

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062303.D
 Acq On : 26 Apr 2019 12:57
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 27 00:34:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	413688	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.80	114	566893	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	432941	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	230812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	177230	52.89	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	105.78%	
35) Dibromofluoromethane	4.33	113	211633	50.35	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	100.70%	
50) Toluene-d8	7.74	98	473239	46.09	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	92.18%	
62) 4-Bromofluorobenzene	11.51	95	191809	45.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	246475	50.136	ug/l	98
3) Chloromethane	1.15	50	187644	45.308	ug/l	96
4) Vinyl Chloride	1.20	62	183463	46.773	ug/l	100
5) Bromomethane	1.40	94	136481	51.237	ug/l	96
6) Chloroethane	1.46	64	95186	55.358	ug/l	100
7) Trichlorofluoromethane	1.57	101	337011	54.070	ug/l	95
8) Diethyl Ether	1.72	74	56178	49.752	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.93	101	202996	51.897	ug/l	97
10) Methyl Iodide	2.01	142	290676	42.514	ug/l	97
11) Tert butyl alcohol	2.72	59	56577	279.115	ug/l	100
12) 1,1-Dichloroethene	1.89	96	180554	51.734	ug/l	98
13) Acrolein	2.11	56	55311	289.692	ug/l	98
14) Allyl chloride	2.22	41	182581	48.070	ug/l #	63
15) Acrylonitrile	3.10	53	143313	255.269	ug/l	93
16) Acetone	2.36	43	232329	309.665	ug/l	96
17) Carbon Disulfide	1.93	76	444013	48.340	ug/l	99
18) Methyl Acetate	2.48	43	76152	54.877	ug/l	97
19) Methyl tert-butyl Ether	2.57	73	355651	53.453	ug/l	100
20) Methylene Chloride	2.36	84	114587	34.093	ug/l	98
21) trans-1,2-Dichloroethene	2.44	96	169950	49.274	ug/l	95
22) Diisopropyl ether	2.95	45	512140	50.086	ug/l	95
23) Vinyl Acetate	3.37	43	1141504	251.749	ug/l	98
24) 1,1-Dichloroethane	3.03	63	300200	51.438	ug/l	99
25) 2-Butanone	4.55	43	295331	248.256	ug/l	98
26) 2,2-Dichloropropane	3.80	77	162355	53.570	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	209248	47.907	ug/l	96
28) Bromochloromethane	3.93	49	109911	44.691	ug/l #	97
29) Tetrahydrofuran	4.30	42	124129	237.470	ug/l	98
30) Chloroform	4.08	83	375781	51.277	ug/l	99
31) Cyclohexane	3.90	56	262520	47.273	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	253042	43.979	ug/l #	85
36) 1,1-Dichloropropene	4.50	75	271717	51.953	ug/l	99
37) Ethyl Acetate	4.33	43	109035	49.555	ug/l	94
38) Carbon Tetrachloride	4.22	117	262551	49.381	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	315652	51.701	ug/l	99
40) Benzene	4.85	78	636380	50.362	ug/l	99
41) Methacrylonitrile	4.96	41	66379	54.304	ug/l	95
42) 1,2-Dichloroethane	5.15	62	233730	58.386	ug/l	98
43) Isopropyl Acetate	7.13	43	111102	49.273	ug/l #	99
44) Trichloroethene	5.71	130	218008	50.994	ug/l	97
45) 1,2-Dichloropropane	6.43	63	148218	52.024	ug/l	97
46) Dibromomethane	6.29	93	120659	58.652	ug/l	99
47) Bromodichloromethane	6.58	83	277783	57.438	ug/l	96
48) Methyl methacrylate	6.90	41	81808	50.749	ug/l	93
49) 1,4-Dioxane	6.90	88	18942	1020.456	ug/l	95
51) 4-Methyl-2-Pentanone	8.43	43	410596	236.840	ug/l	100
52) Toluene	7.80	92	339029	46.497	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	184693	51.935	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	228953	50.255	ug/l	93
55) 1,1,2-Trichloroethane	8.66	97	105330	50.863	ug/l	94
56) Ethyl methacrylate	8.78	69	102594	45.096	ug/l	96
57) 1,3-Dichloropropane	9.02	76	171353	52.627	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	155302	224.336	ug/l	98
59) 2-Hexanone	9.65	43	279593	265.062	ug/l	99
60) Dibromochloromethane	8.88	129	175656	52.263	ug/l	97
61) 1,2-Dibromoethane	9.15	107	125367	52.307	ug/l	95
64) Tetrachloroethene	8.33	164	179802	49.652	ug/l	97
65) Chlorobenzene	9.95	112	410549	51.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	204537	54.887	ug/l	100
67) Ethyl Benzene	10.05	91	721805	52.479	ug/l	99
68) m/p-Xylenes	10.28	106	534089	104.298	ug/l	99
69) o-Xylene	10.84	106	276687	48.363	ug/l	97
70) Styrene	10.91	104	386039	46.677	ug/l	99
71) Bromoform	10.90	173	104227	49.688	ug/l #	100
73) Isopropylbenzene	11.23	105	834891	52.795	ug/l	97
74) N-amyl acetate	11.46	43	153929	42.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	128840	51.281	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	91867	51.536	ug/l #	100
77) Bromobenzene	11.60	156	206746	52.296	ug/l	97
78) n-propylbenzene	11.69	91	827013	49.701	ug/l	100
79) 2-Chlorotoluene	11.82	91	522171	52.098	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	716744	53.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	52827	66.299	ug/l #	68
82) 4-Chlorotoluene	11.98	91	502068	50.624	ug/l	97
83) tert-Butylbenzene	12.21	119	740056	54.016	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	665977	51.507	ug/l	99
85) sec-Butylbenzene	12.39	105	916504	53.708	ug/l	99
86) p-Isopropyltoluene	12.54	119	806621	52.723	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	348497	49.827	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	351442	52.996	ug/l	99
89) n-Butylbenzene	12.91	91	711928	51.213	ug/l	99
90) Hexachloroethane	12.99	117	216283	56.396	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	341940	50.932	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26624	52.529	ug/l	94

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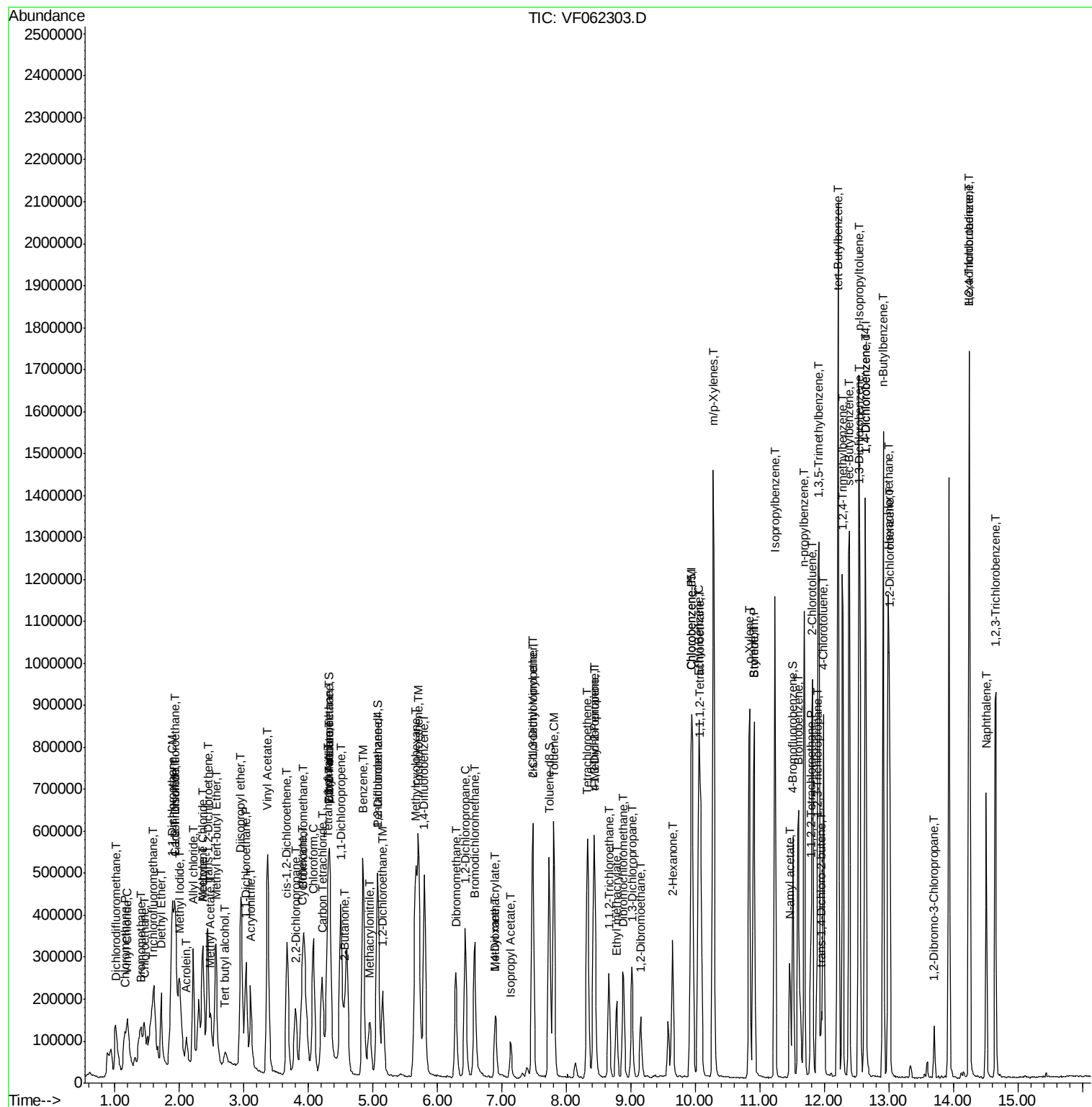
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	308704	52.340	ug/l	99
94) Hexachlorobutadiene	14.24	225	234827	55.361	ug/l	99
95) Naphthalene	14.51	128	474639	51.944	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	306597	54.963	ug/l	99

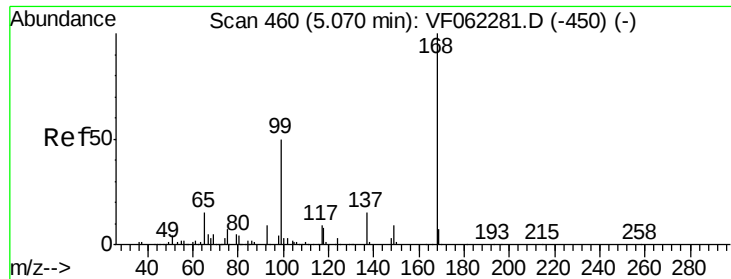
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

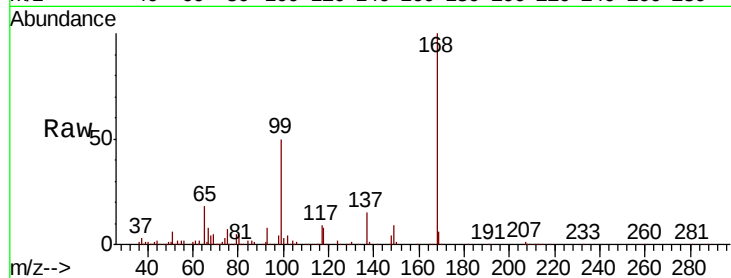
VSTDCCC050

Tot Ion:168 Resp: 413688

Ion Ratio Lower Upper

168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

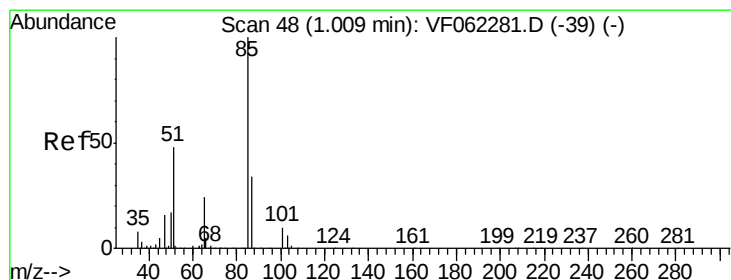
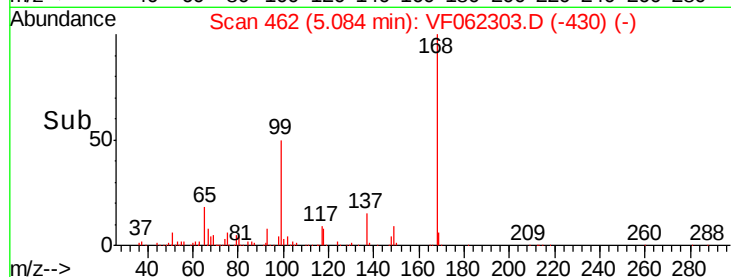
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.136 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062303.D

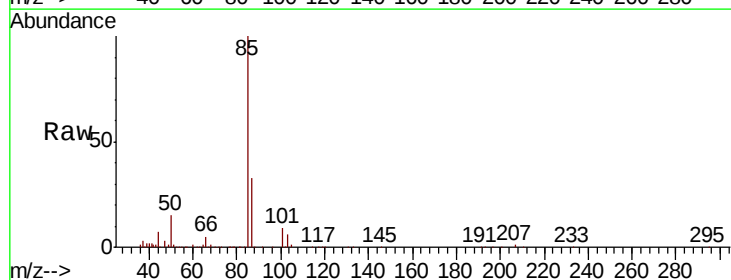
Acq: 26 Apr 2019 12:57

Tgt Ion: 85 Resp: 246475

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

80000

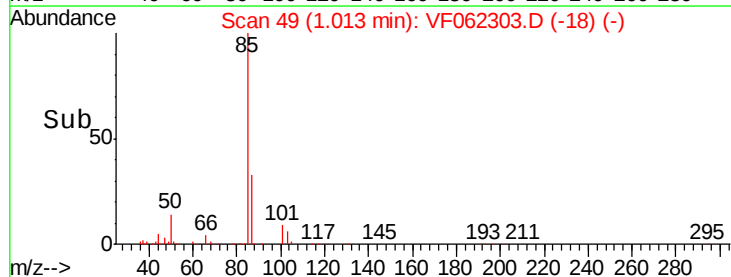
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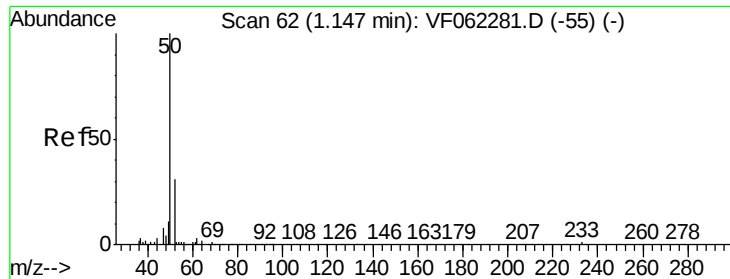
40000

20000

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Time-->





#3

Chloromethane

Concen: 45.308 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

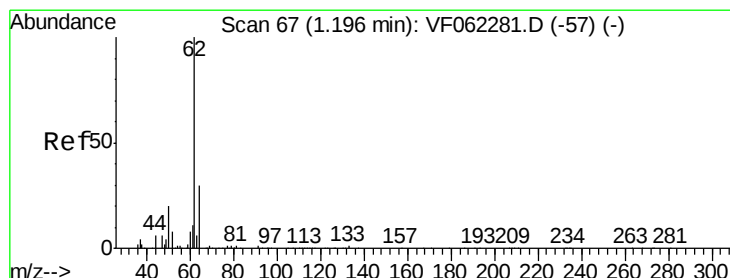
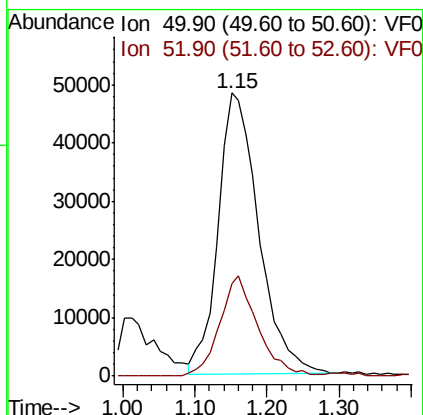
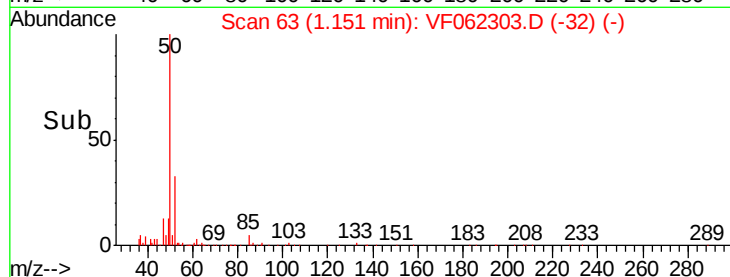
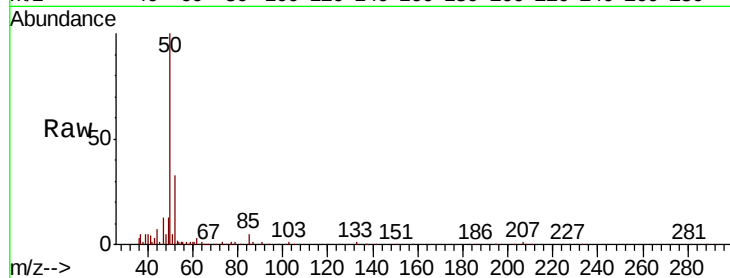
VSTDCCC050

Tot Ion: 50 Resp: 187644

Ion Ratio Lower Upper

50 100

52 32.4 24.2 36.4



#4

Vinyl Chloride

Concen: 46.773 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062303.D

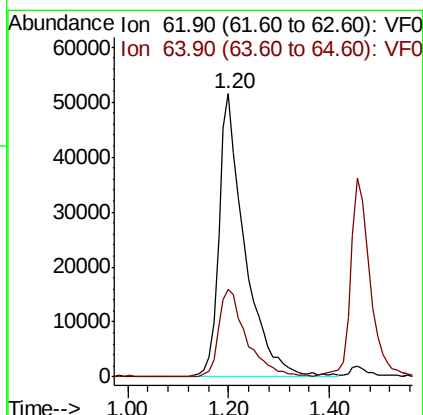
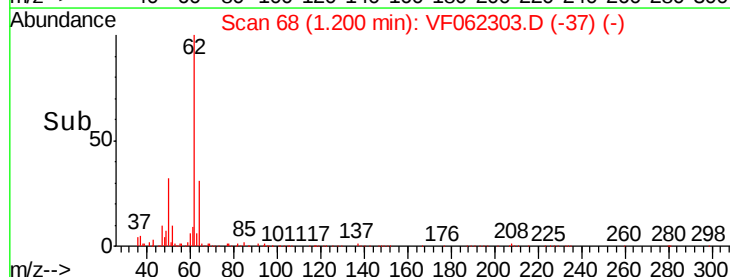
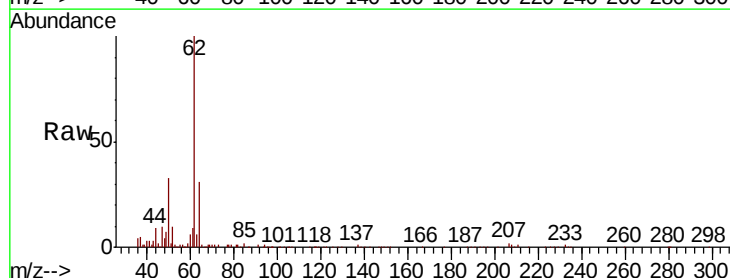
Acq: 26 Apr 2019 12:57

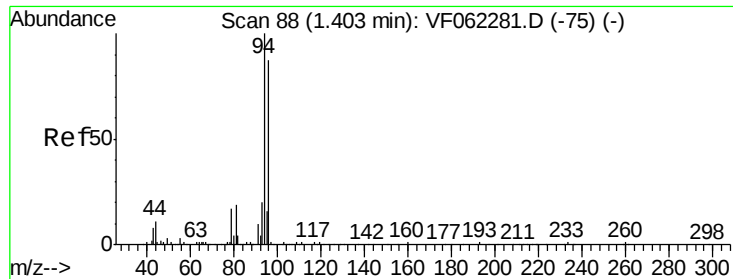
Tgt Ion: 62 Resp: 183463

Ion Ratio Lower Upper

62 100

64 30.5 24.3 36.5





#5

Bromomethane

Concen: 51.237 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

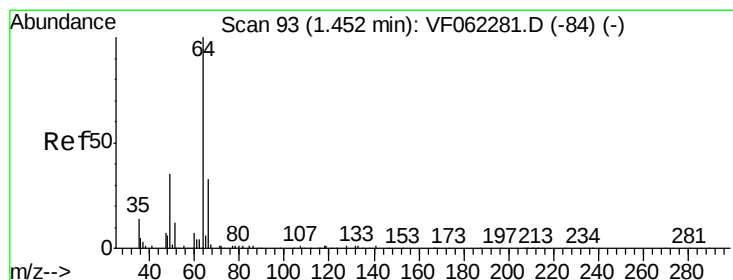
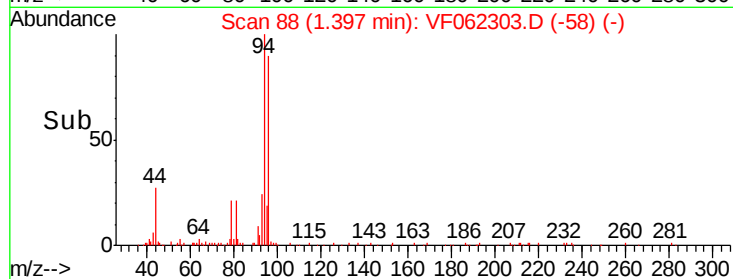
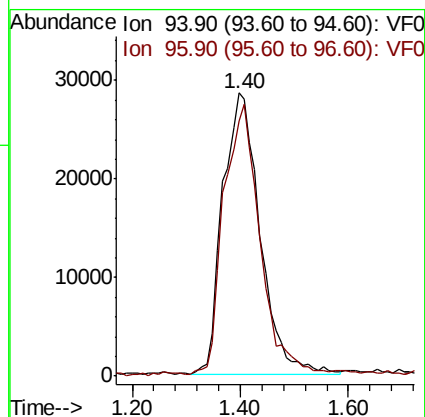
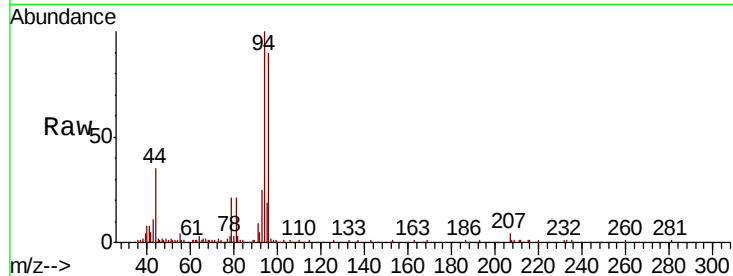
VSTDCCC050

Tot Ion: 94 Resp: 136481

Ion Ratio Lower Upper

94 100

96 90.2 69.5 104.3



#6

Chloroethane

Concen: 55.358 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.00 min

Lab File: VF062303.D

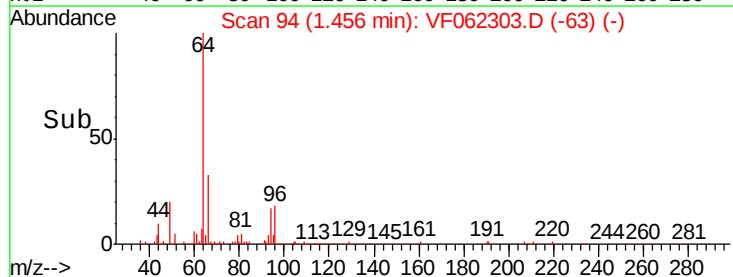
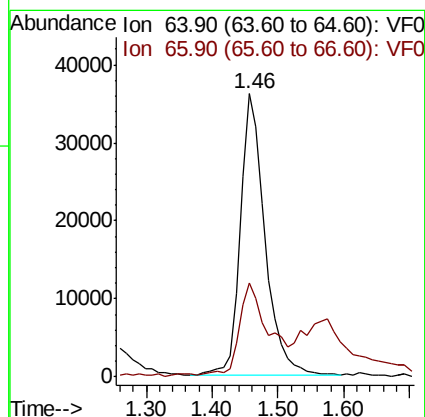
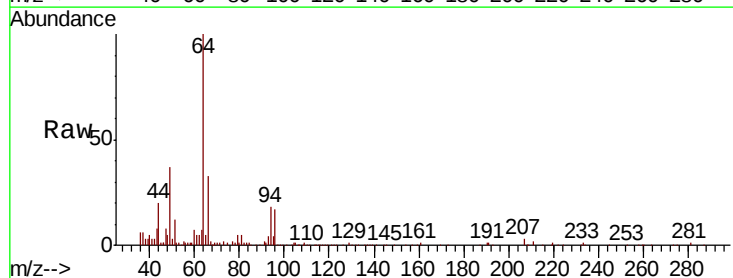
Acq: 26 Apr 2019 12:57

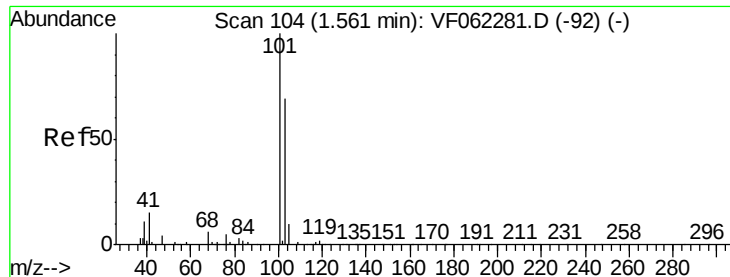
Tgt Ion: 64 Resp: 95186

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



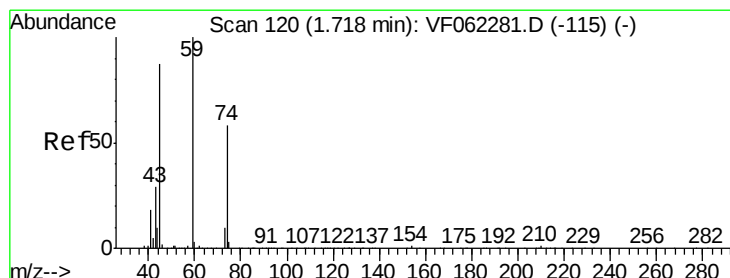
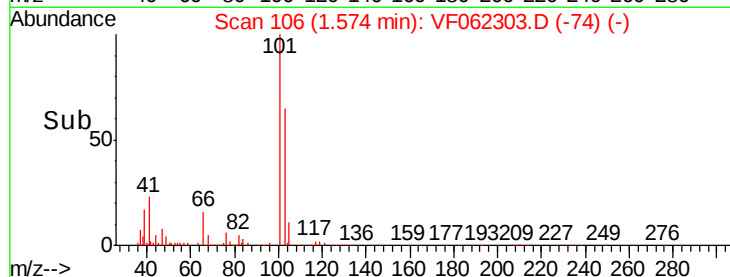
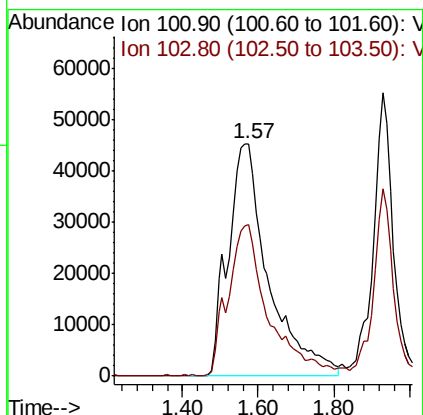
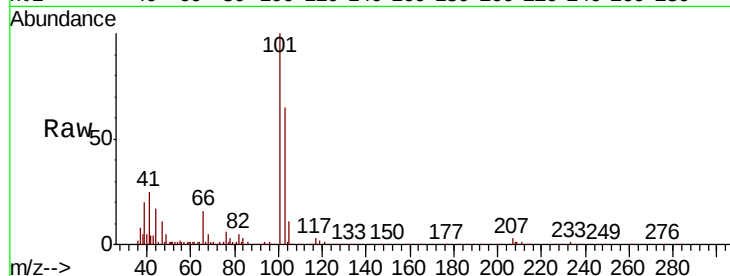


#7

Trichlorofluoromethane
Concen: 54.070 ug/l
RT: 1.57 min Scan# 106
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
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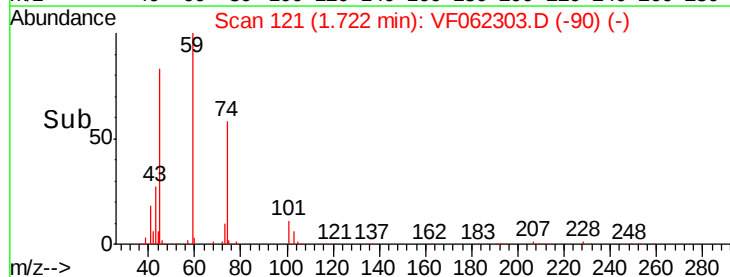
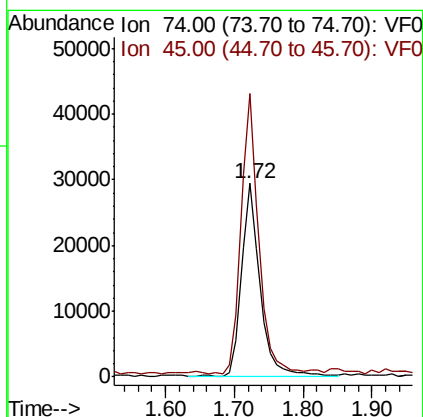
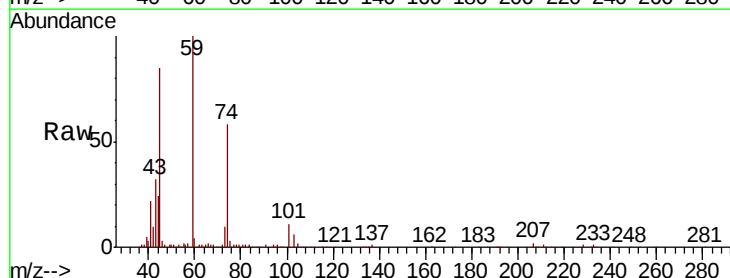
Tot Ion:101 Resp: 337011
Ion Ratio Lower Upper
101 100
103 65.0 55.0 82.6

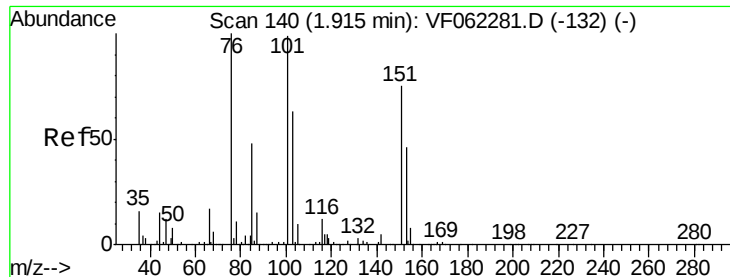


#8

Diethyl Ether
Concen: 49.752 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion: 74 Resp: 56178
Ion Ratio Lower Upper
74 100
45 136.7 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.897 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

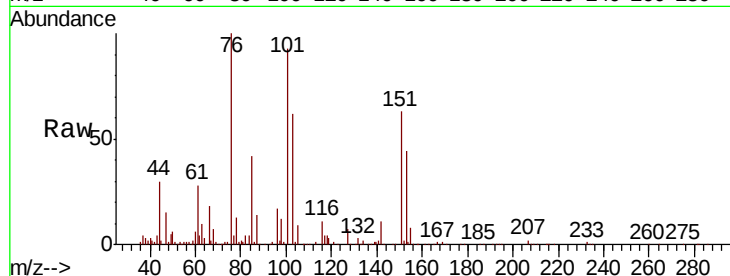
Tot Ion:101 Resp: 202996

Ion Ratio Lower Upper

101 100

85 44.2 36.5 54.7

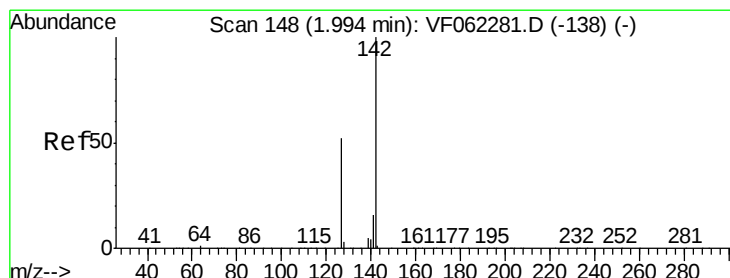
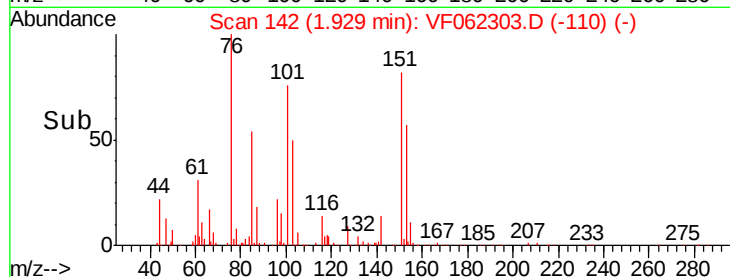
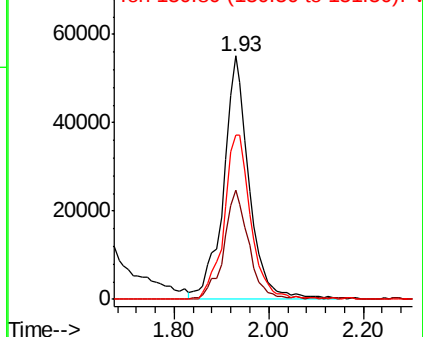
151 71.3 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.514 ug/l

RT: 2.01 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

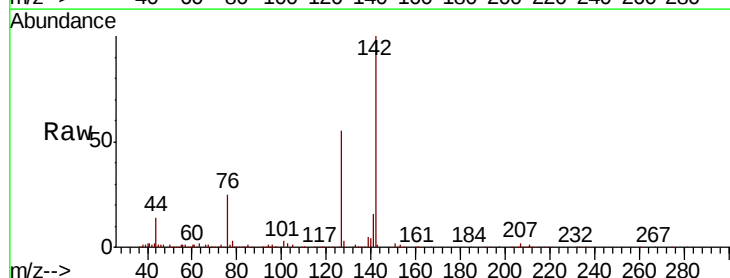
Tgt Ion:142 Resp: 290676

Ion Ratio Lower Upper

142 100

127 56.5 43.0 64.4

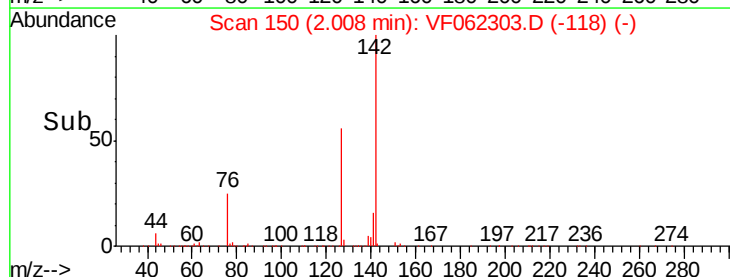
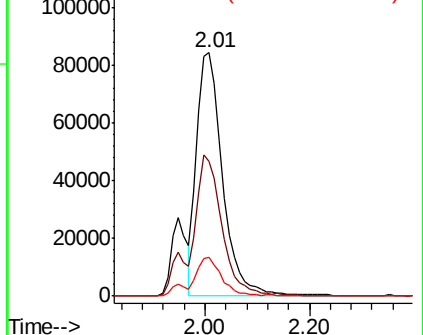
141 14.6 12.3 18.5

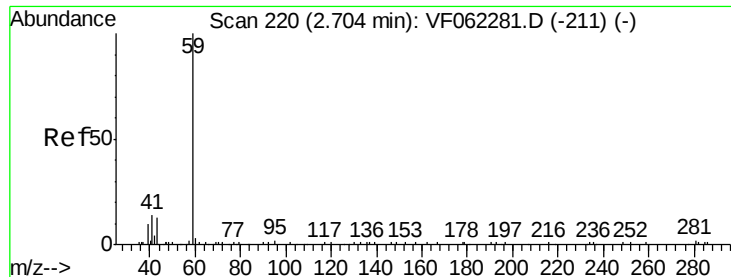


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



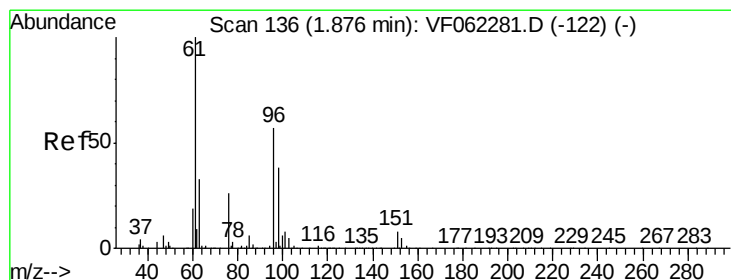
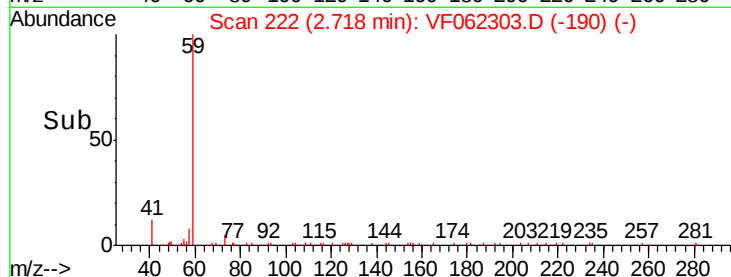
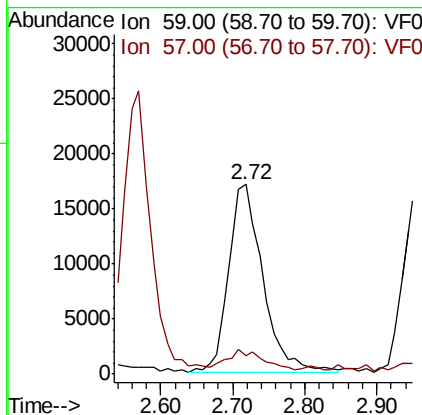
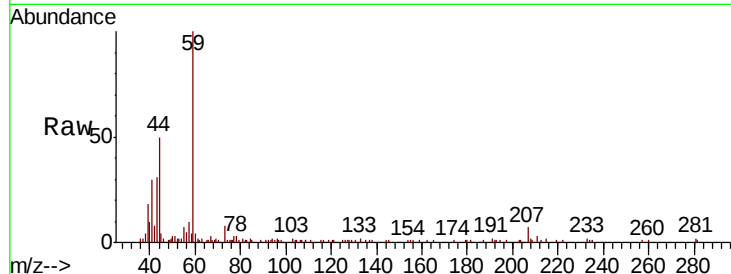


#11

Tert butyl alcohol
 Concen: 279.115 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

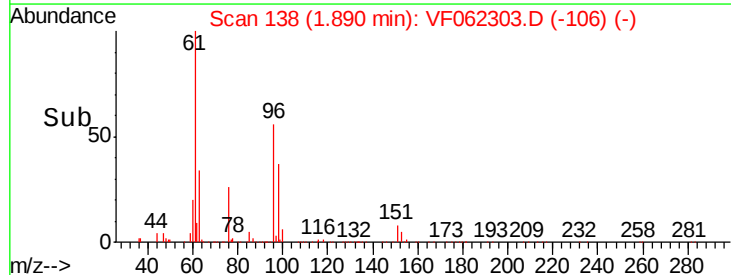
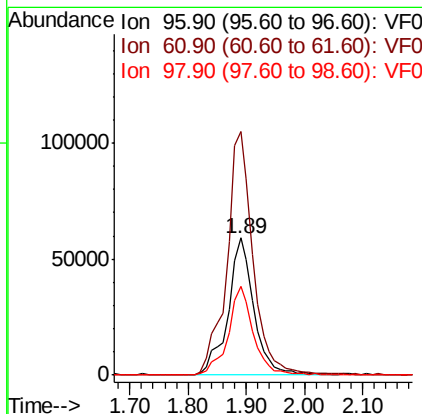
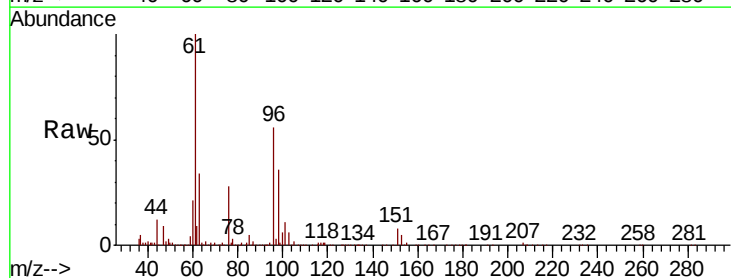
Tot Ion: 59 Resp: 56577
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

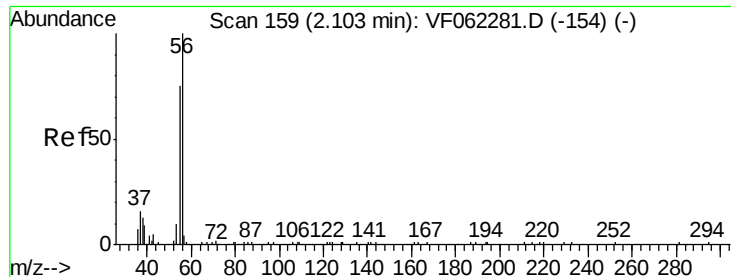


#12

1,1-Dichloroethene
 Concen: 51.734 ug/l
 RT: 1.89 min Scan# 138
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion: 96 Resp: 180554
 Ion Ratio Lower Upper
 96 100
 61 178.1 141.1 211.7
 98 64.8 53.4 80.0





#13

Acrolein

Concen: 289.692 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

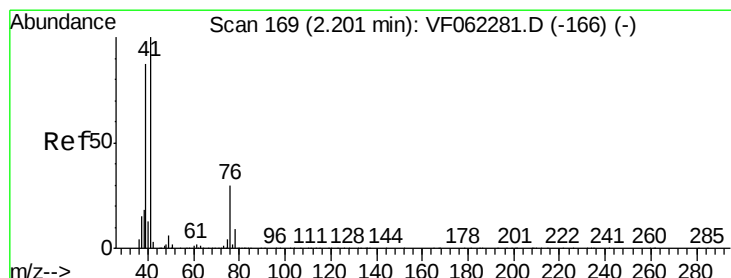
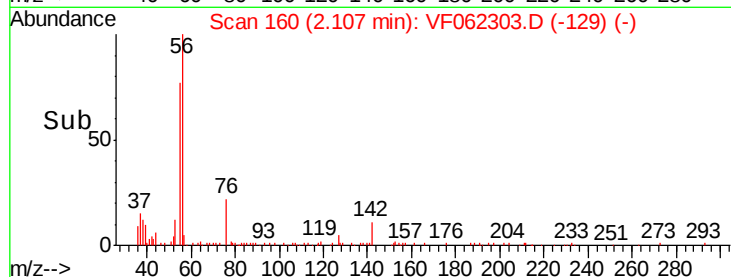
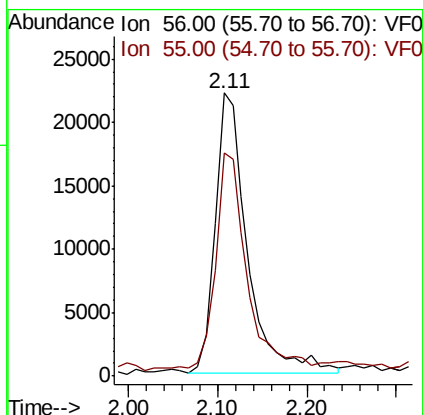
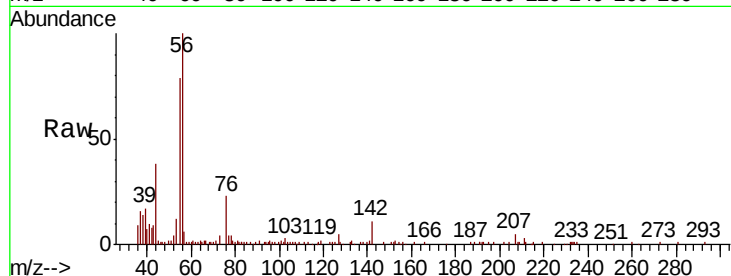
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 55311

Ion Ratio Lower Upper

56 100

55 76.1 62.3 93.5



#14

Allyl chloride

Concen: 48.070 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

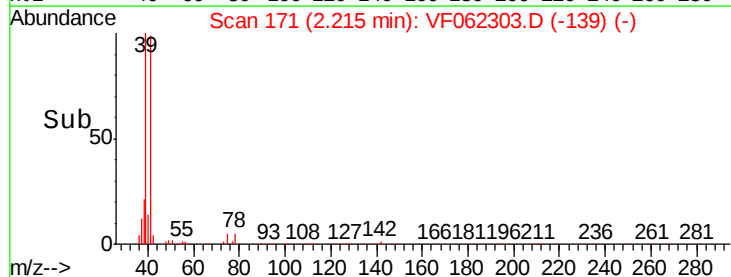
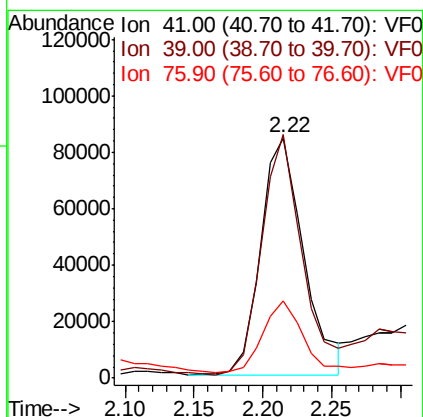
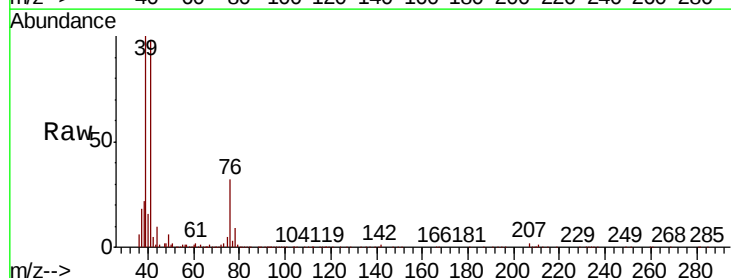
Tgt Ion: 41 Resp: 182581

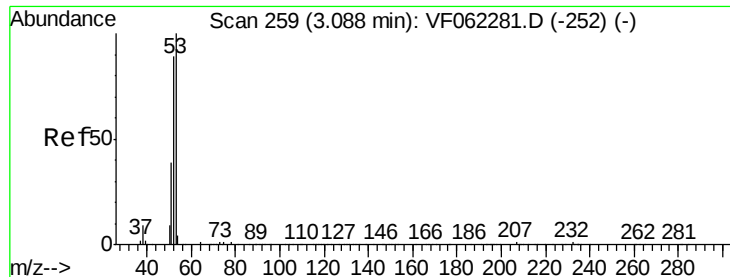
Ion Ratio Lower Upper

41 100

39 95.3 50.3 75.5#

76 27.8 14.8 22.2#





#15

Acrylonitrile

Concen: 255.269 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

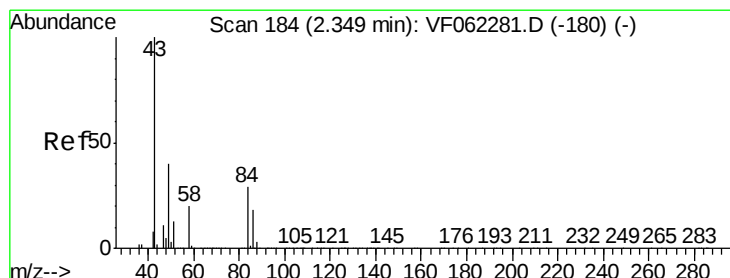
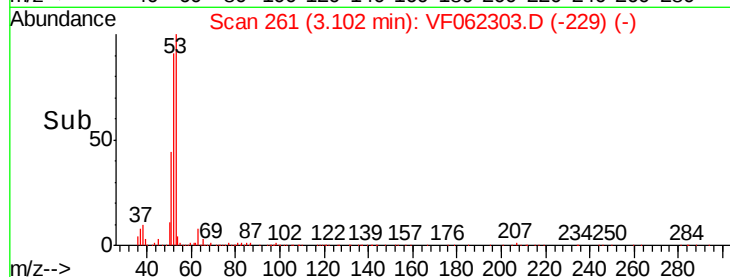
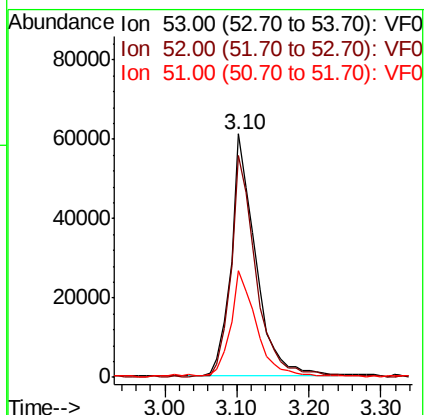
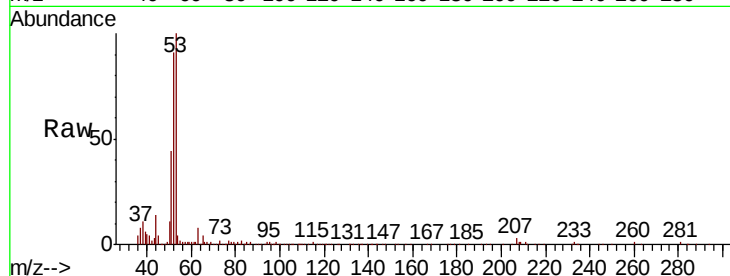
Tot Ion: 53 Resp: 143313

Ion Ratio Lower Upper

53 100

52 95.0 70.6 105.8

51 45.3 32.6 48.8



#16

Acetone

Concen: 309.665 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062303.D

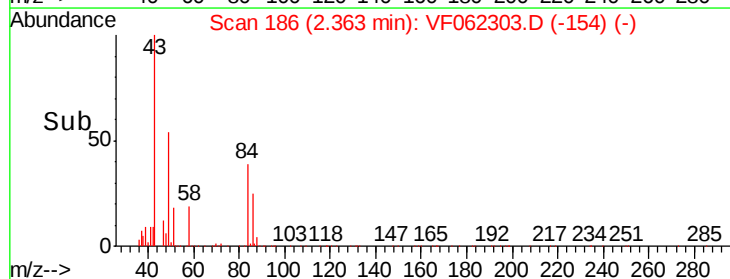
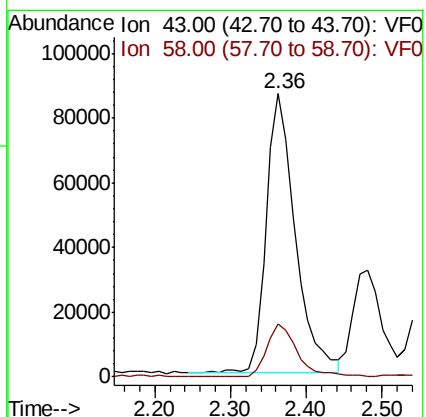
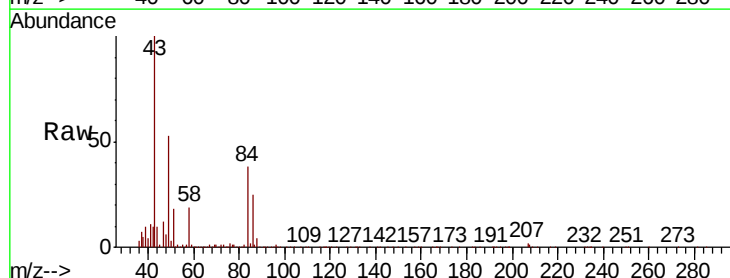
Acq: 26 Apr 2019 12:57

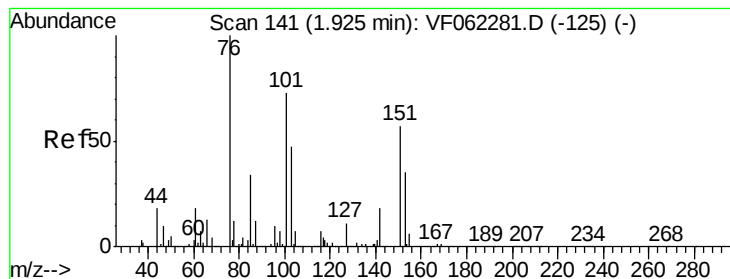
Tgt Ion: 43 Resp: 232329

Ion Ratio Lower Upper

43 100

58 18.8 16.4 24.6





#17

Carbon Disulfide

Concen: 48.340 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

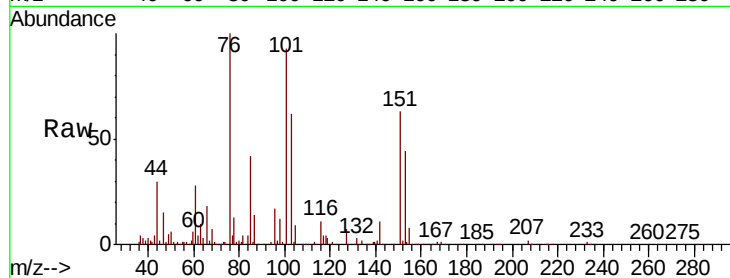
VSTDCCC050

Tot Ion: 76 Resp: 444013

Ion Ratio Lower Upper

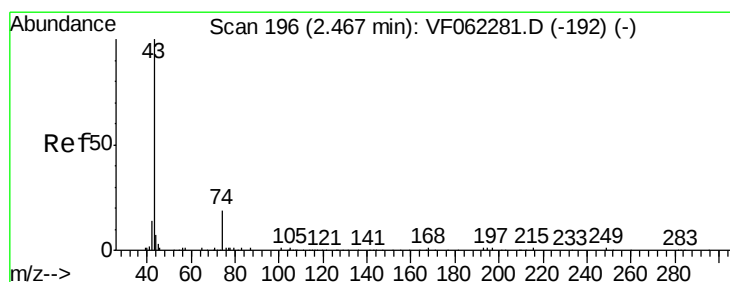
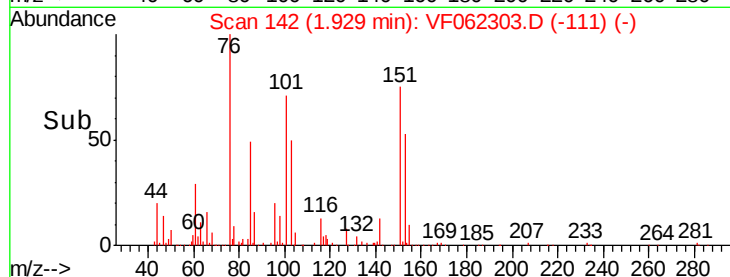
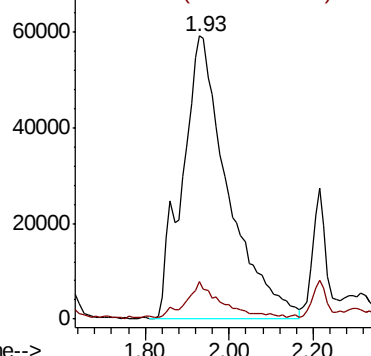
76 100

78 12.6 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 54.877 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF062303.D

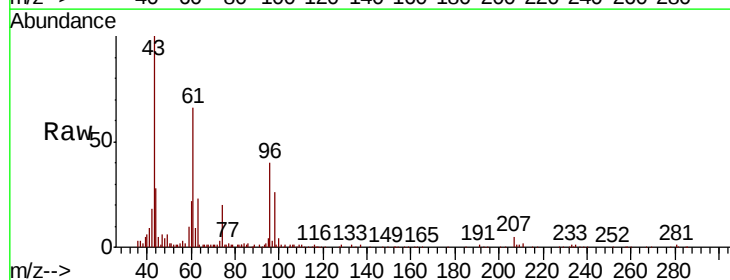
Acq: 26 Apr 2019 12:57

Tgt Ion: 43 Resp: 76152

Ion Ratio Lower Upper

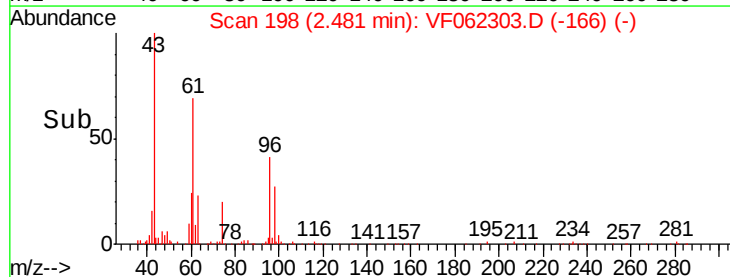
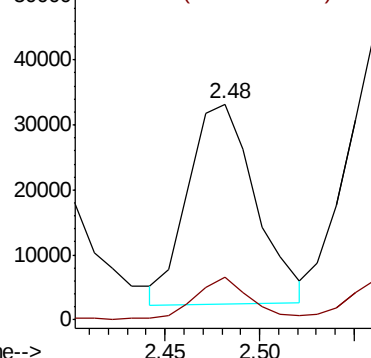
43 100

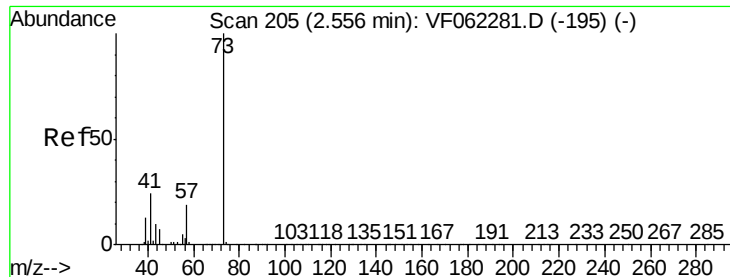
74 16.6 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



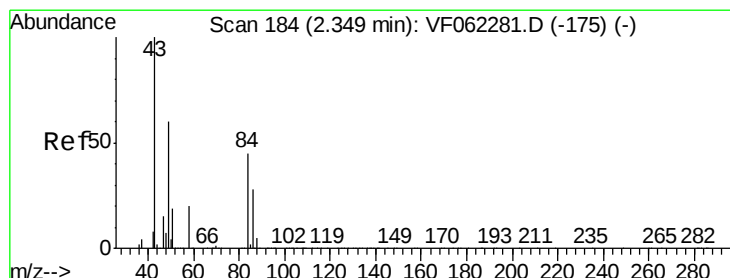
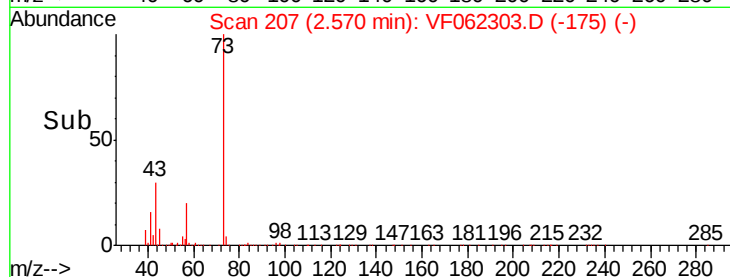
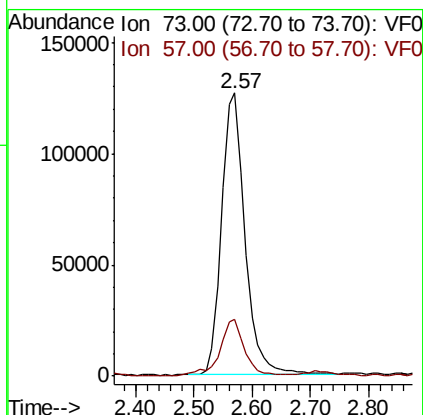
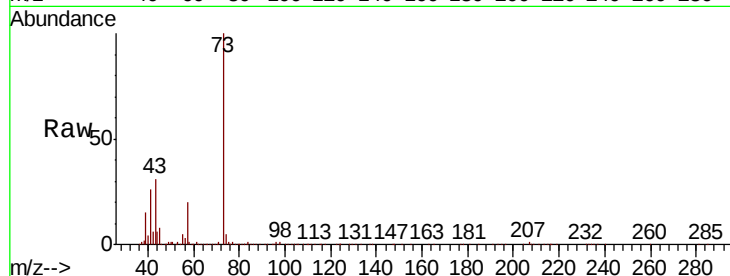


#19

Methyl tert-butyl Ether
 Concen: 53.453 ug/l
 RT: 2.57 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

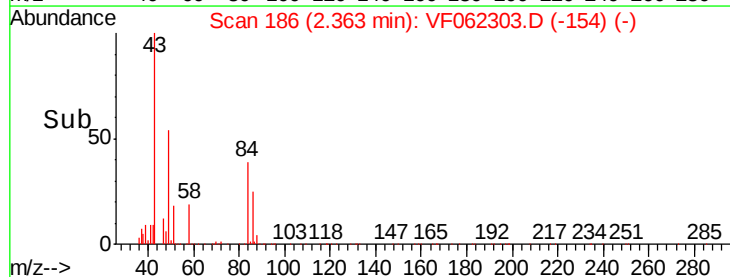
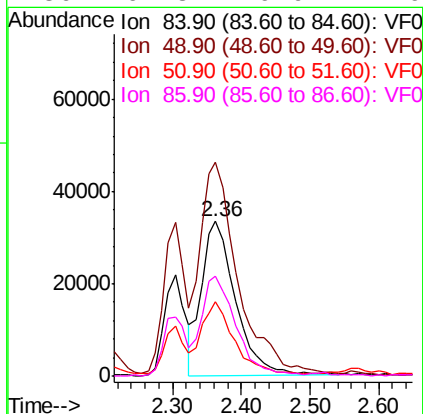
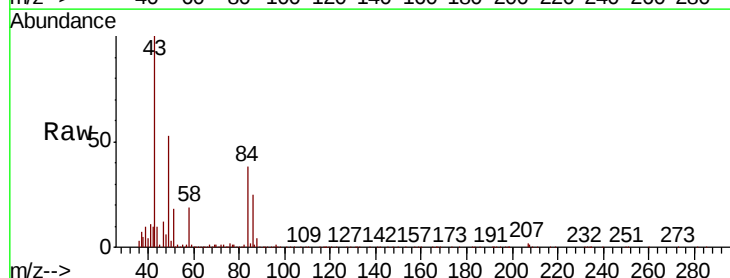
Tot Ion: 73 Resp: 355651
 Ion Ratio Lower Upper
 73 100
 57 19.4 15.5 23.3

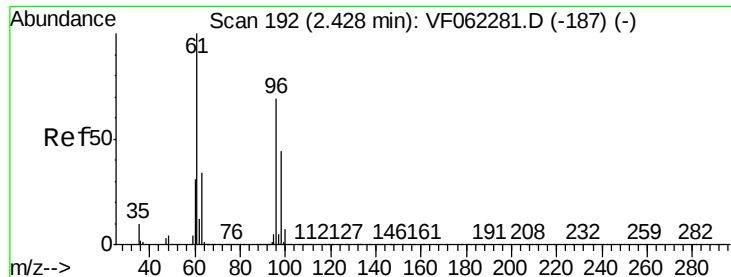


#20

Methylene Chloride
 Concen: 34.093 ug/l
 RT: 2.36 min Scan# 186
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion: 84 Resp: 114587
 Ion Ratio Lower Upper
 84 100
 49 137.6 112.1 168.1
 51 46.3 35.9 53.9
 86 64.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.274 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

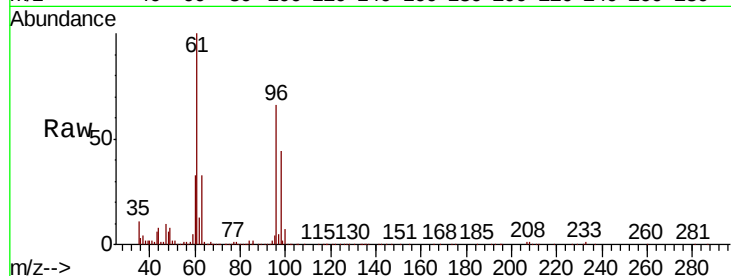
Tot Ion: 96 Resp: 169950

Ion Ratio Lower Upper

96 100

61 152.2 116.2 174.2

98 66.0 51.4 77.0



Abundance

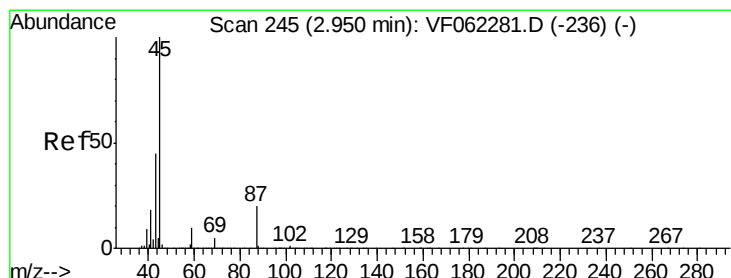
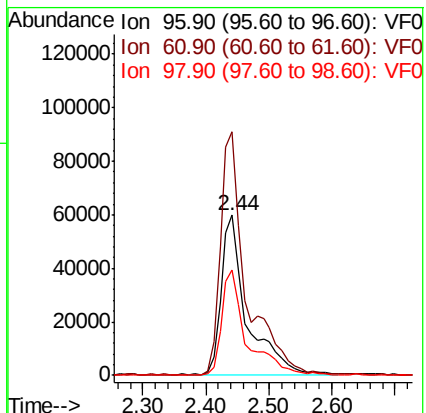
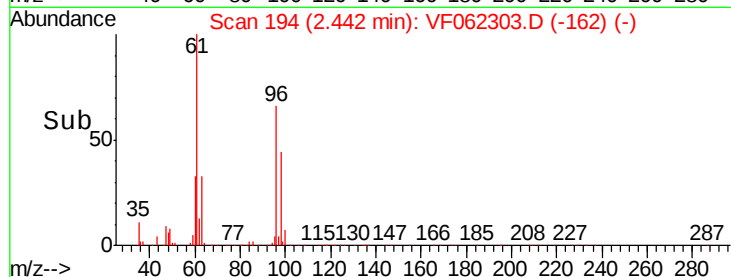
Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Time-->

Chromatogram showing abundance (0 to 120,000) versus time (2.30 to 2.60 minutes). A single peak is labeled at 2.44 minutes.



#22

Diisopropyl ether

Concen: 50.086 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion: 45 Resp: 512140

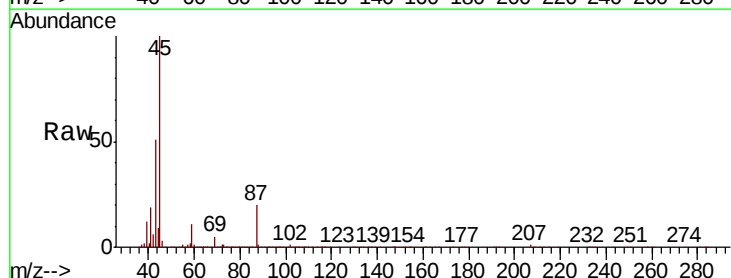
Ion Ratio Lower Upper

45 100

43 50.1 36.2 54.2

87 20.1 15.8 23.6

59 10.8 7.8 11.8



Abundance

Ion 45.00 (44.70 to 45.70): VF0

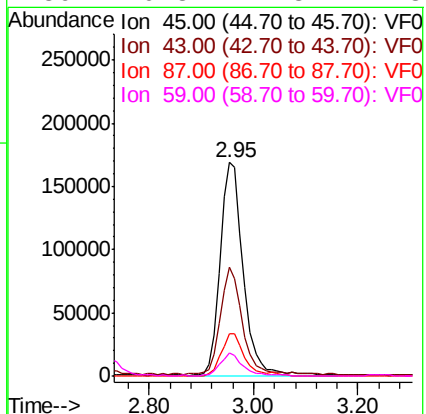
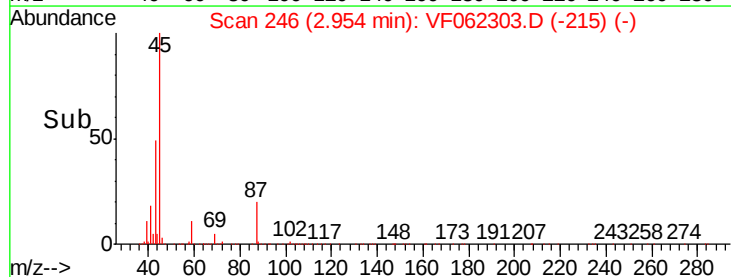
Ion 43.00 (42.70 to 43.70): VF0

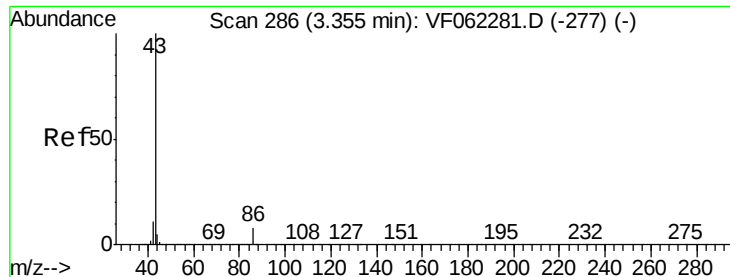
Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

Time-->

Chromatogram showing abundance (0 to 250,000) versus time (2.80 to 3.20 minutes). A single peak is labeled at 2.95 minutes.





#23

Vinyl Acetate

Concen: 251.749 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

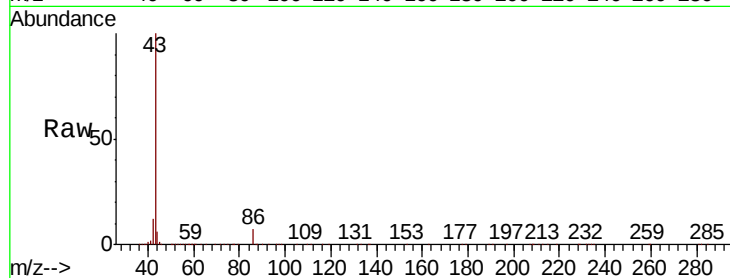
VSTDCCC050

Tot Ion: 43 Resp: 1141504

Ion Ratio Lower Upper

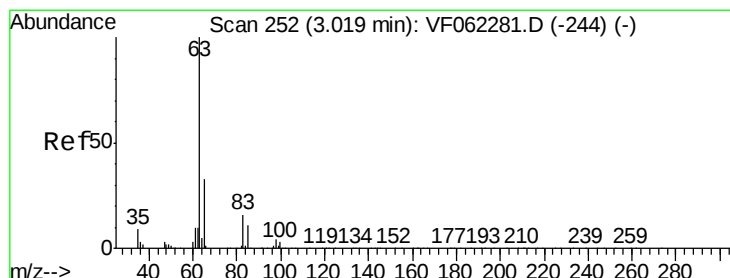
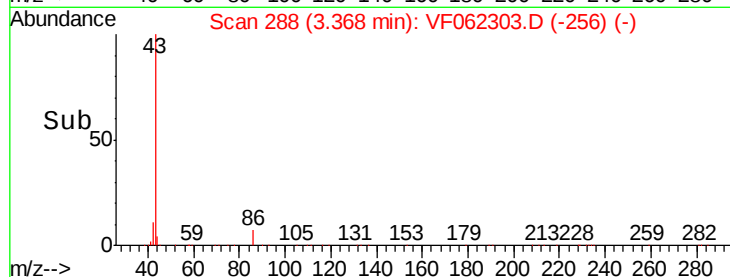
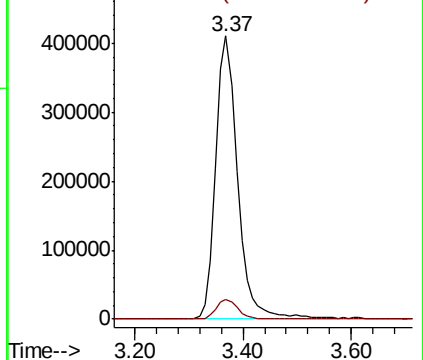
43 100

86 6.8 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.438 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

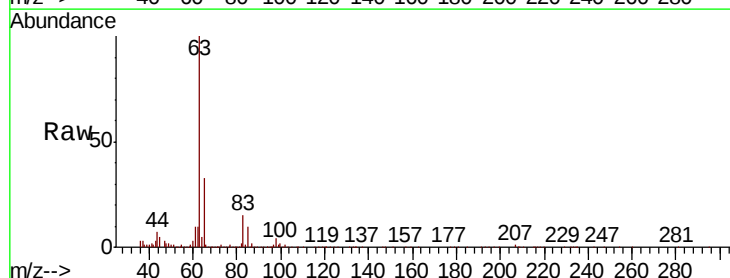
Tgt Ion: 63 Resp: 300200

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.2

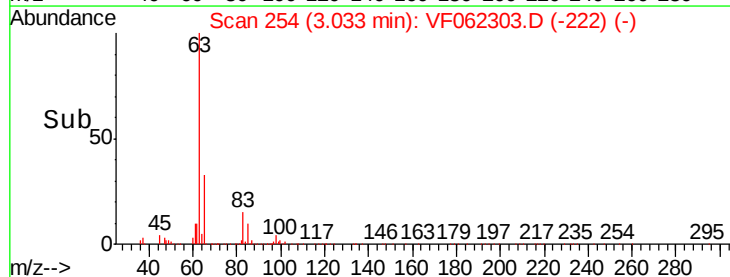
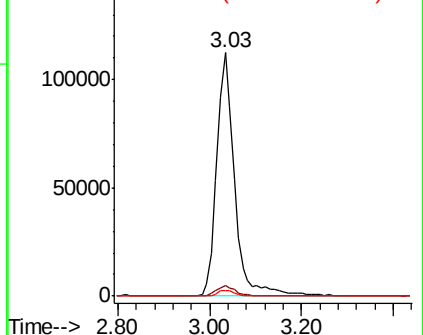
100 2.4 1.5 4.5

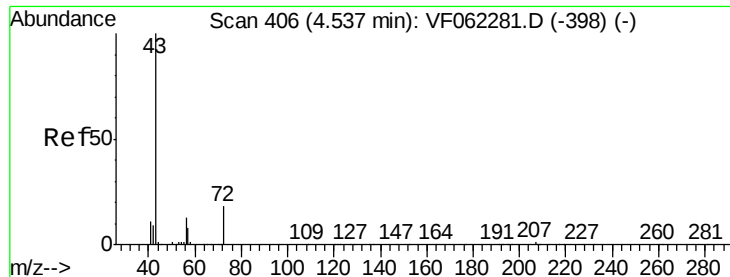


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

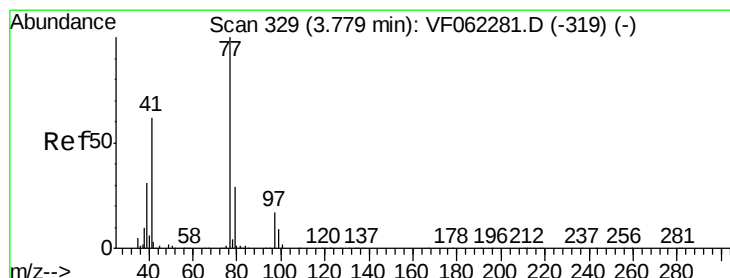
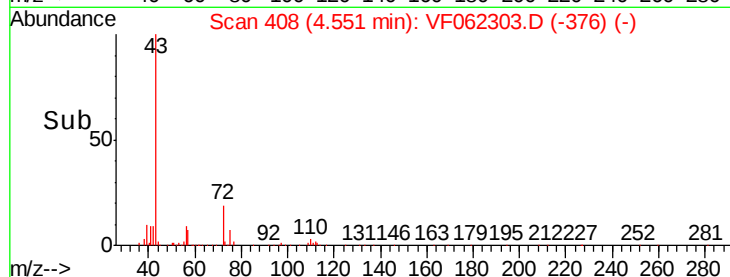
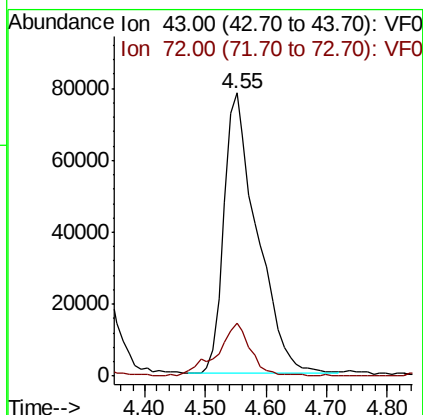
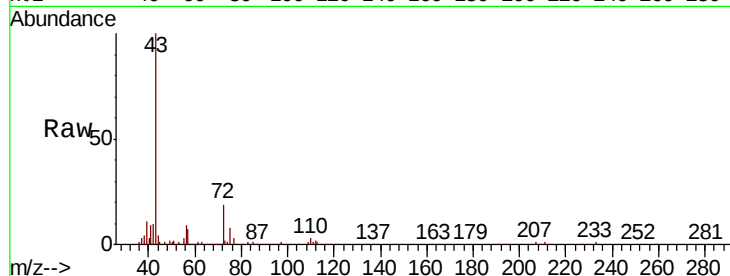




#25
2-Butanone
Concen: 248.256 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

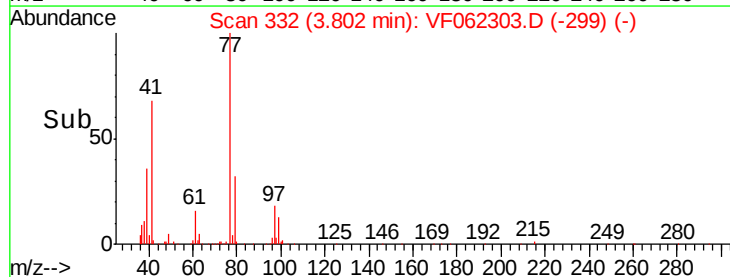
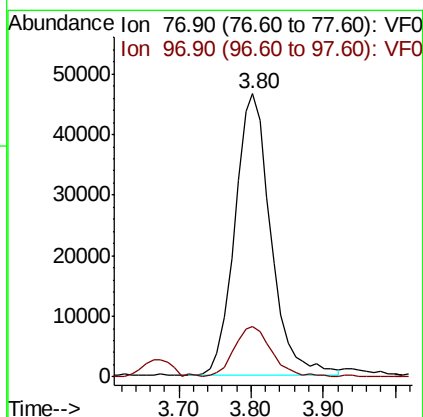
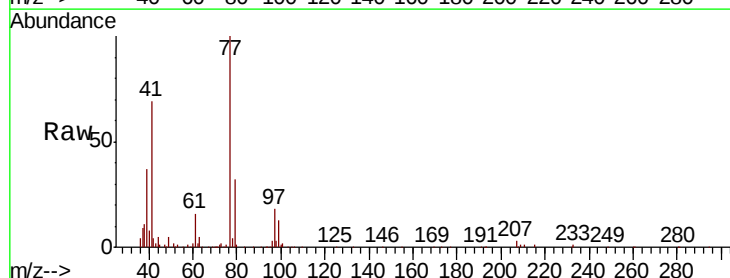
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

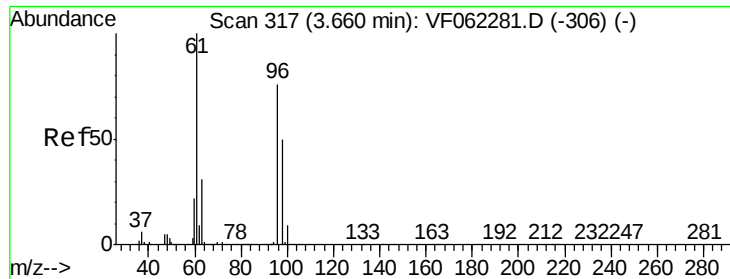
Tot Ion: 43 Resp: 295331
Ion Ratio Lower Upper
43 100
72 18.7 15.8 23.6



#26
2,2-Dichloropropane
Concen: 53.570 ug/l
RT: 3.80 min Scan# 332
Delta R.T. 0.02 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion: 77 Resp: 162355
Ion Ratio Lower Upper
77 100
97 18.6 10.3 30.8



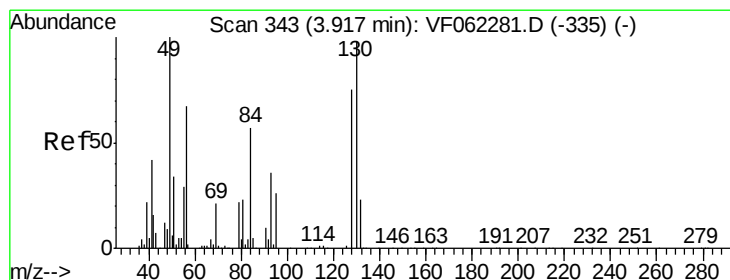
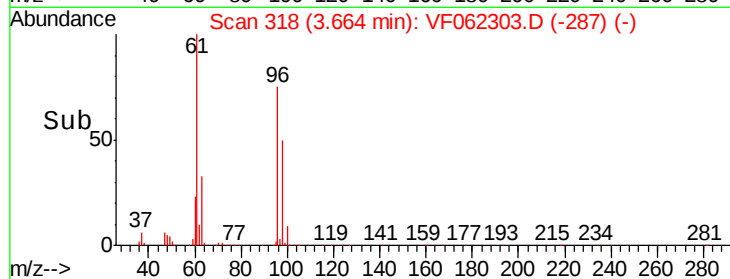
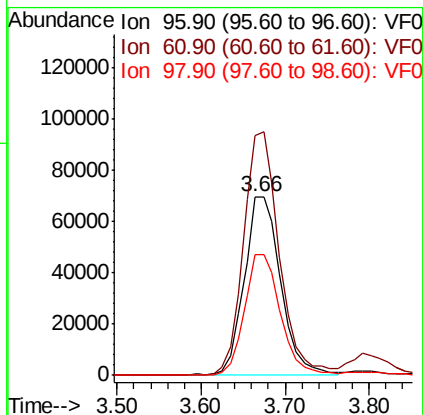
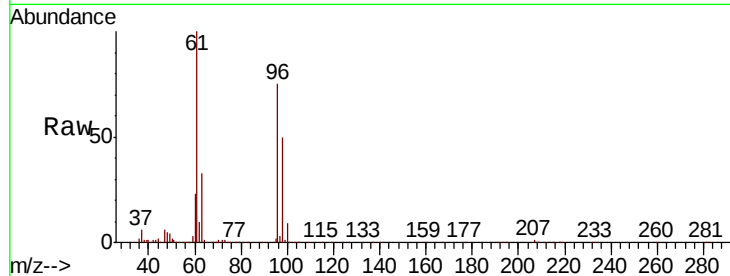


#27

cis-1,2-Dichloroethene
Concen: 47.907 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

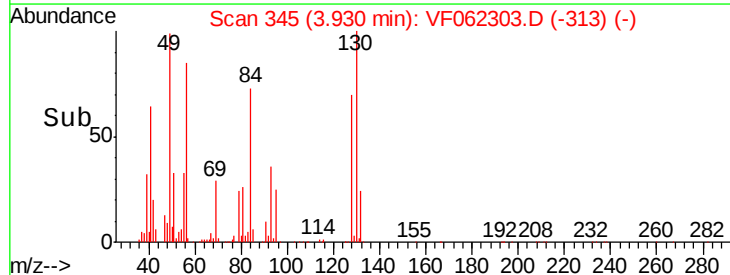
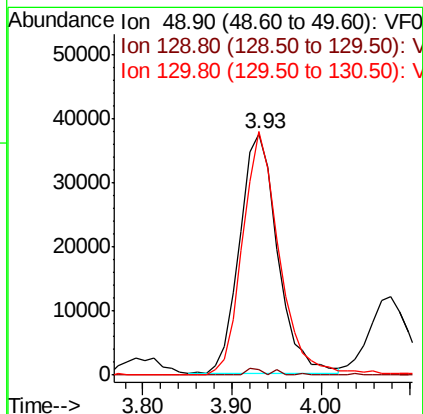
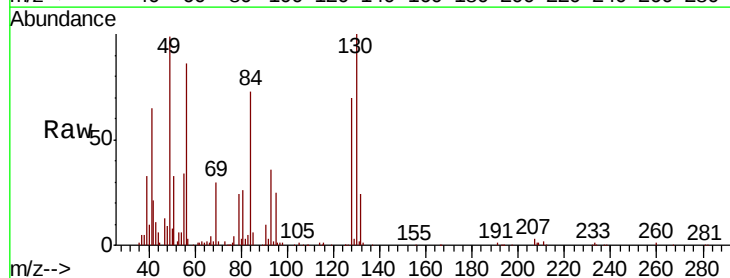
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	257.6
98	67.6	0.0	137.4

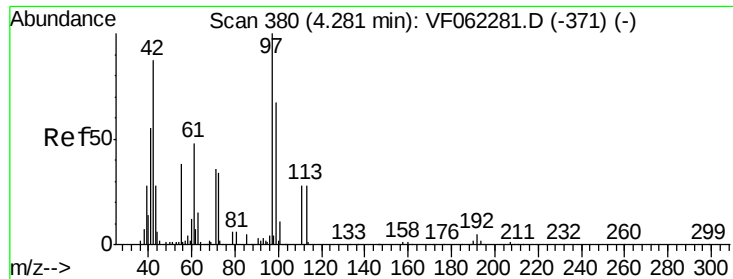


#28

Bromochloromethane
Concen: 44.691 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	0.0#
130	99.3	77.0	115.4

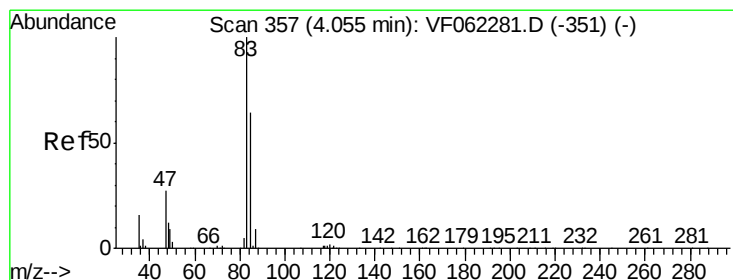
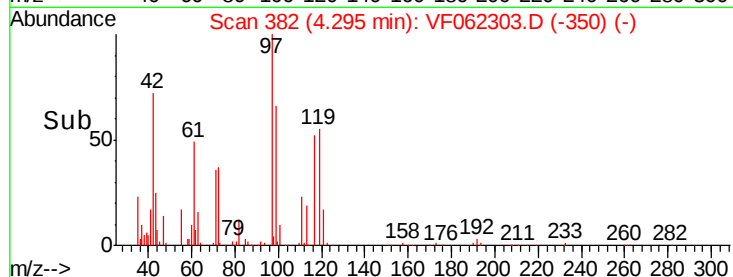
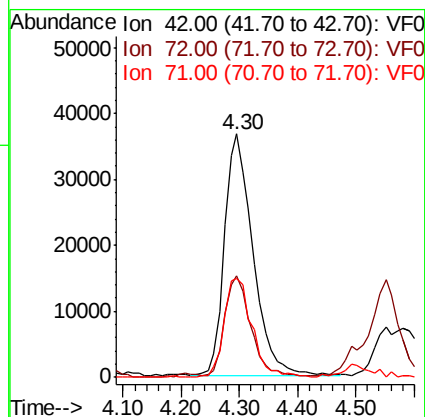
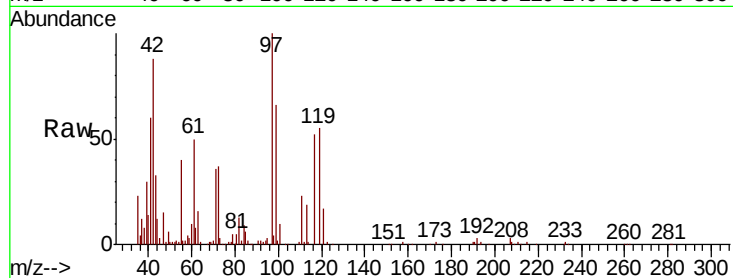




#29
Tetrahydrofuran
Concen: 237.470 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

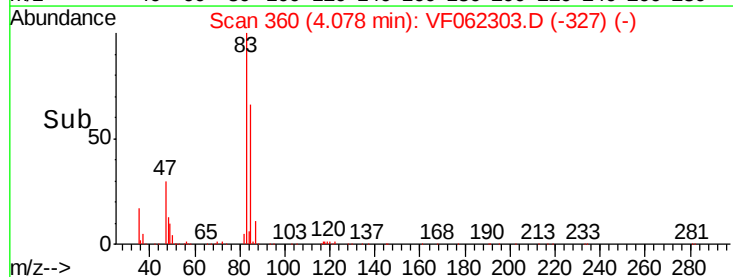
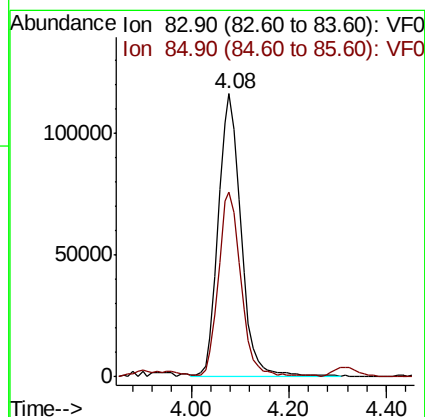
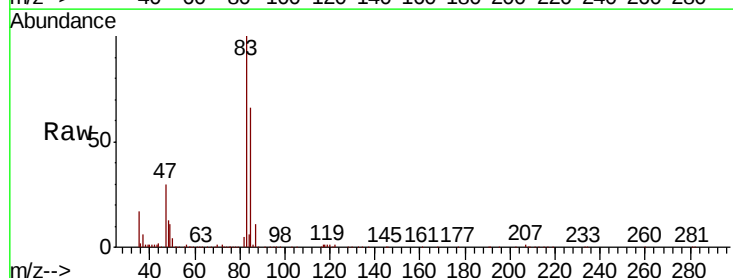
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

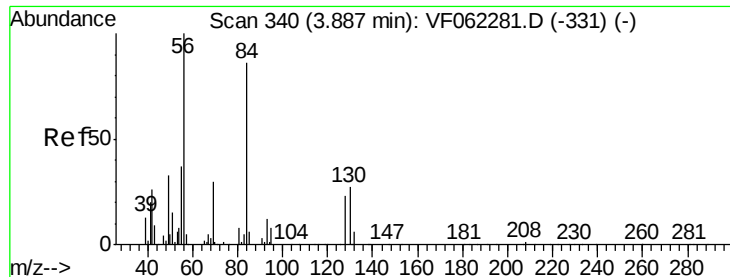
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	29.3	43.9
71	40.2	31.2	46.8



#30
Chloroform
Concen: 51.277 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7

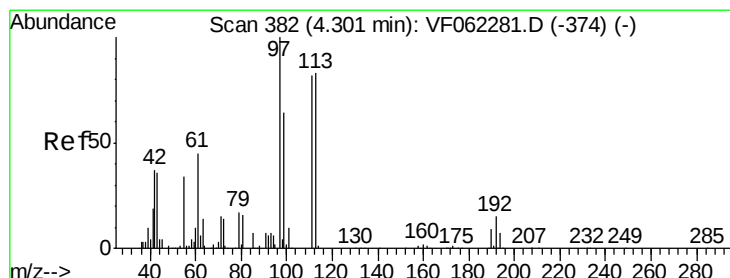
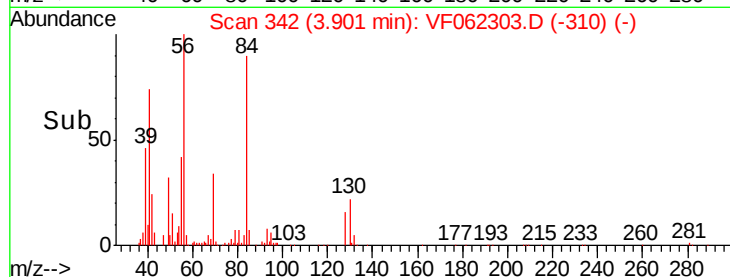
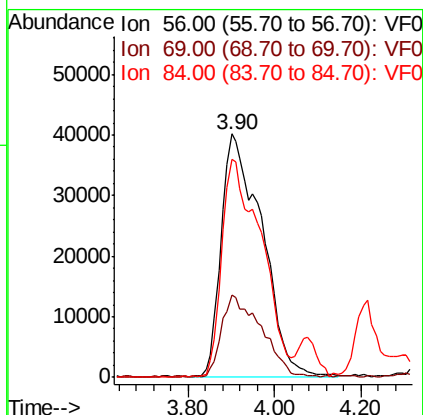
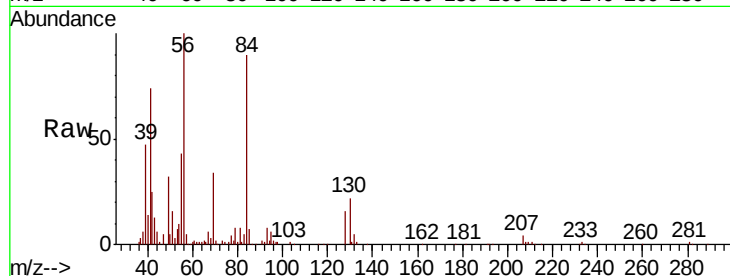




#31
Cyclohexane
Concen: 47.273 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

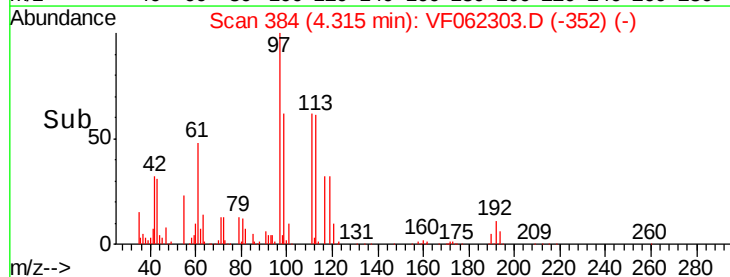
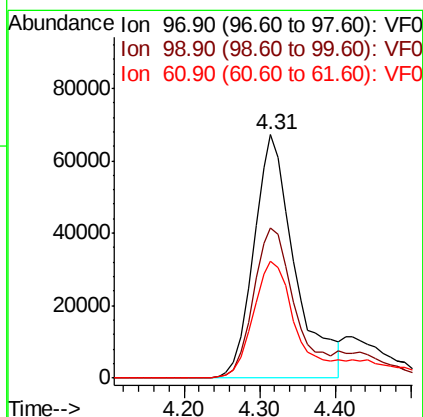
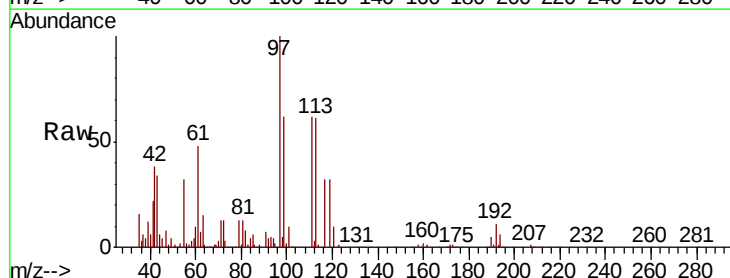
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

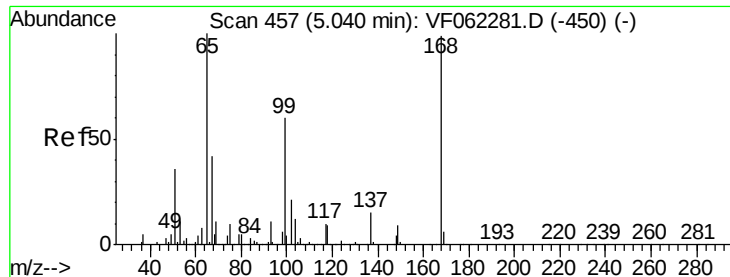
Tot Ion: 56 Resp: 262520
Ion Ratio Lower Upper
56 100
69 33.5 24.3 36.5
84 89.6 68.5 102.7



#32
1,1,1-Trichloroethane
Concen: 43.979 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion: 97 Resp: 253042
Ion Ratio Lower Upper
97 100
99 62.3 41.6 62.4
61 48.9 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 52.890 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

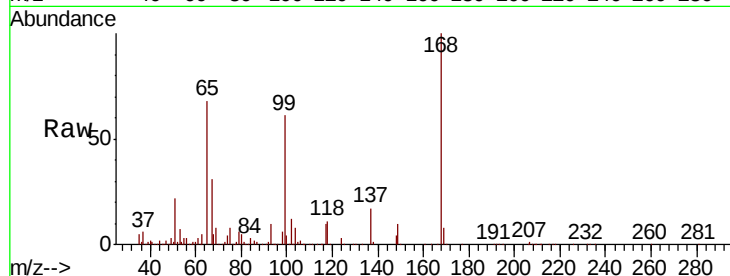
VSTDCCC050

Tot Ion: 65 Resp: 177230

Ion Ratio Lower Upper

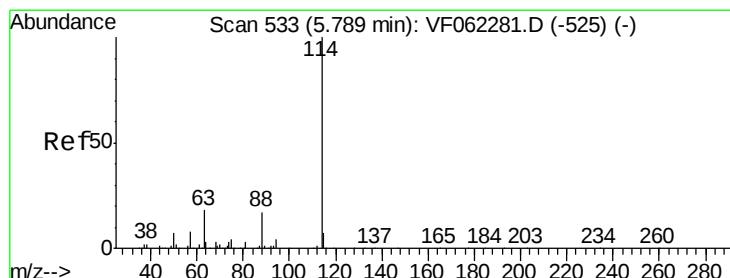
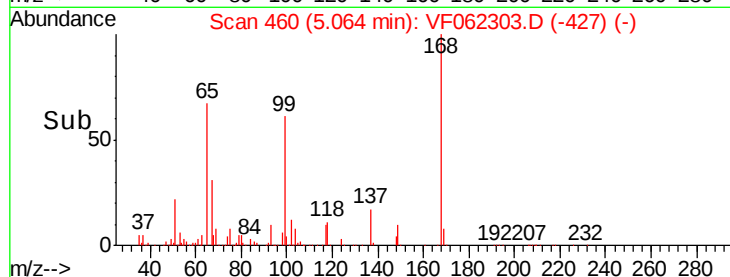
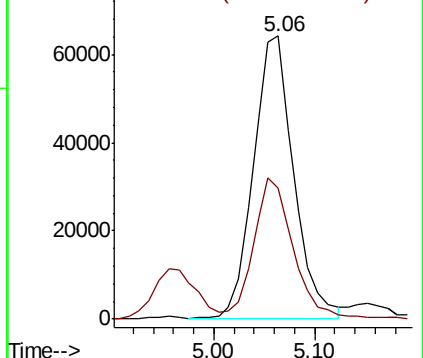
65 100

67 48.9 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

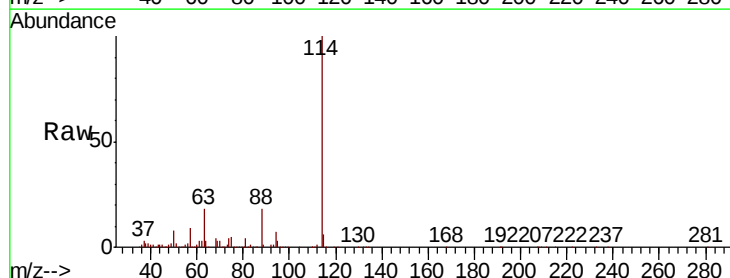
Tgt Ion: 114 Resp: 566893

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

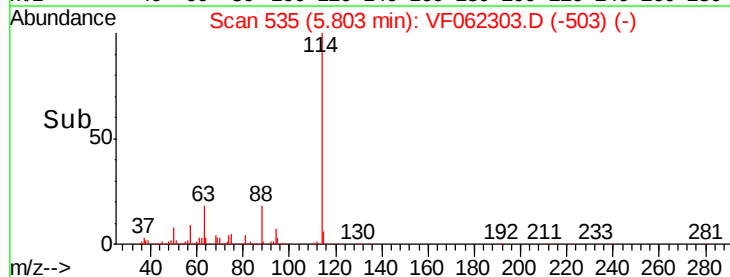
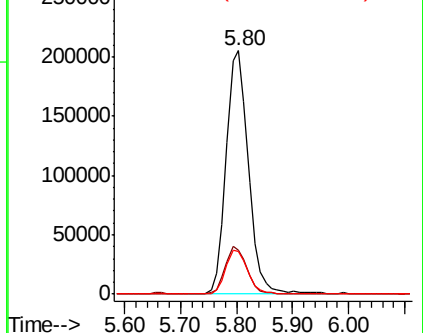
88 17.5 0.0 34.6

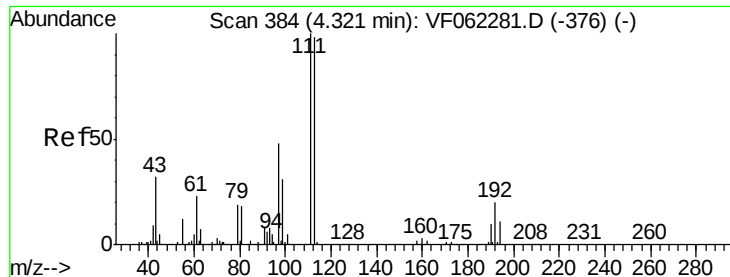


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

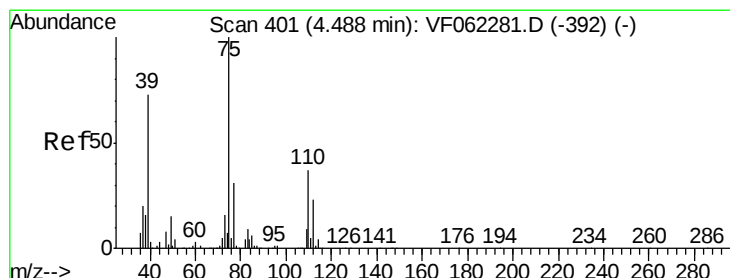
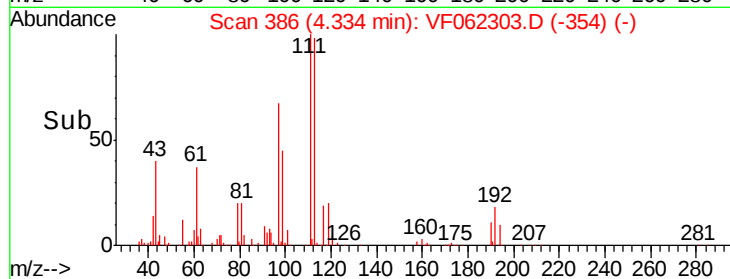
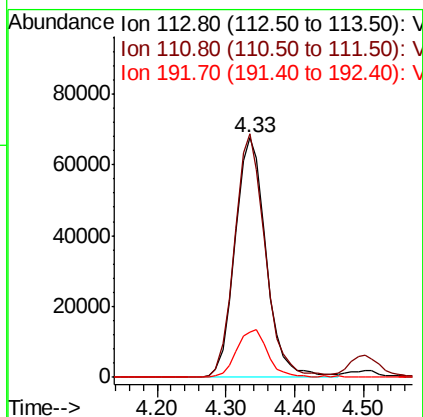
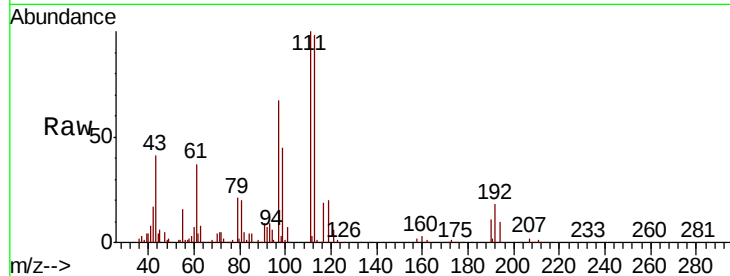




#35
 Dibromofluoromethane
 Concen: 50.350 ug/l
 RT: 4.33 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

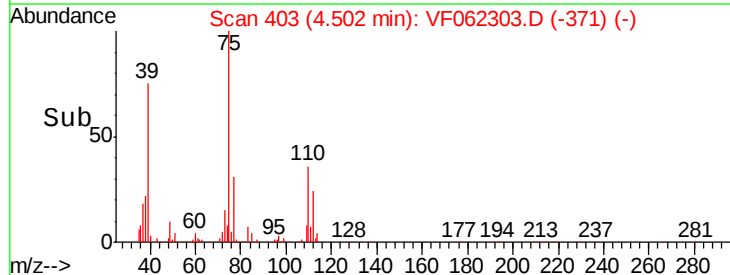
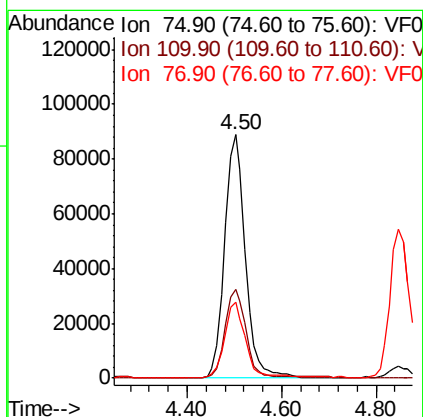
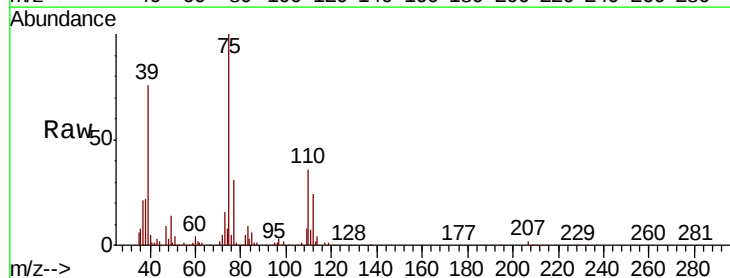
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

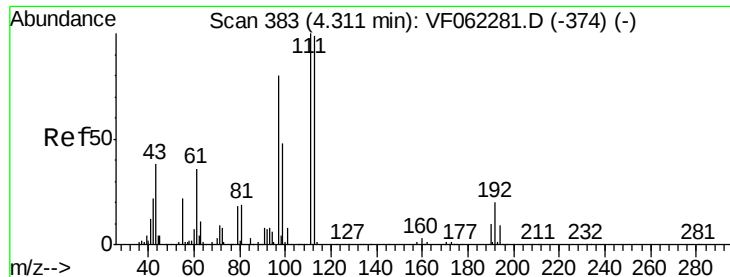
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.4	122.2
192	19.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 51.953 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.9	53.8
77	30.6	24.6	36.8





#37

Ethyl Acetate

Concen: 49.555 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.02 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

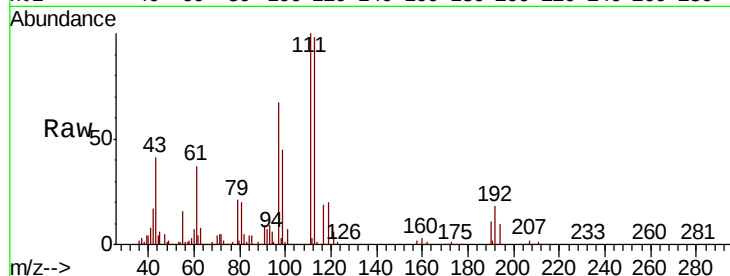
Tot Ion: 43 Resp: 109035

Ion Ratio Lower Upper

43 100

61 113.4 85.8 128.6

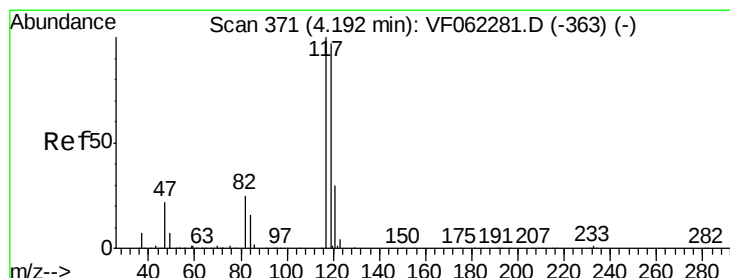
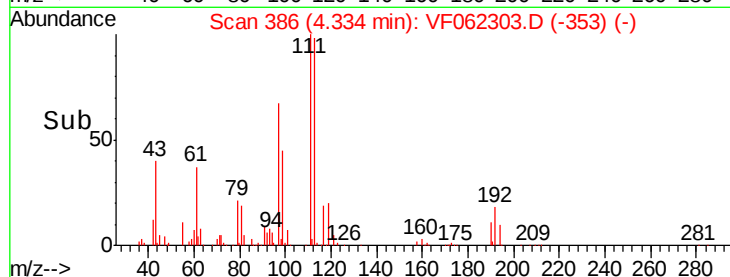
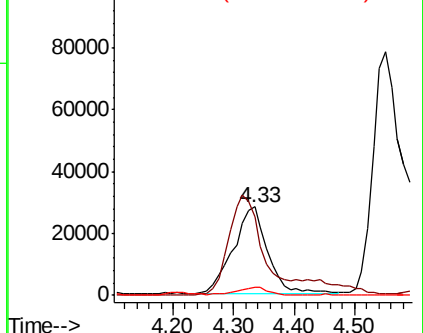
70 9.3 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 49.381 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.02 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

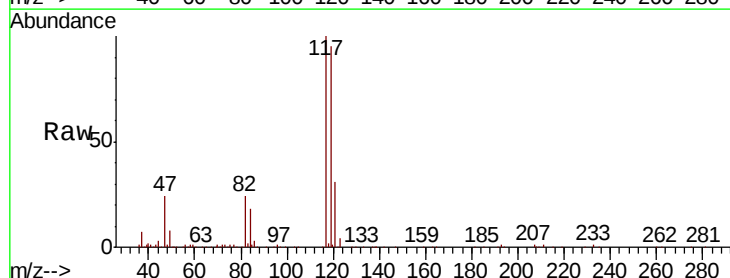
Tgt Ion: 117 Resp: 262551

Ion Ratio Lower Upper

117 100

119 94.3 77.3 115.9

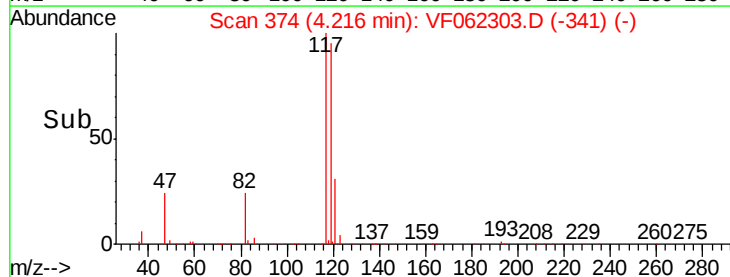
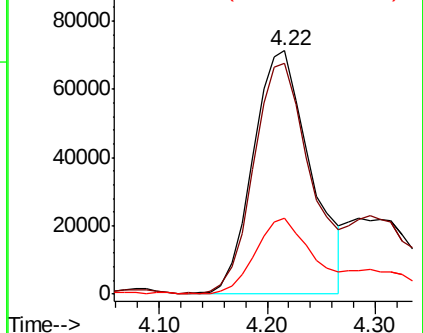
121 31.3 24.3 36.5

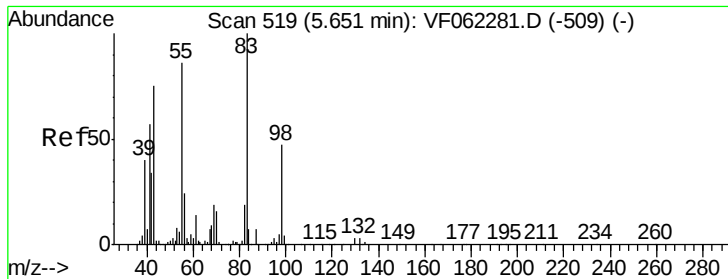


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

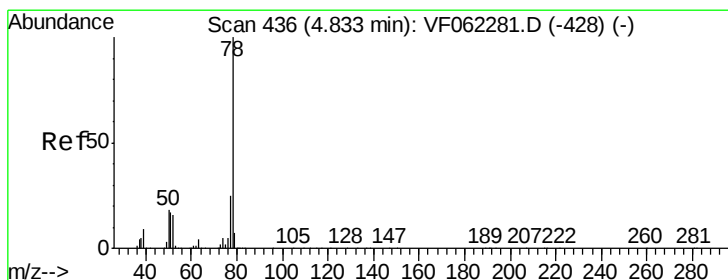
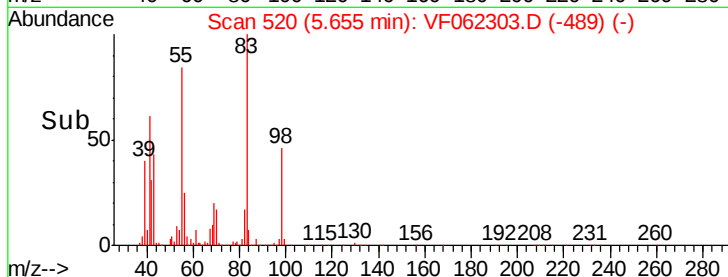
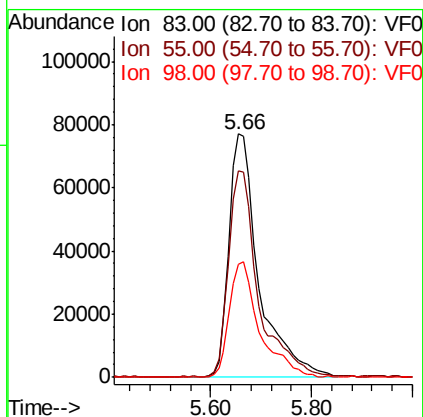
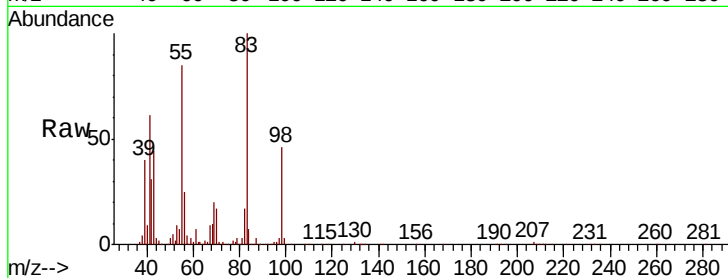




#39
Methvlcvclohexane
Concen: 51.701 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

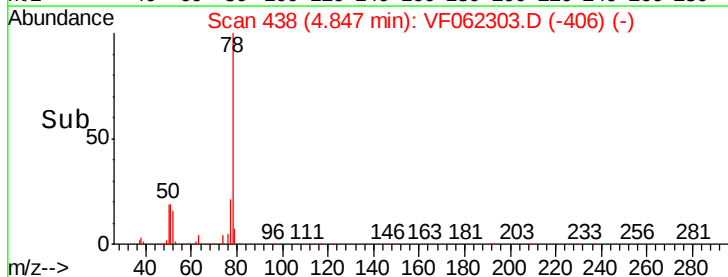
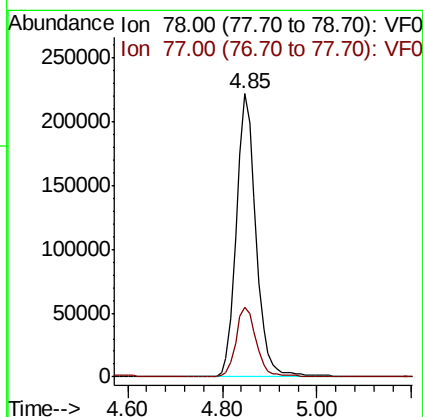
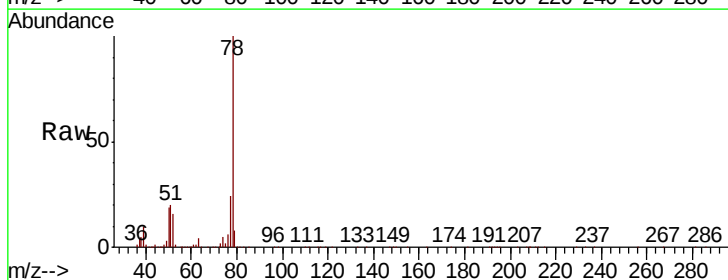
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

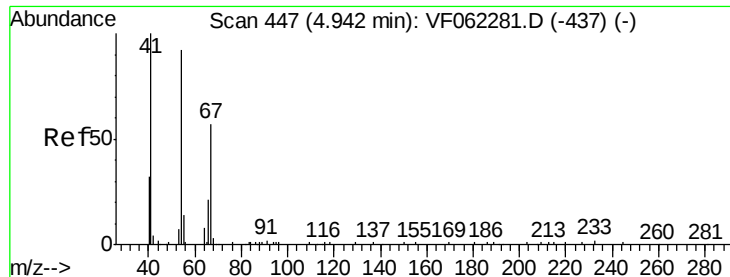
Tot Ion	83	Resp	315652
Ion	Ratio	Lower	Upper
83	100		
55	84.3	68.7	103.1
98	46.1	37.4	56.2



#40
Benzene
Concen: 50.362 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	78	Resp	636380
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5

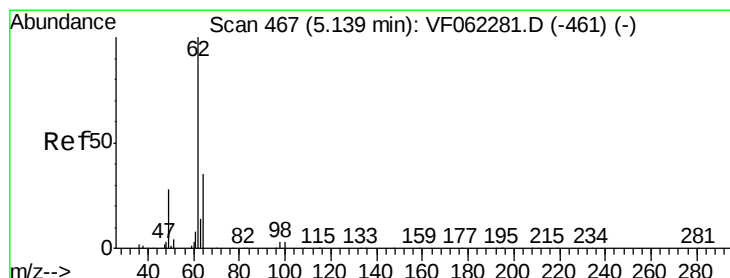
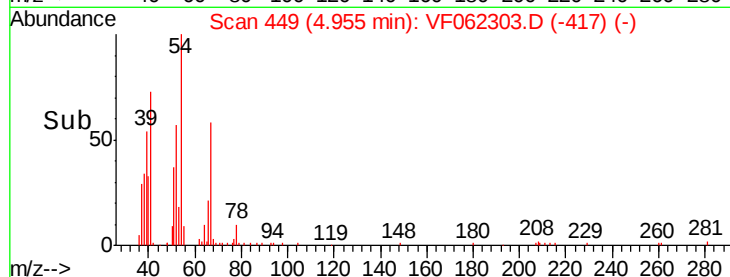
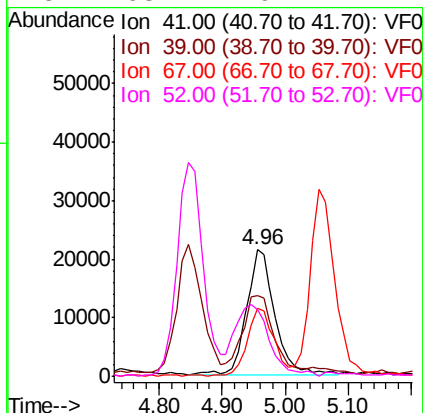
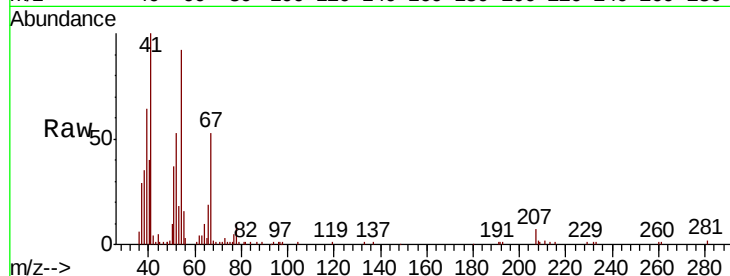




#41
Methacrylonitrile
Concen: 54.304 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

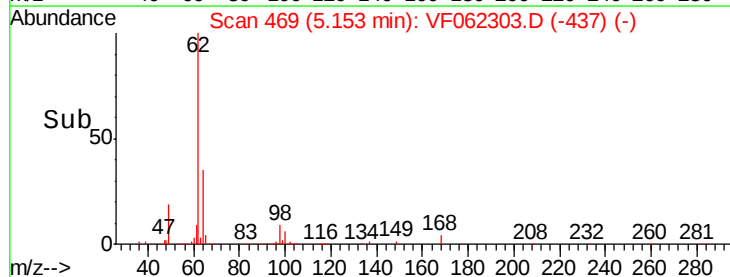
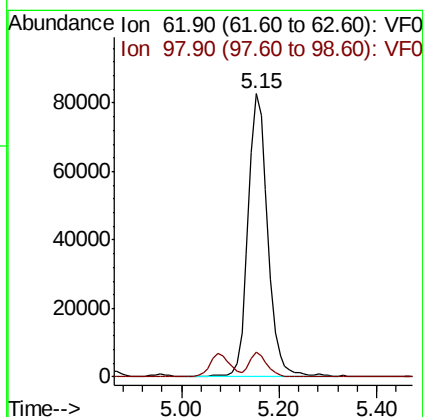
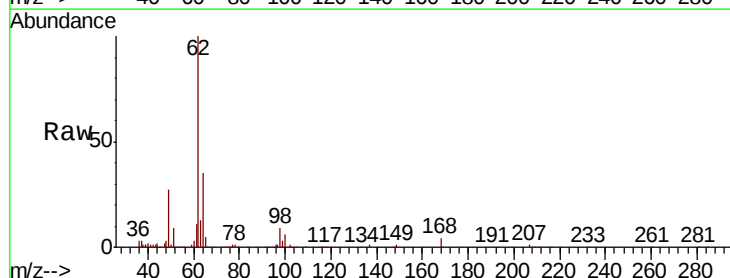
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

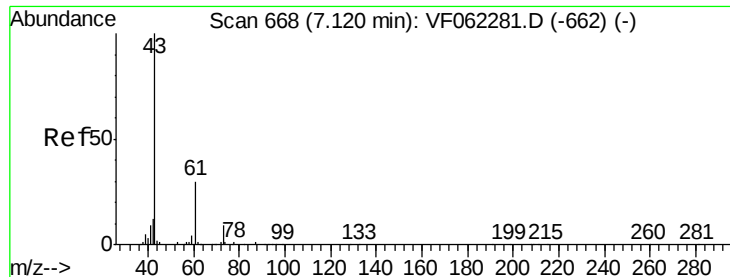
Tot Ion:	41	Resp:	66379
Ion	Ratio	Lower	Upper
41	100		
39	62.9	47.3	70.9
67	51.1	41.3	61.9
52	68.7	49.4	74.2



#42
1,2-Dichloroethane
Concen: 58.386 ug/l
RT: 5.15 min Scan# 469
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion:	62	Resp:	233730
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.8



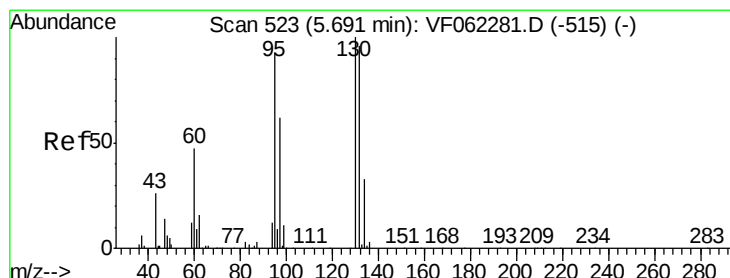
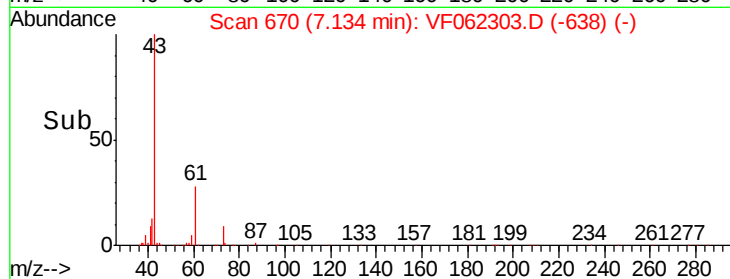
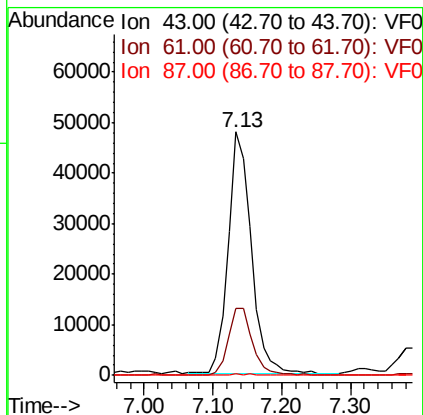
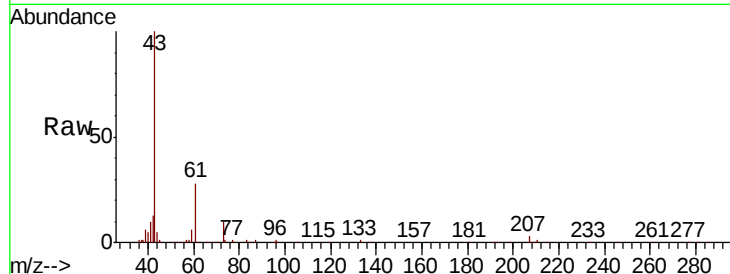


#43

Isopropyl Acetate
 Concen: 49.273 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

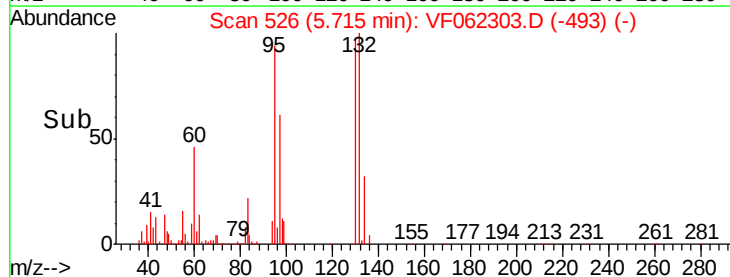
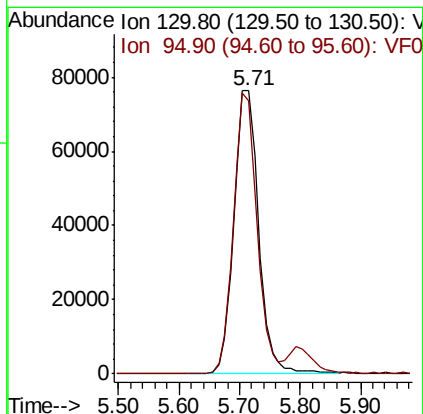
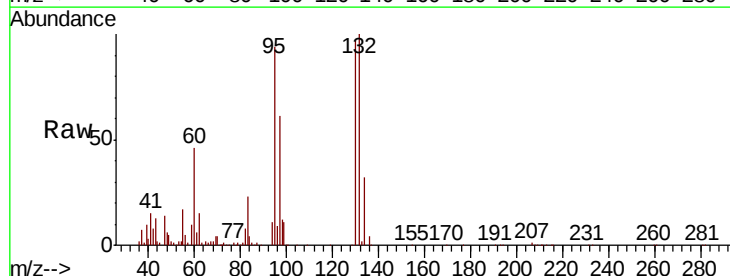
Tot Ion: 43 Resp: 111102
 Ion Ratio Lower Upper
 43 100
 61 29.0 23.8 35.6
 87 0.5 0.5 0.7#

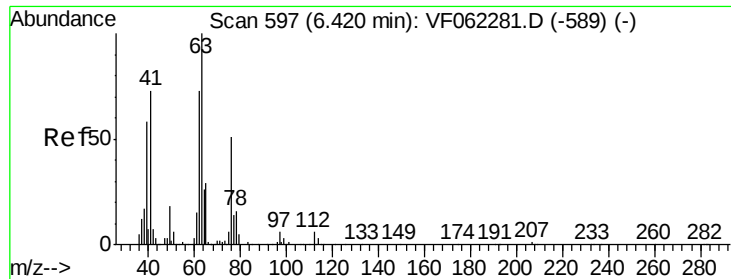


#44

Trichloroethene
 Concen: 50.994 ug/l
 RT: 5.71 min Scan# 526
 Delta R.T. 0.02 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion: 130 Resp: 218008
 Ion Ratio Lower Upper
 130 100
 95 96.5 0.0 186.4

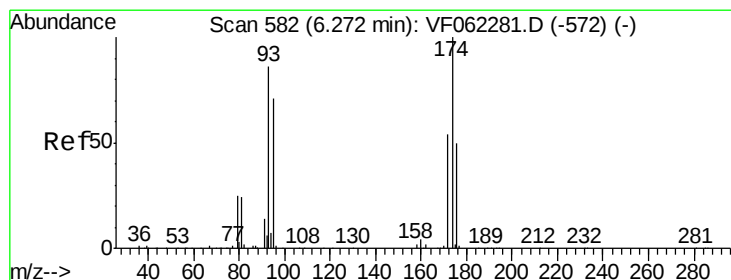
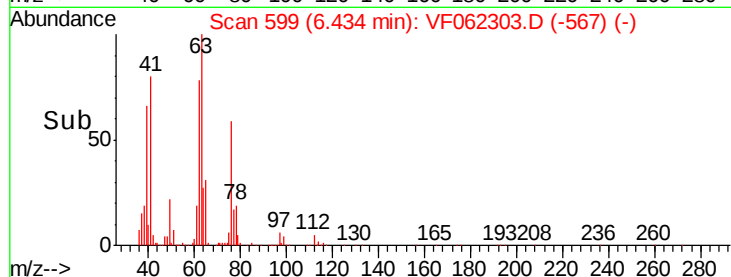
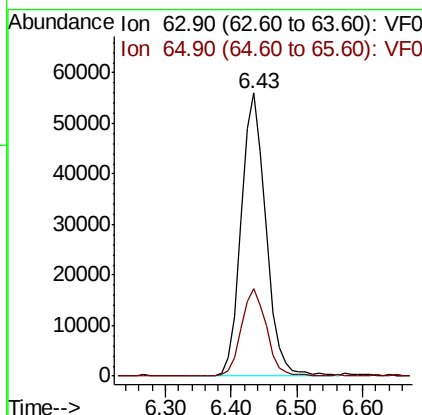
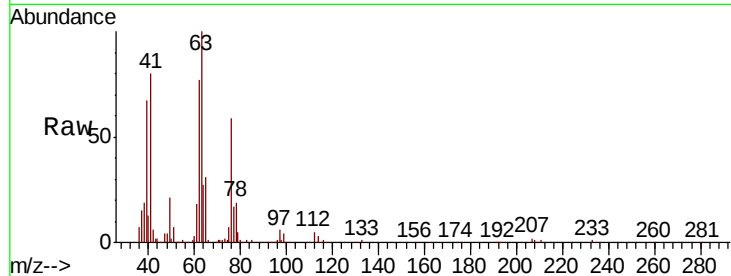




#45
 1,2-Dichloropropane
 Concen: 52.024 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

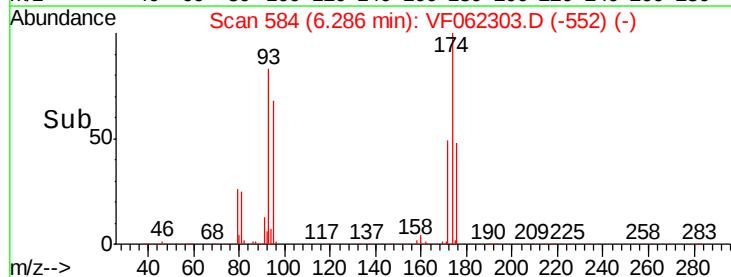
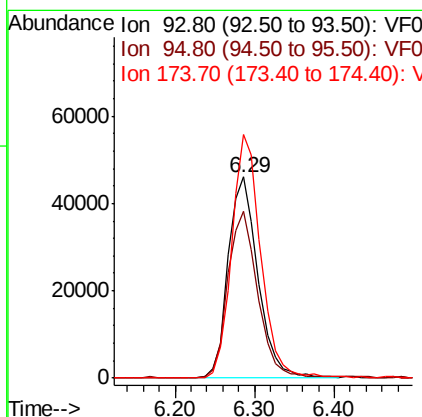
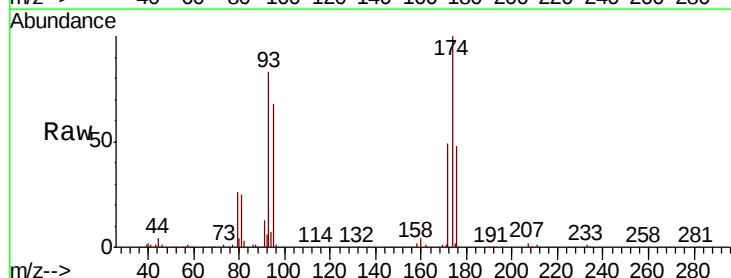
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

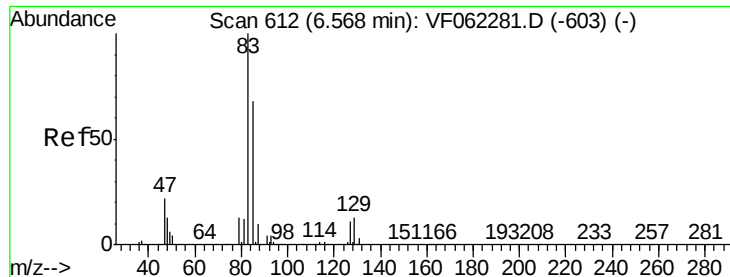
Tot Ion: 63 Resp: 148218
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.5 35.3



#46
 Dibromomethane
 Concen: 58.652 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion: 93 Resp: 120659
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.4
 174 118.0 94.9 142.3





#47

Bromodichloromethane

Concen: 57.438 ug/l

RT: 6.58 min Scan# 614

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

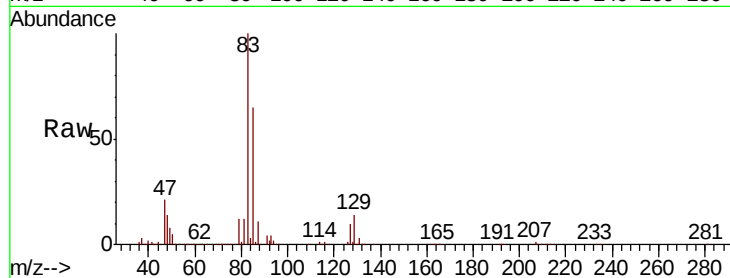
Tot Ion: 83 Resp: 277783

Ion Ratio Lower Upper

83 100

85 64.6 54.6 81.8

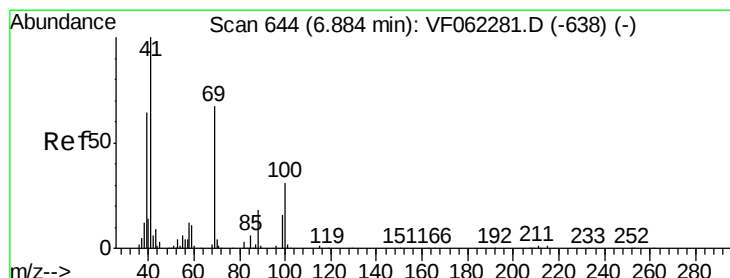
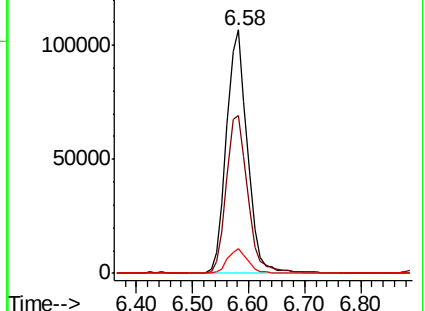
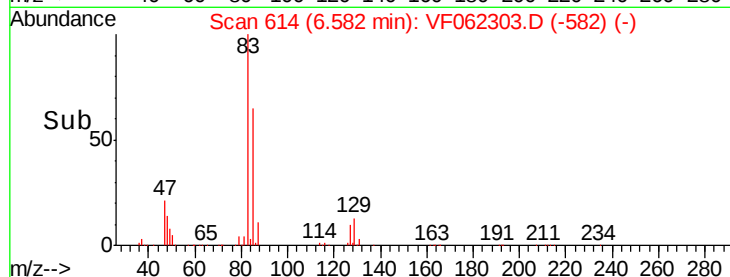
127 10.3 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.749 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

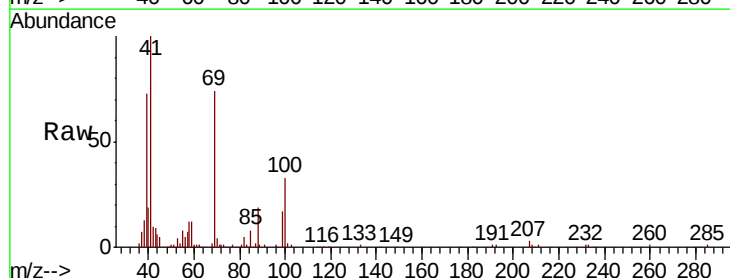
Tgt Ion: 41 Resp: 81808

Ion Ratio Lower Upper

41 100

69 70.6 53.4 80.2

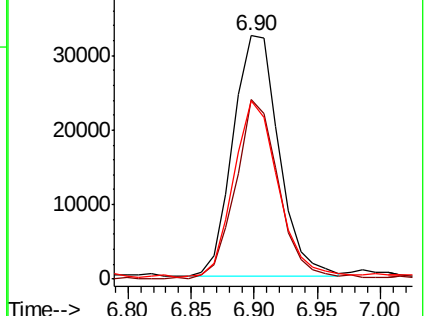
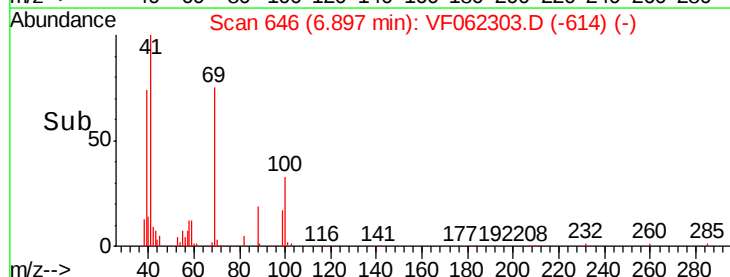
39 70.4 50.9 76.3

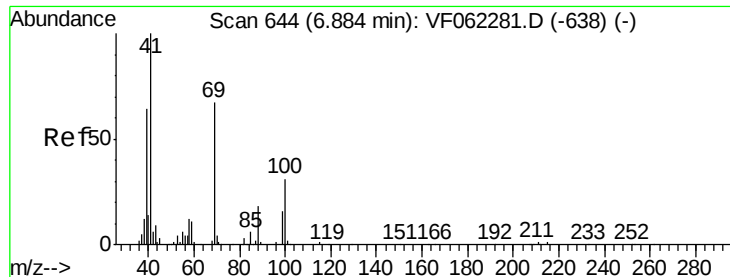


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1020.456 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

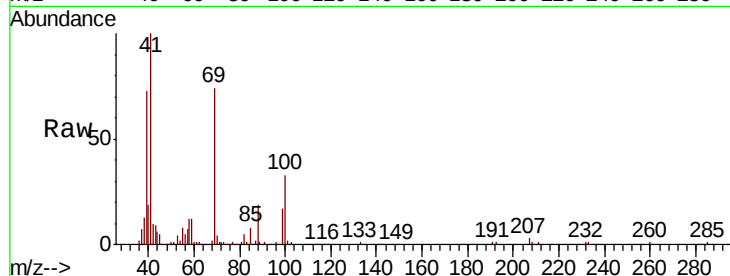
Tot Ion: 88 Resp: 18942

Ion Ratio Lower Upper

88 100

43 42.5 34.2 51.4

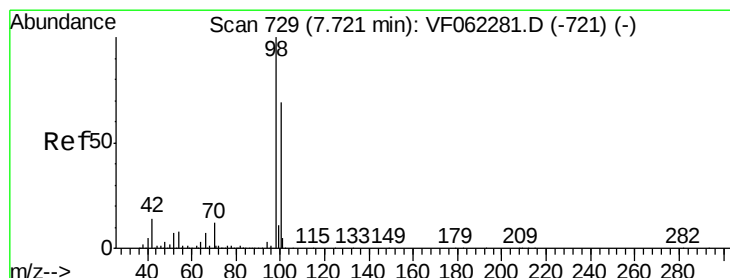
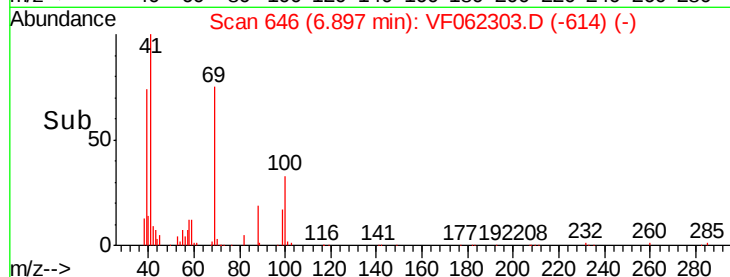
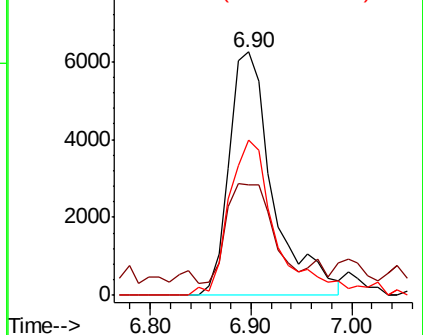
58 70.0 50.7 76.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.094 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.01 min

Lab File: VF062303.D

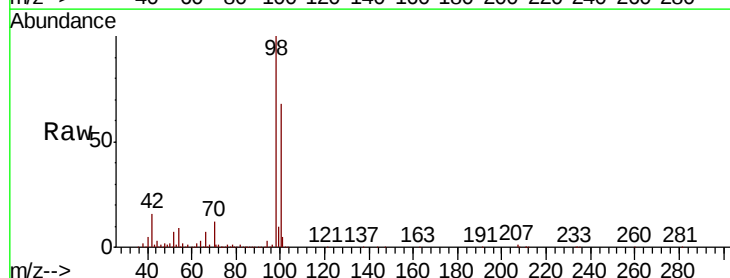
Acq: 26 Apr 2019 12:57

Tgt Ion: 98 Resp: 473239

Ion Ratio Lower Upper

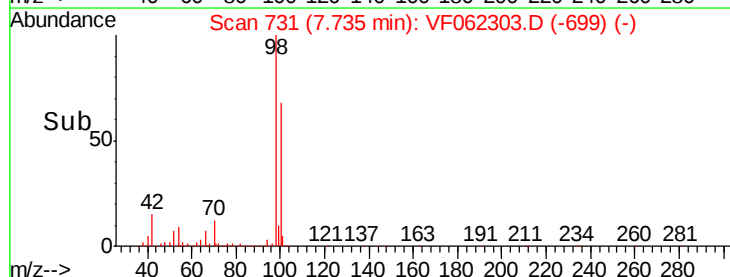
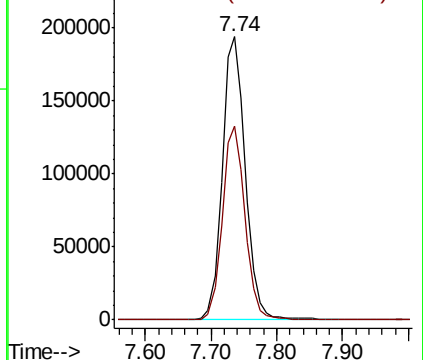
98 100

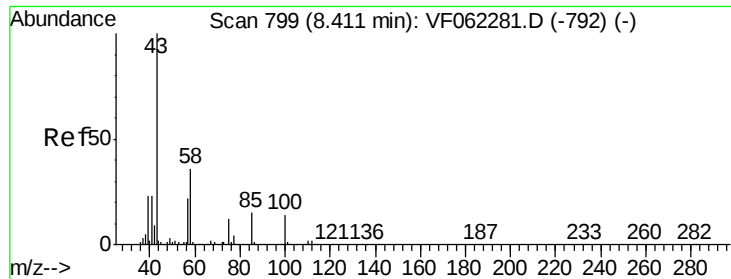
100 67.1 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 236.840 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

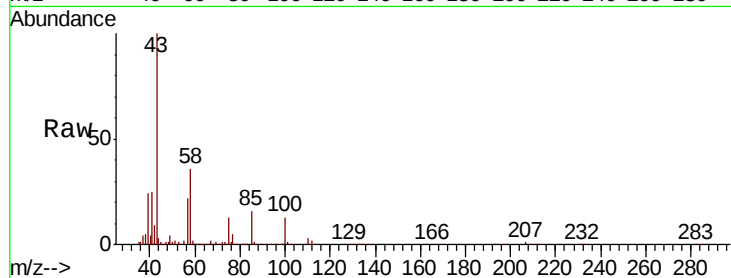
VSTDCCC050

Tot Ion: 43 Resp: 410596

Ion Ratio Lower Upper

43 100

58 36.2 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.43

200000

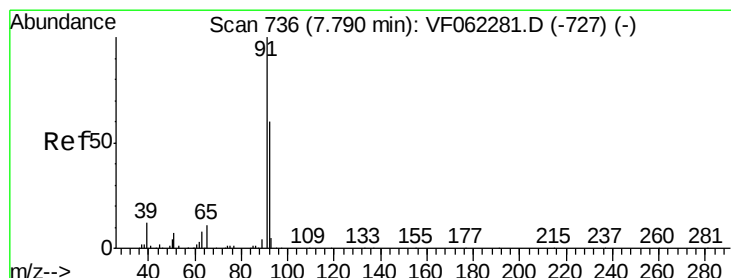
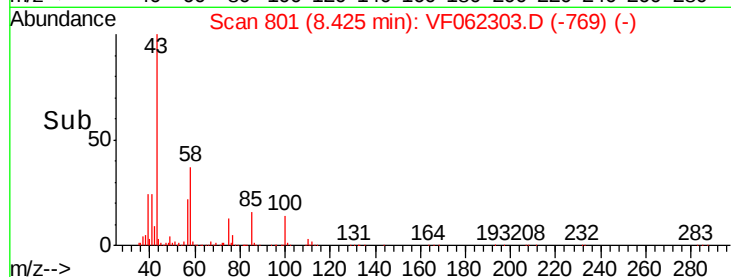
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.497 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF062303.D

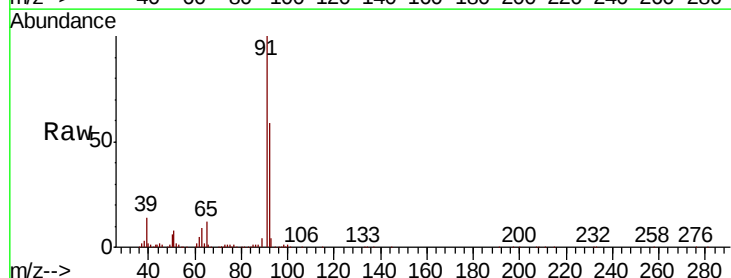
Acq: 26 Apr 2019 12:57

Tgt Ion: 92 Resp: 339029

Ion Ratio Lower Upper

92 100

91 169.1 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

250000

200000

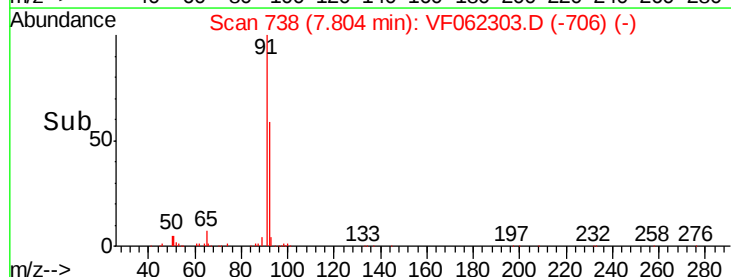
150000

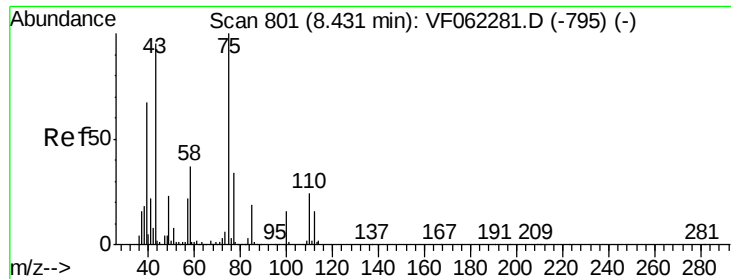
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.935 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

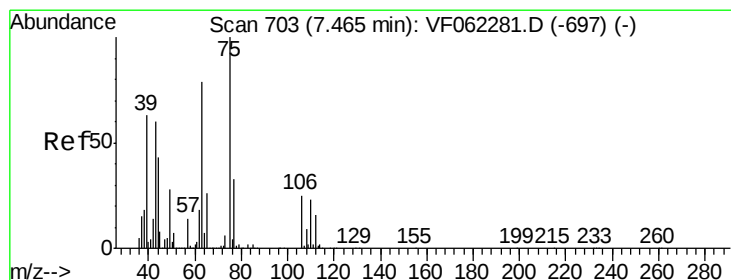
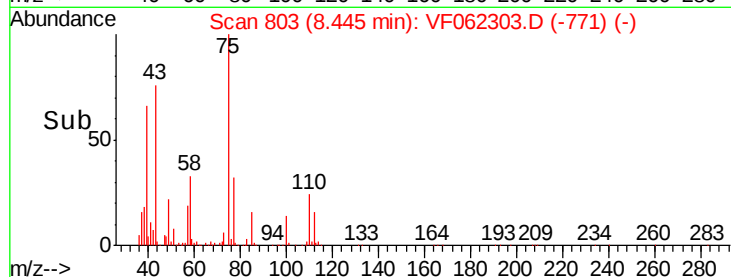
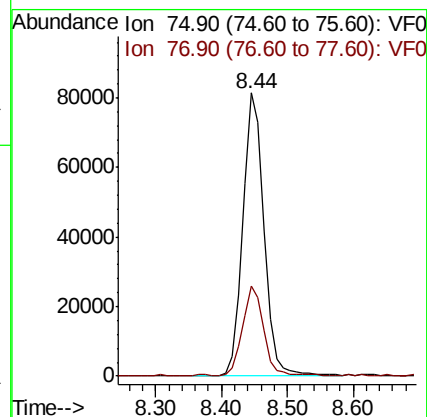
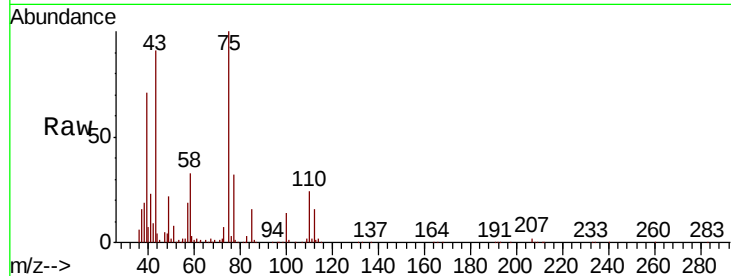
VSTDCCC050

Tot Ion: 75 Resp: 184693

Ion Ratio Lower Upper

75 100

77 31.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 50.255 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

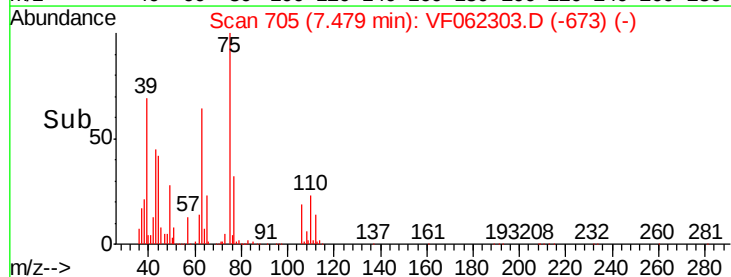
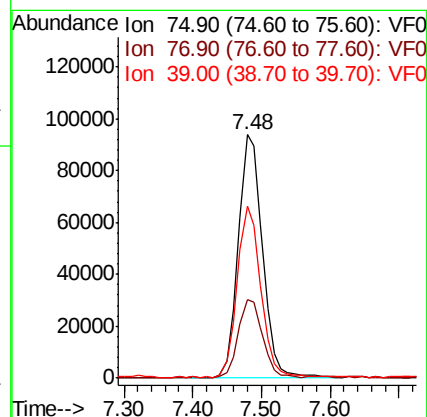
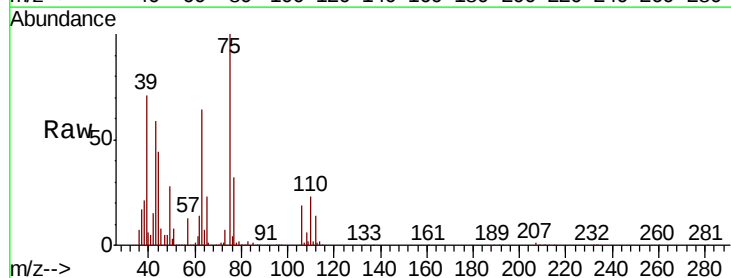
Tgt Ion: 75 Resp: 228953

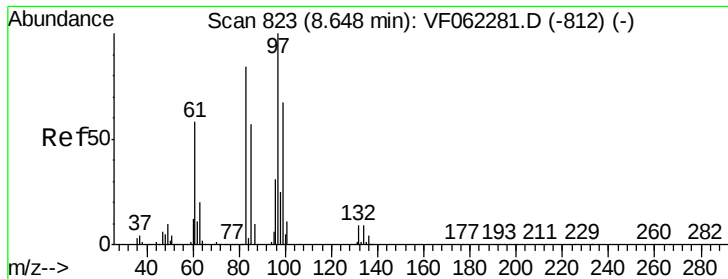
Ion Ratio Lower Upper

75 100

77 31.8 26.5 39.7

39 70.0 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 50.863 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 105330

Ion	Ratio	Lower	Upper
97	100		
83	78.4	67.5	101.3
85	53.0	45.3	67.9
99	60.6	53.4	80.0

97 100

83 78.4 67.5 101.3

85 53.0 45.3 67.9

99 60.6 53.4 80.0

Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

60000

40000

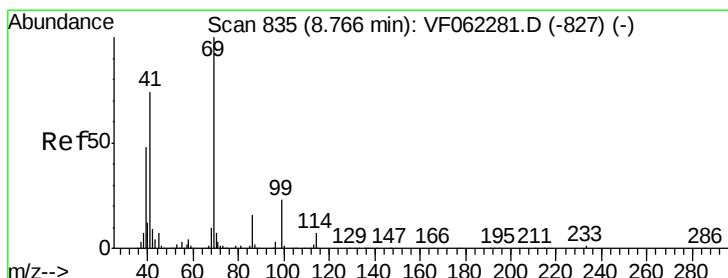
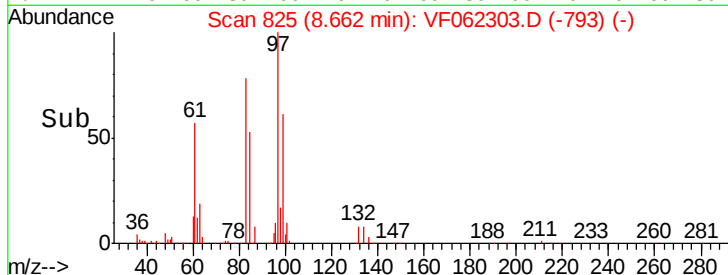
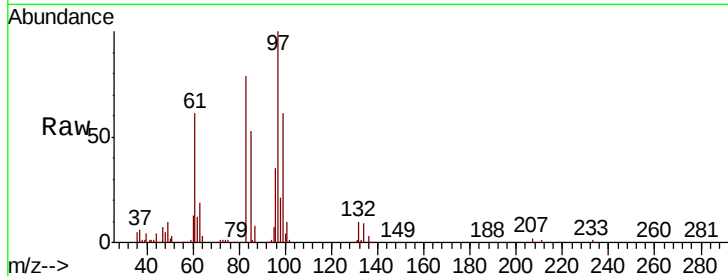
20000

0

8.66

8.50 8.60 8.70 8.80

Time-->



#56

Ethyl methacrylate

Concen: 45.096 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion: 69 Resp: 102594

Ion	Ratio	Lower	Upper
69	100		
41	80.2	61.5	92.3
39	51.0	37.9	56.9

69 100

41 80.2 61.5 92.3

39 51.0 37.9 56.9

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

60000

50000

40000

30000

20000

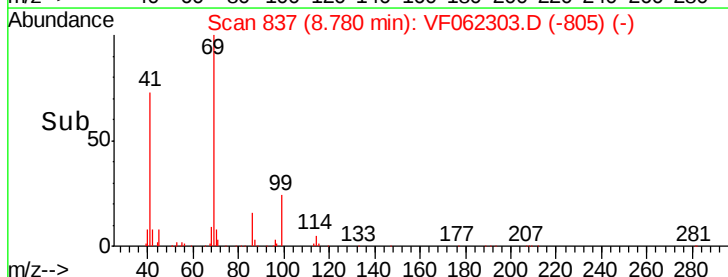
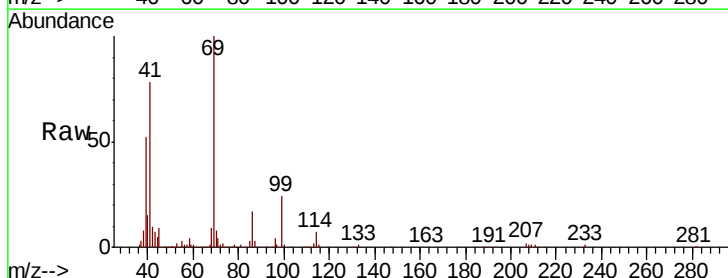
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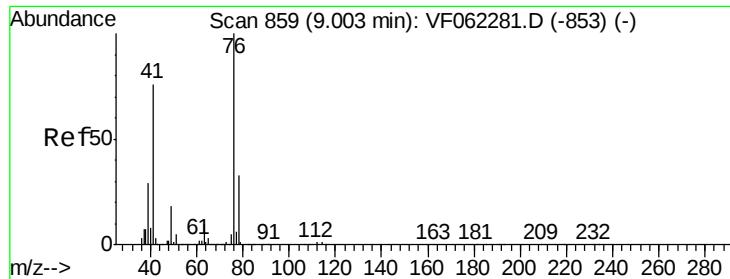
0

8.78

8.70 8.80 8.90

Time-->





#57

1,3-Dichloropropane

Concen: 52.627 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

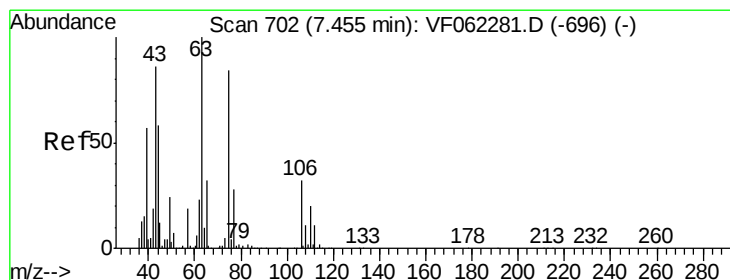
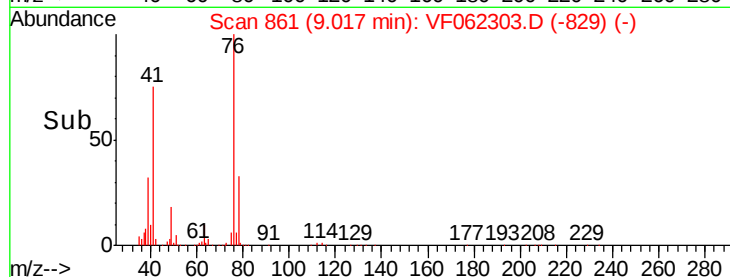
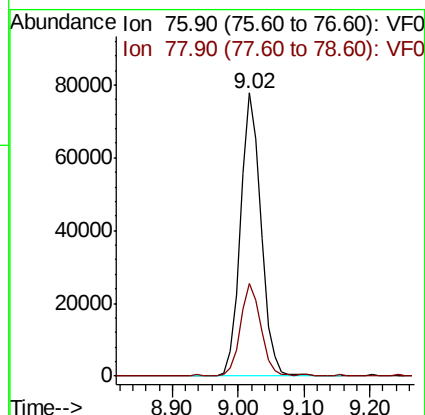
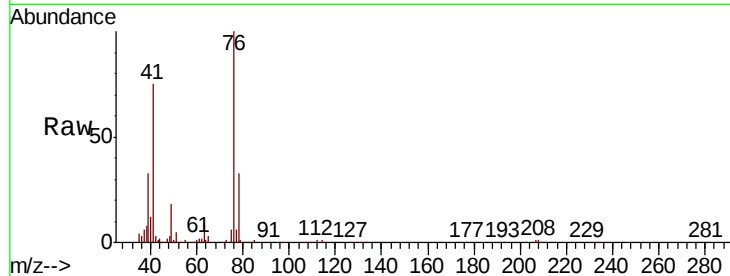
VSTDCCC050

Tot Ion: 76 Resp: 171353

Ion Ratio Lower Upper

76 100

78 31.9 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 224.336 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062303.D

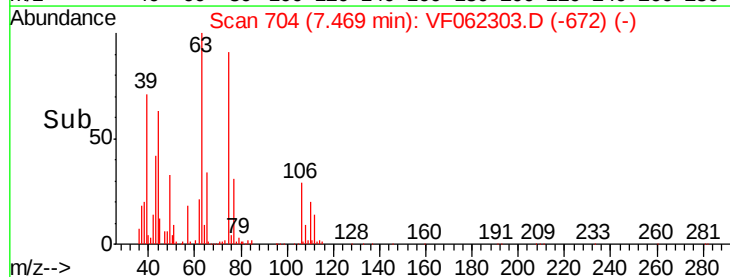
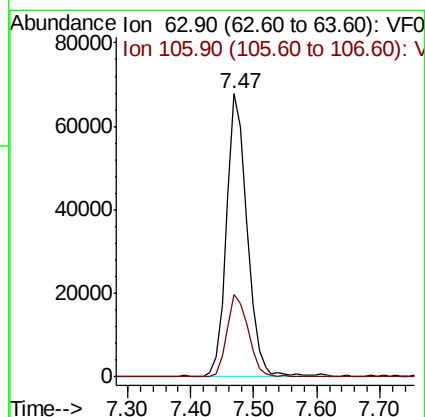
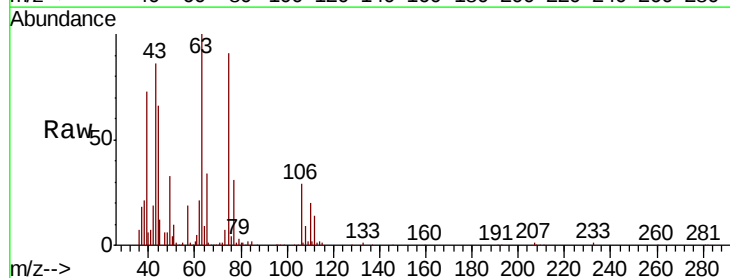
Acq: 26 Apr 2019 12:57

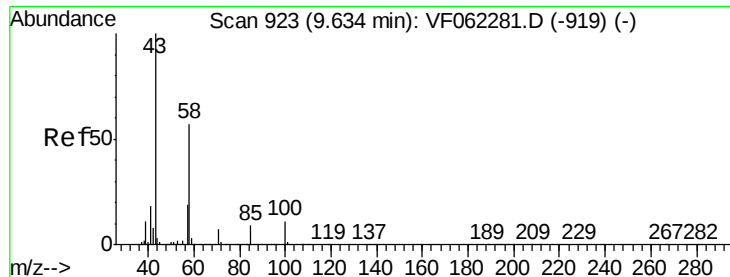
Tgt Ion: 63 Resp: 155302

Ion Ratio Lower Upper

63 100

106 29.9 24.7 37.1

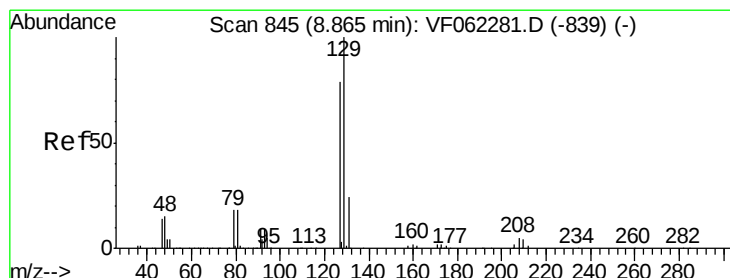
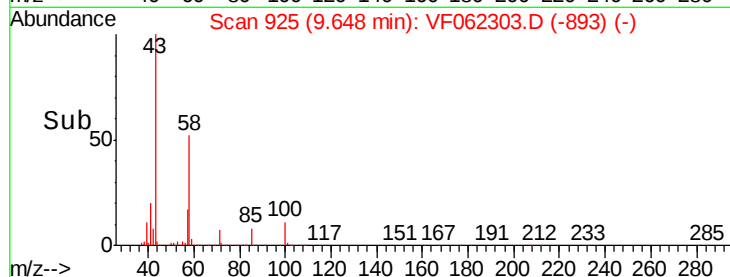
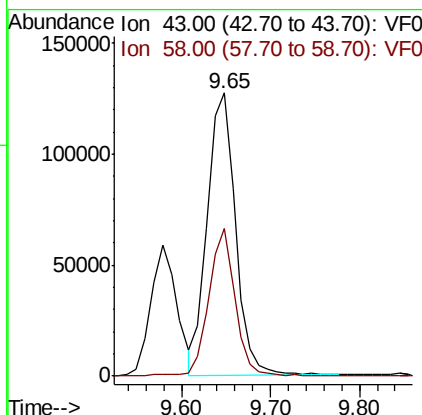
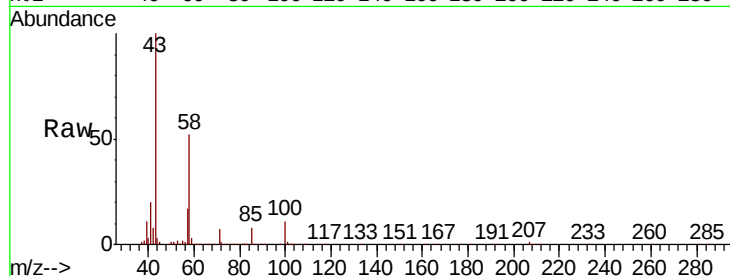




#59
2-Hexanone
Concen: 265.062 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

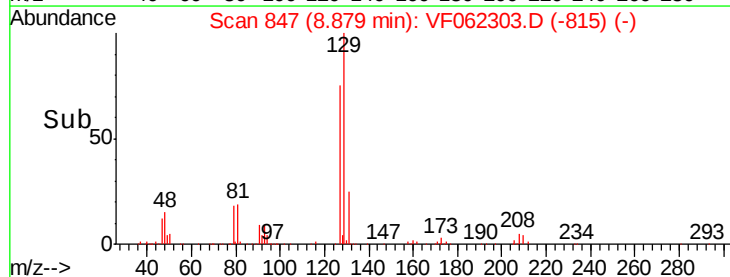
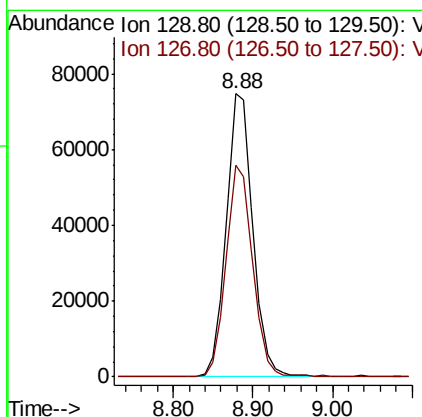
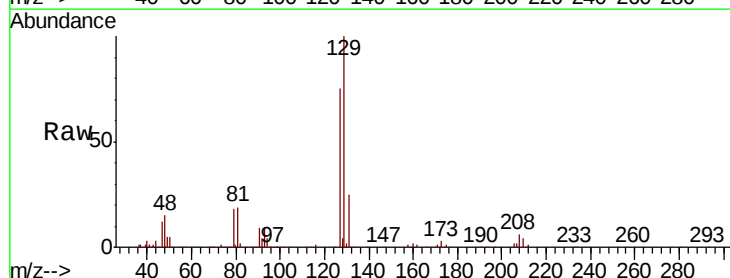
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

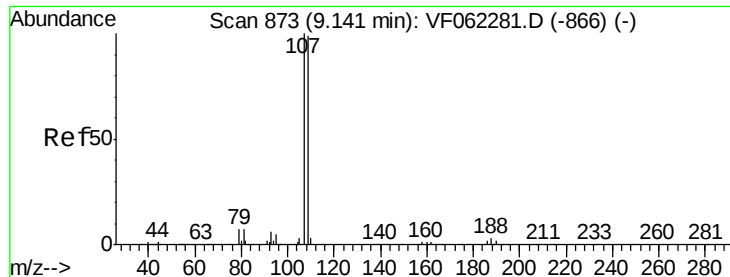
Tot Ion: 43 Resp: 279593
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.7



#60
Dibromochloromethane
Concen: 52.263 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion: 129 Resp: 175656
Ion Ratio Lower Upper
129 100
127 74.8 38.8 116.4





#61

1,2-Dibromoethane

Concen: 52.307 ug/l

RT: 9.15 min Scan# 875

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

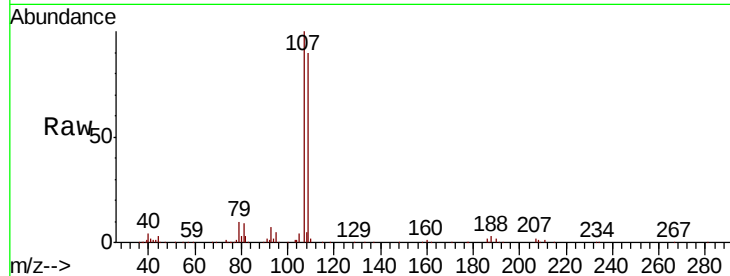
VSTDCCC050

Tot Ion: 107 Resp: 125367

Ion Ratio Lower Upper

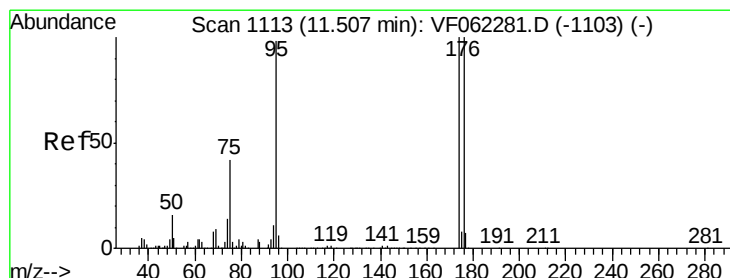
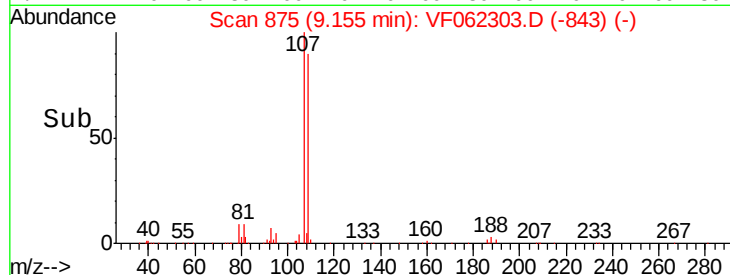
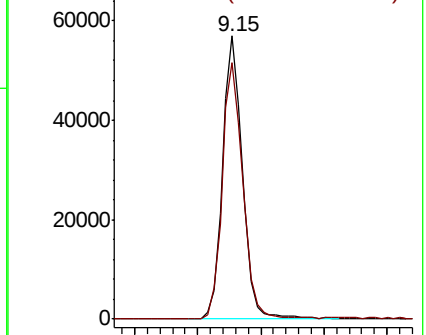
107 100

109 93.1 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.325 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

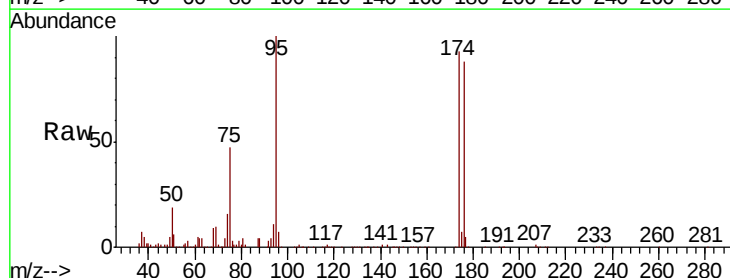
Tgt Ion: 95 Resp: 191809

Ion Ratio Lower Upper

95 100

174 95.7 0.0 185.2

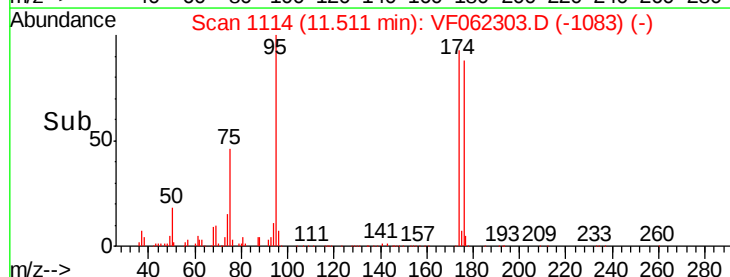
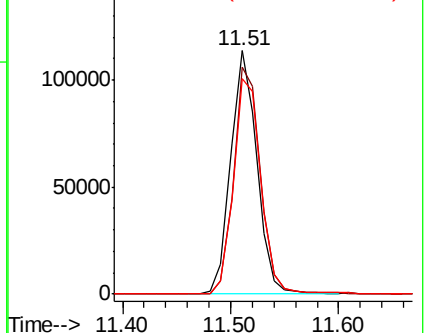
176 93.2 0.0 184.8

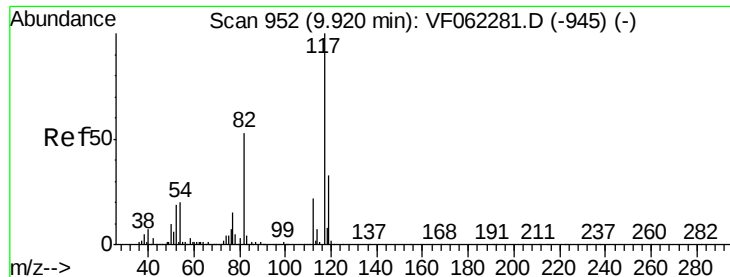


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

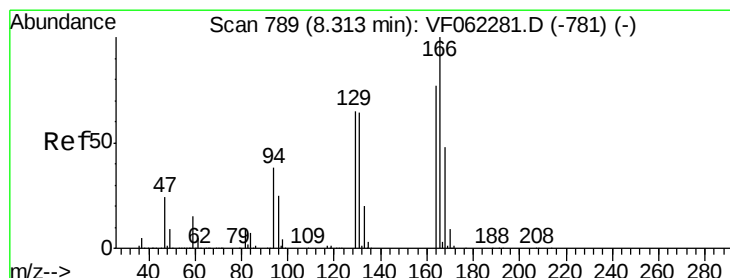
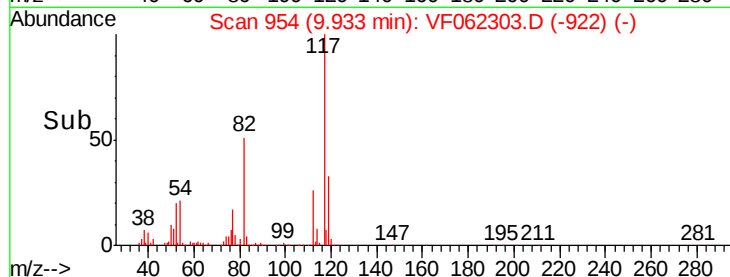
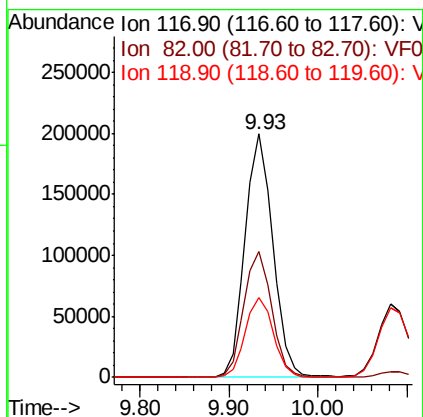
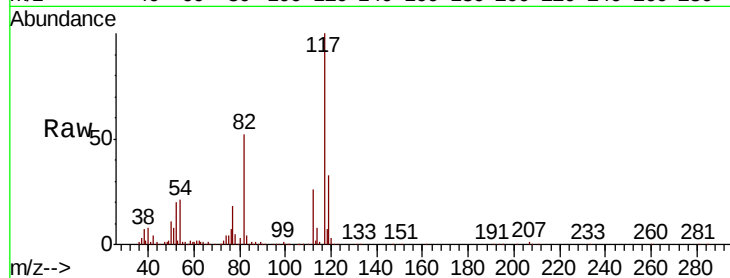




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

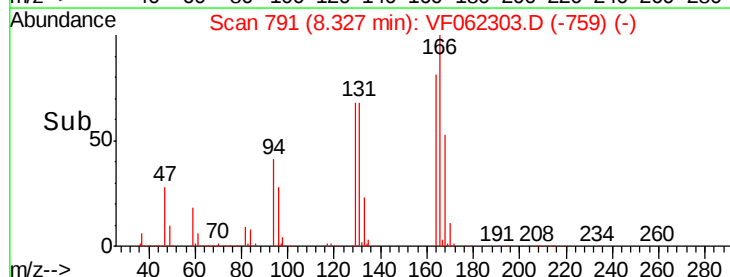
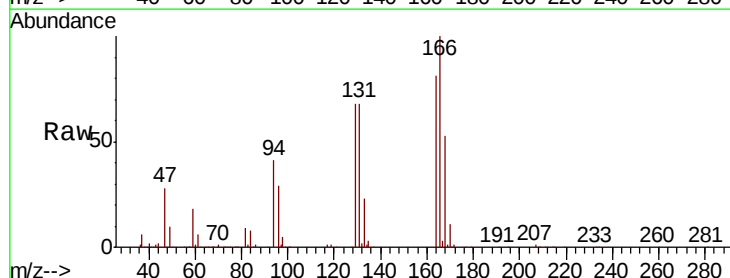
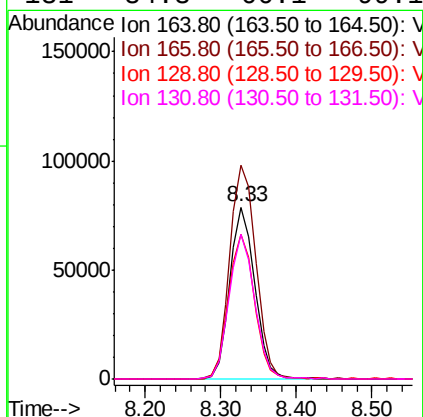
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

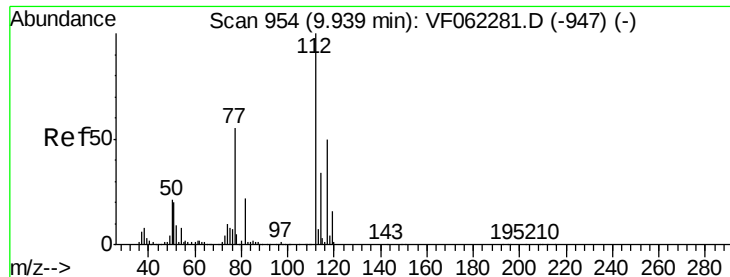
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.6	64.0
119	32.7	26.1	39.1



#64
Tetrachloroethene
Concen: 49.652 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	103.5	155.3
129	84.1	67.6	101.4
131	84.3	66.1	99.1

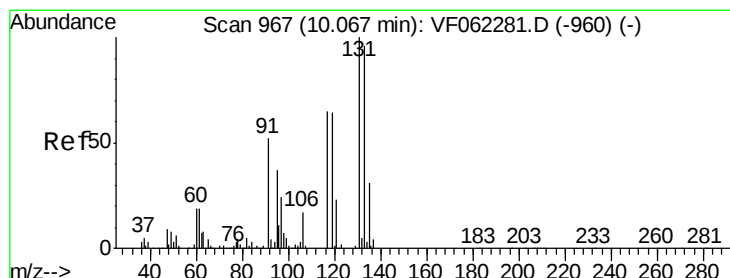
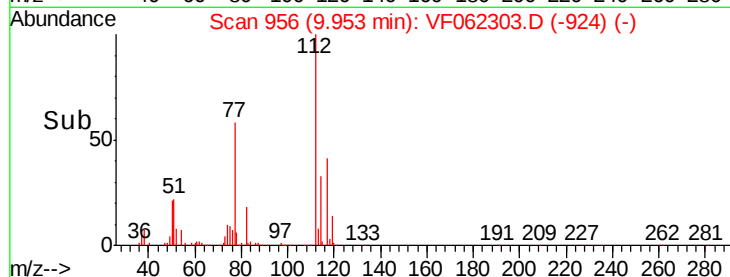
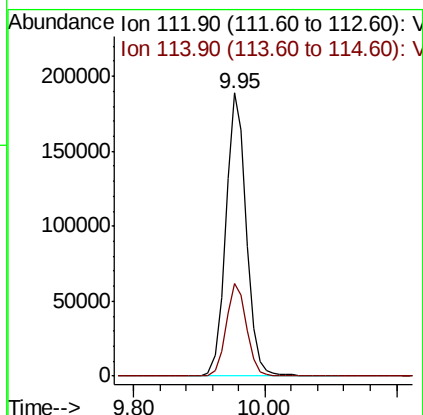
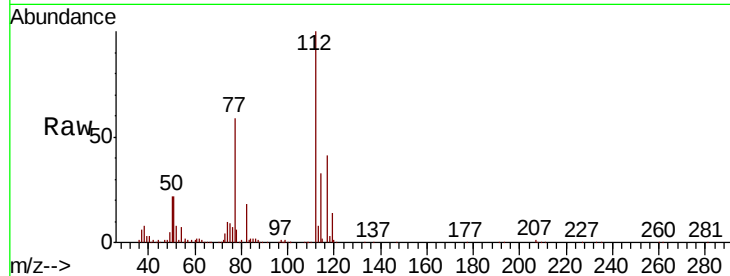




#65
Chlorobenzene
Concen: 51.893 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

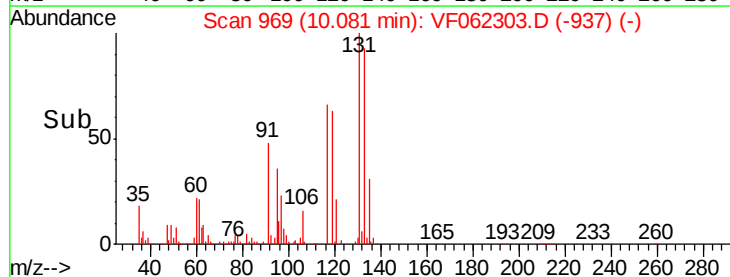
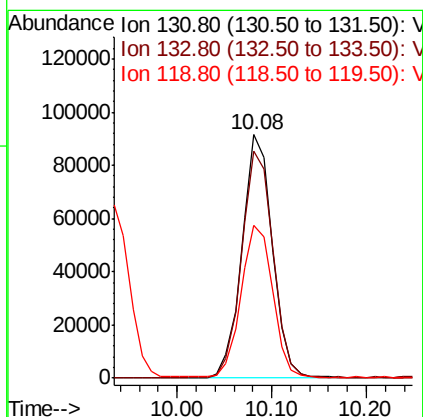
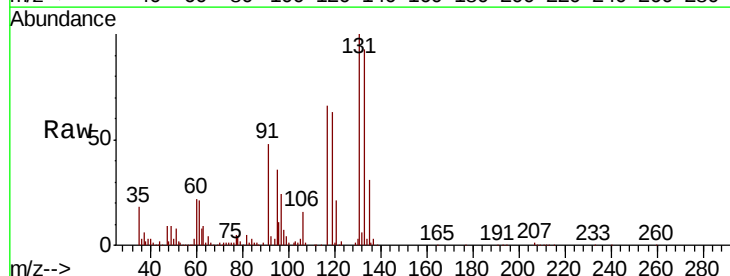
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

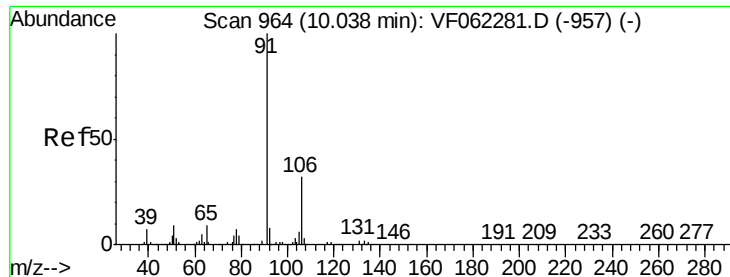
Tot Ion:112 Resp: 410549
Ion Ratio Lower Upper
112 100
114 32.7 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.887 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion:131 Resp: 204537
Ion Ratio Lower Upper
131 100
133 97.0 48.5 145.5
119 65.0 32.9 98.7





#67

Ethyl Benzene

Concen: 52.479 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

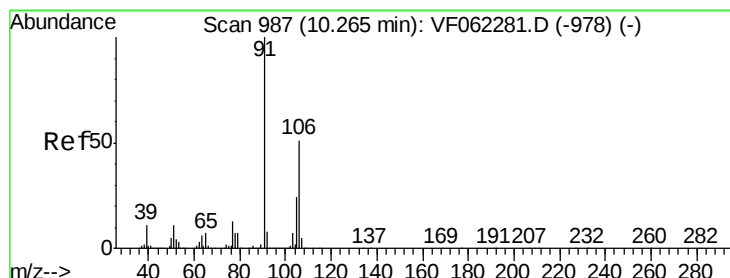
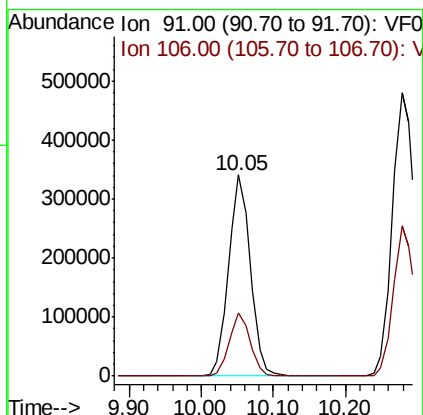
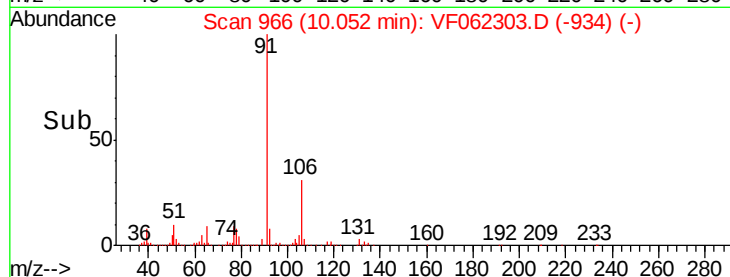
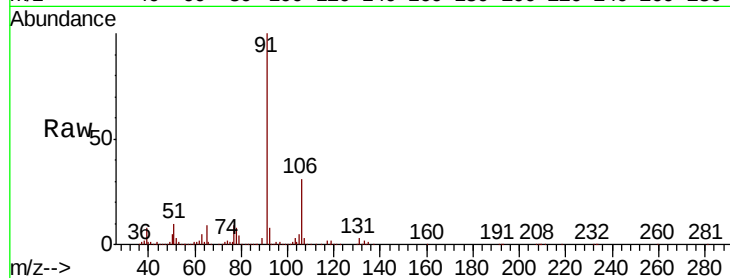
VSTDCCC050

Tot Ion: 91 Resp: 721805

Ion Ratio Lower Upper

91 100

106 31.3 25.6 38.4



#68

m/p-Xylenes

Concen: 104.298 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062303.D

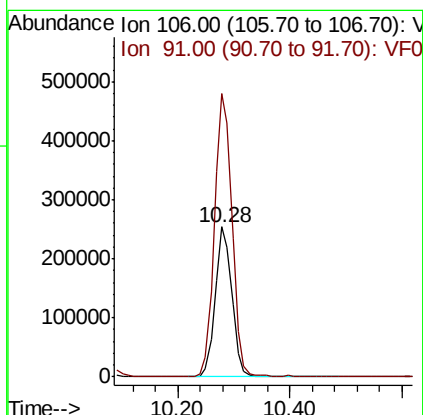
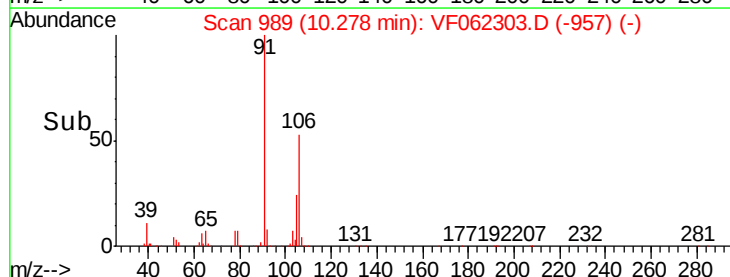
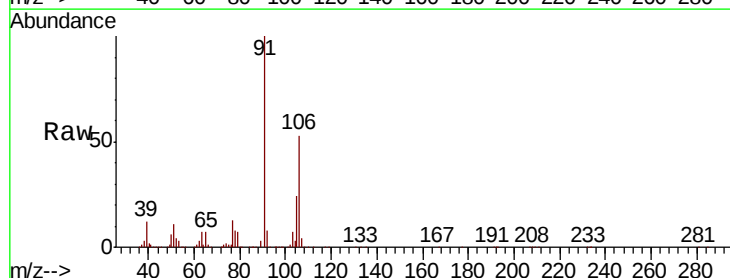
Acq: 26 Apr 2019 12:57

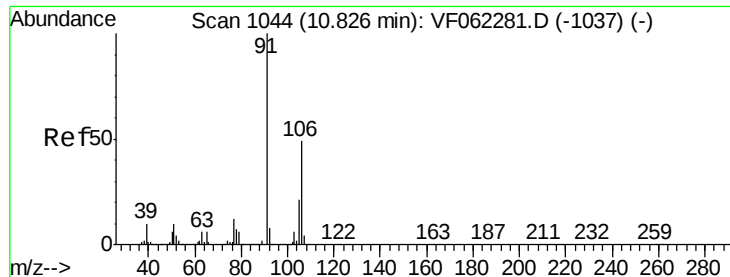
Tgt Ion: 106 Resp: 534089

Ion Ratio Lower Upper

106 100

91 197.1 158.3 237.5

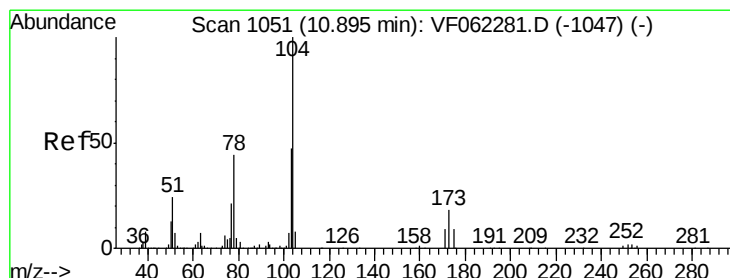
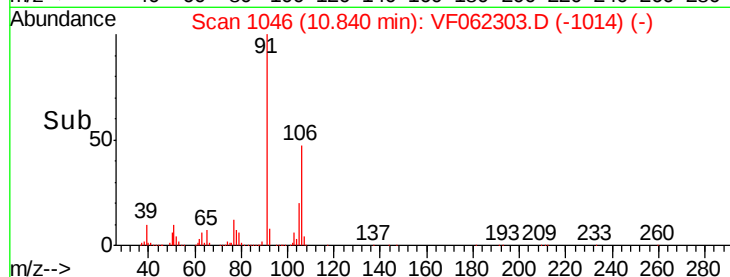
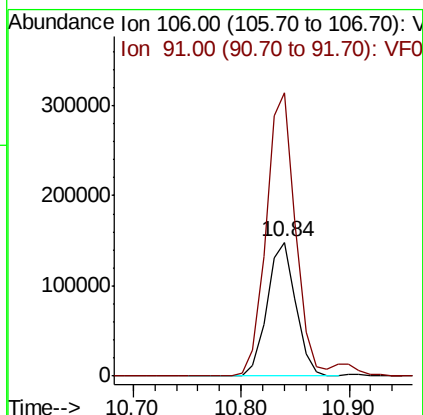
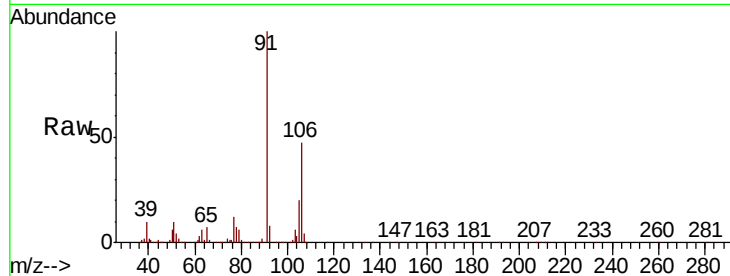




#69
o-Xylene
Concen: 48.363 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

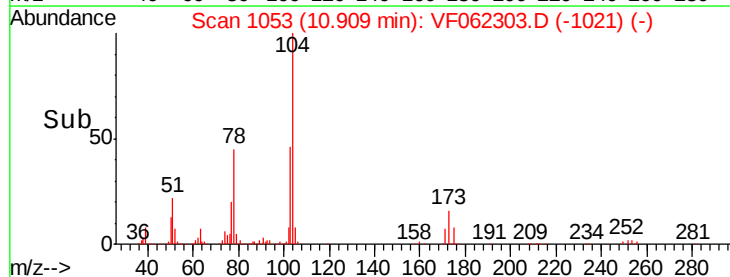
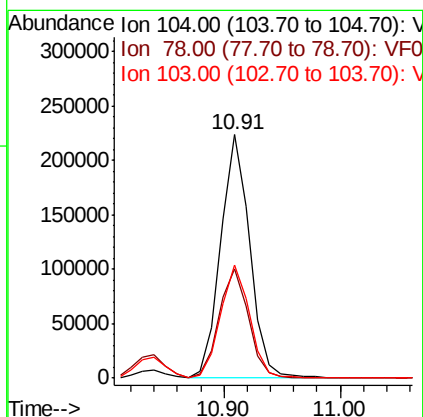
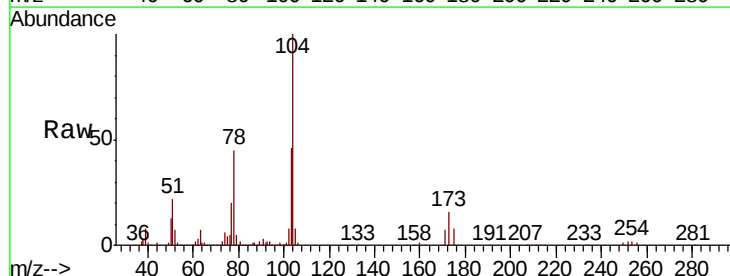
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

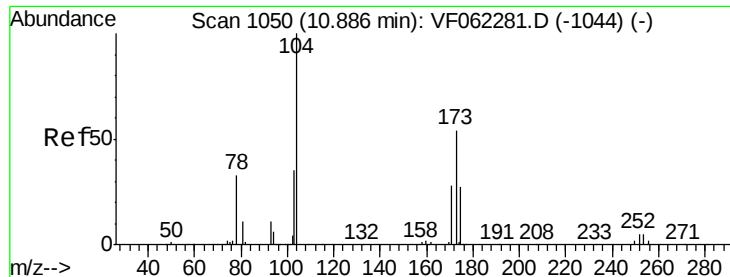
Tot Ion:106 Resp: 276687
Ion Ratio Lower Upper
106 100
91 214.9 110.0 330.0



#70
Styrene
Concen: 46.677 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion:104 Resp: 386039
Ion Ratio Lower Upper
104 100
78 45.4 35.9 53.9
103 47.4 37.5 56.3





#71

Bromoform

Concen: 49.688 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

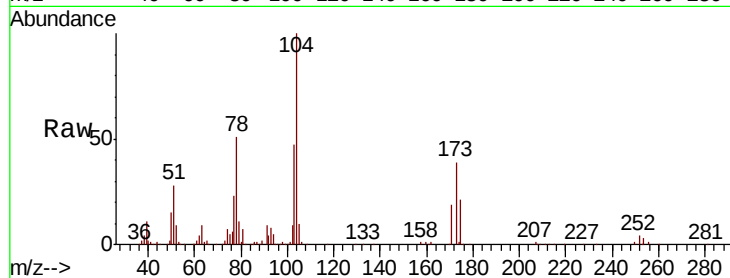
Tot Ion:173 Resp: 104227

Ion Ratio Lower Upper

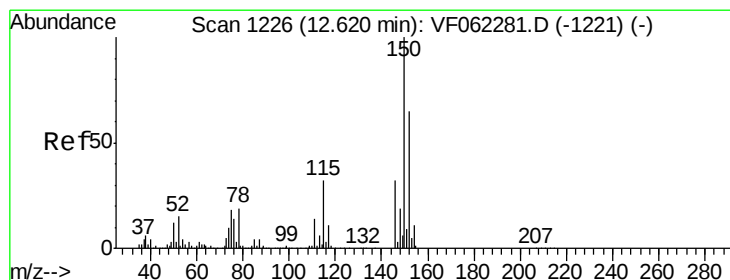
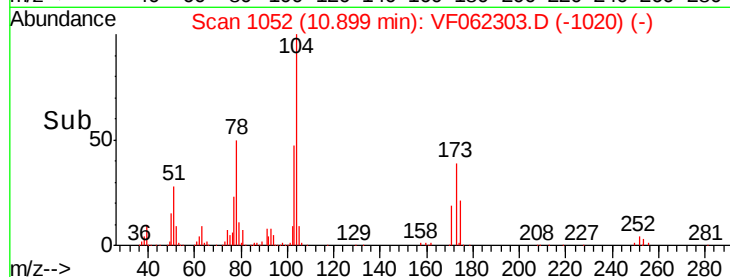
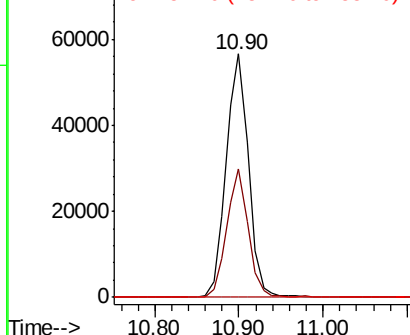
173 100

175 50.5 25.3 75.9

254 0.1 0.1 0.1#



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: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

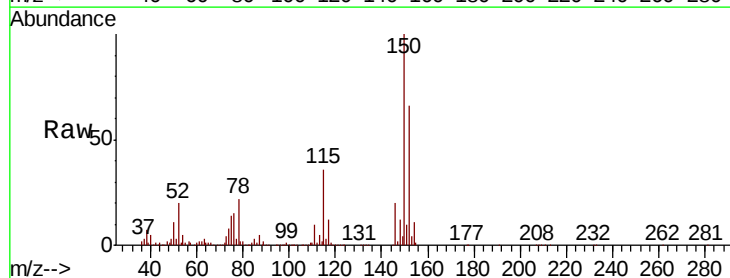
Tgt Ion:152 Resp: 230812

Ion Ratio Lower Upper

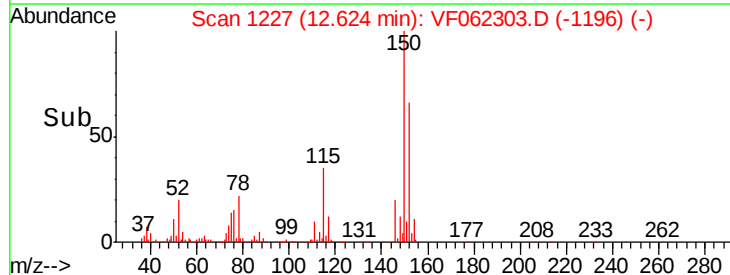
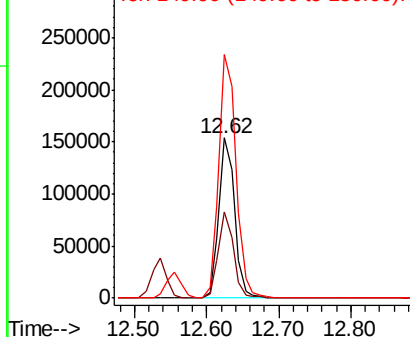
152 100

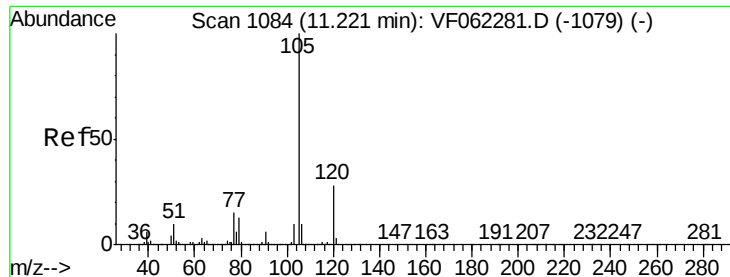
115 51.6 25.6 76.8

150 165.5 0.0 330.6



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: 52.795 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

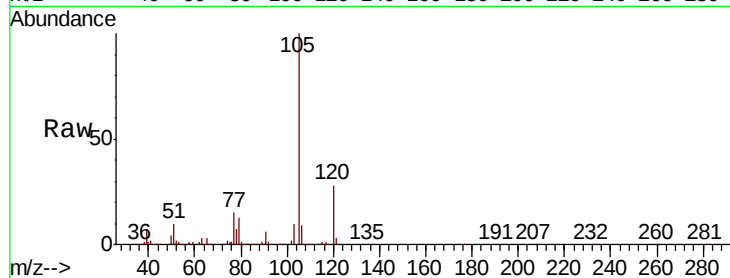
VSTDCCC050

Tot Ion: 105 Resp: 834891

Ion Ratio Lower Upper

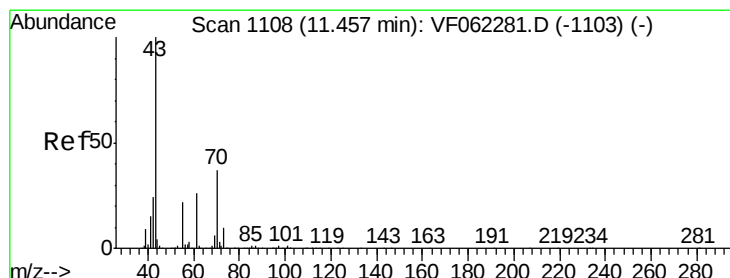
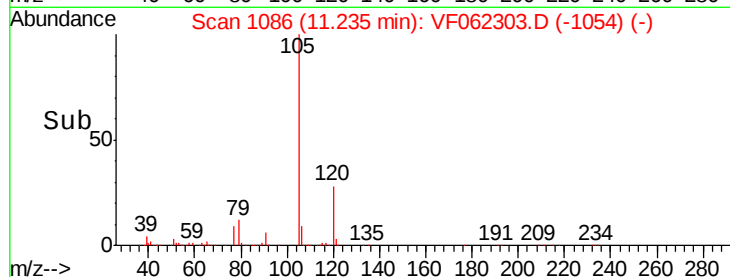
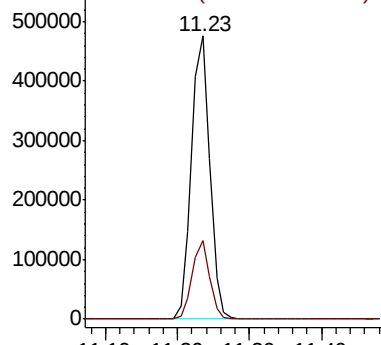
105 100

120 26.3 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.245 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion: 43 Resp: 153929

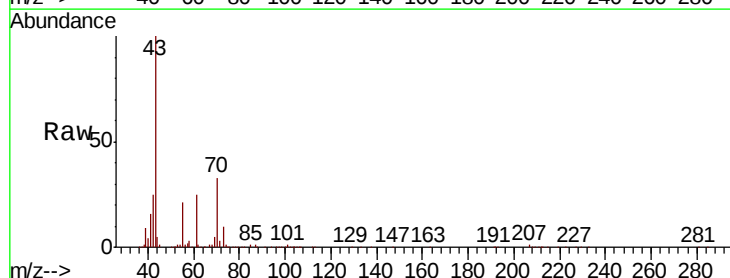
Ion Ratio Lower Upper

43 100

70 35.2 27.8 41.8

55 22.5 16.6 24.8

61 24.3 20.0 30.0

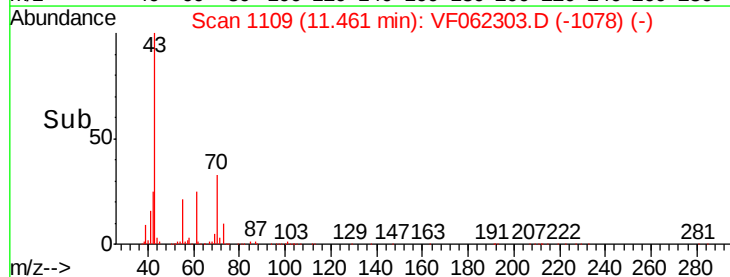
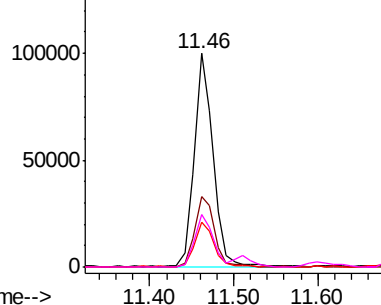


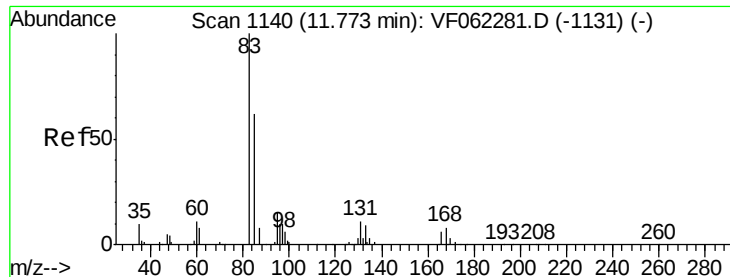
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.281 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

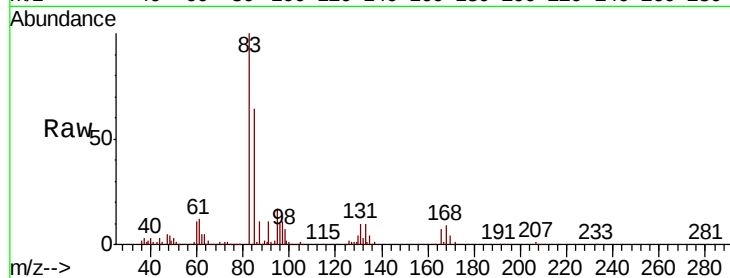
Tot Ion: 83 Resp: 128840

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.5

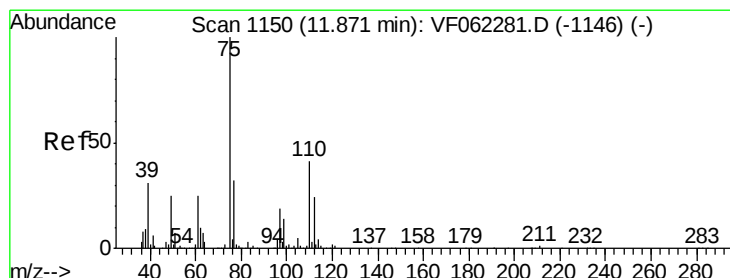
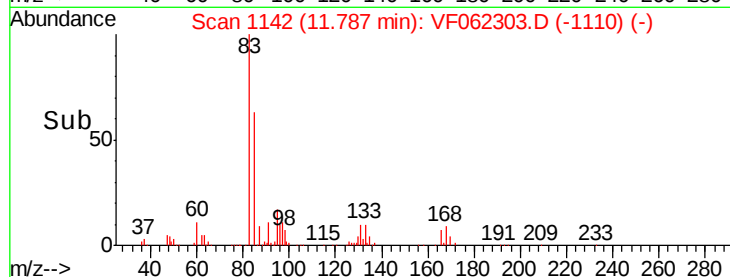
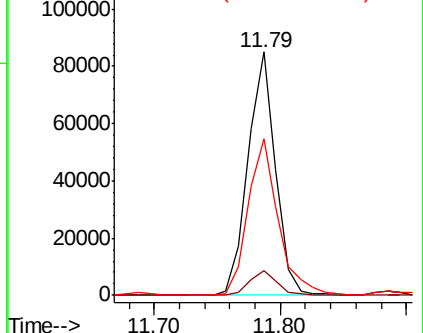
85 70.4 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 51.536 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF062303.D

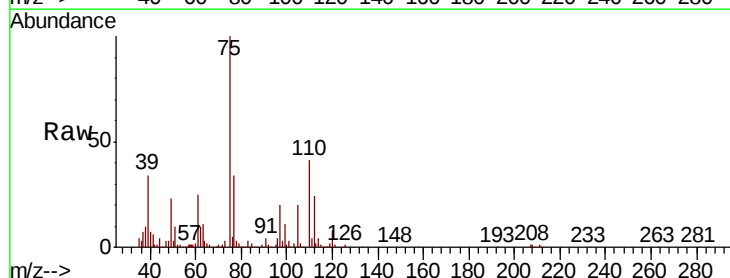
Acq: 26 Apr 2019 12:57

Tgt Ion: 75 Resp: 91867

Ion Ratio Lower Upper

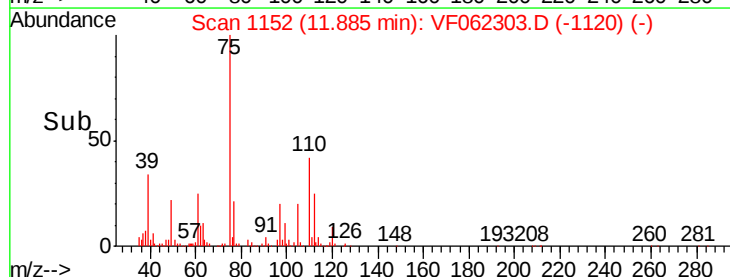
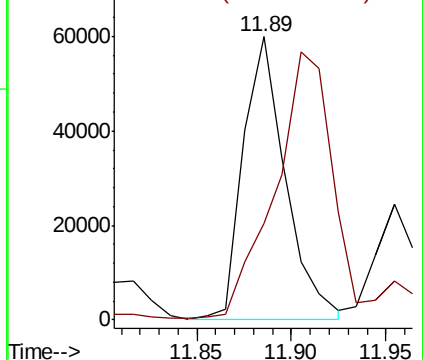
75 100

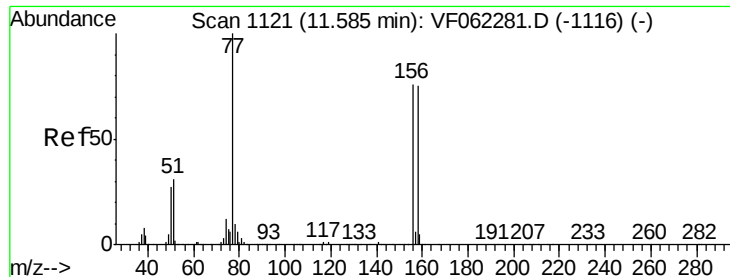
77 130.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.296 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

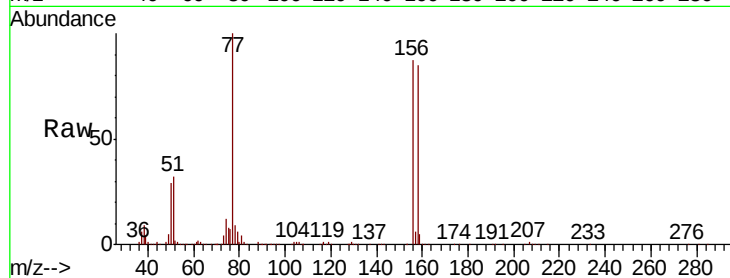
Tot Ion:156 Resp: 206746

Ion Ratio Lower Upper

156 100

77 130.0 67.3 201.9

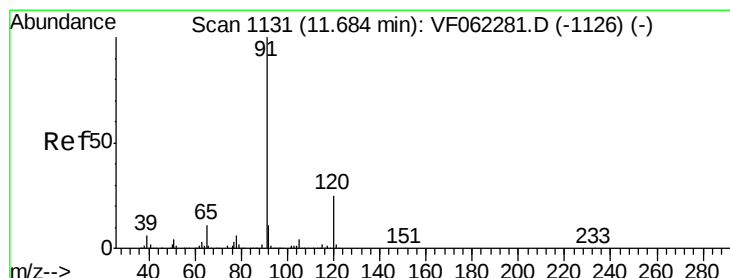
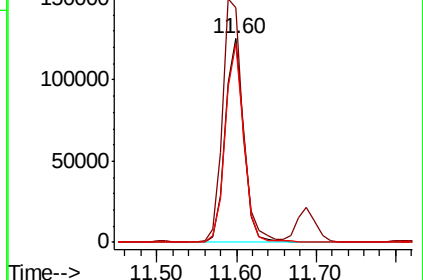
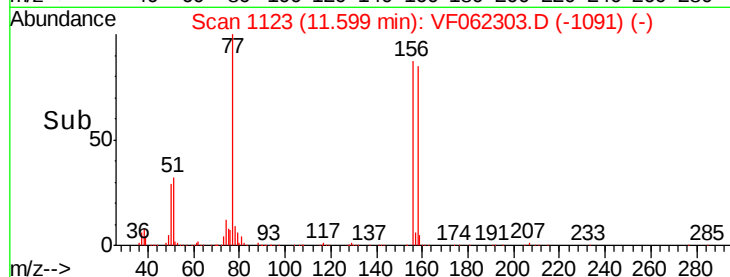
158 98.2 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.701 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062303.D

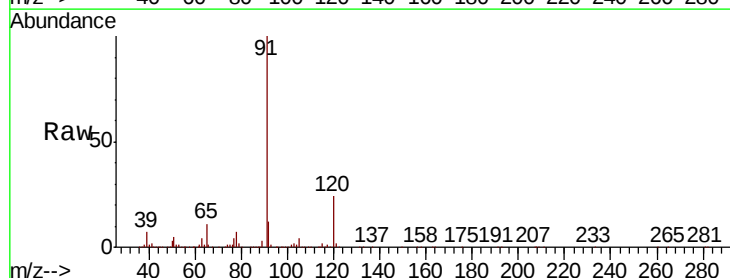
Acq: 26 Apr 2019 12:57

Tgt Ion: 91 Resp: 827013

Ion Ratio Lower Upper

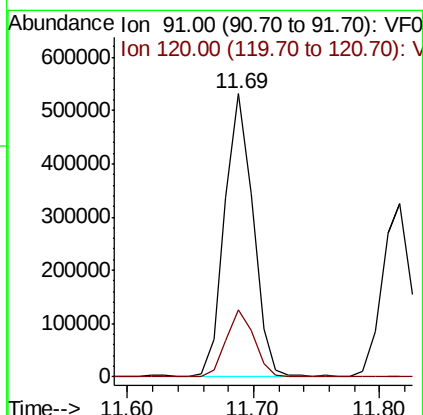
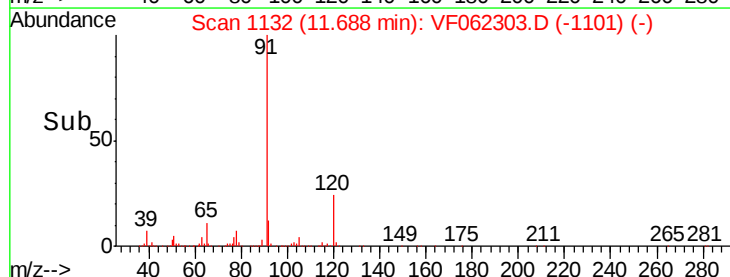
91 100

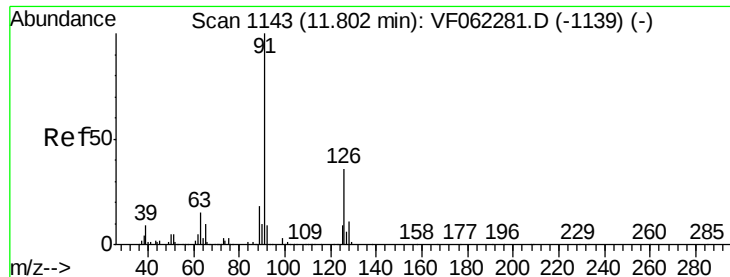
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.098 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

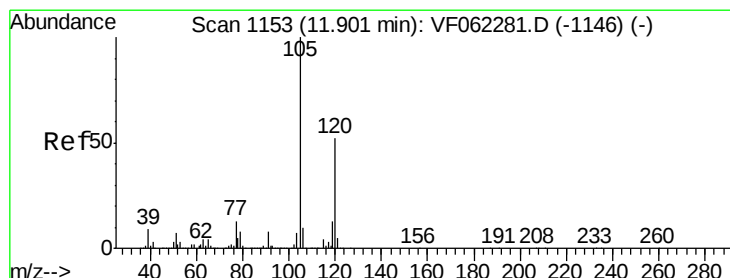
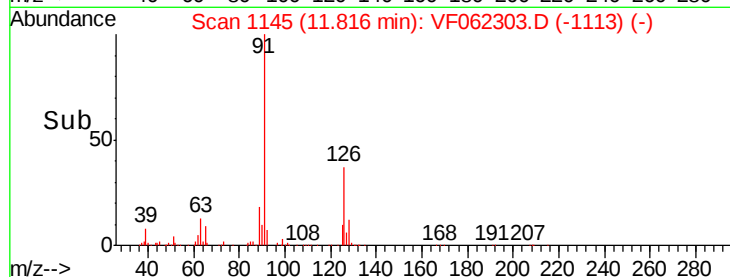
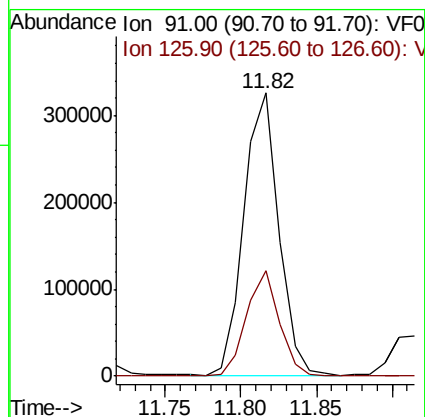
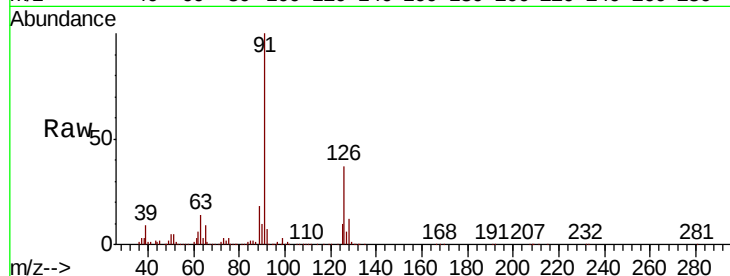
VSTDCCC050

Tot Ion: 91 Resp: 522171

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 53.688 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF062303.D

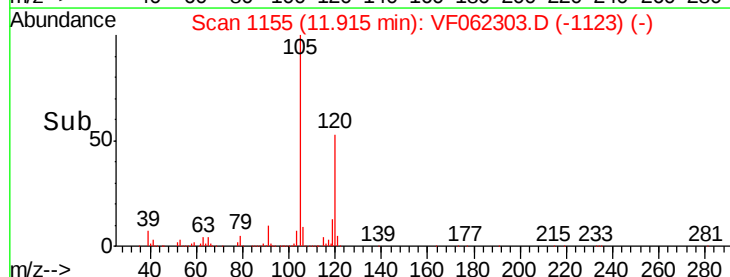
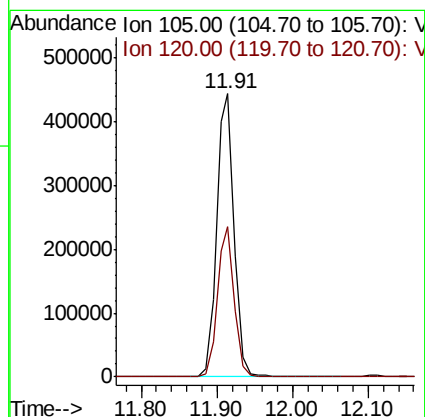
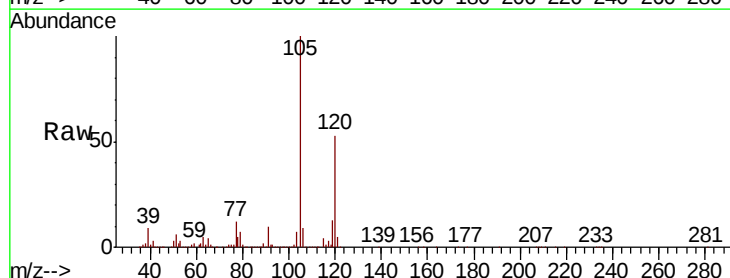
Acq: 26 Apr 2019 12:57

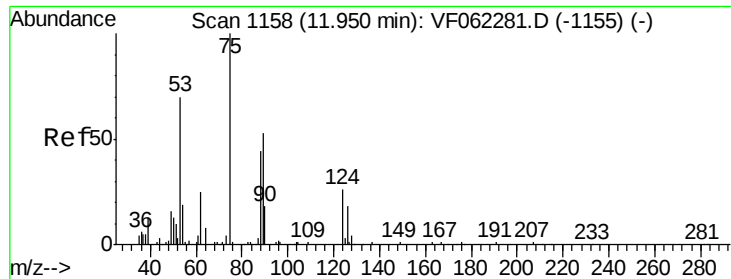
Tgt Ion:105 Resp: 716744

Ion Ratio Lower Upper

105 100

120 51.0 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.299 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

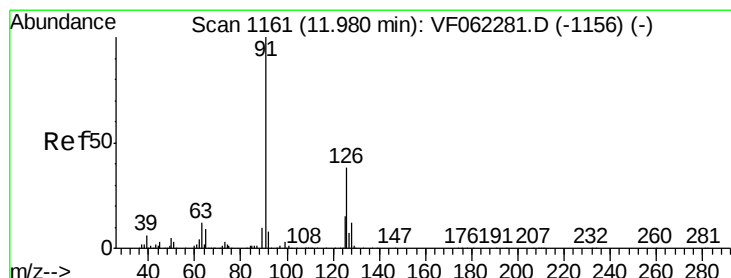
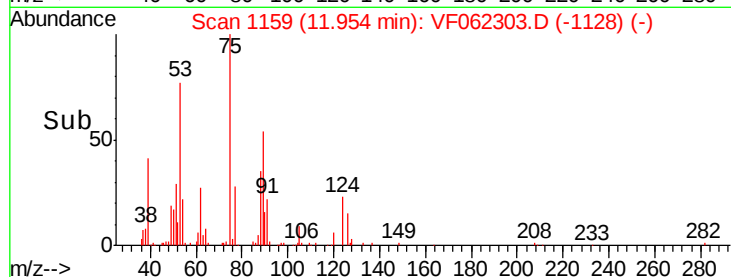
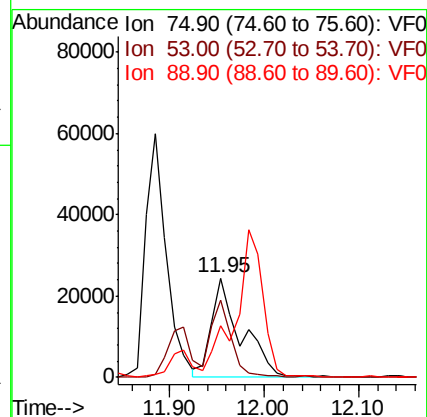
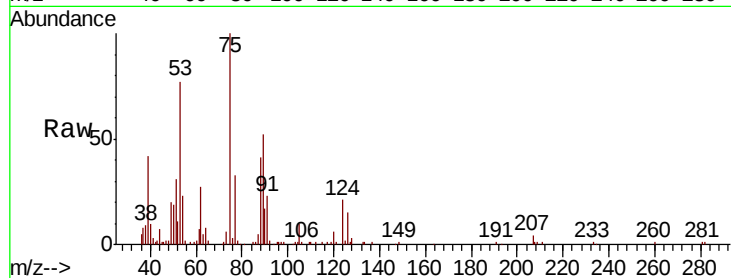
Tot Ion: 75 Resp: 52827

Ion Ratio Lower Upper

75 100

53 55.2 67.1 100.7#

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 50.624 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062303.D

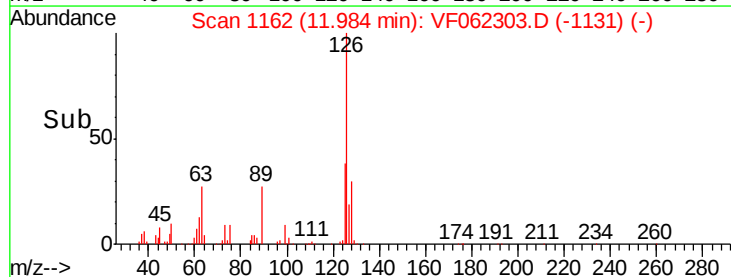
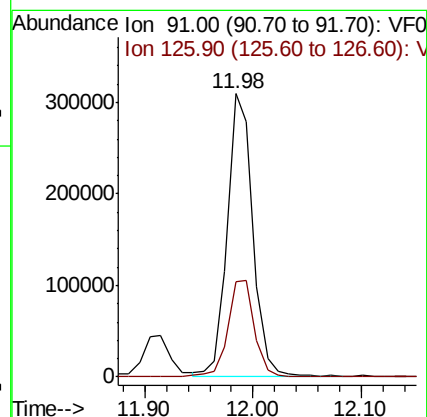
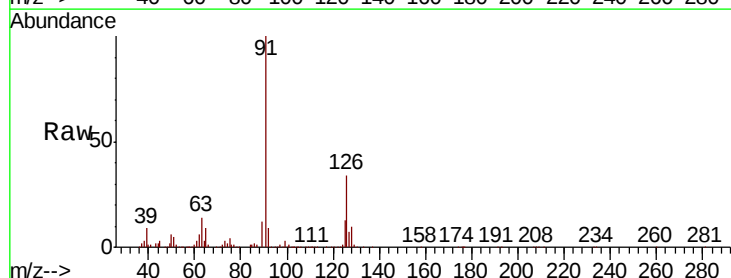
Acq: 26 Apr 2019 12:57

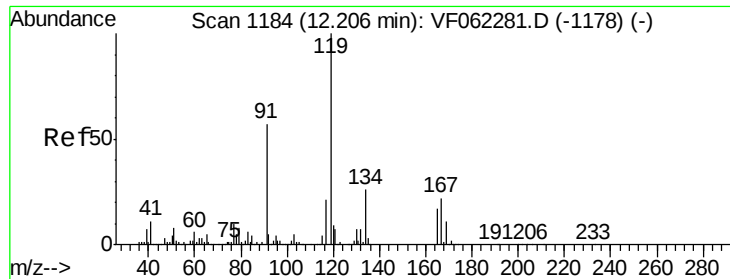
Tgt Ion: 91 Resp: 502068

Ion Ratio Lower Upper

91 100

126 36.5 17.3 52.0

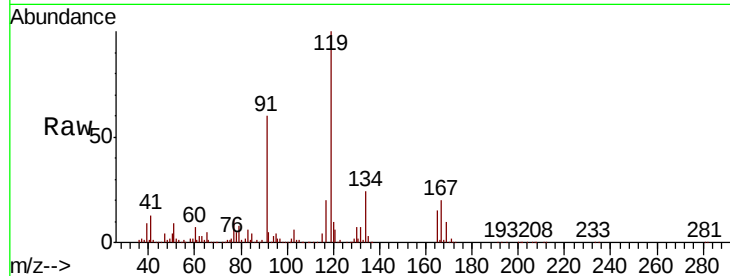




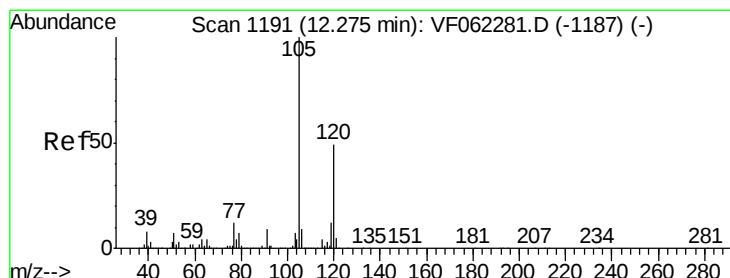
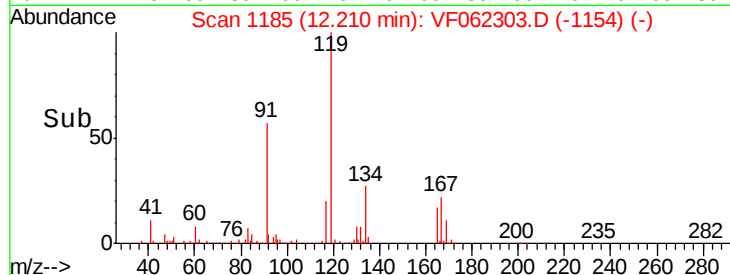
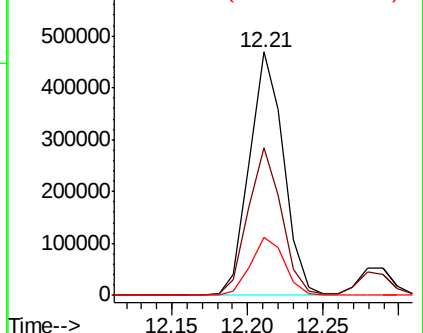
#83
 tert-Butylbenzene
 Concen: 54.016 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 740056
 Ion Ratio Lower Upper
 119 100
 91 59.0 29.4 88.2
 134 23.6 11.9 35.7

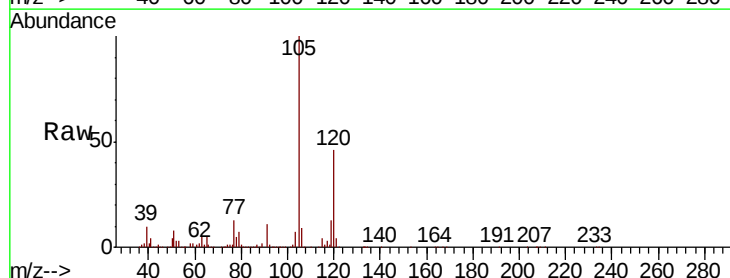


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

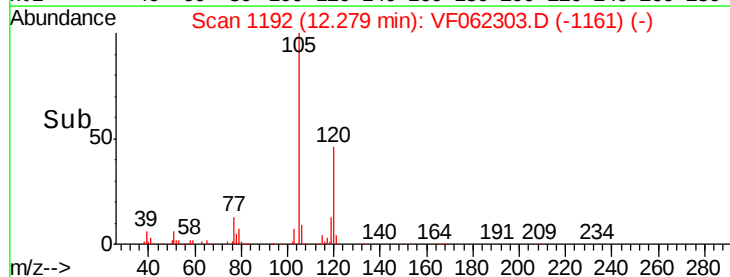
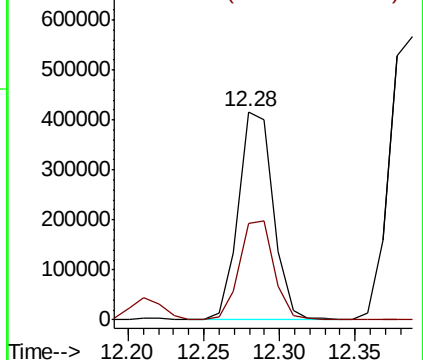


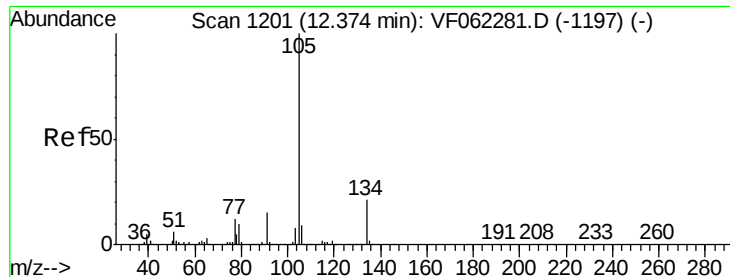
#84
 1,2,4-Trimethylbenzene
 Concen: 51.507 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion:105 Resp: 665977
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.2



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





#85

sec-Butylbenzene

Concen: 53.708 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

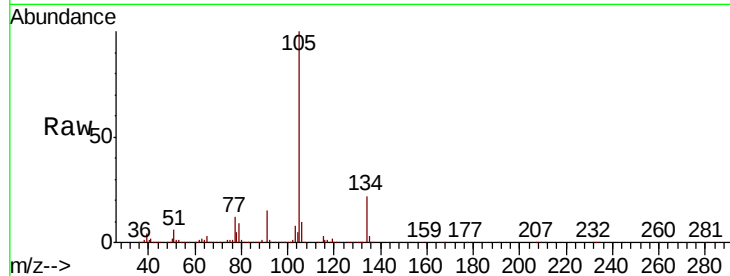
VSTDCCC050

Tot Ion:105 Resp: 916504

Ion Ratio Lower Upper

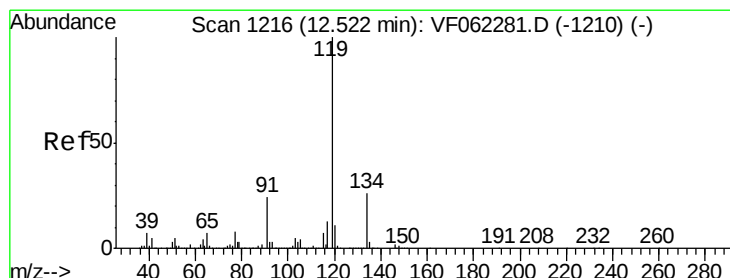
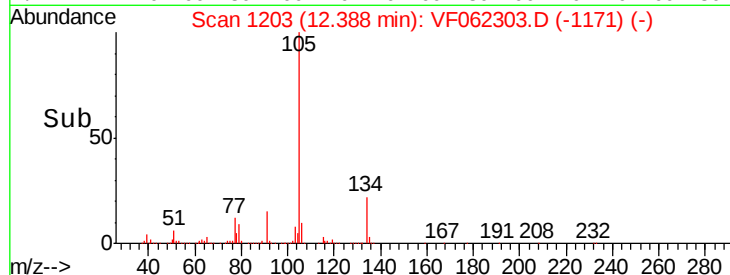
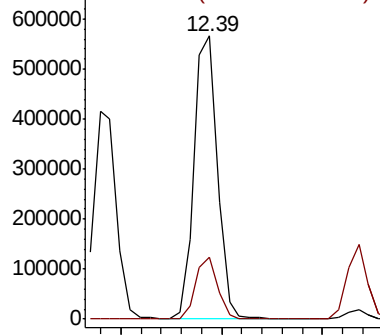
105 100

134 20.5 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.723 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

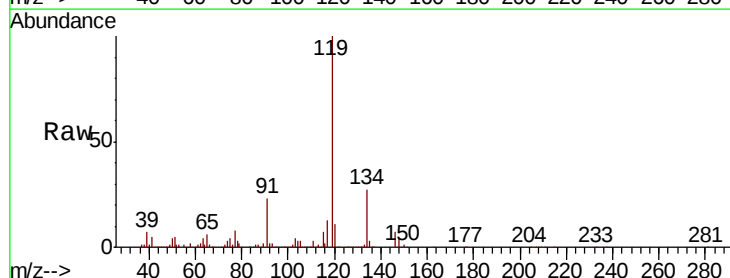
Tgt Ion:119 Resp: 806621

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

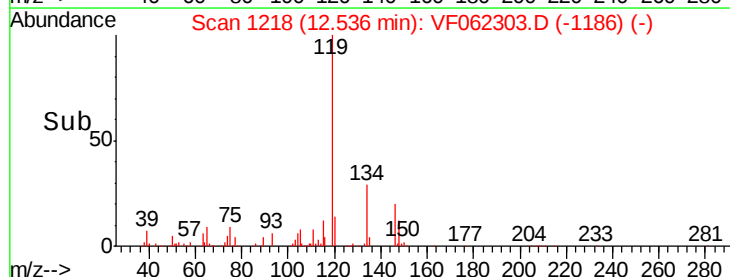
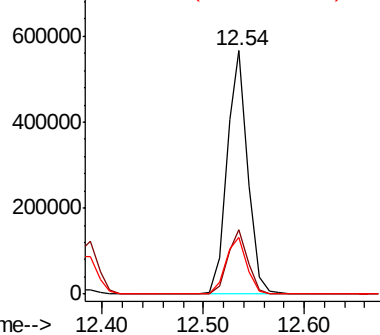
91 23.9 11.6 34.7

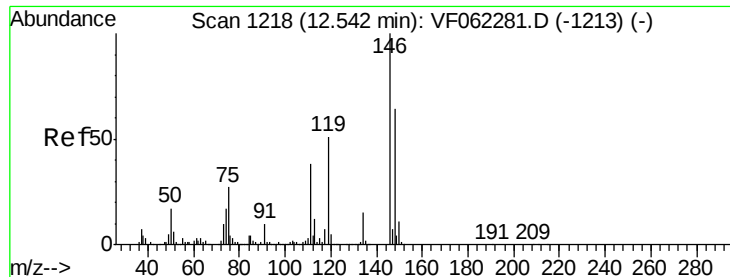


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

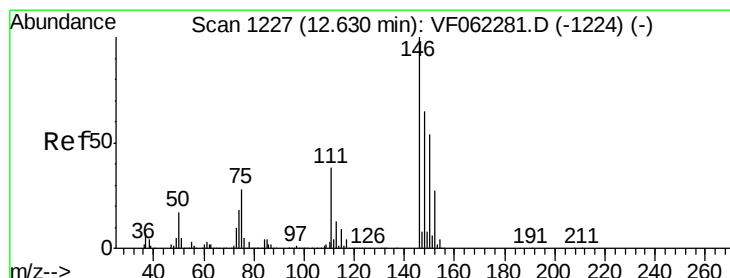
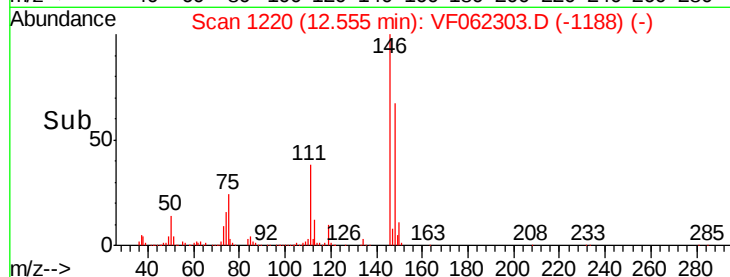
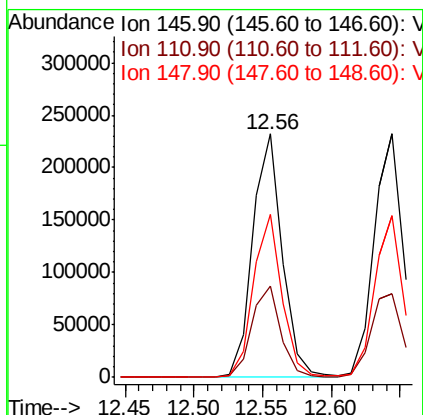
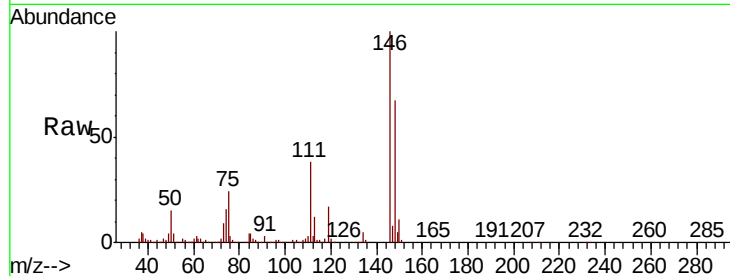




#87
 1,3-Dichlorobenzene
 Concen: 49.827 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

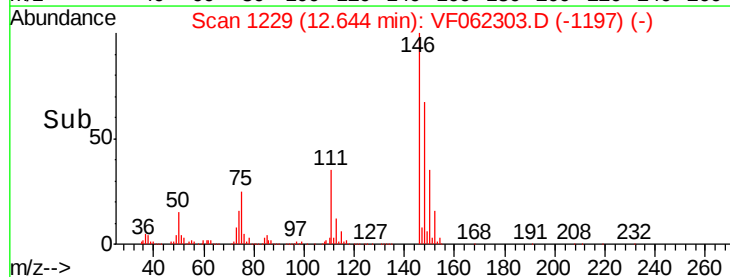
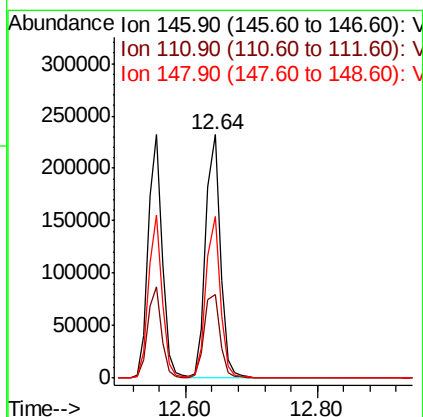
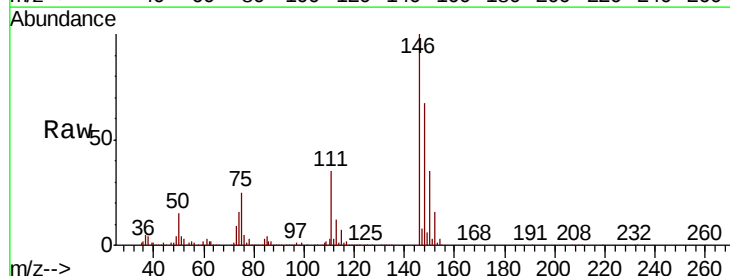
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

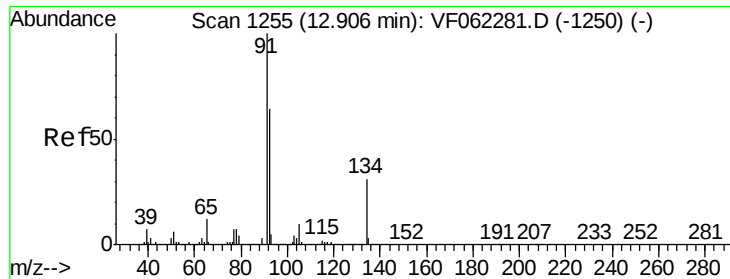
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	65.0	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 52.996 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	56.0
148	63.7	32.5	97.5

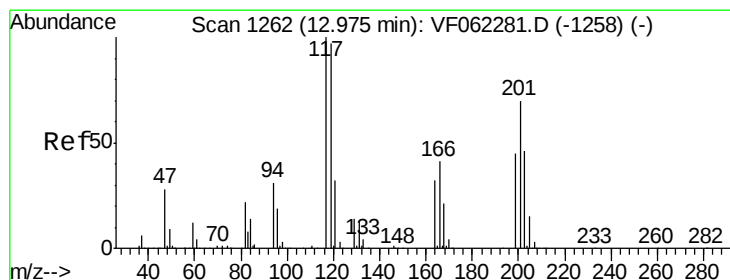
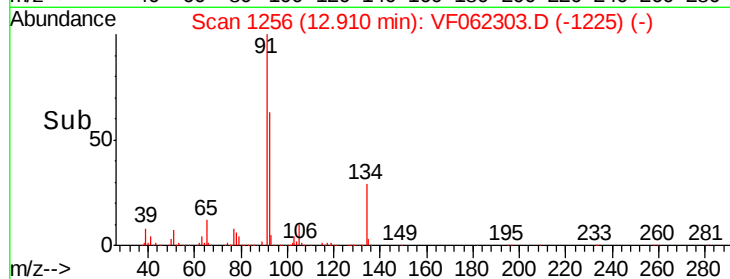
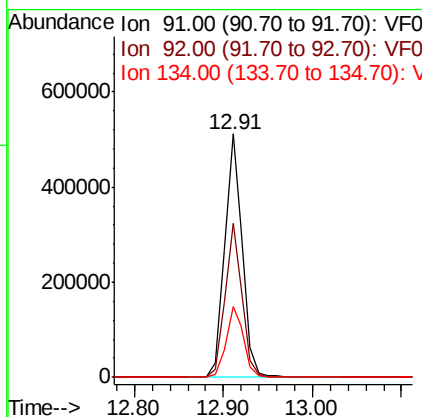
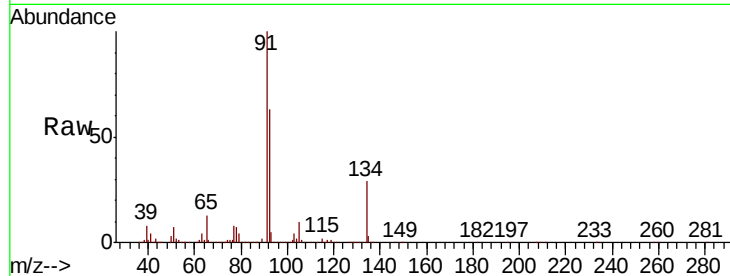




#89
n-Butylbenzene
Concen: 51.213 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

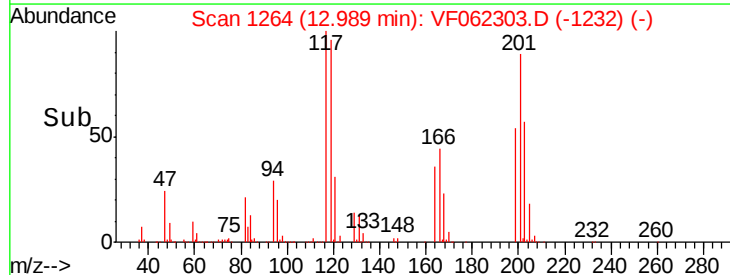
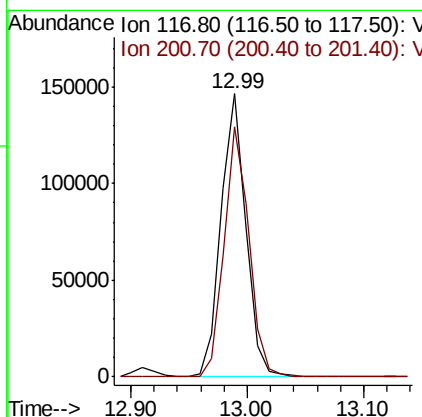
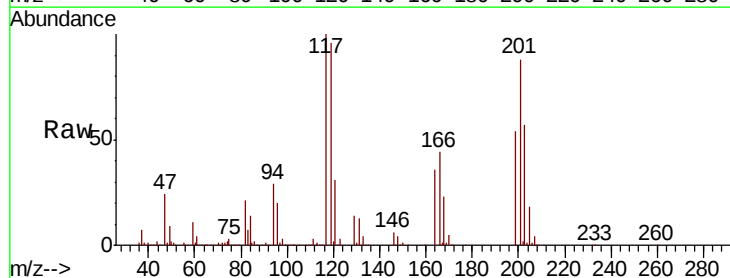
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

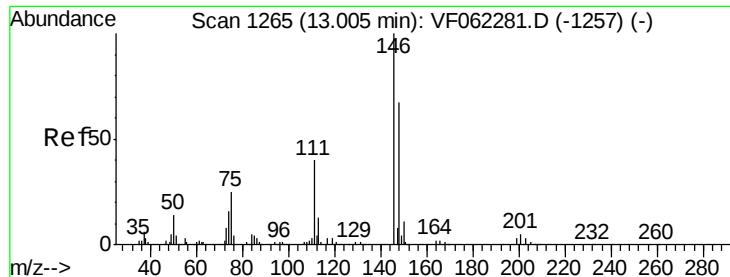
Tot Ion	Ratio	Lower	Upper
91	100		
92	61.1	31.1	93.3
134	28.9	14.4	43.4



#90
Hexachloroethane
Concen: 56.396 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	42.9	128.5





#91

1,2-Dichlorobenzene

Concen: 50.932 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

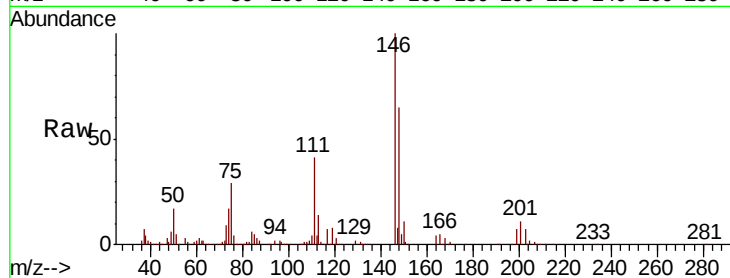
Tot Ion:146 Resp: 341940

Ion Ratio Lower Upper

146 100

111 39.5 20.0 59.9

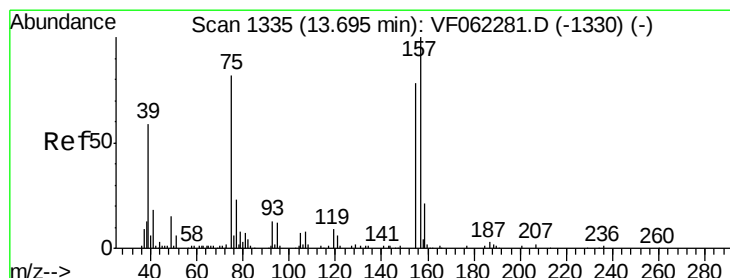
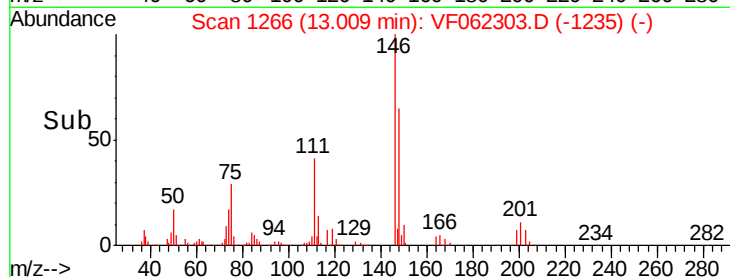
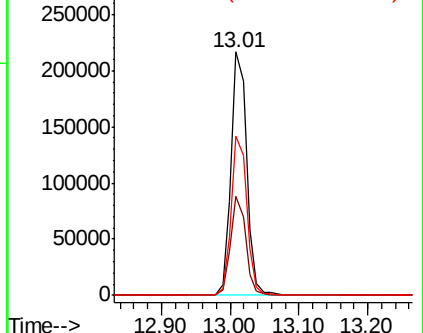
148 65.0 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.529 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

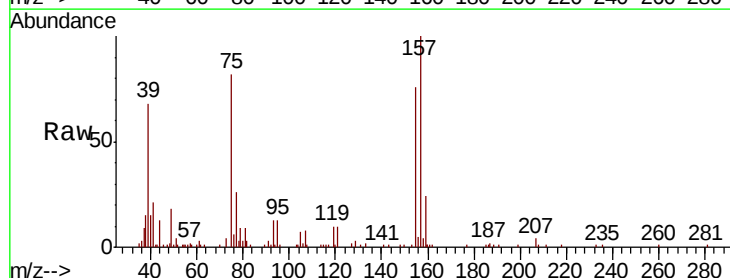
Tgt Ion: 75 Resp: 26624

Ion Ratio Lower Upper

75 100

155 107.0 51.7 155.2

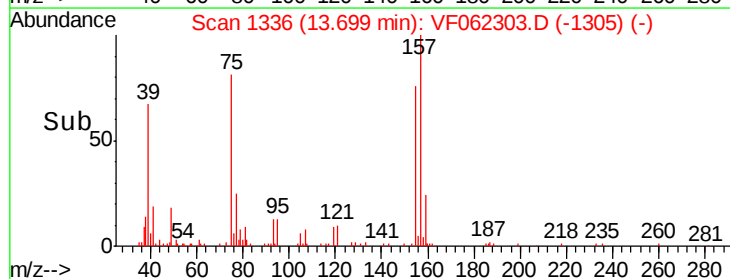
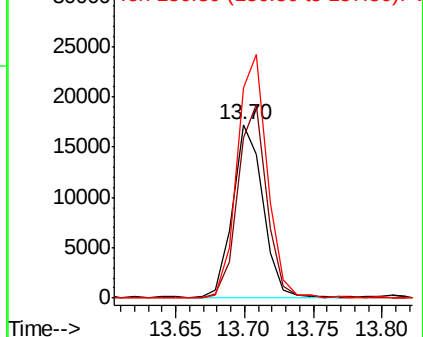
157 139.1 64.5 193.5

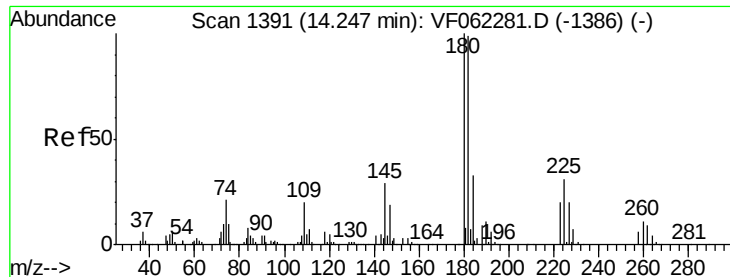


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

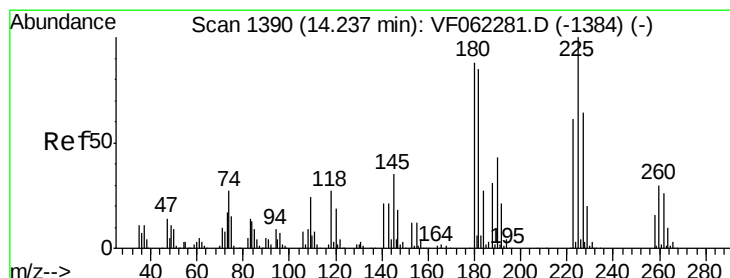
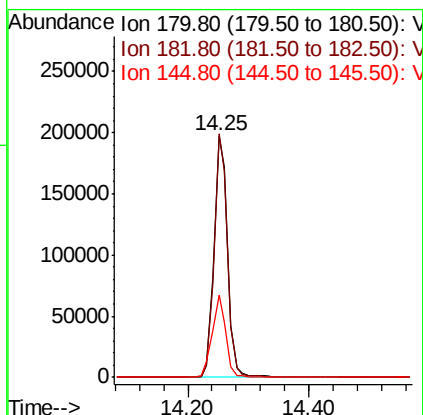
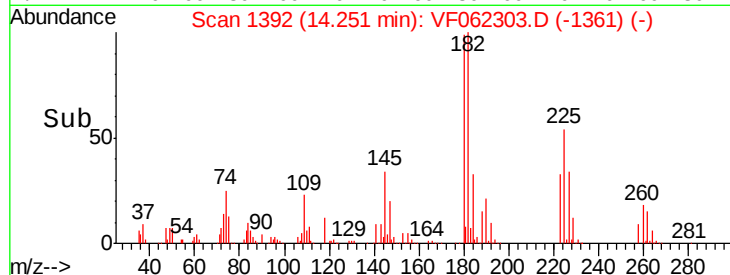
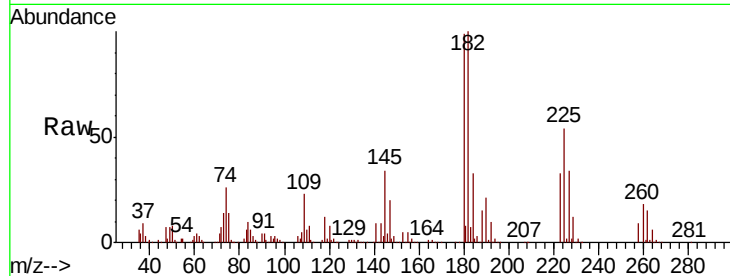




#93
 1,2,4-Trichlorobenzene
 Concen: 52.340 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

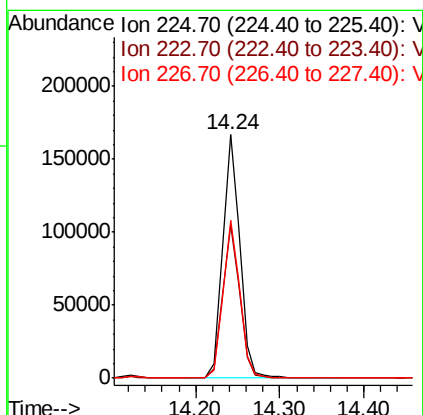
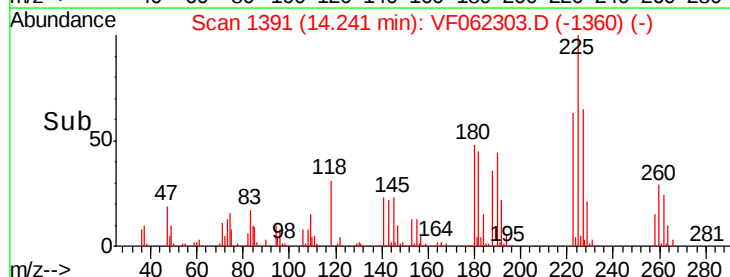
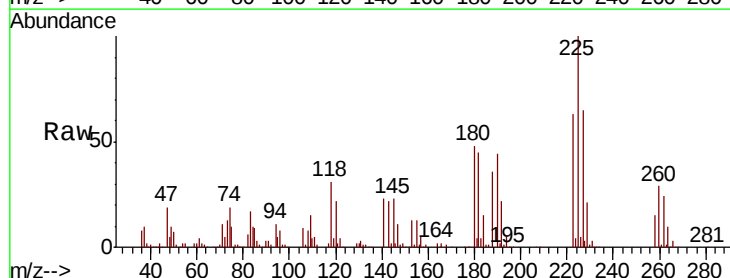
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

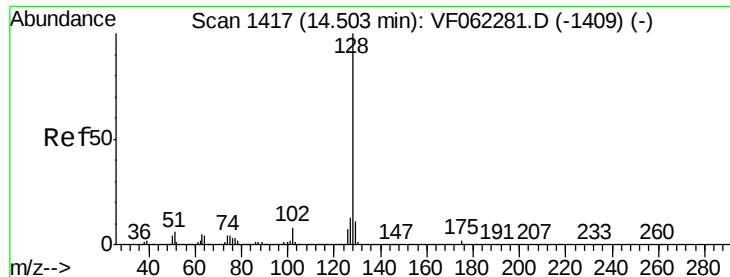
Tot Ion:180 Resp: 308704
 Ion Ratio Lower Upper
 180 100
 182 98.3 48.5 145.6
 145 34.3 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 55.361 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion:225 Resp: 234827
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.8 92.3
 227 64.1 31.9 95.5

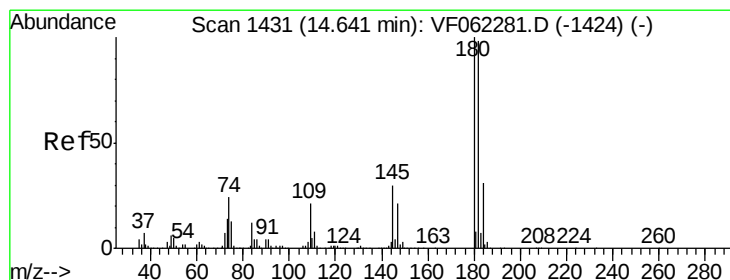
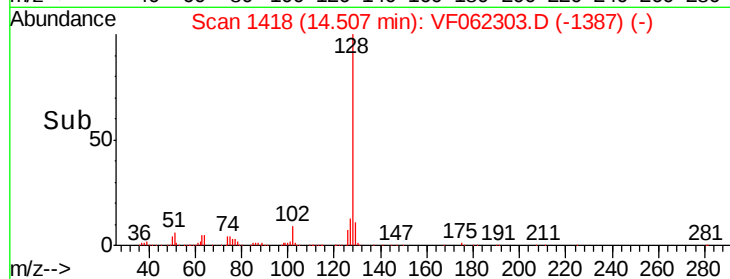
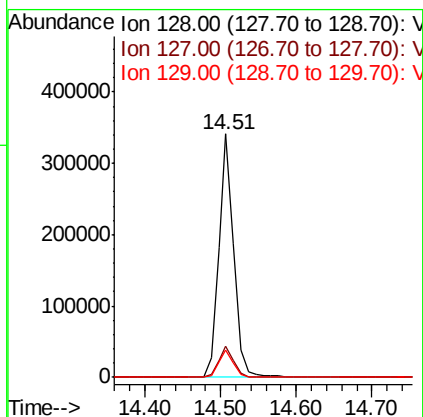
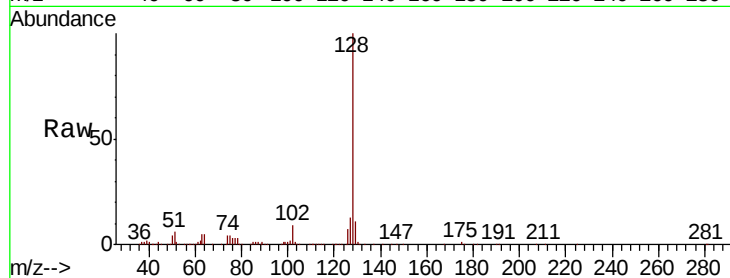




#95
Naphthalene
Concen: 51.944 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 474639
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 54.963 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion:180 Resp: 306597
Ion Ratio Lower Upper
180 100
182 99.4 49.0 147.2
145 29.7 14.5 43.5

