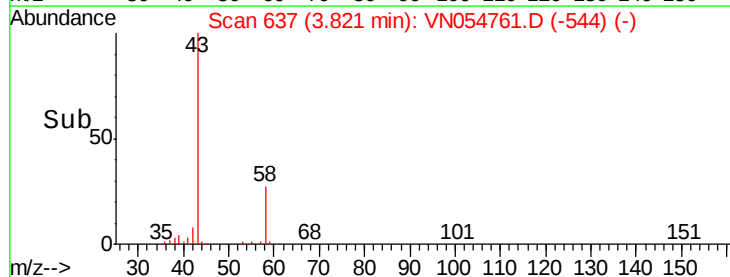
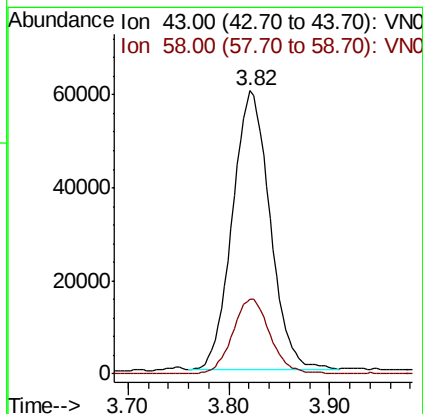
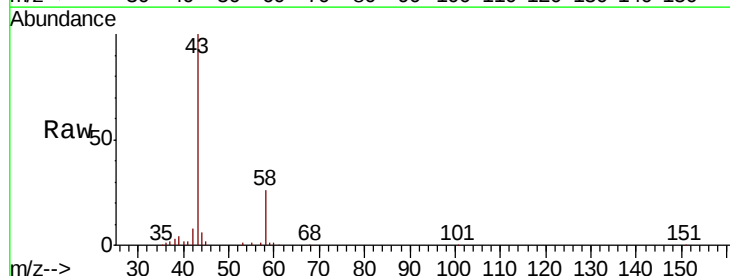
RT: 3.82 min Scan# 637

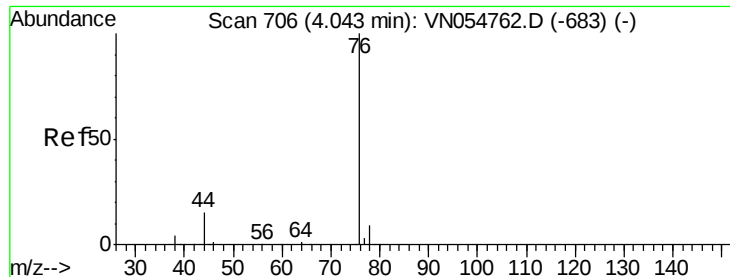
Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Tgt Ion:	43	Resp:	154638
Ion	Ratio	Lower	Upper
43	100		
58	26.9	29.9	44.9#





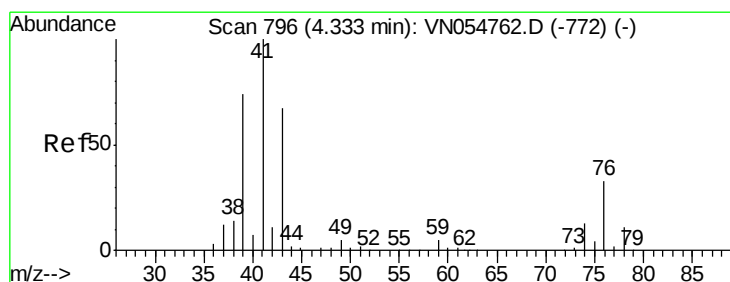
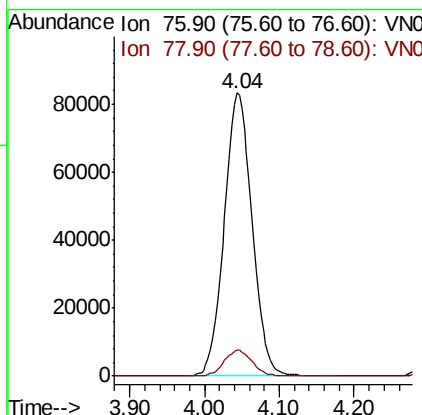
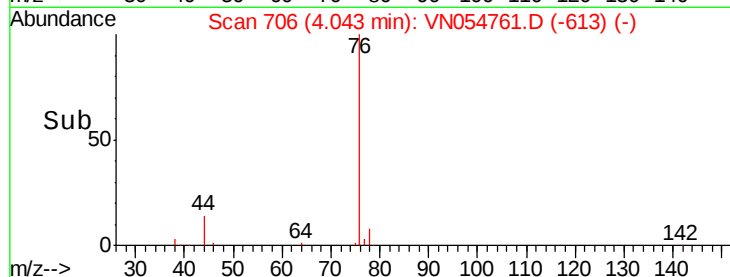
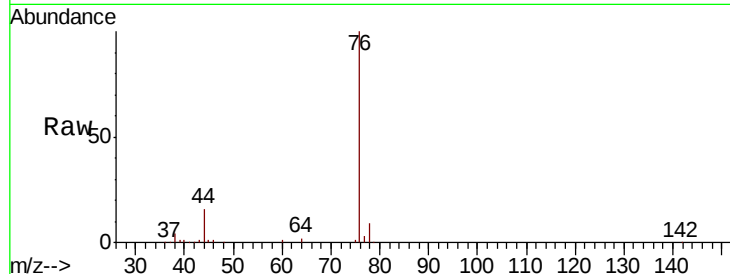
#17
Carbon Disulfide
Concen: 18.473 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	76	Resp	214853
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

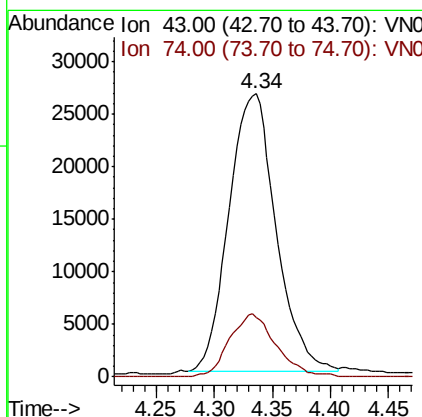
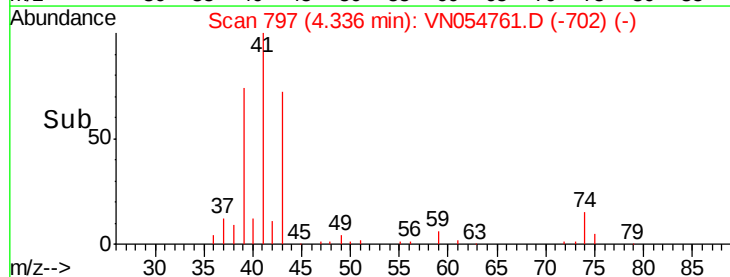
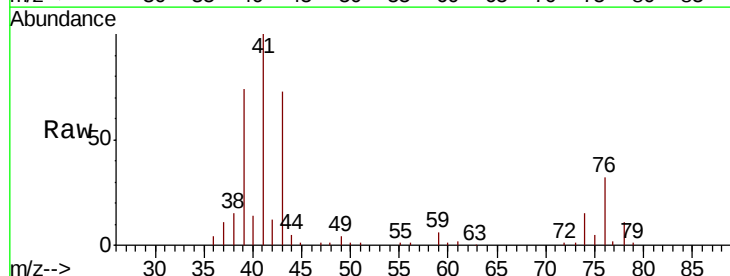
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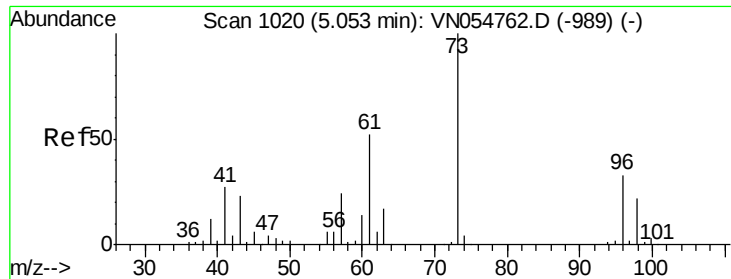
MMDadoda
4/1/2019 4:00:02 PM



#18
Methyl Acetate
Concen: 17.695 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	43	Resp	74940
Ion	Ratio	Lower	Upper
43	100		
74	22.1	20.8	31.2





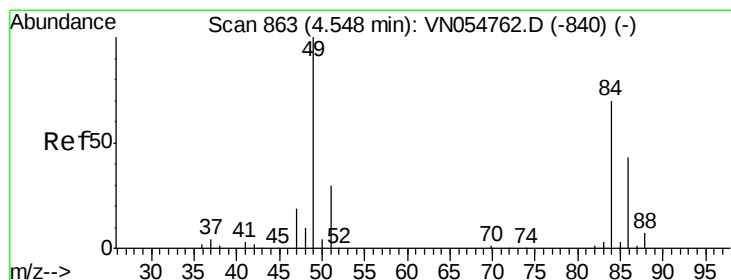
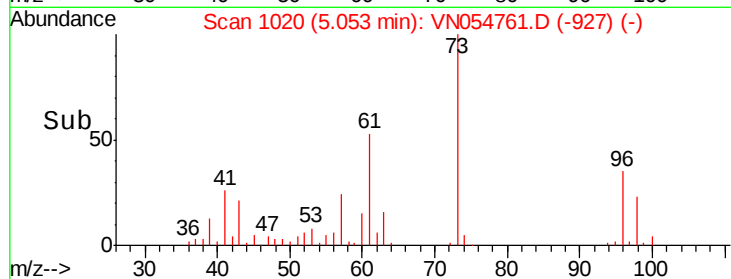
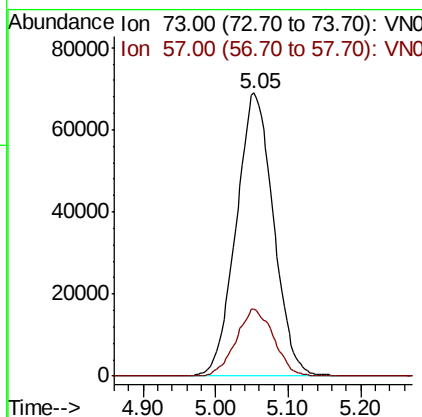
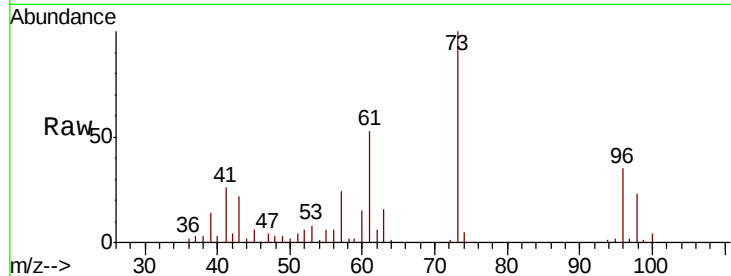
#19
Methvl tert-butvl Ether
Concen: 19.672 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 246761
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2

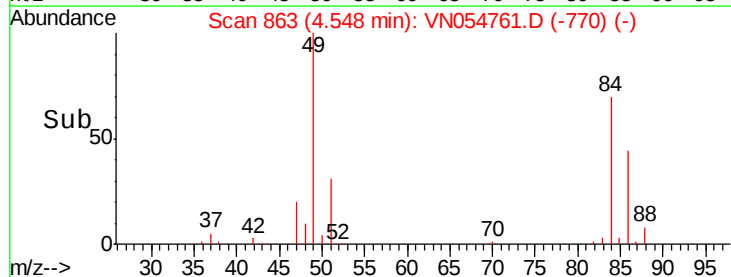
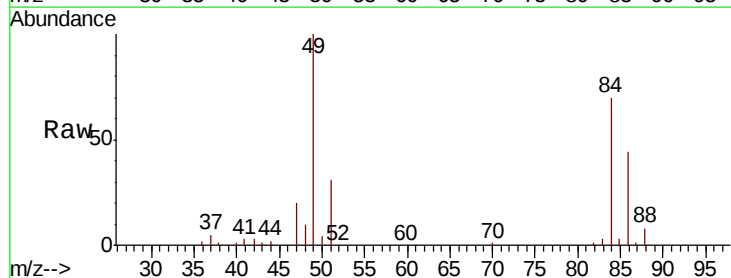
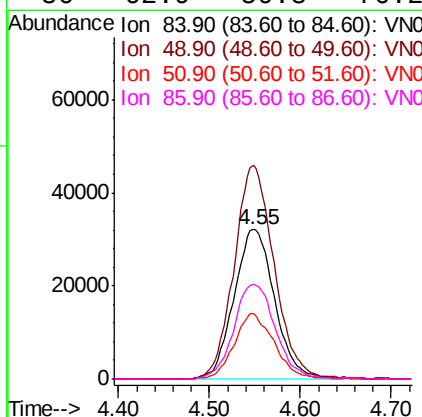
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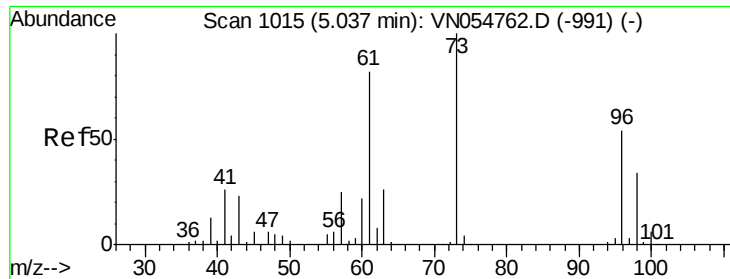
MMDadoda
4/1/2019 4:00:02 PM



#20
Methylene Chloride
Concen: 19.222 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion: 84 Resp: 99433
Ion Ratio Lower Upper
84 100
49 142.8 89.7 134.5#
51 43.9 28.2 42.4#
86 62.9 50.8 76.2





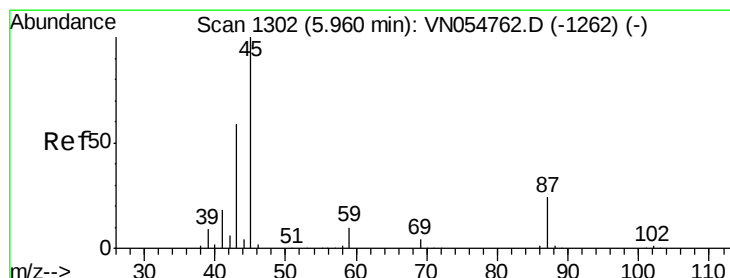
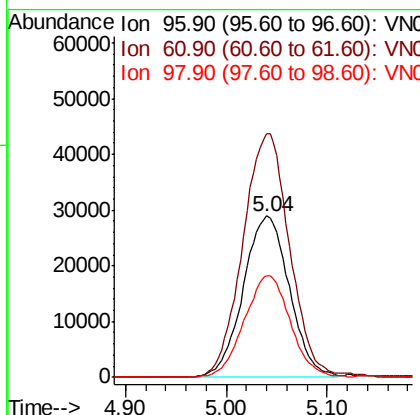
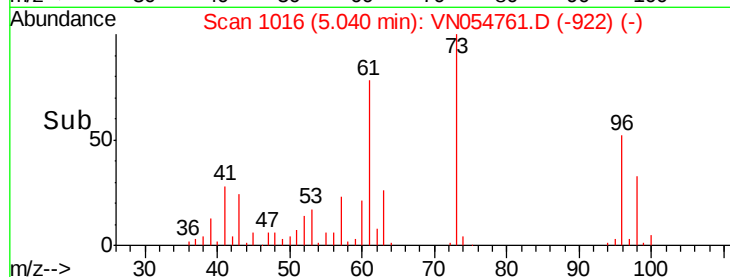
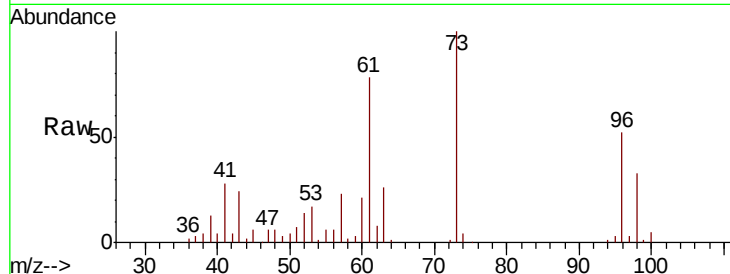
#21
trans-1,2-Dichloroethene
Concen: 19.522 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	102.8	154.2
98	63.2	50.0	75.0

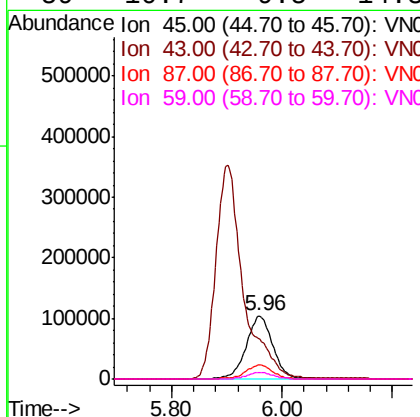
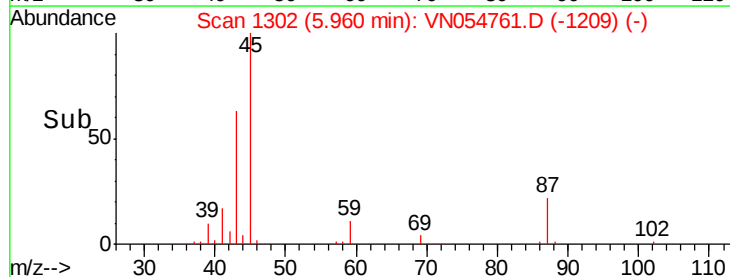
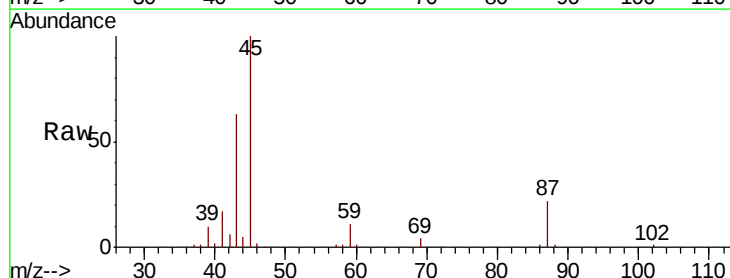
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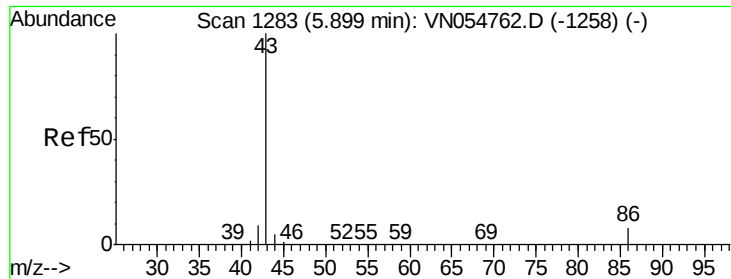
MMDadoda
4/1/2019 4:00:02 PM



#22
Diisopropyl ether
Concen: 20.077 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.2
87	21.7	24.9	37.3
59	10.7	9.5	14.3





#23

Vinyl Acetate

Concen: 102.416 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1215785

Ion Ratio Lower Upper

43 100

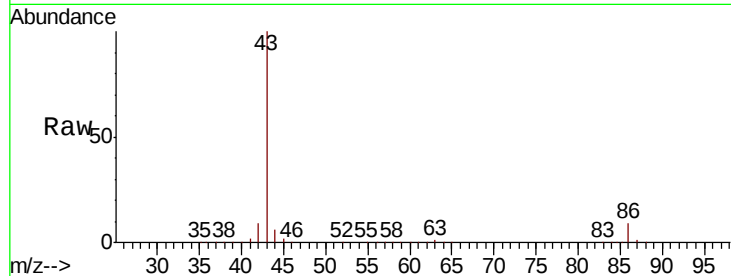
86 8.6 9.1 13.7#

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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

400000

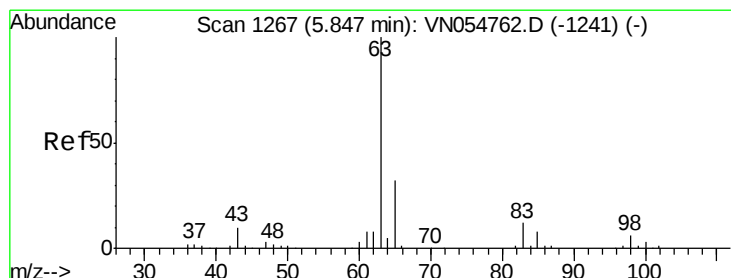
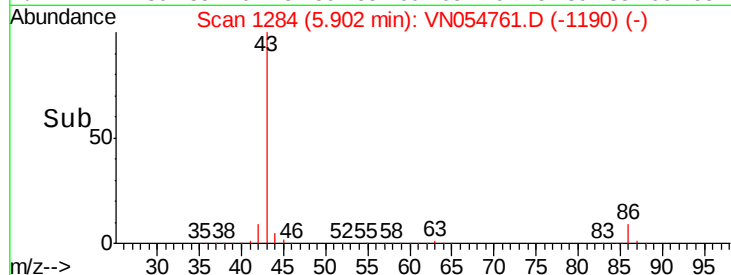
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.083 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

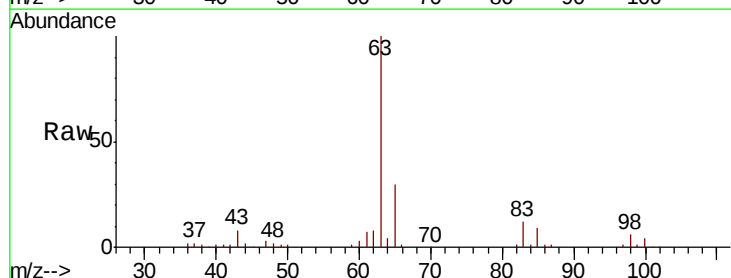
Tgt Ion: 63 Resp: 187153

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.0 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

80000

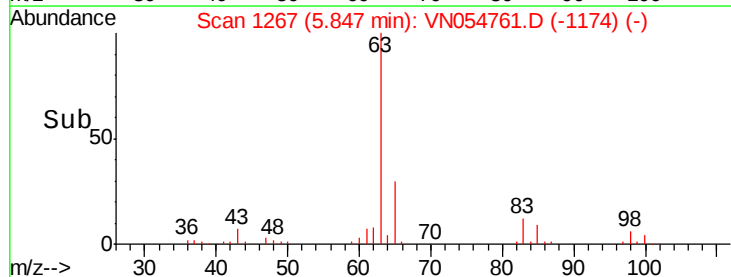
60000

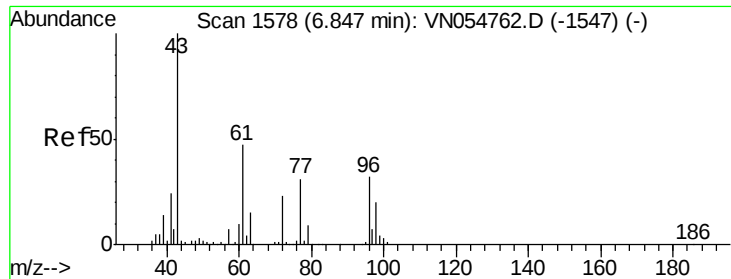
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





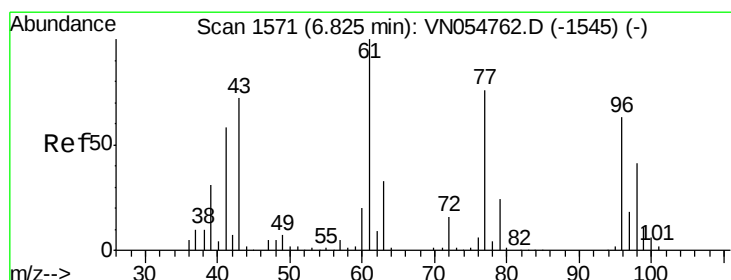
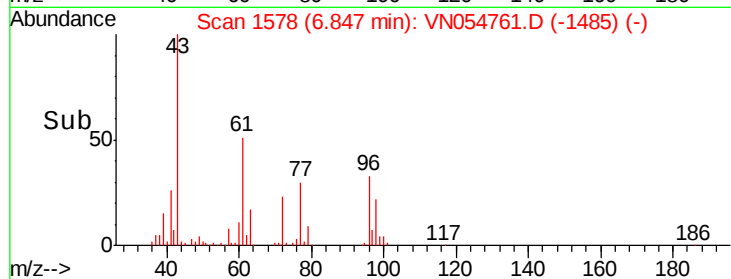
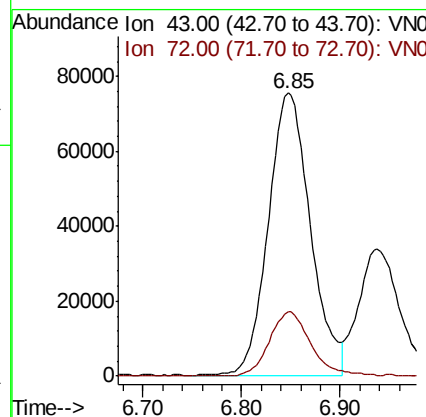
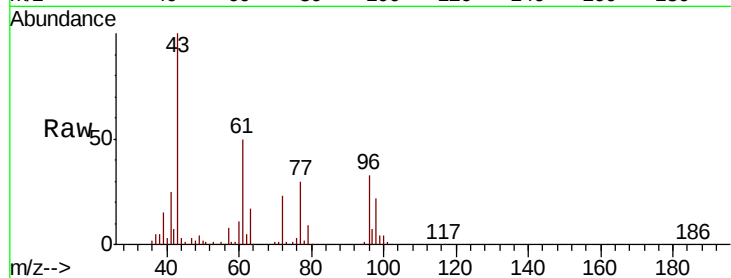
#25
2-Butanone
Concen: 102.887 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 223028
Ion Ratio Lower Upper
43 100
72 22.9 23.0 34.6#

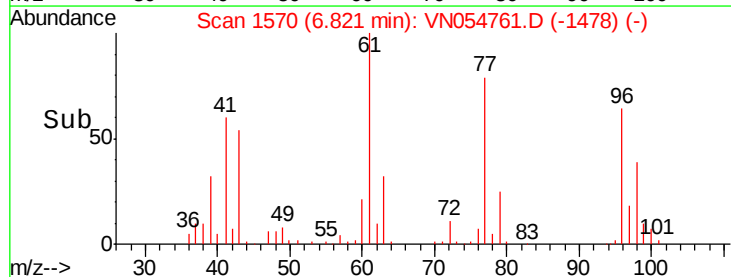
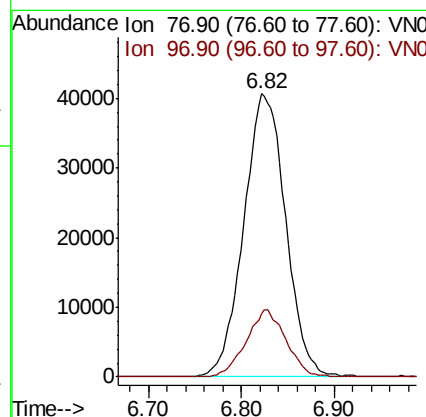
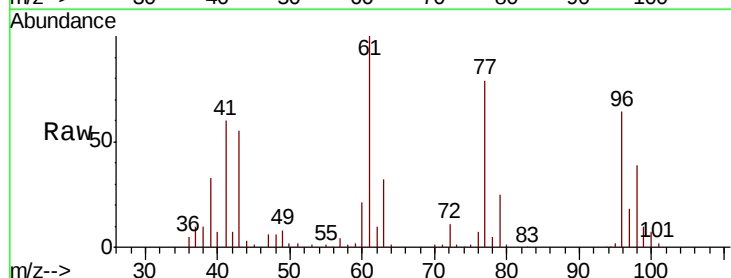
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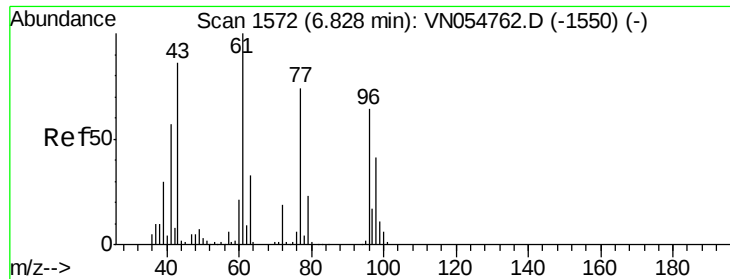
MMDadoda
4/1/2019 4:00:02 PM



#26
2,2-Dichloropropane
Concen: 19.509 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion: 77 Resp: 127420
Ion Ratio Lower Upper
77 100
97 22.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.860 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

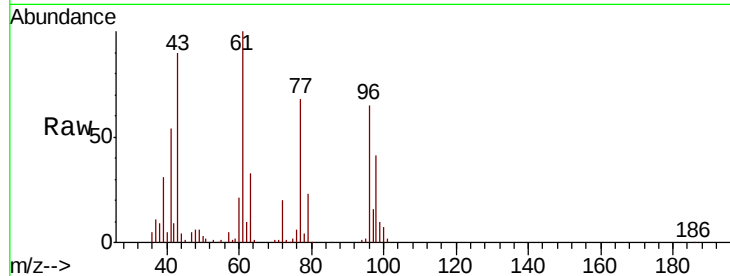
ClientSampleId :

VSTDIC020

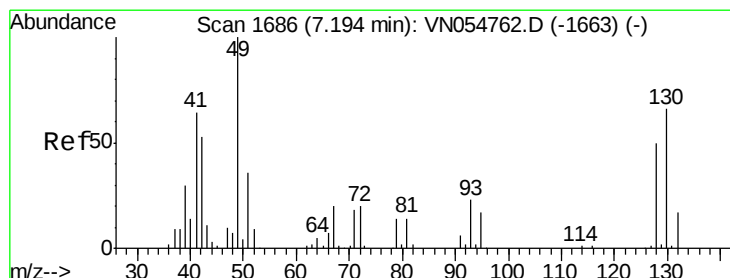
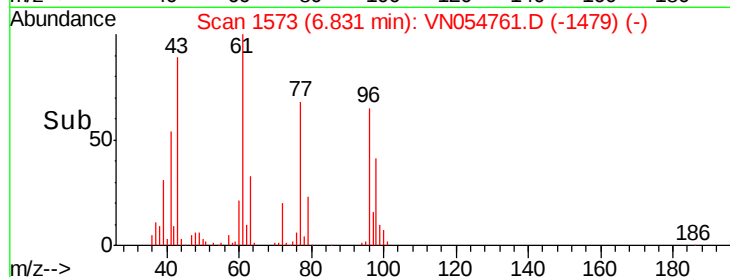
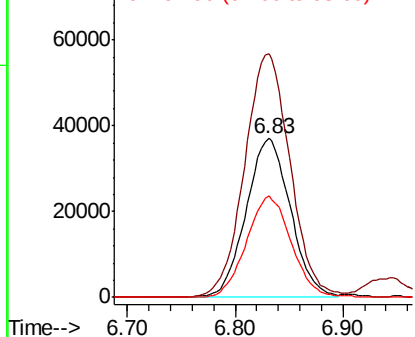
Tot Ion:	96	Resp:	105674
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	273.0
98	64.4	0.0	130.6

Manual Integrations
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MMDadoda
4/1/2019 4:00:02 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: 19.398 ug/l

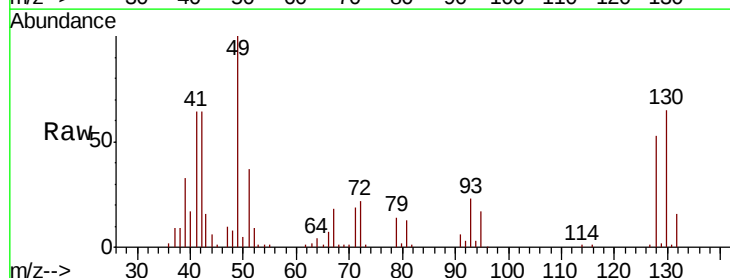
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

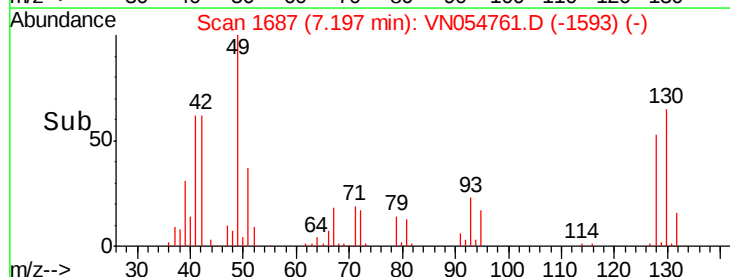
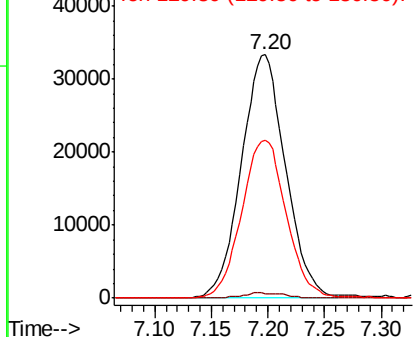
Lab File: VN054761.D

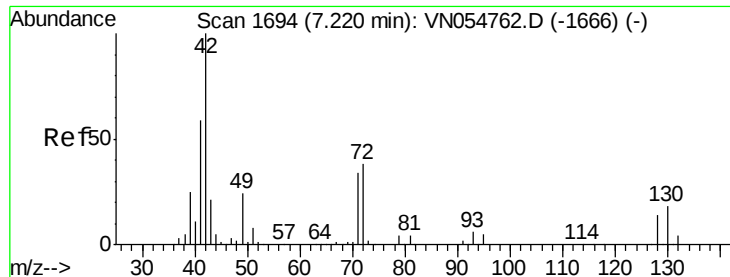
Acq: 29 Mar 2019 10:53

Tgt Ion:	49	Resp:	90388
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	65.4	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





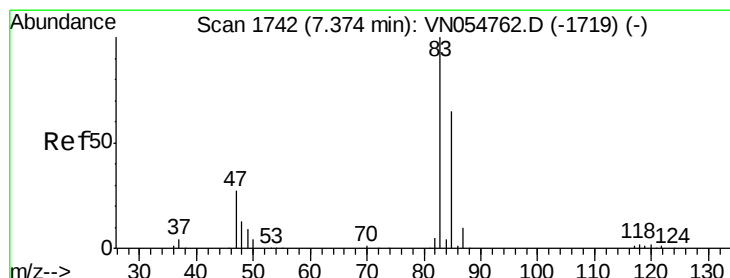
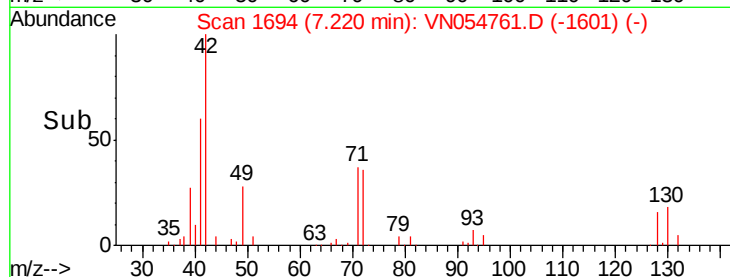
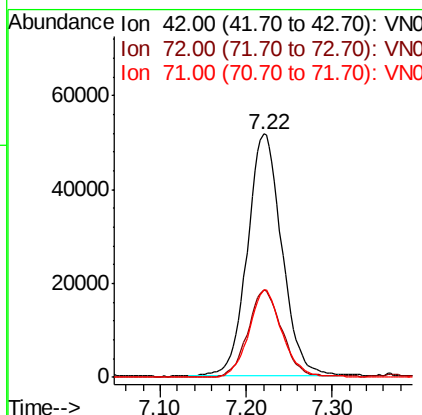
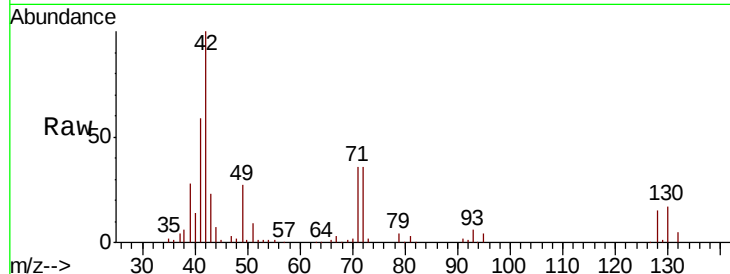
#29
Tetrahydrofuran
Concen: 95.525 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	37.8	56.6#
71	34.5	36.2	54.2#

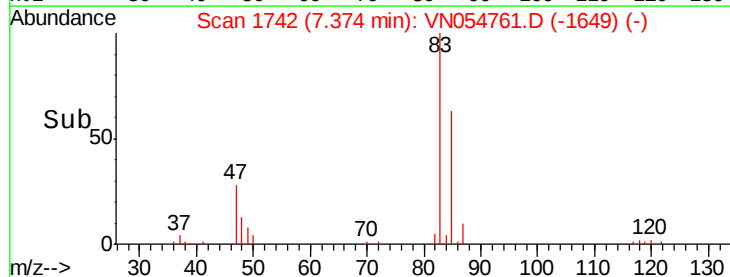
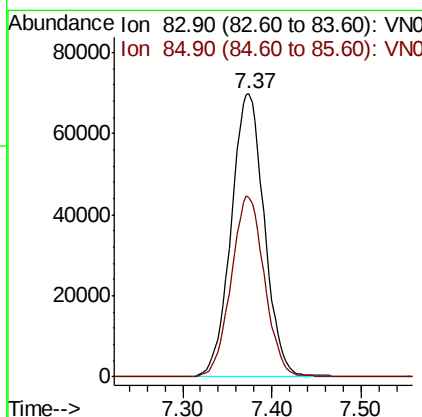
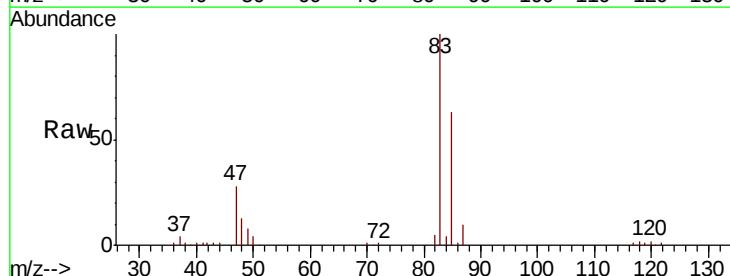
Manual Integrations
APPROVED

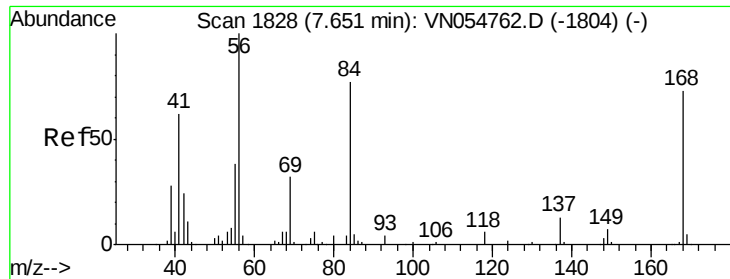
MMDadoda
4/1/2019 4:00:02 PM



#30
Chloroform
Concen: 20.199 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4





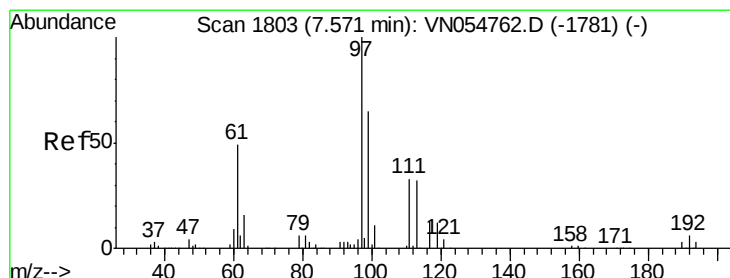
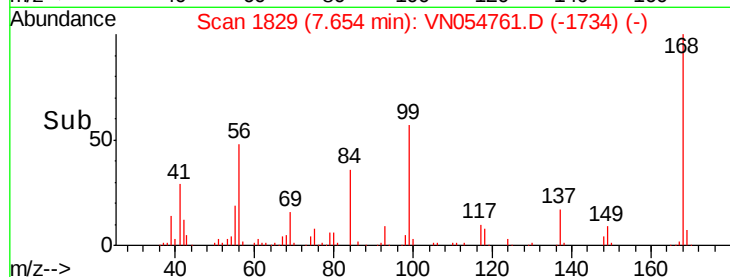
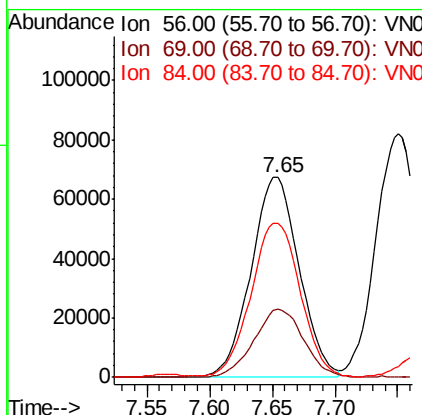
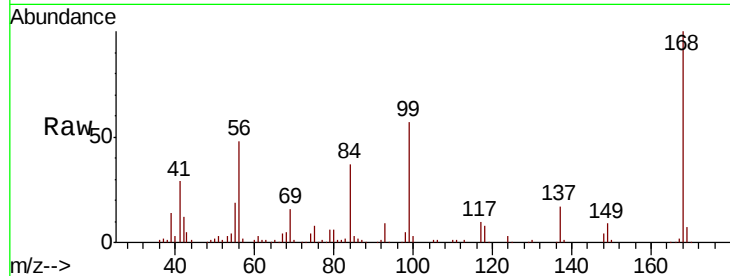
#31
Cyclohexane
Concen: 16.788 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.8	41.6
84	76.2	74.6	111.8

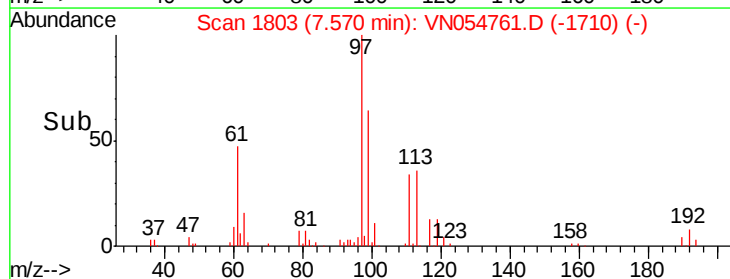
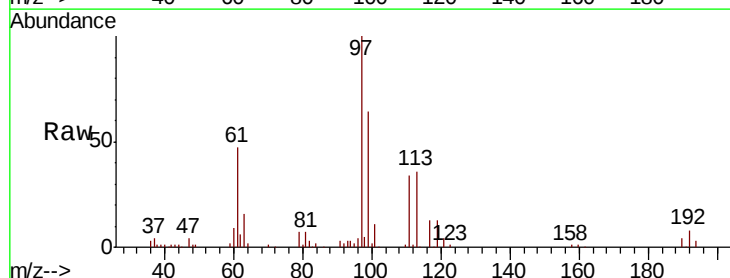
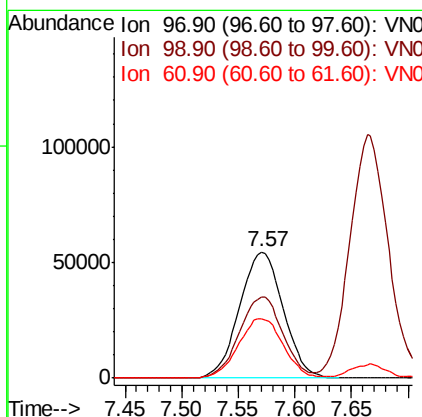
Manual Integrations
APPROVED

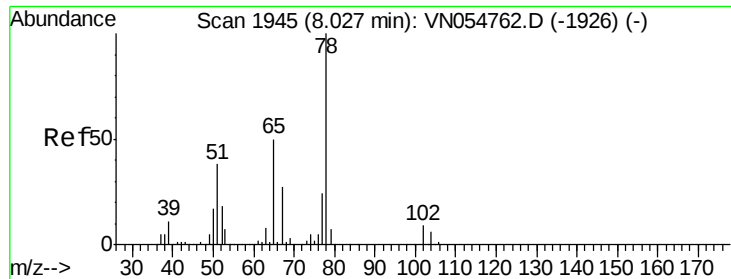
MMDadoda
4/1/2019 4:00:02 PM



#32
1,1,1-Trichloroethane
Concen: 19.868 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.5	33.6	50.4





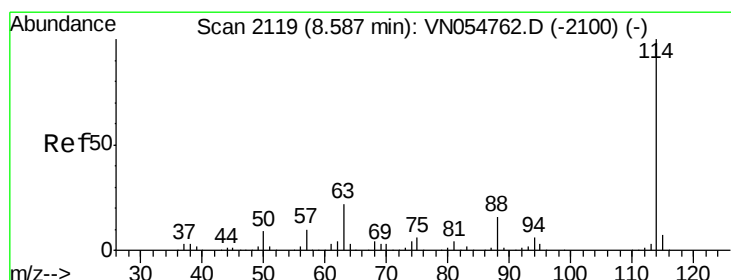
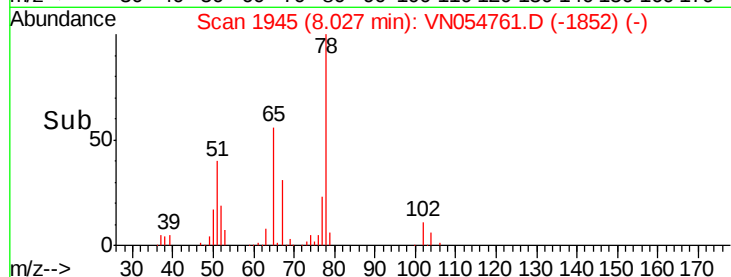
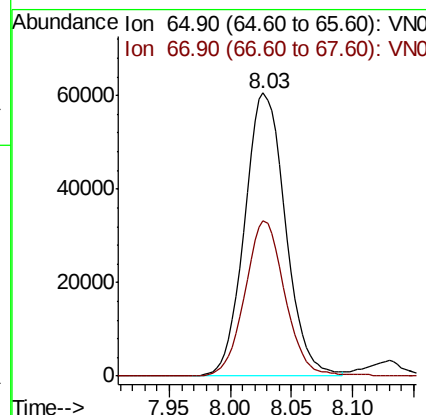
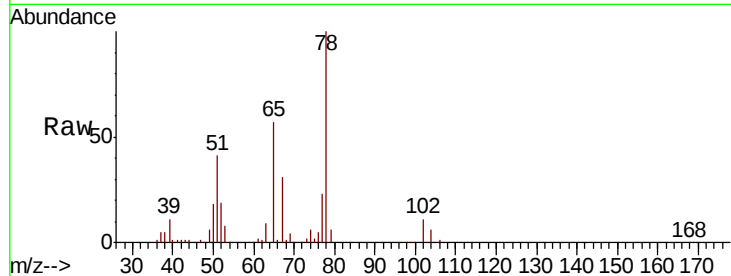
#33
 1,2-Dichloroethane-d4
 Concen: 22.823 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.6

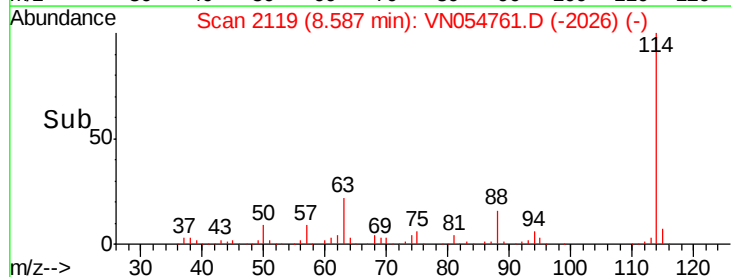
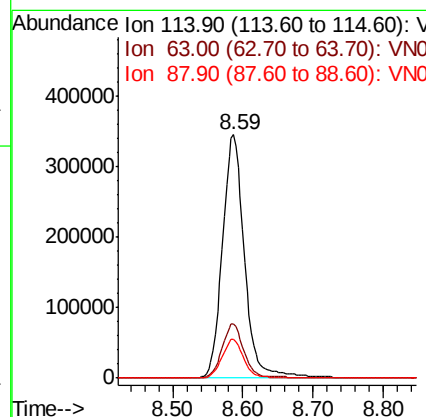
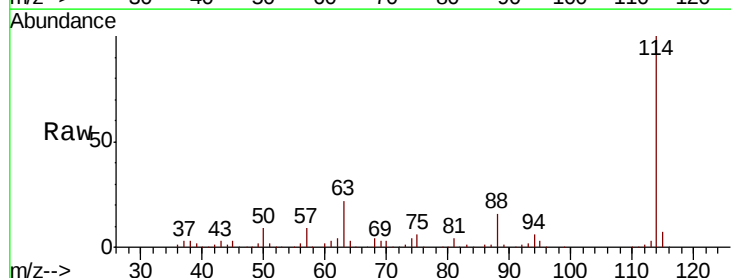
Manual Integrations
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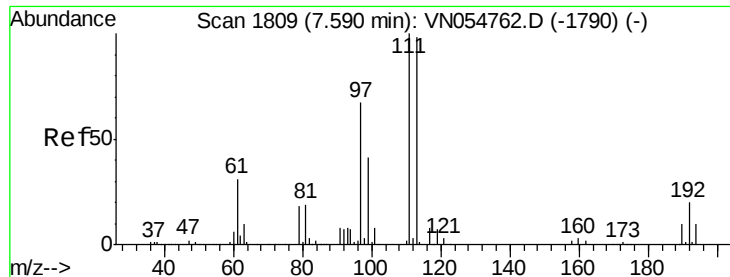
MMDadoda
 4/1/2019 4:00:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	35.2
88	15.8	0.0	30.2





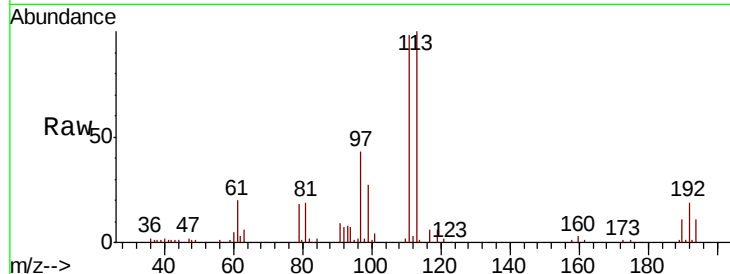
#35
Dibromofluoromethane
Concen: 22.765 ug/l
RT: 7.60 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114397		
111	98.7	82.2	123.4	
192	20.0	19.2	28.8	

Manual Integrations
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MMDadoda
4/1/2019 4:00:02 PM

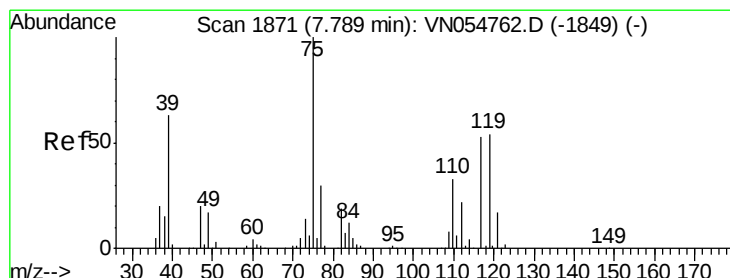
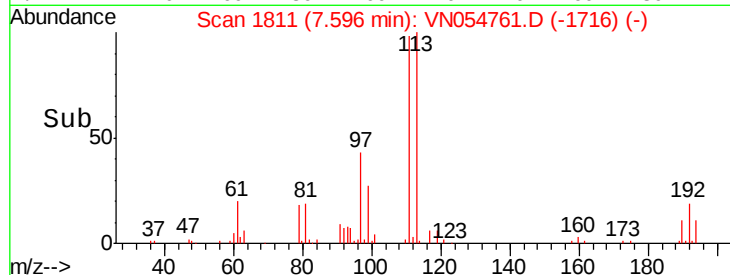
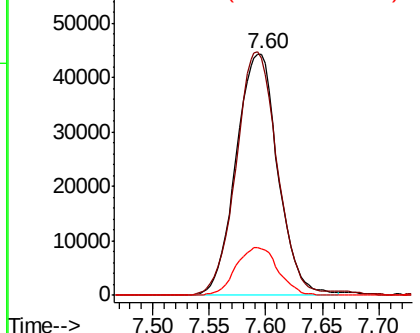


Abundance

Ion 112.80 (112.50 to 113.50): V

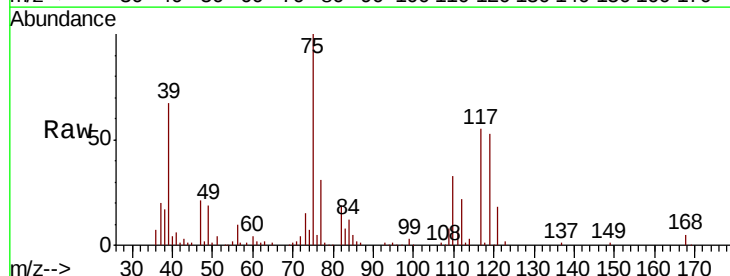
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 19.804 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136254		
110	33.6	19.1	57.5	
77	30.7	25.0	37.4	

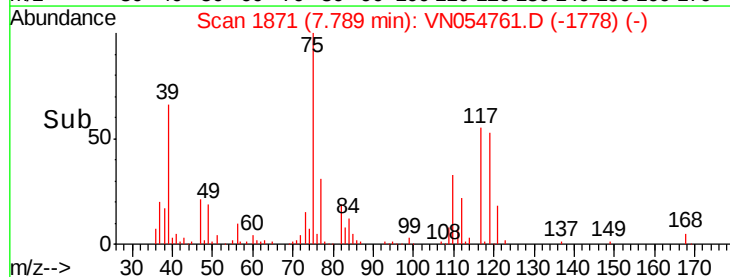
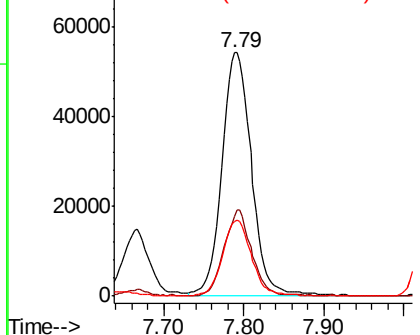


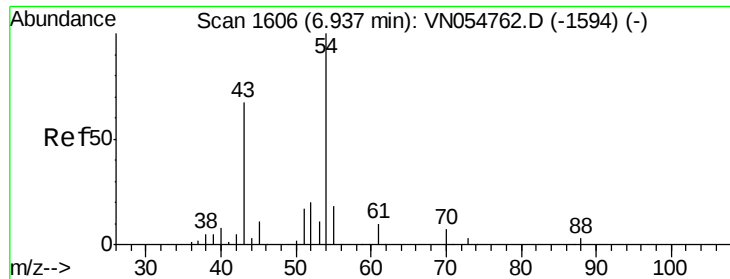
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





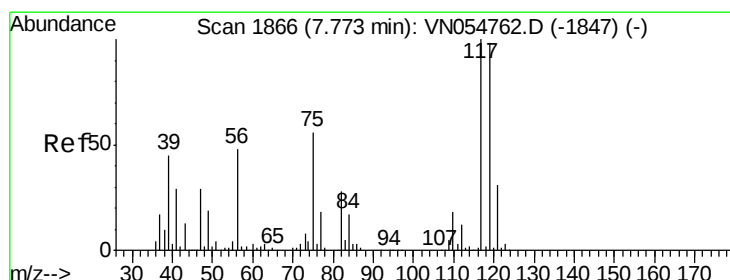
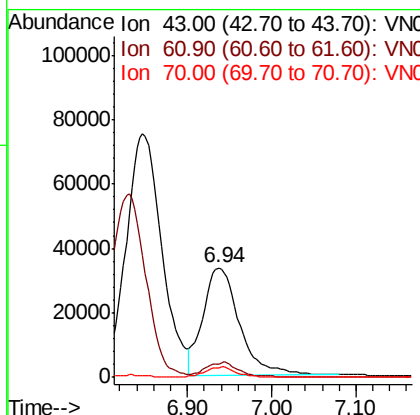
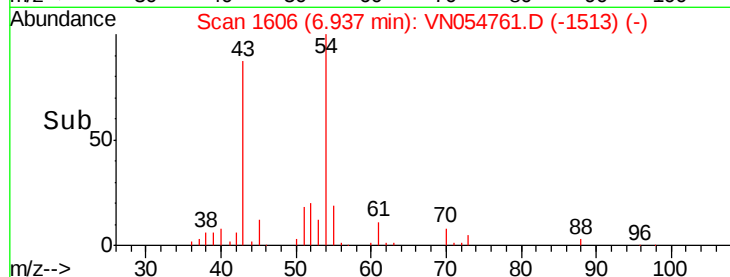
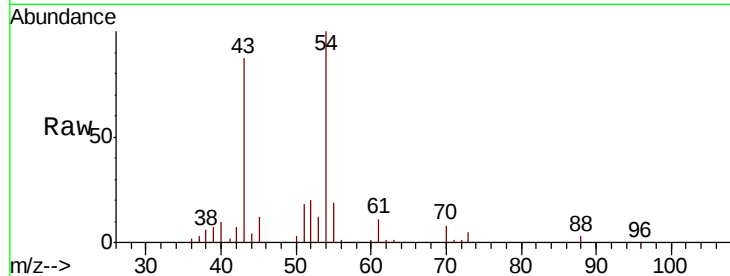
#37
Ethyl Acetate
Concen: 20.042 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.8	17.6
70	8.3	8.4	12.6

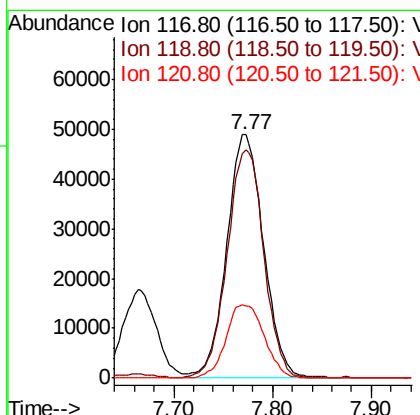
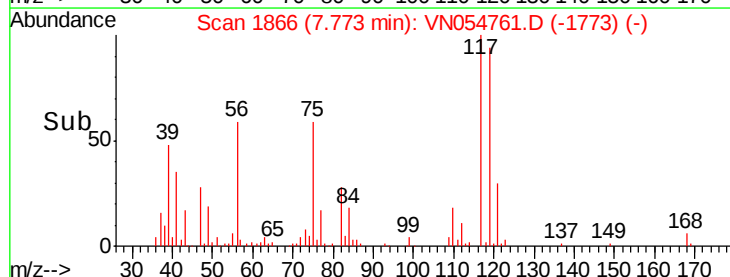
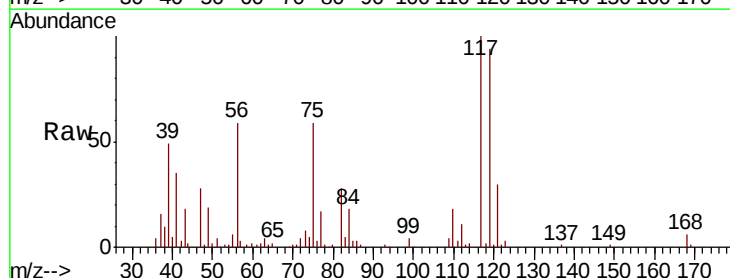
Manual Integrations
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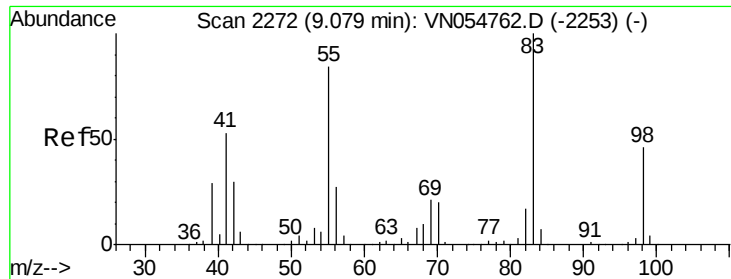
MMDadoda
4/1/2019 4:00:02 PM



#38
Carbon Tetrachloride
Concen: 18.501 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.3	114.5
121	30.0	24.6	36.8





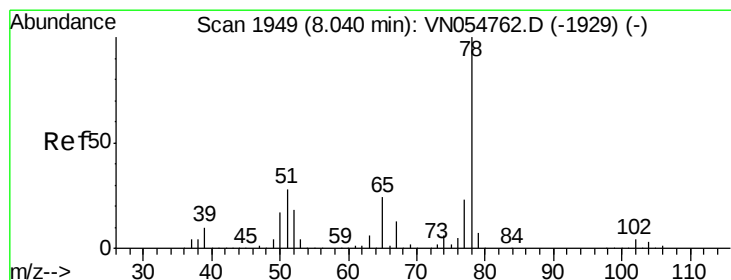
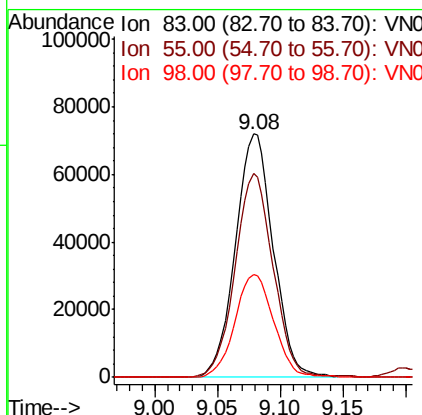
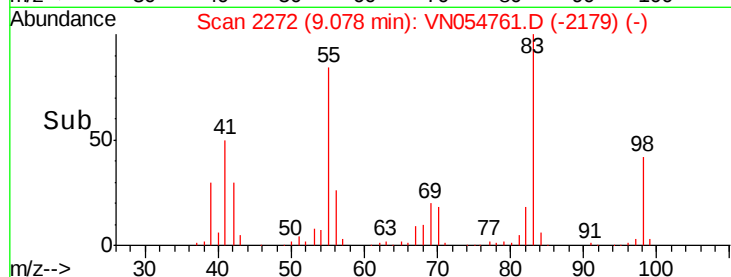
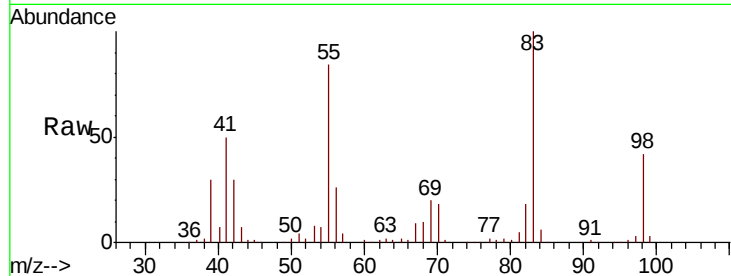
#39
Methvlcvclohexane
Concen: 19.547 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	56.6	84.8
98	42.4	38.4	57.6

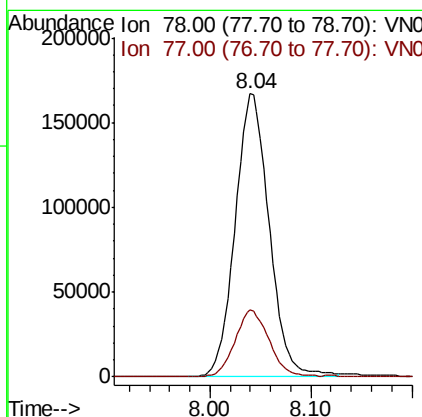
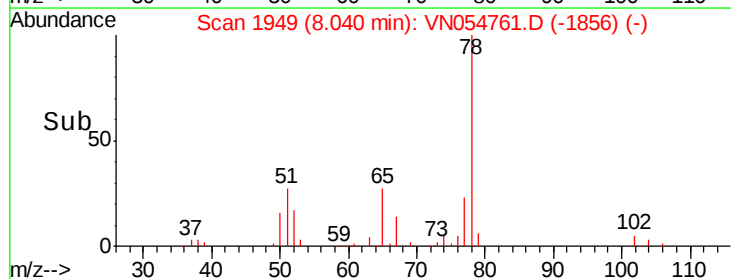
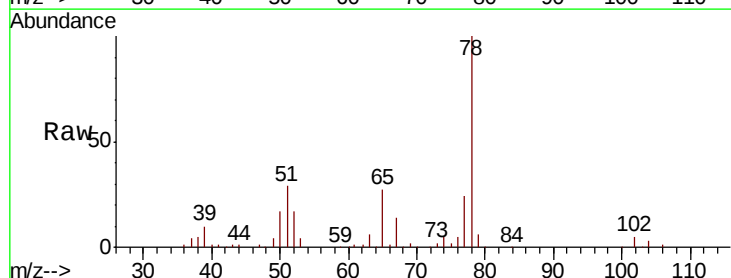
Manual Integrations
APPROVED

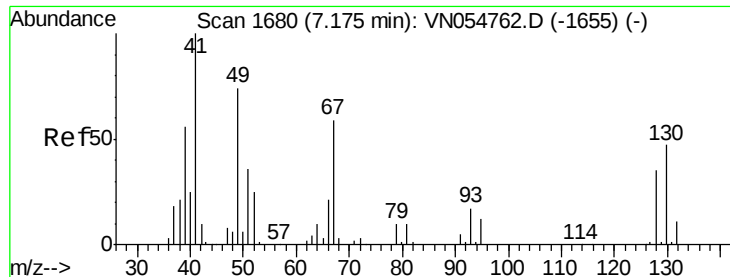
MMDadoda
4/1/2019 4:00:02 PM



#40
Benzene
Concen: 19.485 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 18.515 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 53570

Ion Ratio Lower Upper

41 100

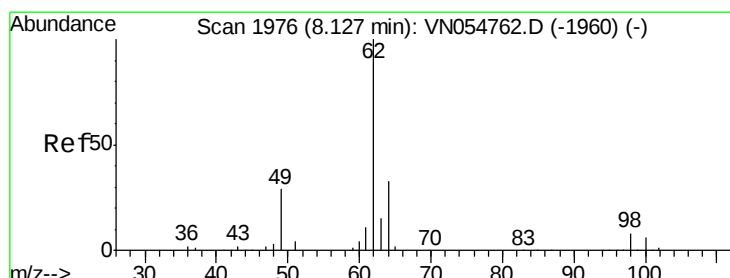
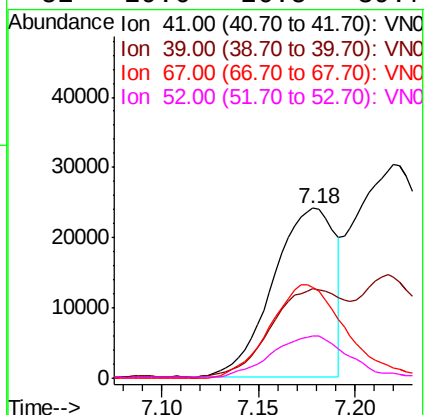
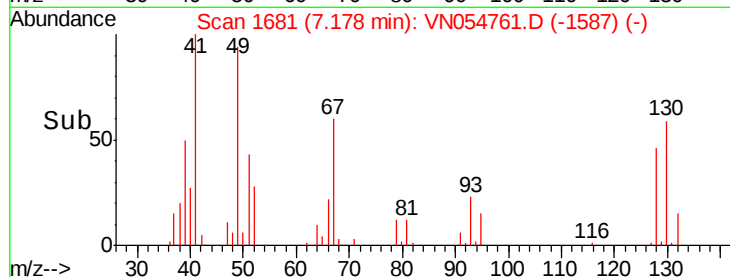
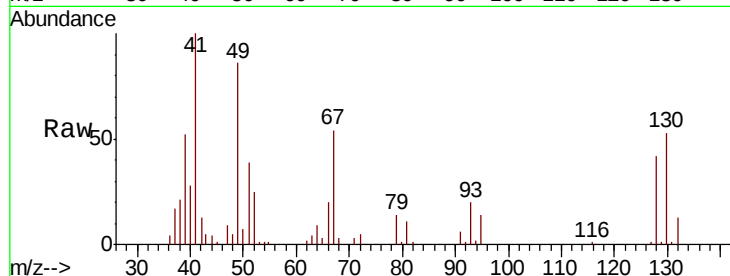
39 63.8 46.8 70.2

67 68.8 67.0 100.4

52 29.6 26.5 39.7

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:02 PM



#42

1,2-Dichloroethane

Concen: 19.731 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN054761.D

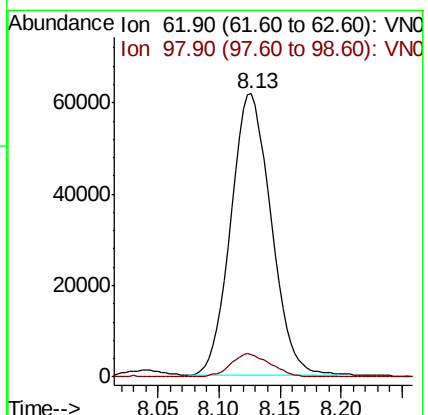
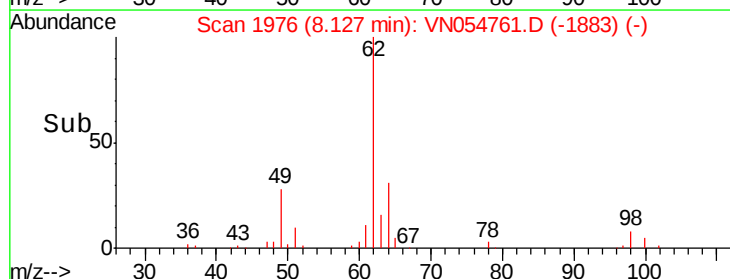
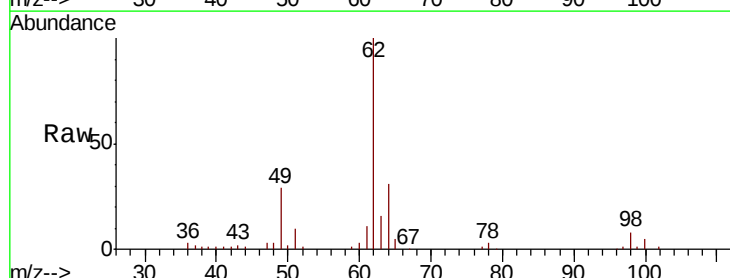
Acq: 29 Mar 2019 10:53

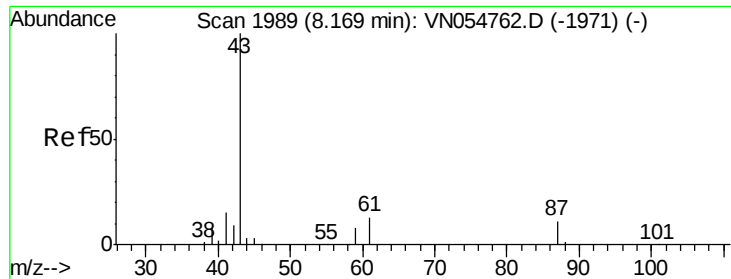
Tgt Ion: 62 Resp: 141583

Ion Ratio Lower Upper

62 100

98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.961 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

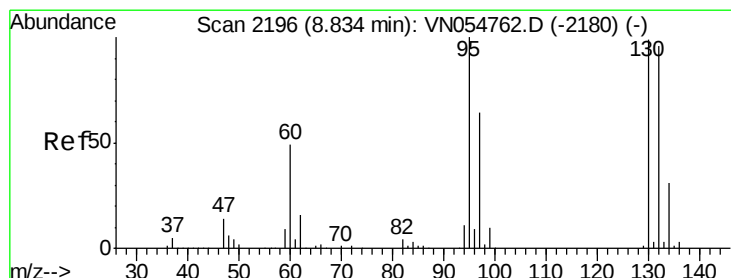
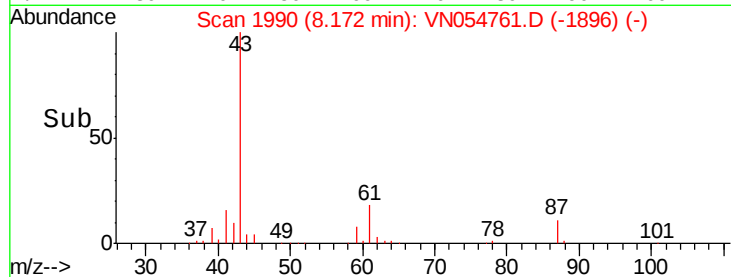
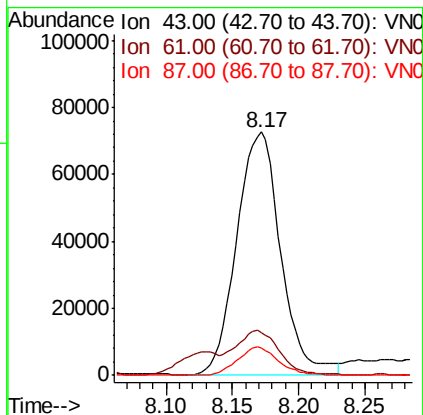
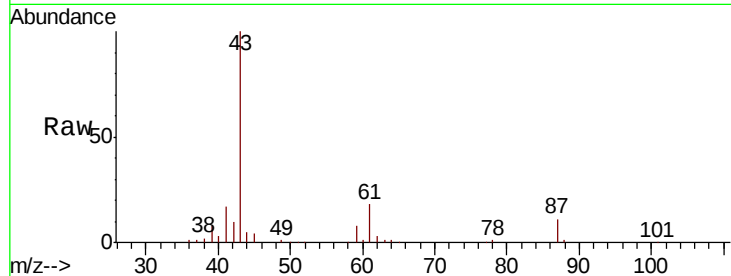
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	167046
Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.8	23.8
87	11.0	12.0	18.0#

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#44

Trichloroethene

Concen: 20.124 ug/l

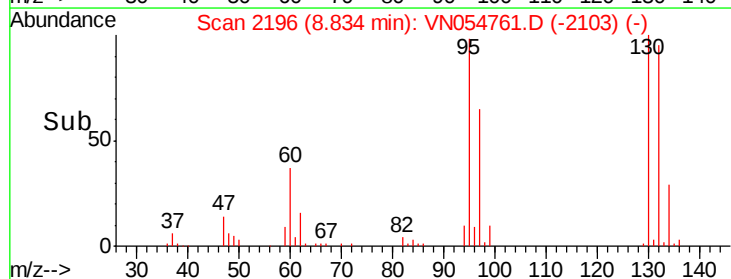
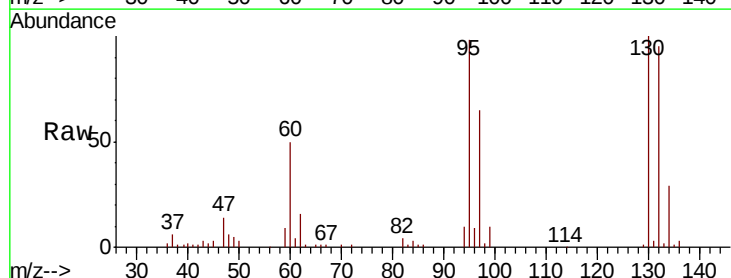
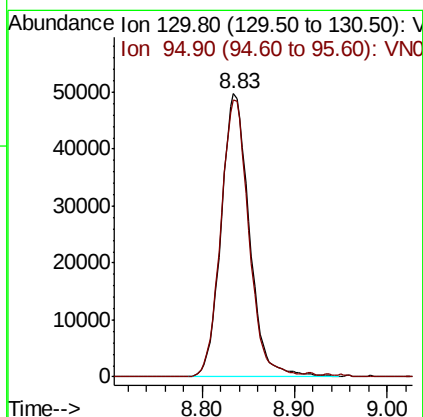
RT: 8.83 min Scan# 2196

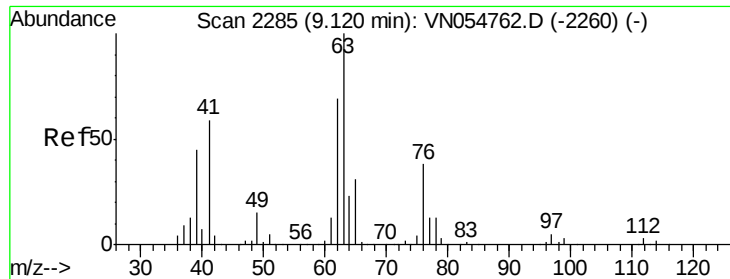
Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Tgt Ion:	130	Resp:	104985
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	185.2





#45

1,2-Dichloropropane

Concen: 19.615 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 112404

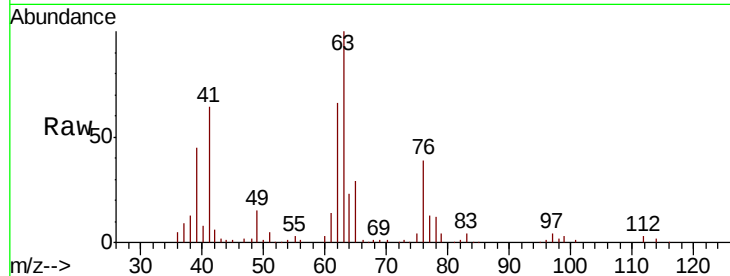
Ion Ratio Lower Upper

63 100

65 29.1 25.0 37.6

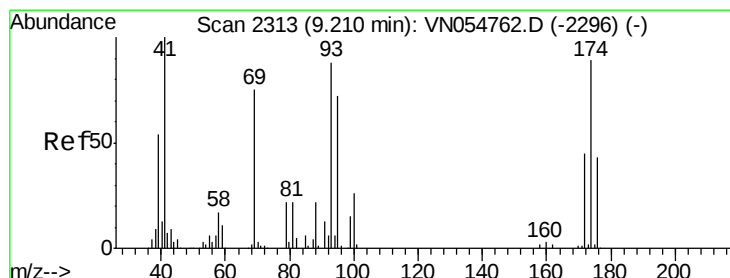
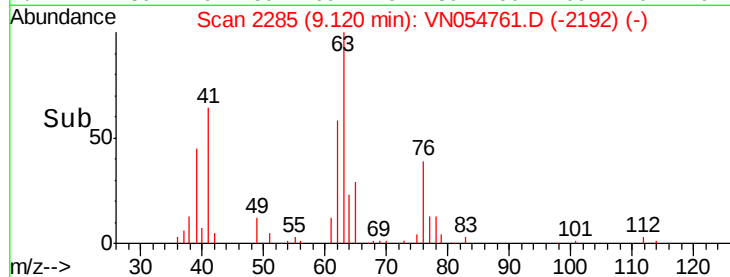
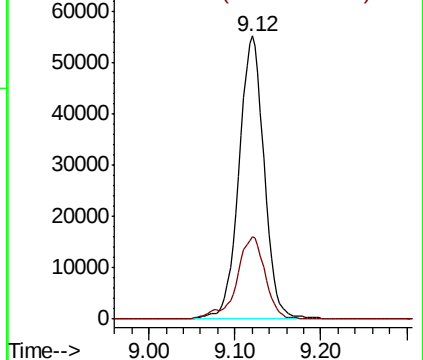
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.415 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

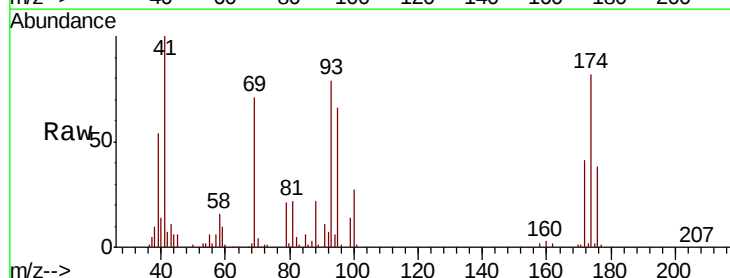
Tgt Ion: 93 Resp: 62587

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

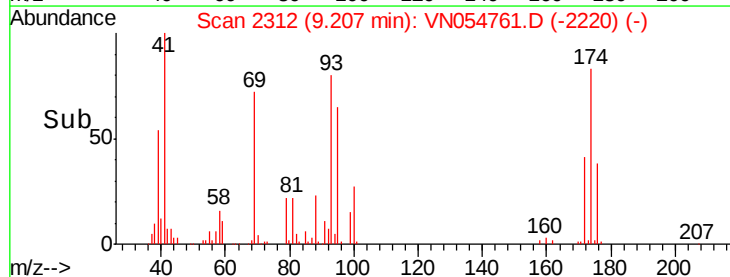
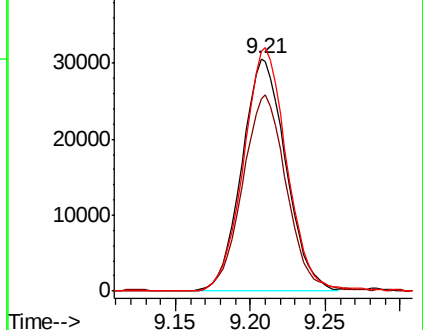
174 103.1 98.5 147.7

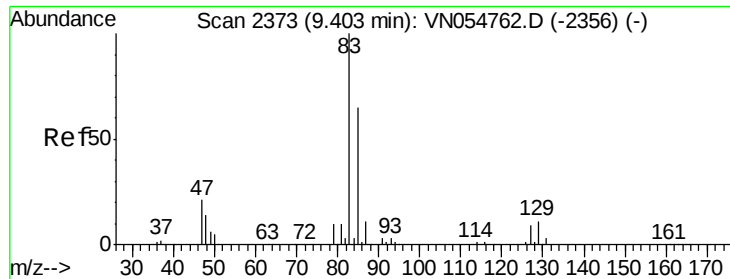


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





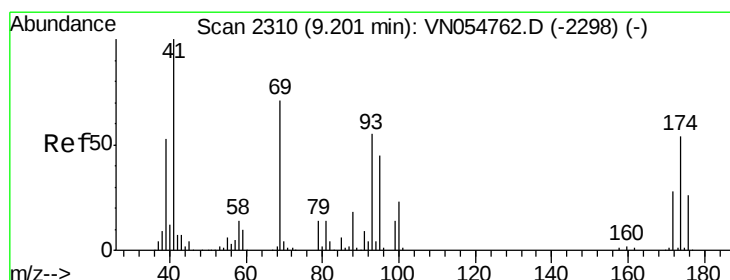
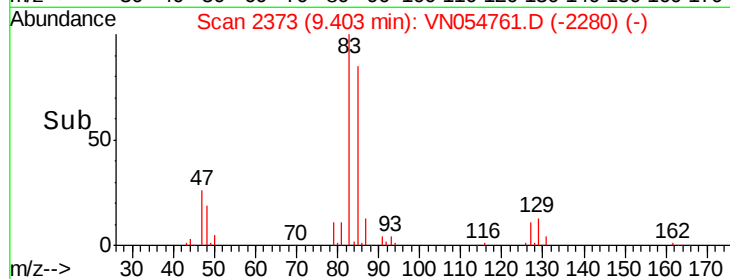
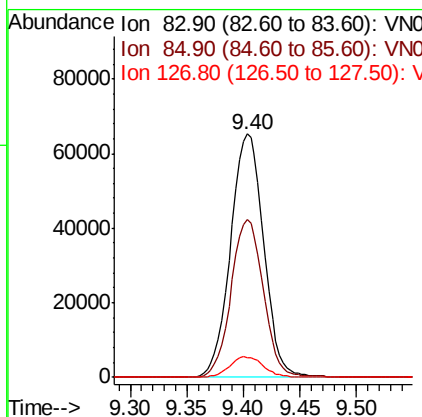
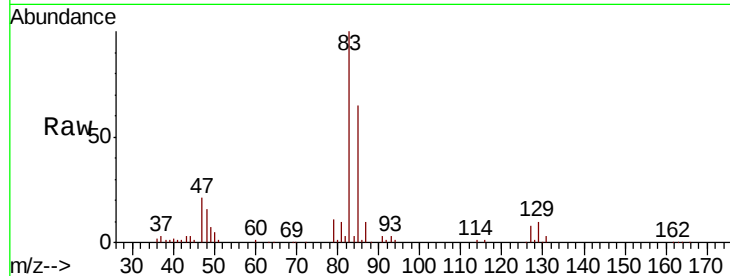
#47
Bromodichloromethane
Concen: 19.915 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	133423
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.8	79.2
127	8.3	7.4	11.2

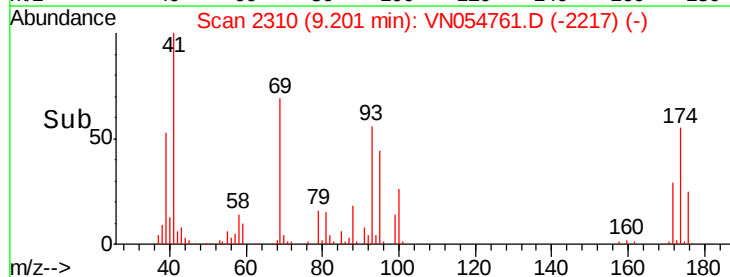
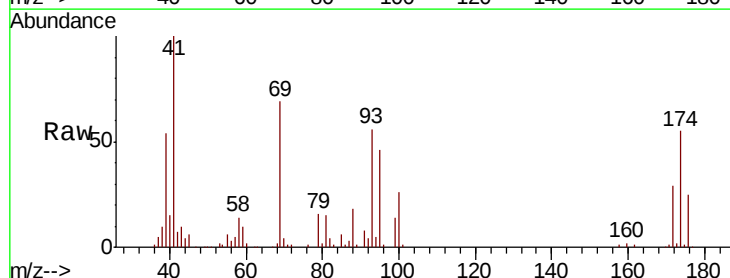
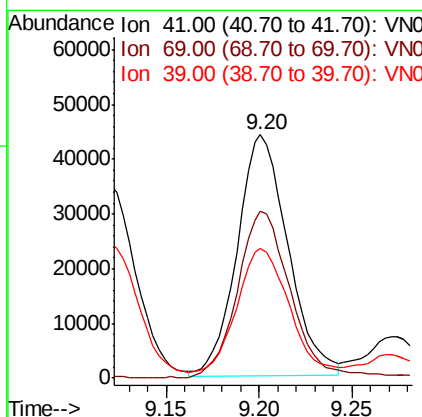
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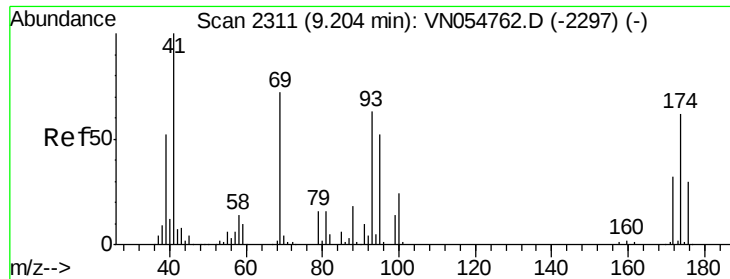
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4/1/2019 4:00:02 PM



#48
Methyl methacrylate
Concen: 18.406 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	41	Resp	83498
Ion Ratio	100	Lower	Upper
41	100		
69	72.8	72.6	108.8
39	55.9	47.5	71.3





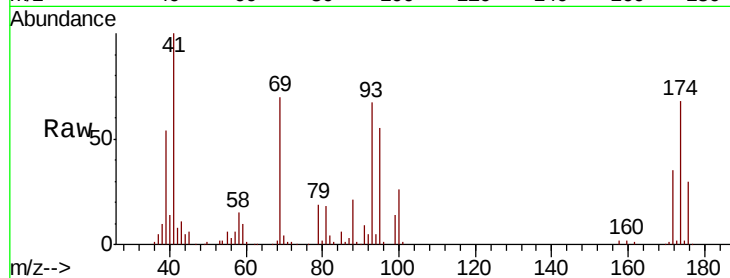
#49
1,4-Dioxane
Concen: 409.998 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

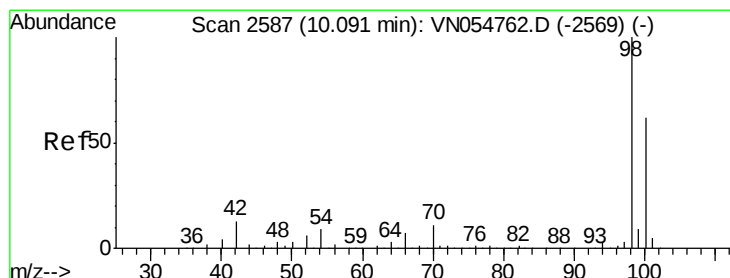
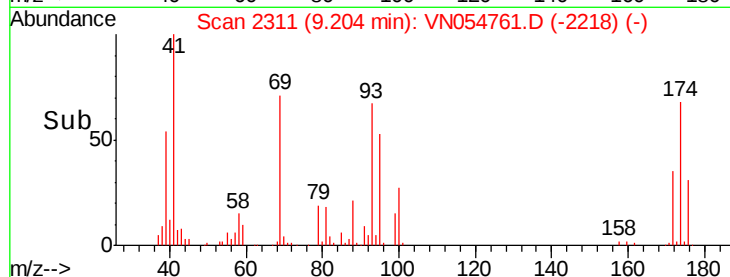
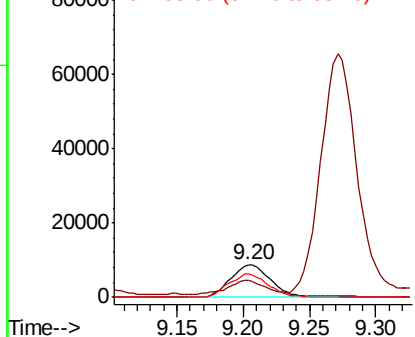
Tot Ion	88	Resp	18455
Ion Ratio	100	Lower	Upper
88	100		
43	40.8	24.1	36.1#
58	70.9	50.8	76.2

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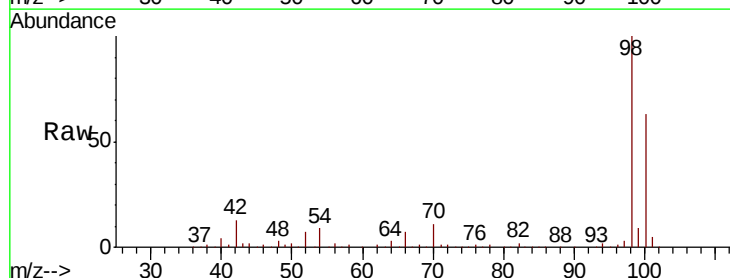


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

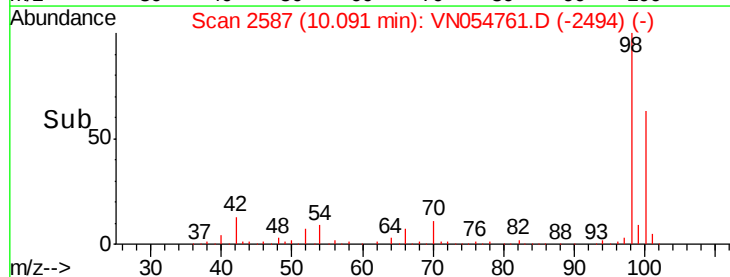
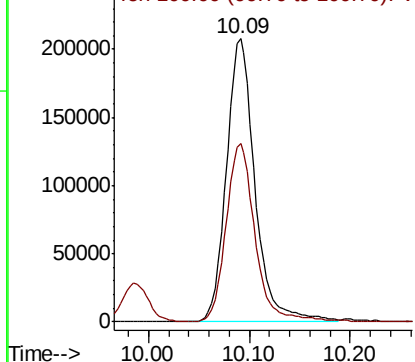


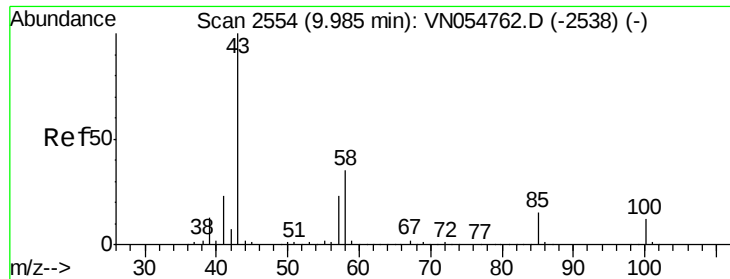
#50
Toluene-d8
Concen: 22.072 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	98	Resp	412353
Ion Ratio	100	Lower	Upper
98	100		
100	63.3	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 97.163 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 457165

Ion Ratio Lower Upper

43 100

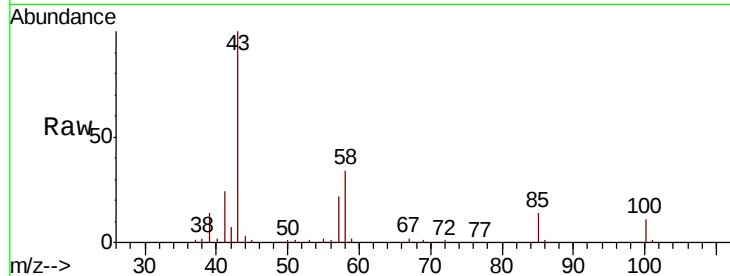
58 34.9 31.8 47.6

Manual Integrations

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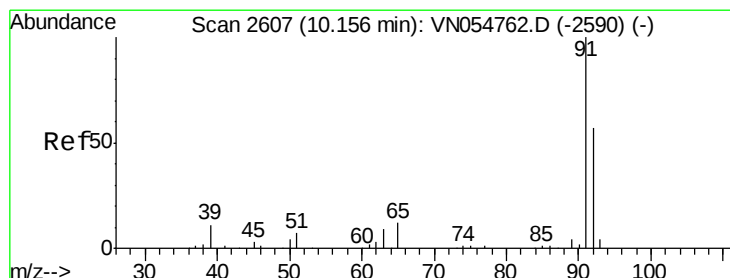
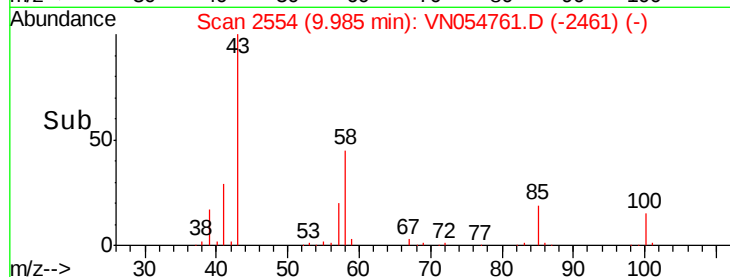
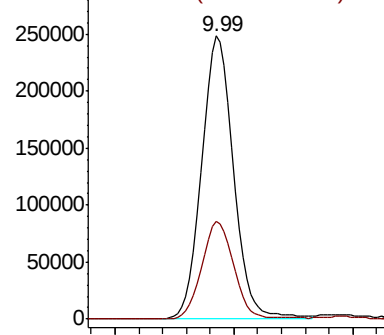
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.283 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054761.D

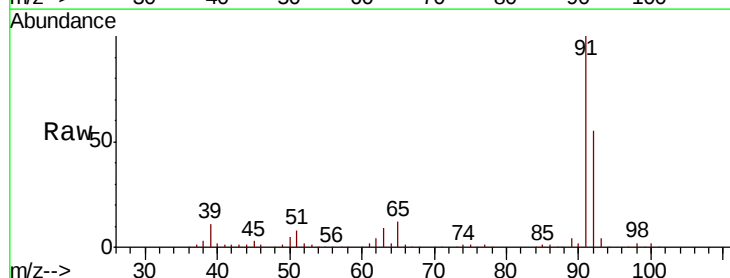
Acq: 29 Mar 2019 10:53

Tgt Ion: 92 Resp: 230595

Ion Ratio Lower Upper

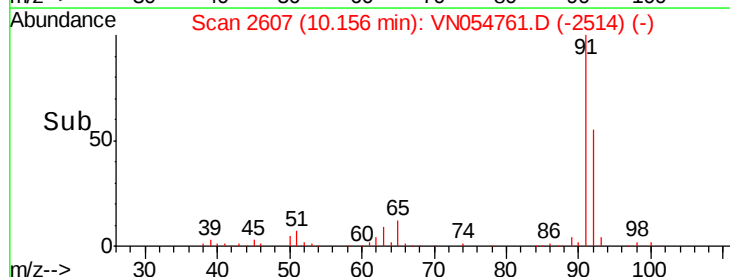
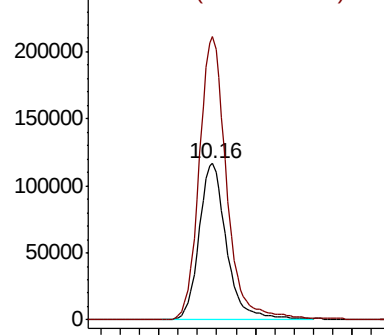
92 100

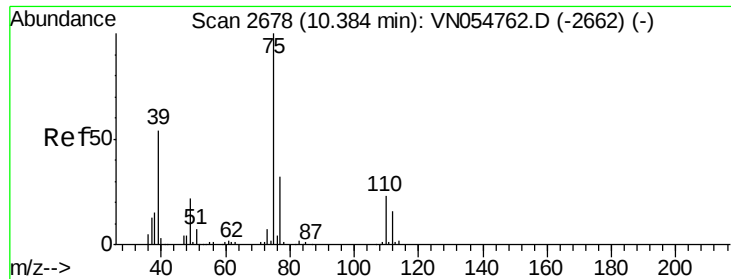
91 180.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





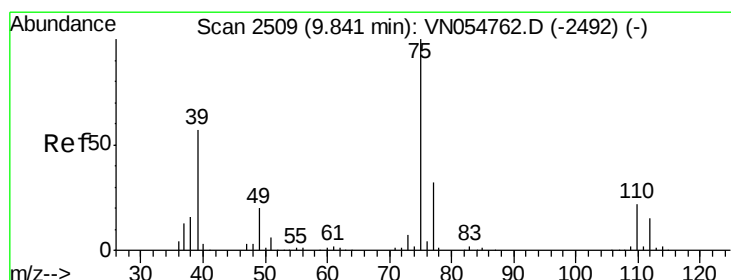
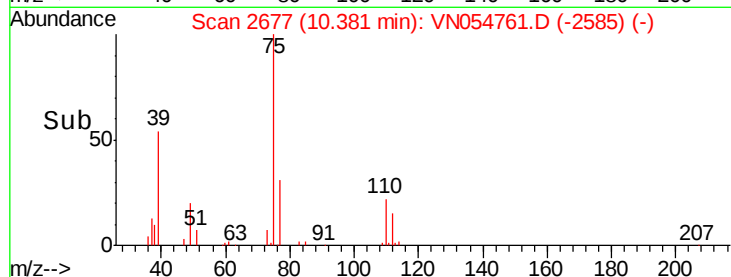
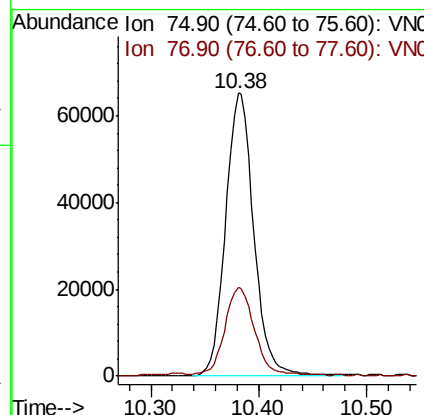
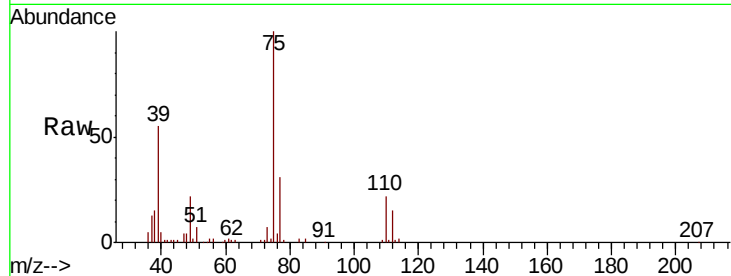
#53
t-1,3-Dichloropropene
Concen: 18.885 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.8

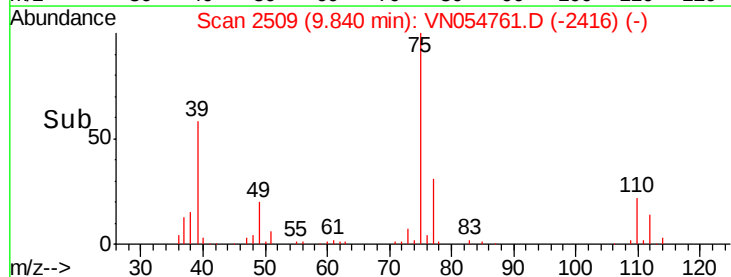
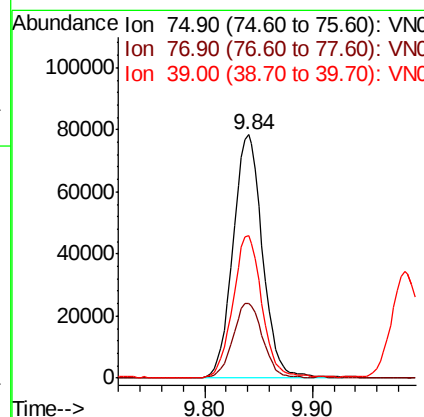
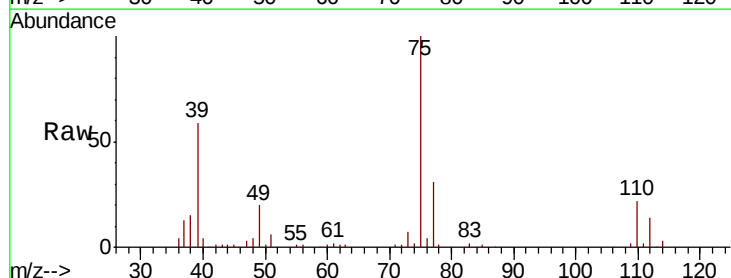
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#54
cis-1,3-Dichloropropene
Concen: 19.922 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	58.4	37.2	55.8#





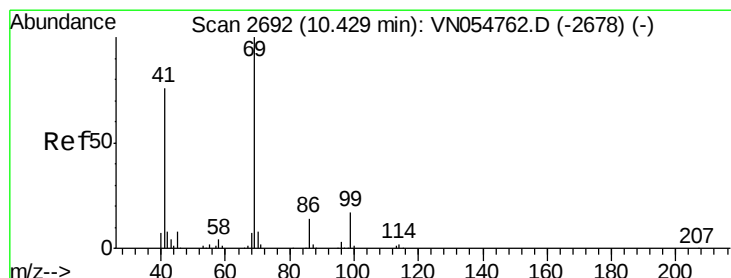
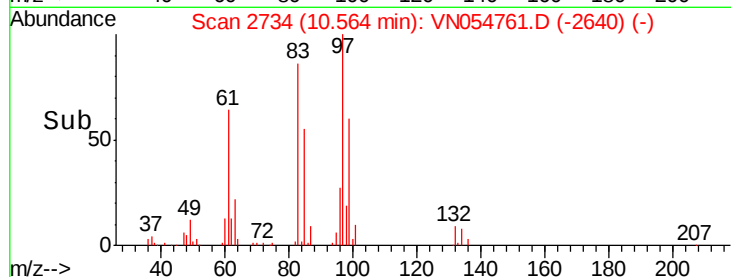
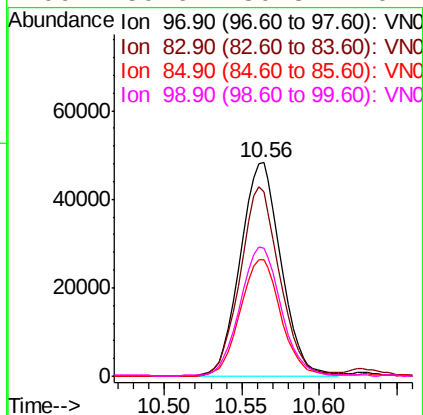
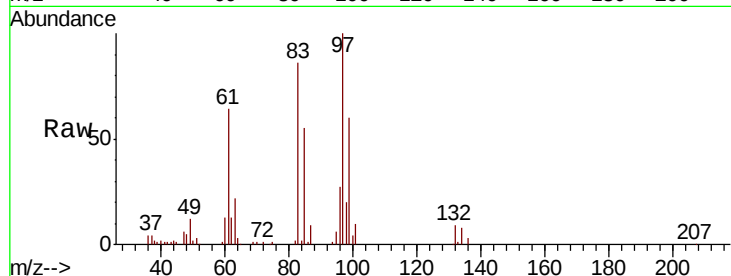
#55
 1,1,2-Trichloroethane
 Concen: 19.920 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	88577
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.6	100.0
85	54.5	44.4	66.6
99	59.6	50.8	76.2

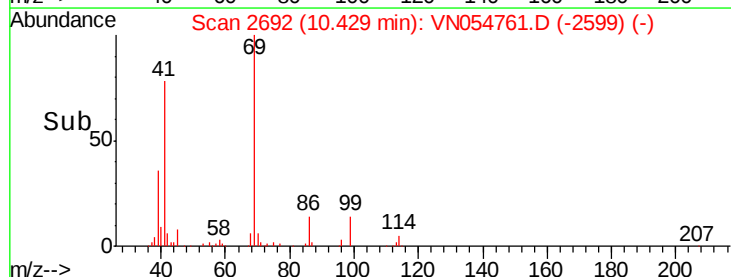
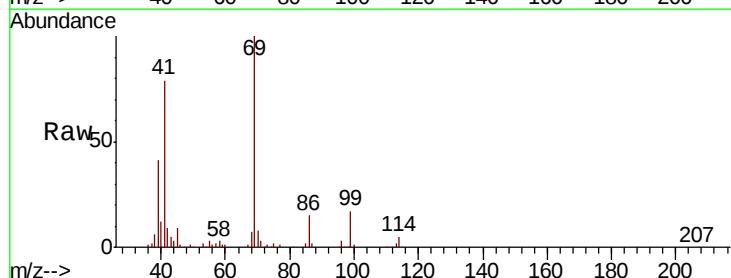
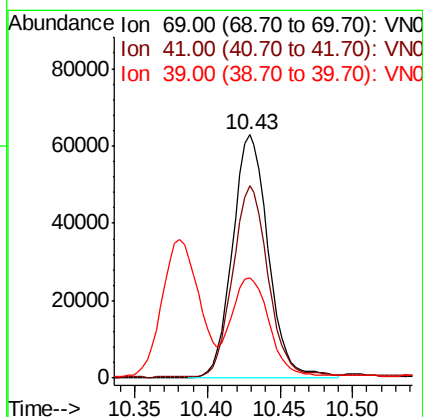
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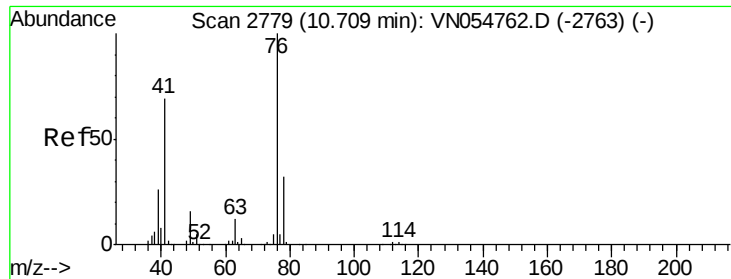
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 4/1/2019 4:00:02 PM



#56
 Ethyl methacrylate
 Concen: 18.550 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Tgt Ion:	69	Resp:	108202
Ion	Ratio	Lower	Upper
69	100		
41	76.7	49.4	74.2#
39	42.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 19.826 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 151562

Ion Ratio Lower Upper

76 100

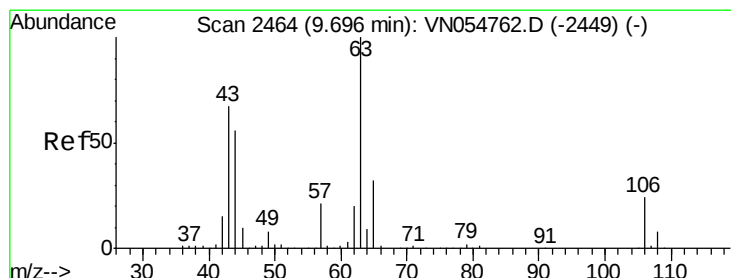
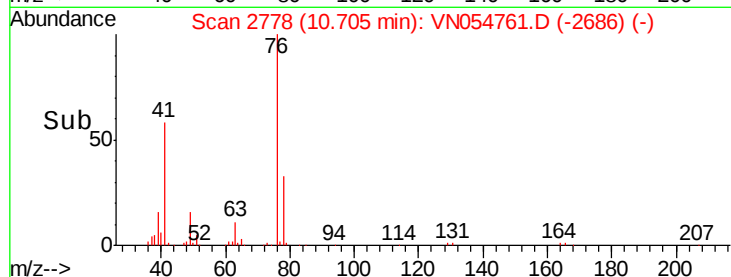
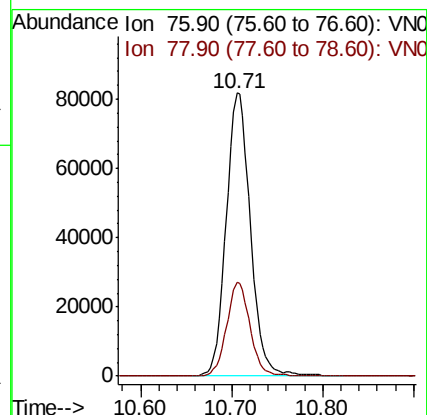
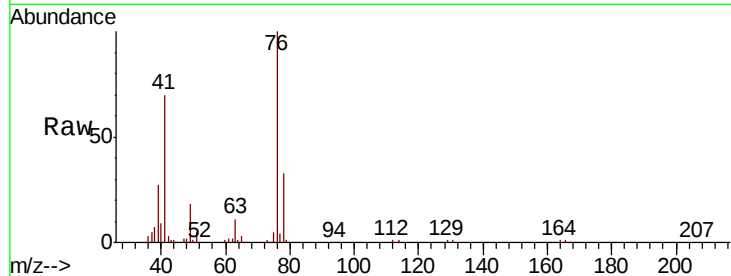
78 31.8 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.238 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054761.D

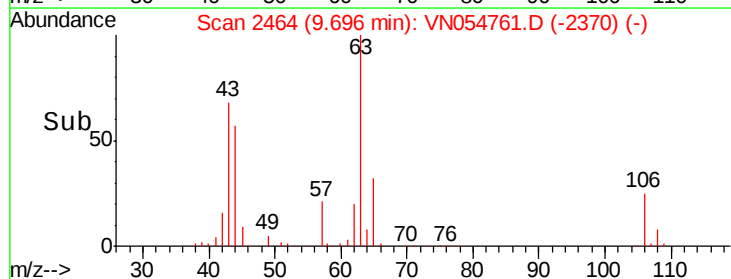
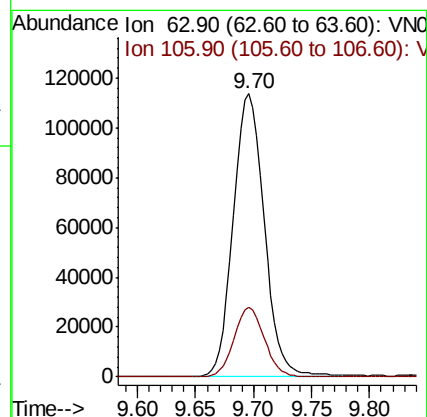
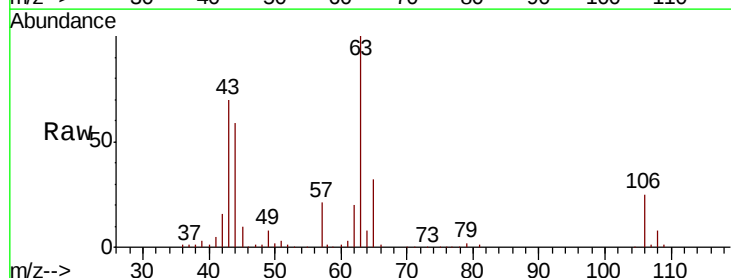
Acq: 29 Mar 2019 10:53

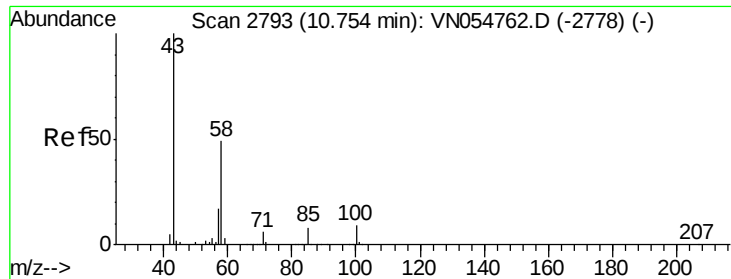
Tgt Ion: 63 Resp: 210781

Ion Ratio Lower Upper

63 100

106 24.1 24.4 36.6#





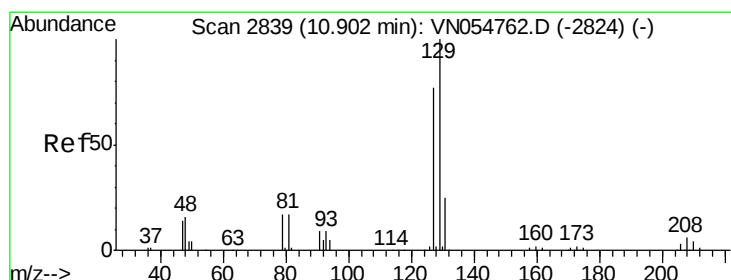
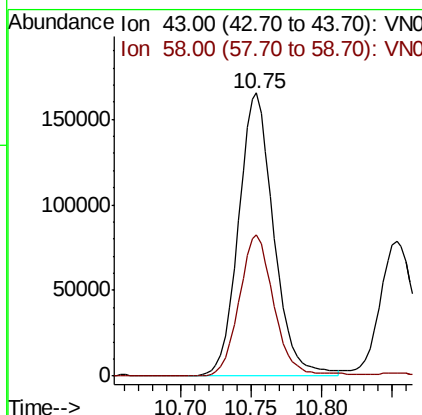
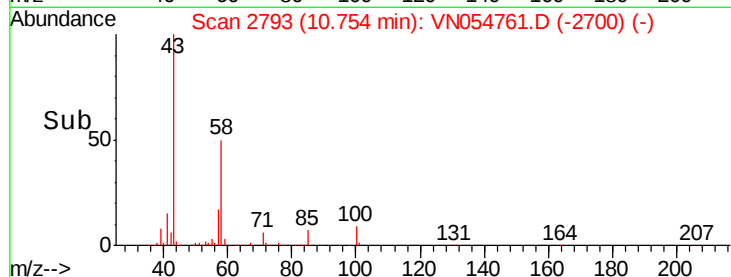
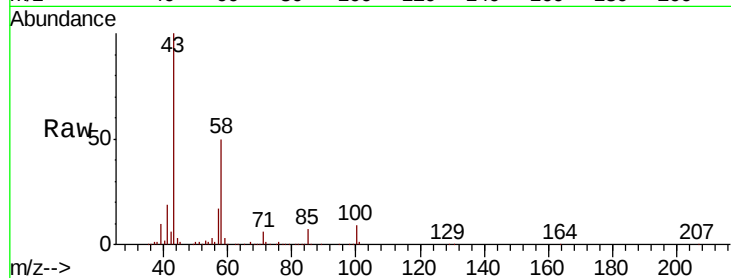
#59
2-Hexanone
Concen: 94.962 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 286030
Ion Ratio Lower Upper
43 100
58 50.3 28.0 83.9

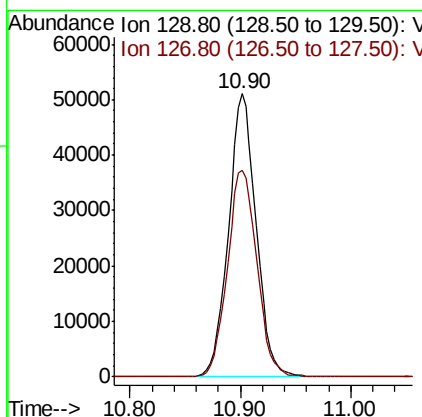
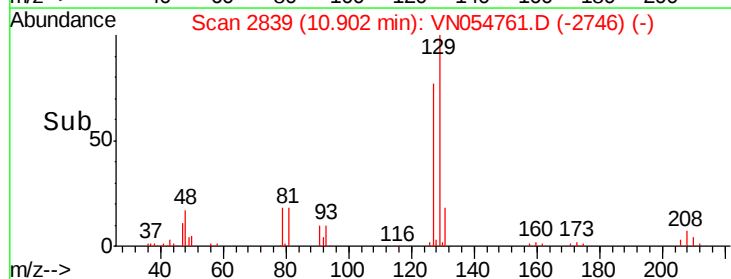
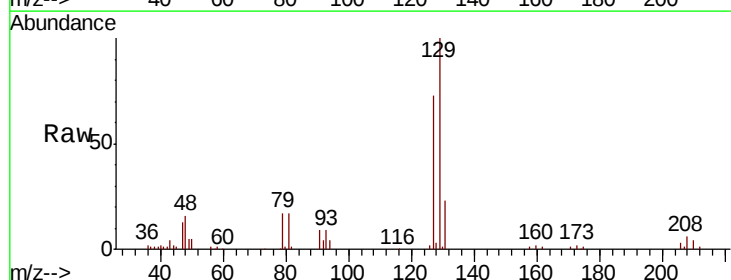
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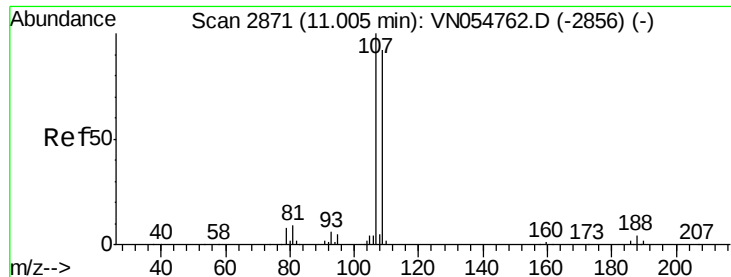
MMDadoda
4/1/2019 4:00:02 PM



#60
Dibromochloromethane
Concen: 19.646 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion: 129 Resp: 88489
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





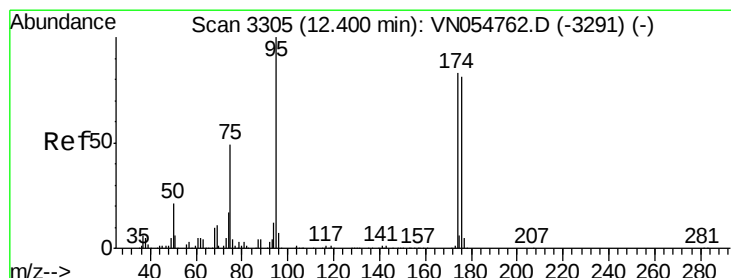
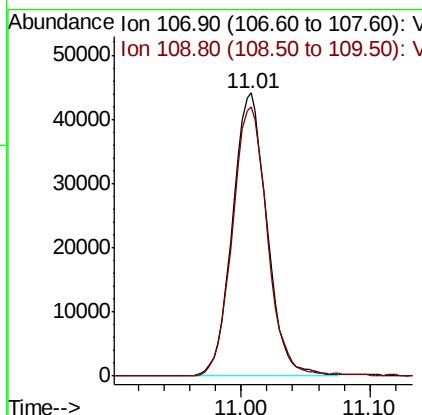
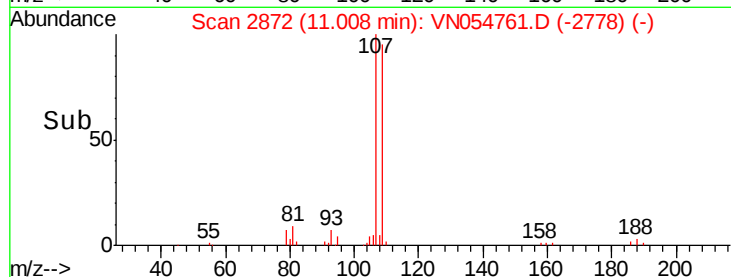
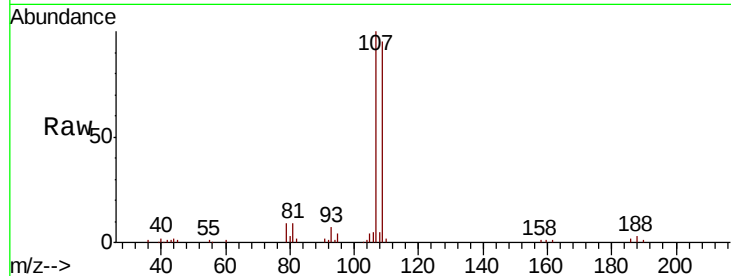
#61
 1,2-Dibromoethane
 Concen: 19.294 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 81987
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.9 113.9

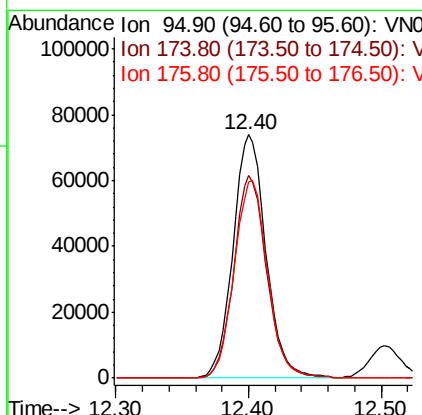
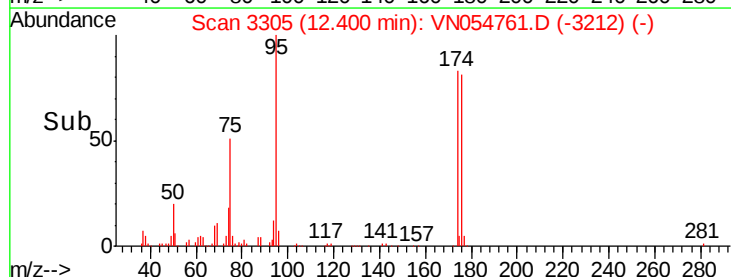
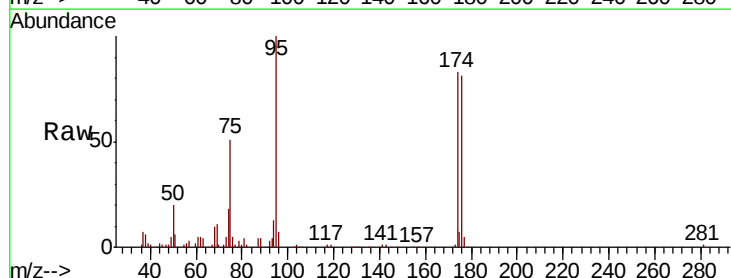
Manual Integrations
 APPROVED

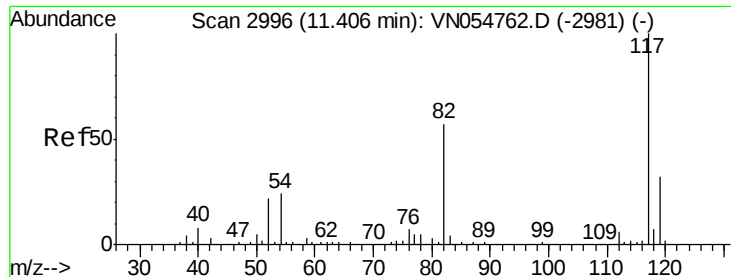
MMDadoda
 4/1/2019 4:00:02 PM



#62
 4-Bromofluorobenzene
 Concen: 20.519 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Tgt Ion: 95 Resp: 127493
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 191.0
 176 82.6 0.0 187.4





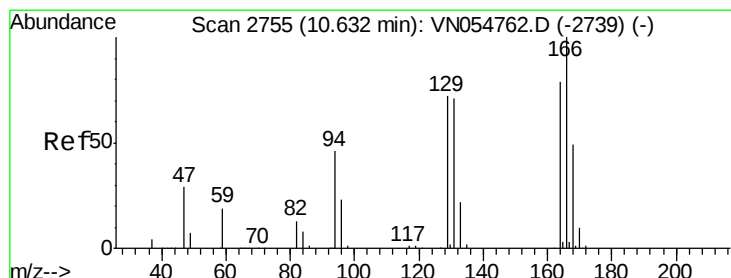
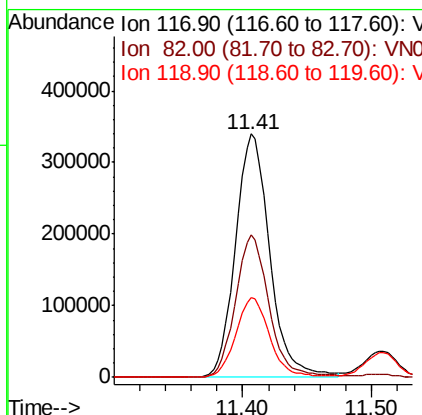
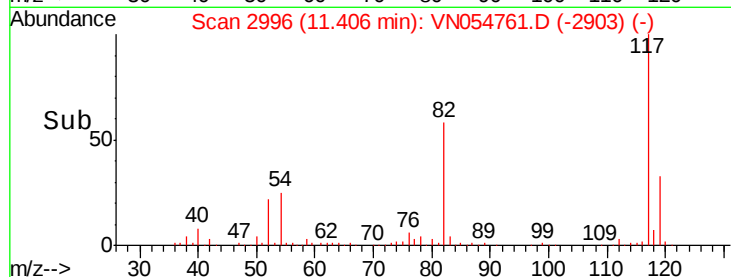
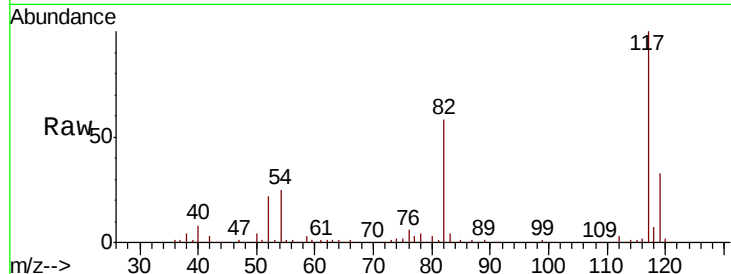
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	40.0	60.0
119	32.5	25.8	38.6

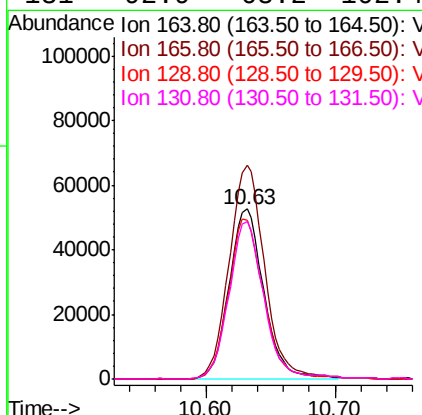
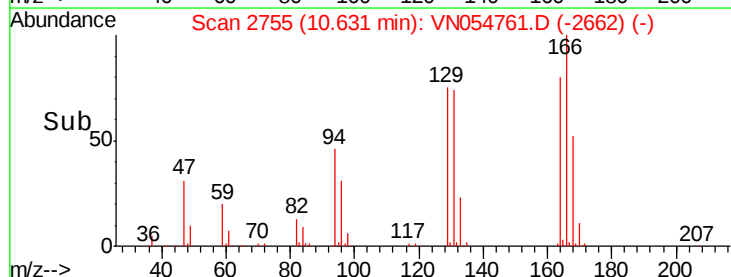
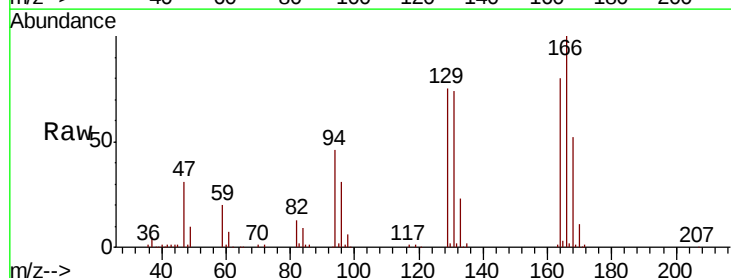
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.529 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.9	155.9
129	93.6	71.1	106.7
131	92.9	68.2	102.4





#65

Chlorobenzene

Concen: 20.094 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 246895

Ion Ratio Lower Upper

112 100

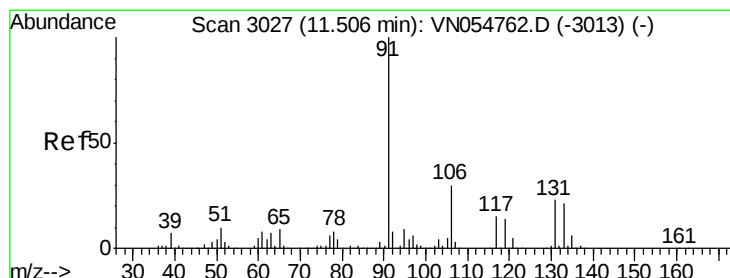
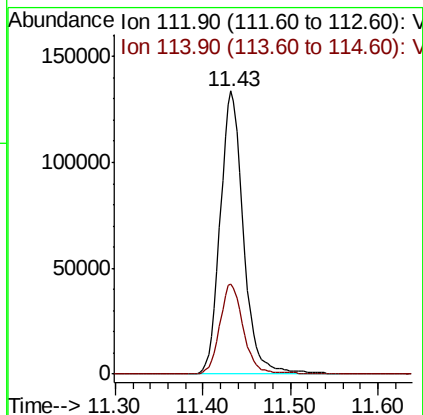
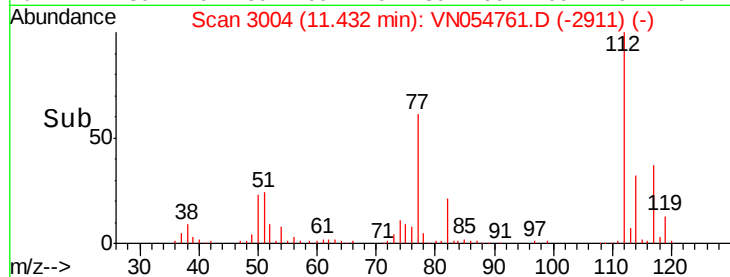
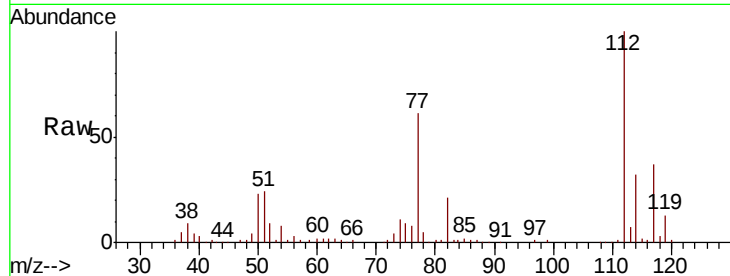
114 32.1 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.273 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

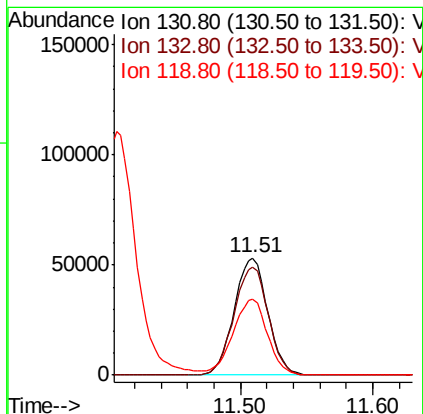
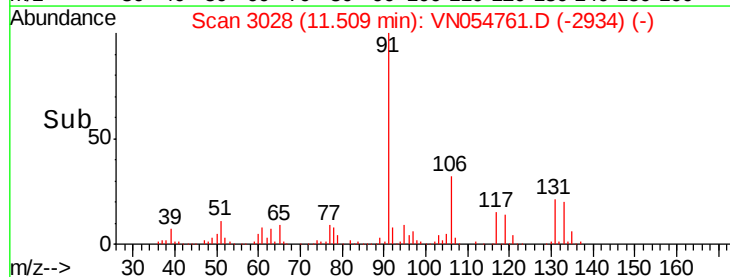
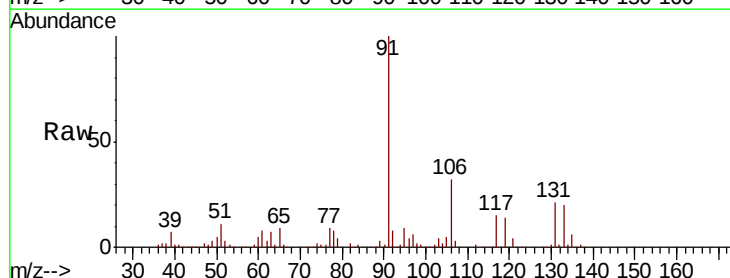
Tgt Ion:131 Resp: 93235

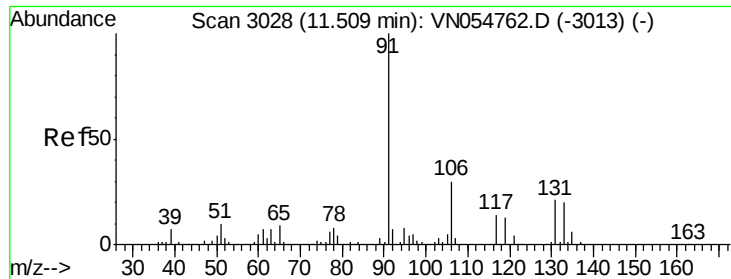
Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

119 66.9 32.4 97.0





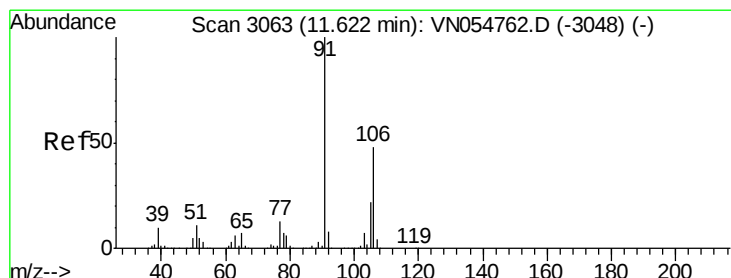
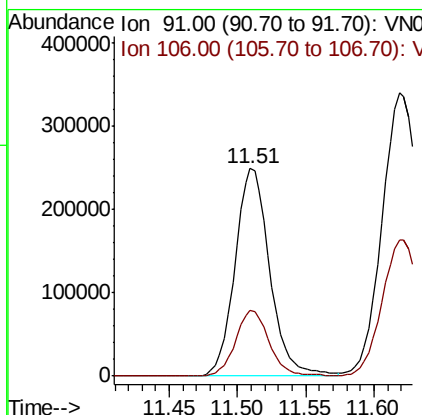
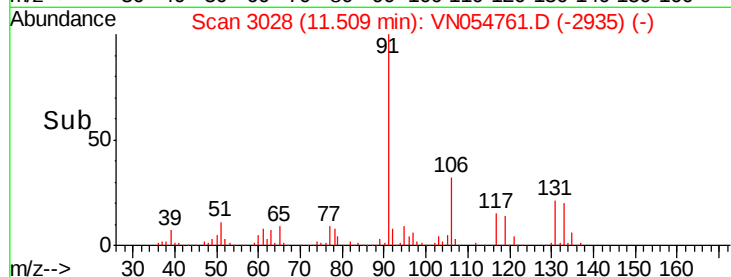
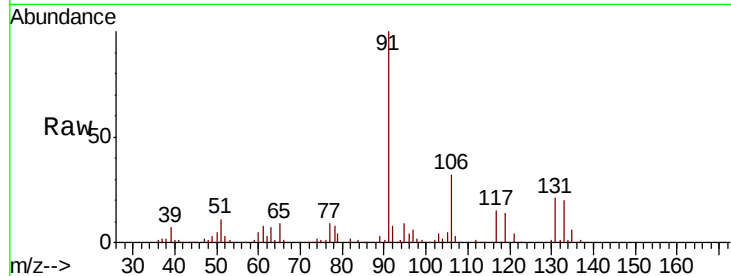
#67
Ethyl Benzene
Concen: 19.934 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 441975
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

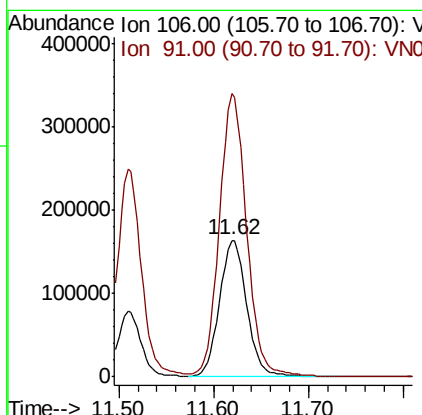
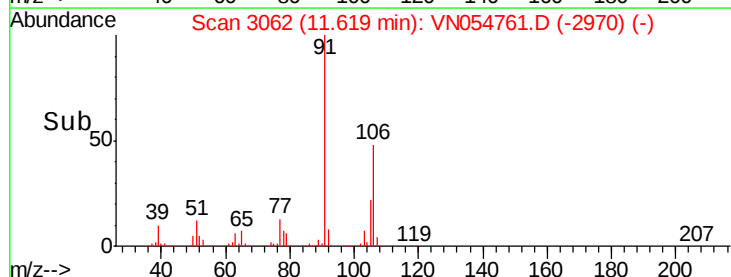
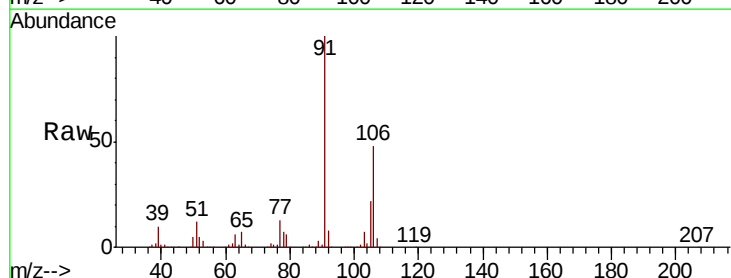
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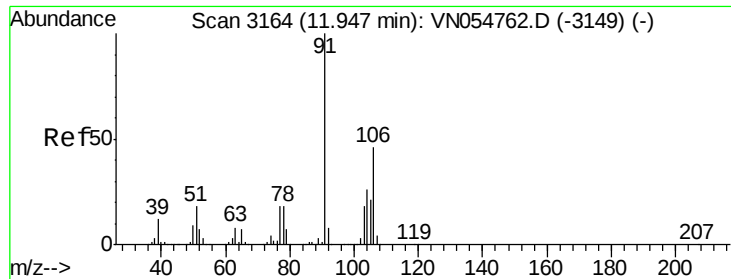
MMDadoda
4/1/2019 4:00:02 PM



#68
m/p-Xylenes
Concen: 40.242 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion: 106 Resp: 330187
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2





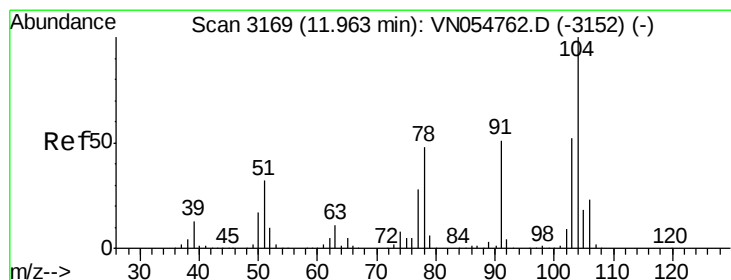
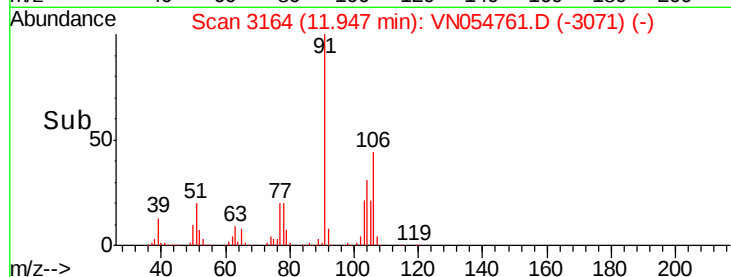
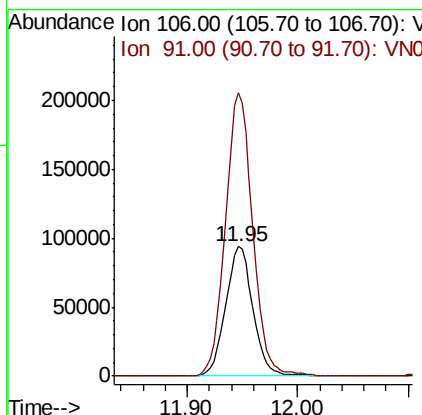
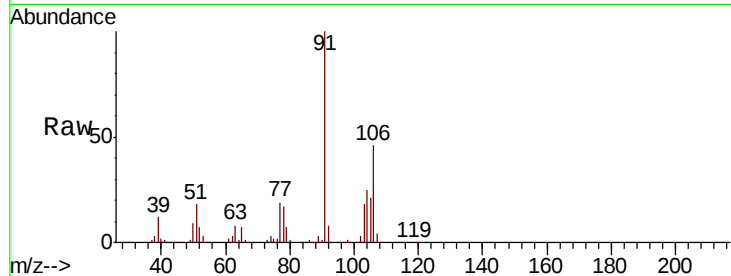
#69
o-Xylene
Concen: 20.104 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		161758		
91	217.3	105.7	317.1		

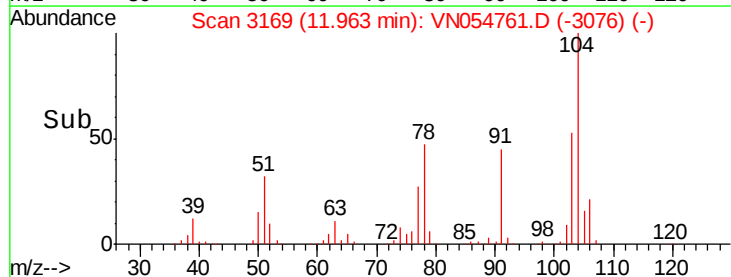
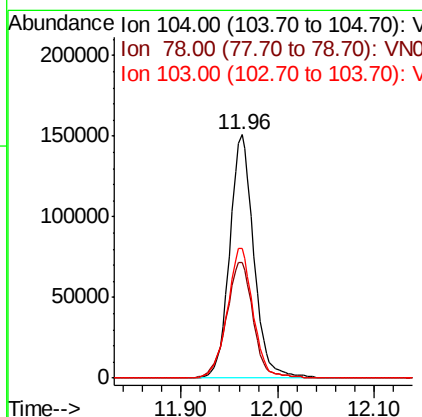
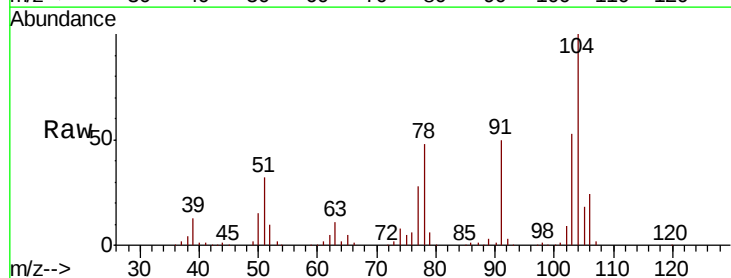
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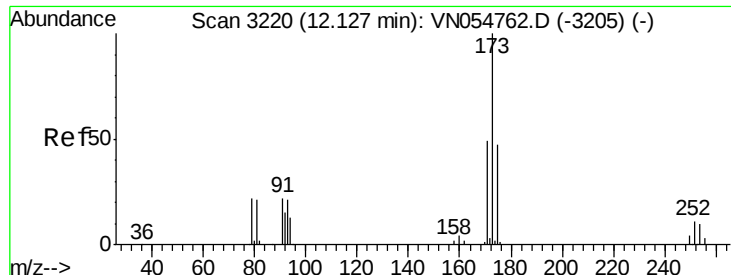
MMDadoda
4/1/2019 4:00:02 PM



#70
Styrene
Concen: 20.315 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		261344		
78	52.8	38.2	57.2		
103	57.1	44.4	66.6		





#71

Bromoform

Concen: 19.498 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

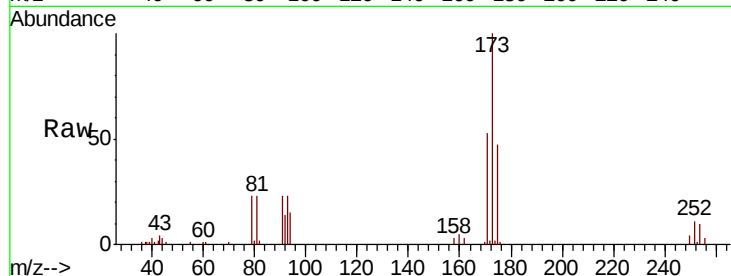
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.0	0.1	0.1#

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4/1/2019 4:00:02 PM

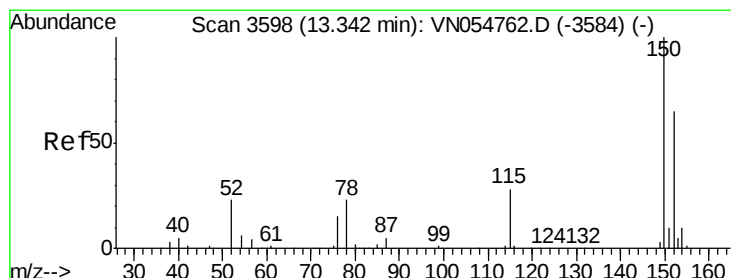
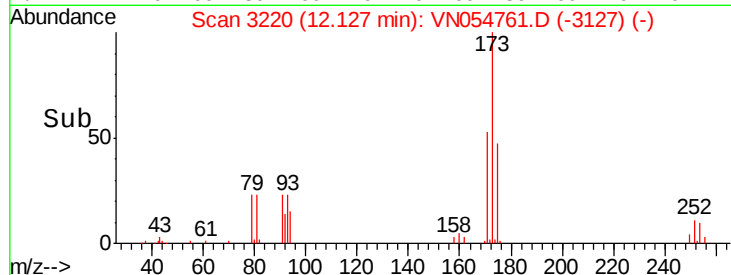
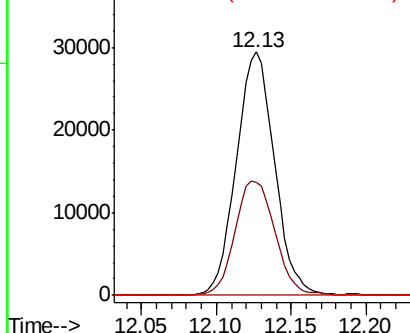


Abundance

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: VN054761.D

Acq: 29 Mar 2019 10:53

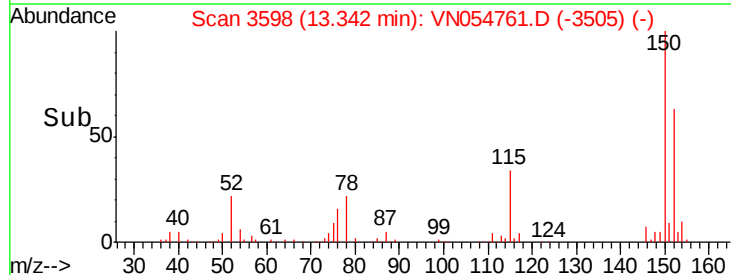
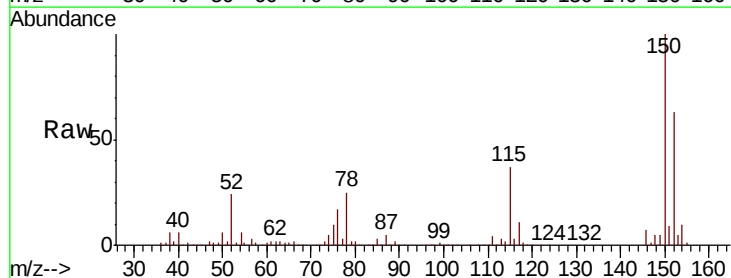
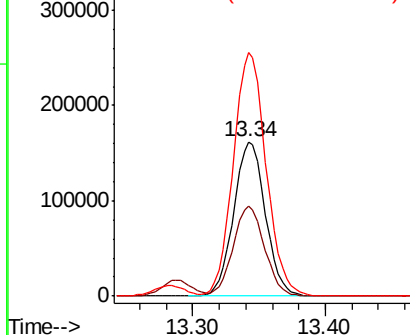
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	163.5	0.0	349.2

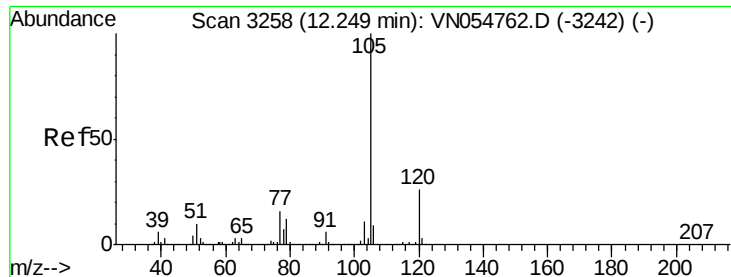
Abundance

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





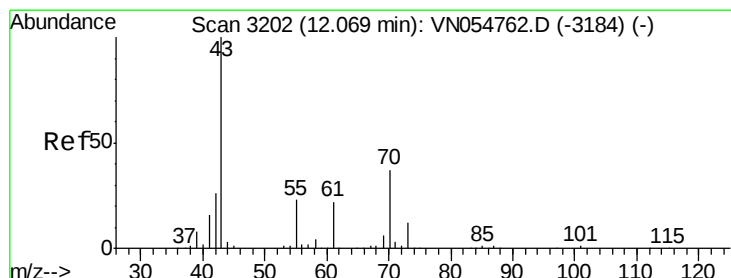
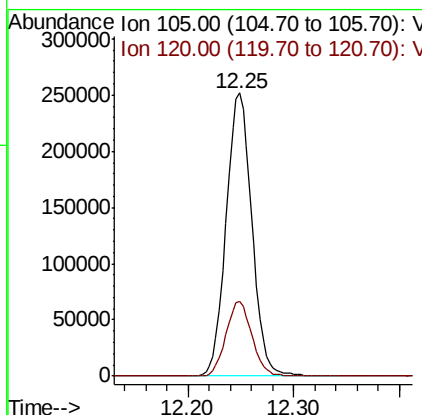
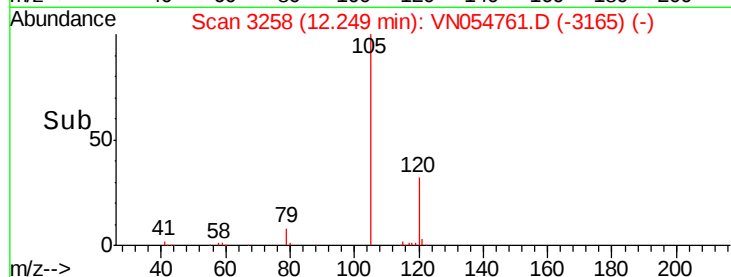
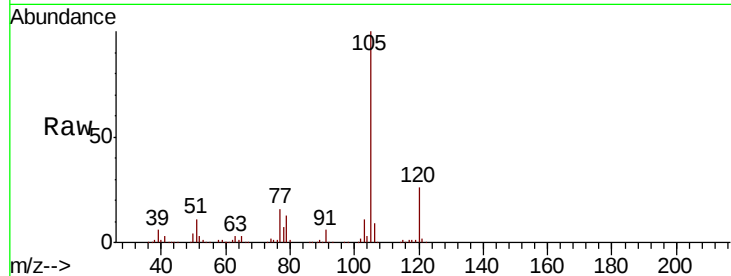
#73
Isopropylbenzene
Concen: 19.404 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.8	41.3

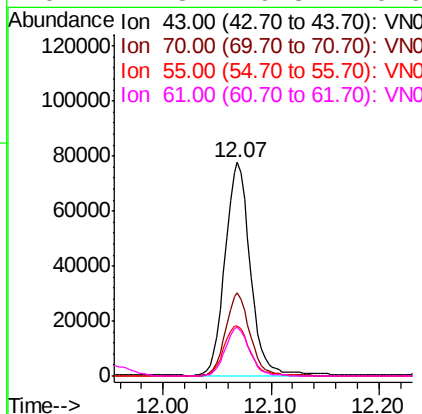
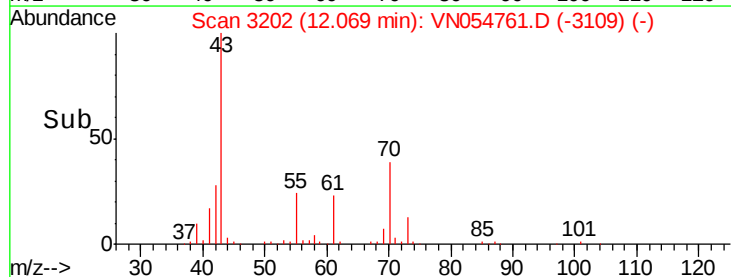
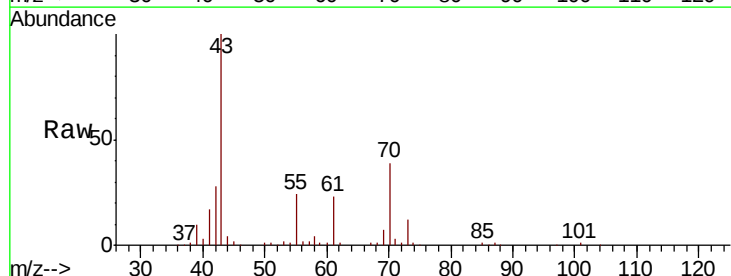
Manual Integrations
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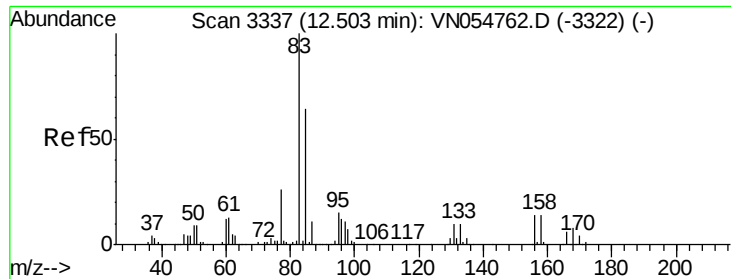
MMDadoda
4/1/2019 4:00:02 PM



#74
N-ethyl acetate
Concen: 18.583 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.7	35.4	53.0
55	24.5	19.8	29.6
61	21.8	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.923 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

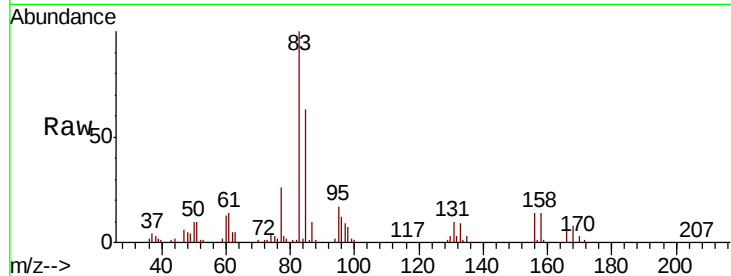
ClientSampleId :

VSTDIC020

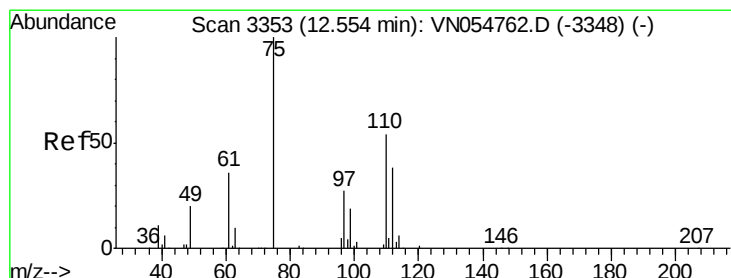
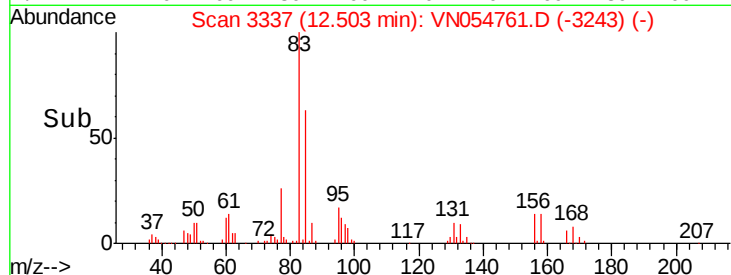
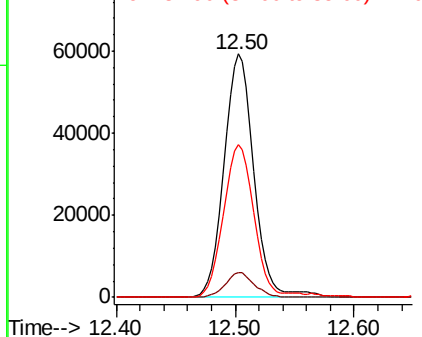
Tot Ion:	83	Resp:	102870
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.8	17.4
85	63.5	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 20.406 ug/l m

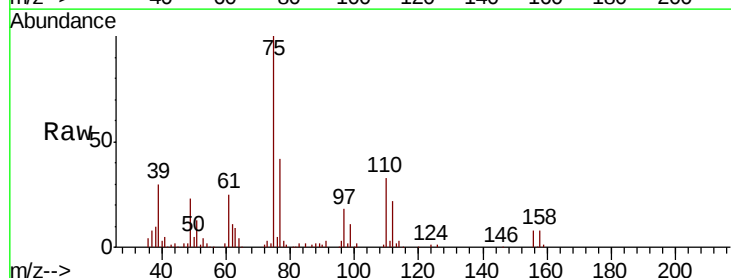
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

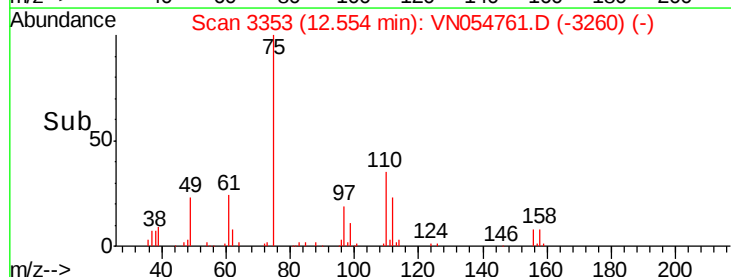
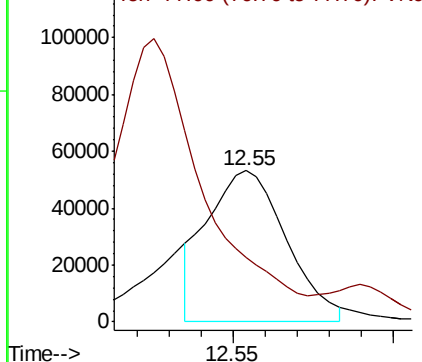
Lab File: VN054761.D

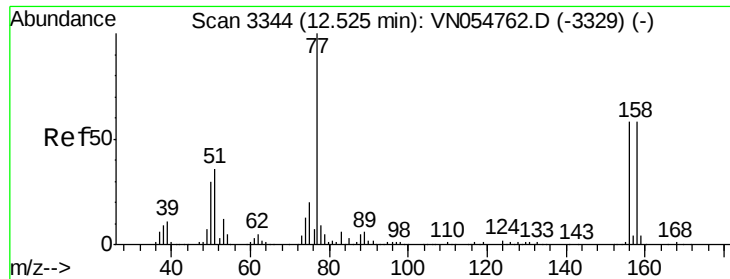
Acq: 29 Mar 2019 10:53

Tgt Ion:	75	Resp:	91771
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.408 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

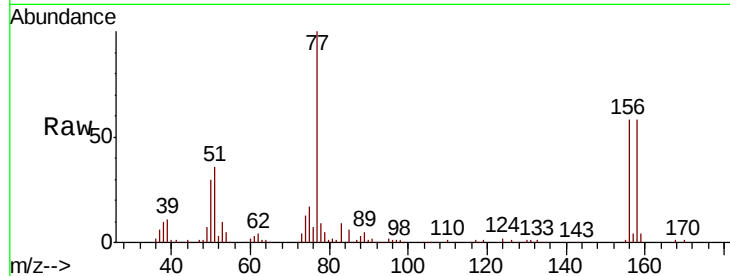
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	102533
Ion Ratio	Lower	Upper	
156	100		
77	195.1	81.5	244.4
158	99.6	49.0	147.2

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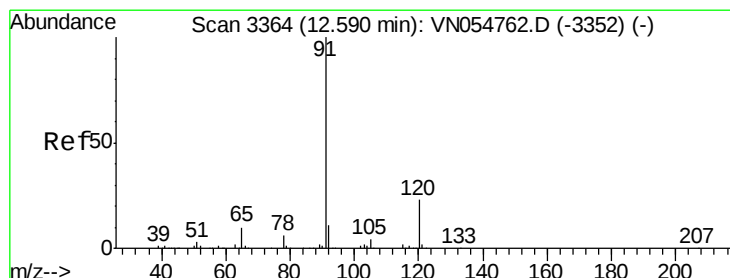
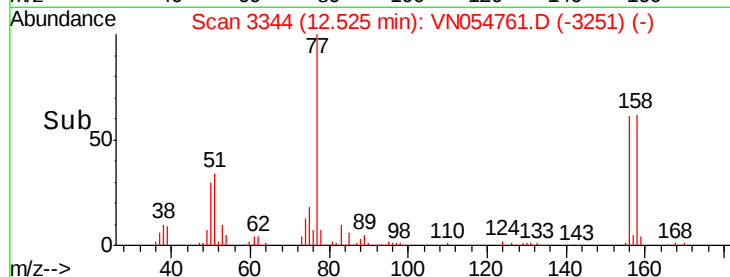
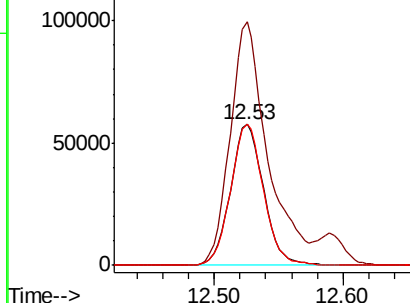
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.693 ug/l

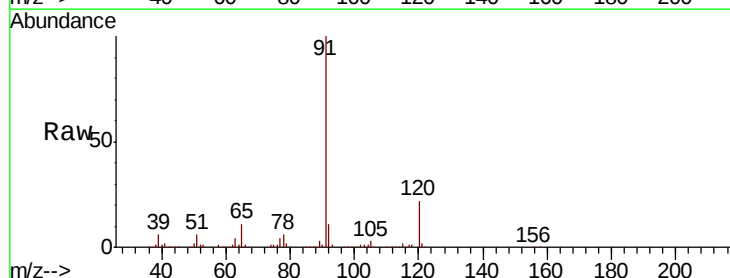
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054761.D

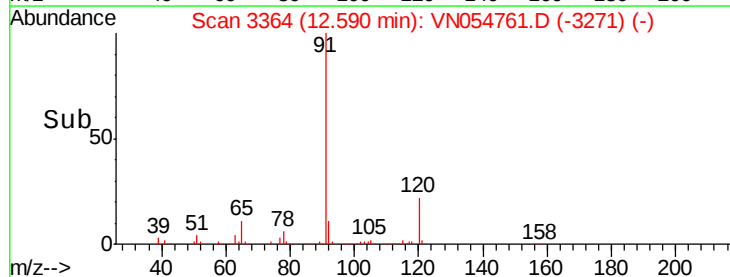
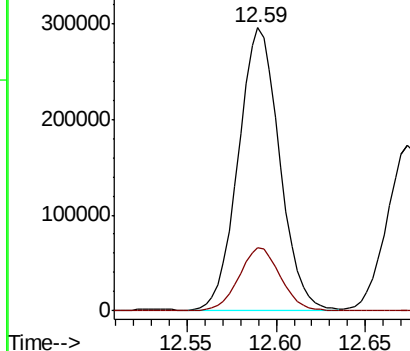
Acq: 29 Mar 2019 10:53

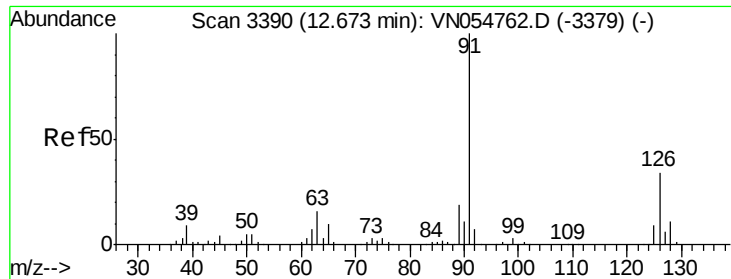
Tgt Ion:	91	Resp:	473804
Ion Ratio	Lower	Upper	
91	100		
120	22.7	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.440 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 289364

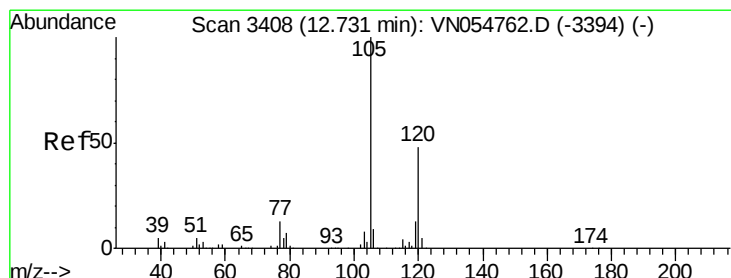
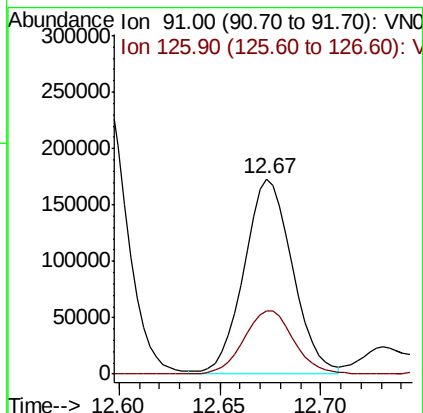
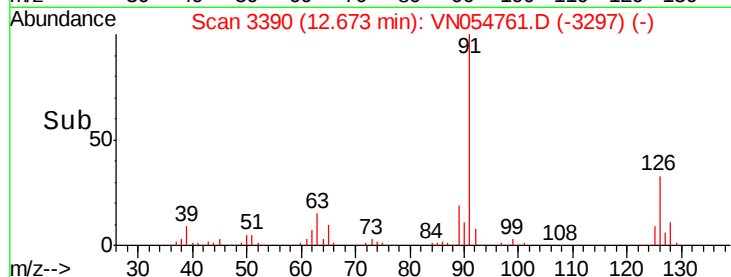
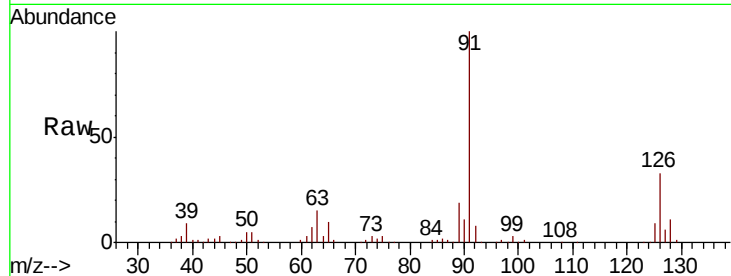
Ion Ratio Lower Upper

91 100

126 34.0 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.418 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054761.D

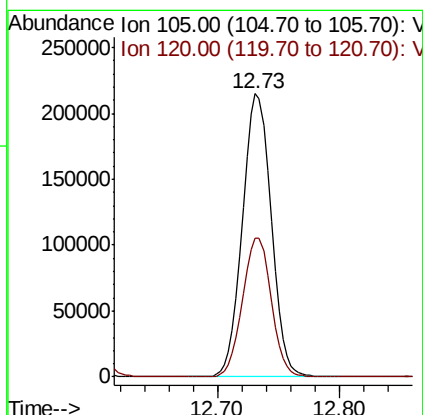
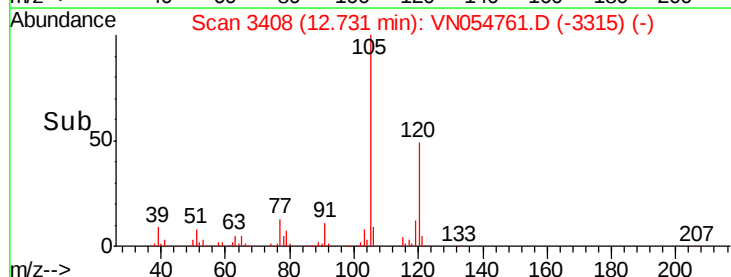
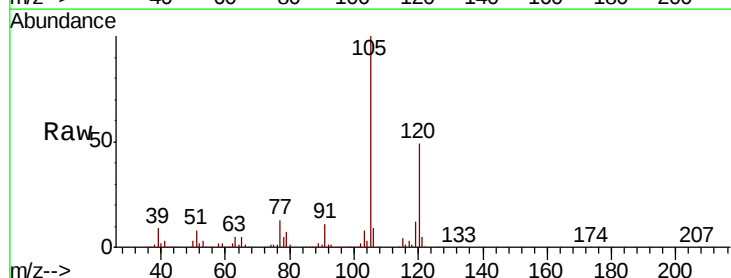
Acq: 29 Mar 2019 10:53

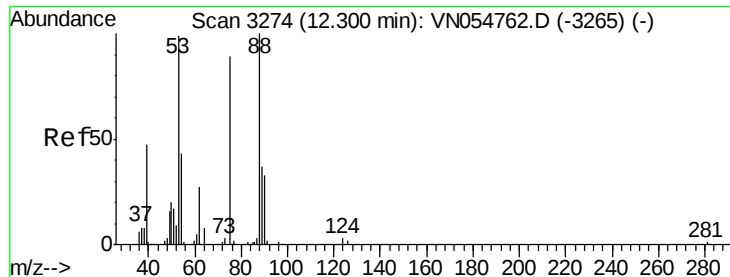
Tgt Ion: 105 Resp: 348775

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0





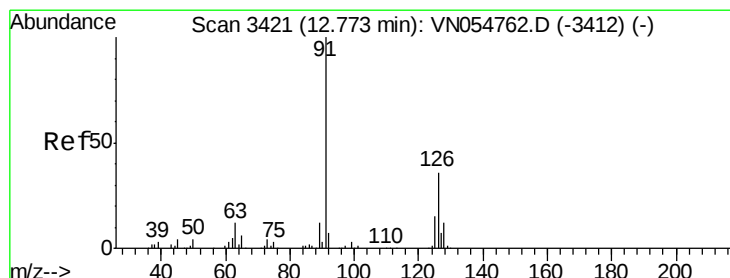
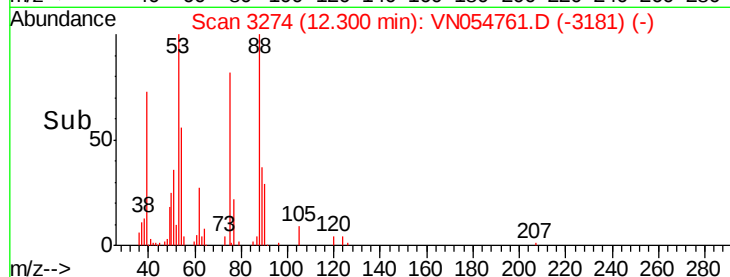
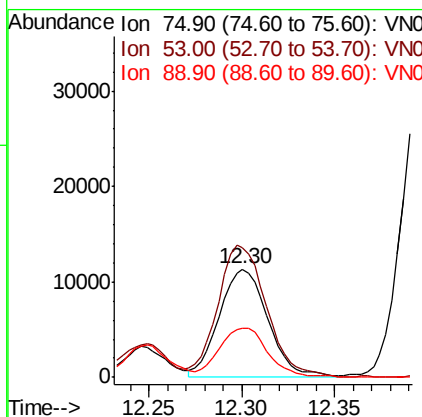
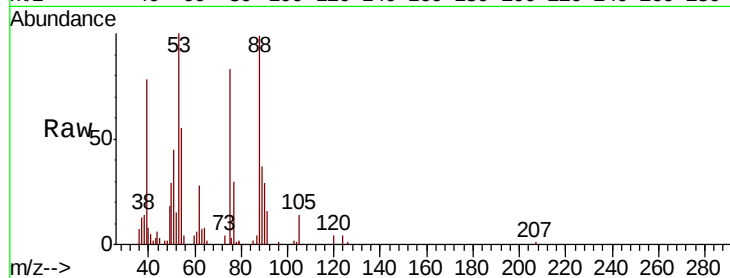
#81
trans-1,4-Dichloro-2-butene
Concen: 17.362 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.2	76.2	114.2#
89	42.2	39.2	58.8

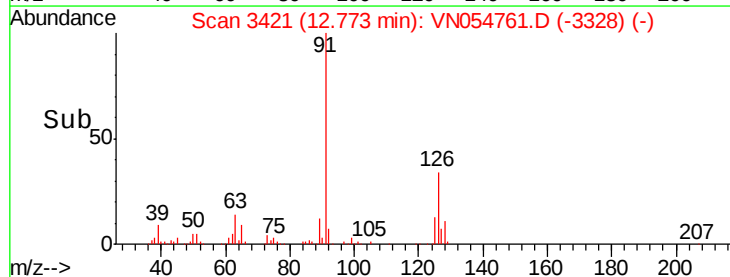
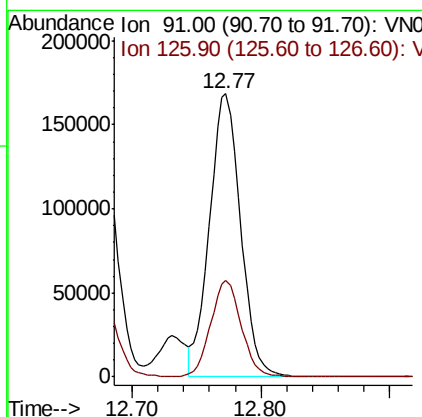
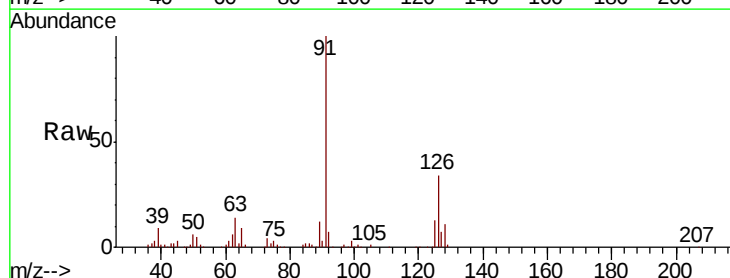
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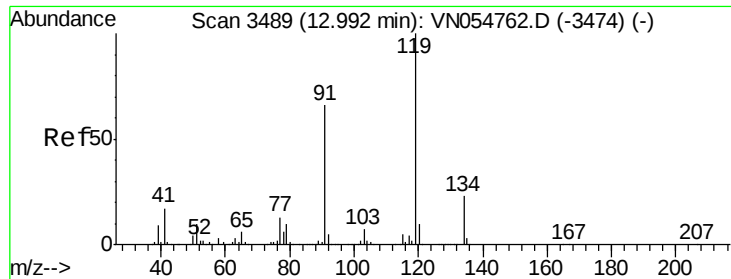
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#82
4-Chlorotoluene
Concen: 19.447 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.1	54.1





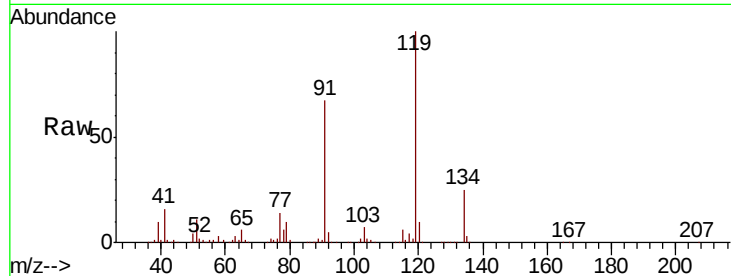
#83
tert-Butylbenzene
Concen: 19.504 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

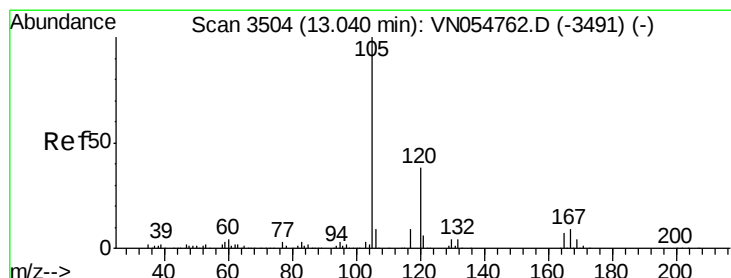
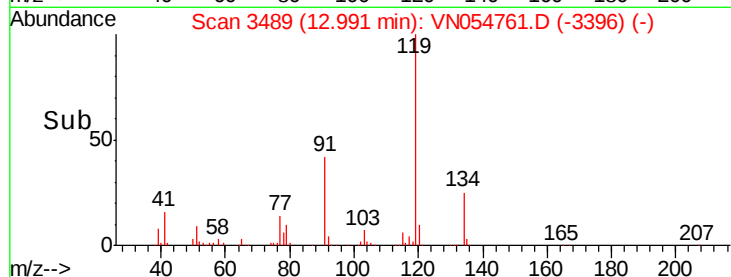
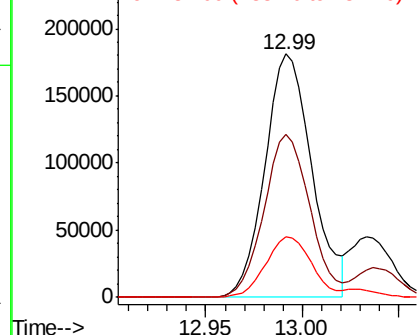
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	30.9	92.8
134	24.4	13.2	39.6

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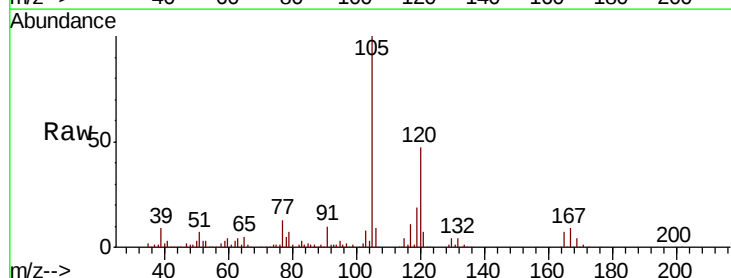


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

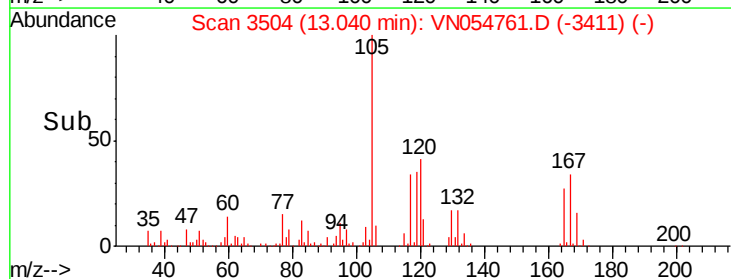
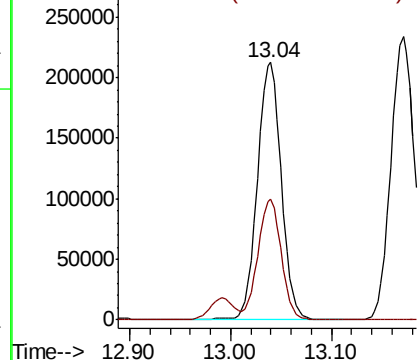


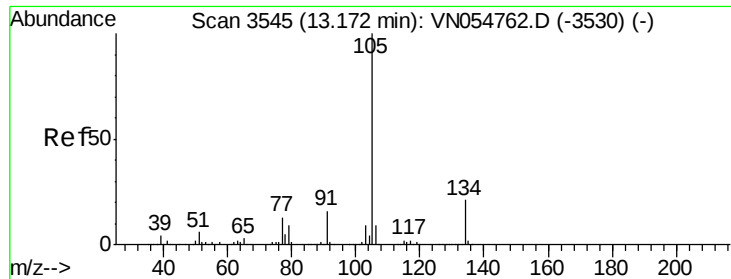
#84
1,2,4-Trimethylbenzene
Concen: 20.227 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.725 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 384865

Ion Ratio Lower Upper

105 100

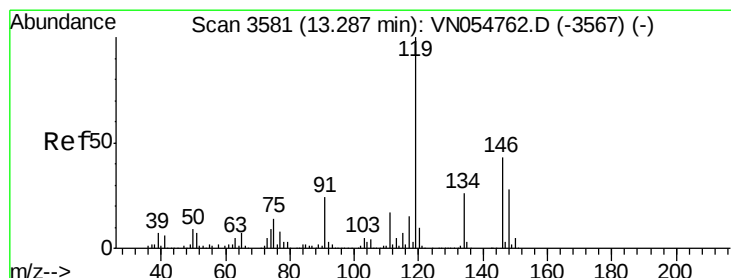
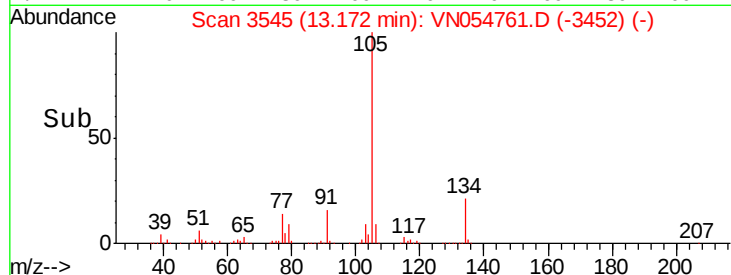
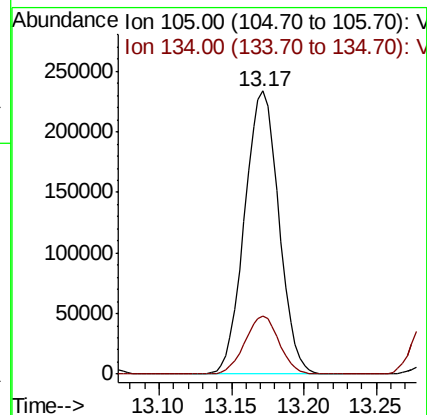
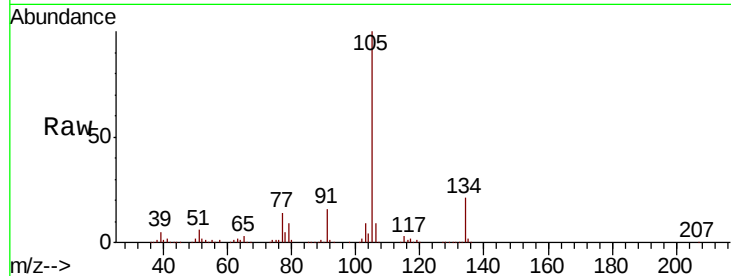
134 20.5 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.694 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

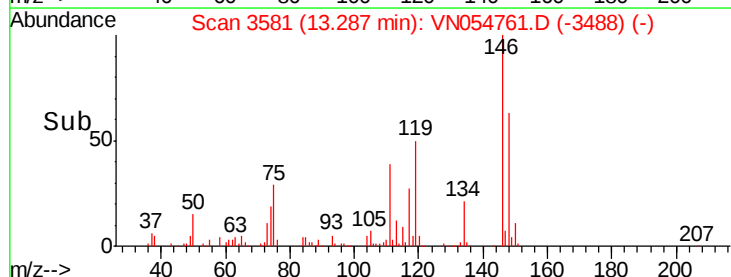
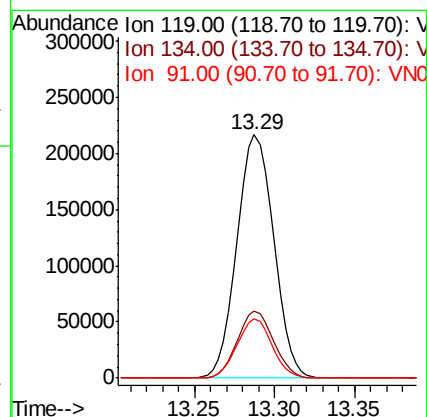
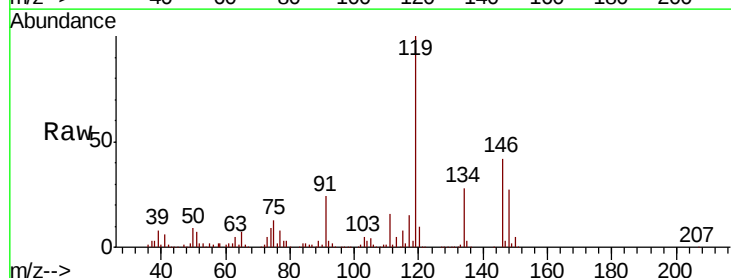
Tgt Ion:119 Resp: 338929

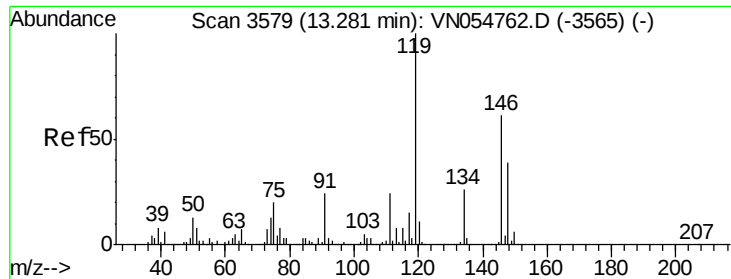
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 23.3 11.1 33.3





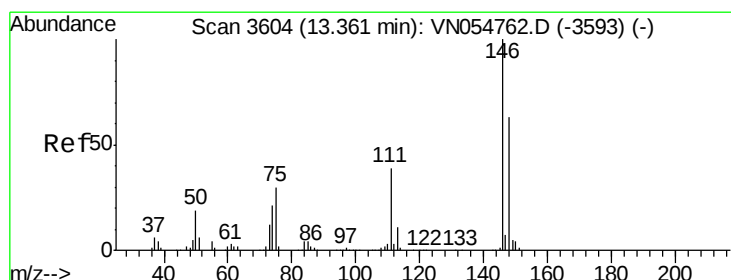
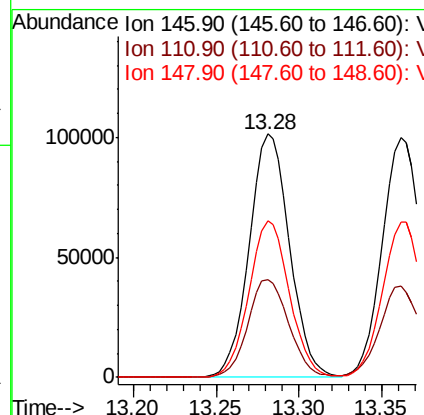
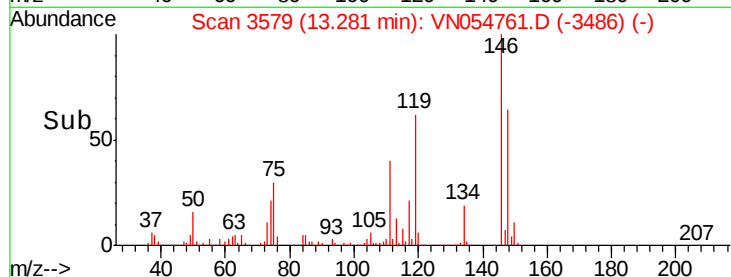
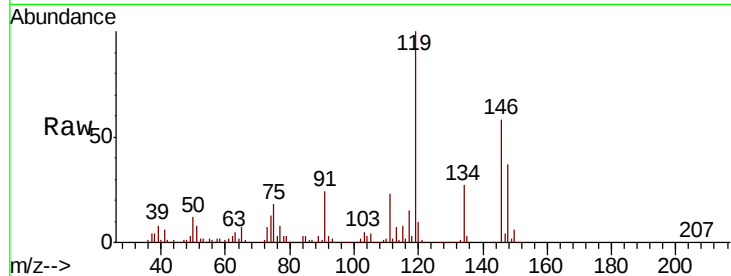
#87
 1,3-Dichlorobenzene
 Concen: 19.372 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.8	56.3
148	64.5	32.2	96.6

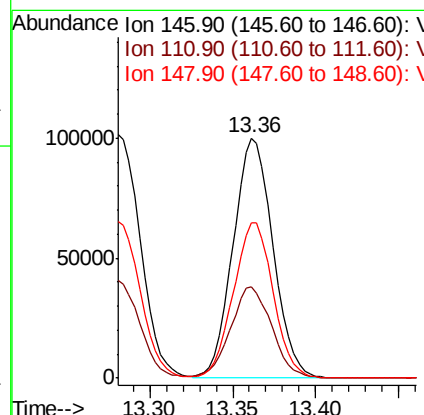
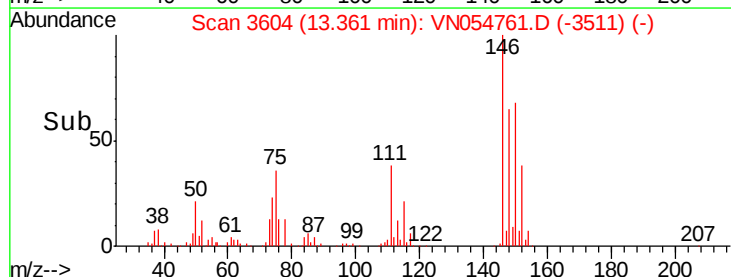
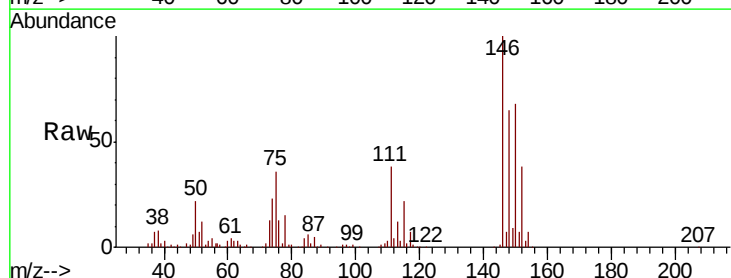
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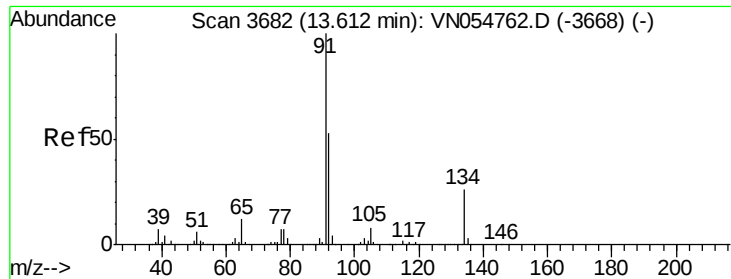
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#88
 1,4-Dichlorobenzene
 Concen: 19.289 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.1	54.1
148	64.7	32.0	96.0





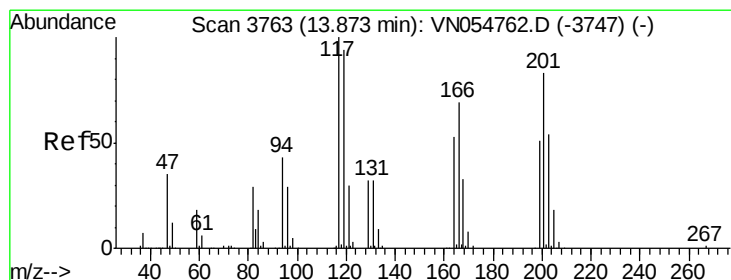
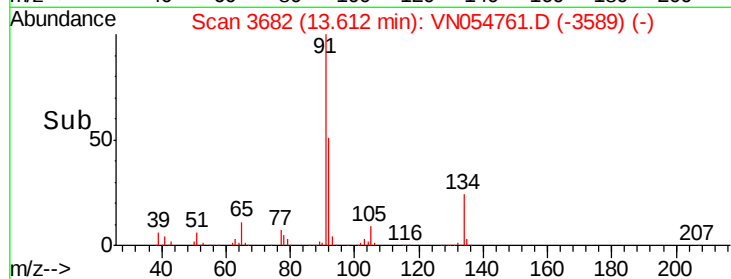
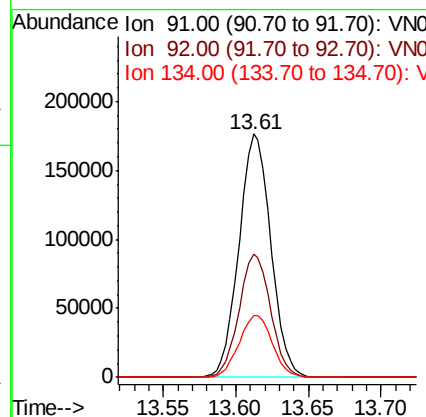
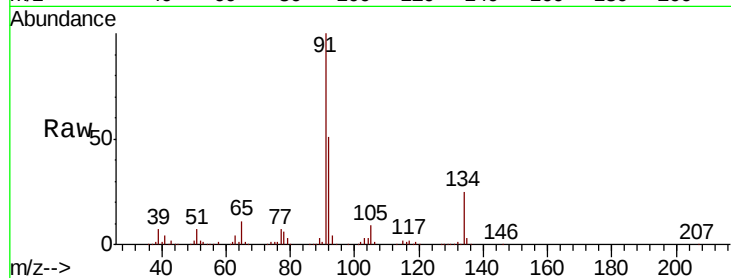
#89
n-Butylbenzene
Concen: 19.212 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	26.2	78.6
134	26.5	14.3	42.9

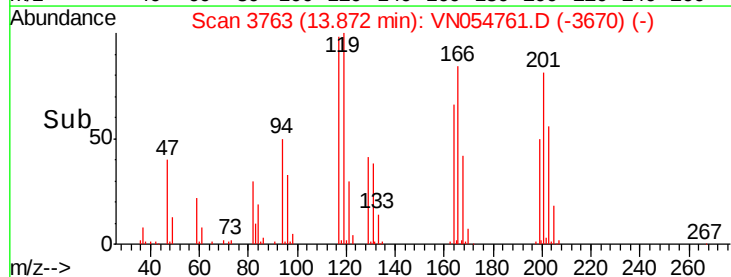
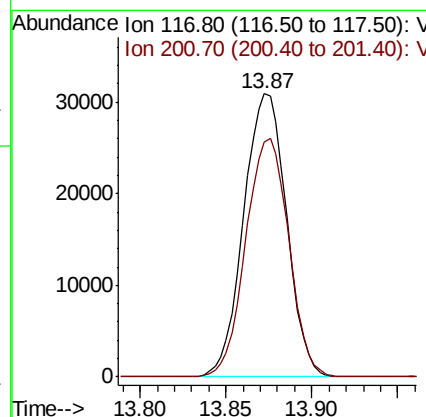
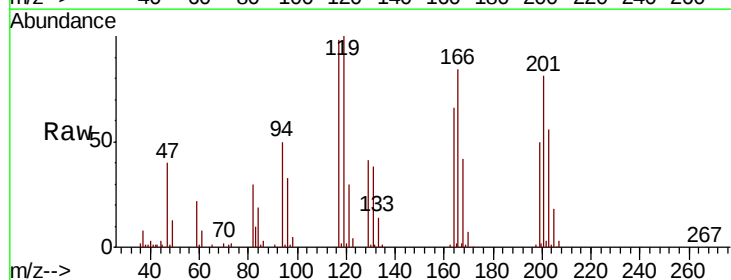
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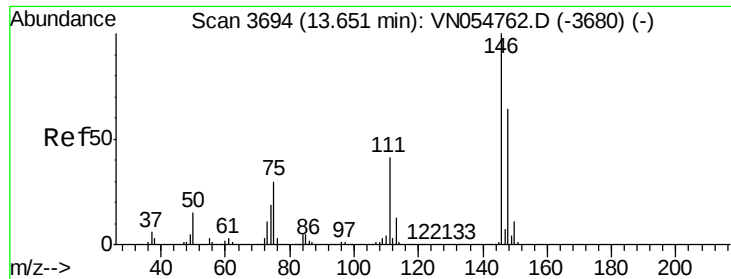
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#90
Hexachloroethane
Concen: 18.340 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054761.D
Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 19.290 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

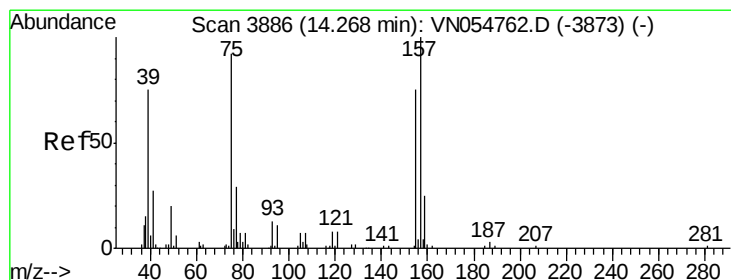
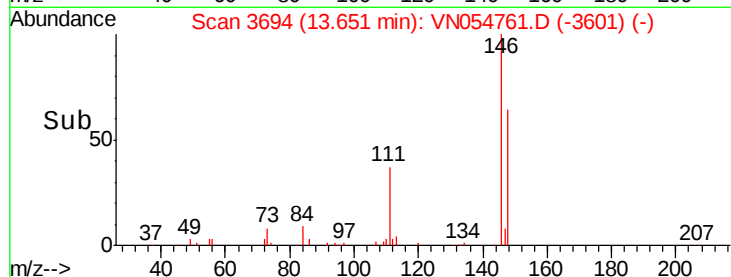
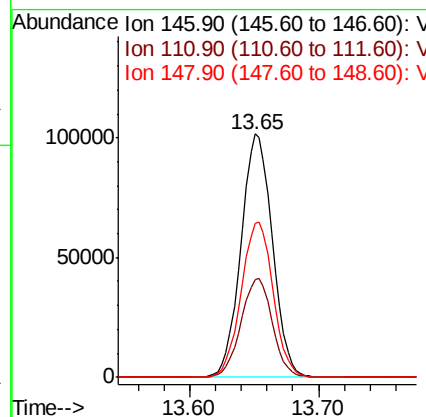
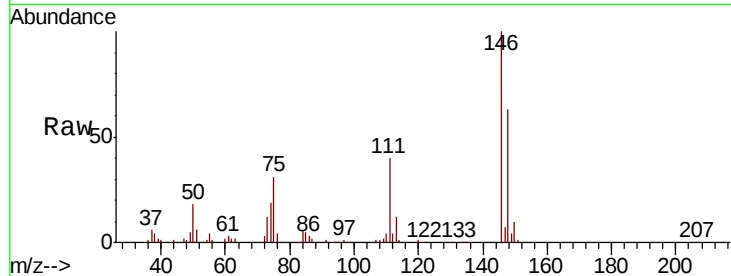
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	172197
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.1	57.3
148	64.8	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.355 ug/l

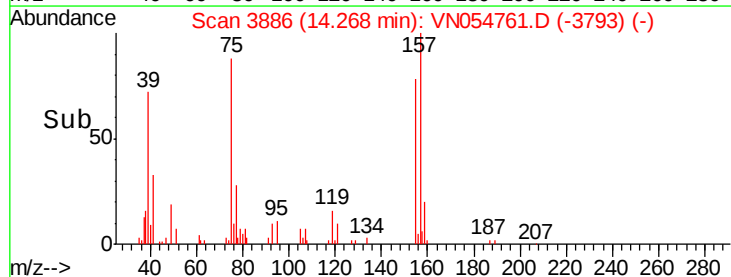
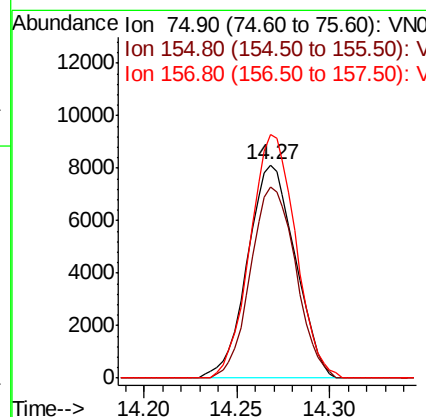
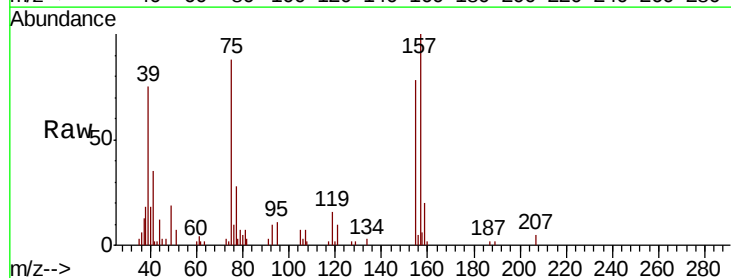
RT: 14.27 min Scan# 3886

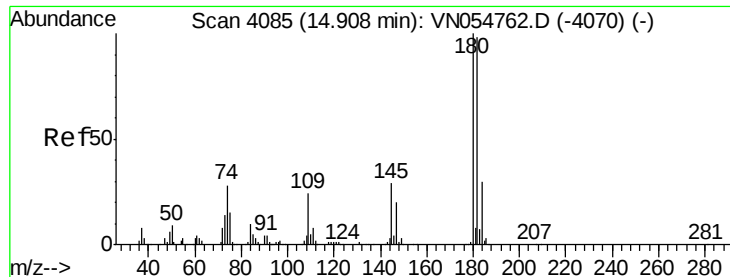
Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Tgt Ion:	75	Resp:	14484
Ion Ratio	Lower	Upper	
75	100		
155	85.3	50.1	150.3
157	109.3	63.1	189.3





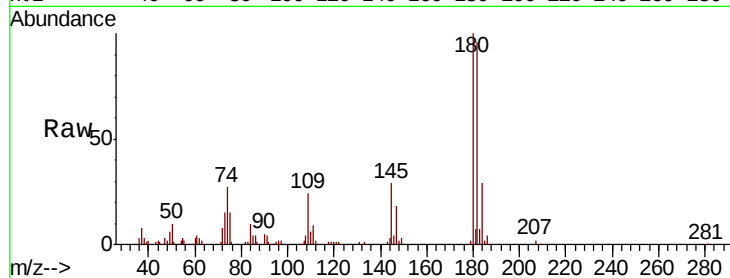
#93
 1,2,4-Trichlorobenzene
 Concen: 17.648 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.0	144.2
145	30.5	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:02 PM

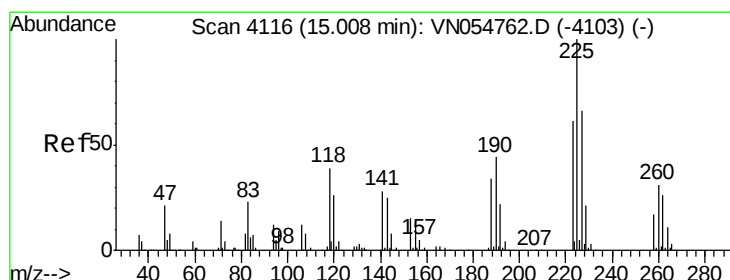
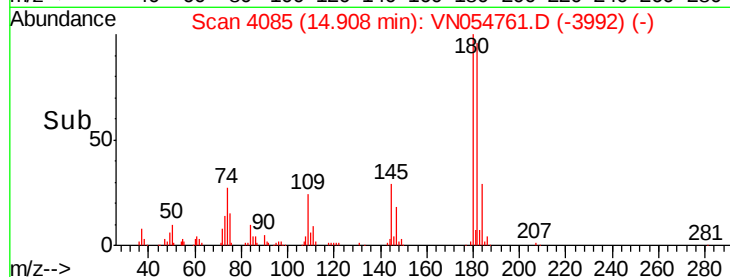
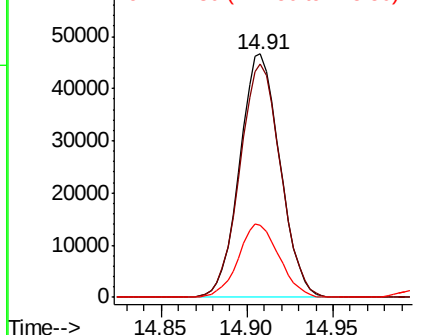


Abundance

Ion 179.80 (179.50 to 180.50): V

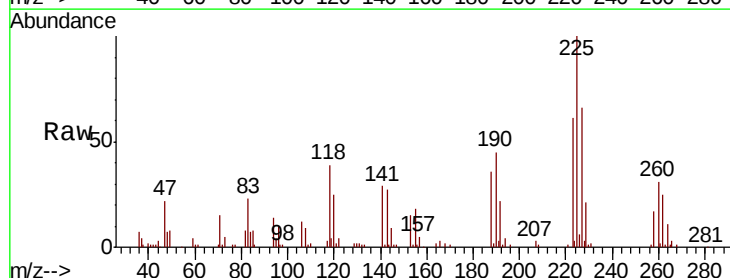
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.992 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054761.D
 Acq: 29 Mar 2019 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.5
227	64.4	31.9	95.9

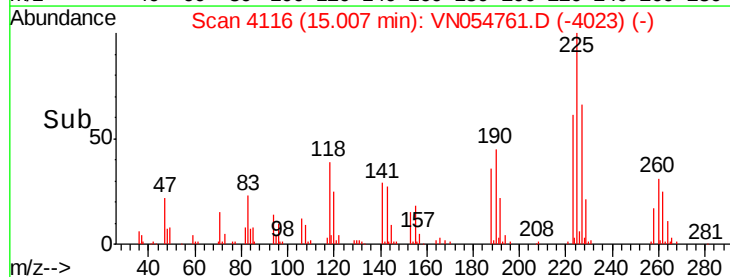
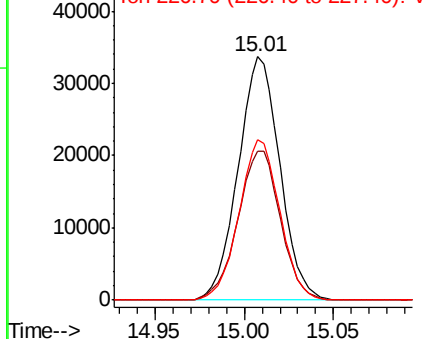


Abundance

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: 17.388 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Instrument :

MSVOA_N

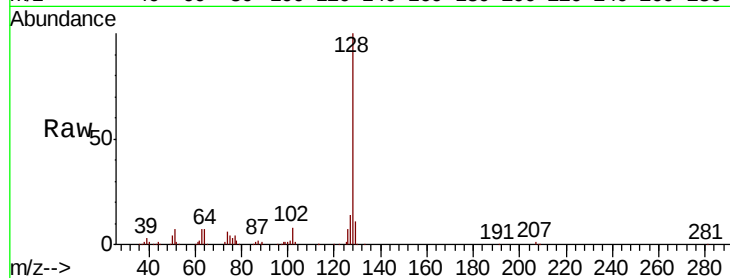
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	167839
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:02 PM

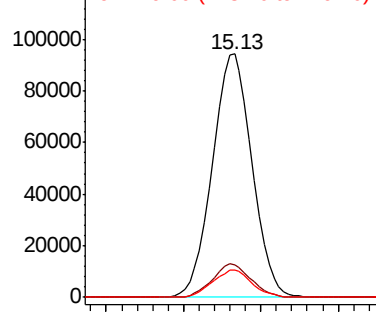


Abundance

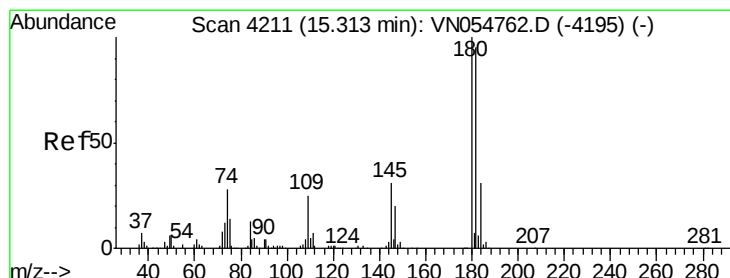
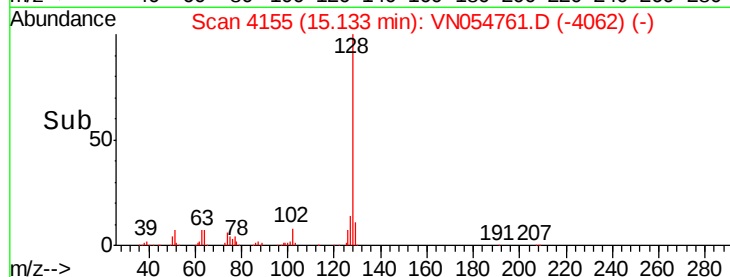
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.495 ug/l

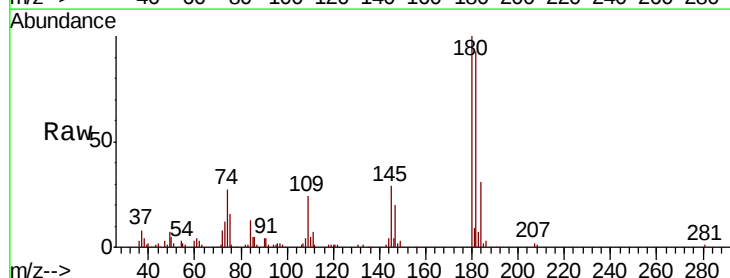
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054761.D

Acq: 29 Mar 2019 10:53

Tgt Ion:	180	Resp:	80386
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.6
145	30.7	14.8	44.3

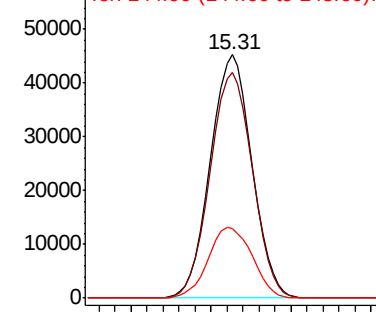


Abundance

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



Time-->

