

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054616.D
 Acq On : 23 Mar 2019 21:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:07:33 AM

Quant Time: Mar 25 04:43:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	413801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	705464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293726	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
35) Dibromofluoromethane	7.59	113	233975	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	862306	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	300515	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	216363	54.695	ug/l	97
3) Chloromethane	2.06	50	298116	55.389	ug/l	100
4) Vinyl Chloride	2.19	62	282166	52.217	ug/l	100
5) Bromomethane	2.57	94	157865	45.179	ug/l	98
6) Chloroethane	2.71	64	156920	48.415	ug/l	99
7) Trichlorofluoromethane	3.02	101	342642	52.213	ug/l	99
8) Diethyl Ether	3.41	74	118086	46.788	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	178516	46.286	ug/l	93
10) Methyl Iodide	3.94	142	265181	46.742	ug/l #	89
11) Tert butyl alcohol	4.82	59	94069	301.878	ug/l	99
12) 1,1-Dichloroethene	3.73	96	176710	44.274	ug/l #	73
13) Acrolein	3.61	56	30954	71.981	ug/l	94
14) Allyl chloride	4.32	41	427540	56.885	ug/l #	91
15) Acrylonitrile	5.00	53	470073	302.921	ug/l	99
16) Acetone	3.82	43	333398	215.449	ug/l #	82
17) Carbon Disulfide	4.04	76	540598	50.551	ug/l	99
18) Methyl Acetate	4.33	43	214662	62.237	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	665858	57.164	ug/l	97
20) Methylene Chloride	4.54	84	247905	54.346	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	225226	55.263	ug/l	86
22) Diisopropyl ether	5.96	45	901819	60.832	ug/l #	95
23) Vinyl Acetate	5.90	43	3296473	314.841	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	472588	59.206	ug/l	97
25) 2-Butanone	6.85	43	596233	300.781	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	274344	48.215	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	266286	54.778	ug/l	88
28) Bromochloromethane	7.19	49	235230	59.870	ug/l #	71
29) Tetrahydrofuran	7.22	42	412653	320.788	ug/l #	83
30) Chloroform	7.37	83	448447	57.568	ug/l	97
31) Cyclohexane	7.65	56	429024	56.327	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	377170	58.688	ug/l	96
36) 1,1-Dichloropropene	7.79	75	339628	51.489	ug/l	95
37) Ethyl Acetate	6.94	43	275133	58.646	ug/l	95
38) Carbon Tetrachloride	7.77	117	329044	51.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	366277	48.544	ug/l	89
40) Benzene	8.04	78	990511	52.514	ug/l	99
41) Methacrylonitrile	7.18	41	151445	52.933	ug/l	89
42) 1,2-Dichloroethane	8.13	62	370830	53.985	ug/l	97
43) Isopropyl Acetate	8.17	43	465914	58.805	ug/l #	93
44) Trichloroethene	8.83	130	258307	49.257	ug/l	93
45) 1,2-Dichloropropane	9.12	63	282501	55.777	ug/l	99
46) Dibromomethane	9.21	93	162461	53.767	ug/l	89
47) Bromodichloromethane	9.40	83	347916	55.482	ug/l	97
48) Methyl methacrylate	9.20	41	243250	56.565	ug/l #	87
49) 1,4-Dioxane	9.20	88	51776	1076.968	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	1335976	304.252	ug/l	92
52) Toluene	10.16	92	602659	51.949	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	330338	49.940	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	393893	54.782	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	224873	53.925	ug/l	97
56) Ethyl methacrylate	10.43	69	322932	57.695	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	396435	54.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613349	266.119	ug/l	89
59) 2-Hexanone	10.75	43	835789	291.402	ug/l	92
60) Dibromochloromethane	10.90	129	247170	55.701	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220919	53.586	ug/l	99
64) Tetrachloroethene	10.63	164	240556	46.833	ug/l	96
65) Chlorobenzene	11.43	112	640005	50.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245191	54.237	ug/l	99
67) Ethyl Benzene	11.51	91	1137530	51.129	ug/l	99
68) m/p-Xylenes	11.62	106	848675	100.708	ug/l	96
69) o-Xylene	11.95	106	415684	50.509	ug/l	96
70) Styrene	11.96	104	702961	52.598	ug/l	97
71) Bromoform	12.13	173	155287	49.832	ug/l #	99
73) Isopropylbenzene	12.25	105	1089685	49.835	ug/l	98
74) N-amyl acetate	12.07	43	386843	61.528	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	286829	57.464	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232507m	53.997	ug/l	
77) Bromobenzene	12.53	156	274328	50.585	ug/l	85
78) n-propylbenzene	12.59	91	1203071	50.740	ug/l	97
79) 2-Chlorotoluene	12.67	91	740194	50.061	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	889843	49.653	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63570	50.838	ug/l	85
82) 4-Chlorotoluene	12.77	91	730174	50.947	ug/l	96
83) tert-Butylbenzene	12.99	119	769798	49.348	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	889835	50.603	ug/l	97
85) sec-Butylbenzene	13.17	105	967044	49.730	ug/l	97
86) p-Isopropyltoluene	13.29	119	855581	49.179	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	452838	50.389	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	440855	50.418	ug/l	98
89) n-Butylbenzene	13.61	91	688939	50.644	ug/l	98
90) Hexachloroethane	13.87	117	147441	54.598	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	450060	51.704	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43125	58.903	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	221417	51.026	ug/l	99
94) Hexachlorobutadiene	15.01	225	124051	50.928	ug/l	99
95) Naphthalene	15.13	128	521328	53.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	223543	51.760	ug/l	99

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

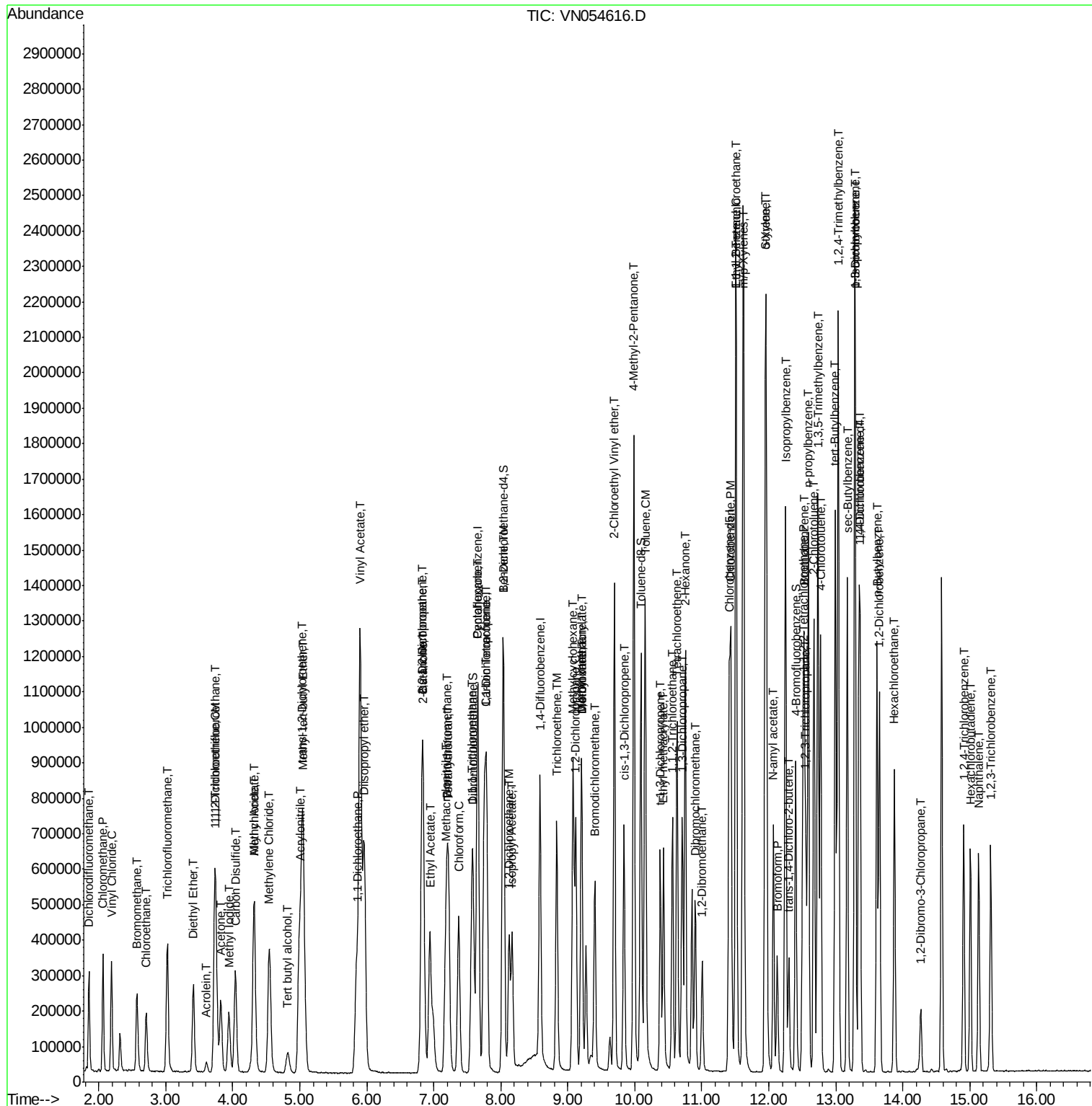
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 413801

Ion Ratio Lower Upper

168 100

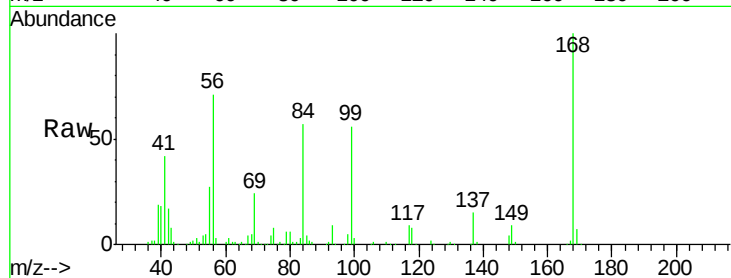
99 54.6 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

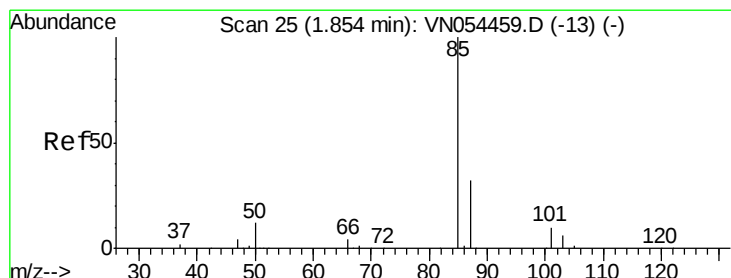
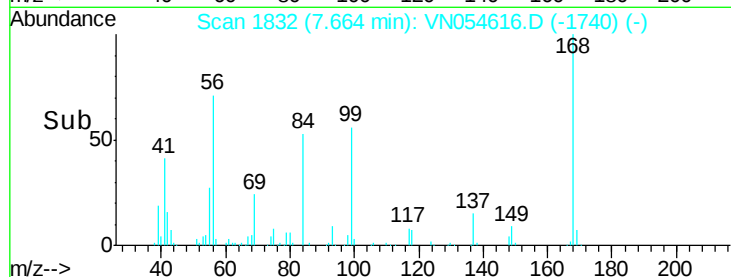
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 54.695 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054616.D

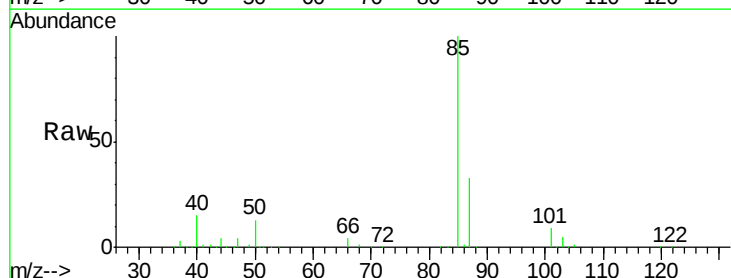
Acq: 23 Mar 2019 21:01

Tgt Ion: 85 Resp: 216363

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

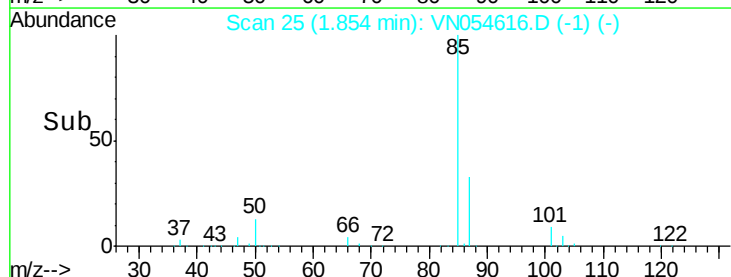
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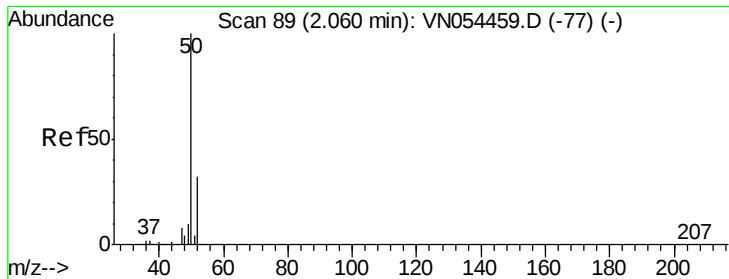
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 55.389 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 298116

Ion Ratio Lower Upper

50 100

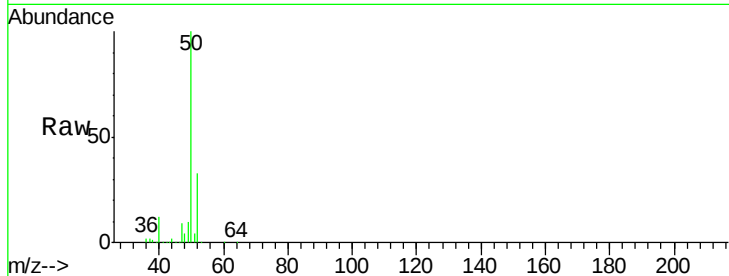
52 32.8 26.4 39.6

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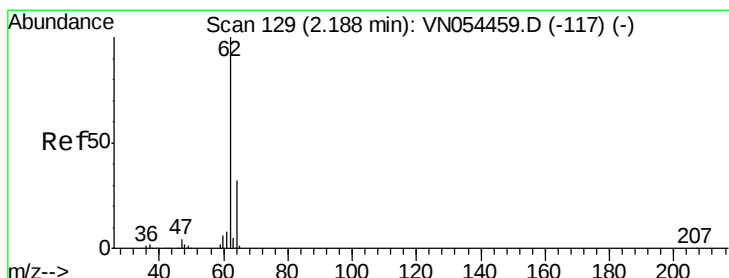
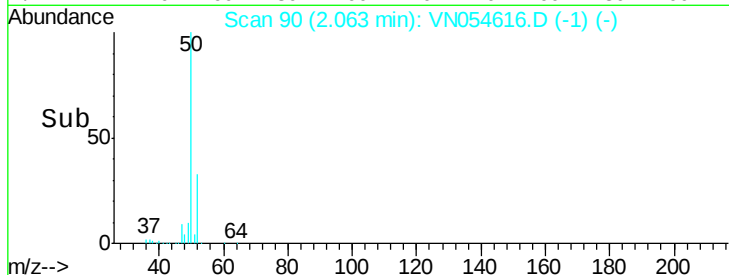
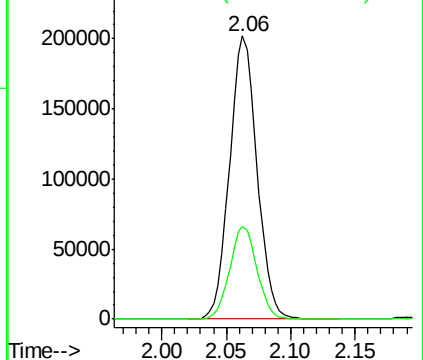
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.217 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054616.D

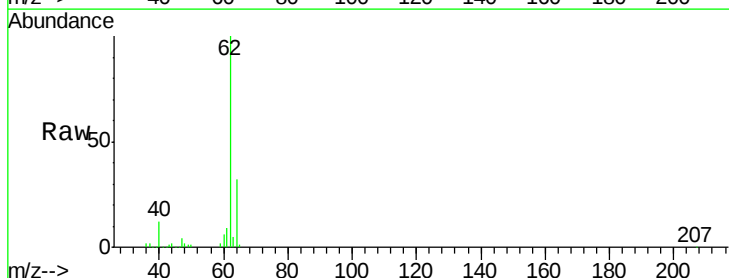
Acq: 23 Mar 2019 21:01

Tgt Ion: 62 Resp: 282166

Ion Ratio Lower Upper

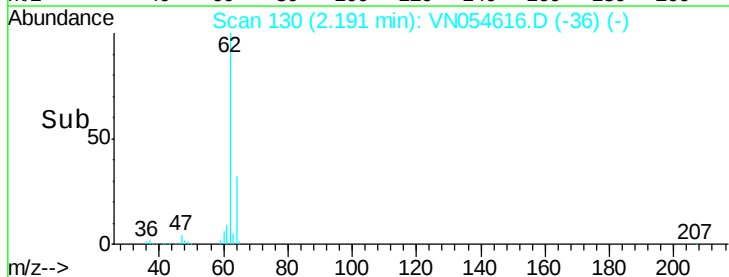
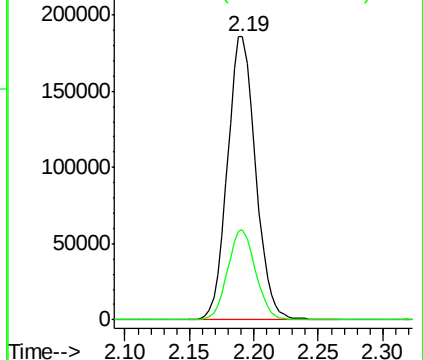
62 100

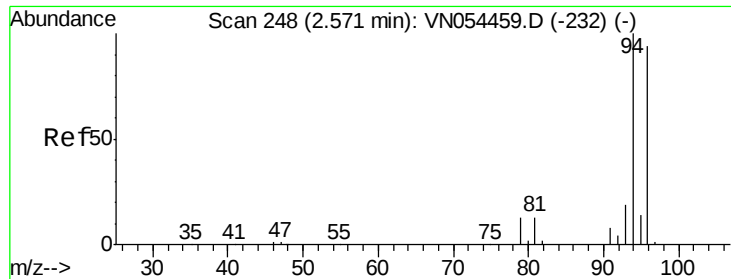
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.179 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 157865

Ion Ratio Lower Upper

94 100

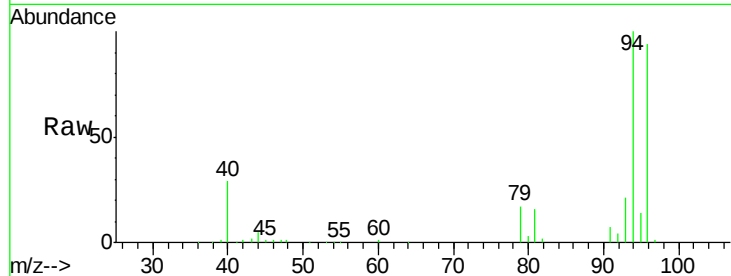
96 93.9 77.0 115.4

Manual Integrations

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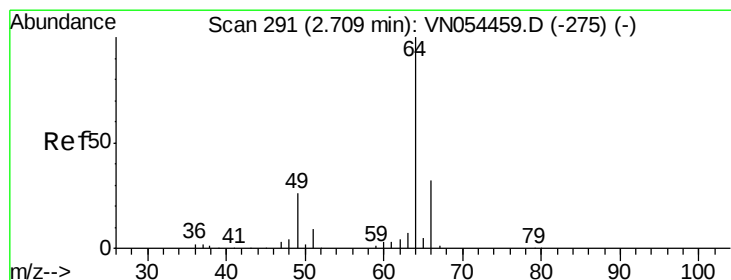
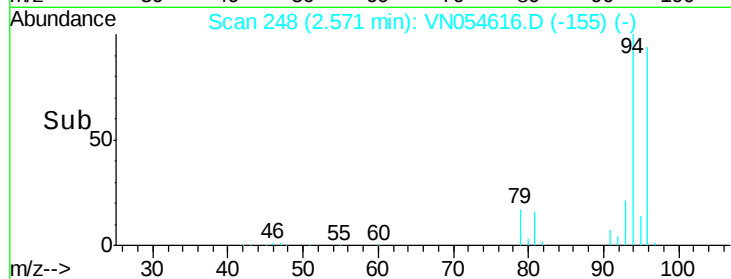
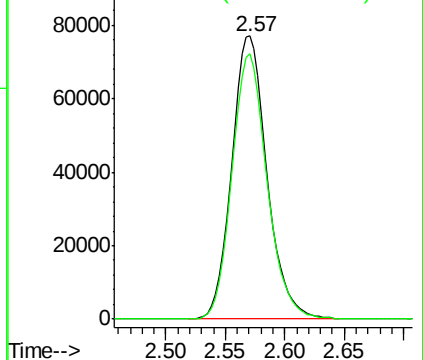
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.415 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054616.D

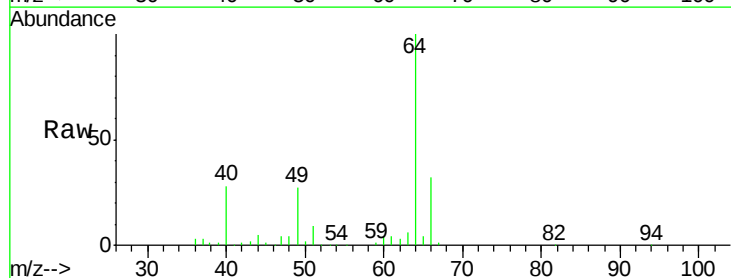
Acq: 23 Mar 2019 21:01

Tgt Ion: 64 Resp: 156920

Ion Ratio Lower Upper

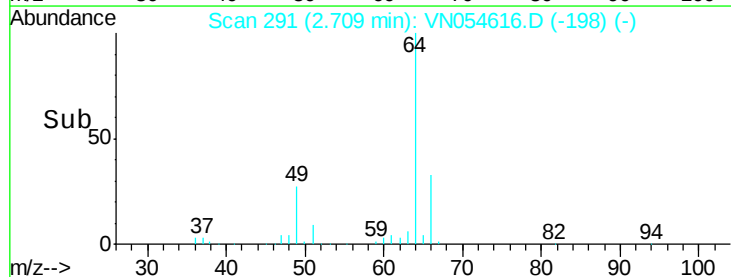
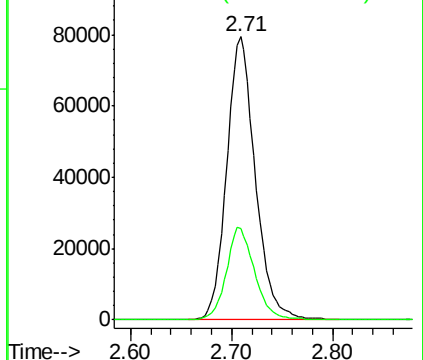
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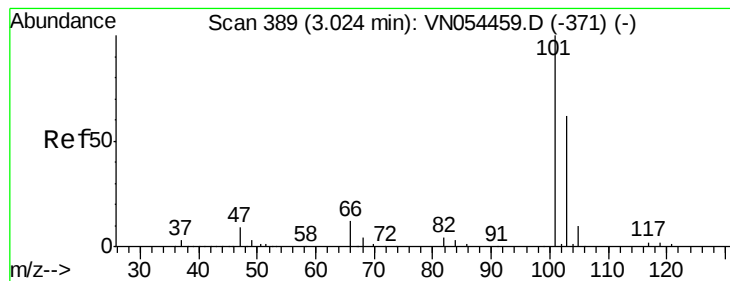
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





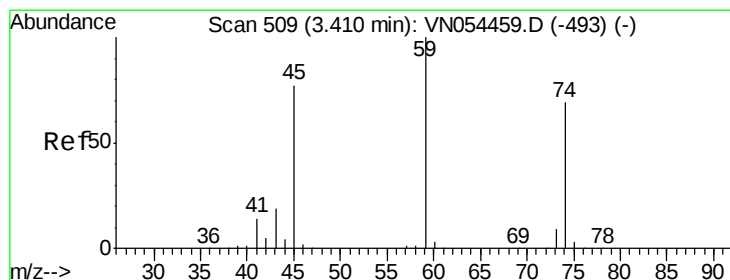
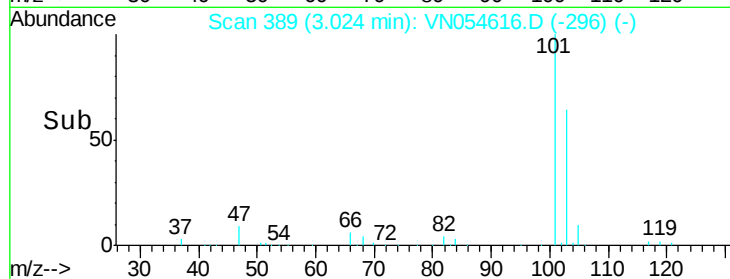
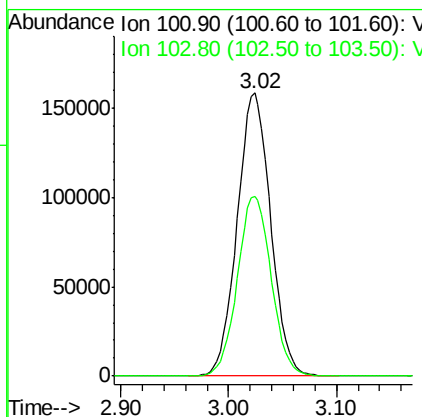
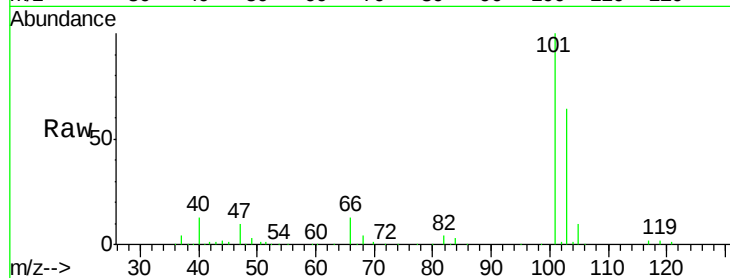
#7
 Trichlorofluoromethane
 Concen: 52.213 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.2

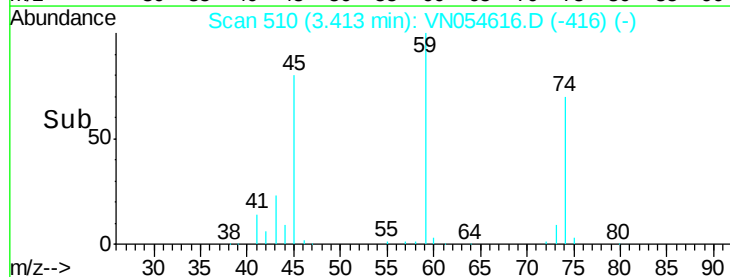
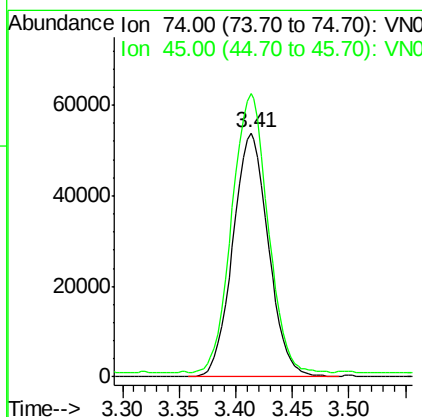
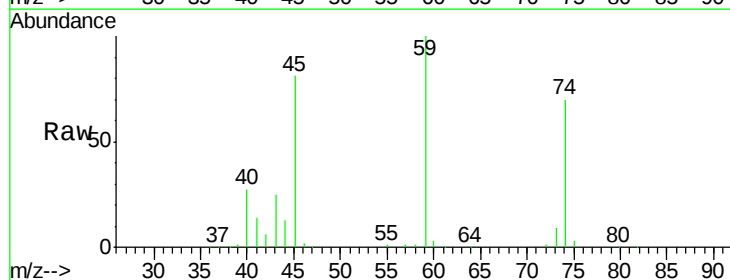
Manual Integrations
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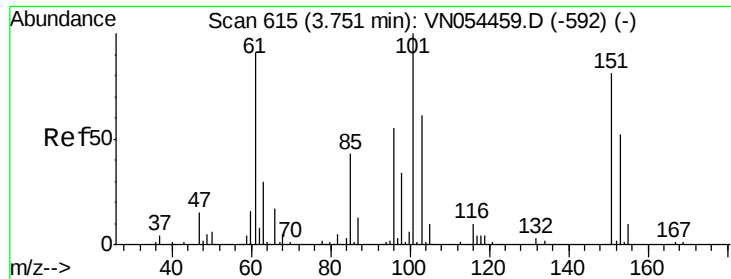
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 3/25/2019 10:07:33 AM



#8
 Diethyl Ether
 Concen: 46.788 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.9	43.1	129.4





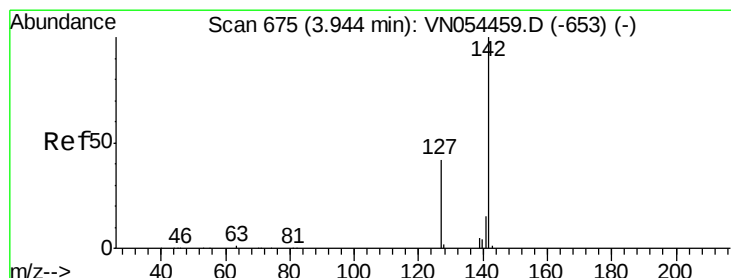
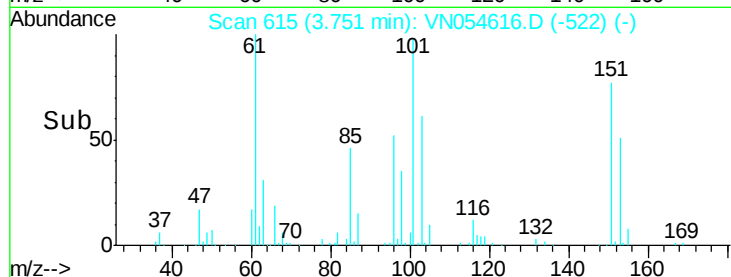
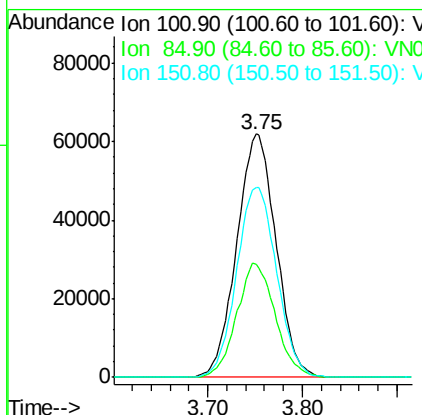
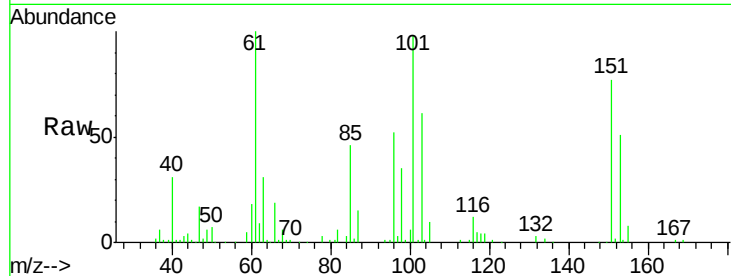
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.286 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	178516		
85	46.0	32.4	48.6	
151	79.8	68.2	102.2	

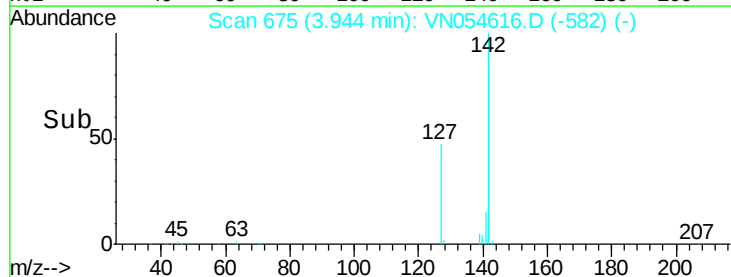
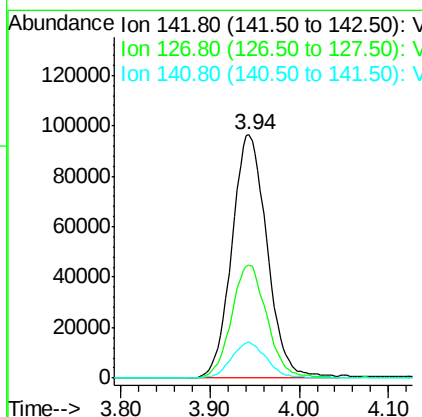
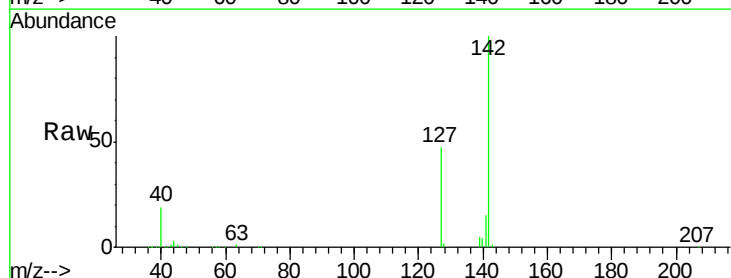
Manual Integrations
 APPROVED

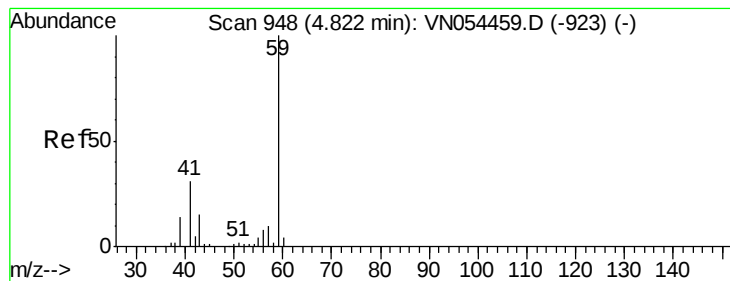
MMDadoda
 3/25/2019 10:07:33 AM



#10
 Methyl Iodide
 Concen: 46.742 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	265181		
127	46.5	30.3	45.5#	
141	14.7	11.2	16.8	





#11

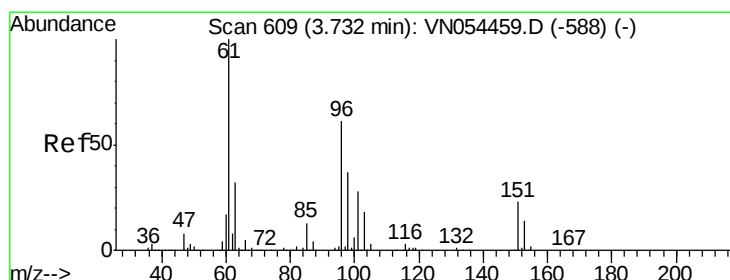
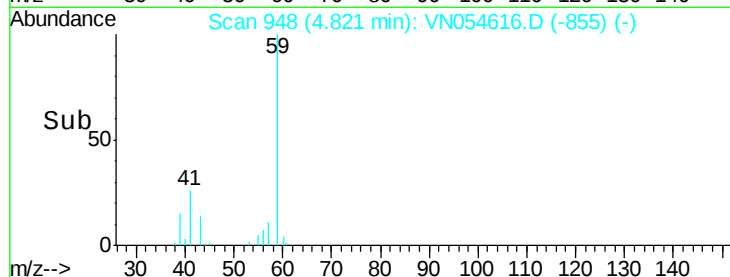
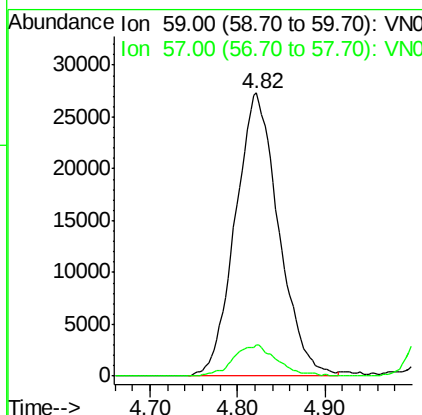
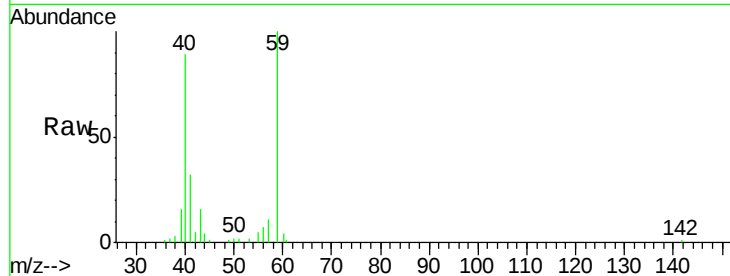
Tert butyl alcohol
Concen: 301.878 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

Manual Integrations
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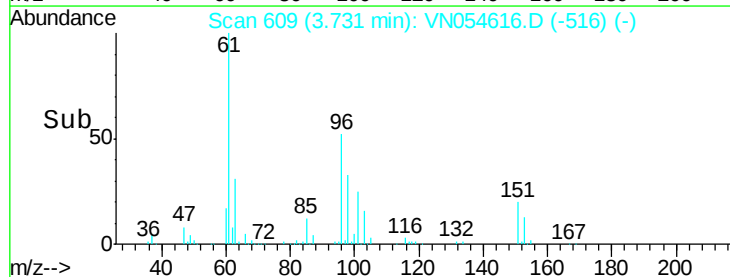
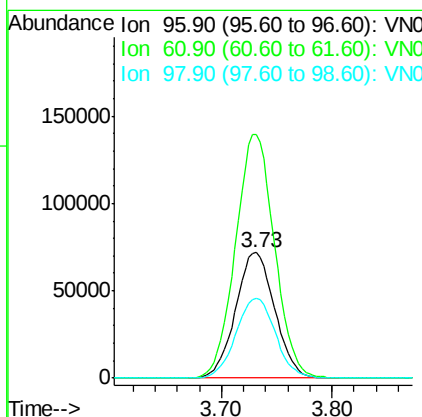
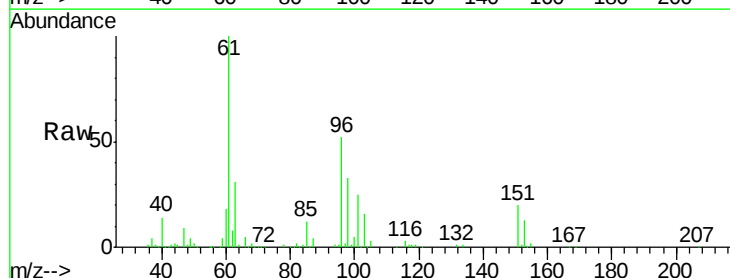
MMDadoda
3/25/2019 10:07:33 AM

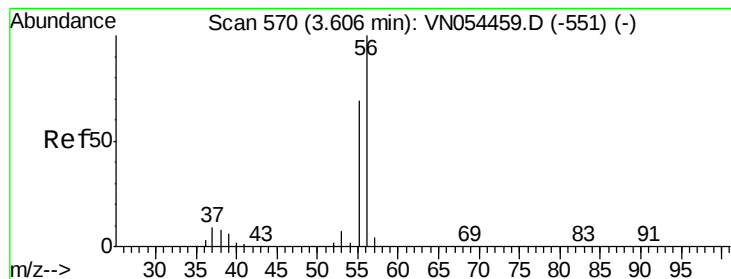


#12

1,1-Dichloroethene
Concen: 44.274 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.5	116.5	174.7#
98	63.8	51.0	76.4





#13

Acrolein

Concen: 71.981 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 30954

Ion Ratio Lower Upper

56 100

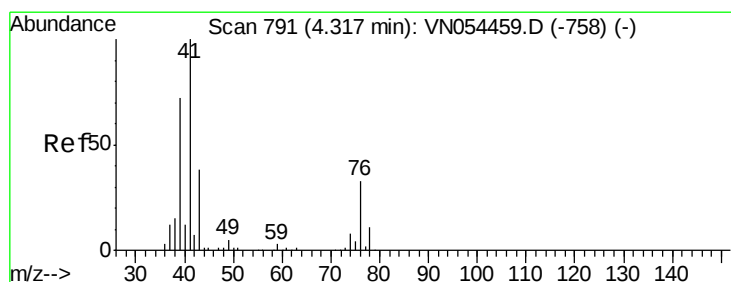
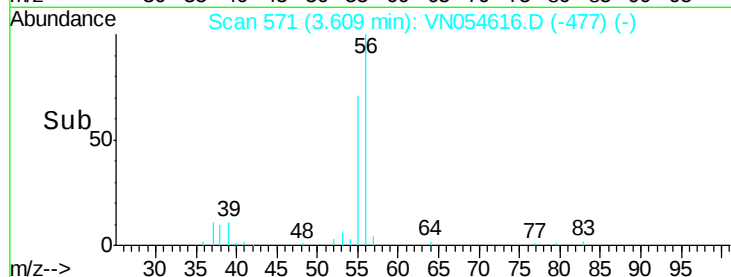
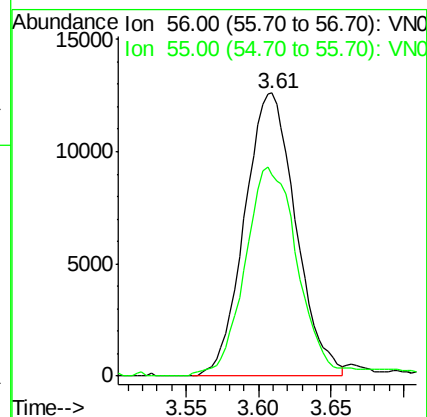
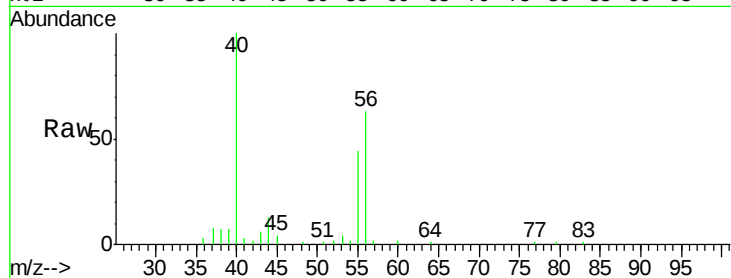
55 75.8 56.7 85.1

Manual Integrations

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3/25/2019 10:07:33 AM



#14

Allyl chloride

Concen: 56.885 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

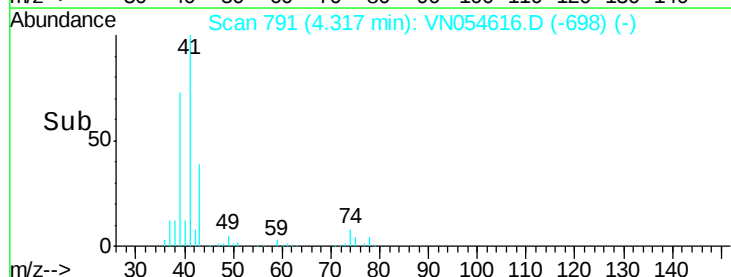
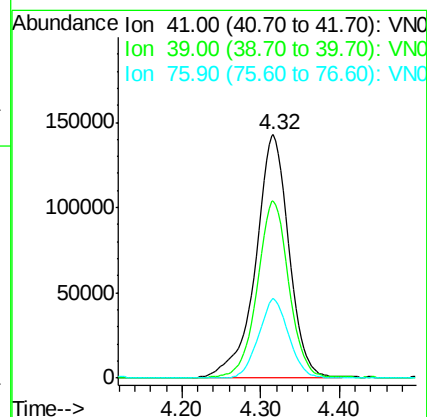
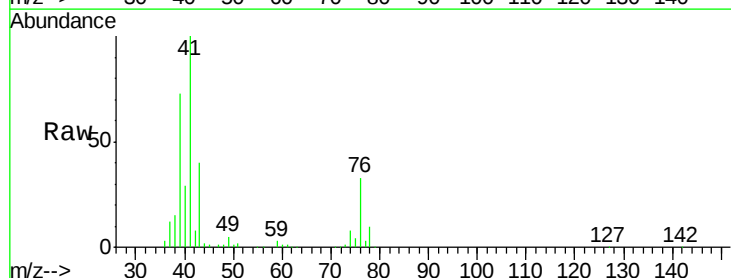
Tgt Ion: 41 Resp: 427540

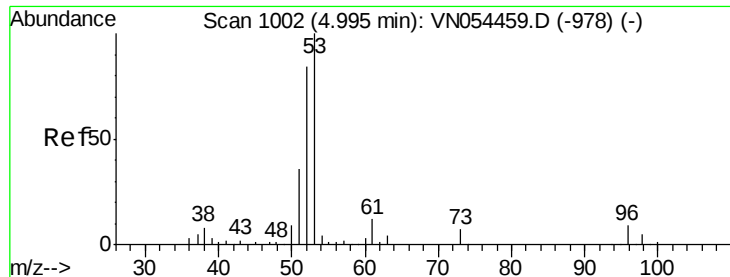
Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

76 29.8 31.7 47.5#





#15

Acrylonitrile

Concen: 302.921 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

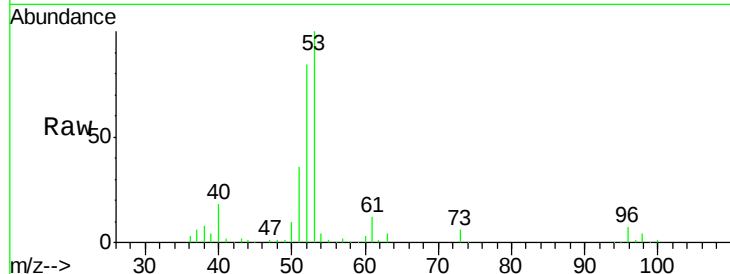
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	470073
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.4	99.6
51	37.4	29.6	44.4

Manual Integrations
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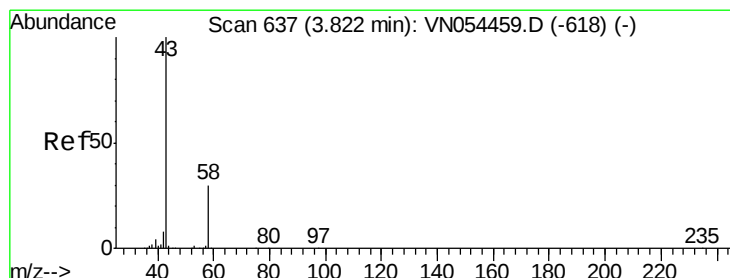
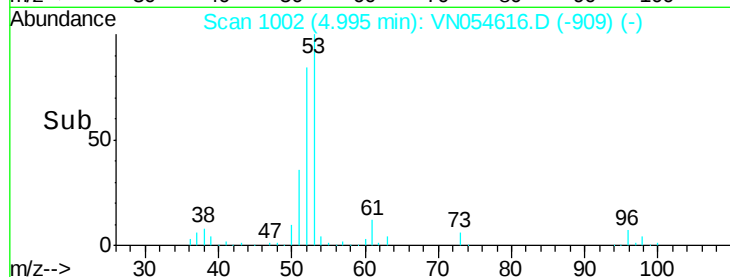
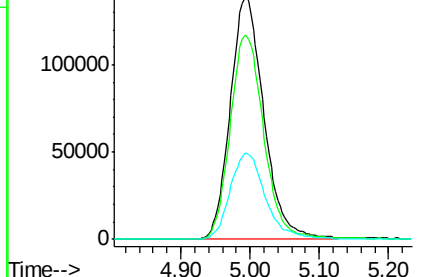
MMDadoda
3/25/2019 10:07:33 AM



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 215.449 ug/l

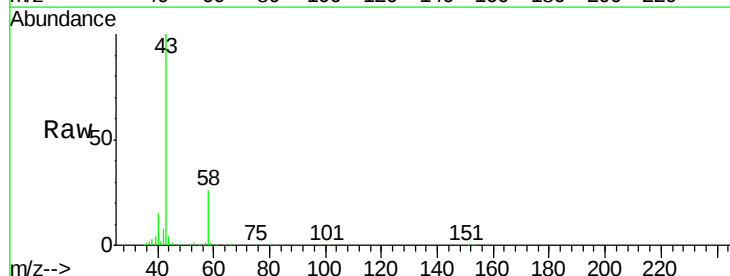
RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054616.D

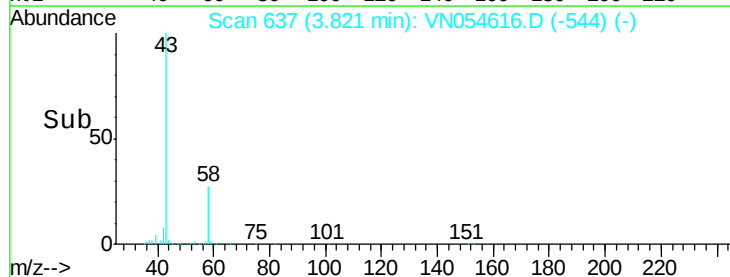
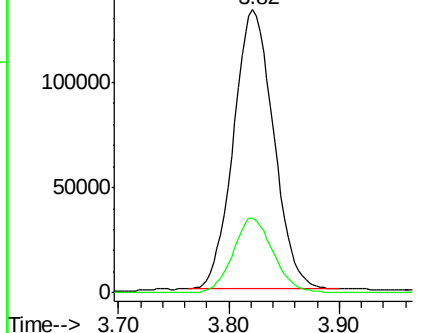
Acq: 23 Mar 2019 21:01

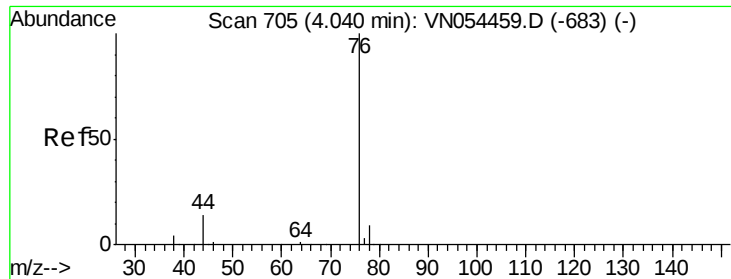
Tgt Ion:	43	Resp:	333398
Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





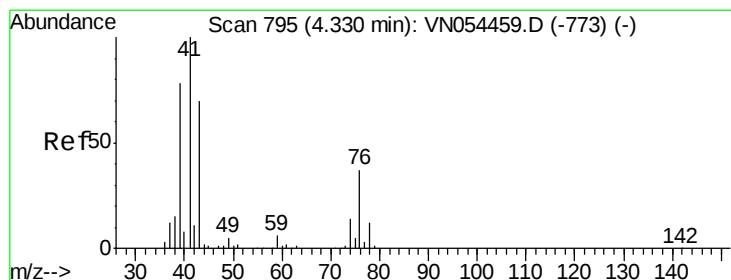
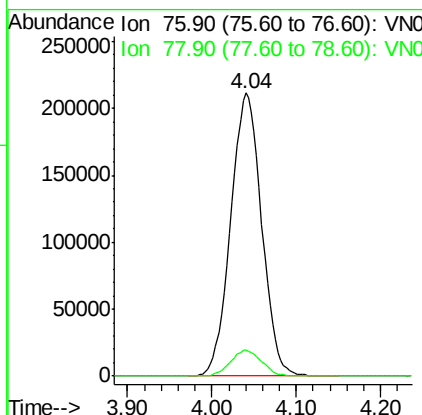
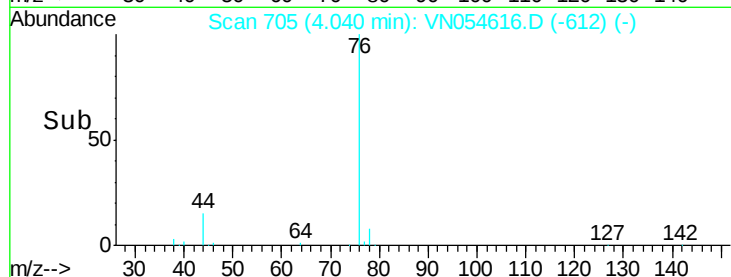
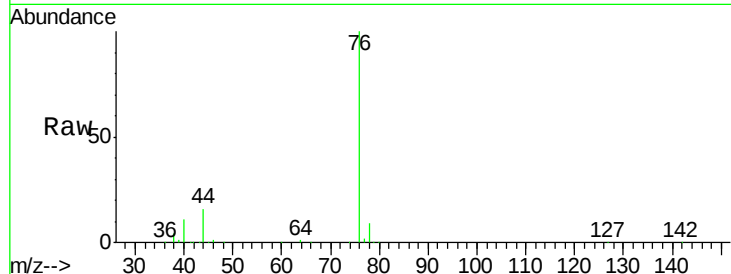
#17
Carbon Disulfide
Concen: 50.551 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

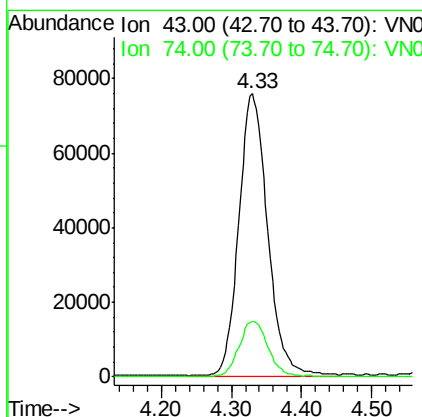
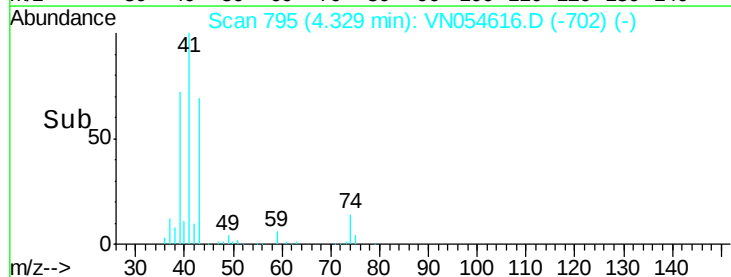
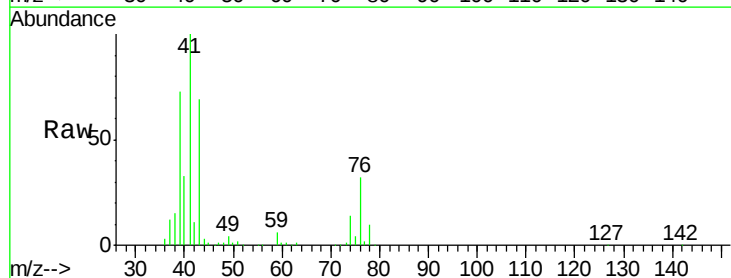
Manual Integrations
APPROVED

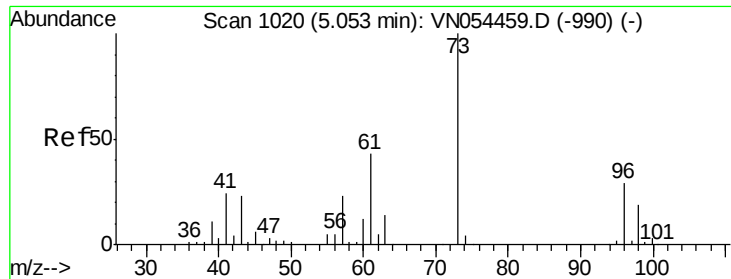
MMDadoda
3/25/2019 10:07:33 AM



#18
Methyl Acetate
Concen: 62.237 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	20.8	31.2#





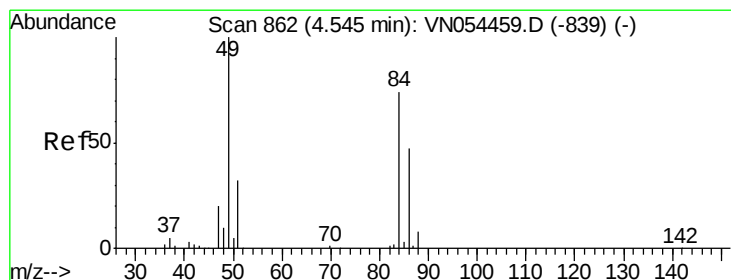
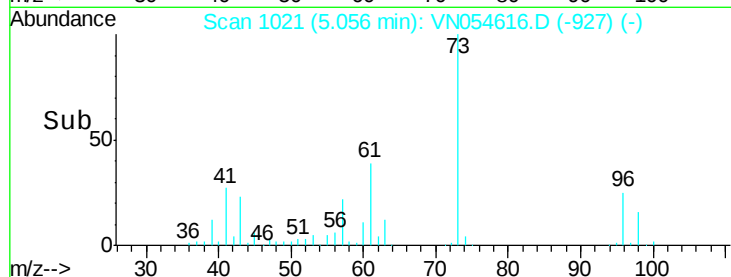
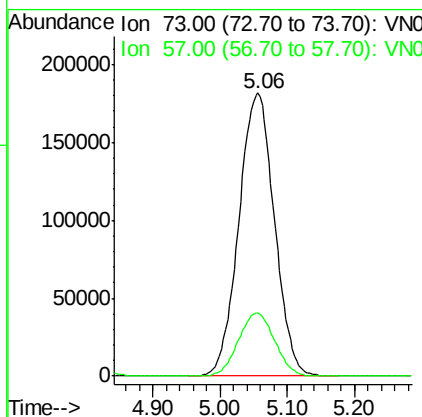
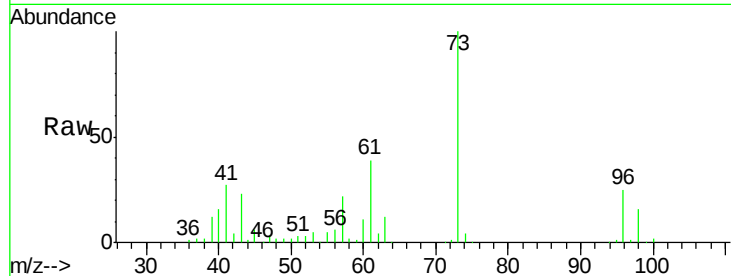
#19
Methvl tert-butvl Ether
Concen: 57.164 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 665858
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2

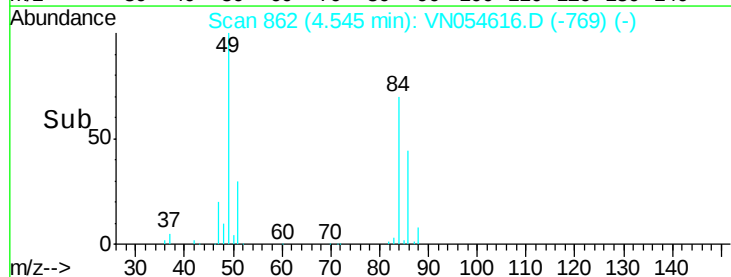
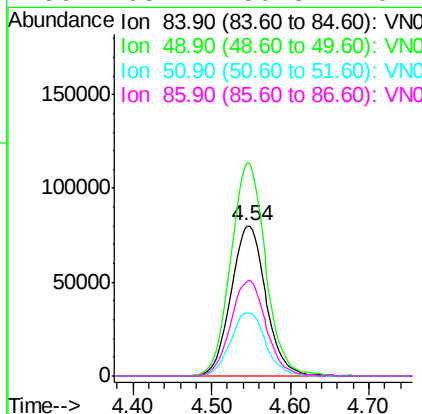
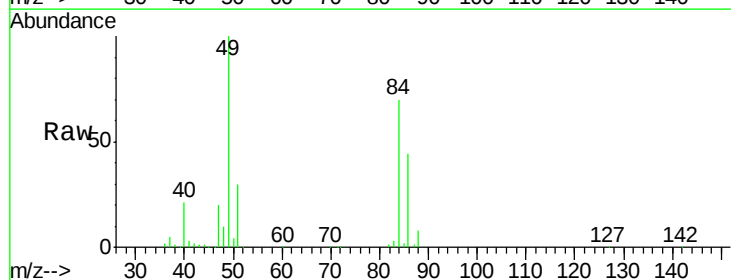
Manual Integrations
APPROVED

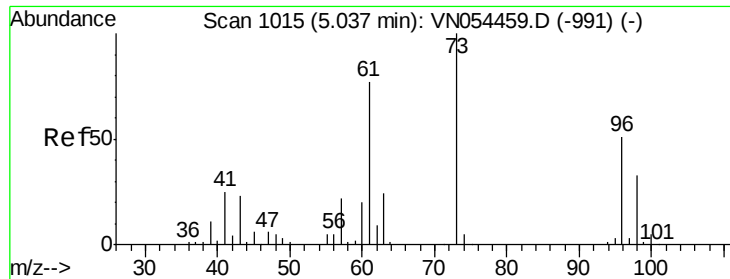
MMDadoda
3/25/2019 10:07:33 AM



#20
Methylene Chloride
Concen: 54.346 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 84 Resp: 247905
Ion Ratio Lower Upper
84 100
49 142.1 89.7 134.5#
51 42.1 28.2 42.4
86 63.1 50.8 76.2





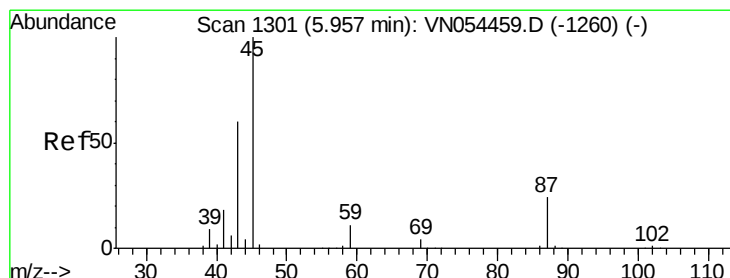
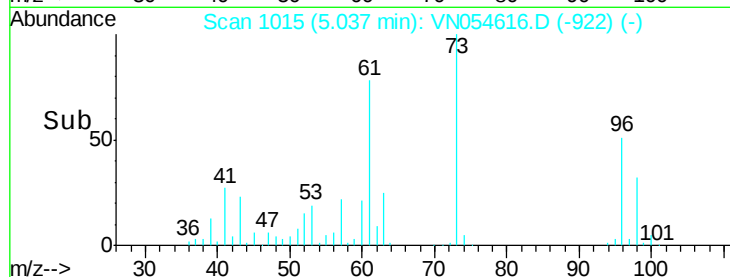
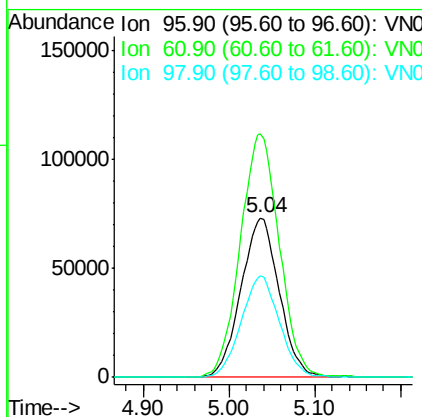
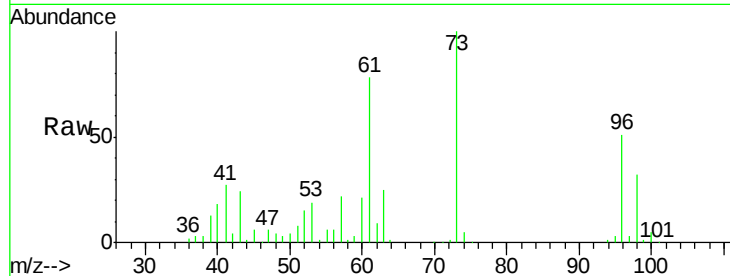
#21
trans-1,2-Dichloroethene
Concen: 55.263 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	102.8	154.2
98	63.5	50.0	75.0

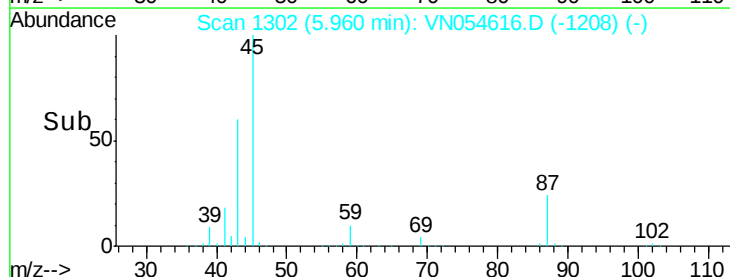
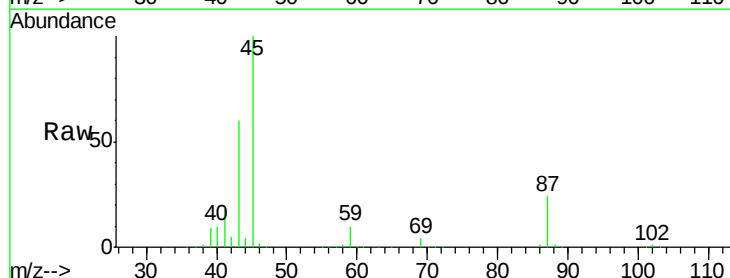
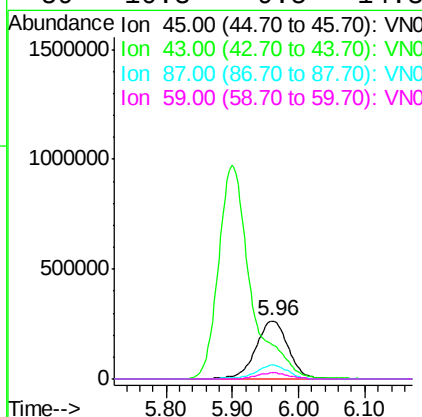
Manual Integrations
APPROVED

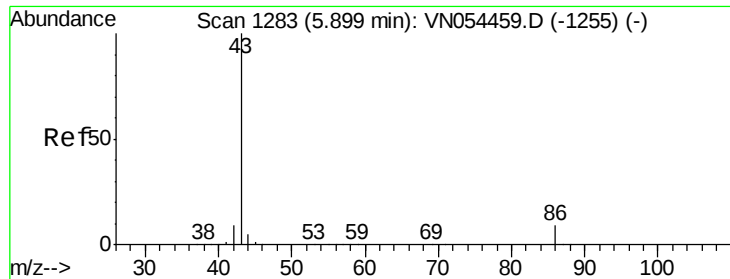
MMDadoda
3/25/2019 10:07:33 AM



#22
Diisopropyl ether
Concen: 60.832 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	48.2	72.2
87	23.8	24.9	37.3
59	10.3	9.5	14.3





#23

Vinyl Acetate

Concen: 314.841 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3296473

Ion Ratio Lower Upper

43 100

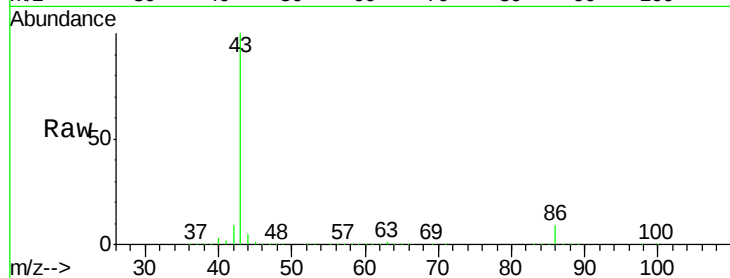
86 8.6 9.1 13.7#

Manual Integrations

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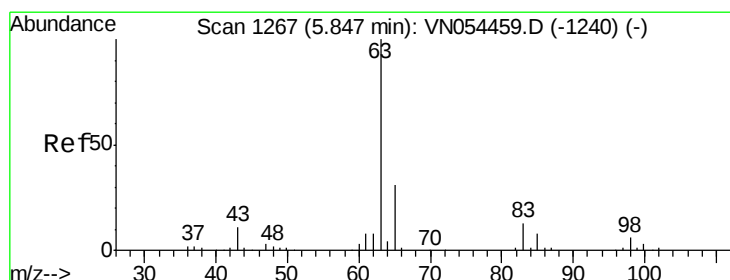
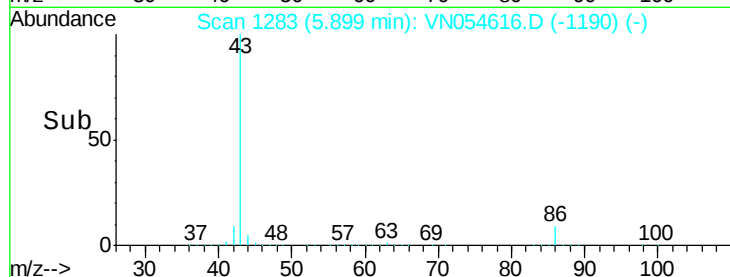
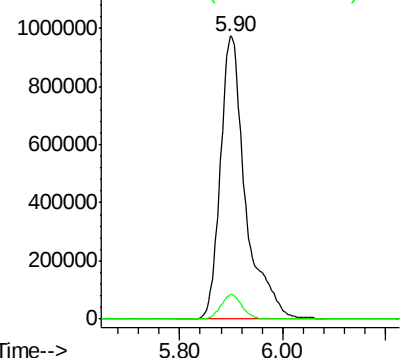
MMDadoda

3/25/2019 10:07:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 59.206 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

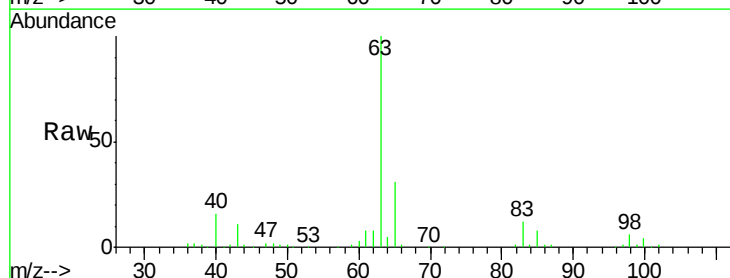
Tgt Ion: 63 Resp: 472588

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

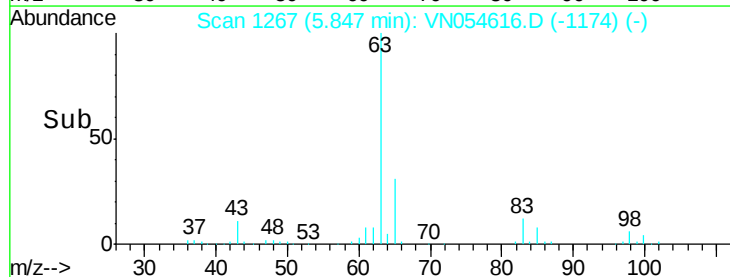
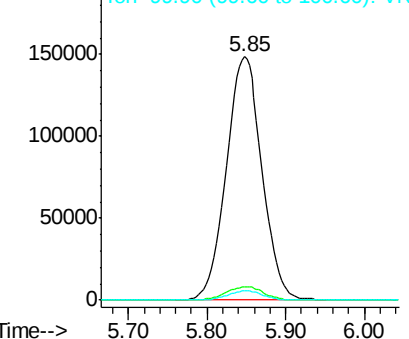
100 3.8 2.0 6.0

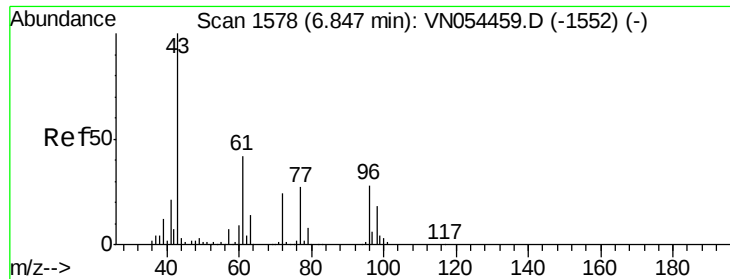


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 300.781 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 596233

Ion Ratio Lower Upper

43 100

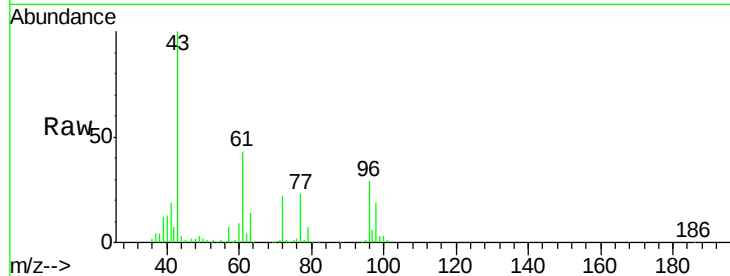
72 22.1 23.0 34.6#

Manual Integrations

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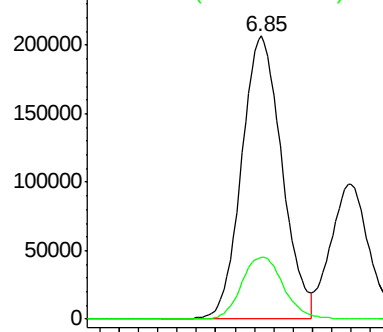
MMDadoda

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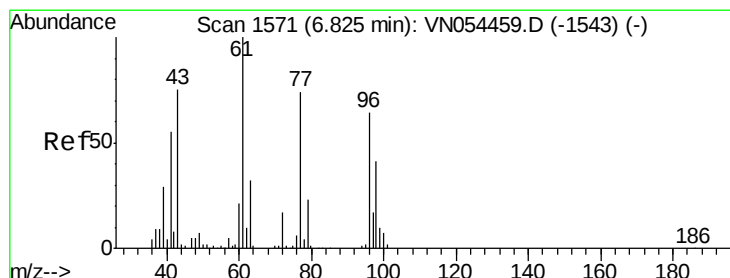
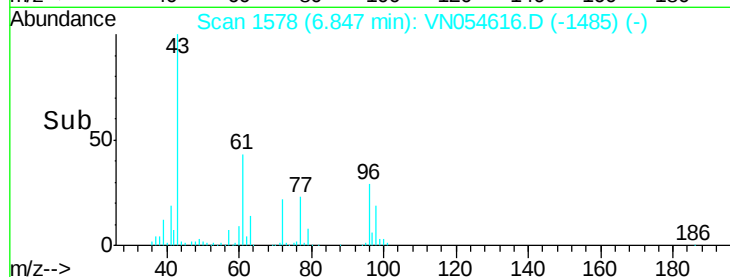


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 48.215 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054616.D

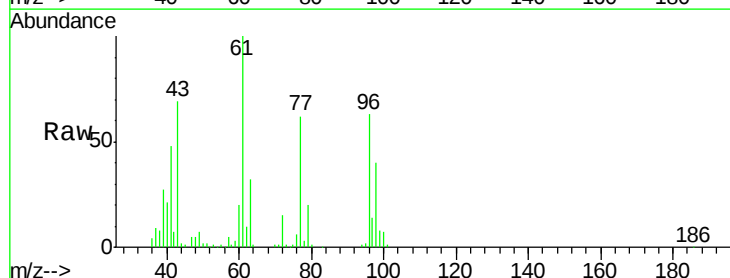
Acq: 23 Mar 2019 21:01

Tgt Ion: 77 Resp: 274344

Ion Ratio Lower Upper

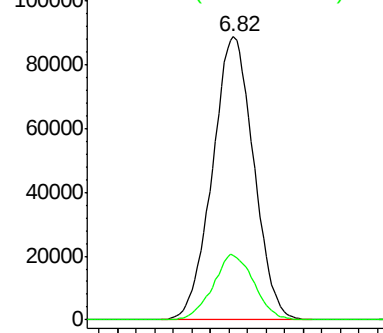
77 100

97 23.0 11.9 35.9

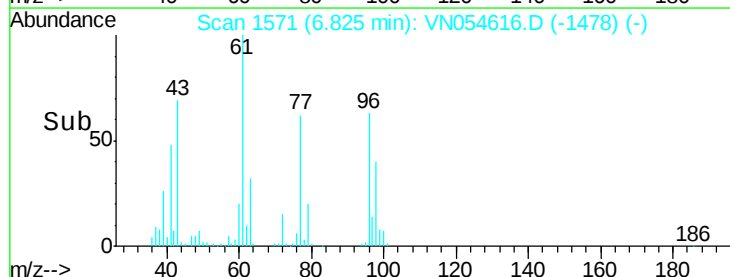


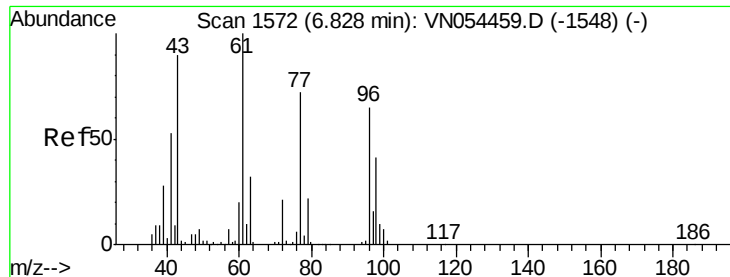
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 54.778 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

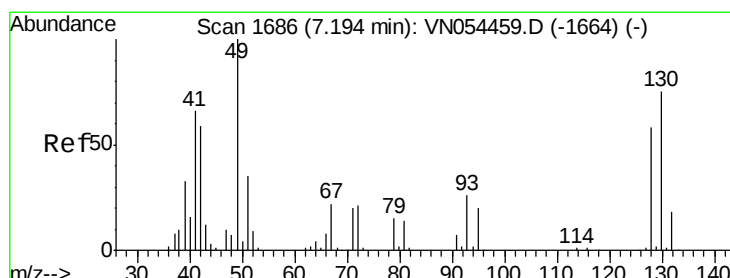
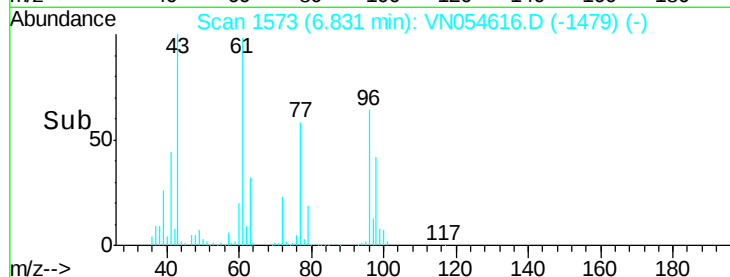
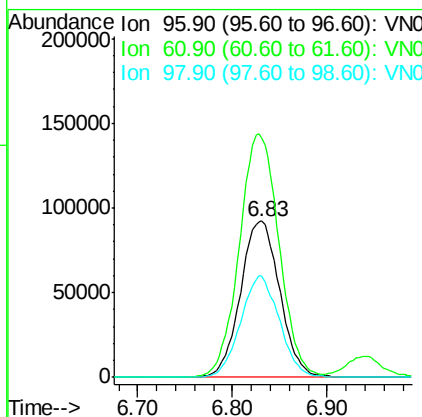
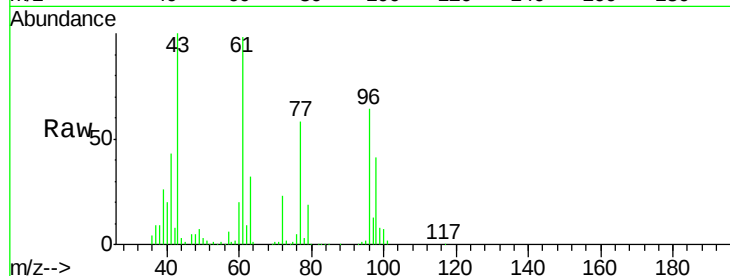
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	266286
Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	273.0
98	64.1	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 59.870 ug/l

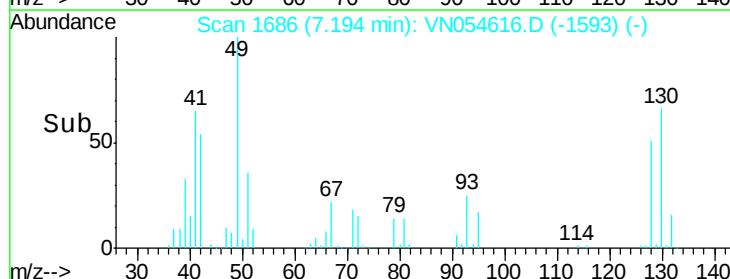
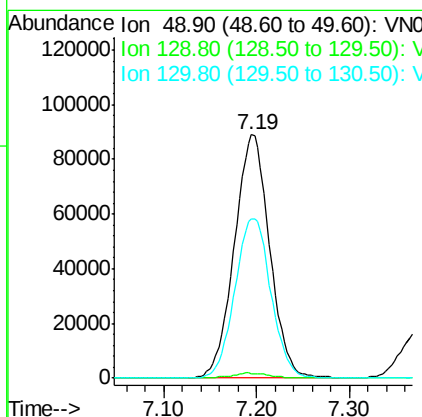
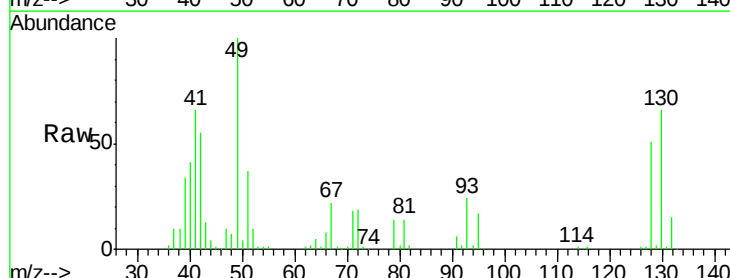
RT: 7.19 min Scan# 1686

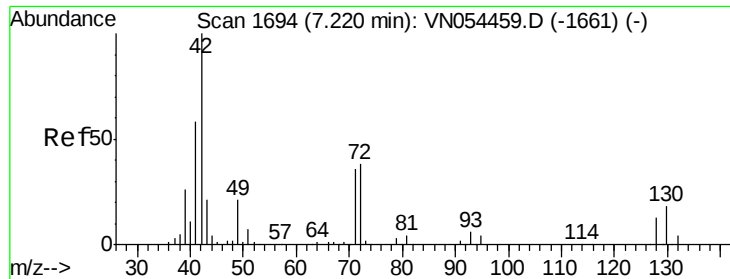
Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Tgt Ion:	49	Resp:	235230
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	66.9	76.7	115.1#





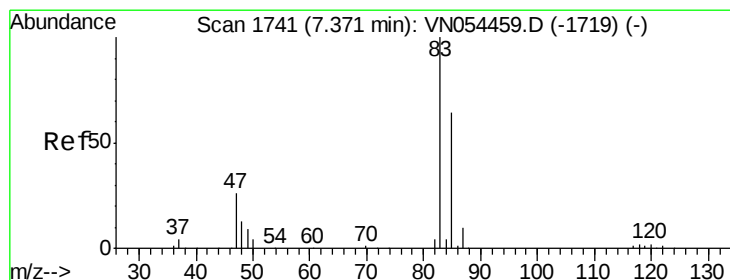
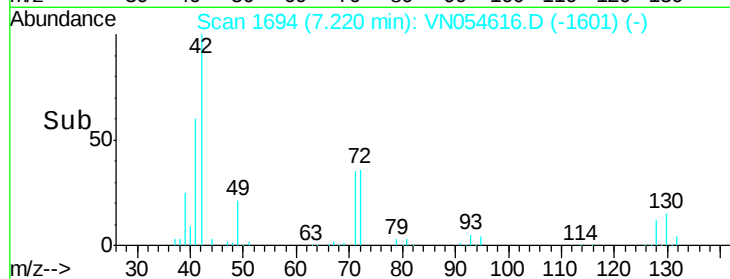
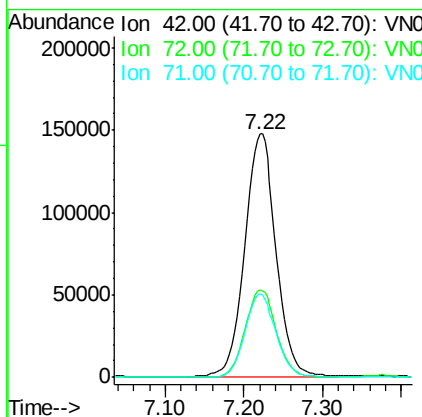
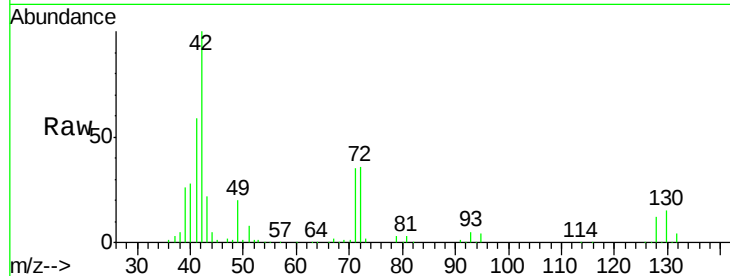
#29
Tetrahydrofuran
Concen: 320.788 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	37.8	56.6#
71	34.0	36.2	54.2#

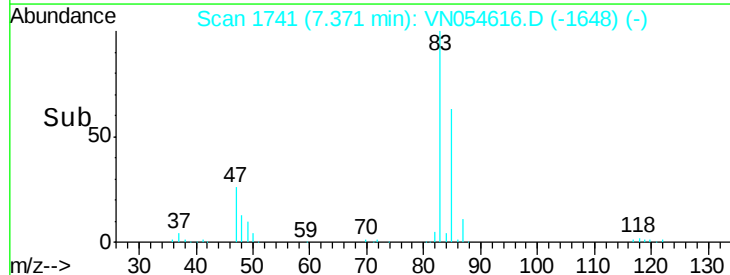
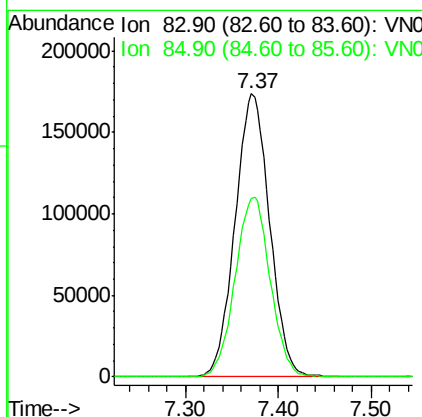
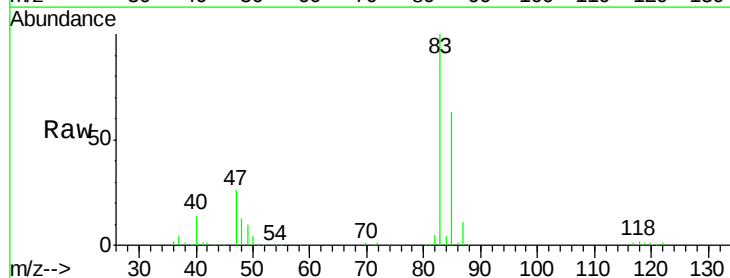
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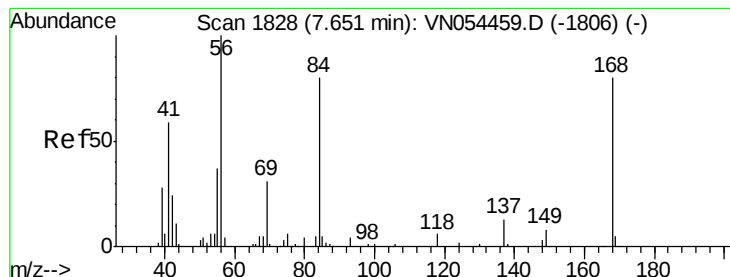
MMDadoda
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#30
Chloroform
Concen: 57.568 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4





#31

Cyclohexane

Concen: 56.327 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

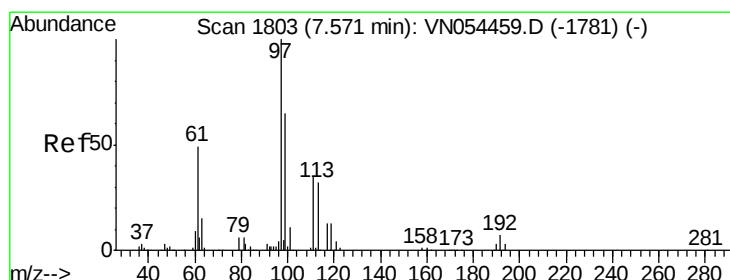
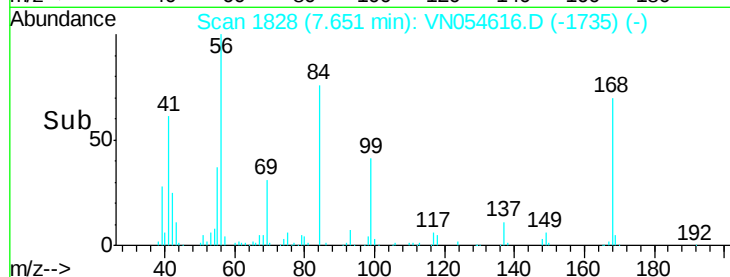
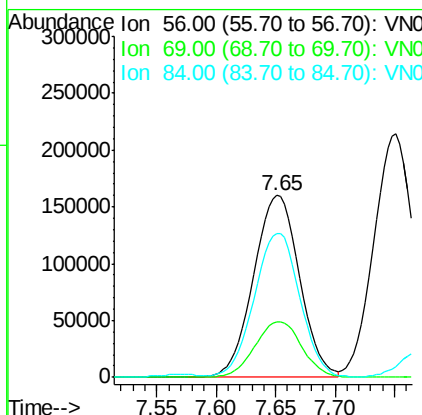
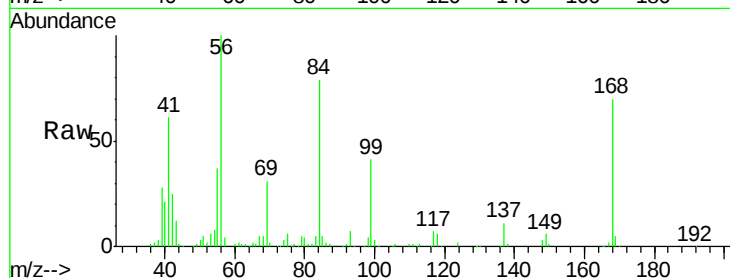
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	429024
Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.8	41.6
84	77.8	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 58.688 ug/l

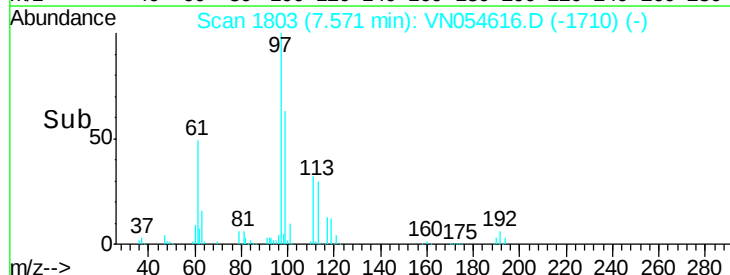
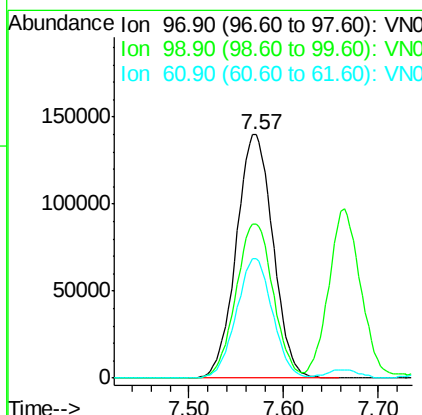
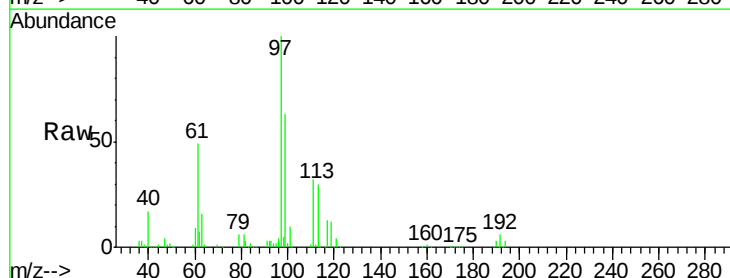
RT: 7.57 min Scan# 1803

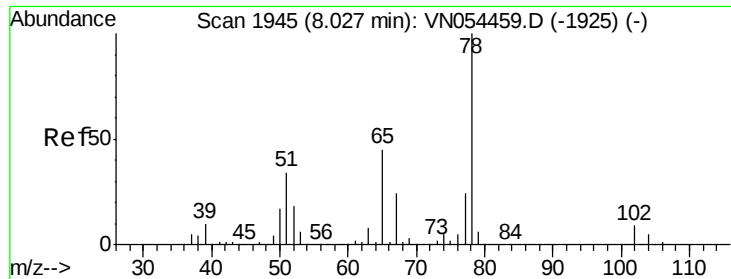
Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Tgt Ion	97	Resp	377170
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	48.2	33.6	50.4





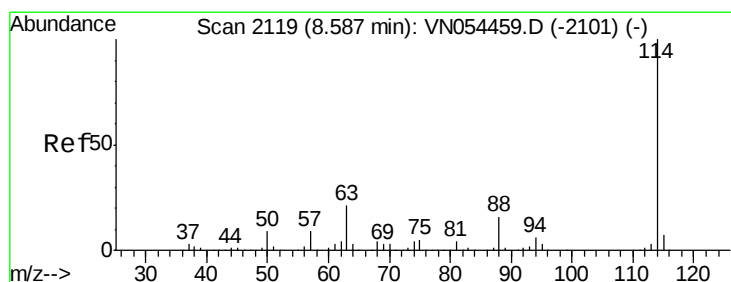
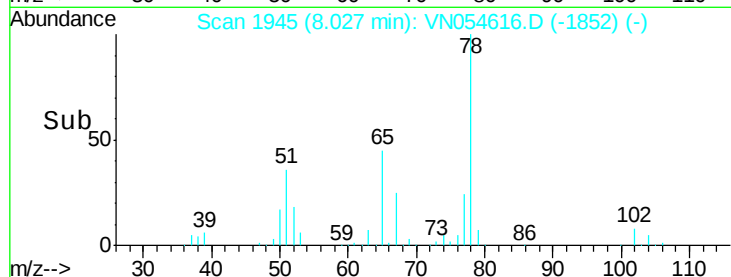
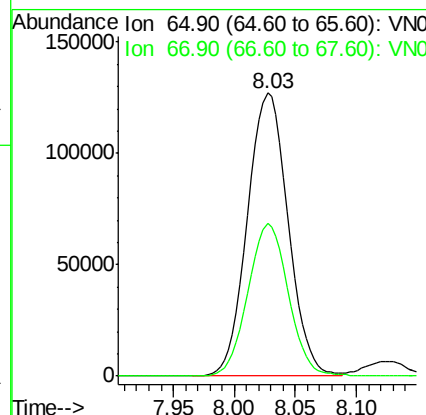
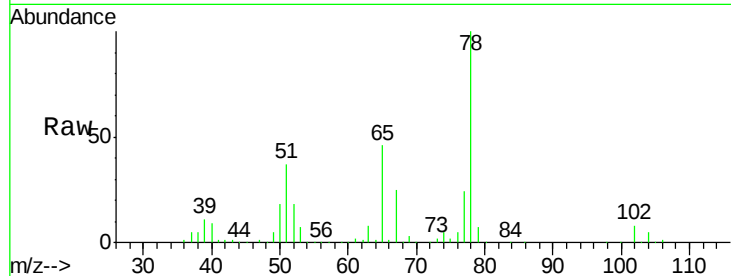
#33
 1,2-Dichloroethane-d4
 Concen: 57.067 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	104.6	

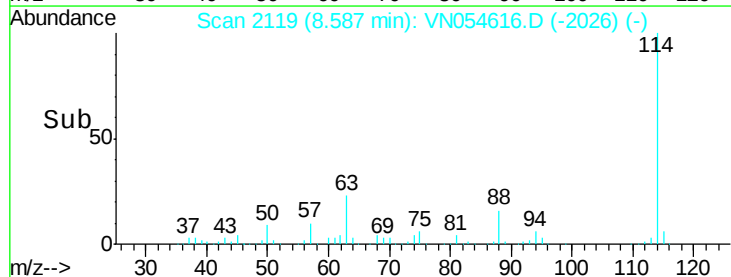
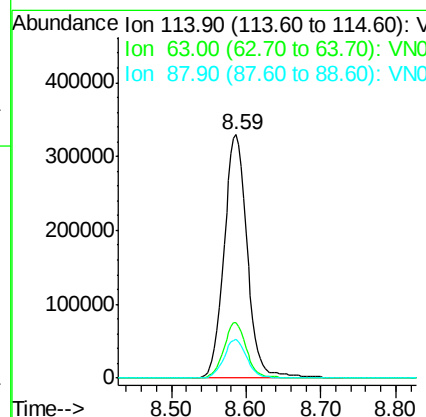
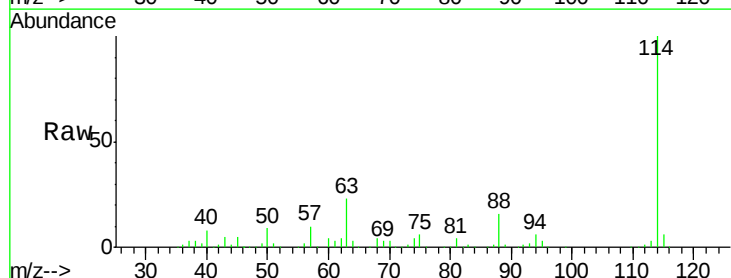
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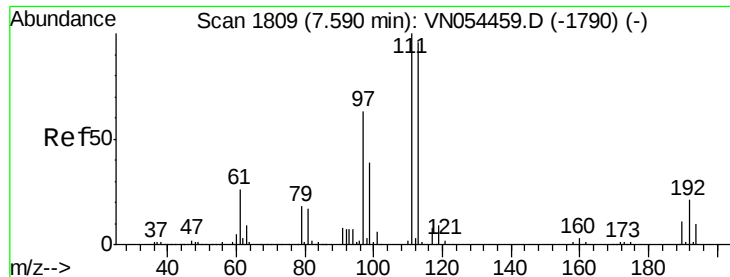
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	35.2	
88	15.7	0.0	30.2	





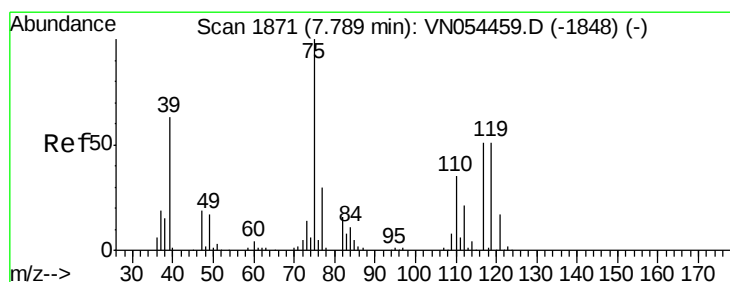
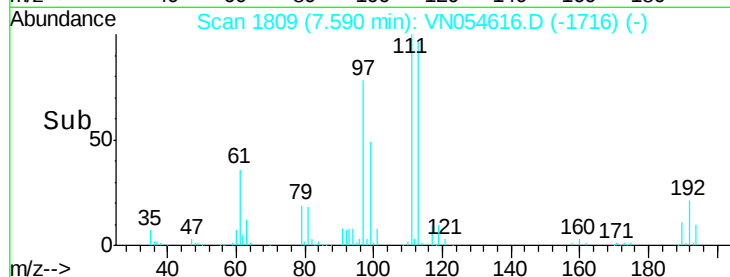
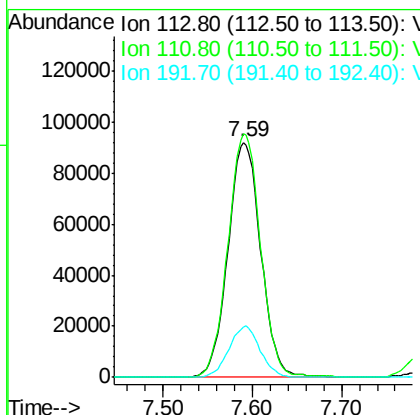
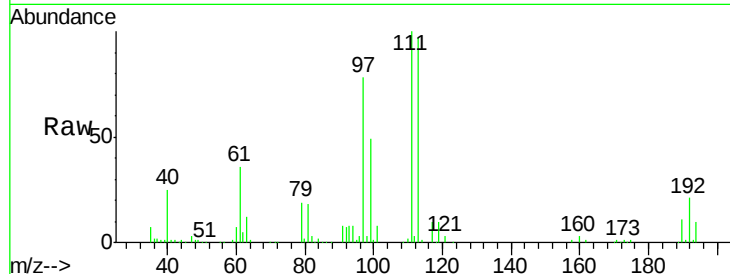
#35
 Dibromofluoromethane
 Concen: 51.480 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.2	123.4	
192	20.9	19.2	28.8	

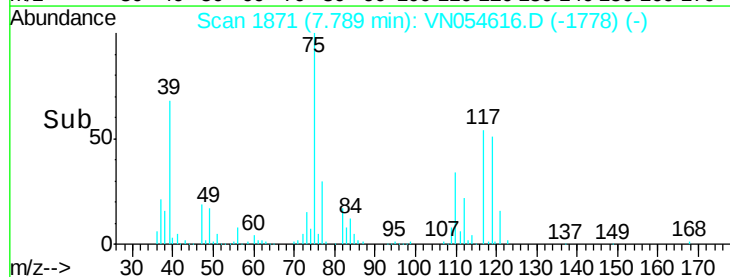
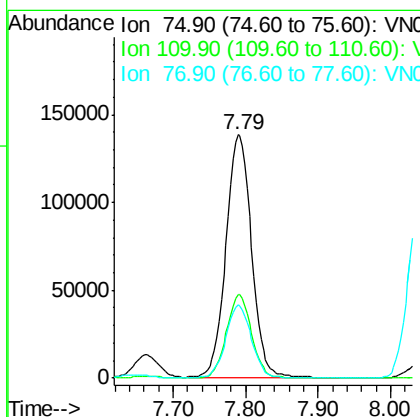
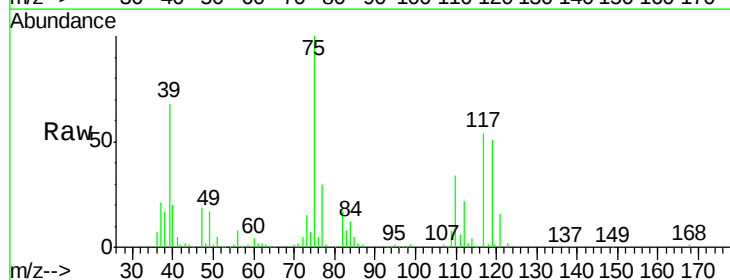
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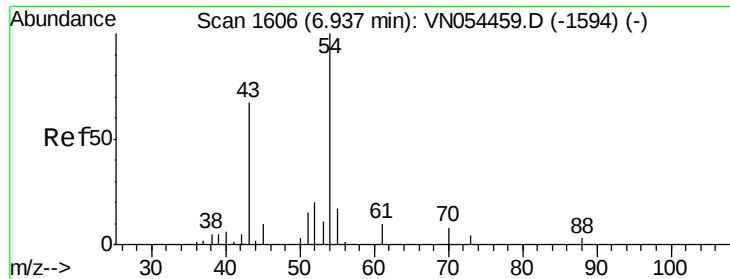
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#36
 1,1-Dichloropropene
 Concen: 51.489 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	19.1	57.5	
77	29.8	25.0	37.4	





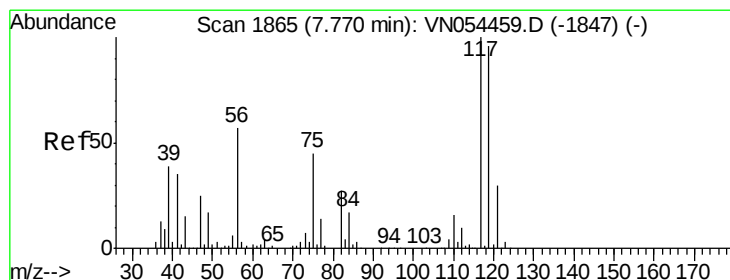
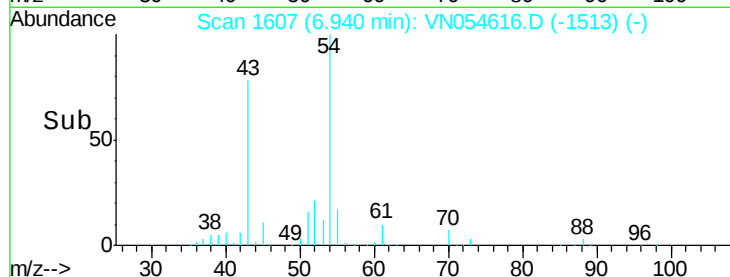
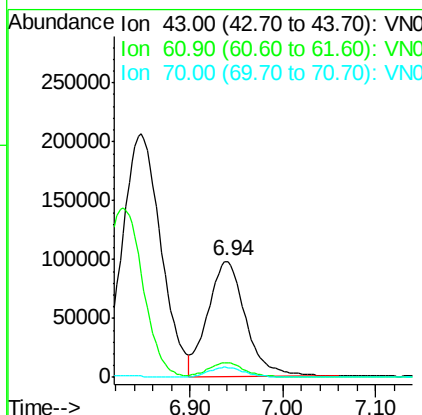
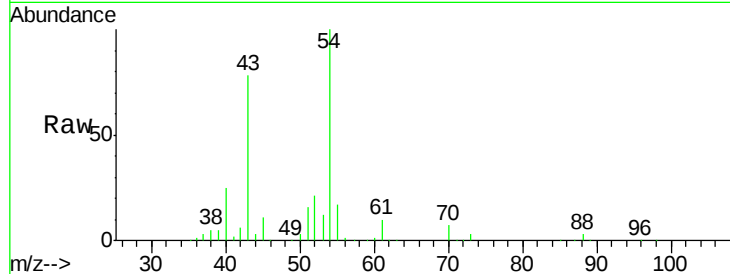
#37
Ethyl Acetate
Concen: 58.646 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.8	17.6
70	8.5	8.4	12.6

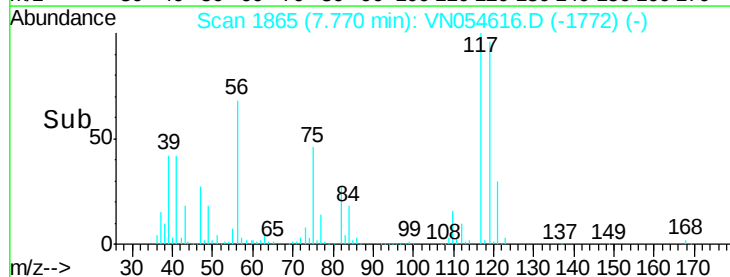
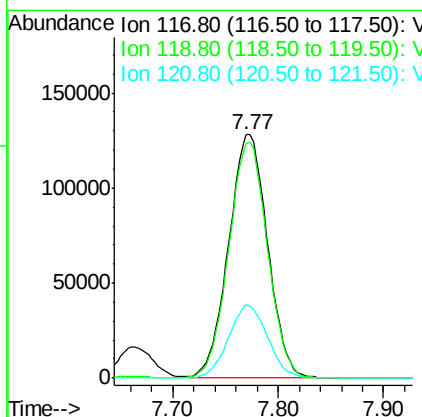
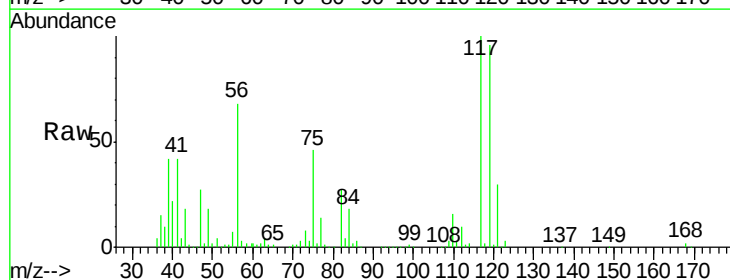
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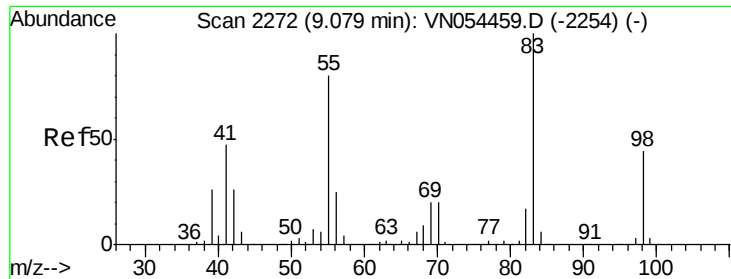
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#38
Carbon Tetrachloride
Concen: 51.333 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5
121	30.0	24.6	36.8





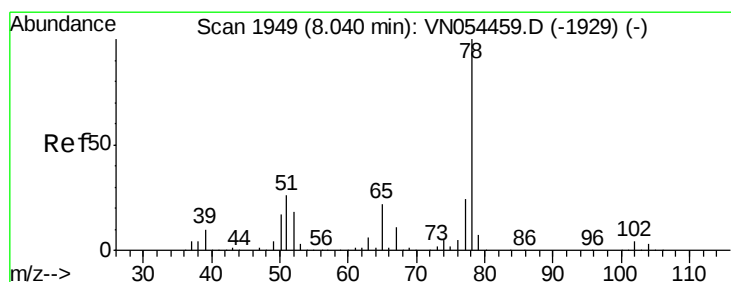
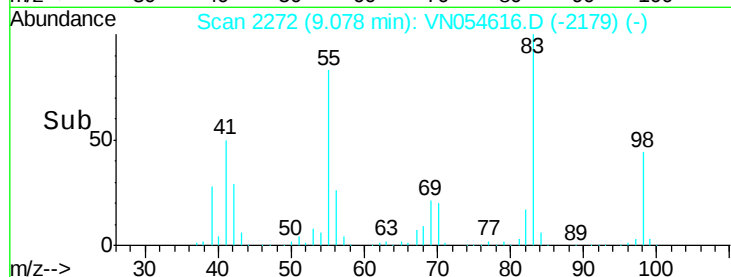
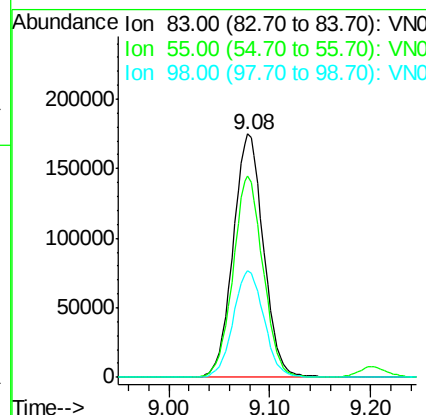
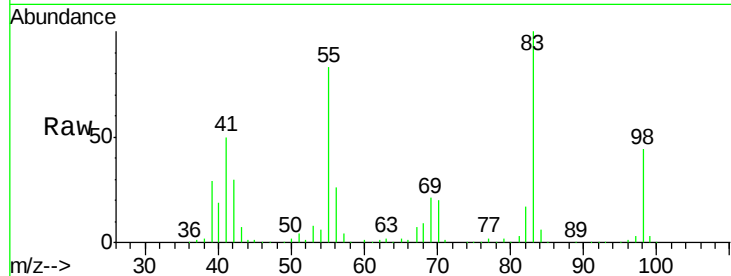
#39
Methvlcvclohexane
Concen: 48.544 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	56.6	84.8
98	43.6	38.4	57.6

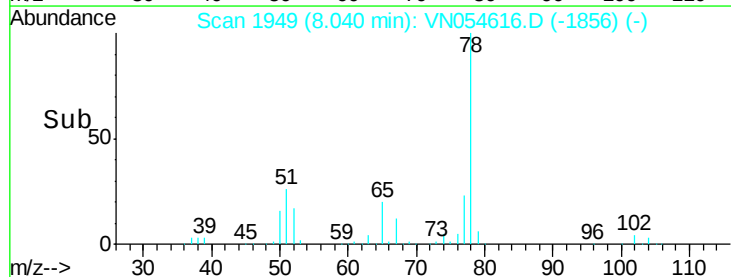
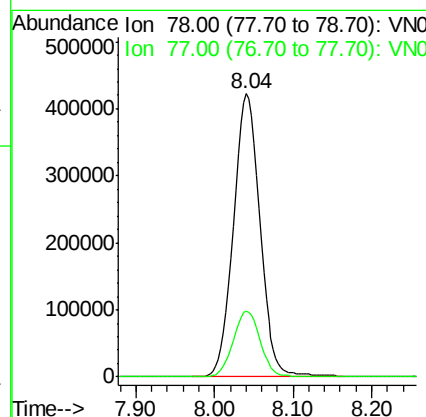
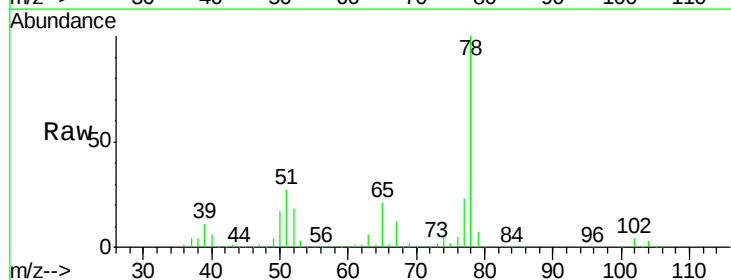
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#40
Benzene
Concen: 52.514 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





#41

Methacrylonitrile

Concen: 52.933 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 151445

Ion Ratio Lower Upper

41 100

39 55.0 46.8 70.2

67 68.4 67.0 100.4

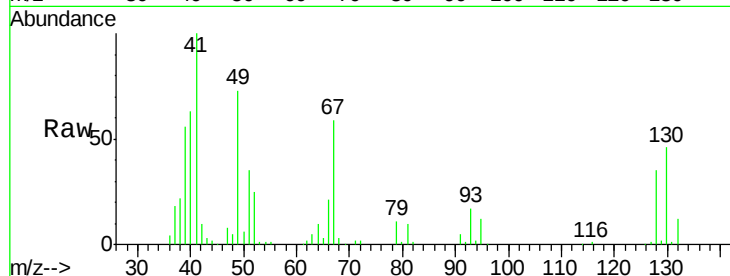
52 29.6 26.5 39.7

Manual Integrations

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3/25/2019 10:07:33 AM

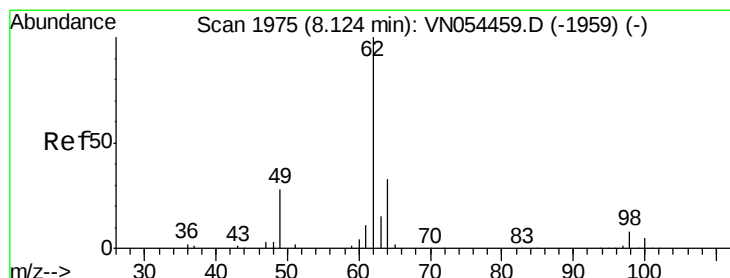
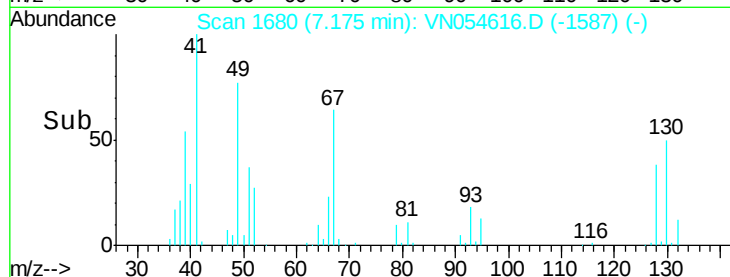
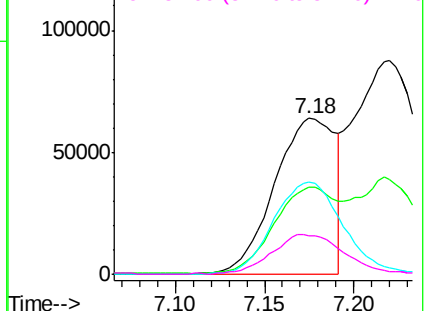


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 53.985 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054616.D

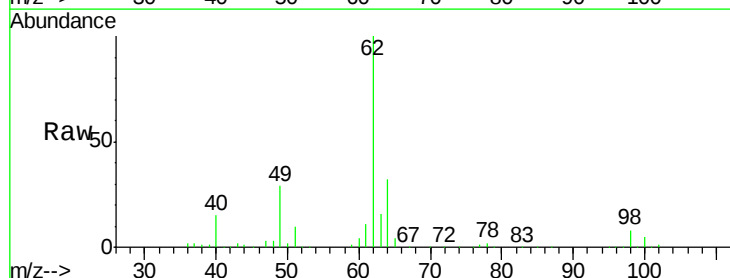
Acq: 23 Mar 2019 21:01

Tgt Ion: 62 Resp: 370830

Ion Ratio Lower Upper

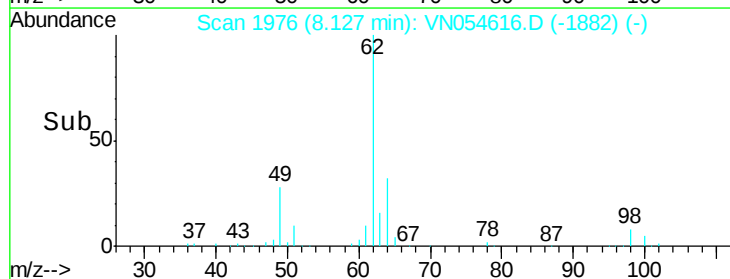
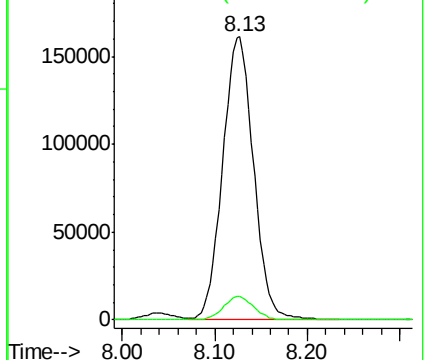
62 100

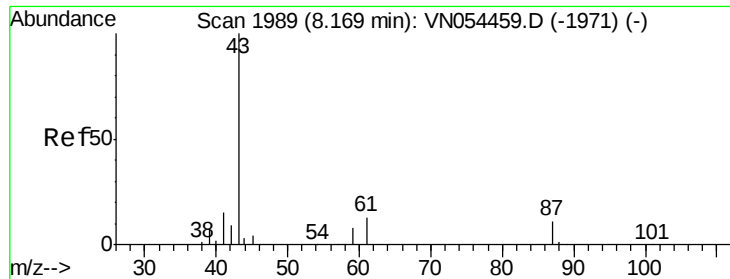
98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





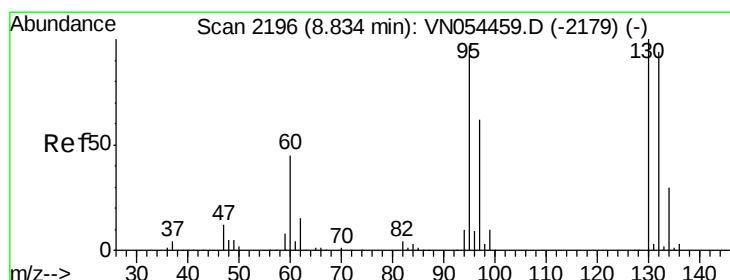
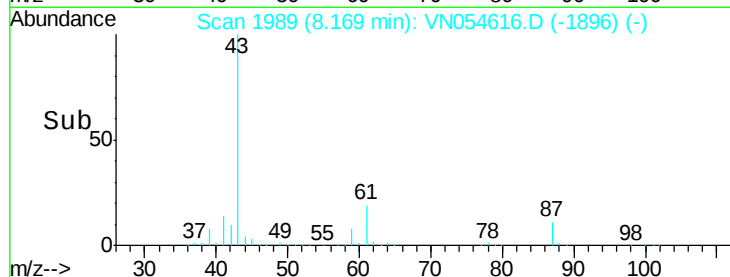
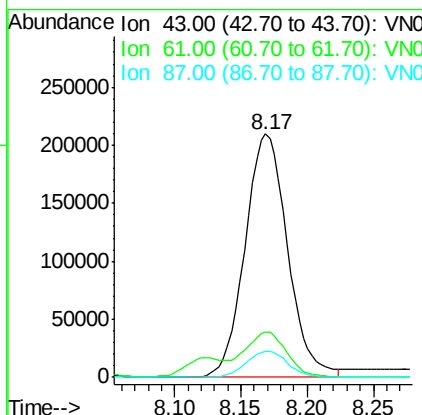
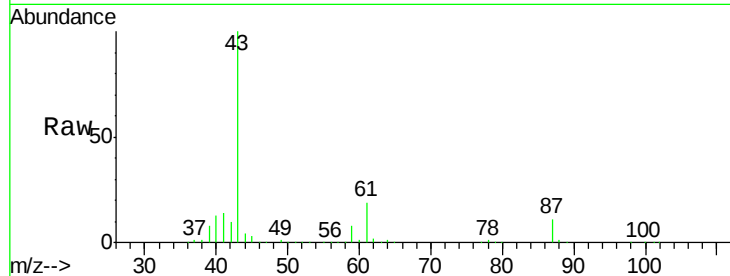
#43
Isopropyl Acetate
Concen: 58.805 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.8	23.8
87	10.7	12.0	18.0

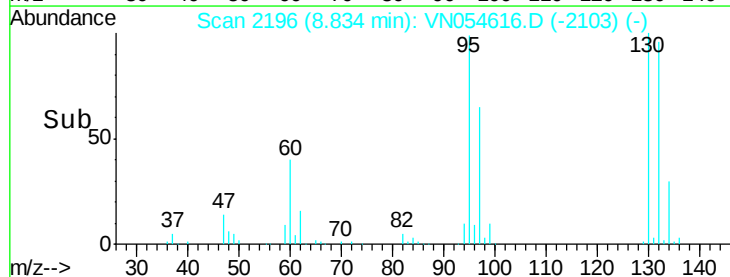
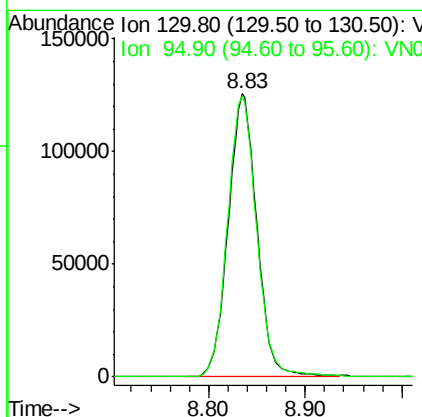
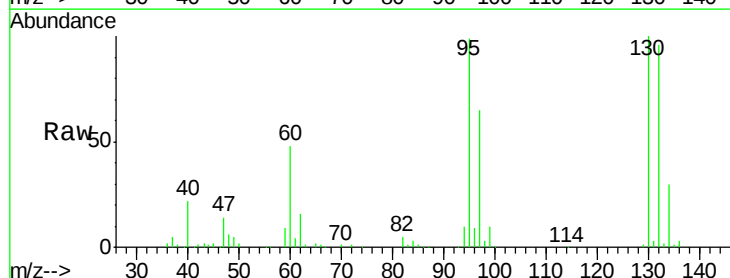
Manual Integrations
APPROVED

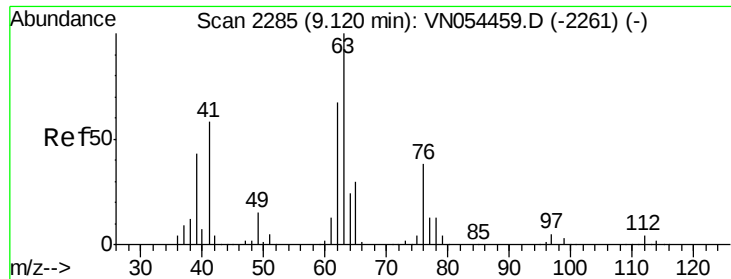
MMDadoda
3/25/2019 10:07:33 AM



#44
Trichloroethene
Concen: 49.257 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	185.2





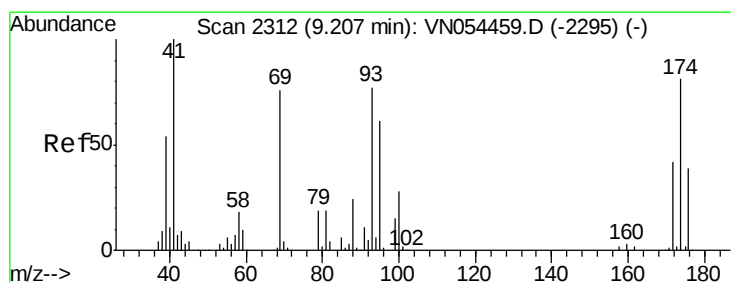
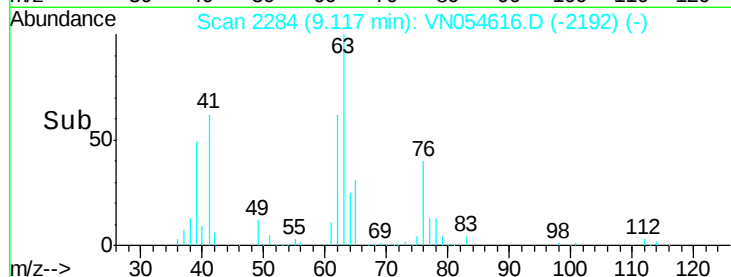
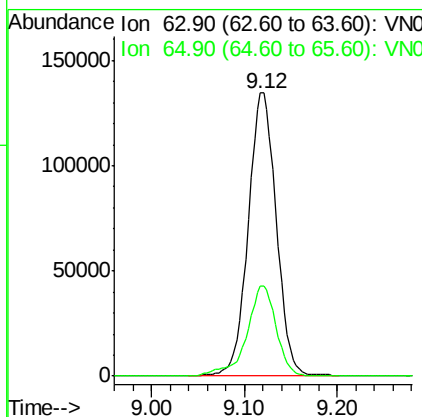
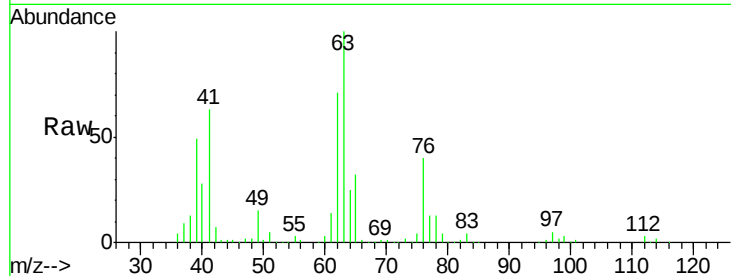
#45
 1,2-Dichloropropane
 Concen: 55.777 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 282501
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

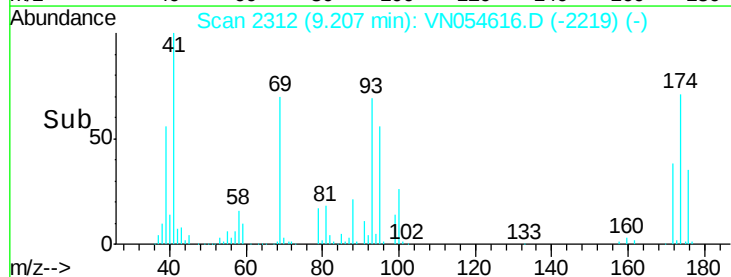
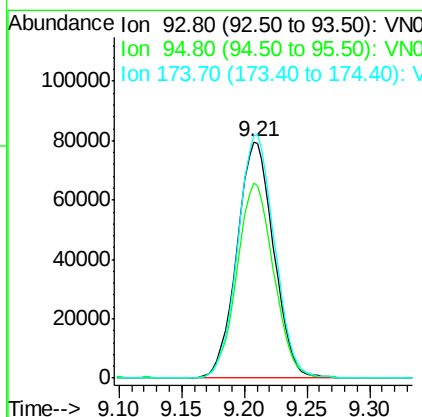
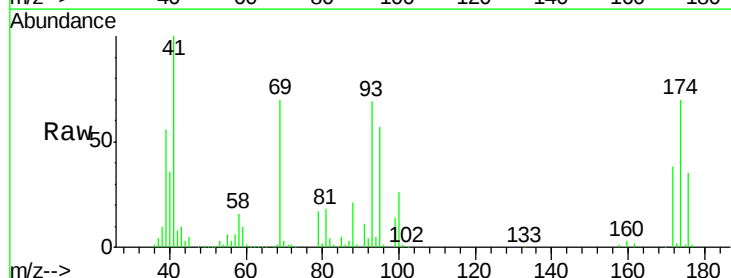
Manual Integrations
 APPROVED

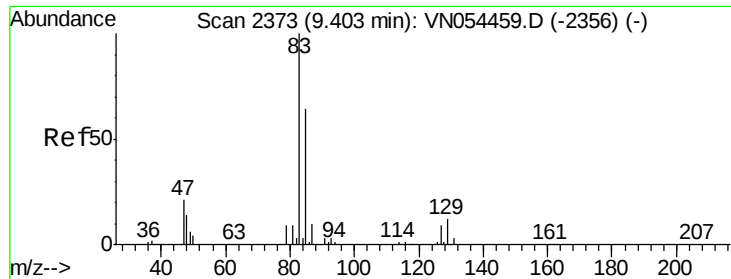
MMDadoda
 3/25/2019 10:07:33 AM



#46
 Dibromomethane
 Concen: 53.767 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 93 Resp: 162461
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 102.8 98.5 147.7





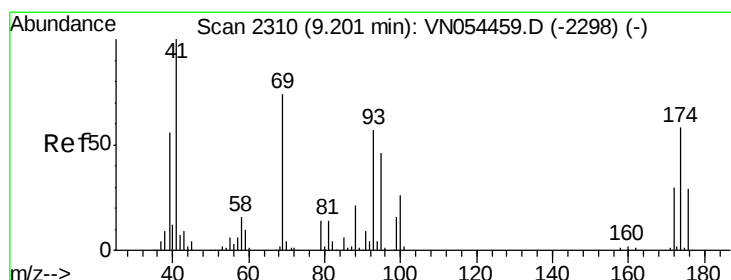
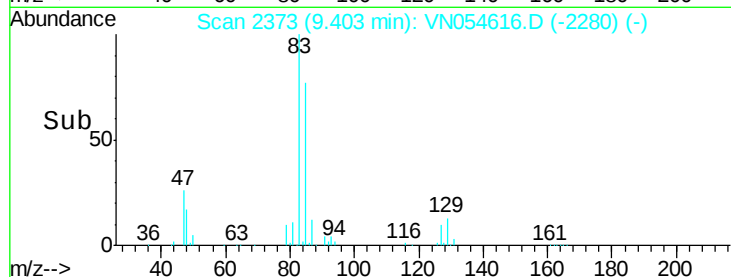
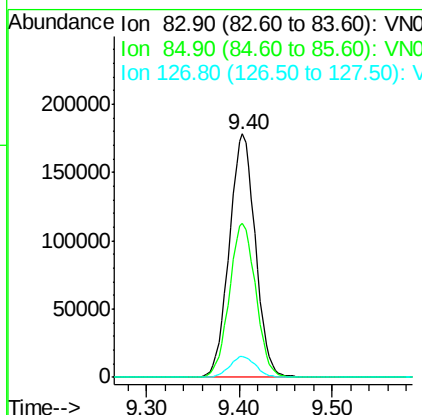
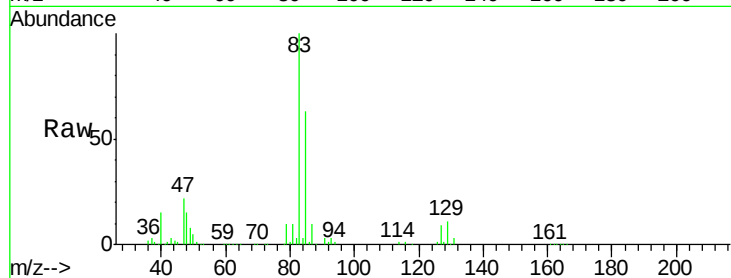
#47
Bromodichloromethane
Concen: 55.482 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	347916		
85	63.1	52.8	79.2	
127	8.5	7.4	11.2	

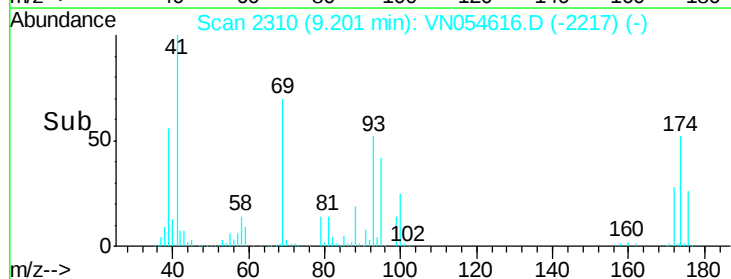
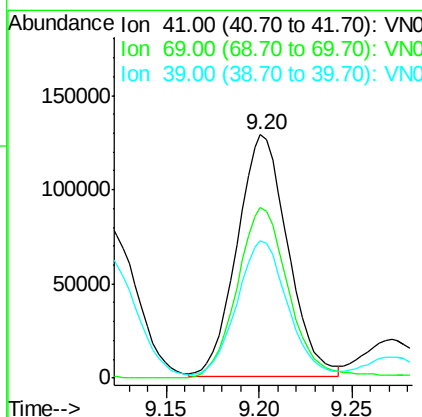
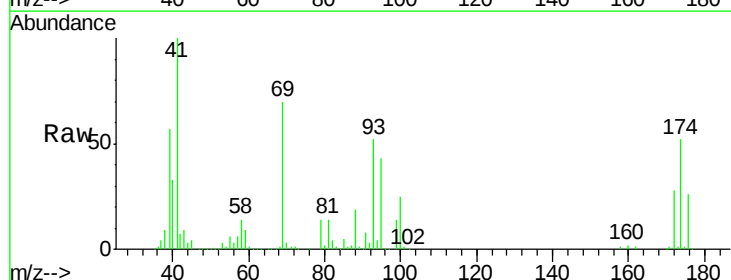
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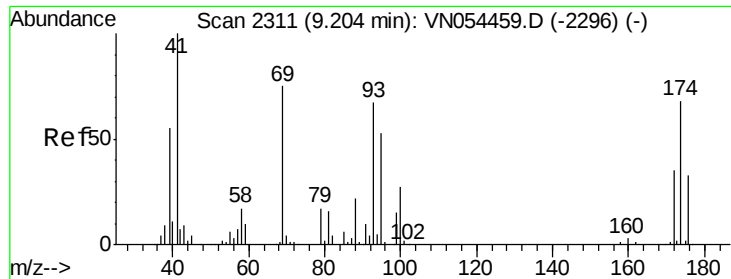
MMDadoda
3/25/2019 10:07:33 AM



#48
Methyl methacrylate
Concen: 56.565 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	243250		
69	72.3	72.6	108.8#	
39	57.3	47.5	71.3	





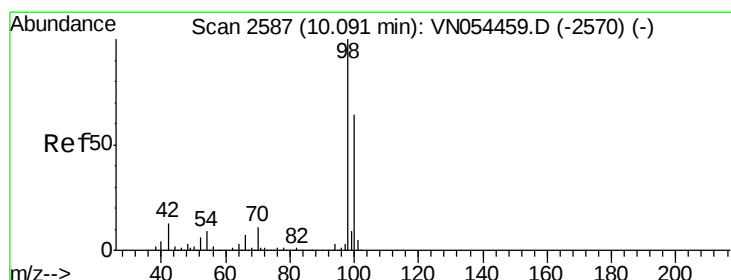
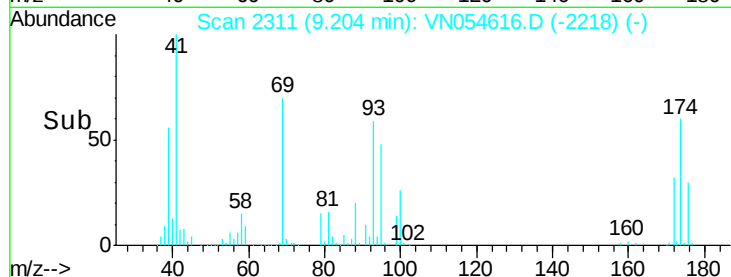
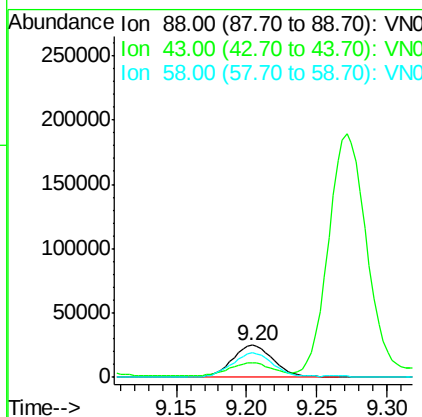
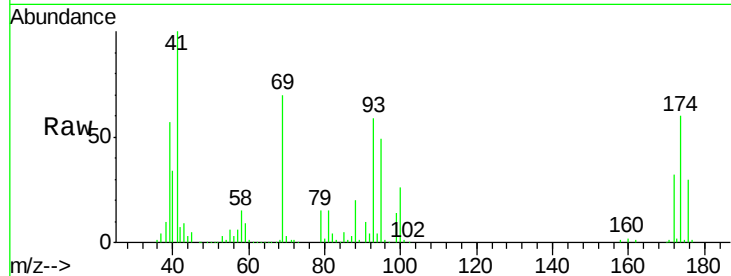
#49
 1,4-Dioxane
 Concen: 1076.968 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 51776
 Ion Ratio Lower Upper
 88 100
 43 43.1 24.1 36.1#
 58 76.4 50.8 76.2#

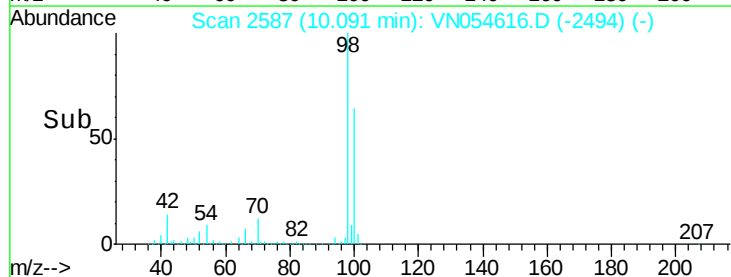
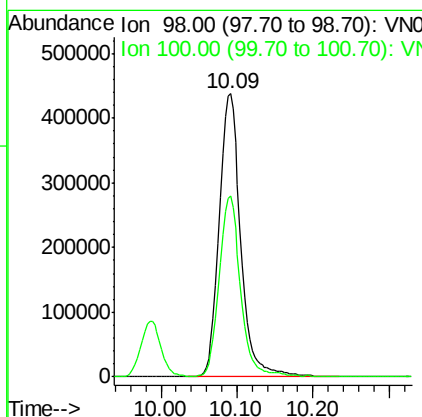
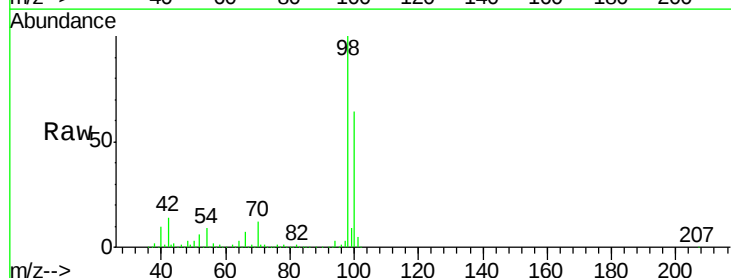
Manual Integrations
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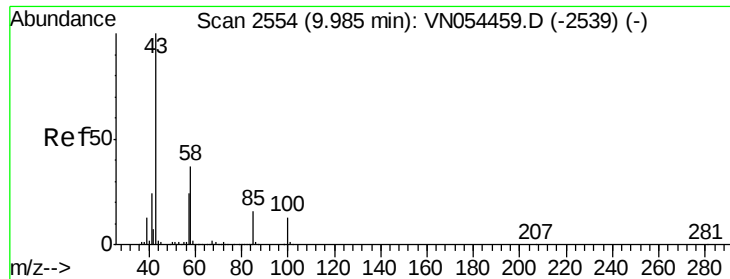
MMDadoda
 3/25/2019 10:07:33 AM



#50
 Toluene-d8
 Concen: 50.468 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 98 Resp: 862306
 Ion Ratio Lower Upper
 98 100
 100 62.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 304.252 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1335976

Ion Ratio Lower Upper

43 100

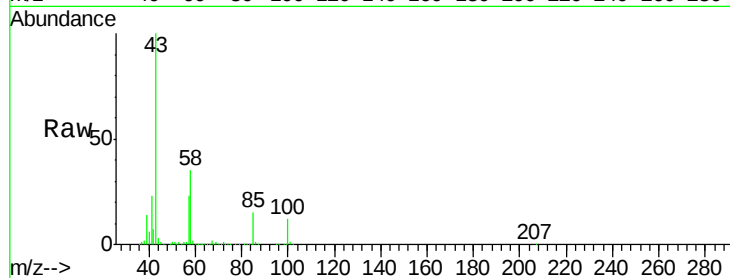
58 35.0 31.8 47.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

800000

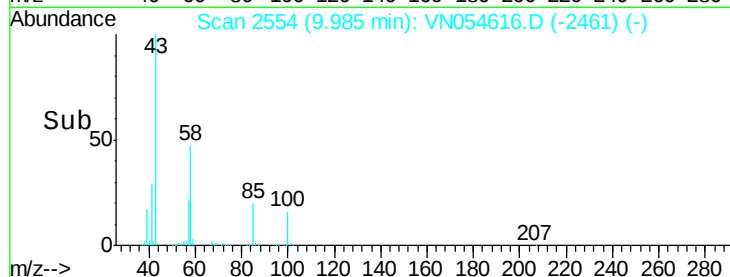
600000

400000

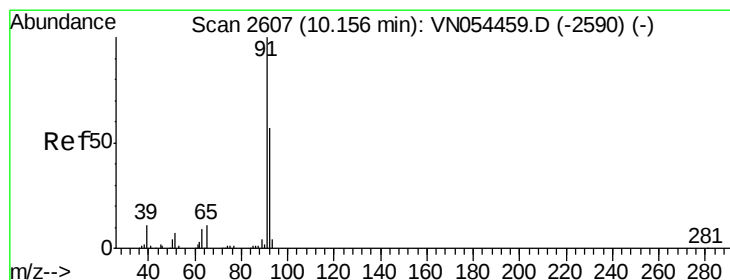
200000

0

9.90 9.95 10.00 10.05 10.10



Time-->



#52

Toluene

Concen: 51.949 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054616.D

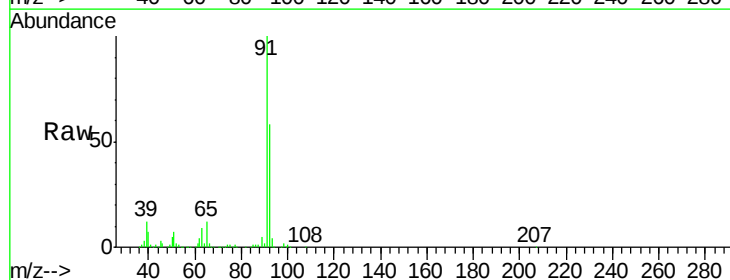
Acq: 23 Mar 2019 21:01

Tgt Ion: 92 Resp: 602659

Ion Ratio Lower Upper

92 100

91 173.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

600000

500000

400000

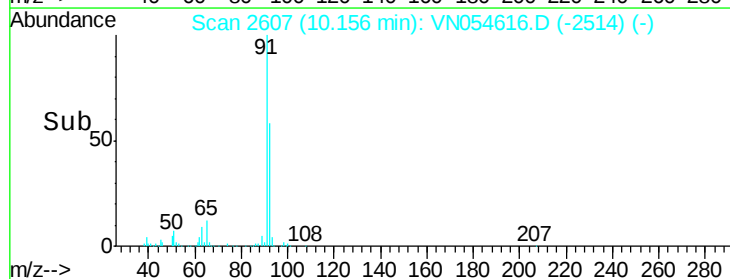
300000

200000

100000

0

10.10 10.15 10.20 10.25 10.30



Time-->



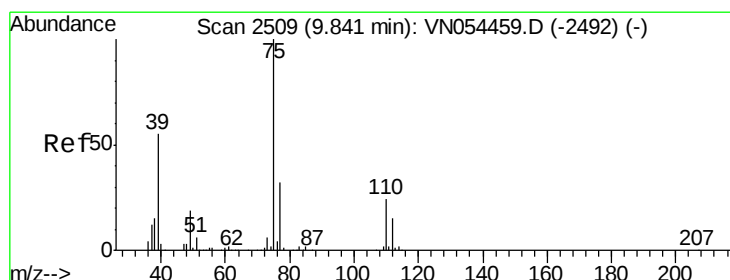
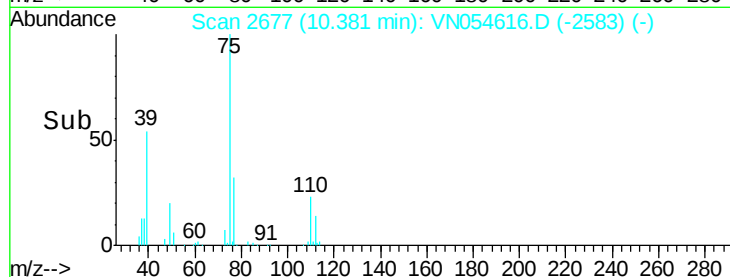
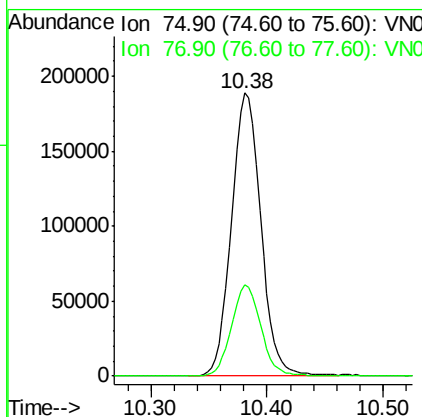
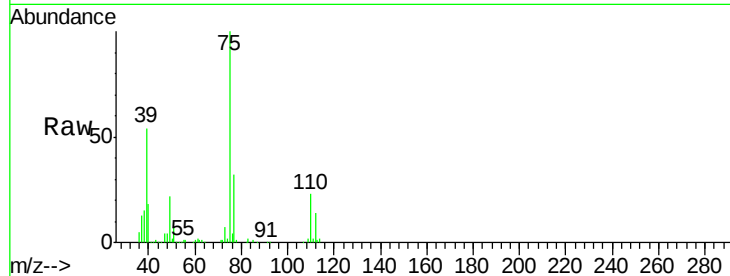
#53
t-1,3-Dichloropropene
Concen: 49.940 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8

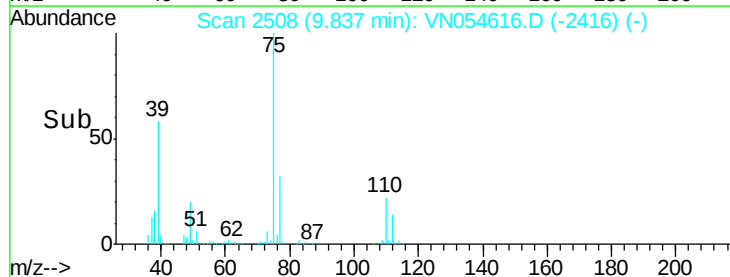
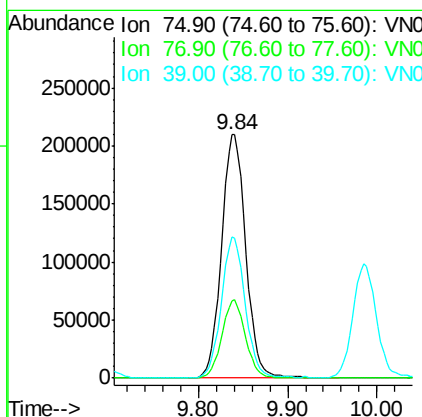
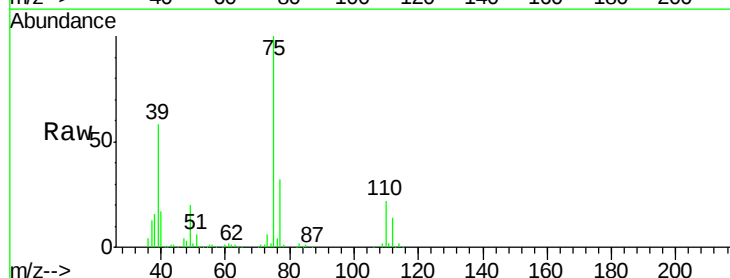
Manual Integrations
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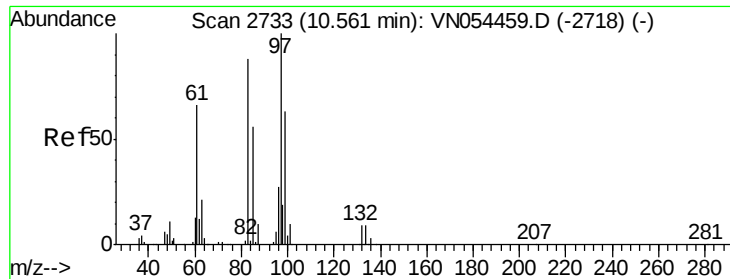
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.782 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	57.9	37.2	55.8#





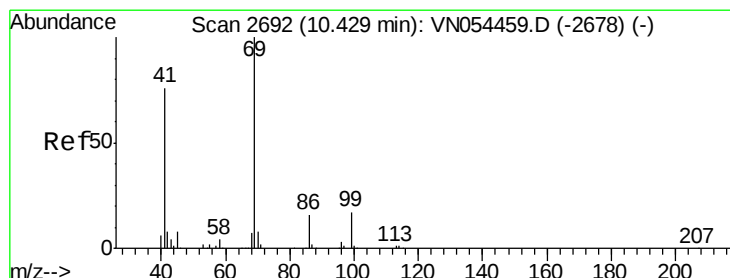
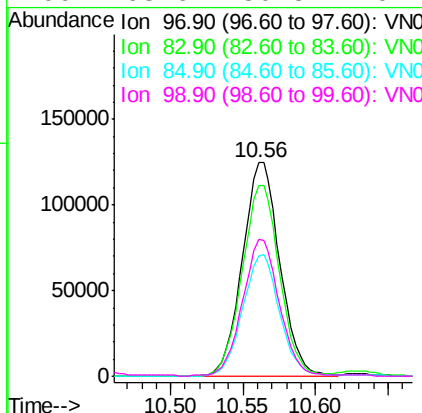
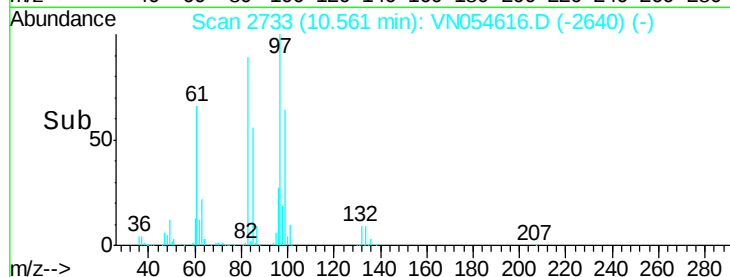
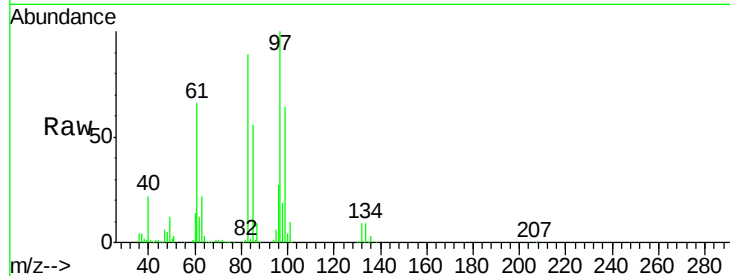
#55
 1,1,2-Trichloroethane
 Concen: 53.925 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		224873		
83	89.4	66.6	100.0		
85	56.4	44.4	66.6		
99	63.6	50.8	76.2		

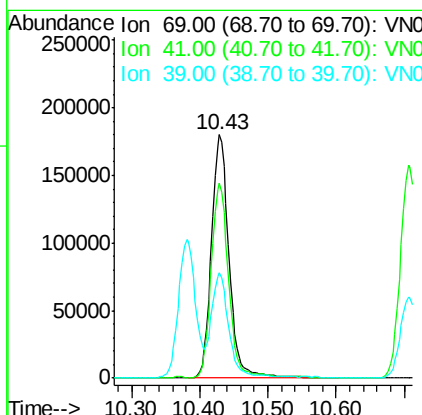
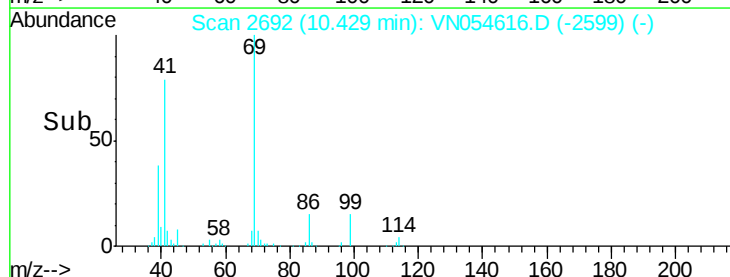
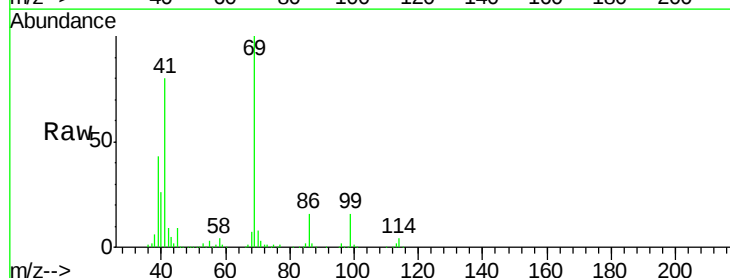
Manual Integrations
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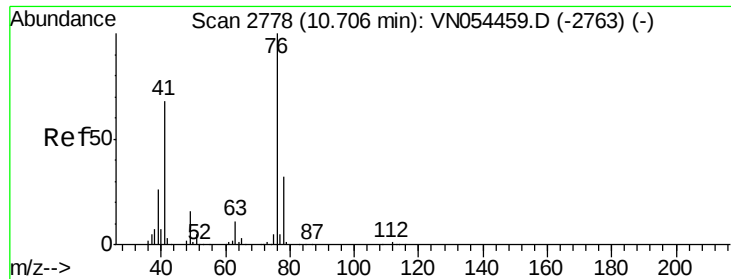
MMDadoda
 3/25/2019 10:07:33 AM



#56
 Ethyl methacrylate
 Concen: 57.695 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		322932		
41	78.2	49.4	74.2#		
39	42.4	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 54.688 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 396435

Ion Ratio Lower Upper

76 100

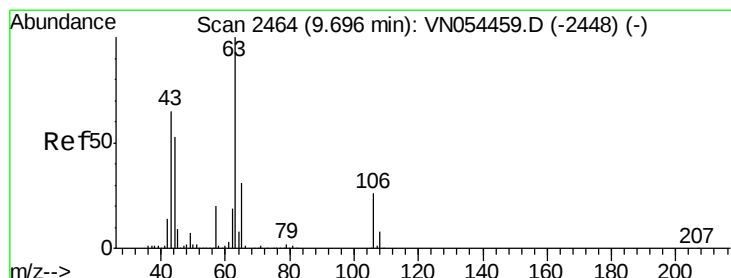
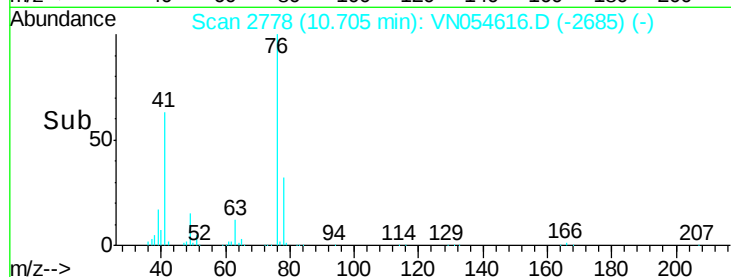
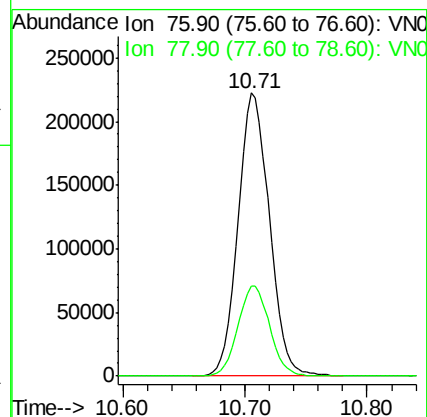
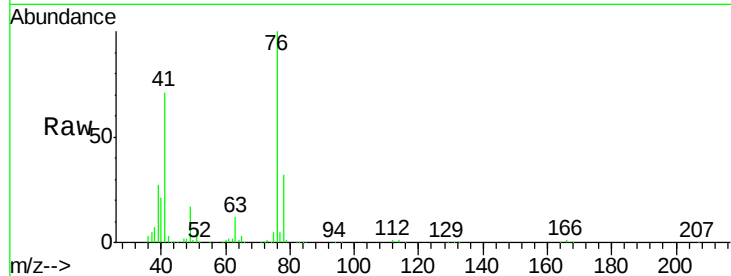
78 32.2 25.7 38.5

Manual Integrations

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MMDadoda

3/25/2019 10:07:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 266.119 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054616.D

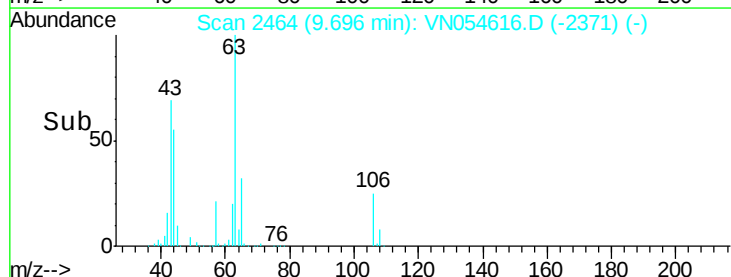
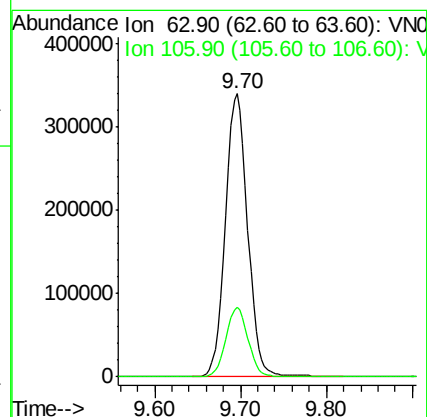
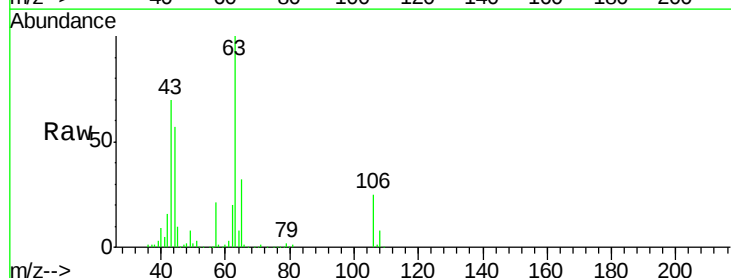
Acq: 23 Mar 2019 21:01

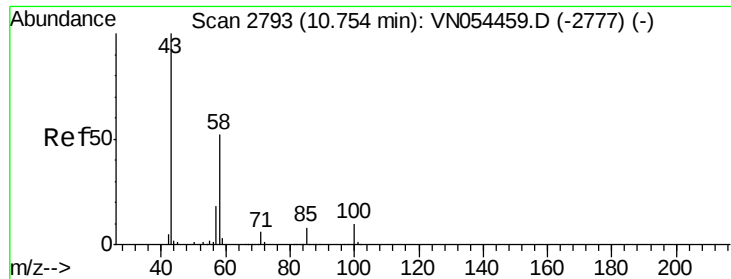
Tgt Ion: 63 Resp: 613349

Ion Ratio Lower Upper

63 100

106 24.5 24.4 36.6





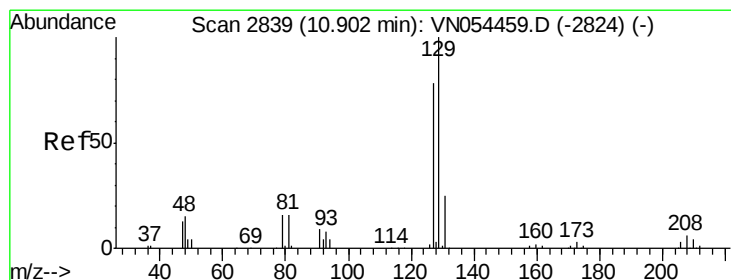
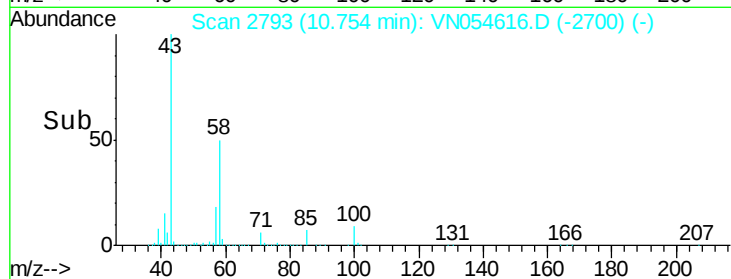
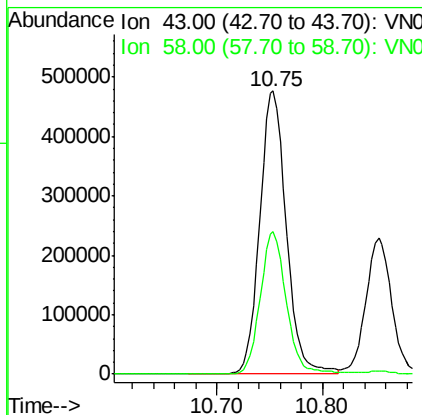
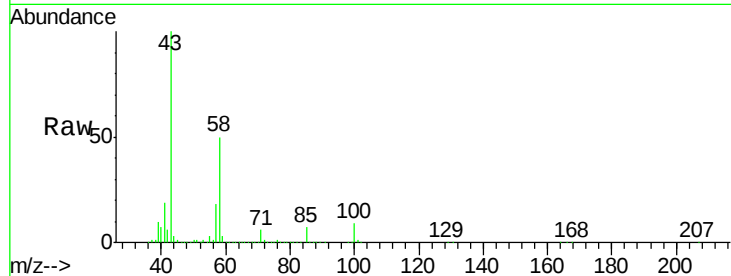
#59
2-Hexanone
Concen: 291.402 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 835789
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9

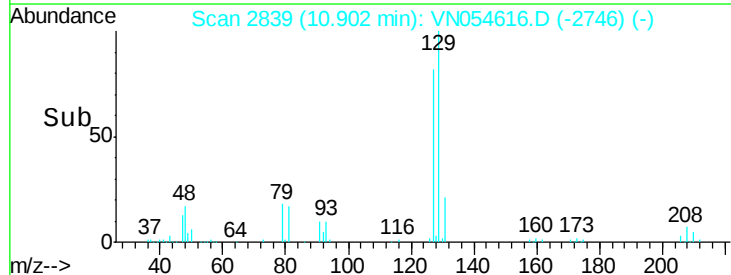
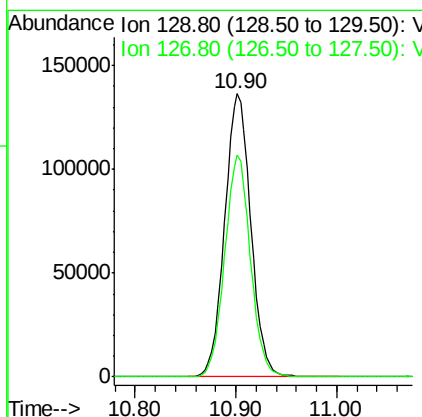
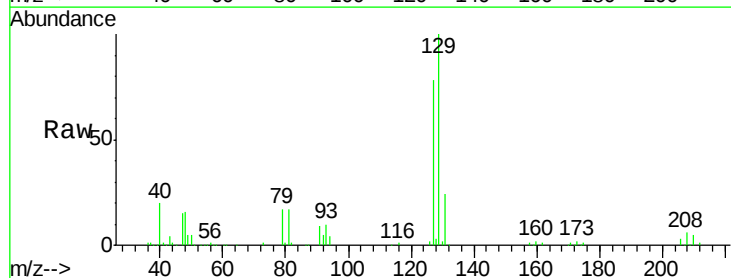
Manual Integrations
APPROVED

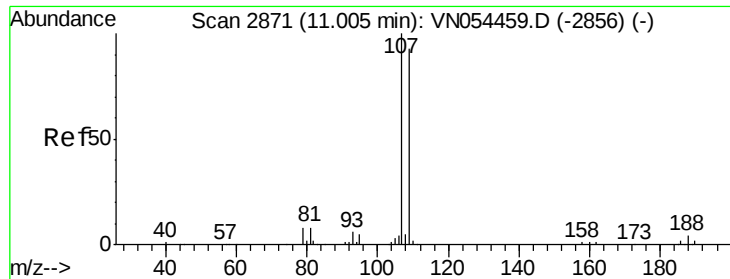
MMDadoda
3/25/2019 10:07:33 AM



#60
Dibromochloromethane
Concen: 55.701 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 129 Resp: 247170
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





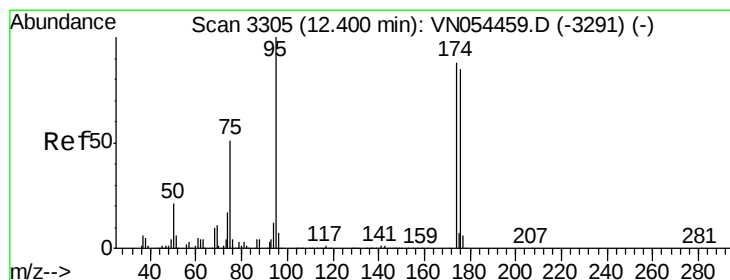
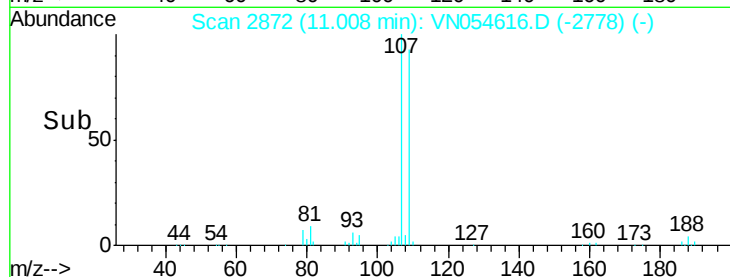
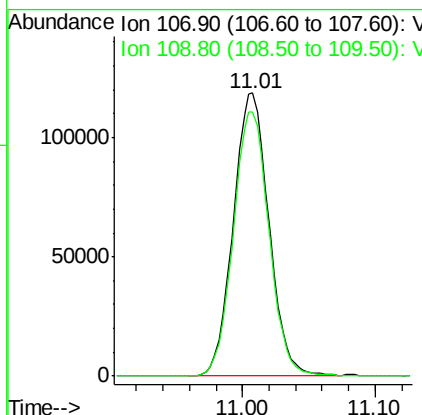
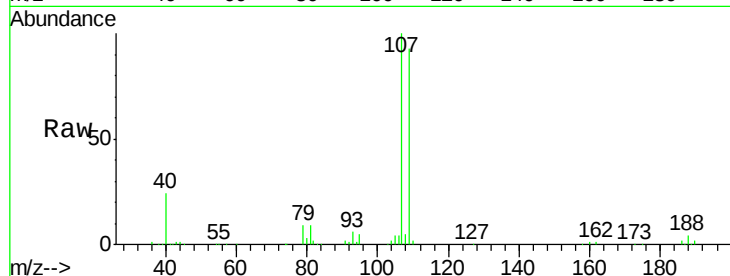
#61
1,2-Dibromoethane
Concen: 53.586 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 107 Resp: 220919
Ion Ratio Lower Upper
107 100
109 94.0 75.9 113.9

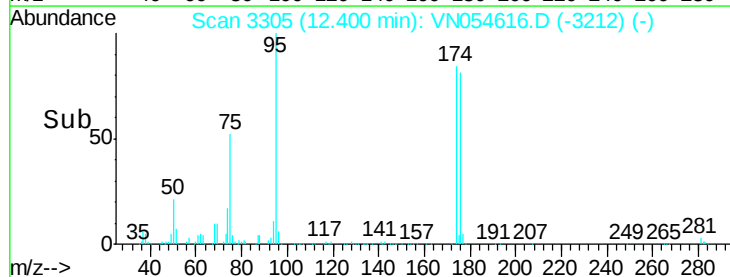
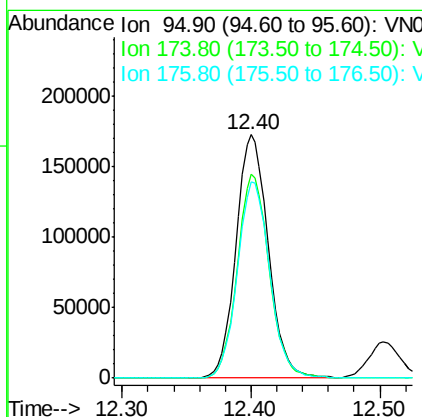
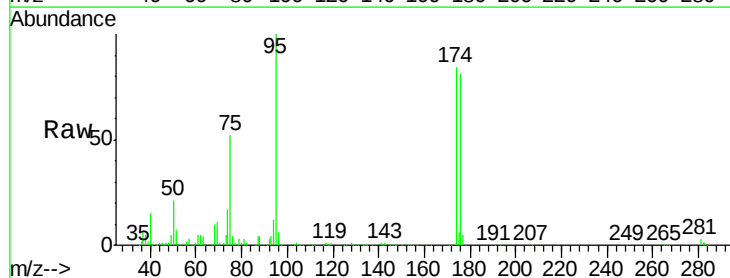
Manual Integrations
APPROVED

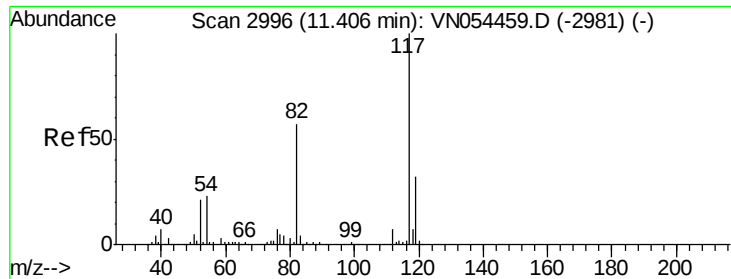
MMDadoda
3/25/2019 10:07:33 AM



#62
4-Bromofluorobenzene
Concen: 51.687 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 95 Resp: 300515
Ion Ratio Lower Upper
95 100
174 83.0 0.0 191.0
176 80.8 0.0 187.4





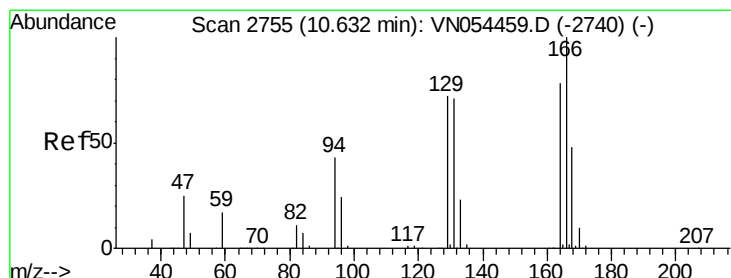
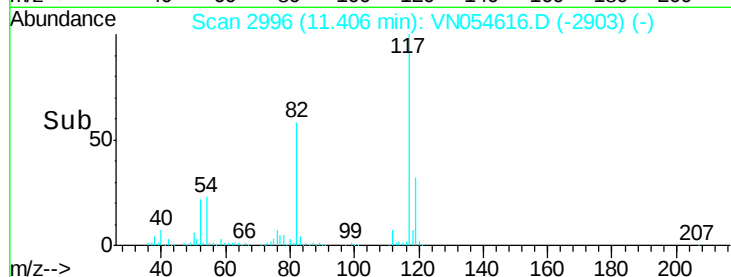
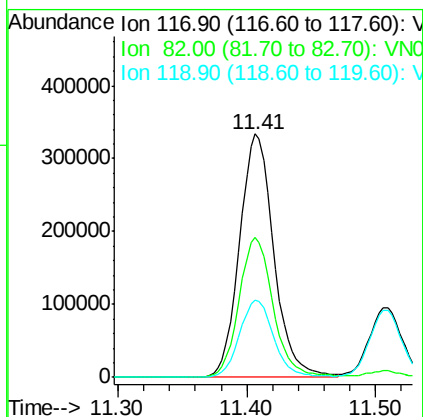
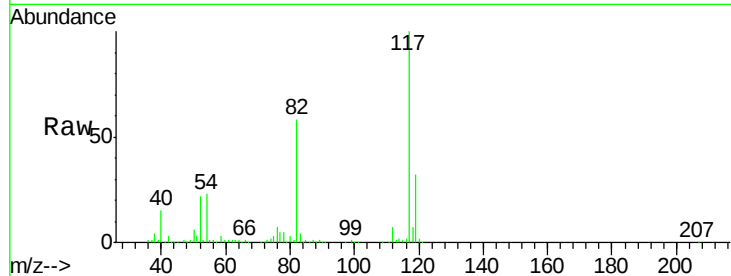
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	40.0	60.0
119	32.0	25.8	38.6

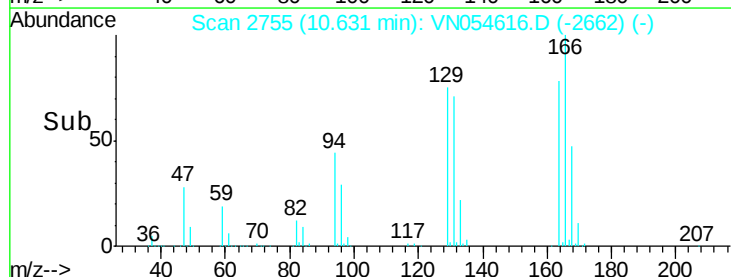
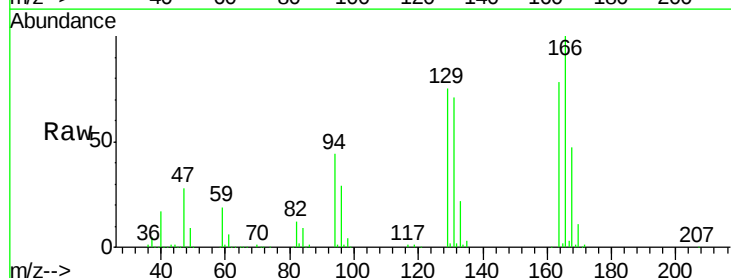
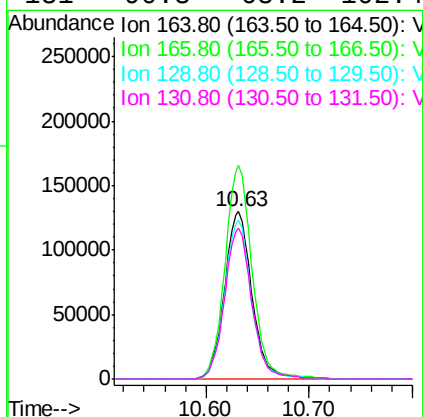
Manual Integrations
APPROVED

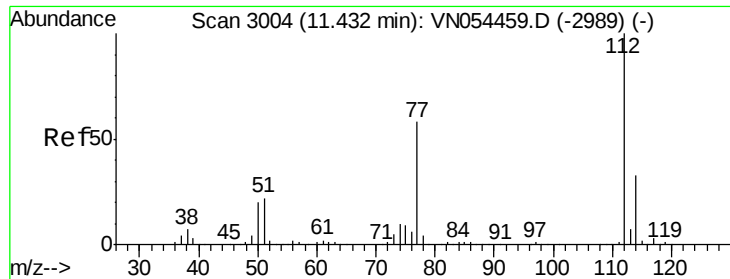
MMDadoda
3/25/2019 10:07:33 AM



#64
Tetrachloroethene
Concen: 46.833 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.9	155.9
129	95.2	71.1	106.7
131	90.3	68.2	102.4





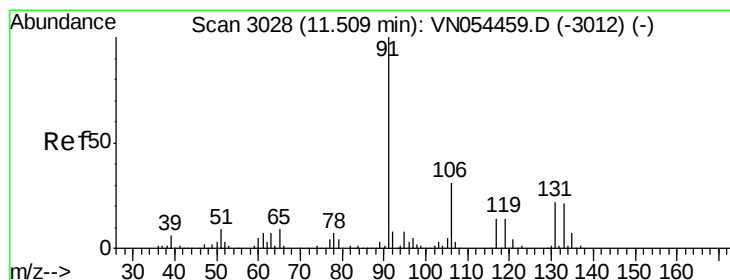
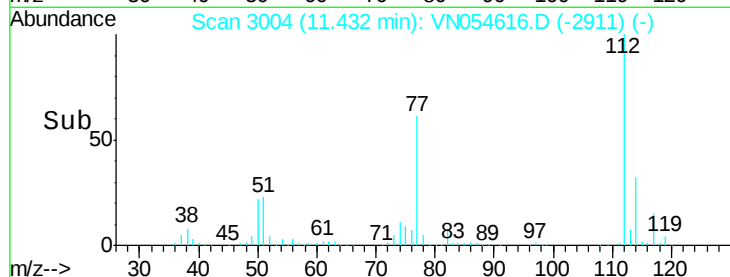
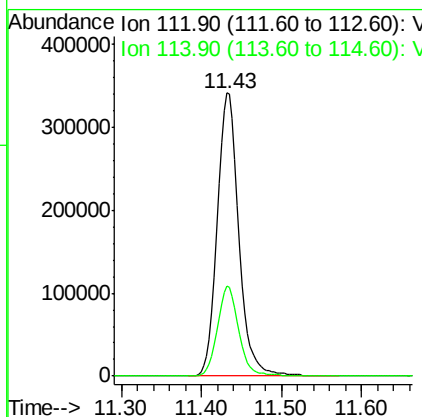
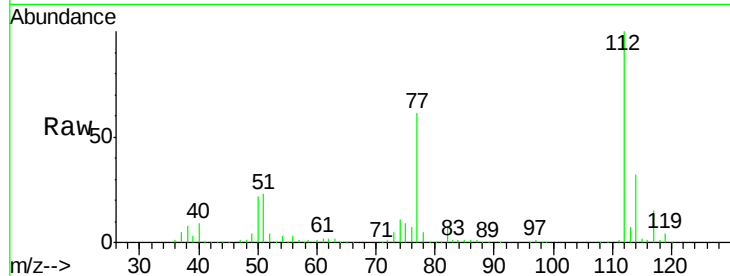
#65
Chlorobenzene
Concen: 50.814 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 640005
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

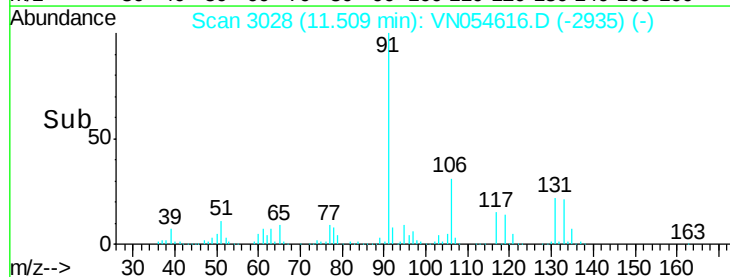
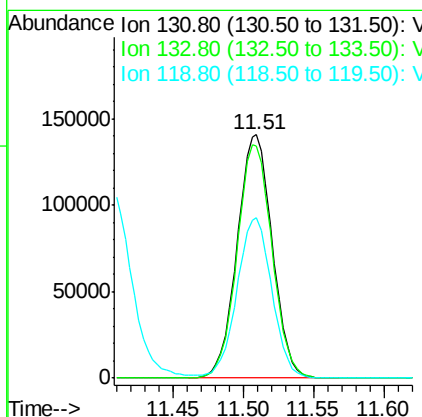
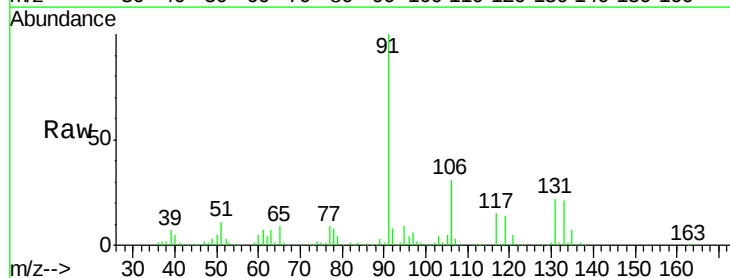
Manual Integrations
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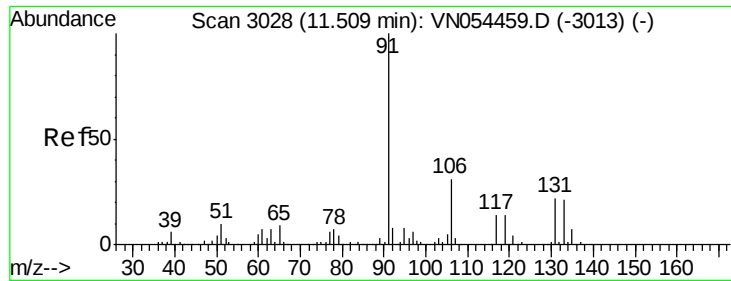
MMDadoda
3/25/2019 10:07:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.237 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:131 Resp: 245191
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 65.6 32.4 97.0





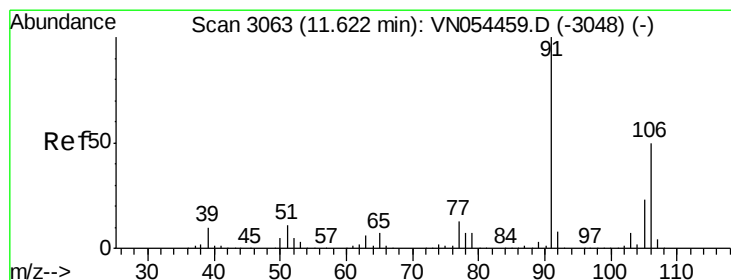
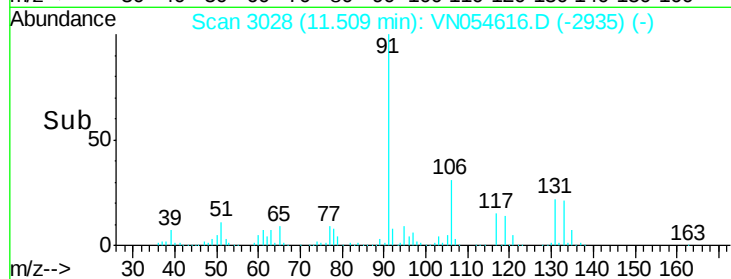
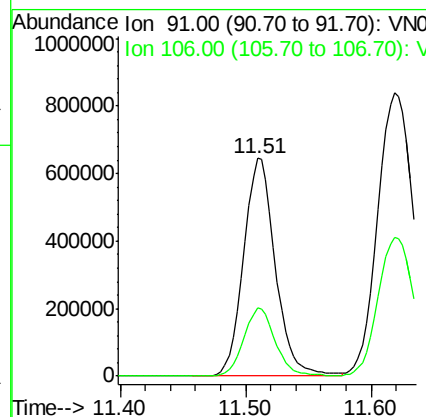
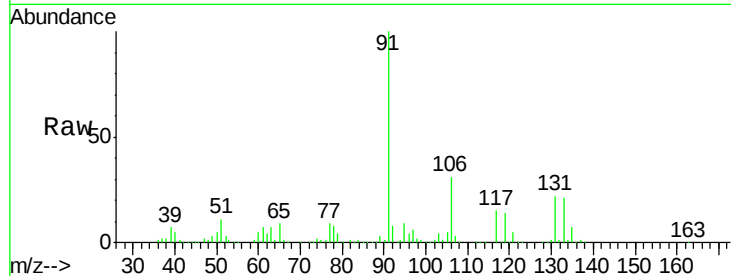
#67
Ethyl Benzene
Concen: 51.129 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1137530
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

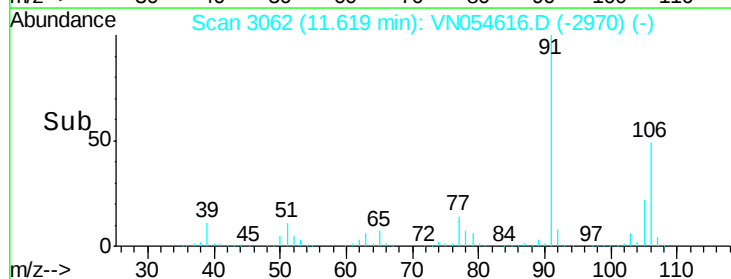
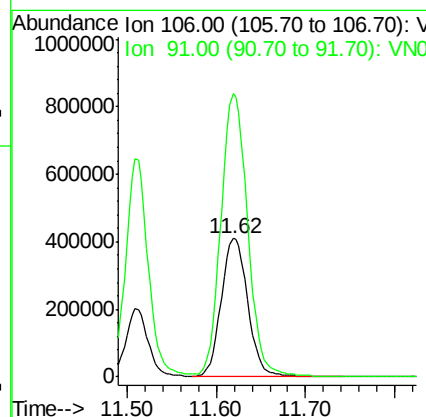
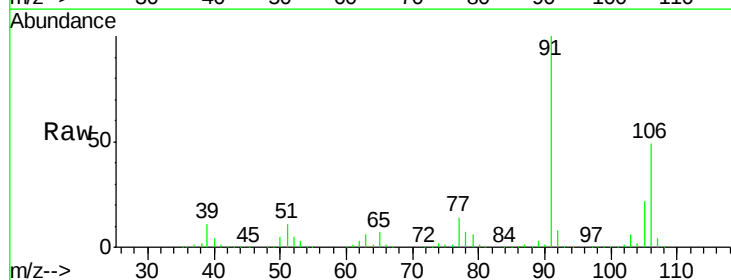
Manual Integrations
APPROVED

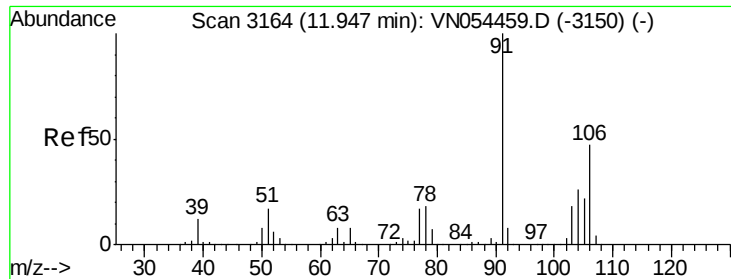
MMDadoda
3/25/2019 10:07:33 AM



#68
m/p-Xylenes
Concen: 100.708 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 106 Resp: 848675
Ion Ratio Lower Upper
106 100
91 205.4 159.4 239.2





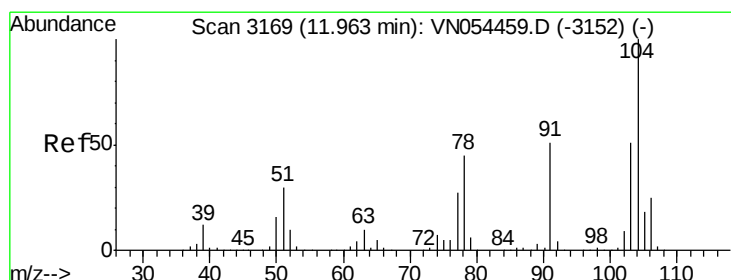
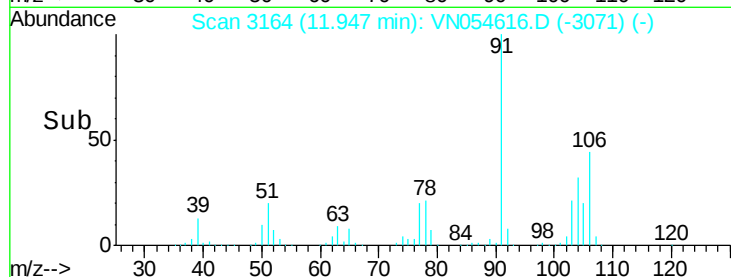
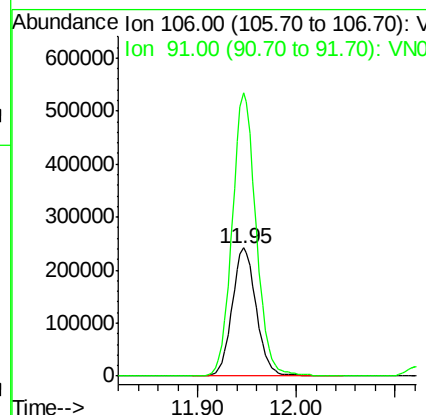
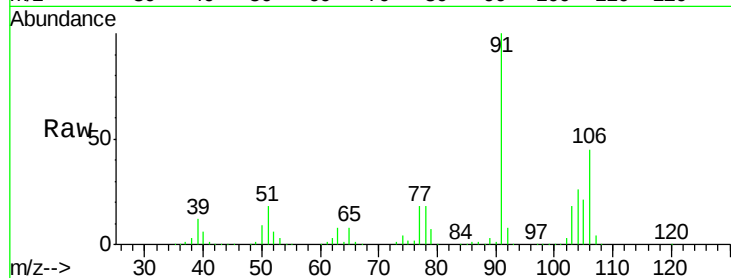
#69
o-Xylene
Concen: 50.509 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 415684
Ion Ratio Lower Upper
106 100
91 218.4 105.7 317.1

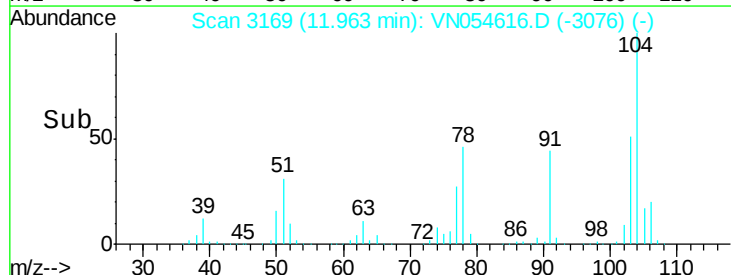
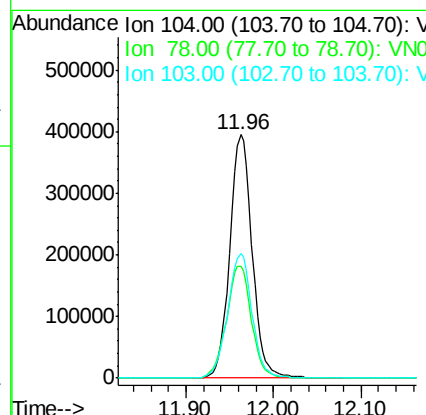
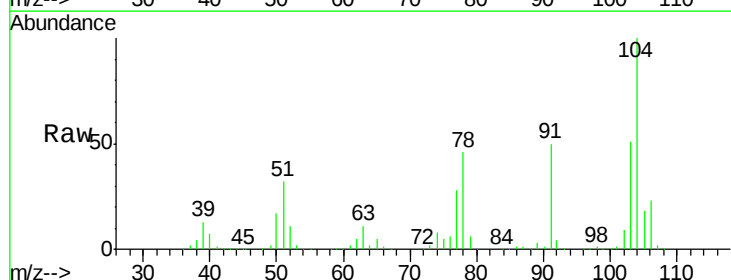
Manual Integrations
APPROVED

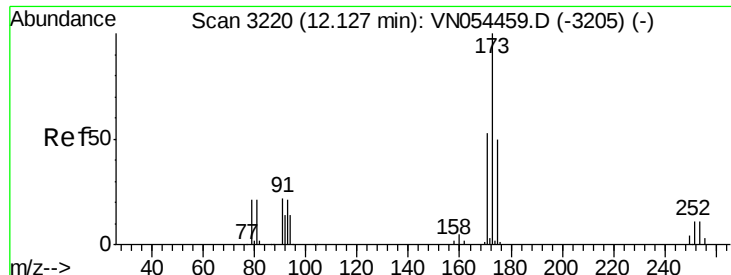
MMDadoda
3/25/2019 10:07:33 AM



#70
Styrene
Concen: 52.598 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:104 Resp: 702961
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 49.832 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 155287

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.2

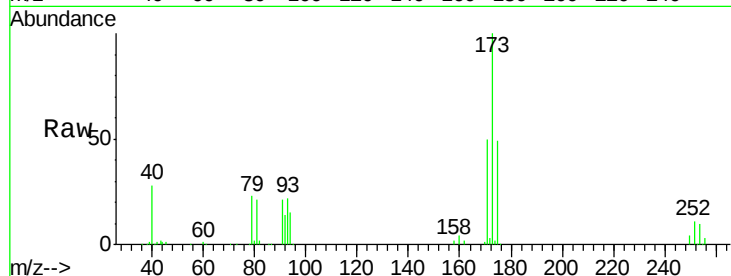
254 0.2 0.1 0.1#

Manual Integrations

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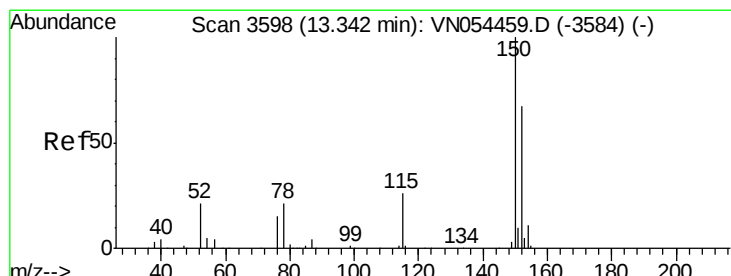
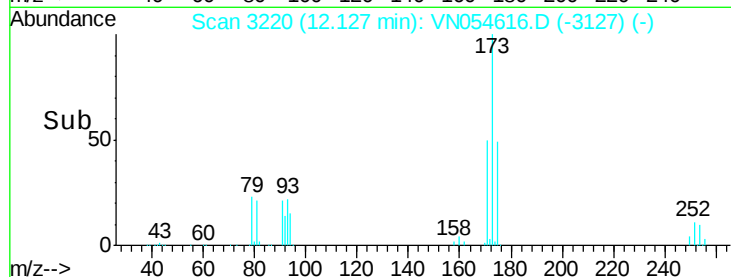
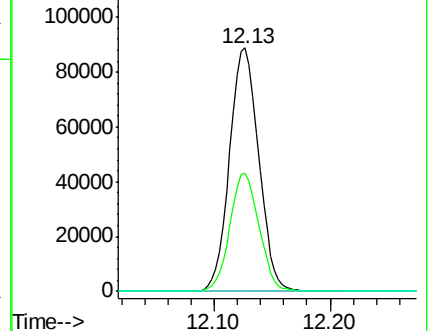
3/25/2019 10:07:33 AM



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: VN054616.D

Acq: 23 Mar 2019 21:01

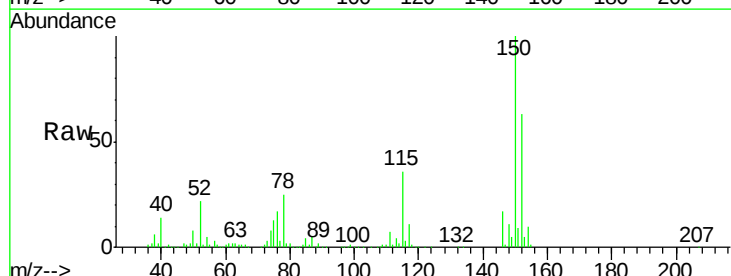
Tgt Ion:152 Resp: 271351

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

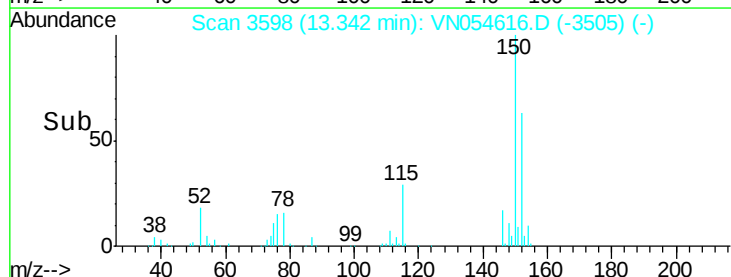
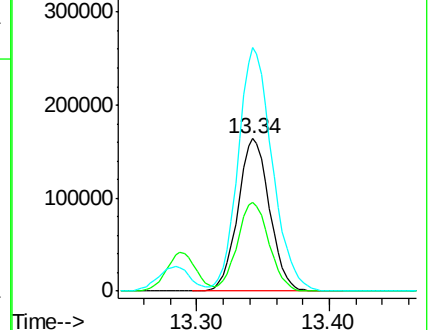
150 172.6 0.0 349.2

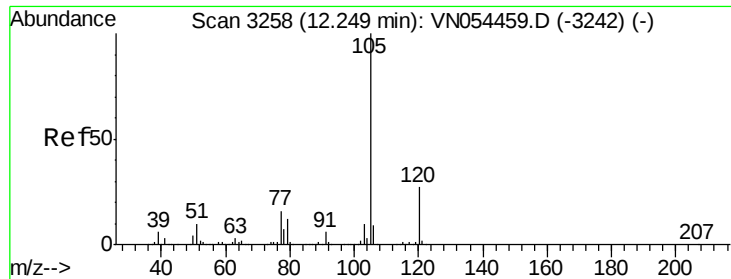


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





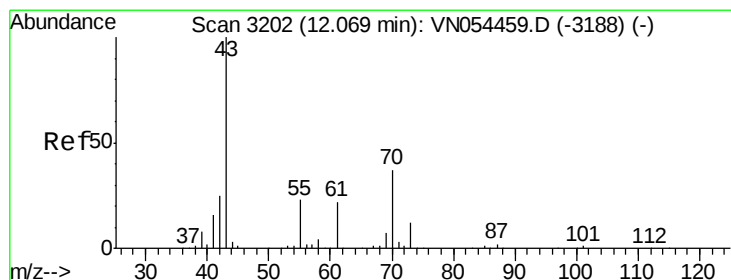
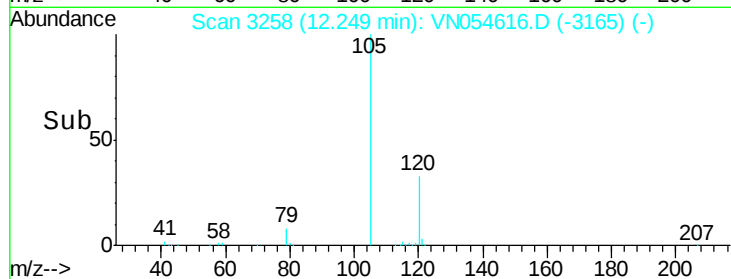
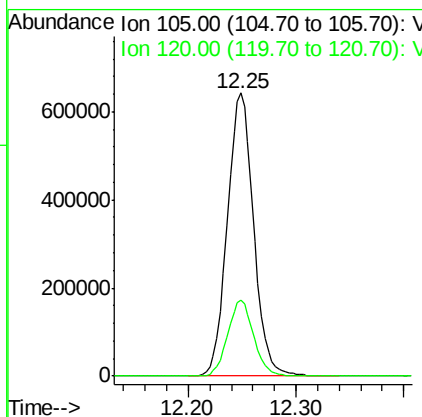
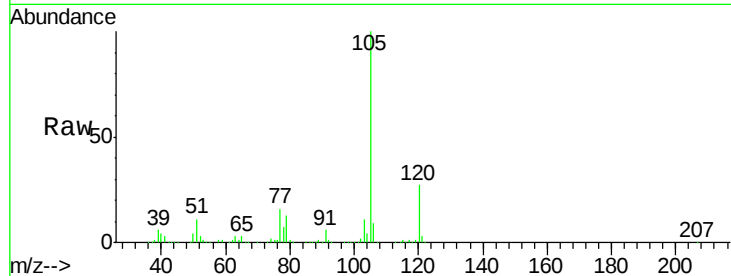
#73
Isopropylbenzene
Concen: 49.835 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1089685
Ion Ratio Lower Upper
105 100
120 26.7 13.8 41.3

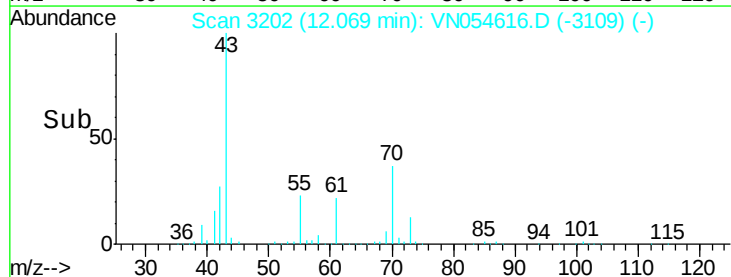
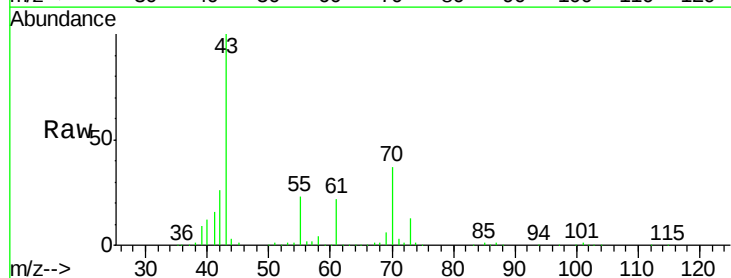
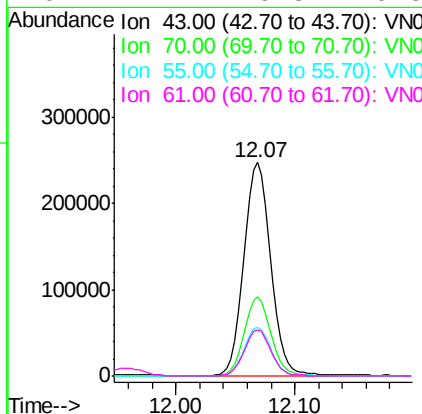
Manual Integrations
APPROVED

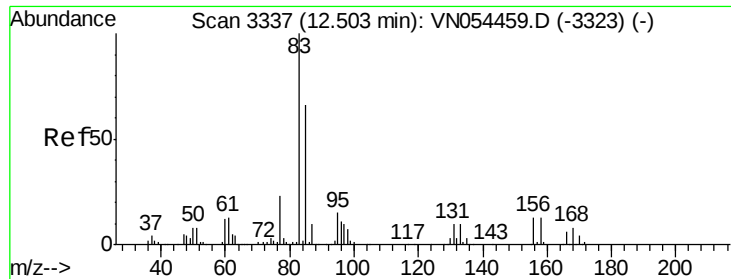
MMDadoda
3/25/2019 10:07:33 AM



#74
N-ethyl acetate
Concen: 61.528 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 43 Resp: 386843
Ion Ratio Lower Upper
43 100
70 36.8 35.4 53.0
55 23.2 19.8 29.6
61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.464 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

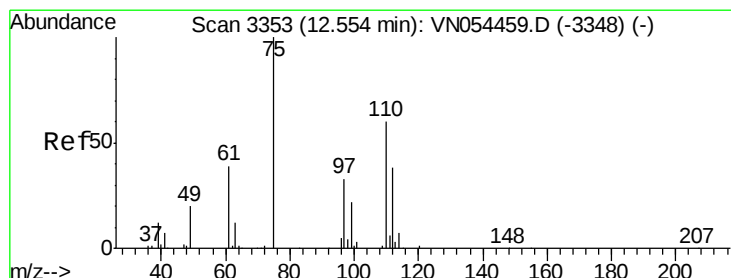
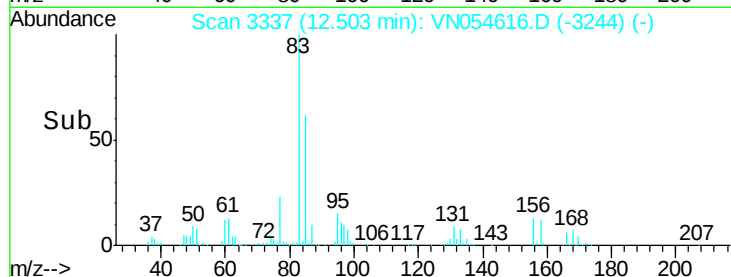
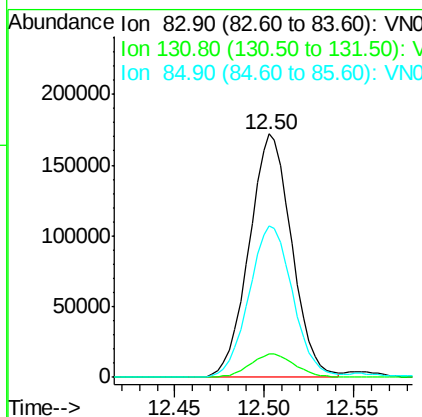
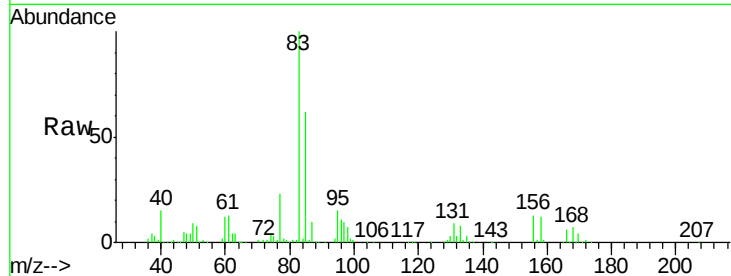
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	286829
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	64.1	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.997 ug/l m

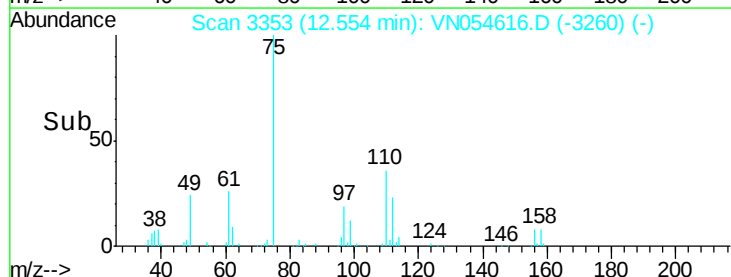
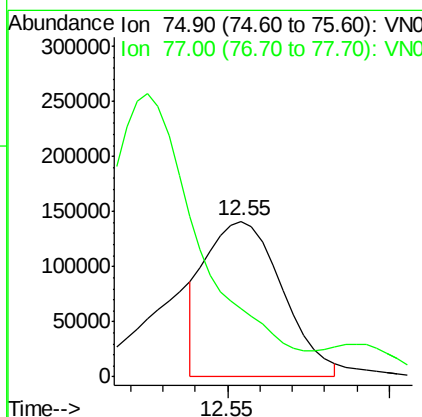
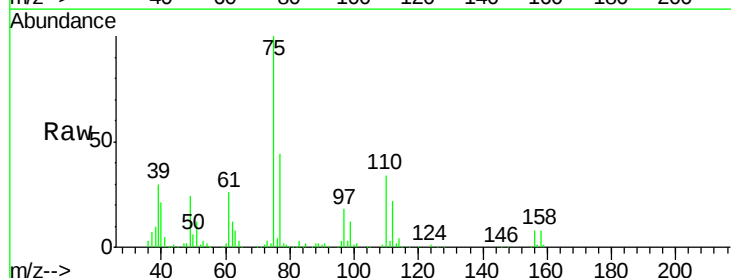
RT: 12.55 min Scan# 3353

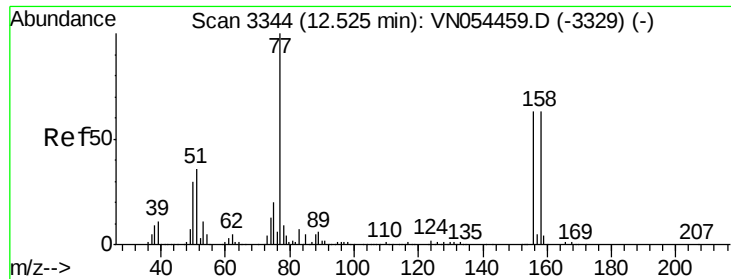
Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Tgt Ion:	75	Resp:	232507
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.585 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 274328

Ion Ratio Lower Upper

156 100

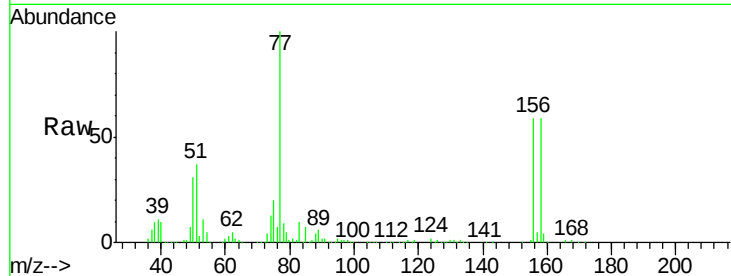
77 193.6 81.5 244.4

158 97.2 49.0 147.2

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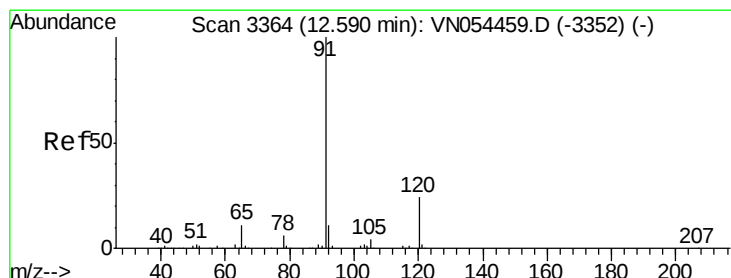
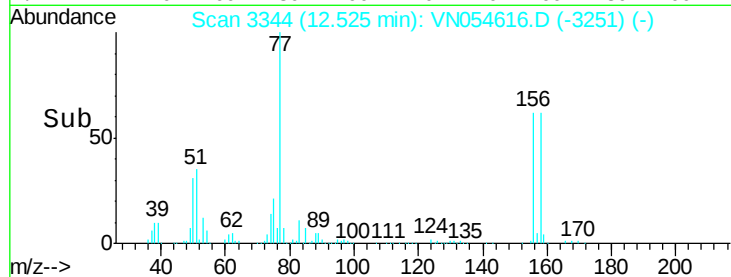
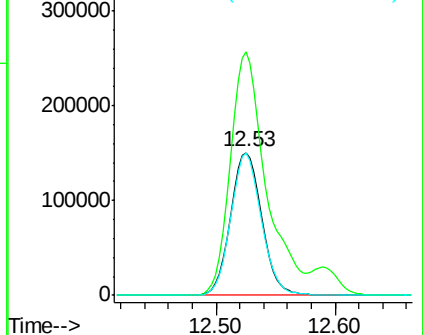
3/25/2019 10:07:33 AM



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: 50.740 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054616.D

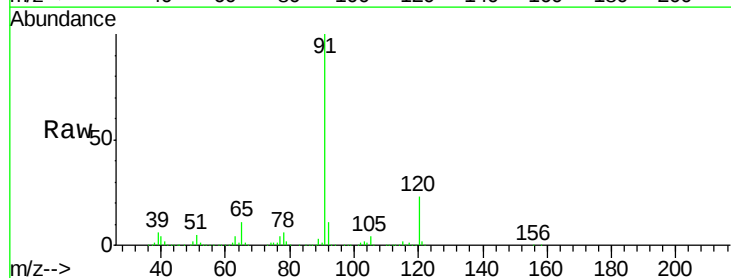
Acq: 23 Mar 2019 21:01

Tgt Ion: 91 Resp: 1203071

Ion Ratio Lower Upper

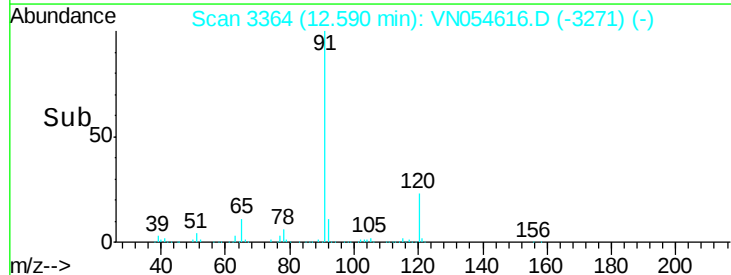
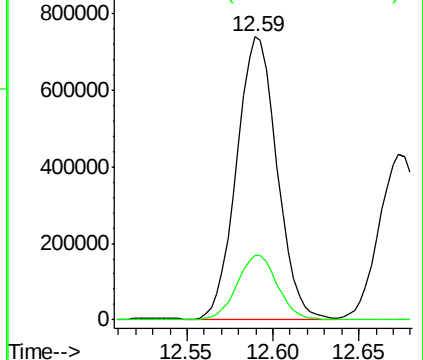
91 100

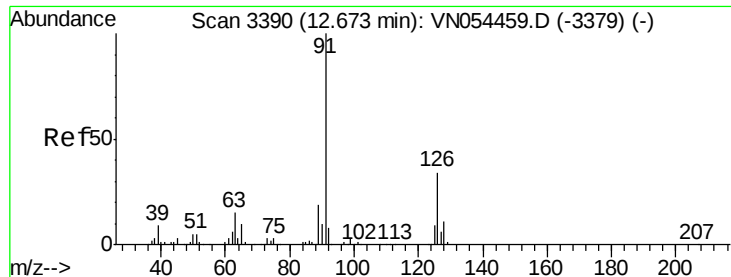
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.061 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 740194

Ion Ratio Lower Upper

91 100

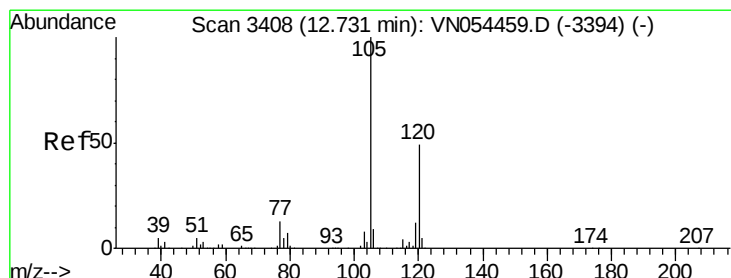
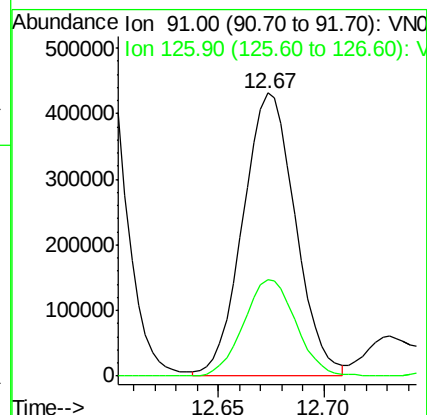
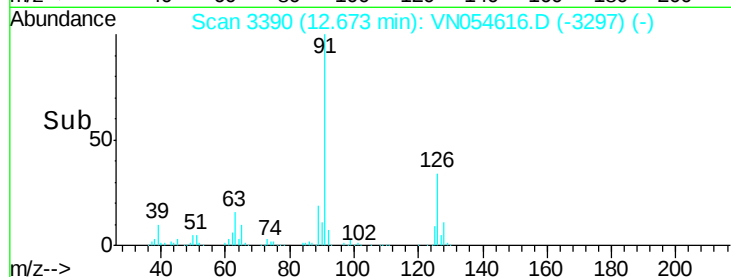
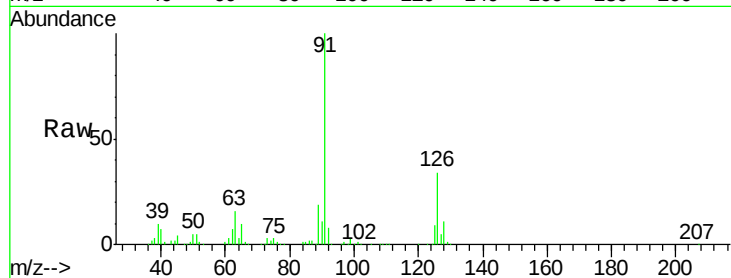
126 34.5 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.653 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054616.D

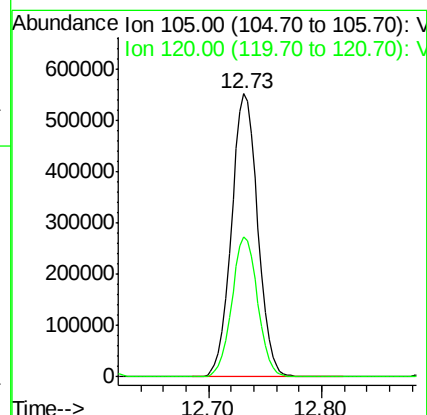
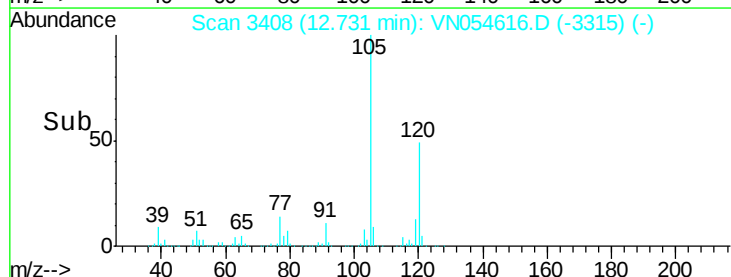
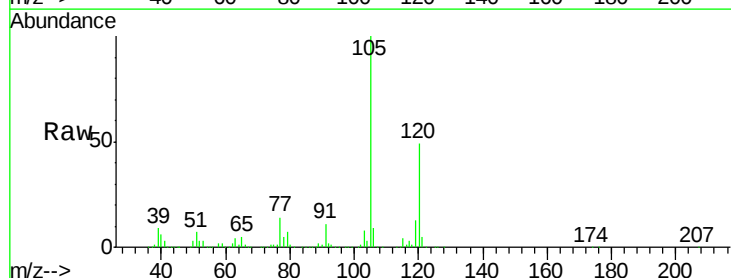
Acq: 23 Mar 2019 21:01

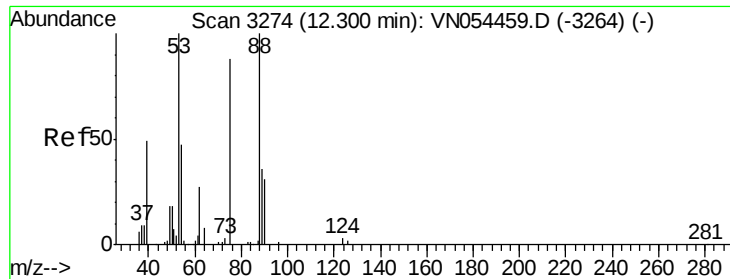
Tgt Ion: 105 Resp: 889843

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.838 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 63570

Ion Ratio Lower Upper

75 100

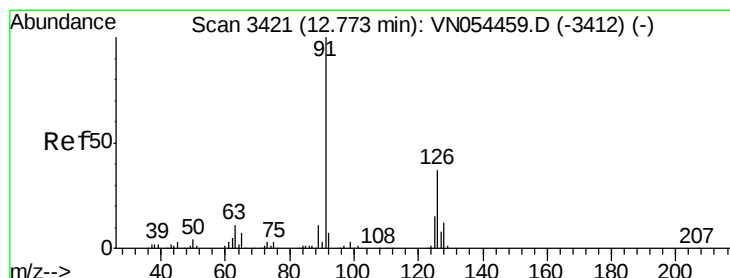
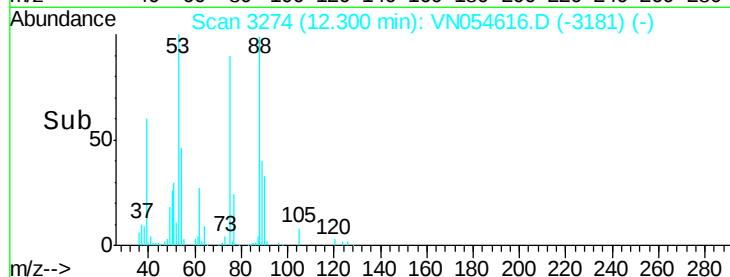
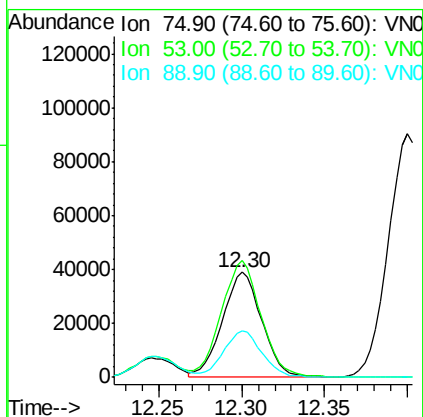
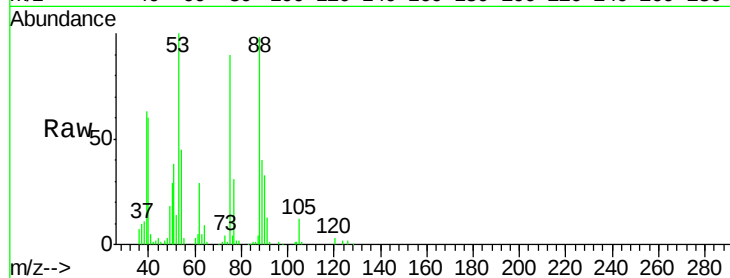
53 112.9 76.2 114.2

89 43.8 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.947 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054616.D

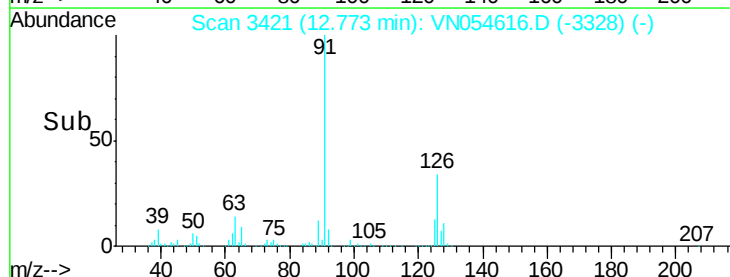
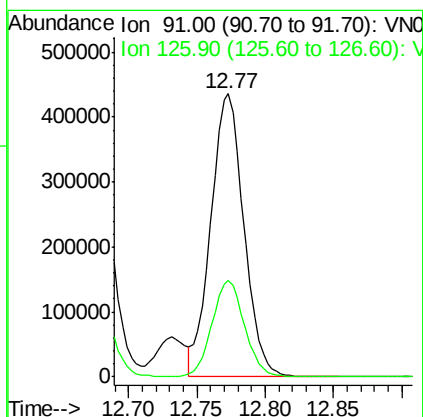
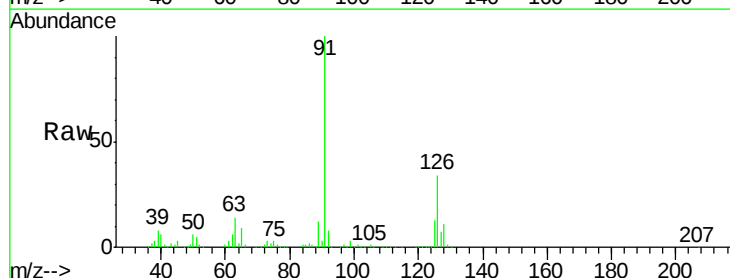
Acq: 23 Mar 2019 21:01

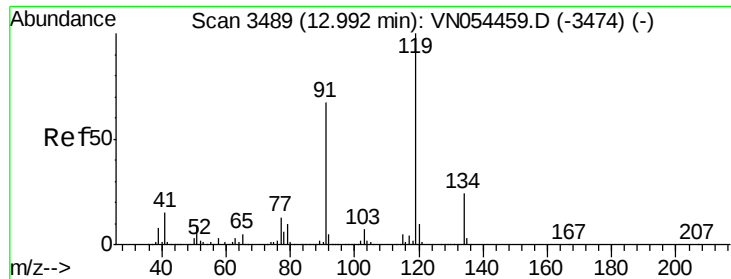
Tgt Ion: 91 Resp: 730174

Ion Ratio Lower Upper

91 100

126 33.6 18.1 54.1





#83

tert-Butylbenzene

Concen: 49.348 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

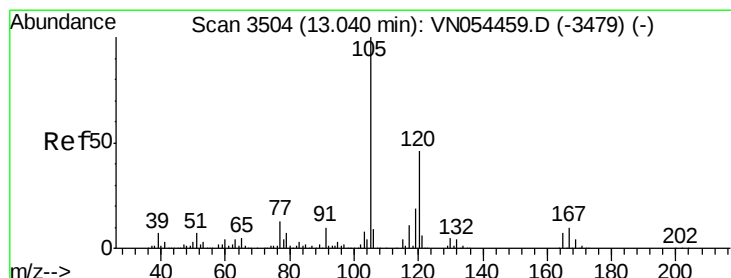
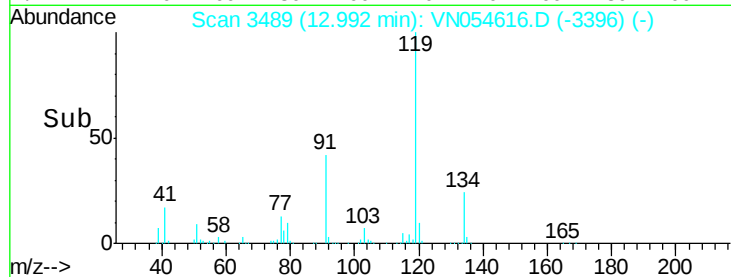
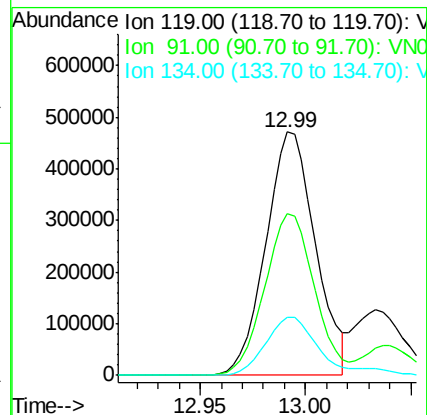
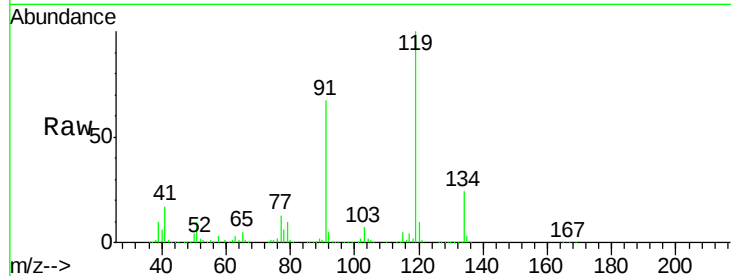
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	769798
Ion Ratio	Lower	Upper	
119	100		
91	66.7	30.9	92.8
134	26.4	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 50.603 ug/l

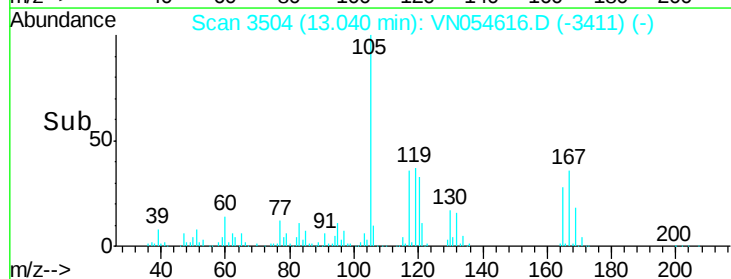
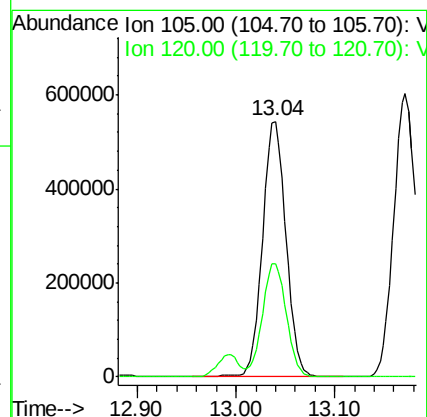
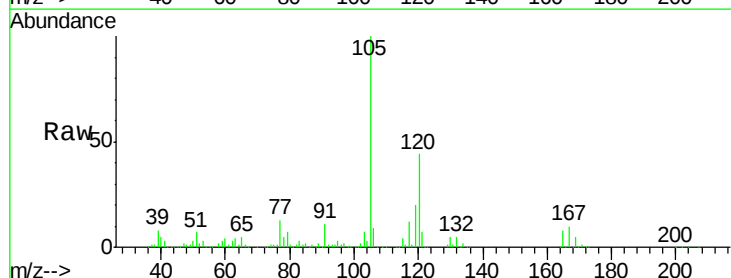
RT: 13.04 min Scan# 3504

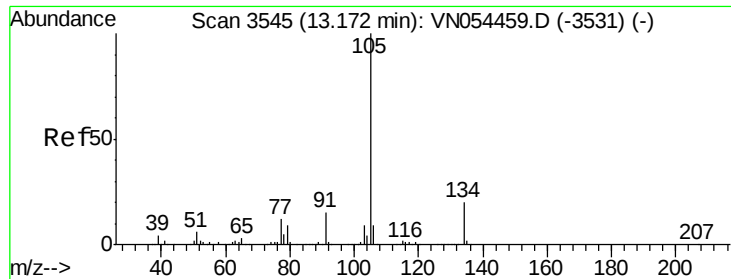
Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Tgt Ion:	105	Resp:	889835
Ion Ratio	Lower	Upper	
105	100		
120	45.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.730 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 967044

Ion Ratio Lower Upper

105 100

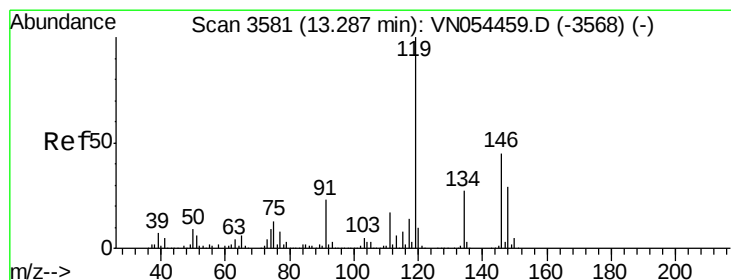
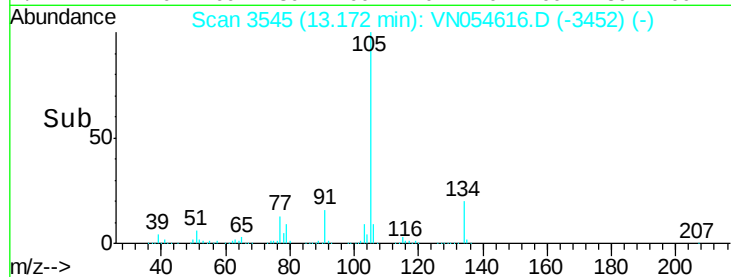
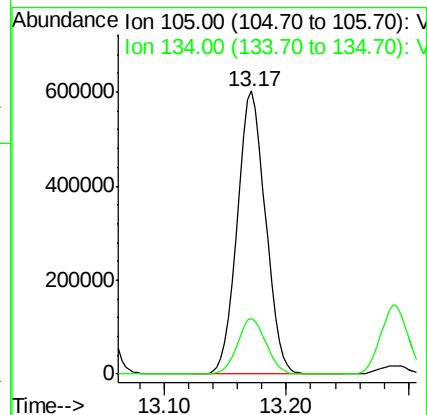
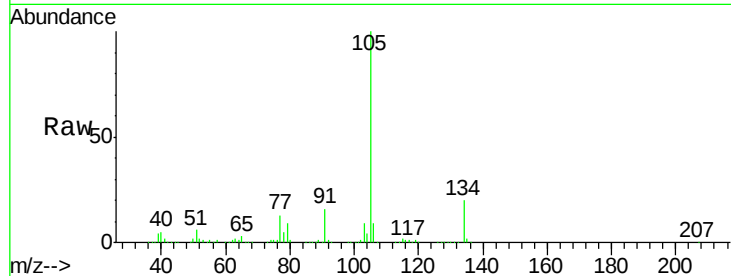
134 19.9 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 49.179 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

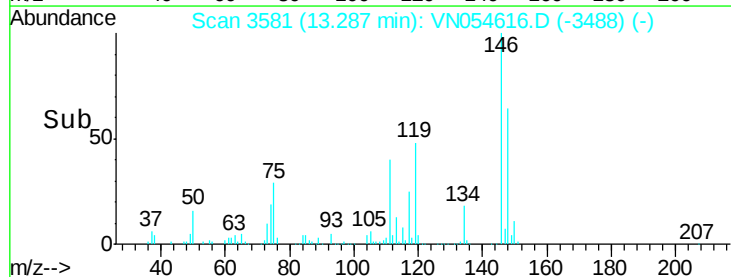
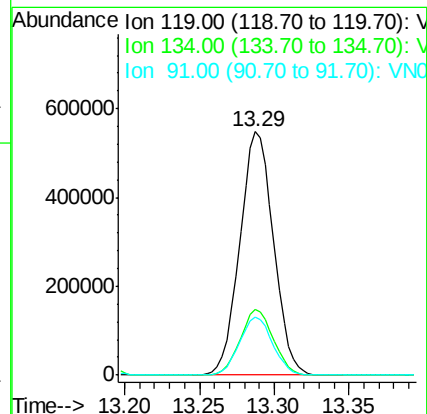
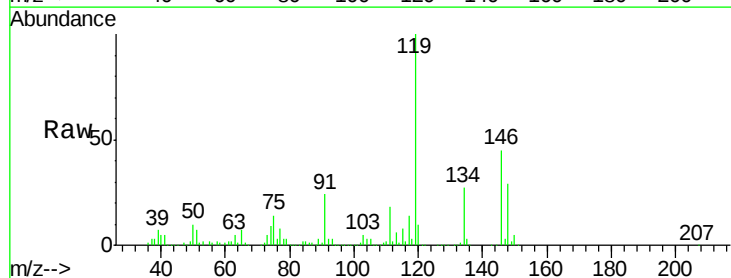
Tgt Ion:119 Resp: 855581

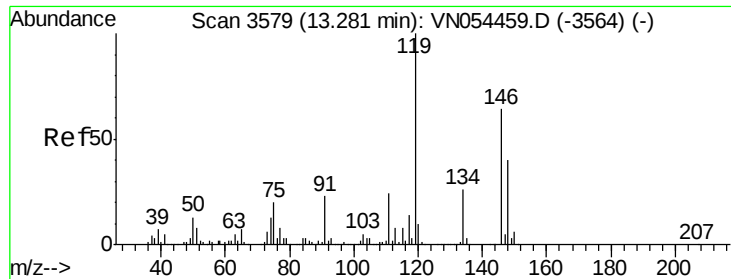
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.4 11.1 33.3





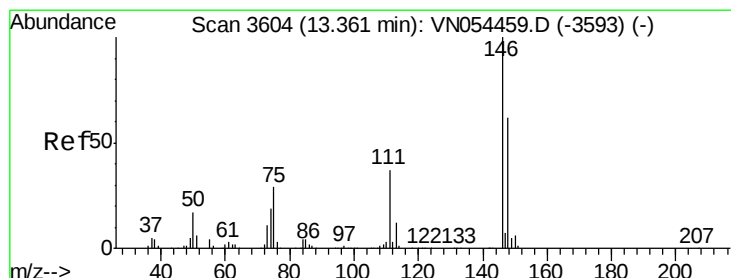
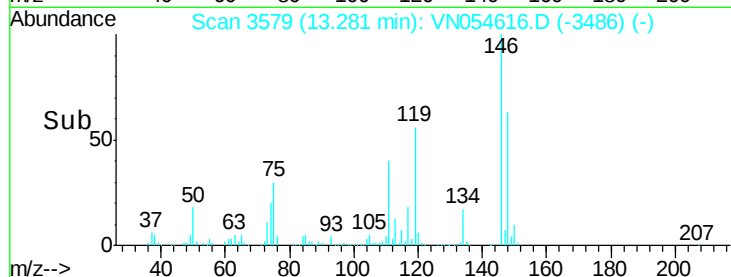
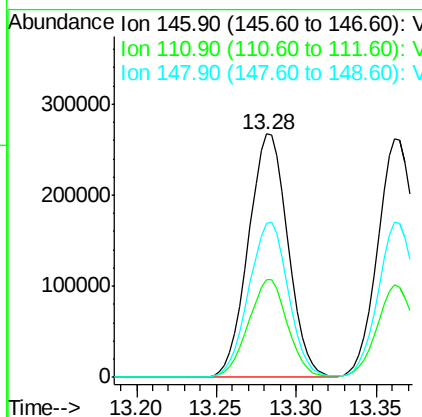
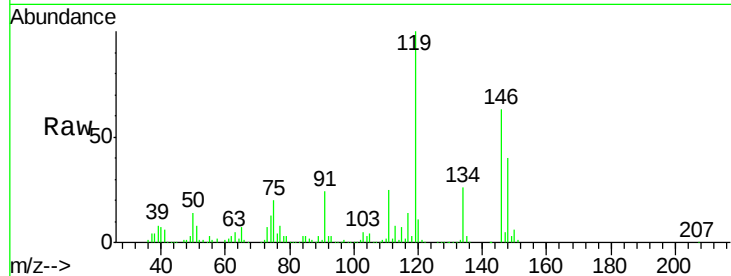
#87
 1,3-Dichlorobenzene
 Concen: 50.389 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	452838		
111	39.8	18.8	56.3	
148	63.9	32.2	96.6	

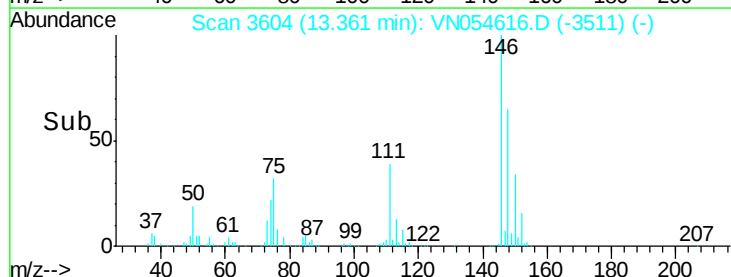
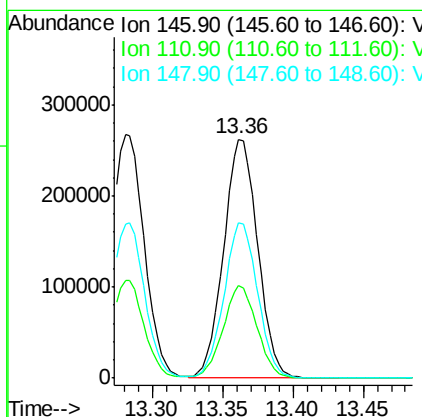
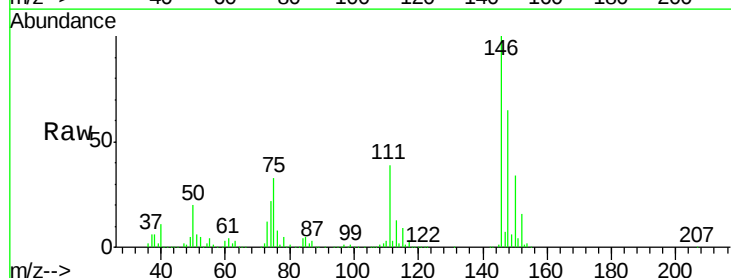
Manual Integrations
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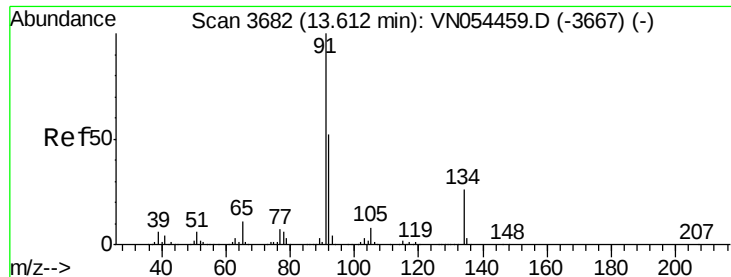
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#88
 1,4-Dichlorobenzene
 Concen: 50.418 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	440855		
111	38.5	18.1	54.1	
148	64.5	32.0	96.0	





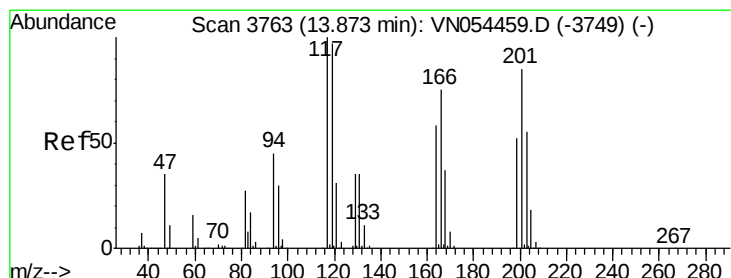
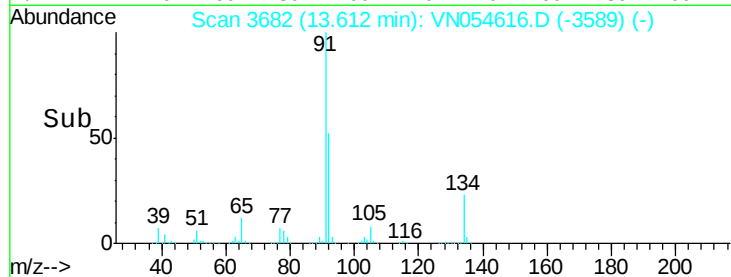
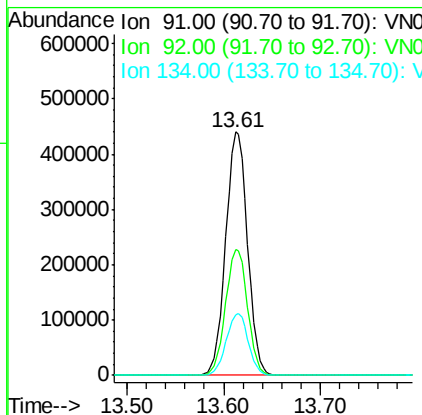
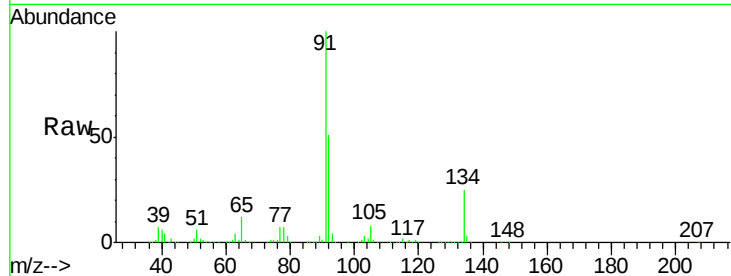
#89
n-Butylbenzene
Concen: 50.644 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	25.6	14.3	42.9

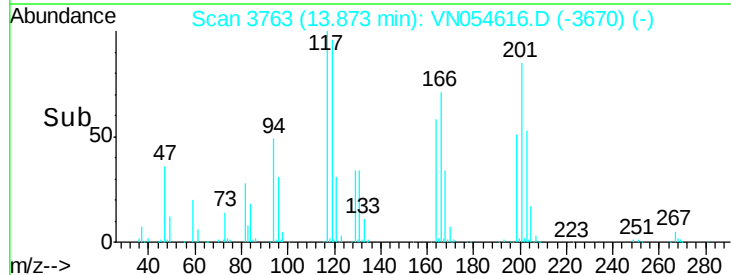
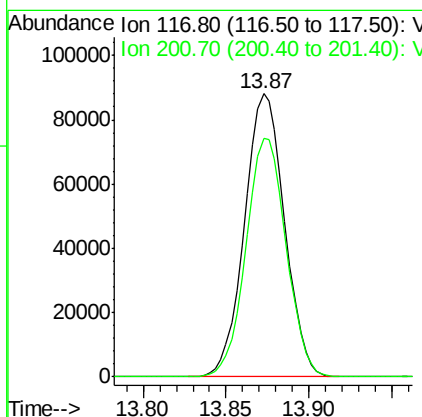
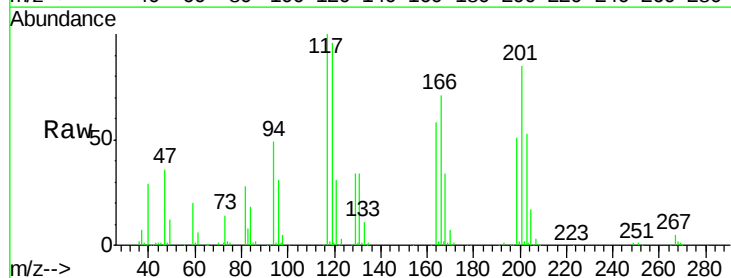
Manual Integrations
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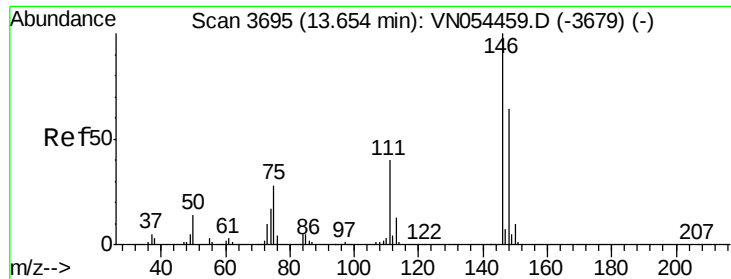
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3/25/2019 10:07:33 AM



#90
Hexachloroethane
Concen: 54.598 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	48.1	144.4





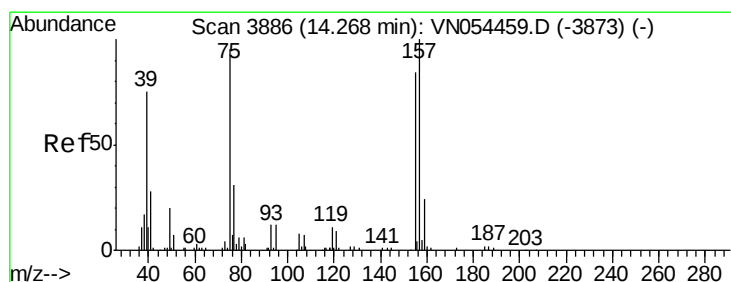
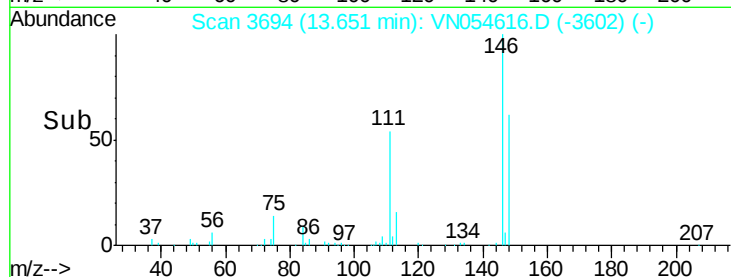
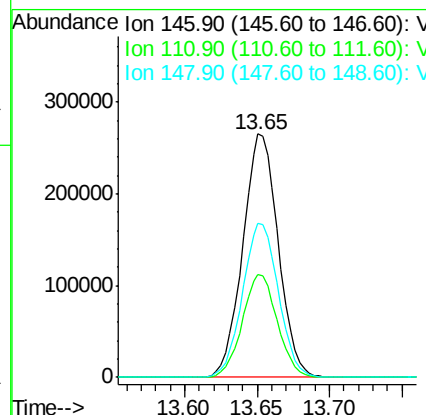
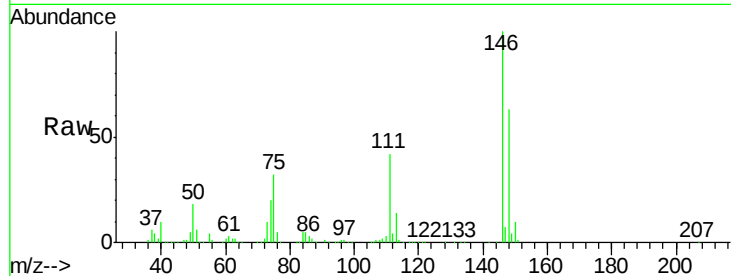
#91
 1,2-Dichlorobenzene
 Concen: 51.704 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.1	57.3
148	64.0	32.4	97.0

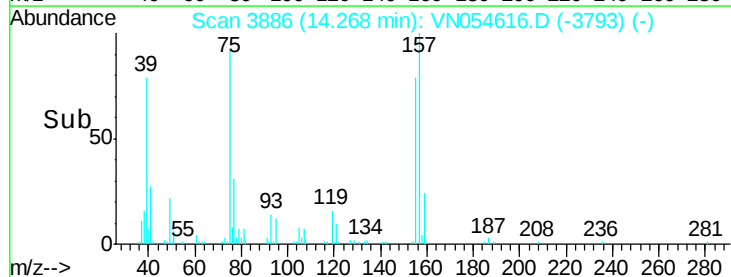
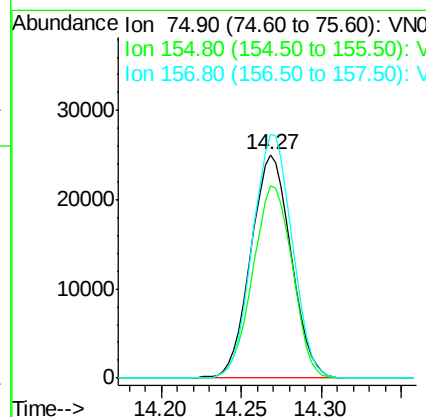
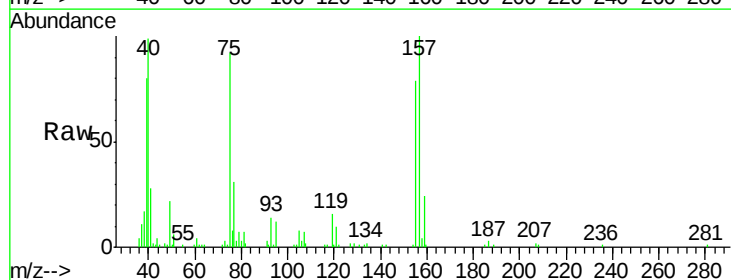
Manual Integrations
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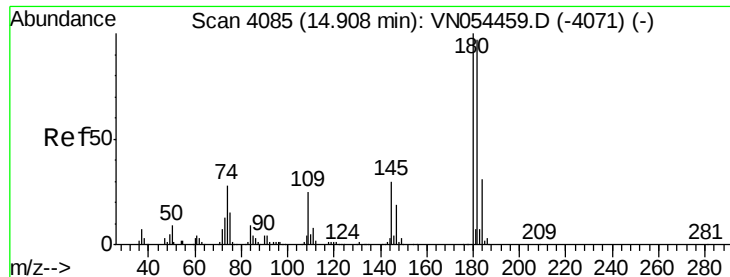
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.903 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	50.1	150.3
157	107.1	63.1	189.3





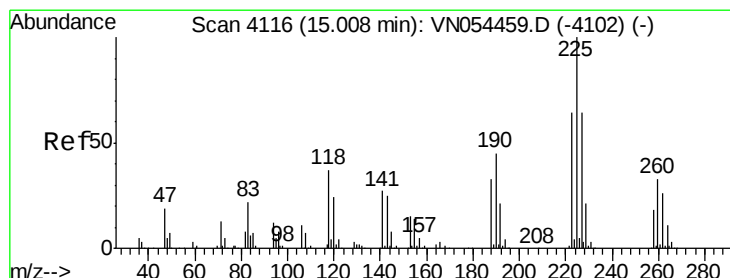
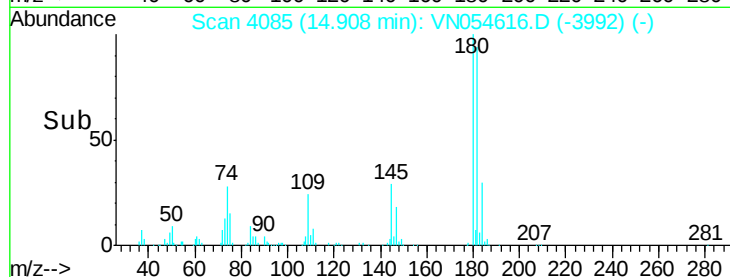
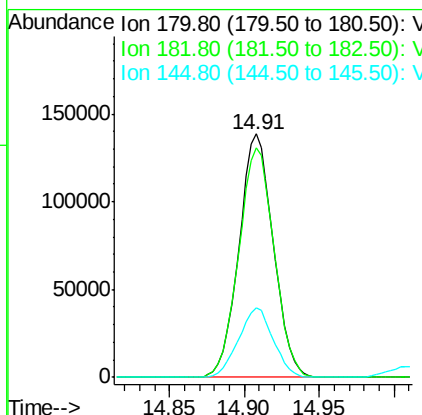
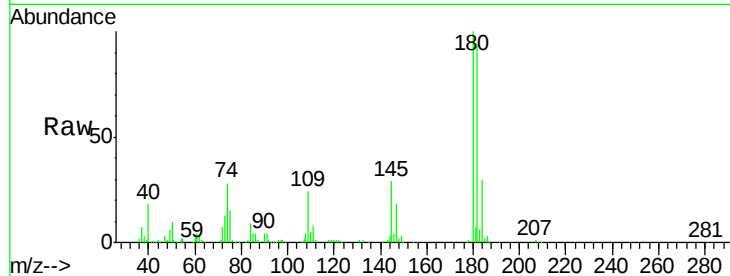
#93
 1,2,4-Trichlorobenzene
 Concen: 51.026 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	221417		
182	96.6	48.0	144.2	
145	28.9	14.2	42.8	

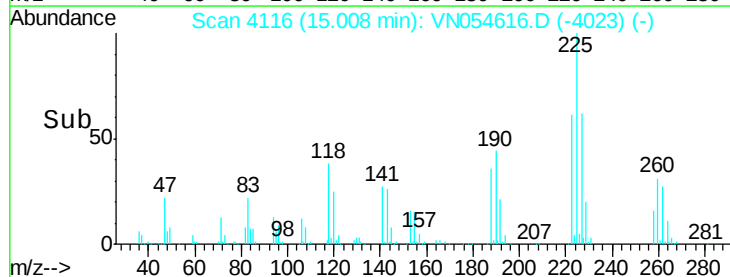
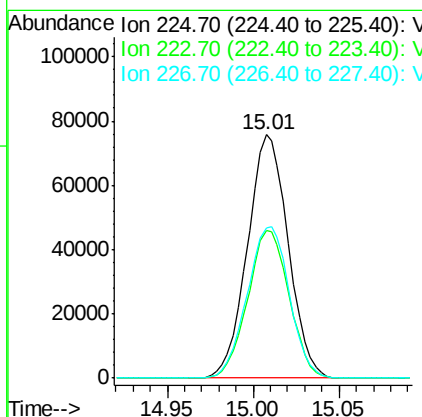
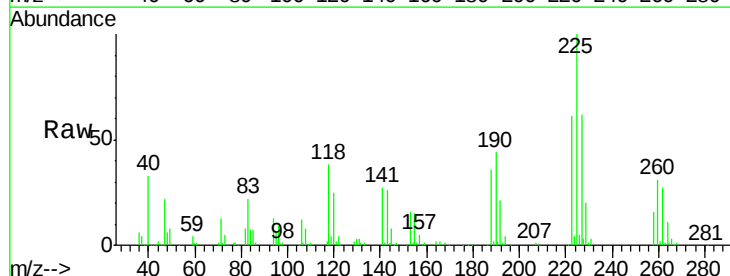
Manual Integrations
 APPROVED

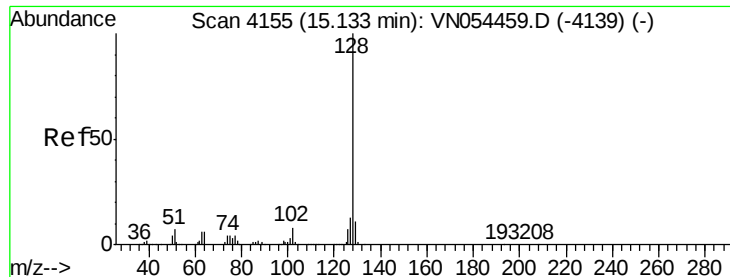
MMDadoda
 3/25/2019 10:07:33 AM



#94
 Hexachlorobutadiene
 Concen: 50.928 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124051		
223	61.5	31.1	93.5	
227	64.2	31.9	95.9	





#95

Naphthalene

Concen: 53.862 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

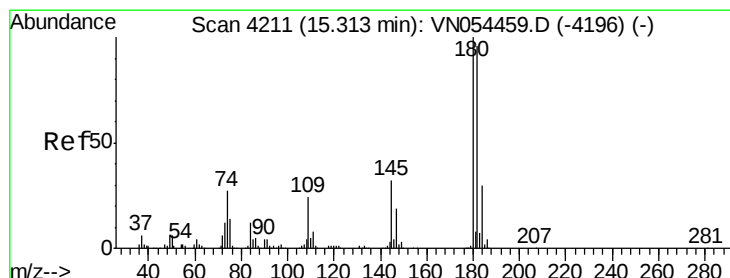
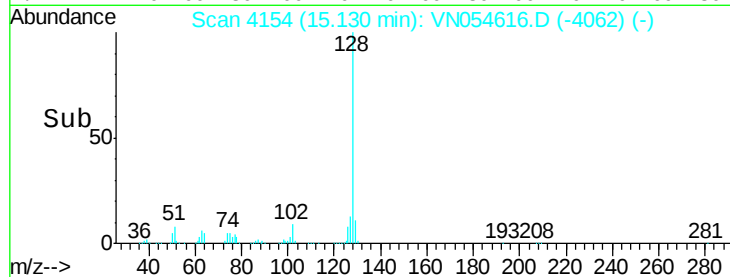
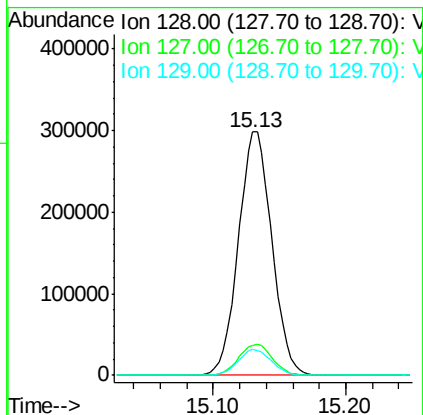
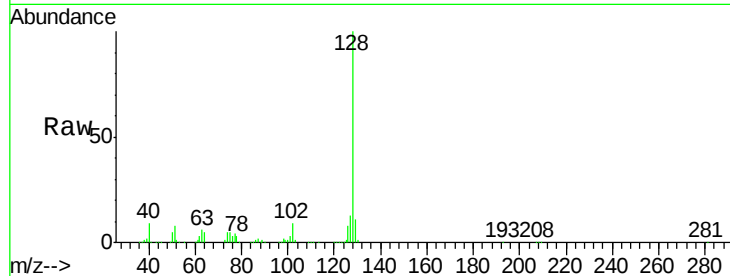
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	521328
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.6	8.7	13.1

Manual Integrations
APPROVED

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3/25/2019 10:07:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.760 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Tgt Ion:	180	Resp:	223543
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	30.9	14.8	44.3

