

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF0612CC.D
 Acq On : 27 Dec 2018 22:26
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 27 23:52:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	183576	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	323038	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	291213	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	139018	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	108207	45.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	4.10	113	115596	44.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.34%	
50) Toluene-d8	7.53	98	326473	44.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.04%	
62) 4-Bromofluorobenzene	11.40	95	147326	43.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	188308	46.145	ug/l	96
3) Chloromethane	1.10	50	128368	54.916	ug/l	96
4) Vinyl Chloride	1.14	62	114430	52.771	ug/l	90
5) Bromomethane	1.33	94	75432	50.153	ug/l	97
6) Chloroethane	1.39	64	49917	49.959	ug/l	99
7) Trichlorofluoromethane	1.48	101	145472	35.135	ug/l	100
8) Diethyl Ether	1.62	74	31438	55.449	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	110908	51.664	ug/l	94
10) Methyl Iodide	1.90	142	139865	41.332	ug/l	94
11) Tert butyl alcohol	2.56	59	25016	262.552	ug/l	94
12) 1,1-Dichloroethene	1.79	96	87497	54.070	ug/l	91
13) Acrolein	2.00	56	19091	277.288	ug/l #	79
14) Allyl chloride	2.09	41	107168	63.638	ug/l	90
15) Acrylonitrile	2.92	53	64940	294.746	ug/l	98
16) Acetone	2.23	43	94011	199.171	ug/l	98
17) Carbon Disulfide	1.83	76	184876	37.805	ug/l	97
18) Methyl Acetate	2.33	43	53468	54.752	ug/l	94
19) Methyl tert-butyl Ether	2.41	73	185903	51.756	ug/l	100
20) Methylene Chloride	2.23	84	60076	38.826	ug/l	92
21) trans-1,2-Dichloroethene	2.29	96	77060	44.523	ug/l	94
22) Diisopropyl ether	2.79	45	311941	55.609	ug/l	95
23) Vinyl Acetate	3.17	43	698808	270.040	ug/l	98
24) 1,1-Dichloroethane	2.86	63	181017	54.464	ug/l	99
25) 2-Butanone	4.32	43	189474	247.513	ug/l	97
26) 2,2-Dichloropropane	3.58	77	98088	51.426	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	143740	54.248	ug/l	97
28) Bromochloromethane	3.69	49	94163	55.837	ug/l	88
29) Tetrahydrofuran	4.06	42	82969	266.292	ug/l	99
30) Chloroform	3.84	83	256222	51.414	ug/l	99
31) Cyclohexane	3.67	56	108009	31.318	ug/l	100
32) 1,1,1-Trichloroethane	4.07	97	174472	58.410	ug/l	96
36) 1,1-Dichloropropene	4.26	75	187548	48.098	ug/l	97
37) Ethyl Acetate	4.09	43	81960	55.015	ug/l #	81
38) Carbon Tetrachloride	3.97	117	148398	49.975	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	203710	58.233	ug/l	98
40) Benzene	4.61	78	425082	50.693	ug/l	96
41) Methacrylonitrile	4.72	41	42926	52.127	ug/l #	90
42) 1,2-Dichloroethane	4.92	62	156769	49.214	ug/l	98
43) Isopropyl Acetate	6.94	43	97657	51.869	ug/l #	98
44) Trichloroethene	5.49	130	129761	49.083	ug/l	97
45) 1,2-Dichloropropane	6.22	63	120258	52.712	ug/l	93
46) Dibromomethane	6.07	93	77227	52.191	ug/l	97
47) Bromodichloromethane	6.37	83	195642	50.887	ug/l	99
48) Methyl methacrylate	6.70	41	77000	58.583	ug/l	96
49) 1,4-Dioxane	6.69	88	10746	1126.759	ug/l #	62
51) 4-Methyl-2-Pentanone	8.24	43	322667	249.888	ug/l	99
52) Toluene	7.61	92	258566	46.582	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	145868	47.032	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	195632	50.257	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	88616	53.254	ug/l	98
56) Ethyl methacrylate	8.61	69	93729	52.054	ug/l	97
57) 1,3-Dichloropropane	8.83	76	155812	51.772	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	65340	188.943	ug/l	94
59) 2-Hexanone	9.47	43	229766	246.055	ug/l	97
60) Dibromochloromethane	8.70	129	121420	50.903	ug/l	91
61) 1,2-Dibromoethane	8.97	107	93116	52.396	ug/l	96
64) Tetrachloroethene	8.13	164	111785	49.900	ug/l	98
65) Chlorobenzene	9.78	112	304291	50.580	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.91	131	122609	49.871	ug/l	99
67) Ethyl Benzene	9.88	91	558833	50.988	ug/l	98
68) m/p-Xylenes	10.12	106	374962	97.213	ug/l	100
69) o-Xylene	10.70	106	221606	51.803	ug/l	92
70) Styrene	10.78	104	289593	56.156	ug/l	99
71) Bromoform	10.76	173	57500	50.553	ug/l #	99
73) Isopropylbenzene	11.11	105	638917	53.332	ug/l	100
74) N-amyl acetate	11.36	43	150943	56.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	109386	55.016	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	80559	54.444	ug/l	92
77) Bromobenzene	11.48	156	130799	50.720	ug/l	99
78) n-propylbenzene	11.59	91	709696	51.853	ug/l	96
79) 2-Chlorotoluene	11.70	91	415320	50.536	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	491479	49.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	51071	80.322	ug/l #	84
82) 4-Chlorotoluene	11.88	91	429095	50.473	ug/l	97
83) tert-Butylbenzene	12.12	119	528869	52.101	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	494875	50.307	ug/l	97
85) sec-Butylbenzene	12.30	105	710494	53.634	ug/l	98
86) p-Isopropyltoluene	12.44	119	576727	52.451	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	238587	57.497	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	241975	51.099	ug/l	99
89) n-Butylbenzene	12.83	91	581355	53.128	ug/l	97
90) Hexachloroethane	12.91	117	144679	53.257	ug/l	80
91) 1,2-Dichlorobenzene	12.93	146	236606	51.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	20909	57.308	ug/l	80

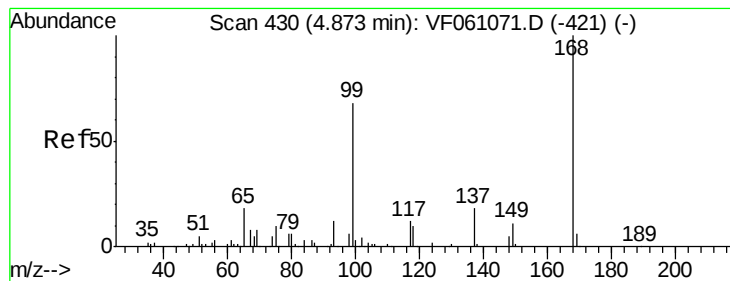
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	159089	48.657	ug/l	94
94) Hexachlorobutadiene	14.18	225	104836	50.342	ug/l	96
95) Naphthalene	14.45	128	313453	52.501	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	157646	52.155	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

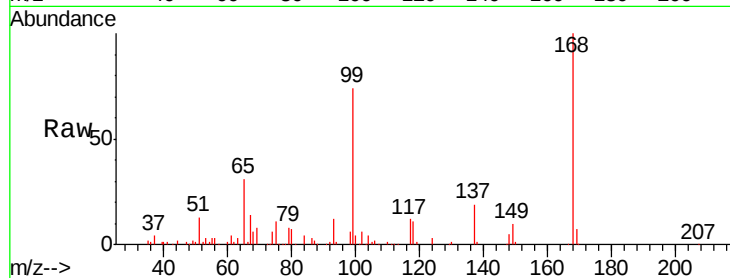
VSTDCCC050EC

Tgt Ion:168 Resp: 183576

Ion Ratio Lower Upper

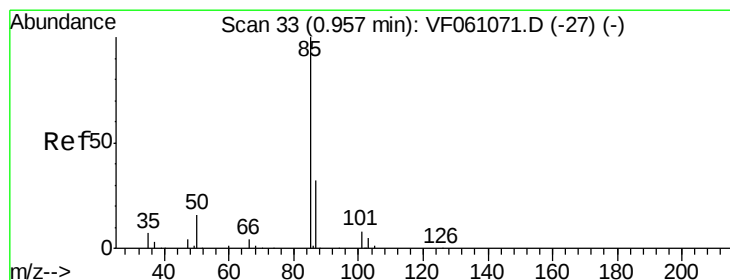
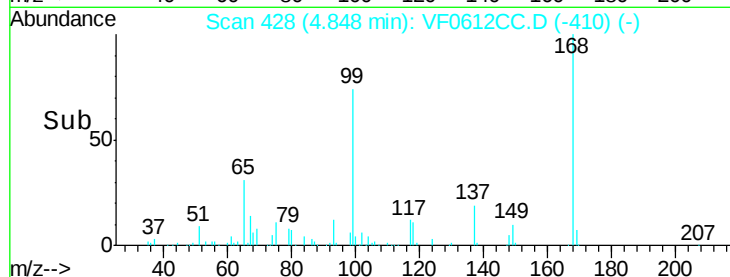
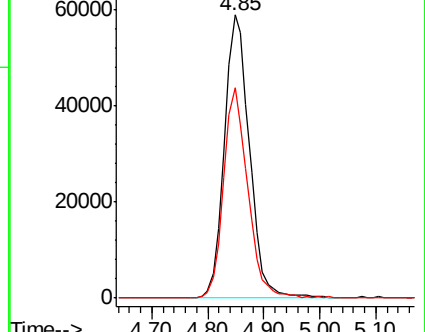
168 100

99 74.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.145 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF0612CC.D

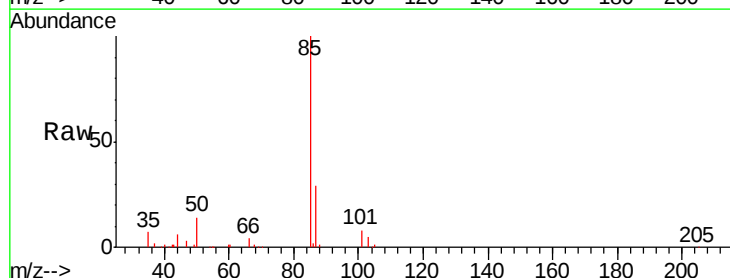
Acq: 27 Dec 2018 22:26

Tgt Ion: 85 Resp: 188308

Ion Ratio Lower Upper

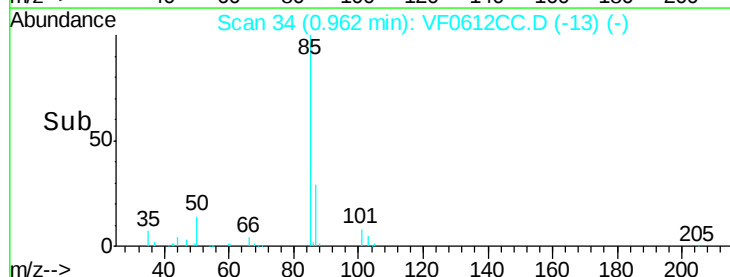
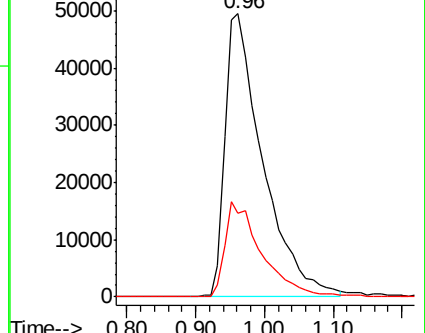
85 100

87 29.4 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 54.916 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

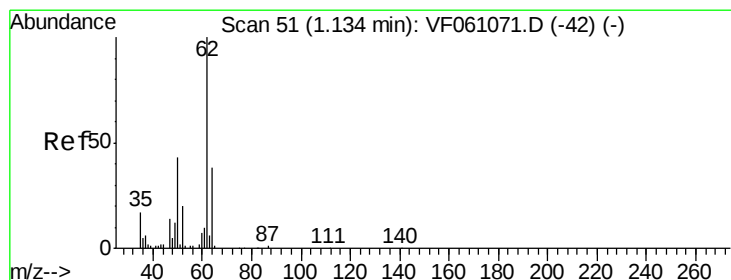
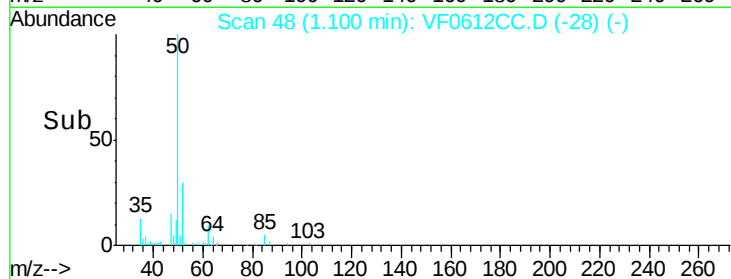
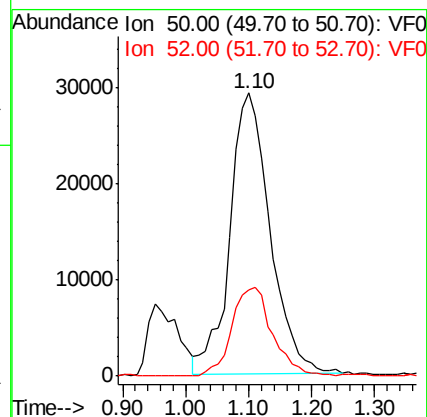
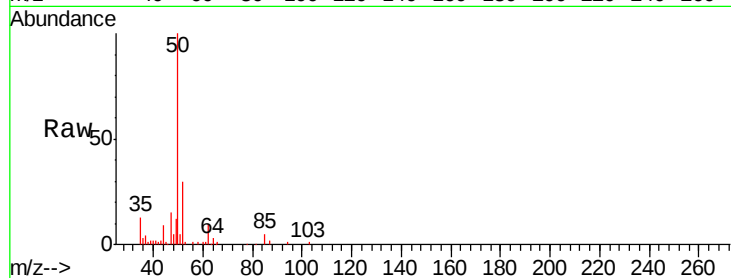
VSTDCCC050EC

Tgt Ion: 50 Resp: 128368

Ion Ratio Lower Upper

50 100

52 30.4 26.3 39.5



#4

Vinyl Chloride

Concen: 52.771 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF0612CC.D

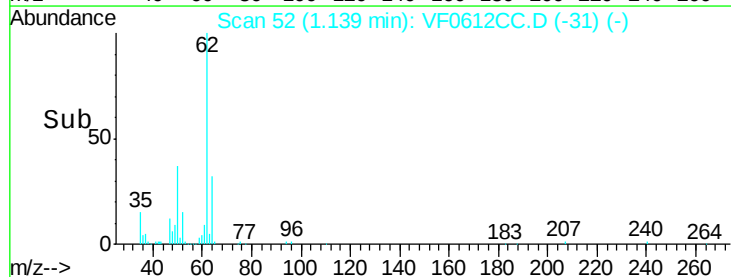
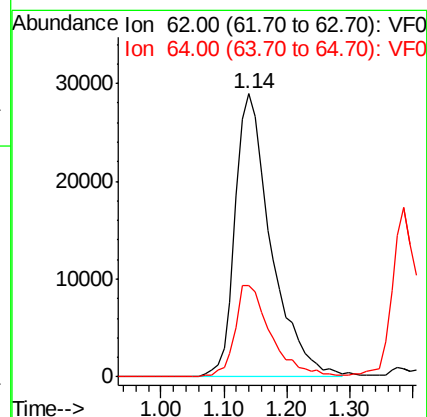
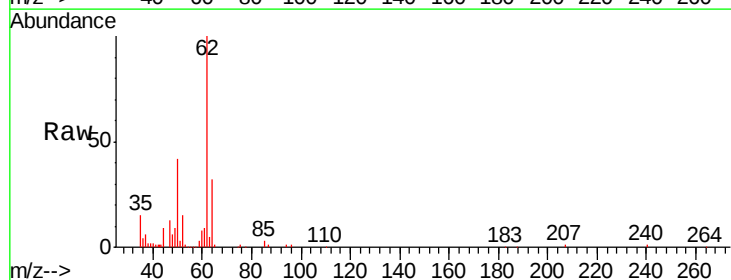
Acq: 27 Dec 2018 22:26

Tgt Ion: 62 Resp: 114430

Ion Ratio Lower Upper

62 100

64 32.1 30.4 45.6





#5

Bromomethane

Concen: 50.153 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

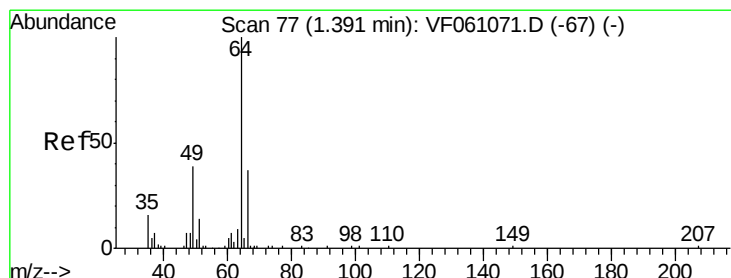
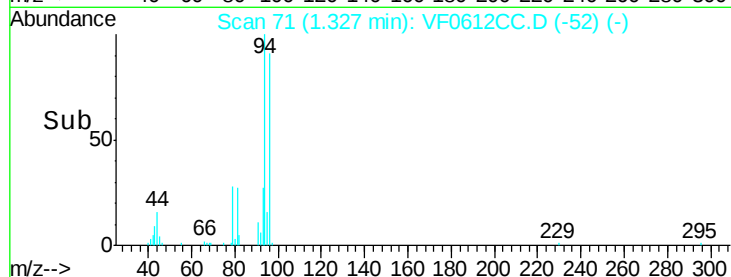
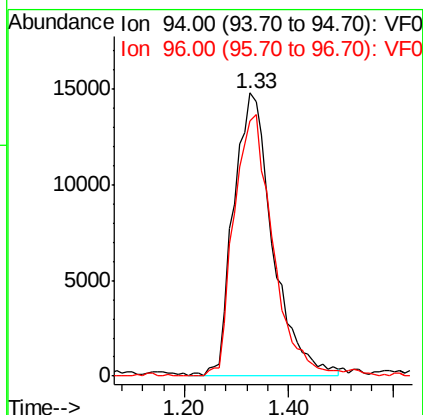
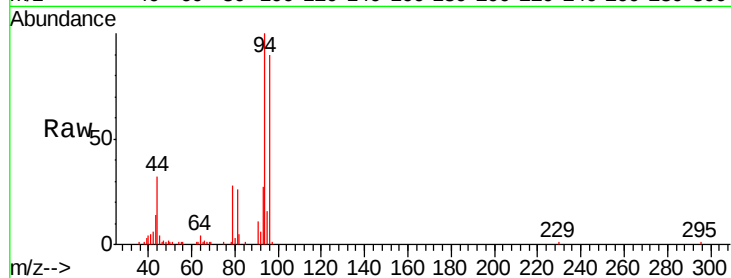
VSTDCCC050EC

Tgt Ion: 94 Resp: 75432

Ion Ratio Lower Upper

94 100

96 90.0 74.4 111.6



#6

Chloroethane

Concen: 49.959 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF0612CC.D

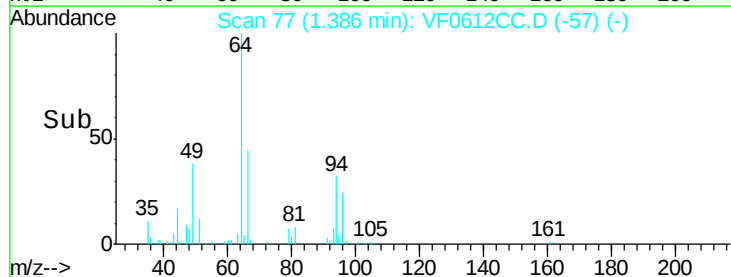
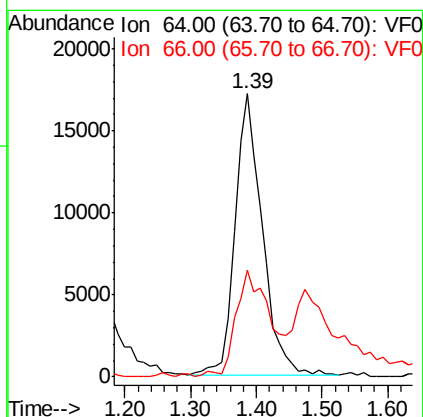
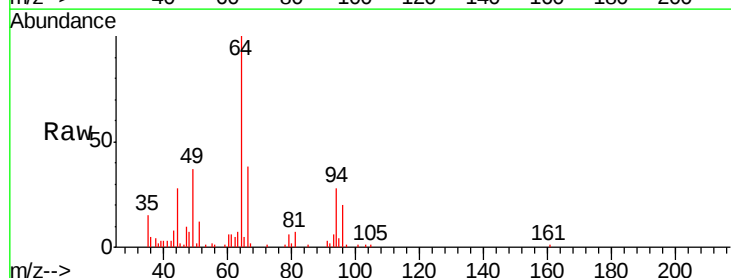
Acq: 27 Dec 2018 22:26

Tgt Ion: 64 Resp: 49917

Ion Ratio Lower Upper

64 100

66 37.8 30.9 46.3



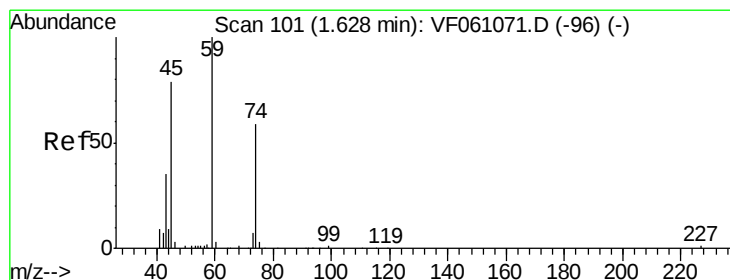
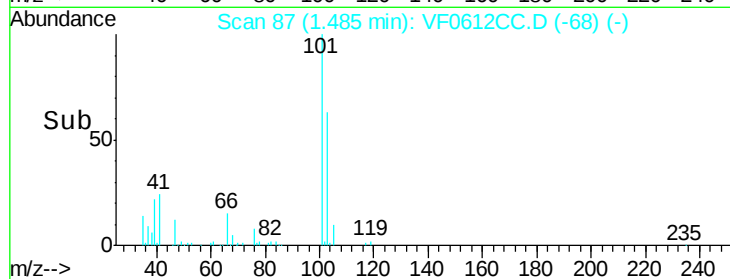
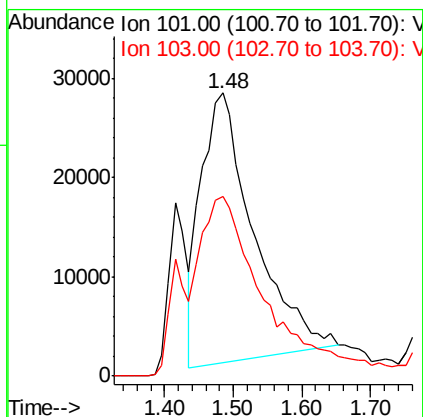
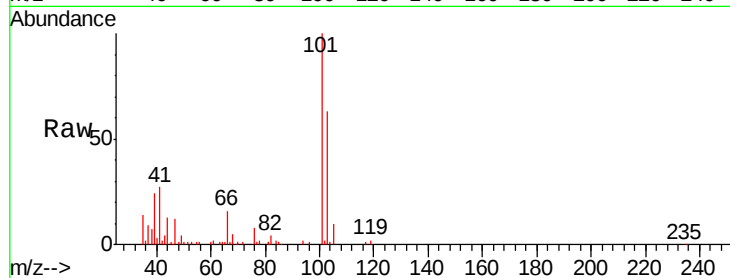


#7

Trichlorofluoromethane
Concen: 35.135 ug/l
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

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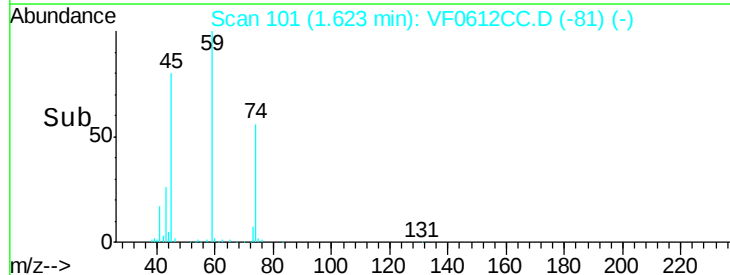
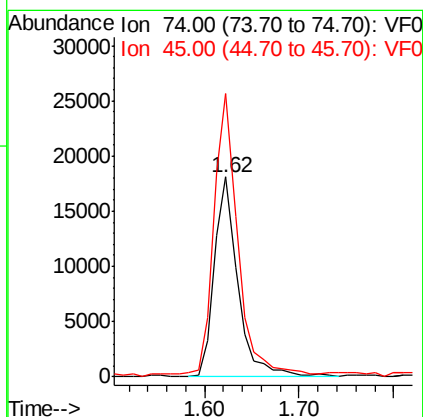
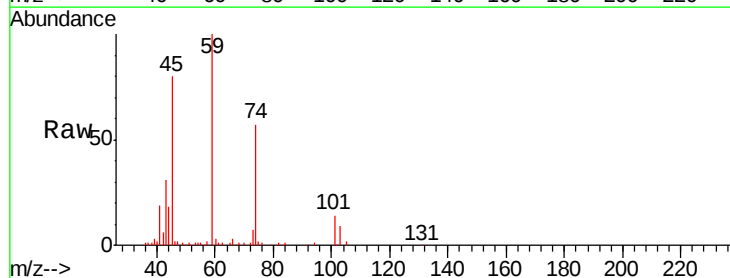
Tgt Ion:101 Resp: 145472
Ion Ratio Lower Upper
101 100
103 63.3 50.7 76.1



#8

Diethyl Ether
Concen: 55.449 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion: 74 Resp: 31438
Ion Ratio Lower Upper
74 100
45 141.8 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.664 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

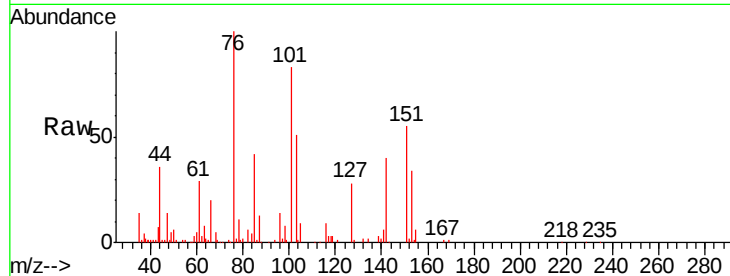
Tgt Ion:101 Resp: 110908

Ion Ratio Lower Upper

101 100

85 50.8 44.5 66.7

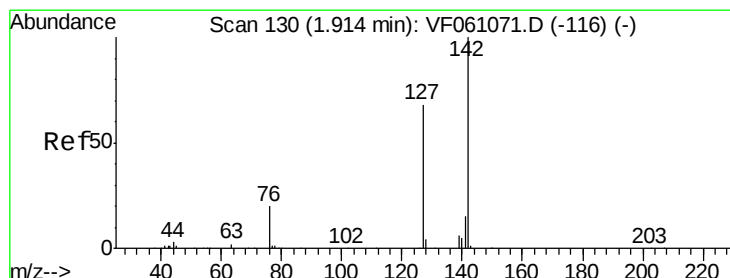
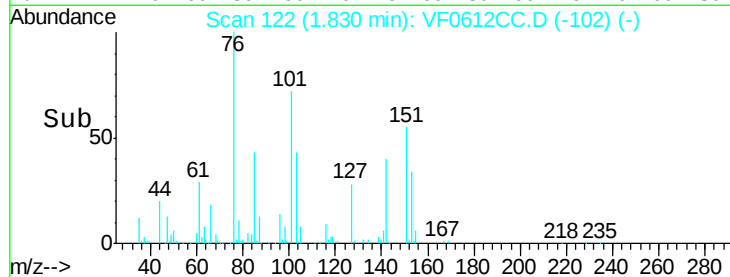
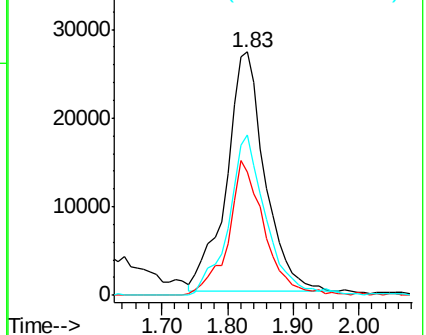
151 66.0 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 41.332 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

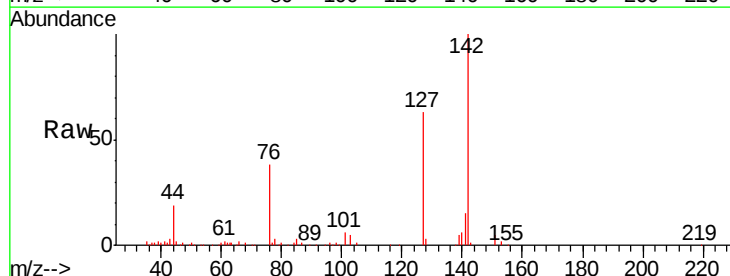
Tgt Ion:142 Resp: 139865

Ion Ratio Lower Upper

142 100

127 62.9 54.7 82.1

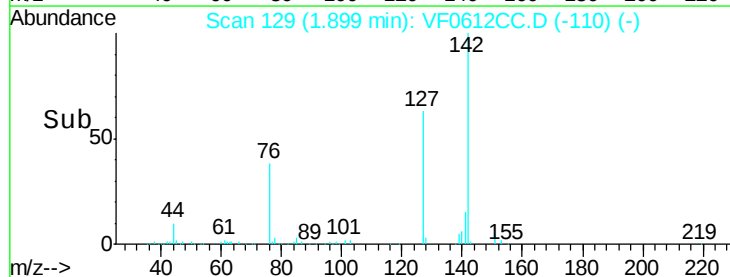
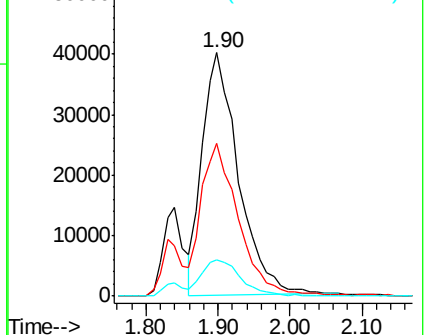
141 14.8 12.2 18.2

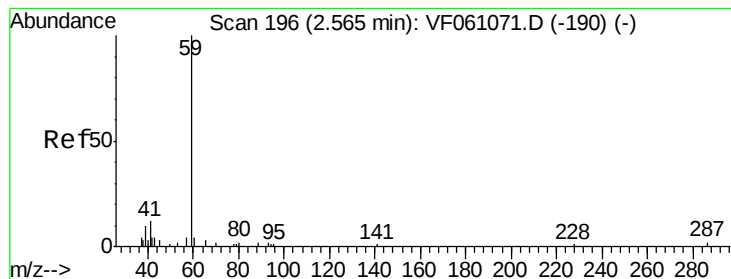


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



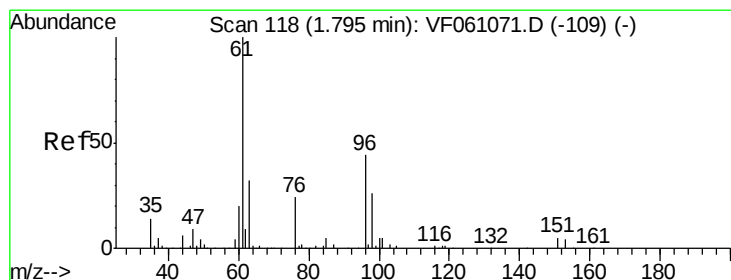
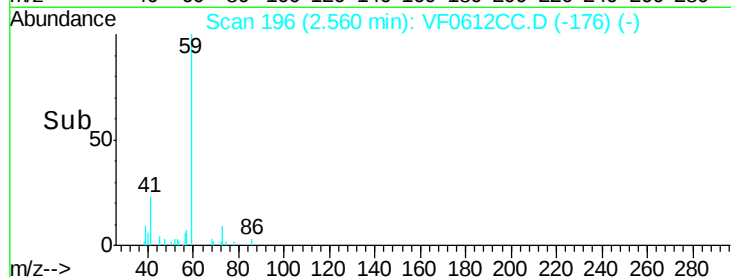
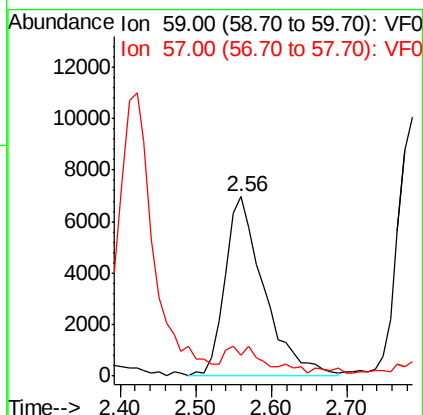
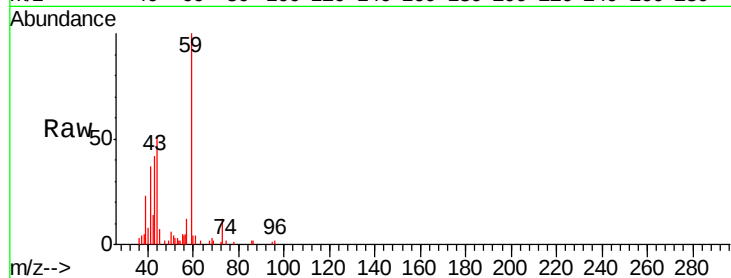


#11

Tert butyl alcohol
 Concen: 262.552 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.00 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

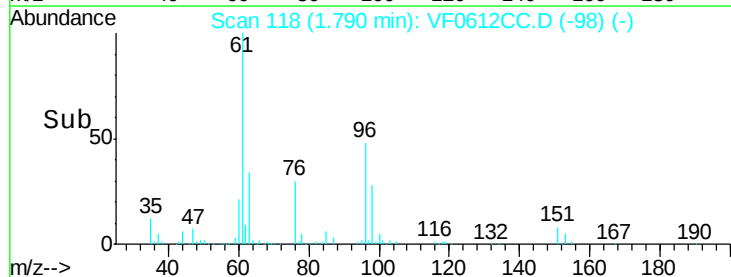
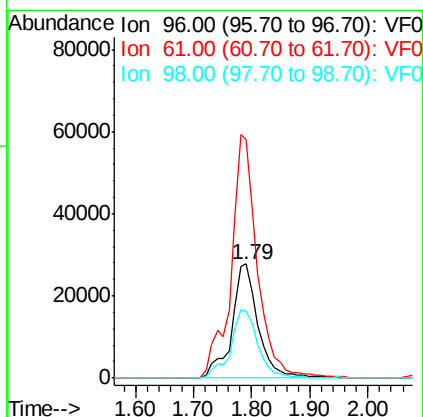
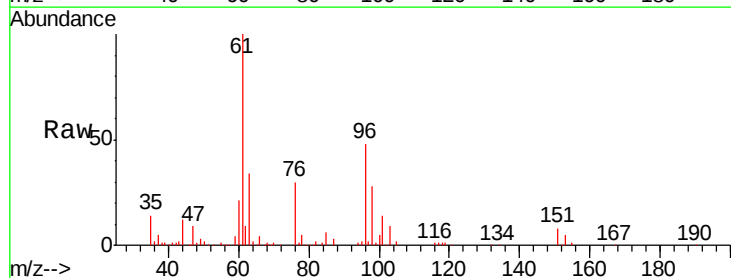
Tgt Ion: 59 Resp: 25016
 Ion Ratio Lower Upper
 59 100
 57 11.8 11.5 17.3

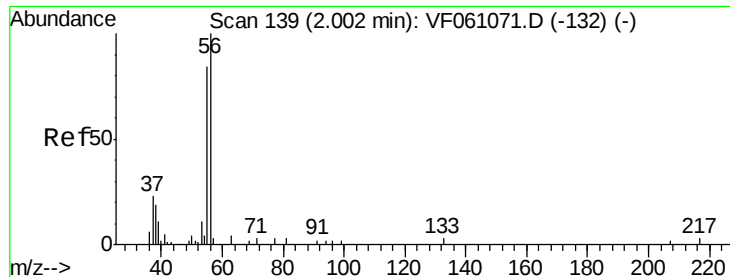


#12

1,1-Dichloroethene
 Concen: 54.070 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion: 96 Resp: 87497
 Ion Ratio Lower Upper
 96 100
 61 209.3 182.0 273.0
 98 58.6 46.5 69.7

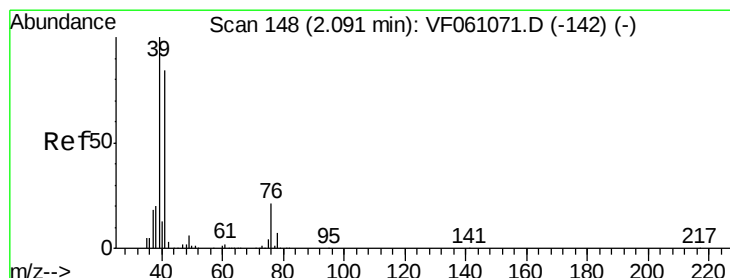
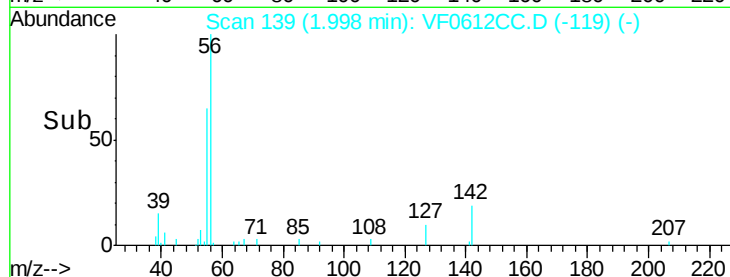
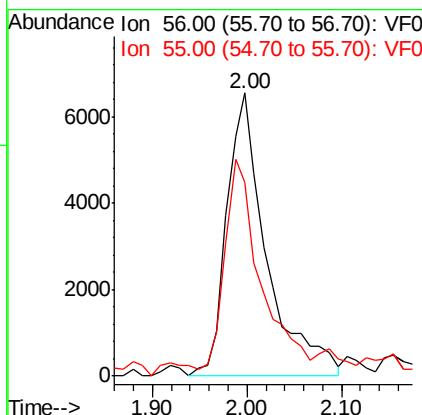
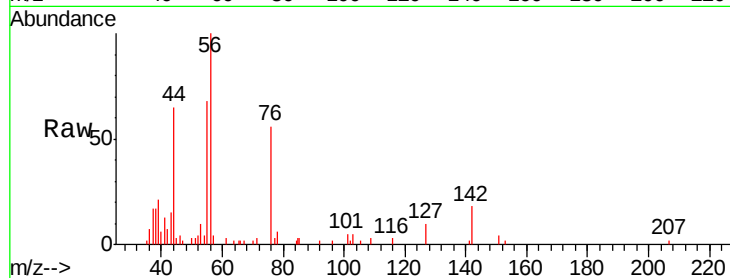




#13
Acrolein
Concen: 277.288 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

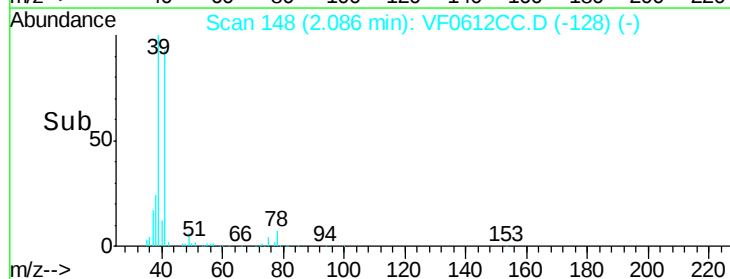
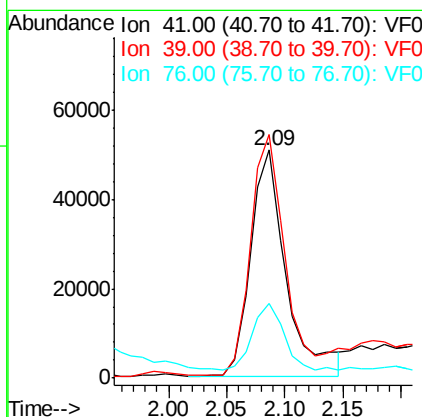
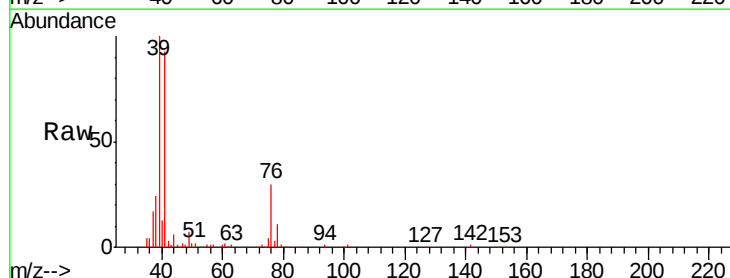
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

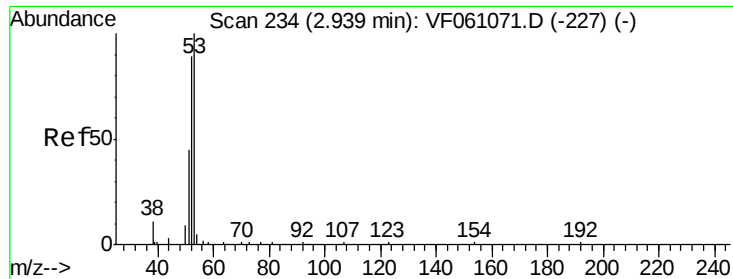
Tgt Ion: 56 Resp: 19091
Ion Ratio Lower Upper
56 100
55 68.4 70.2 105.2#



#14
Allyl chloride
Concen: 63.638 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion: 41 Resp: 107168
Ion Ratio Lower Upper
41 100
39 107.0 96.4 144.6
76 32.6 25.4 38.0





#15

Acrylonitrile

Concen: 294.746 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

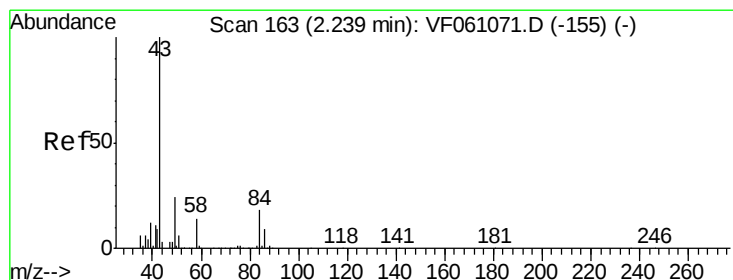
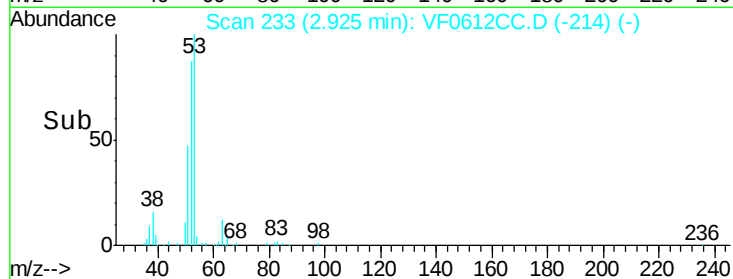
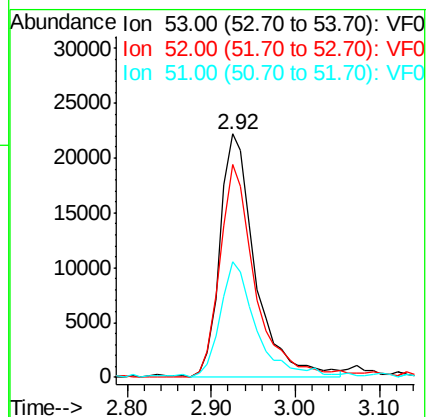
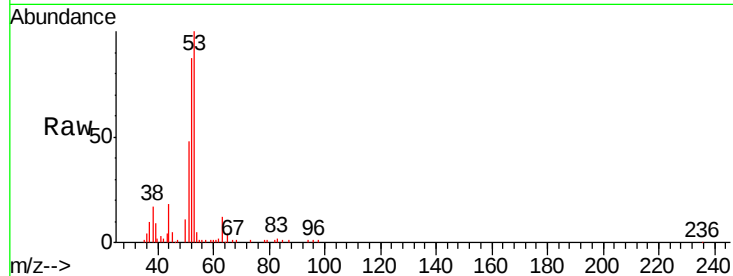
Tgt Ion: 53 Resp: 64940

Ion Ratio Lower Upper

53 100

52 87.3 71.3 106.9

51 47.5 36.8 55.2



#16

Acetone

Concen: 199.171 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF0612CC.D

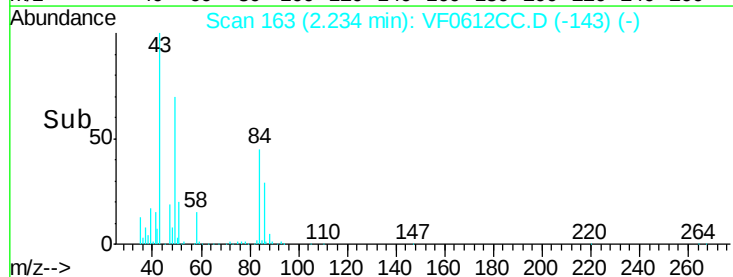
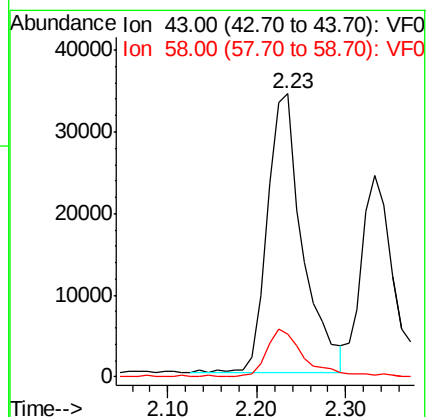
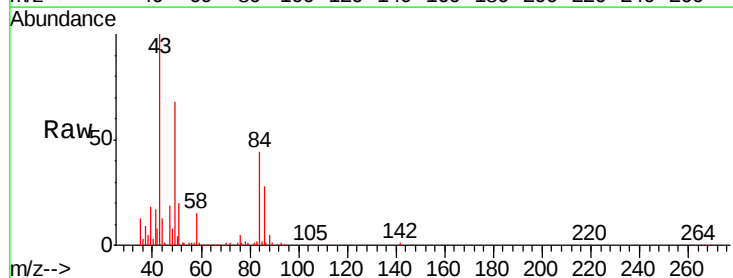
Acq: 27 Dec 2018 22:26

Tgt Ion: 43 Resp: 94011

Ion Ratio Lower Upper

43 100

58 14.9 11.1 16.7

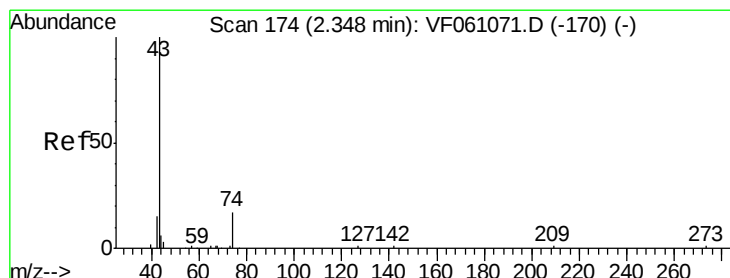
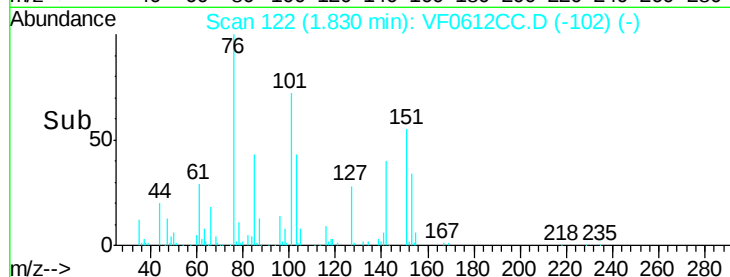
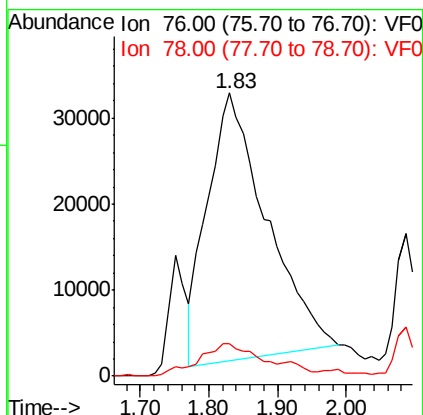
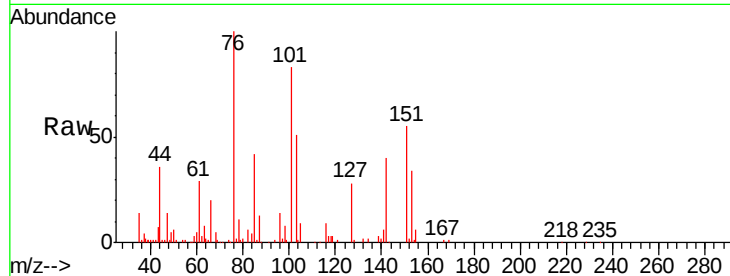




#17
Carbon Disulfide
Concen: 37.805 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

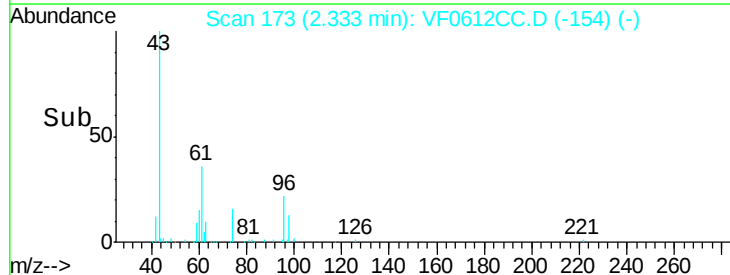
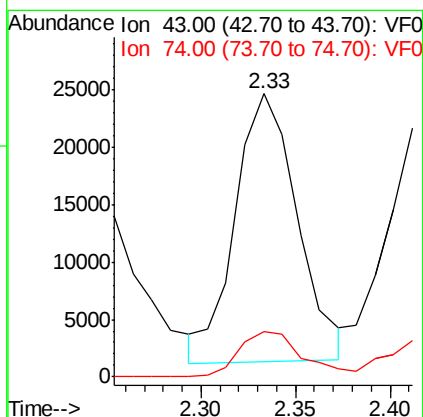
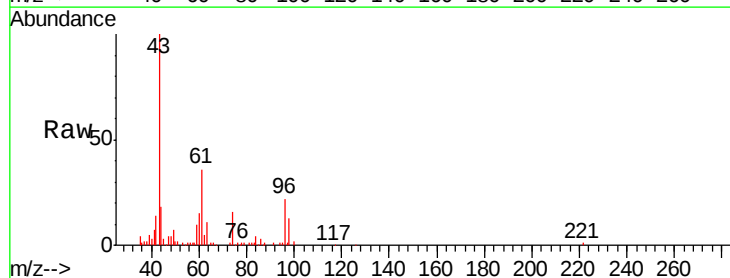
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

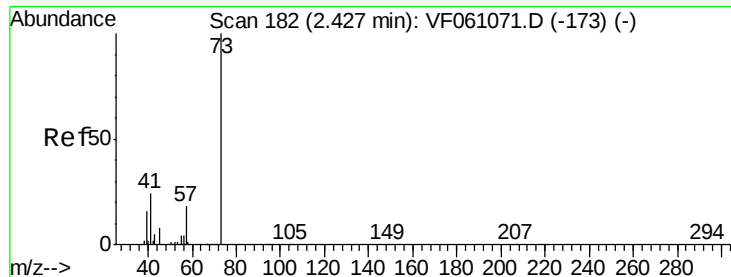
Tgt Ion: 76 Resp: 184876
Ion Ratio Lower Upper
76 100
78 11.5 10.2 15.4



#18
Methyl Acetate
Concen: 54.752 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion: 43 Resp: 53468
Ion Ratio Lower Upper
43 100
74 16.2 11.0 16.6



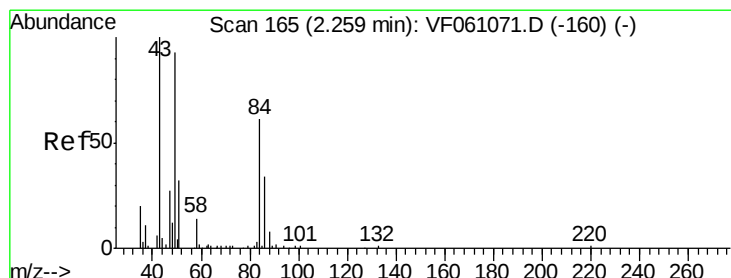
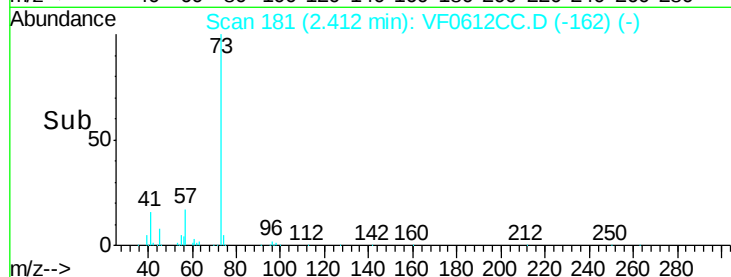
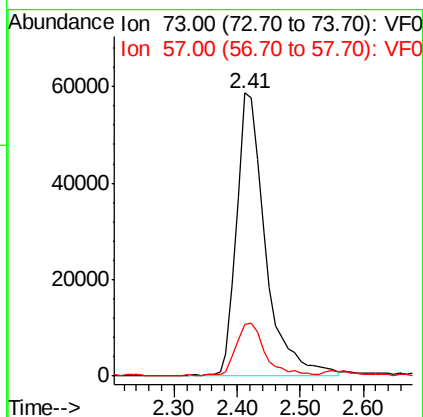
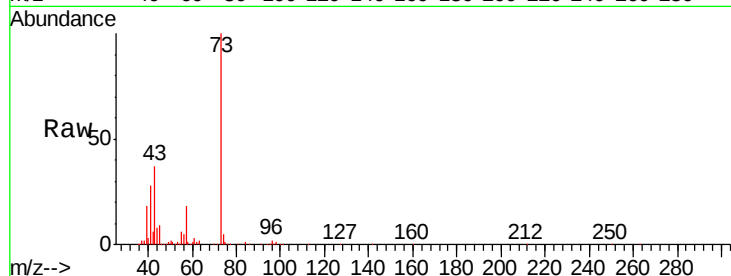


#19

Methyl tert-butyl Ether
 Concen: 51.756 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

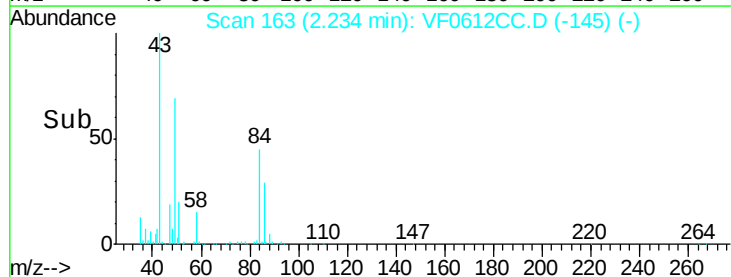
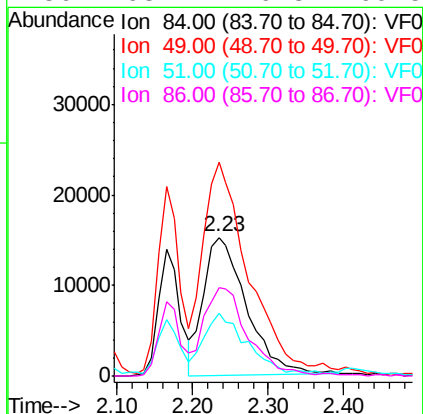
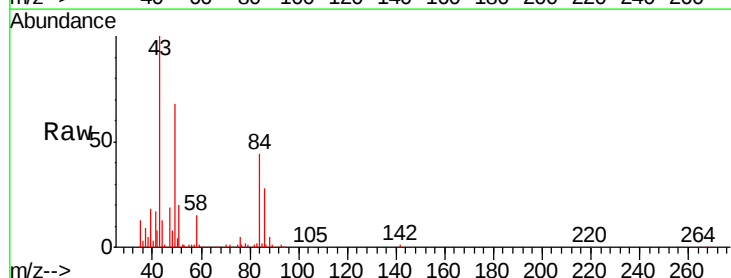
Tgt Ion: 73 Resp: 185903
 Ion Ratio Lower Upper
 73 100
 57 18.2 14.5 21.7

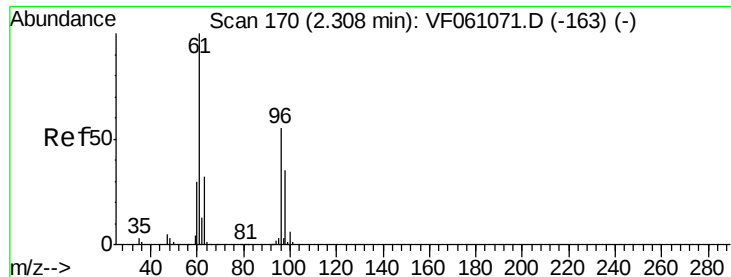


#20

Methylene Chloride
 Concen: 38.826 ug/l
 RT: 2.23 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion: 84 Resp: 60076
 Ion Ratio Lower Upper
 84 100
 49 154.0 129.4 194.2
 51 45.1 44.0 66.0
 86 63.7 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 44.523 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

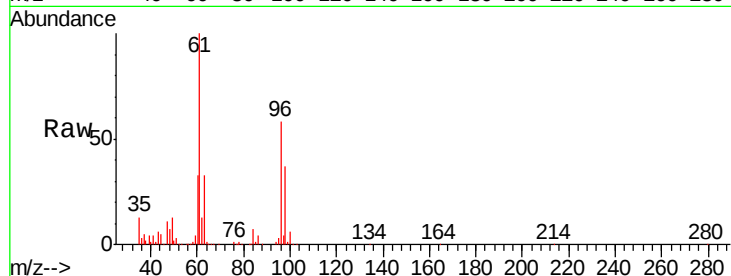
Tgt Ion: 96 Resp: 77060

Ion Ratio Lower Upper

96 100

61 171.8 146.0 219.0

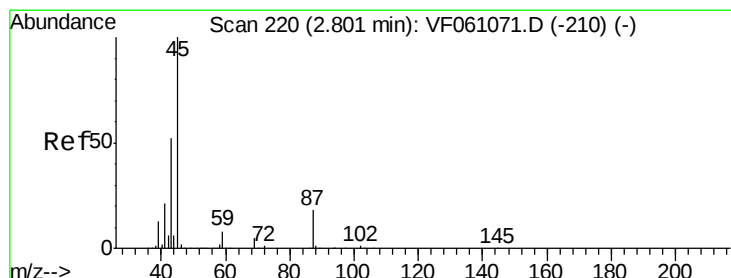
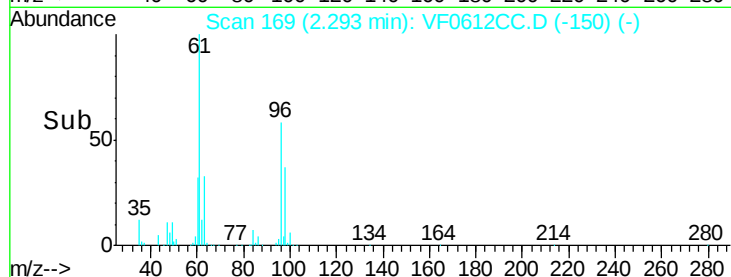
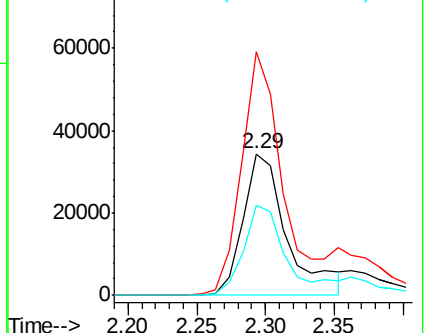
98 63.1 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 55.609 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Tgt Ion: 45 Resp: 311941

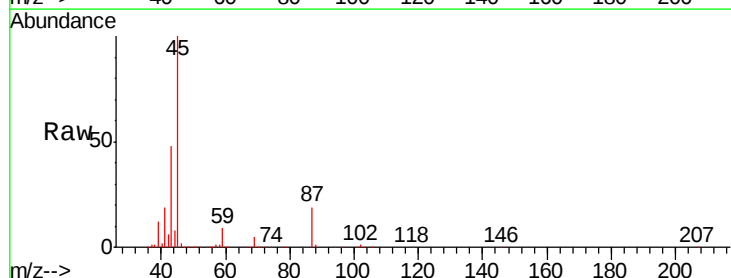
Ion Ratio Lower Upper

45 100

43 47.8 42.2 63.2

87 18.5 14.6 22.0

59 9.3 7.0 10.4

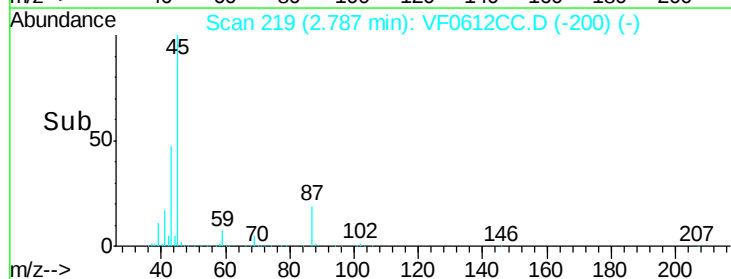
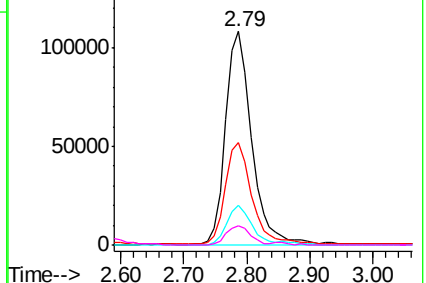


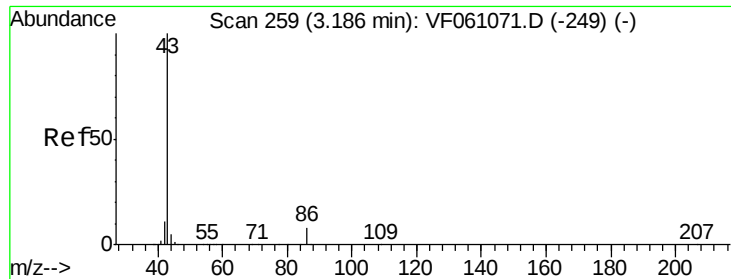
Abundance Ion 45.00 (44.70 to 45.70): VF0

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





#23

Vinyl Acetate

Concen: 270.040 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

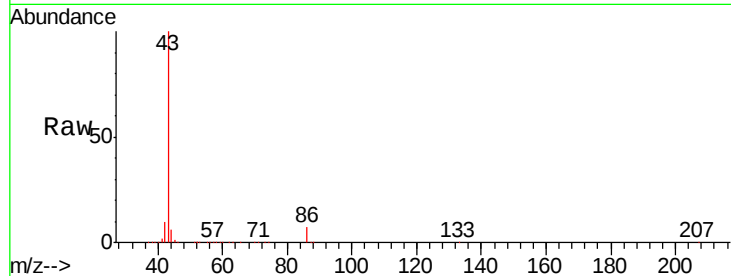
VSTDCCC050EC

Tgt Ion: 43 Resp: 698808

Ion Ratio Lower Upper

43 100

86 7.3 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

250000

200000

150000

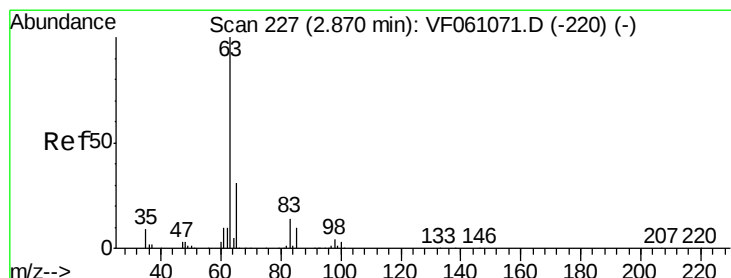
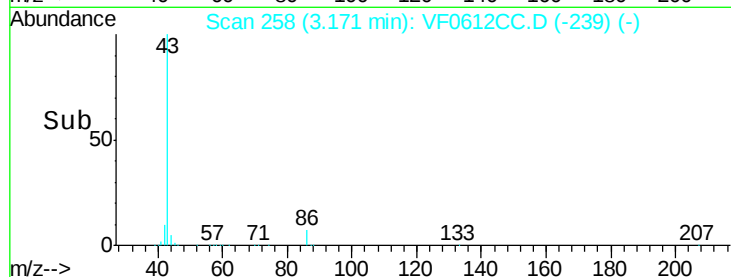
100000

50000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 54.464 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

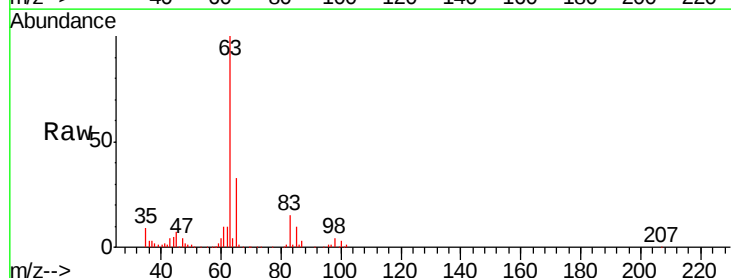
Tgt Ion: 63 Resp: 181017

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

100 3.0 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

80000

60000

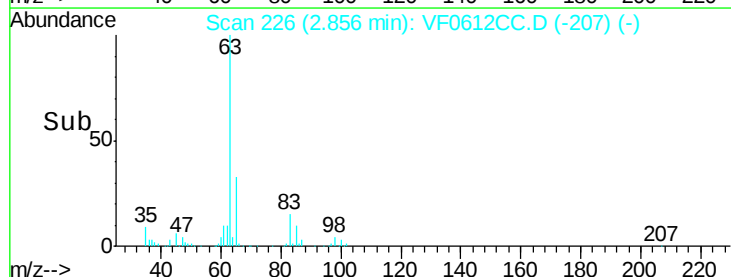
40000

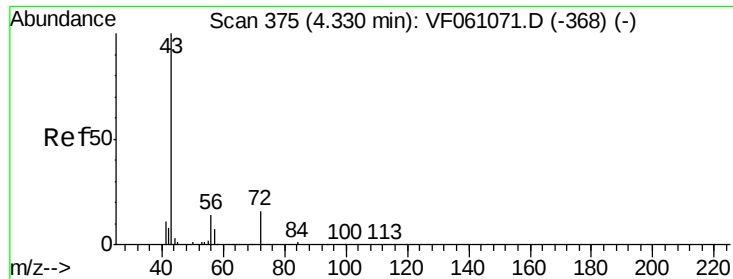
20000

0

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 247.513 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

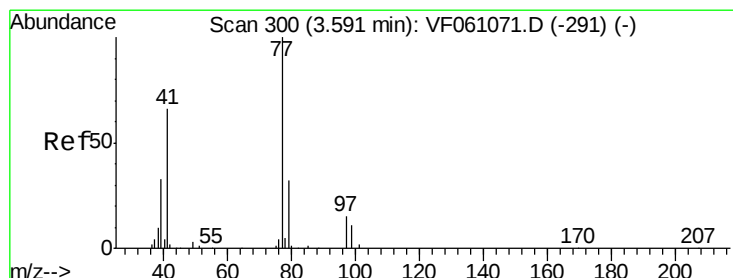
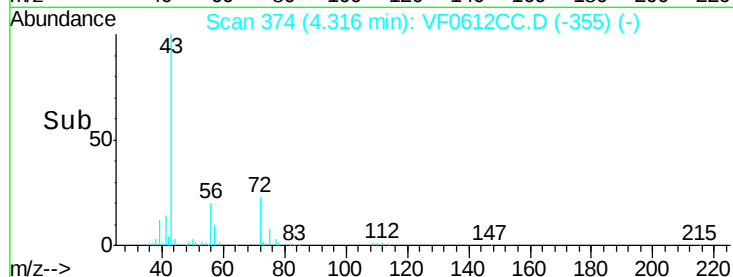
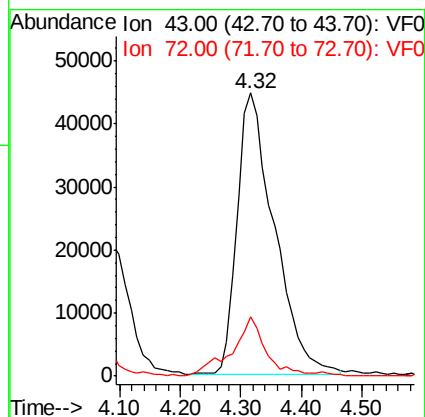
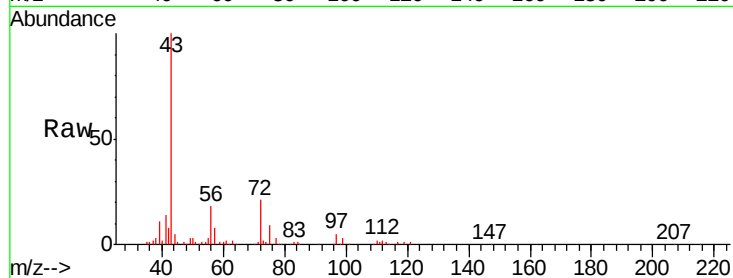
VSTDCCC050EC

Tgt Ion: 43 Resp: 189474

Ion Ratio Lower Upper

43 100

72 21.0 15.6 23.4



#26

2,2-Dichloropropane

Concen: 51.426 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF0612CC.D

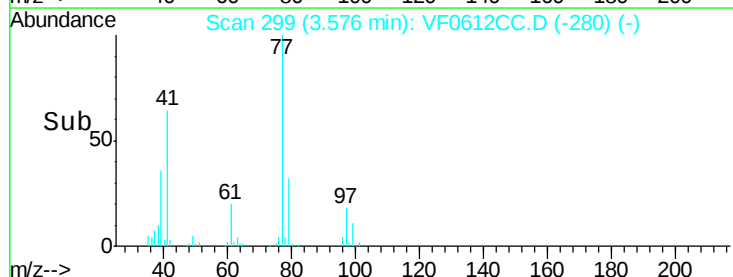
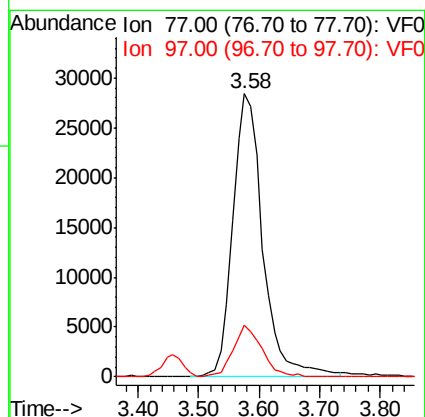
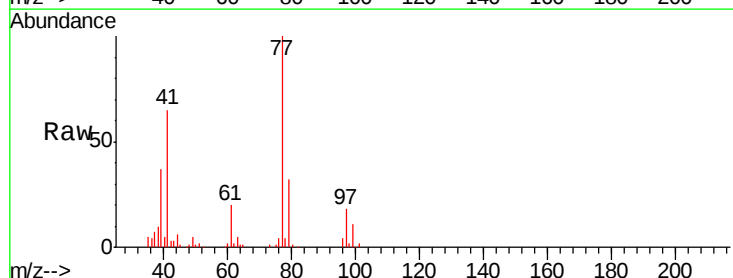
Acq: 27 Dec 2018 22:26

Tgt Ion: 77 Resp: 98088

Ion Ratio Lower Upper

77 100

97 18.1 8.2 24.4



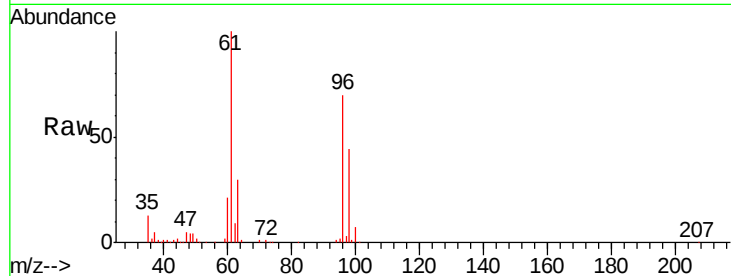


#27

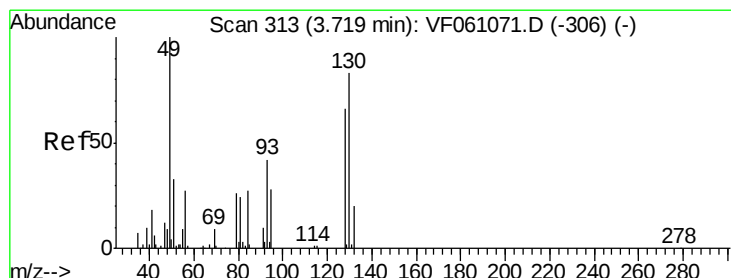
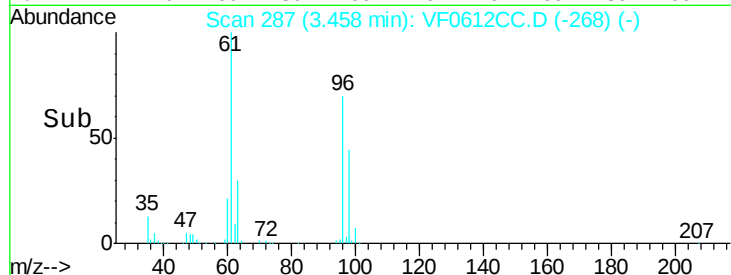
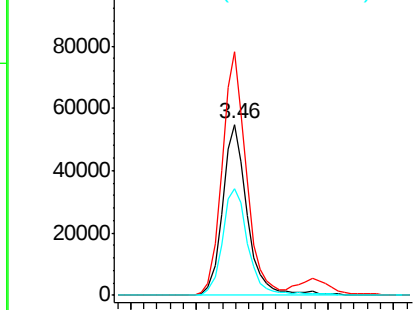
cis-1,2-Dichloroethene
 Concen: 54.248 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 143740
 Ion Ratio Lower Upper
 96 100
 61 142.7 0.0 287.8
 98 62.5 0.0 134.2



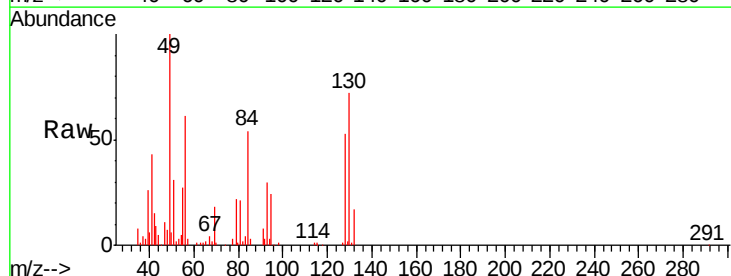
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



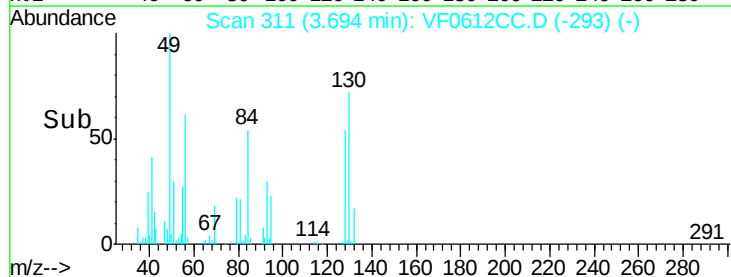
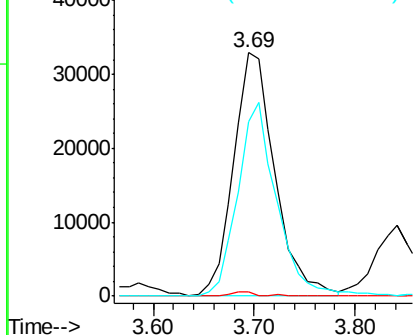
#28

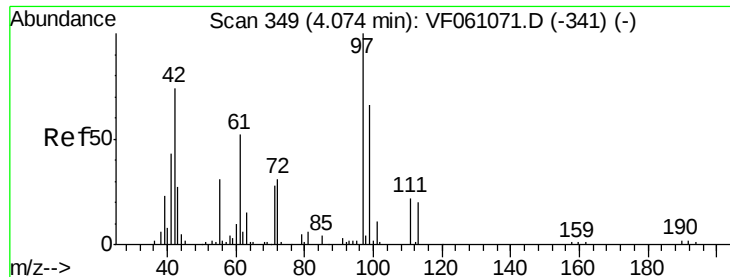
Bromochloromethane
 Concen: 55.837 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion: 49 Resp: 94163
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 71.6 65.8 98.6



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 266.292 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

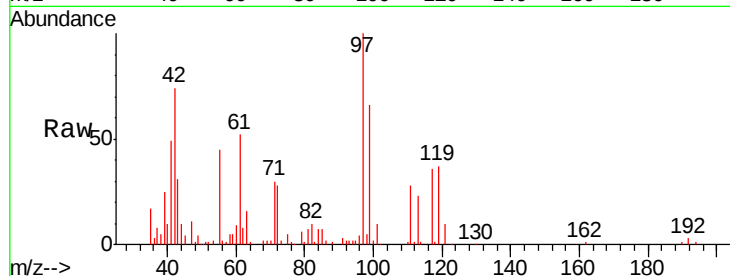
Tgt Ion: 42 Resp: 82969

Ion Ratio Lower Upper

42 100

72 40.0 31.8 47.8

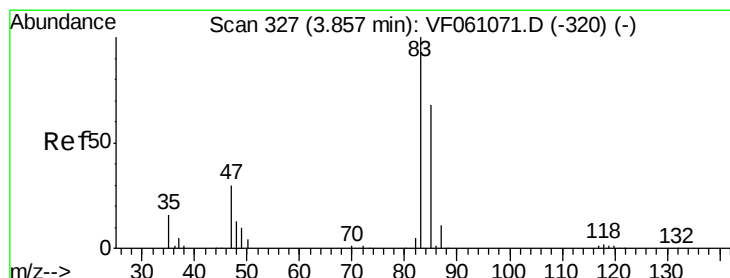
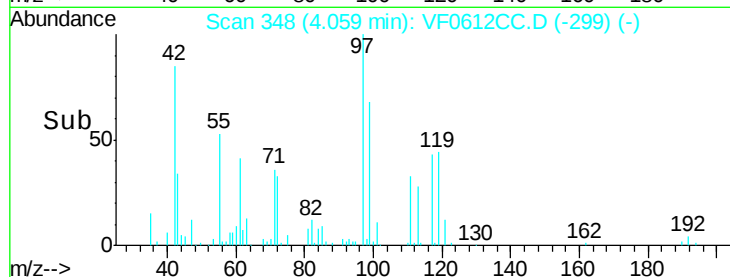
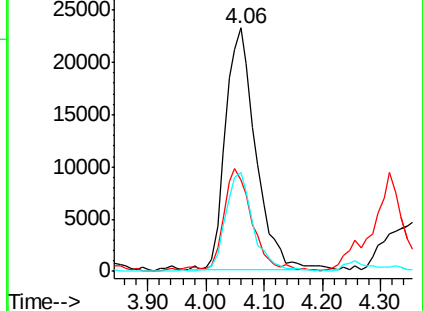
71 37.8 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 51.414 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF0612CC.D

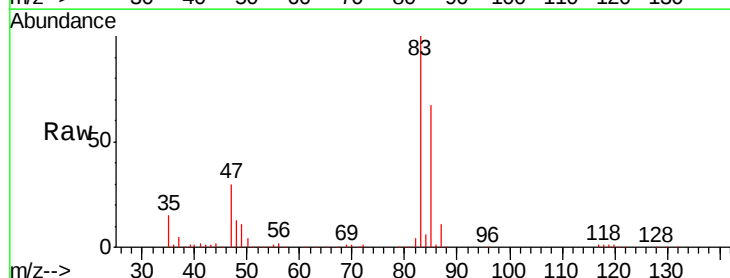
Acq: 27 Dec 2018 22:26

Tgt Ion: 83 Resp: 256222

Ion Ratio Lower Upper

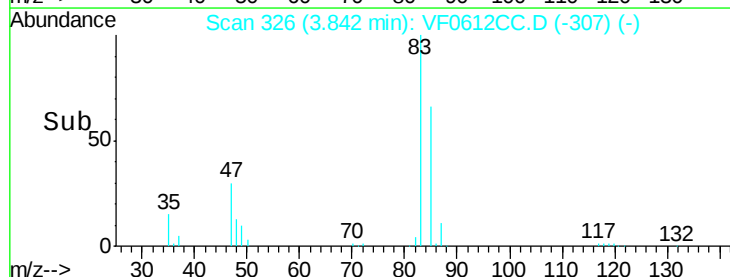
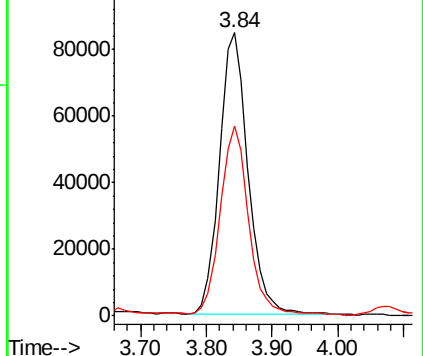
83 100

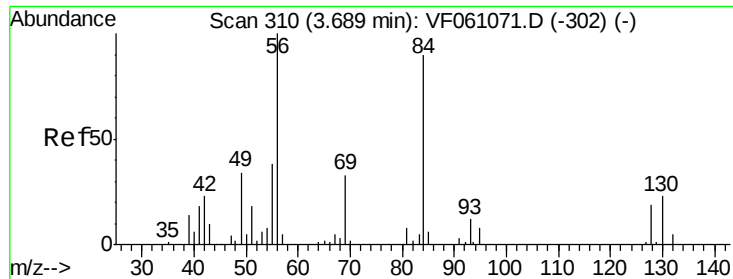
85 67.0 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

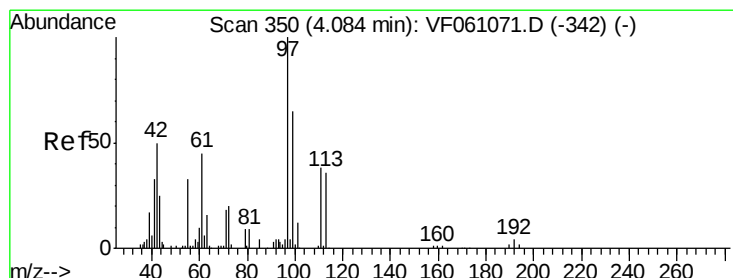
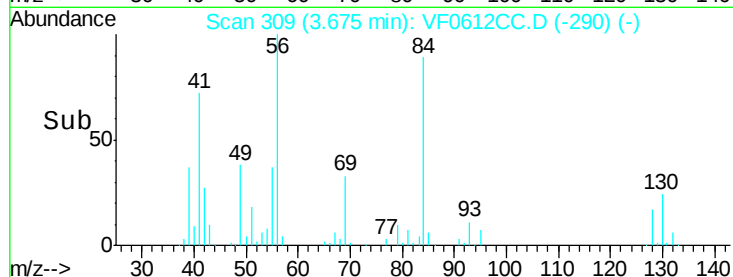
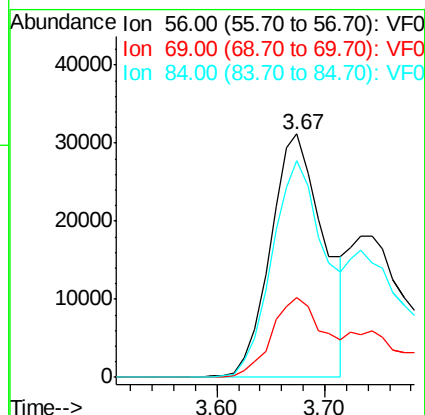
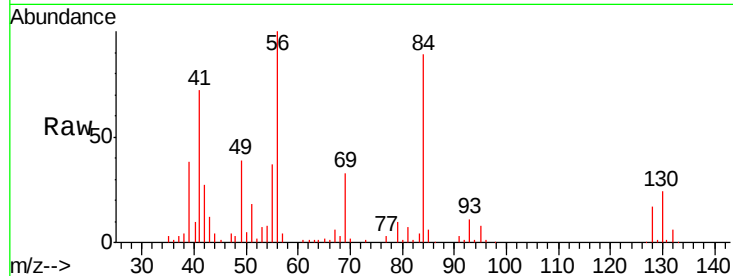




#31
Cyclohexane
Concen: 31.318 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

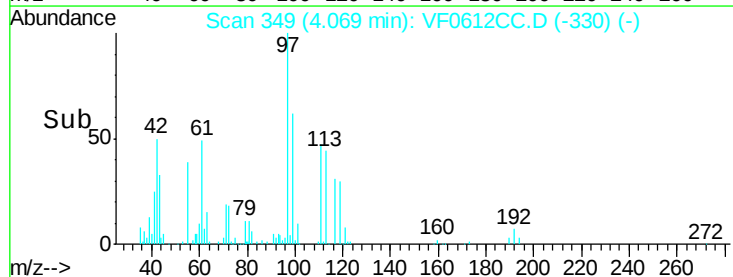
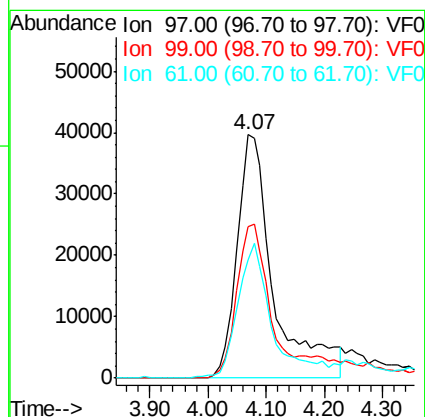
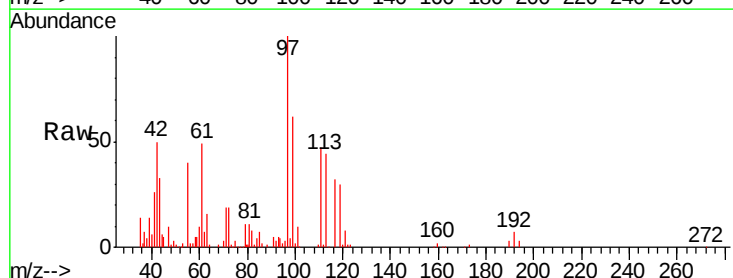
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

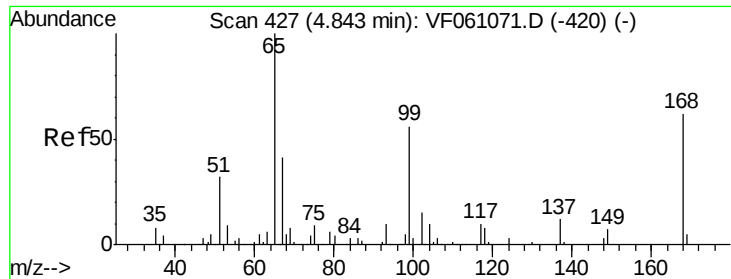
Tgt Ion: 56 Resp: 108009
Ion Ratio Lower Upper
56 100
69 32.8 26.0 39.0
84 89.0 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 58.410 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion: 97 Resp: 174472
Ion Ratio Lower Upper
97 100
99 62.4 51.6 77.4
61 48.7 36.2 54.2

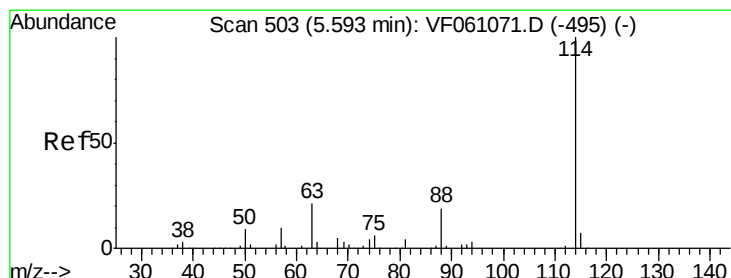
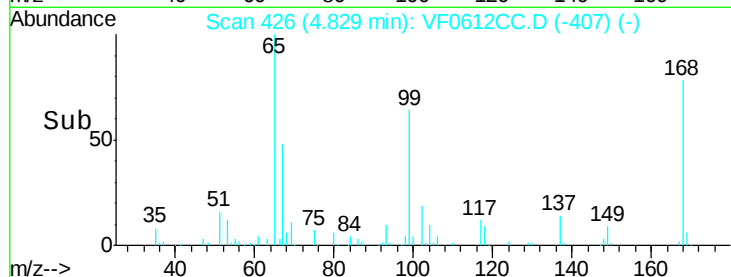
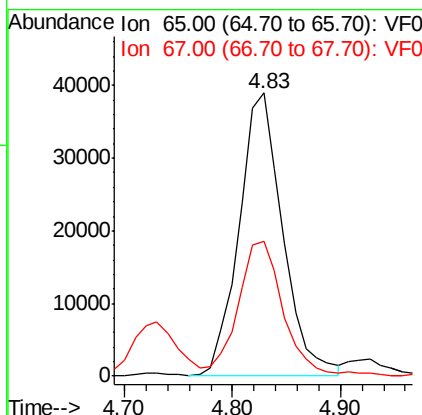
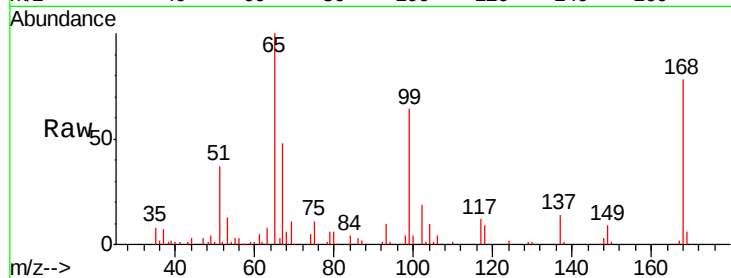




#33
 1,2-Dichloroethane-d4
 Concen: 45.829 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

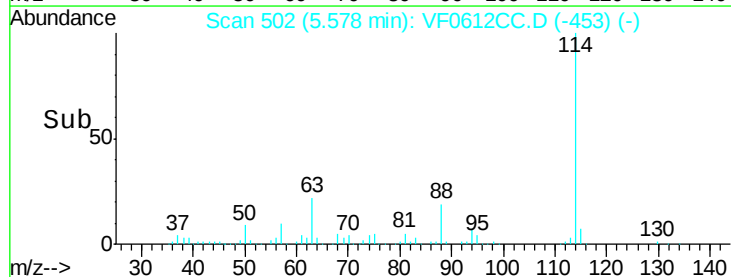
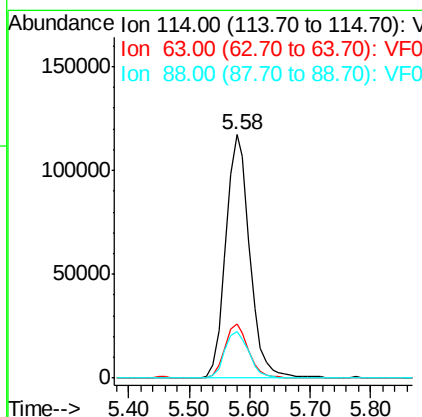
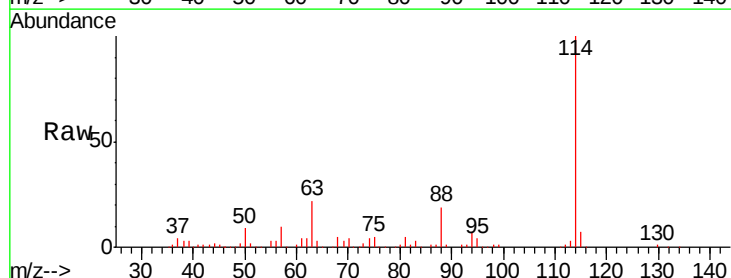
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

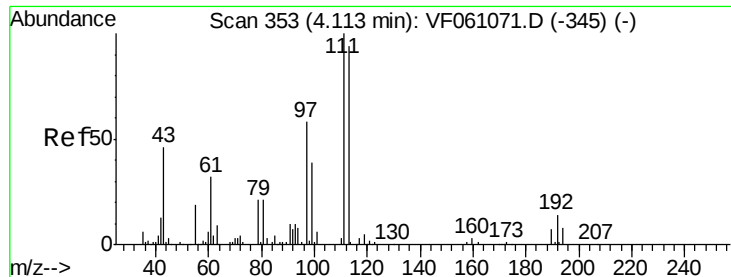
Tgt Ion: 65 Resp: 108207
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion: 114 Resp: 323038
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.6
 88 19.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 44.671 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

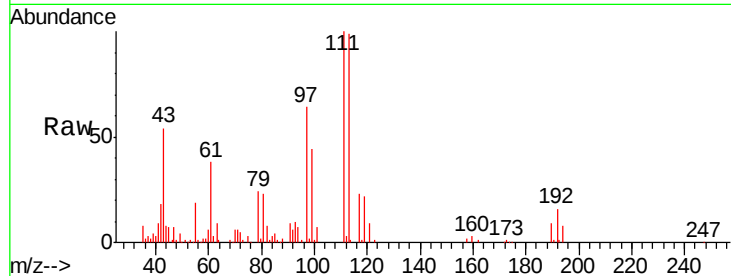
Tgt Ion: 113 Resp: 115596

Ion Ratio Lower Upper

113 100

111 100.5 85.2 127.8

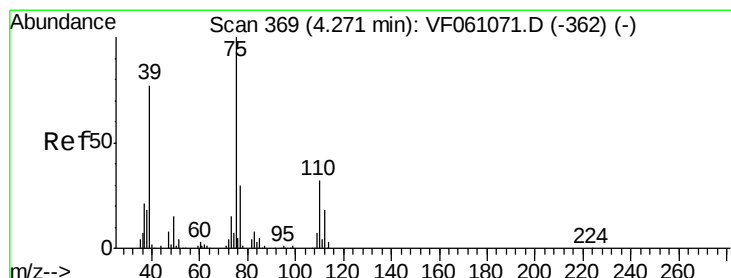
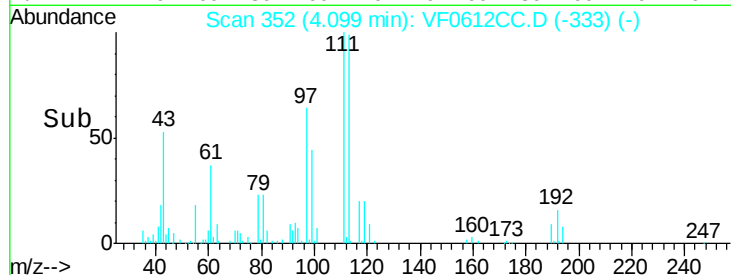
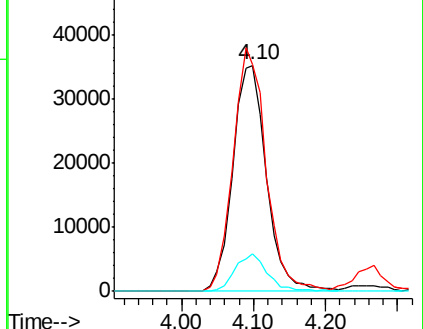
192 17.3 12.8 19.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.098 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

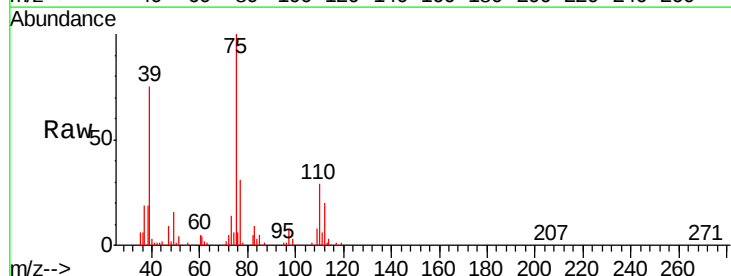
Tgt Ion: 75 Resp: 187548

Ion Ratio Lower Upper

75 100

110 29.1 16.1 48.2

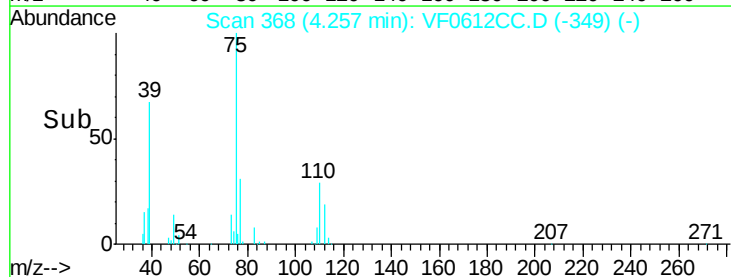
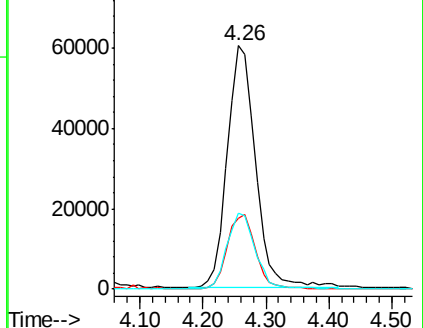
77 31.0 24.5 36.7

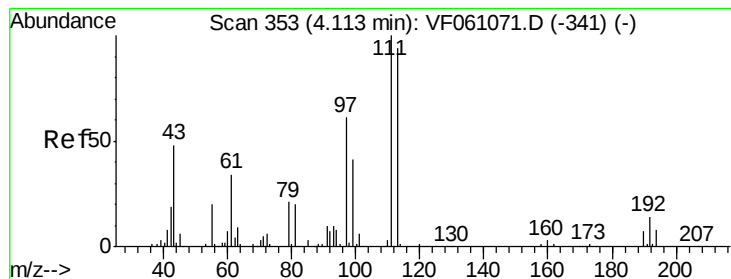


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 55.015 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

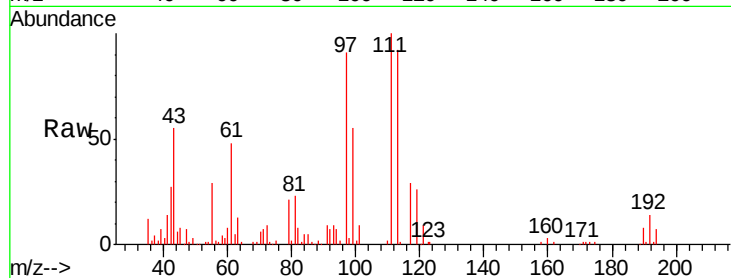
Tgt Ion: 43 Resp: 81960

Ion Ratio Lower Upper

43 100

61 87.1 56.6 84.8#

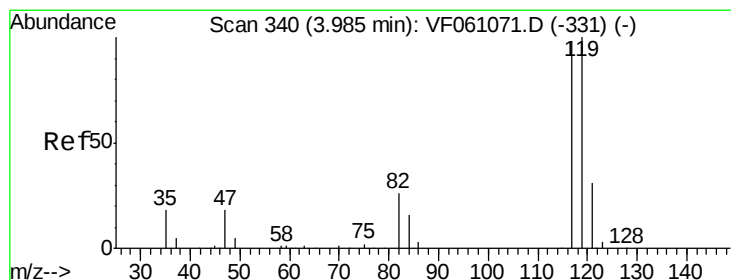
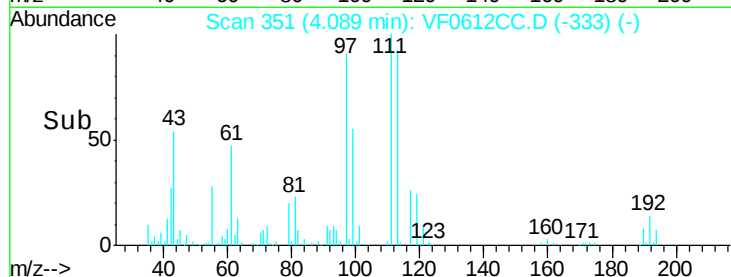
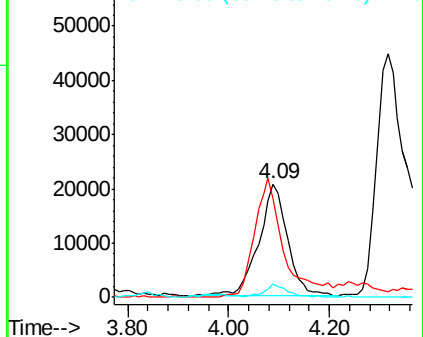
70 11.6 6.3 9.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 49.975 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

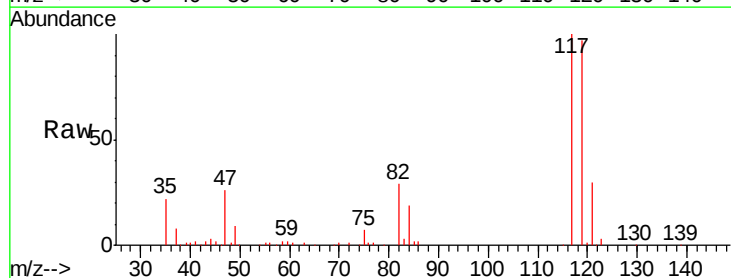
Tgt Ion: 117 Resp: 148398

Ion Ratio Lower Upper

117 100

119 96.7 82.1 123.1

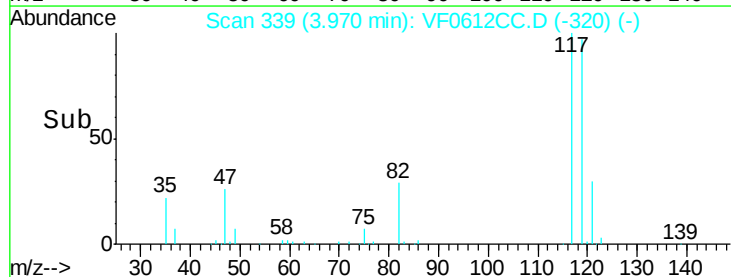
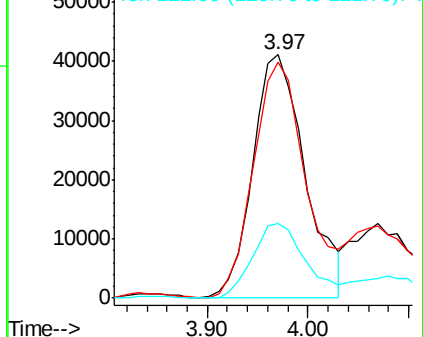
121 30.5 25.5 38.3

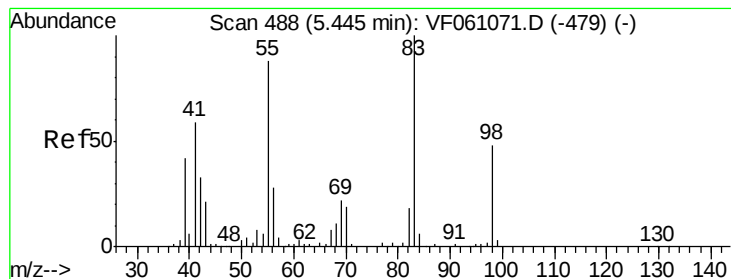


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 58.233 ug/l

RT: 5.43 min Scan# 487

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

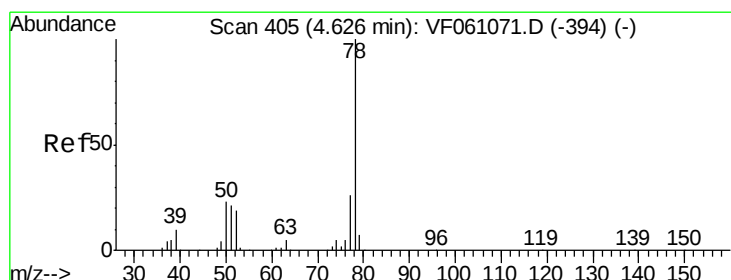
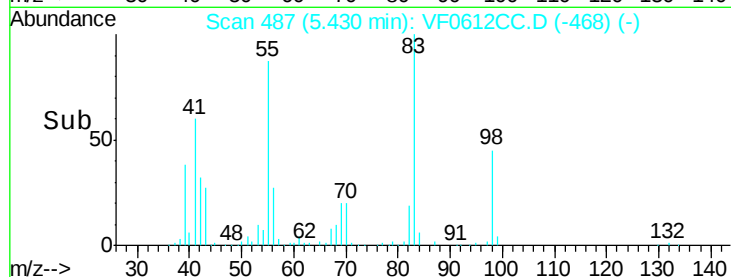
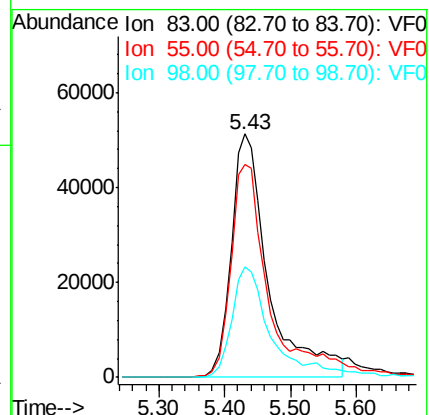
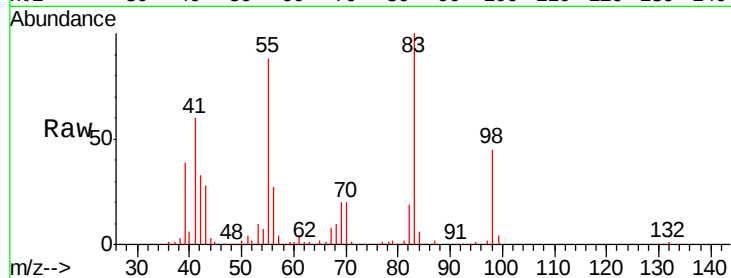
Tgt Ion: 83 Resp: 203710

Ion Ratio Lower Upper

83 100

55 87.5 70.6 105.8

98 45.2 38.5 57.7



#40

Benzene

Concen: 50.693 ug/l

RT: 4.61 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF0612CC.D

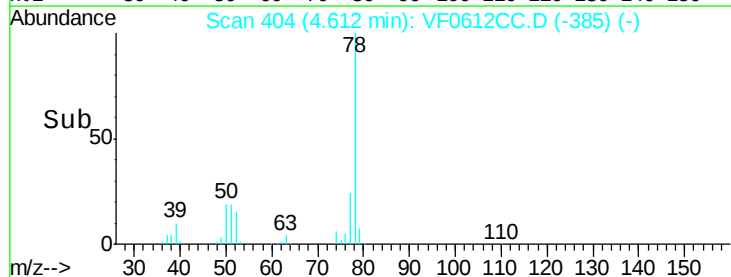
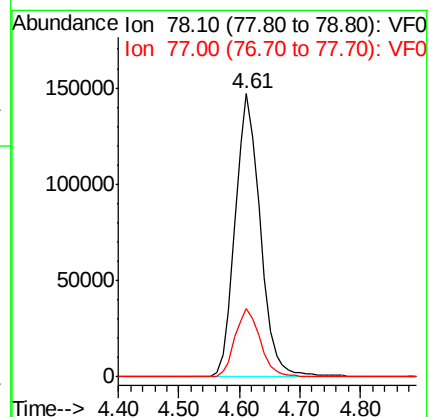
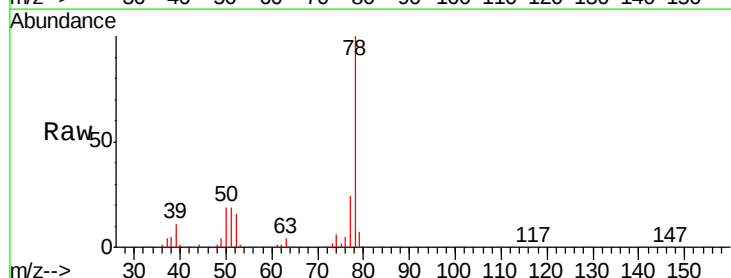
Acq: 27 Dec 2018 22:26

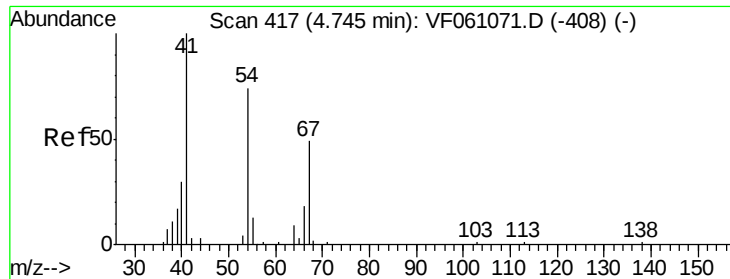
Tgt Ion: 78 Resp: 425082

Ion Ratio Lower Upper

78 100

77 24.0 20.7 31.1





#41

Methacrylonitrile

Concen: 52.127 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 42926

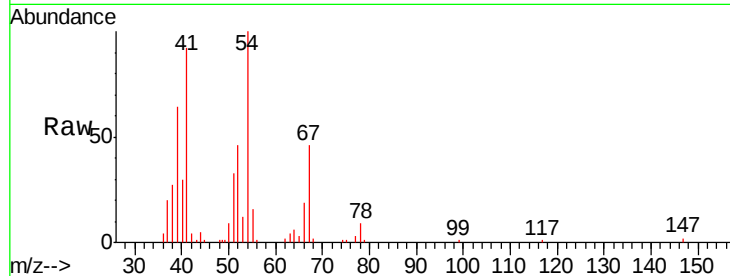
Ion Ratio Lower Upper

41 100

39 69.3 45.7 68.5#

67 49.8 38.9 58.3

52 49.9 35.2 52.8

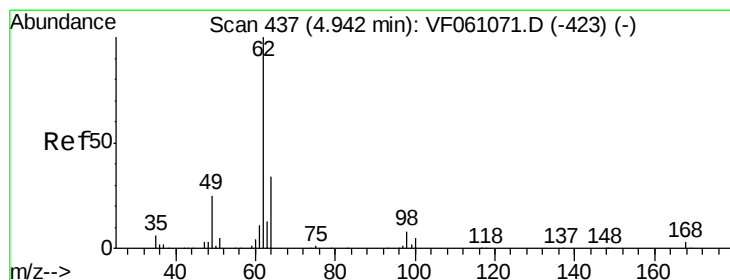
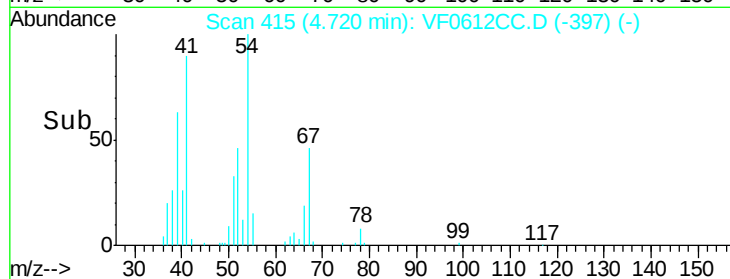
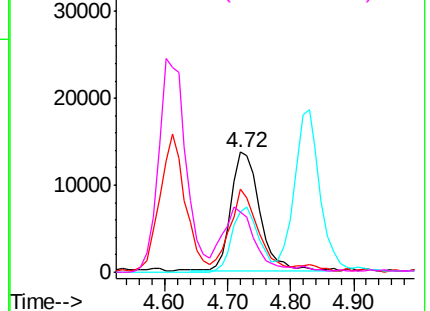


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 49.214 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.02 min

Lab File: VF0612CC.D

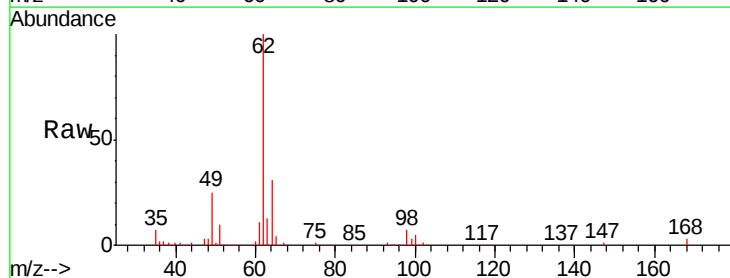
Acq: 27 Dec 2018 22:26

Tgt Ion: 62 Resp: 156769

Ion Ratio Lower Upper

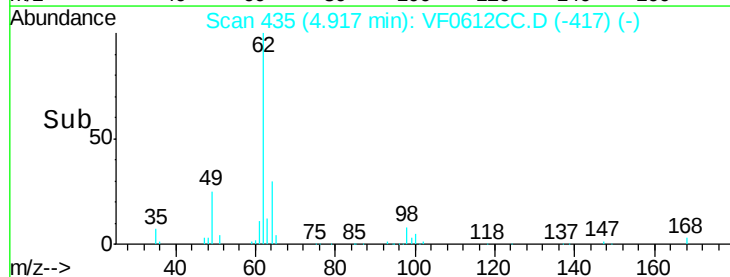
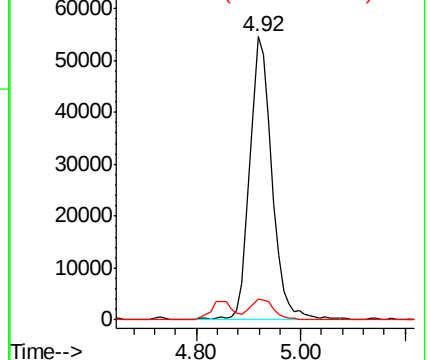
62 100

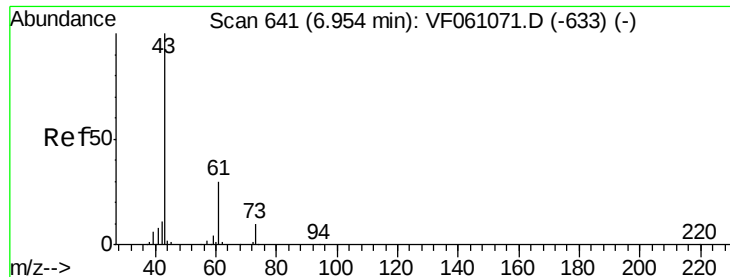
98 7.5 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 51.869 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

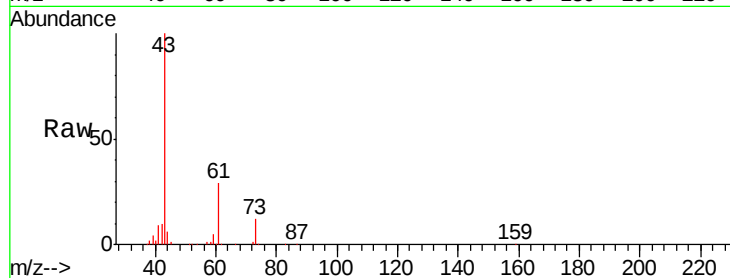
Tgt Ion: 43 Resp: 97657

Ion Ratio Lower Upper

43 100

61 28.8 23.8 35.8

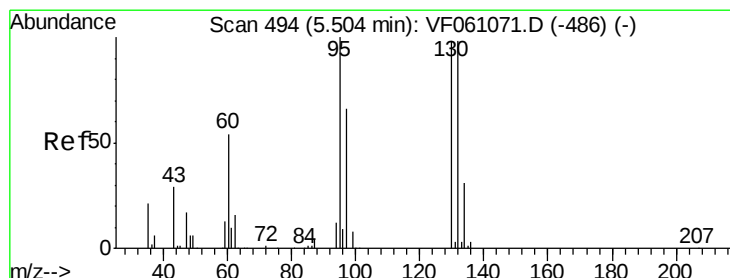
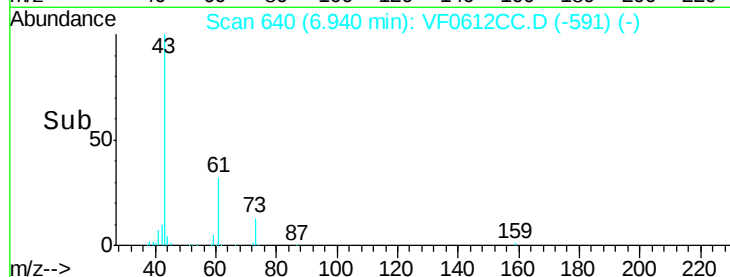
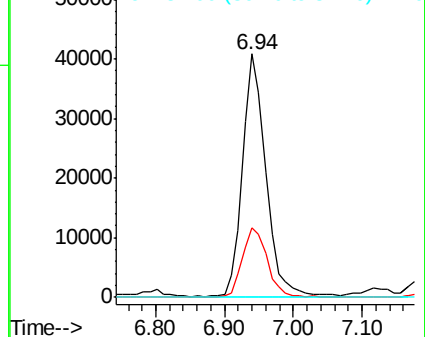
87 0.2 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 49.083 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF0612CC.D

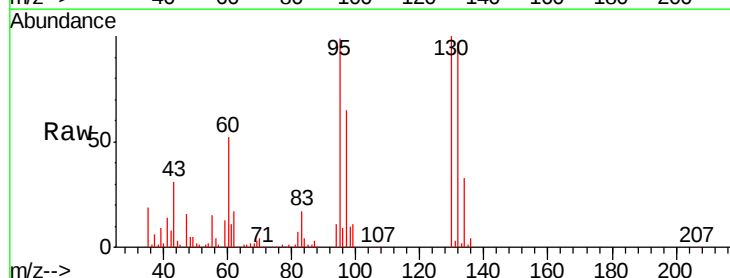
Acq: 27 Dec 2018 22:26

Tgt Ion: 130 Resp: 129761

Ion Ratio Lower Upper

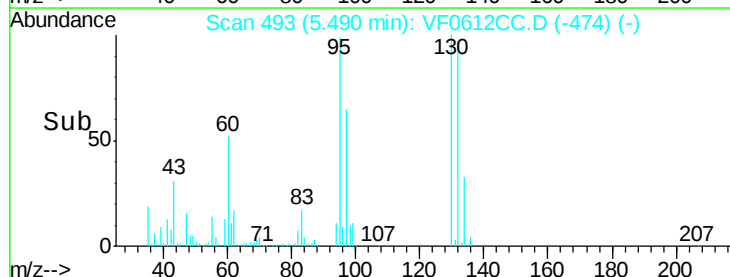
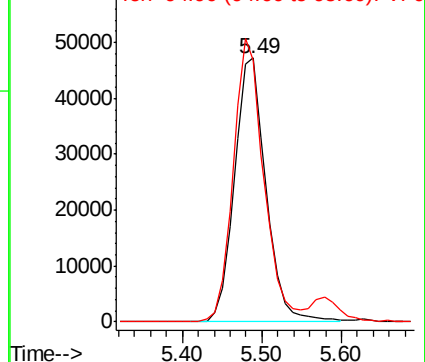
130 100

95 99.2 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.712 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

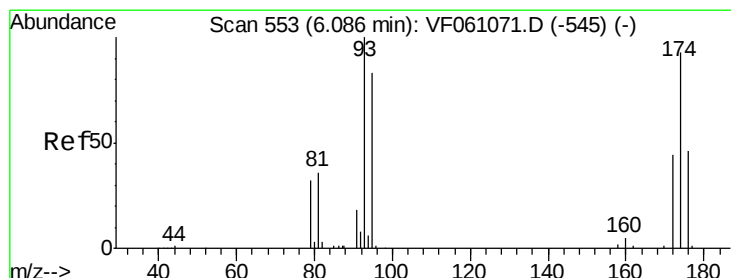
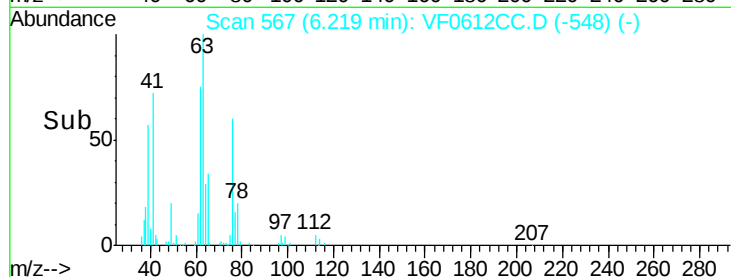
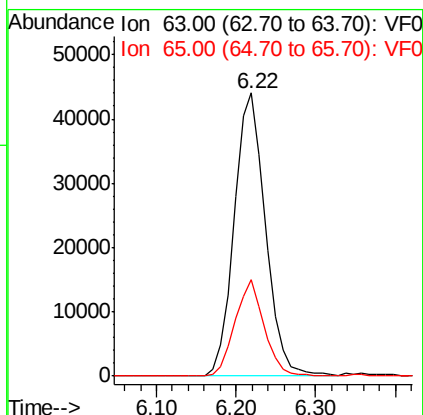
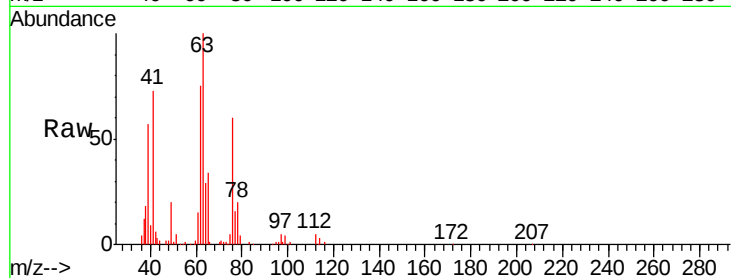
VSTDCCC050EC

Tgt Ion: 63 Resp: 120258

Ion Ratio Lower Upper

63 100

65 34.3 24.4 36.6



#46

Dibromomethane

Concen: 52.191 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

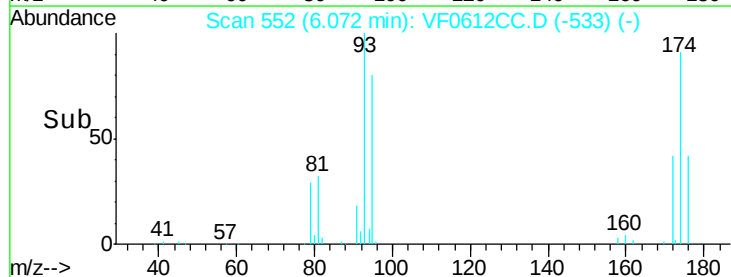
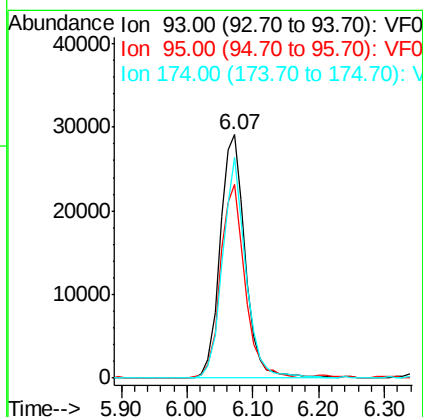
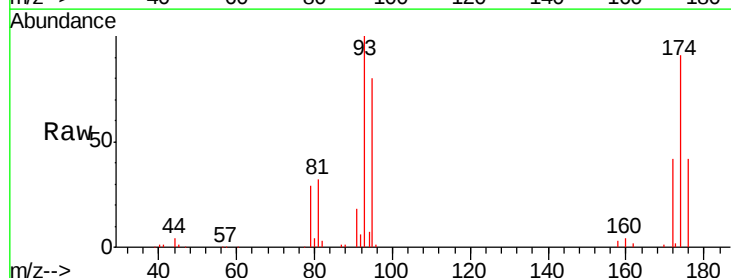
Tgt Ion: 93 Resp: 77227

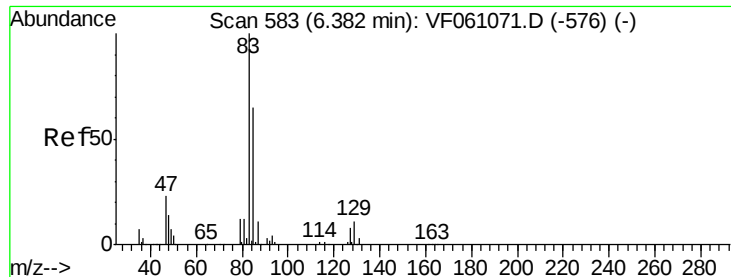
Ion Ratio Lower Upper

93 100

95 79.6 66.9 100.3

174 90.8 74.1 111.1





#47

Bromodichloromethane

Concen: 50.887 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

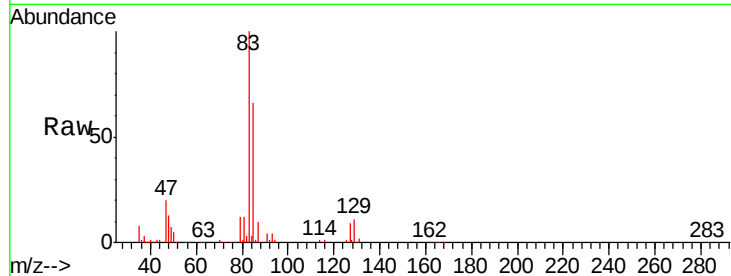
Tgt Ion: 83 Resp: 195642

Ion Ratio Lower Upper

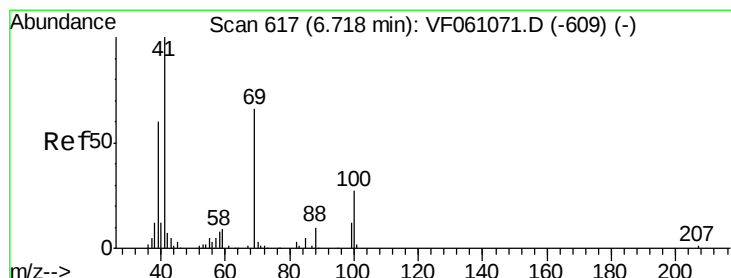
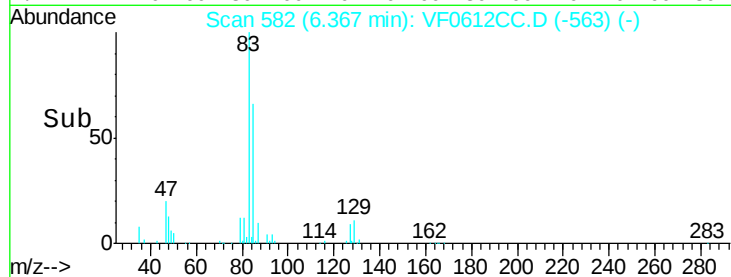
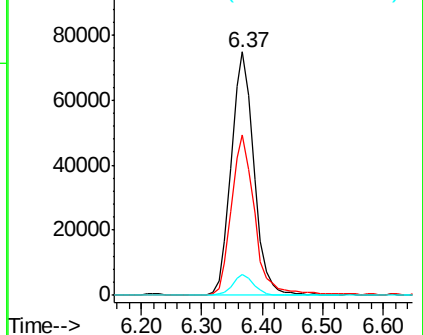
83 100

85 66.0 52.2 78.4

127 8.7 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 58.583 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

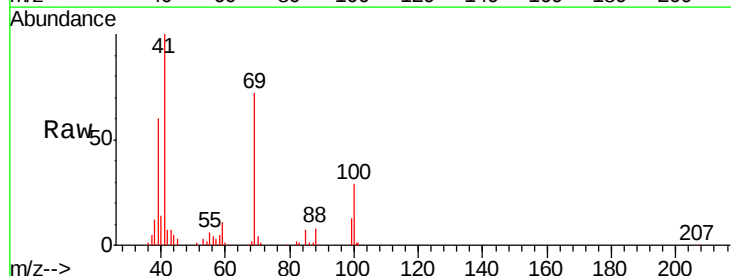
Tgt Ion: 41 Resp: 77000

Ion Ratio Lower Upper

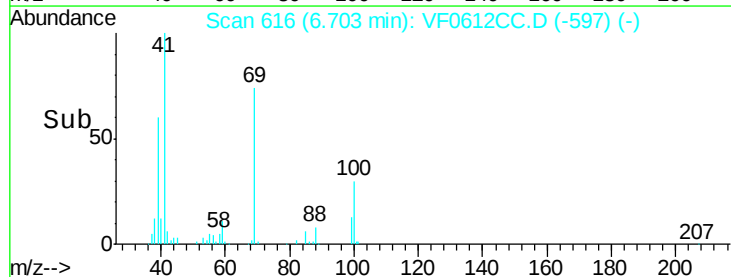
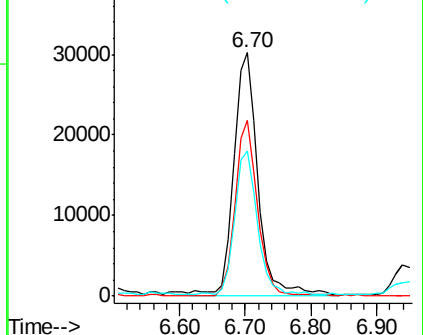
41 100

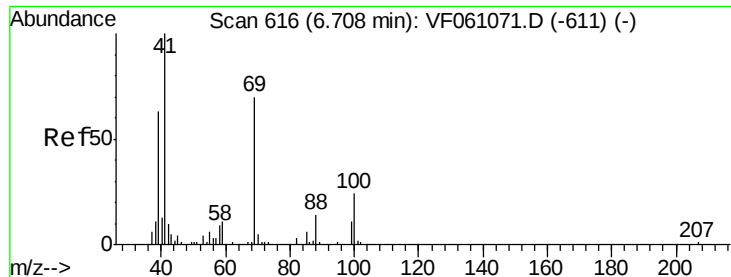
69 72.4 52.7 79.1

39 59.7 47.8 71.6



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

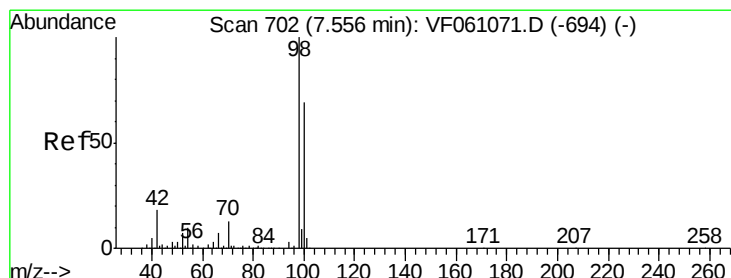
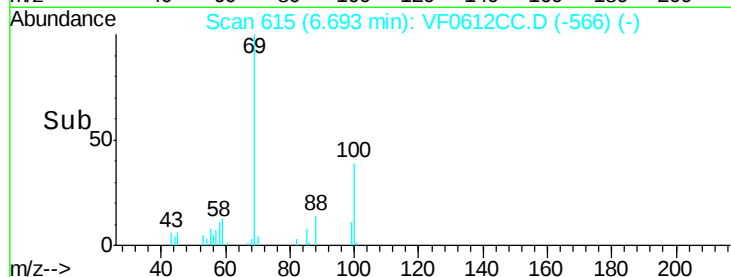
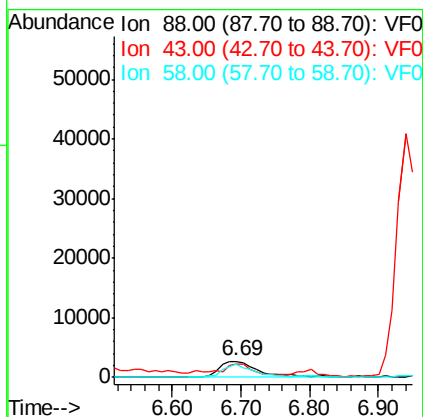
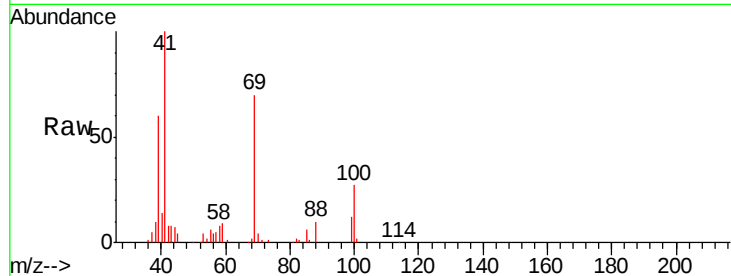




#49
 1,4-Dioxane
 Concen: 1126.759 ug/l
 RT: 6.69 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

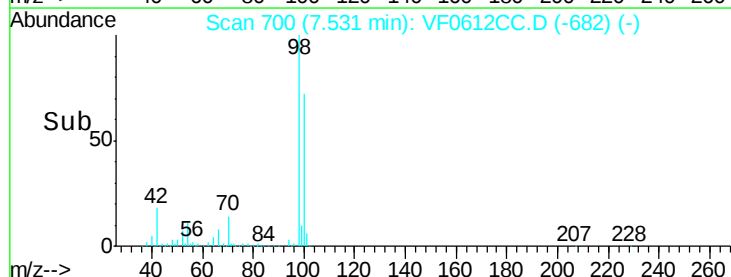
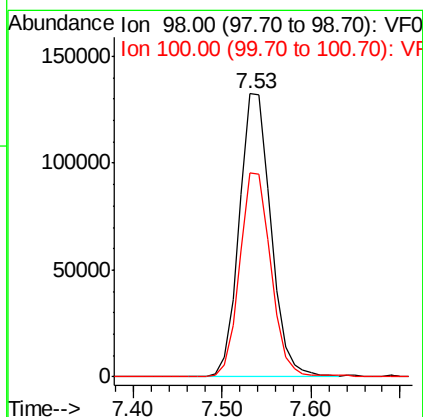
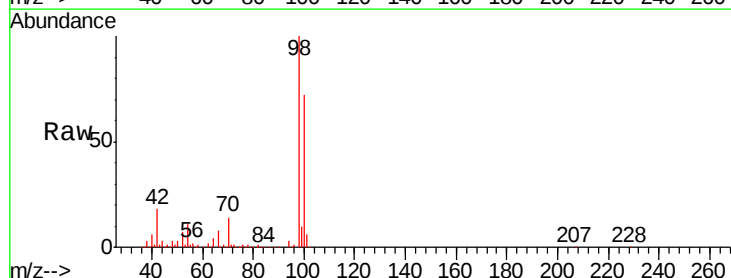
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

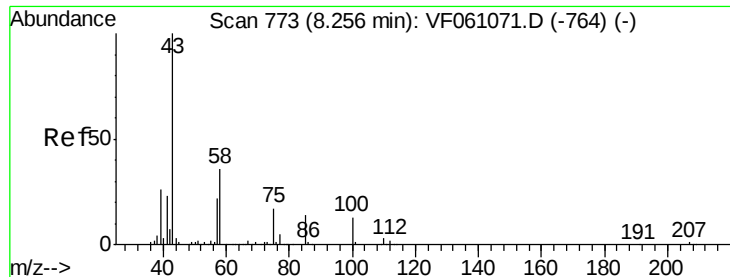
Tgt Ion: 88 Resp: 10746
 Ion Ratio Lower Upper
 88 100
 43 83.5 33.3 49.9#
 58 82.0 53.2 79.8#



#50
 Toluene-d8
 Concen: 44.519 ug/l
 RT: 7.53 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion: 98 Resp: 326473
 Ion Ratio Lower Upper
 98 100
 100 72.0 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 249.888 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

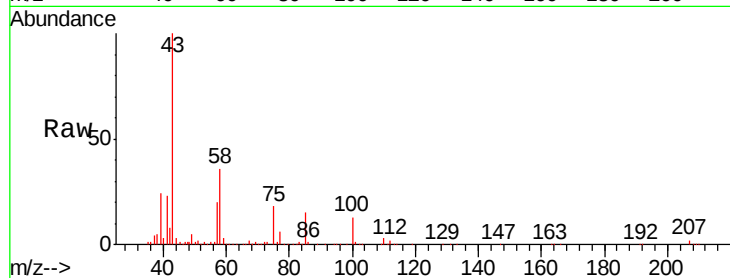
VSTDCCC050EC

Tgt Ion: 43 Resp: 322667

Ion Ratio Lower Upper

43 100

58 36.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

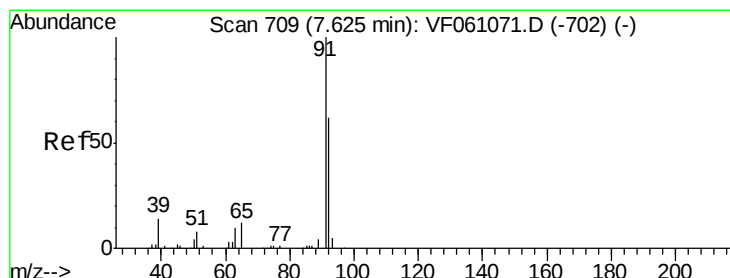
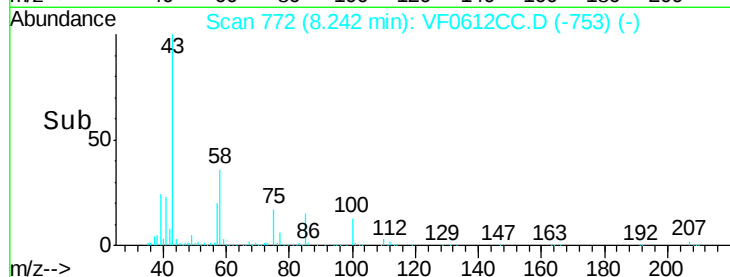
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.582 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF0612CC.D

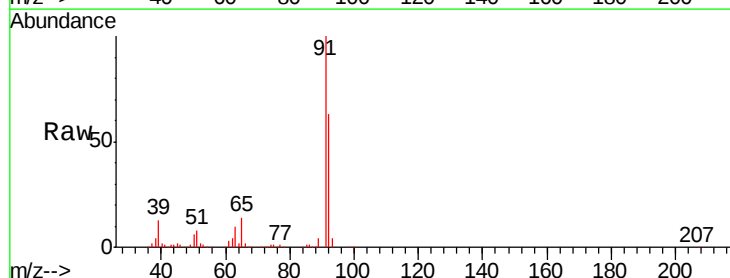
Acq: 27 Dec 2018 22:26

Tgt Ion: 92 Resp: 258566

Ion Ratio Lower Upper

92 100

91 158.3 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

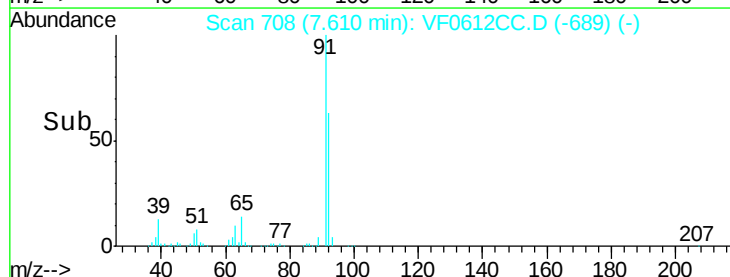
150000

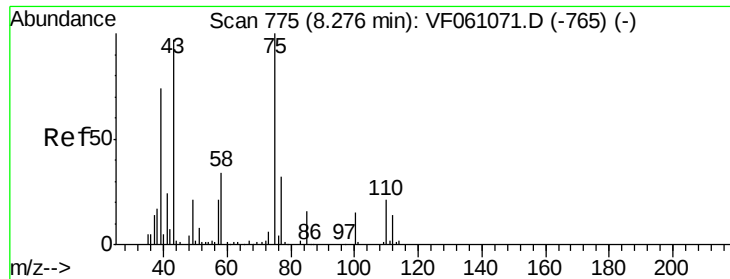
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.032 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

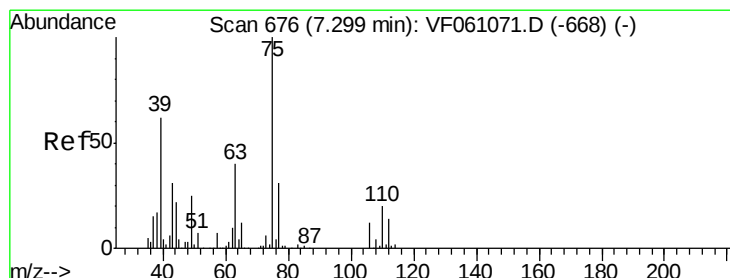
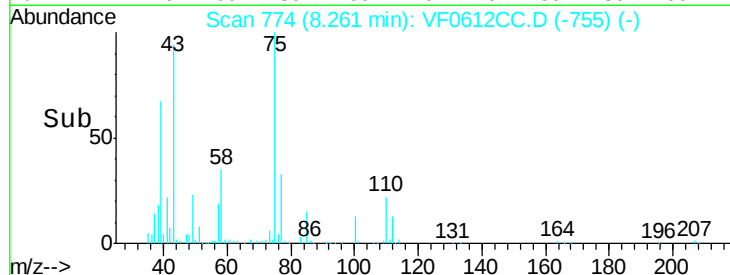
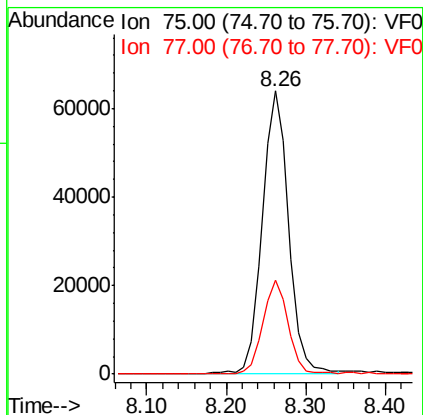
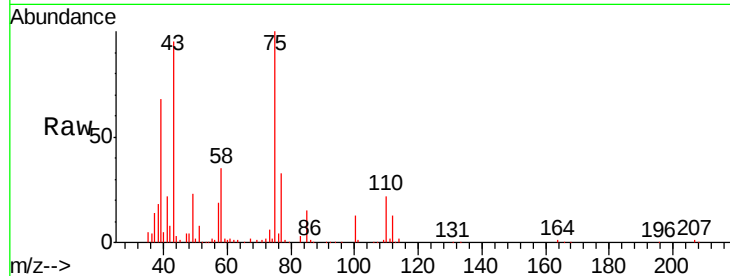
VSTDCCC050EC

Tgt Ion: 75 Resp: 145868

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 50.257 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

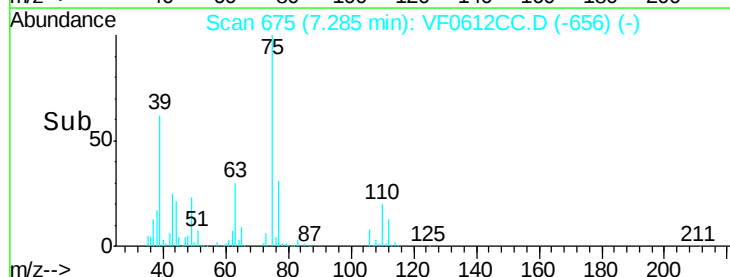
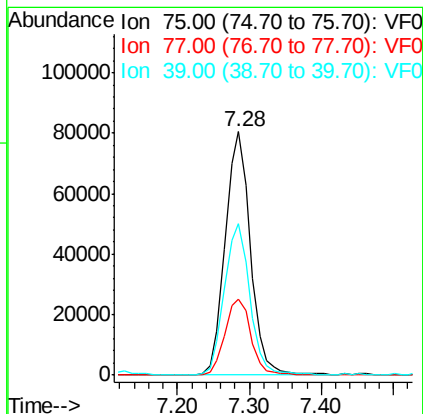
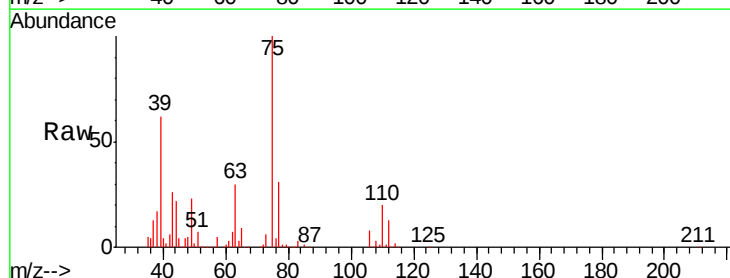
Tgt Ion: 75 Resp: 195632

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

39 62.3 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 53.254 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 88616

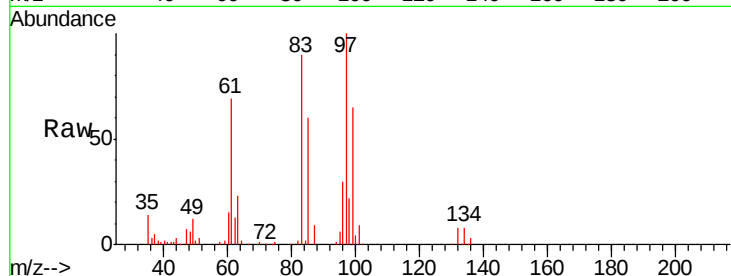
Ion Ratio Lower Upper

97 100

83 89.8 75.0 112.4

85 59.8 47.5 71.3

99 64.6 51.9 77.9

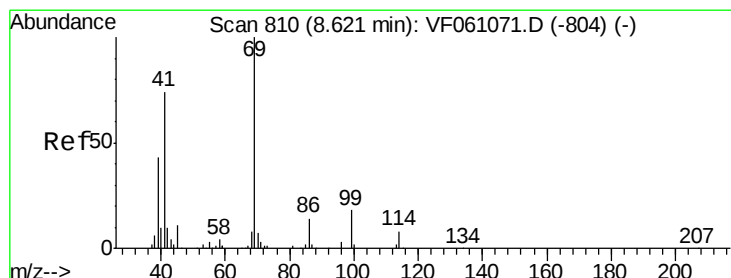
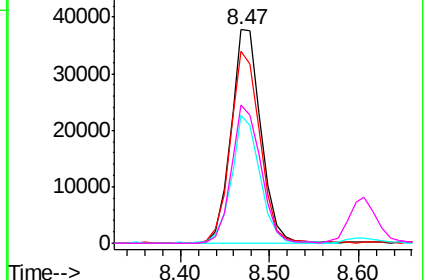
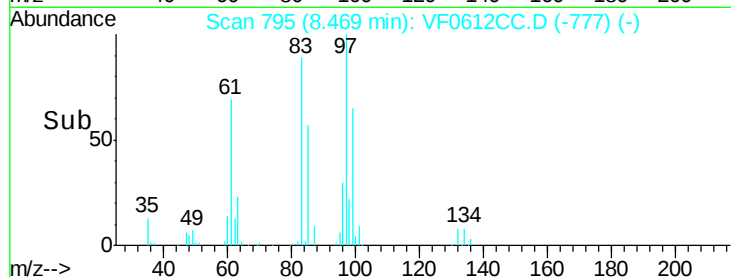


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 52.054 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

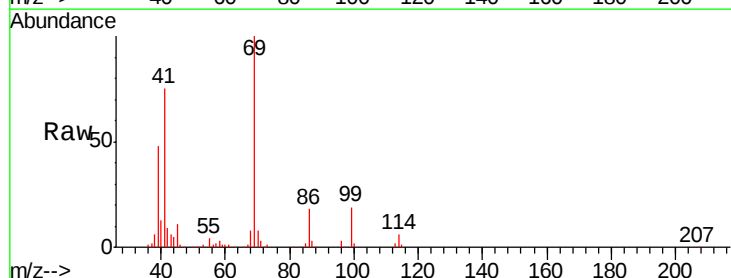
Tgt Ion: 69 Resp: 93729

Ion Ratio Lower Upper

69 100

41 75.1 59.7 89.5

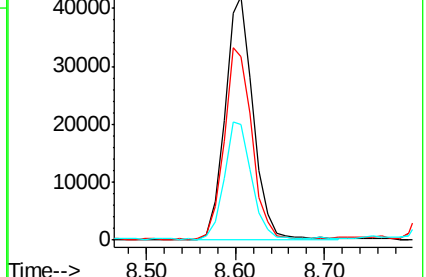
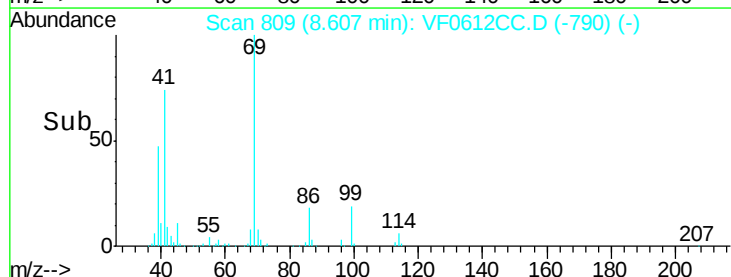
39 47.6 35.0 52.6

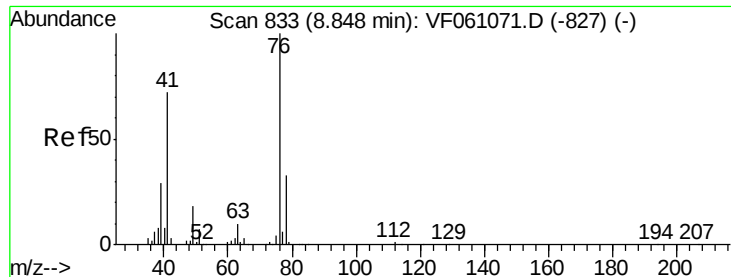


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.772 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

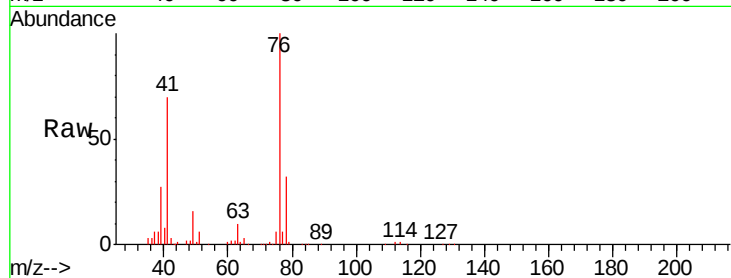
VSTDCCC050EC

Tgt Ion: 76 Resp: 155812

Ion Ratio Lower Upper

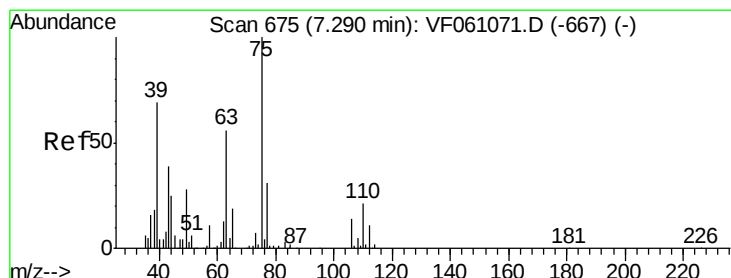
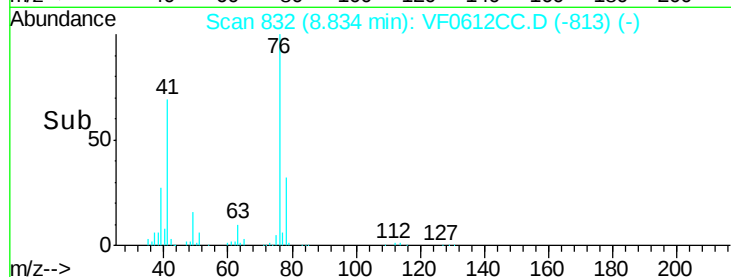
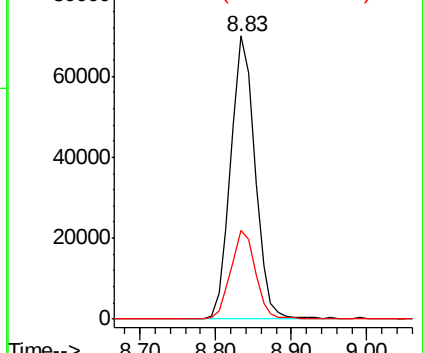
76 100

78 31.5 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 188.943 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF0612CC.D

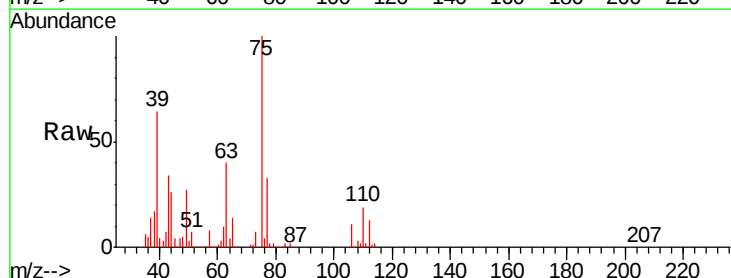
Acq: 27 Dec 2018 22:26

Tgt Ion: 63 Resp: 65340

Ion Ratio Lower Upper

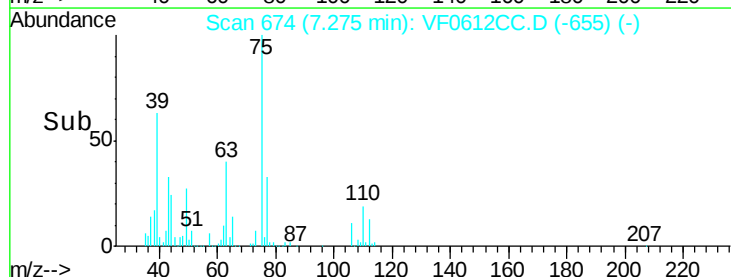
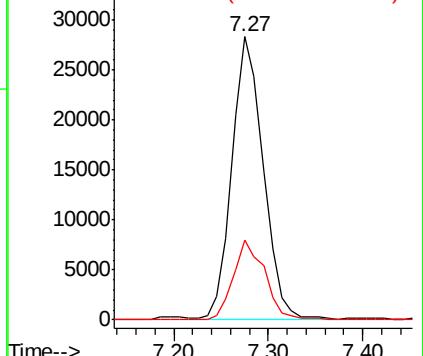
63 100

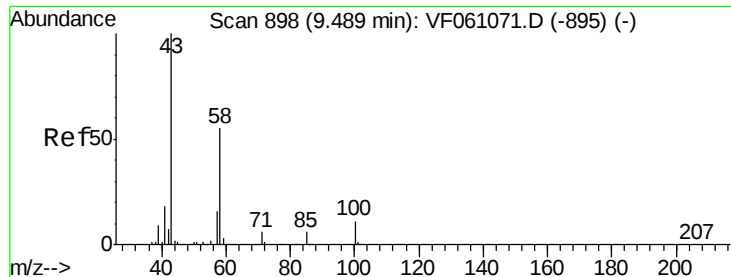
106 28.0 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

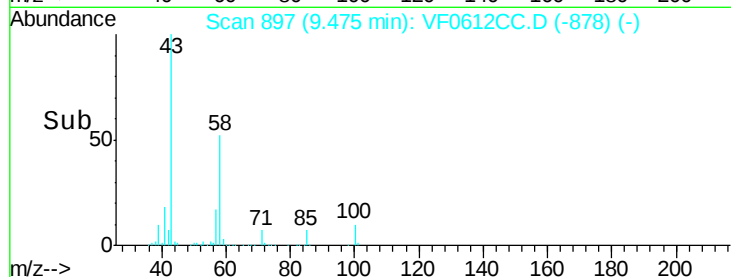
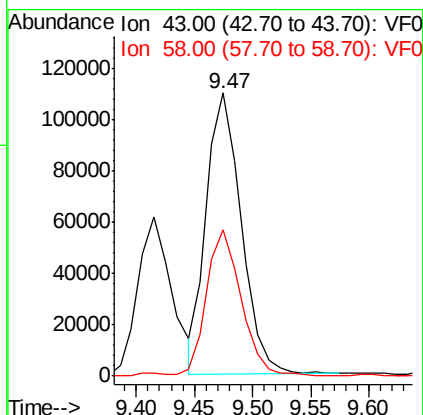
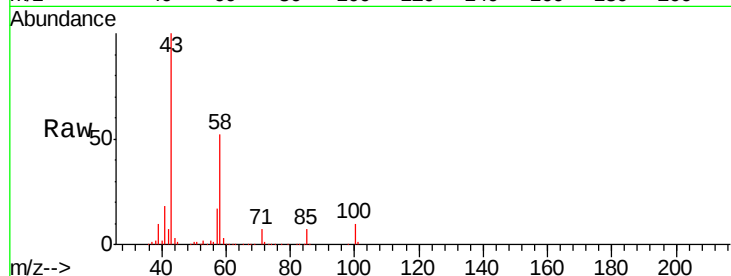




#59
2-Hexanone
Concen: 246.055 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

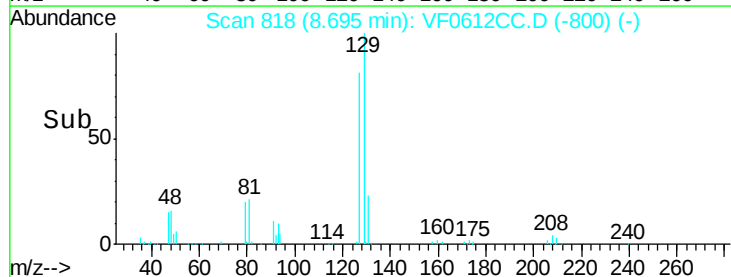
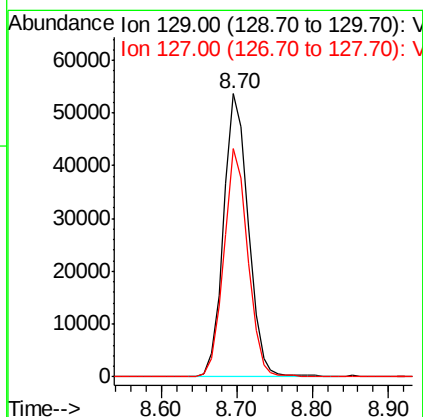
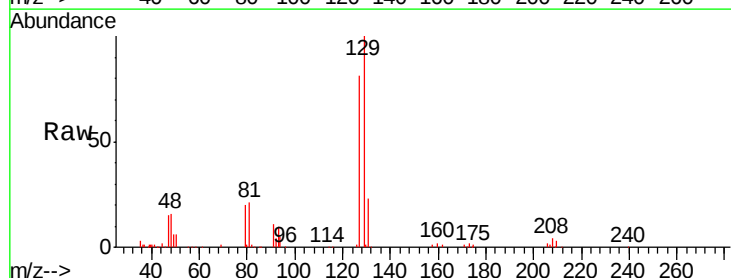
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

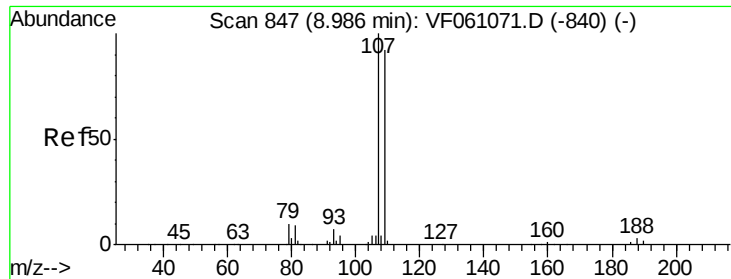
Tgt Ion: 43 Resp: 229766
Ion Ratio Lower Upper
43 100
58 51.9 25.1 75.2



#60
Dibromochloromethane
Concen: 50.903 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion: 129 Resp: 121420
Ion Ratio Lower Upper
129 100
127 80.7 36.8 110.3





#61

1,2-Dibromoethane

Concen: 52.396 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

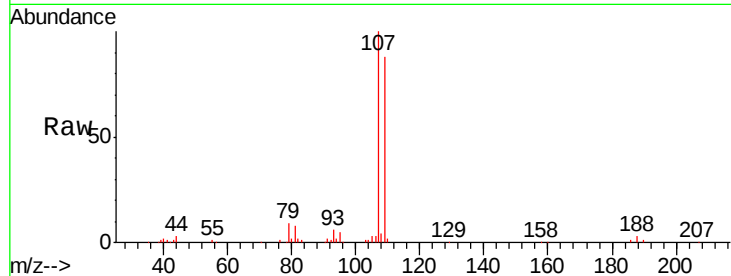
VSTDCCC050EC

Tgt Ion: 107 Resp: 93116

Ion Ratio Lower Upper

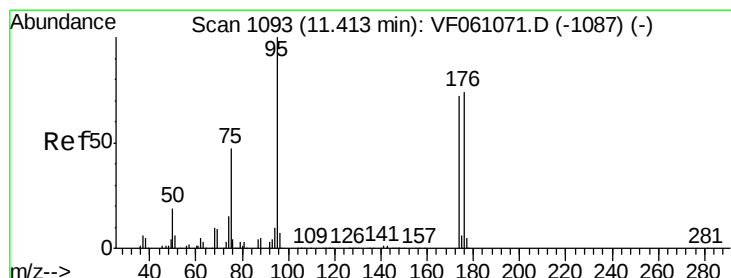
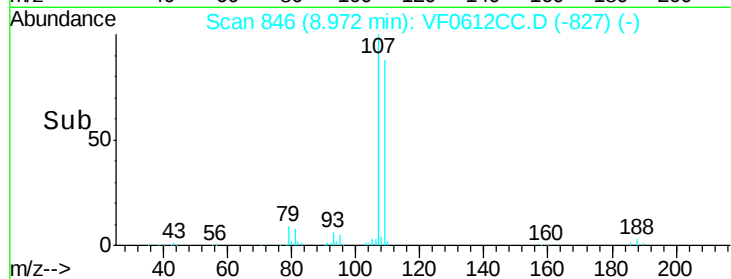
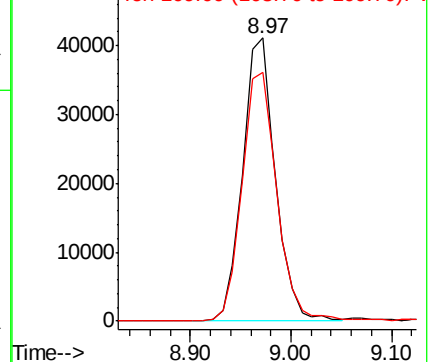
107 100

109 88.0 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.578 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

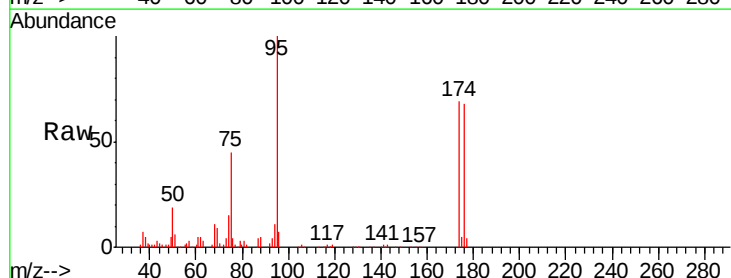
Tgt Ion: 95 Resp: 147326

Ion Ratio Lower Upper

95 100

174 69.2 0.0 143.8

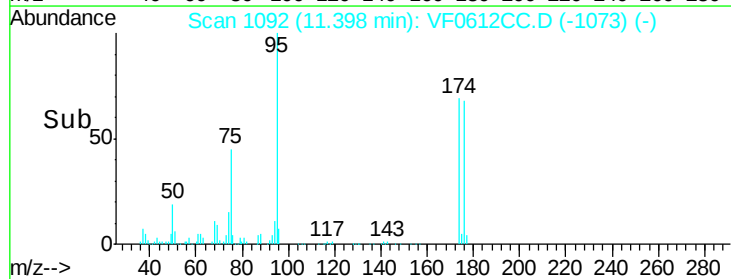
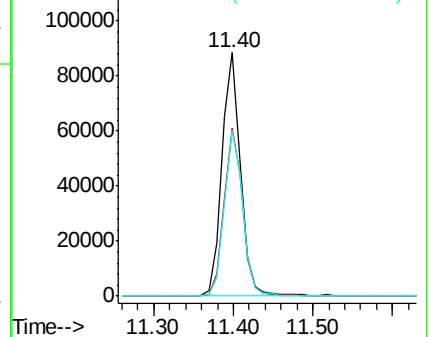
176 67.9 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

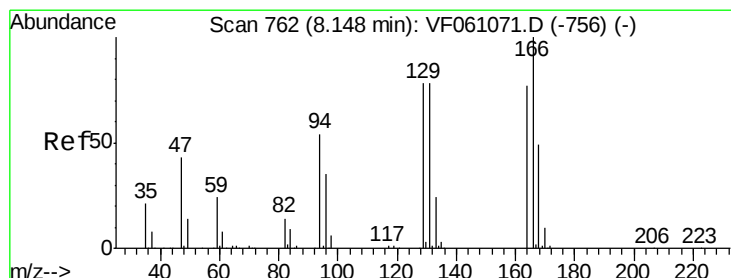
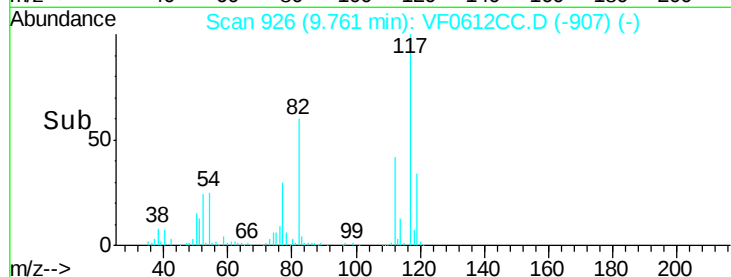
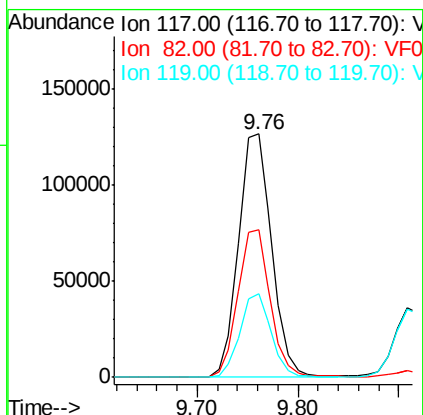
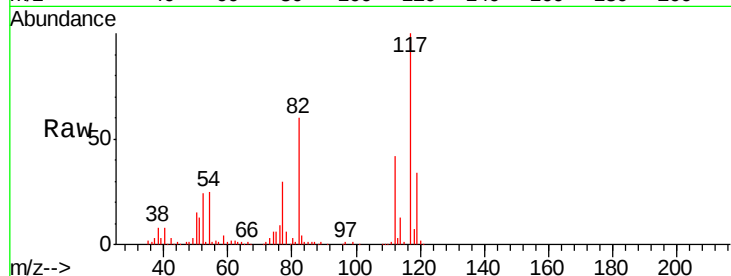




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

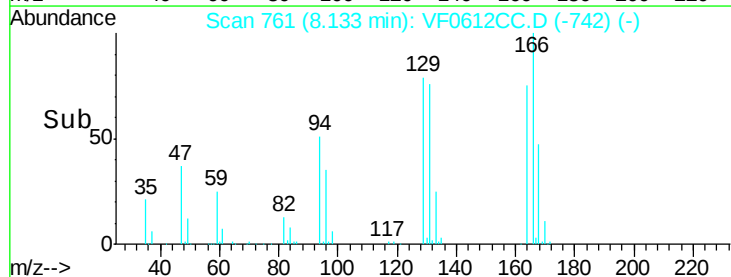
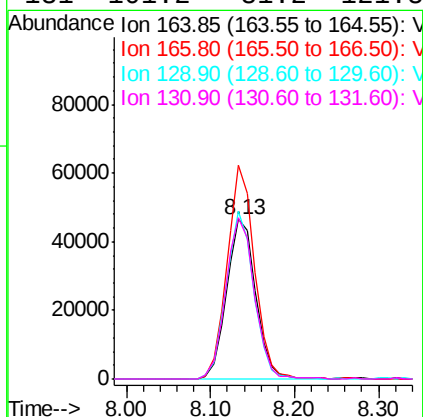
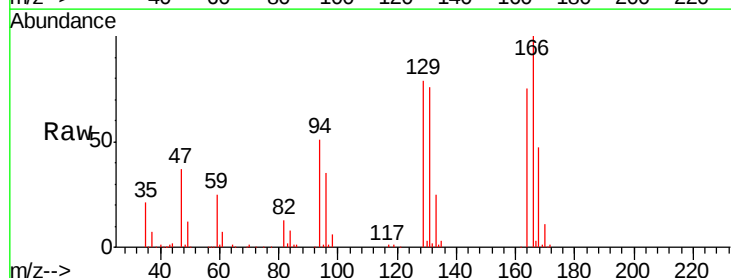
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 291213
Ion Ratio Lower Upper
117 100
82 60.4 45.0 67.4
119 34.3 24.8 37.2



#64
Tetrachloroethene
Concen: 49.900 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion:164 Resp: 111785
Ion Ratio Lower Upper
164 100
166 133.7 104.0 156.0
129 105.2 81.1 121.7
131 101.2 81.2 121.8

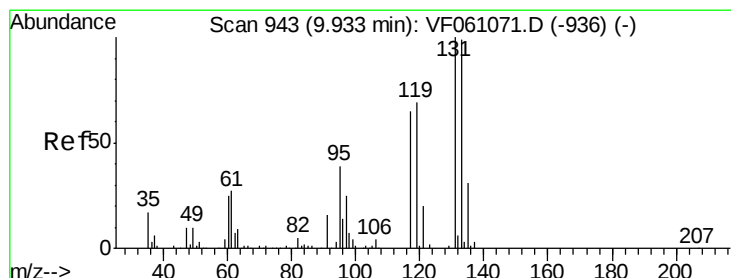
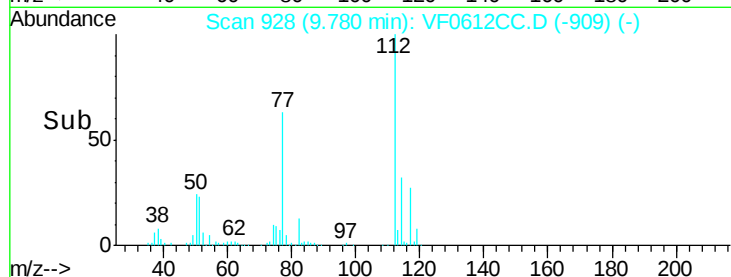
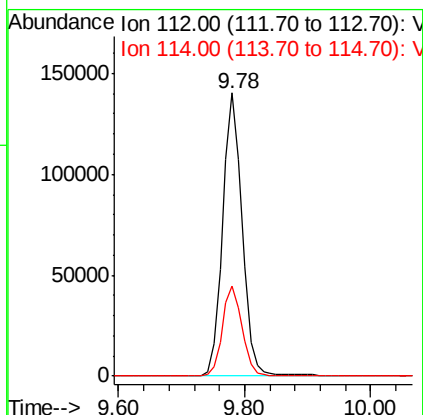
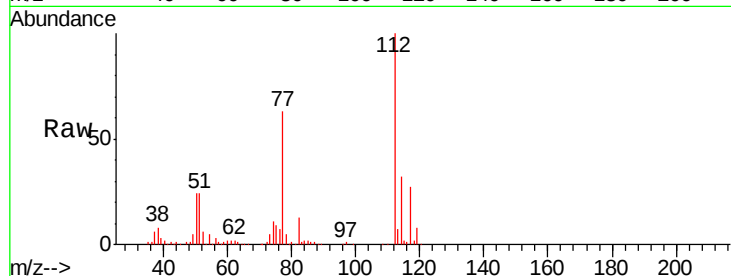




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

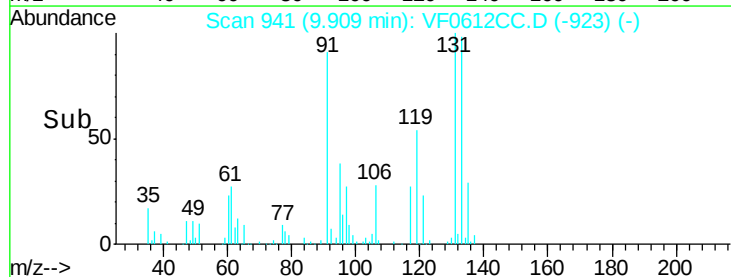
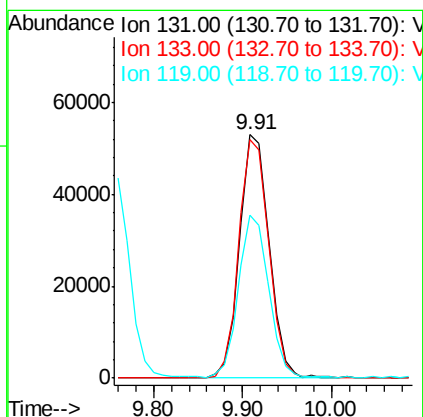
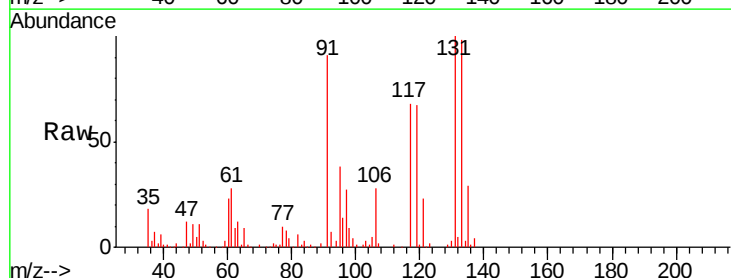
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

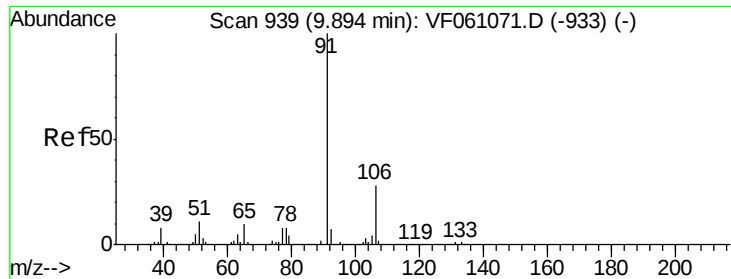
Tgt Ion:112 Resp: 304291
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.871 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion:131 Resp: 122609
Ion Ratio Lower Upper
131 100
133 98.2 49.5 148.7
119 67.1 34.5 103.5





#67

Ethyl Benzene

Concen: 50.988 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

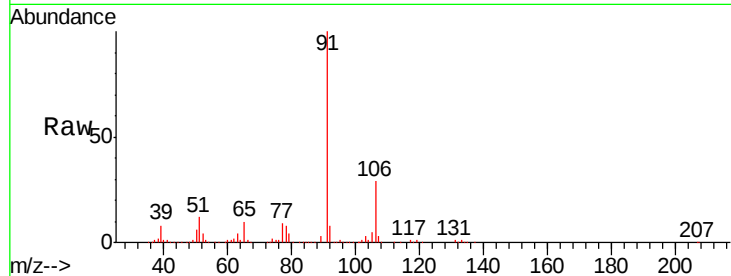
VSTDCCC050EC

Tgt Ion: 91 Resp: 558833

Ion Ratio Lower Upper

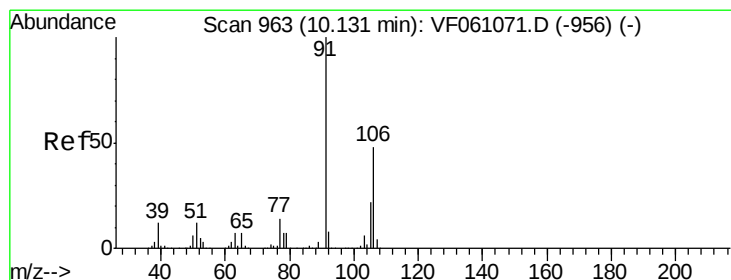
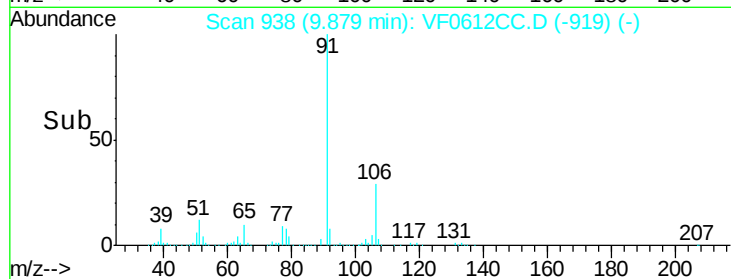
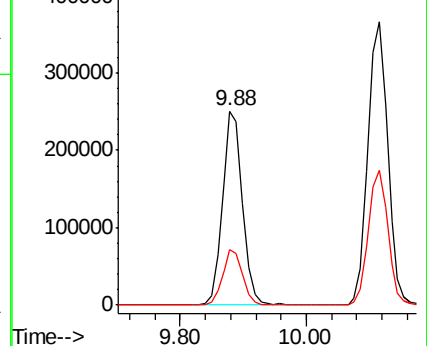
91 100

106 28.9 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.213 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF0612CC.D

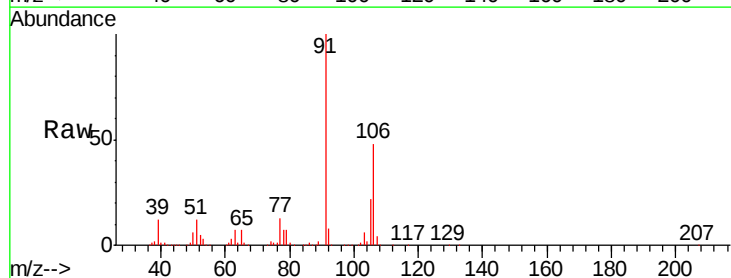
Acq: 27 Dec 2018 22:26

Tgt Ion: 106 Resp: 374962

Ion Ratio Lower Upper

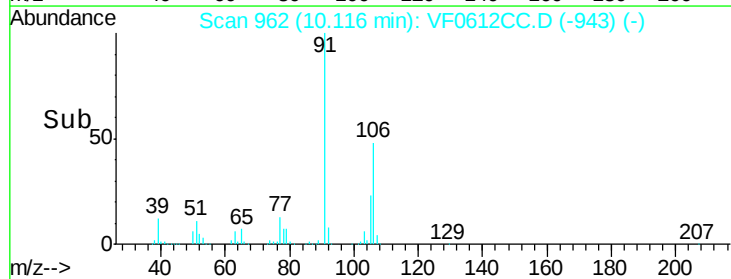
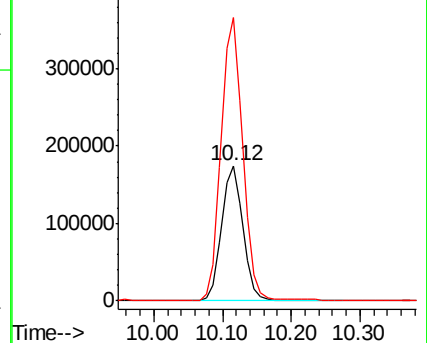
106 100

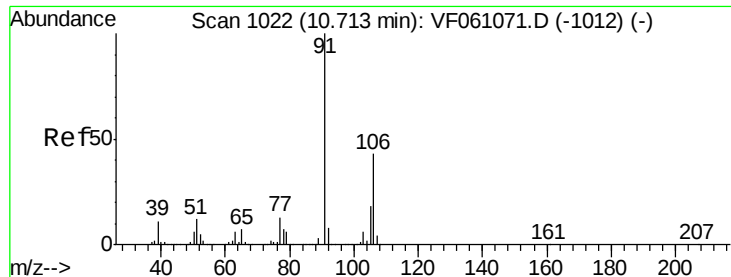
91 209.5 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

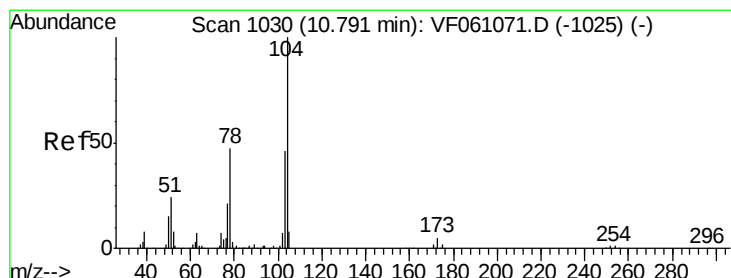
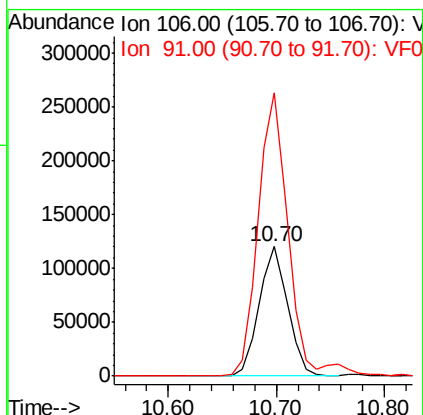
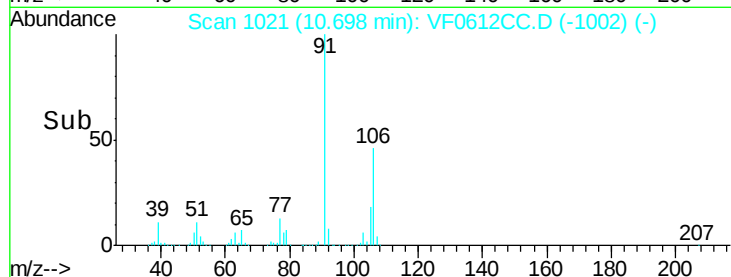
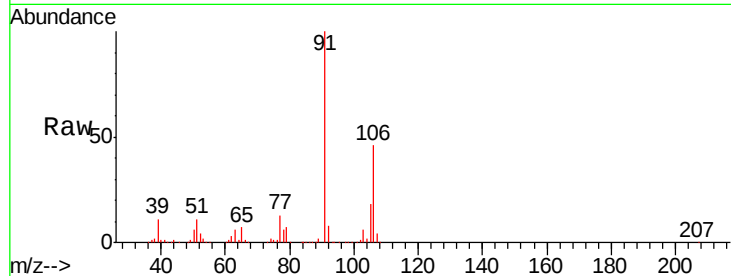




#69
o-Xylene
Concen: 51.803 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

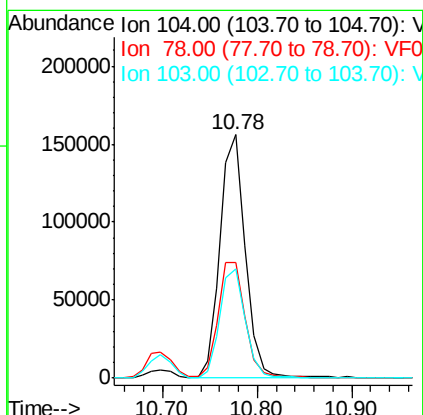
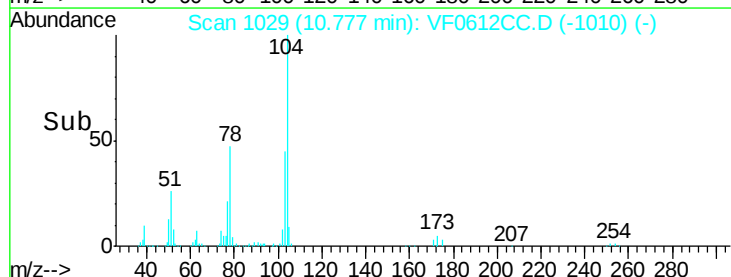
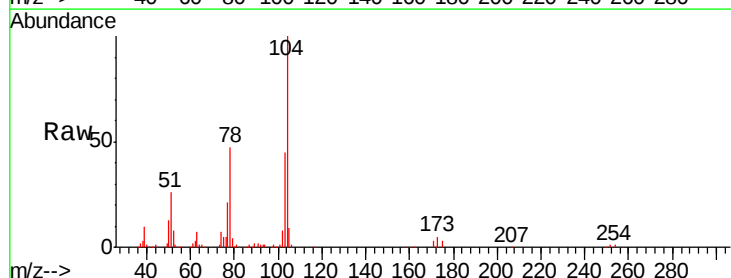
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

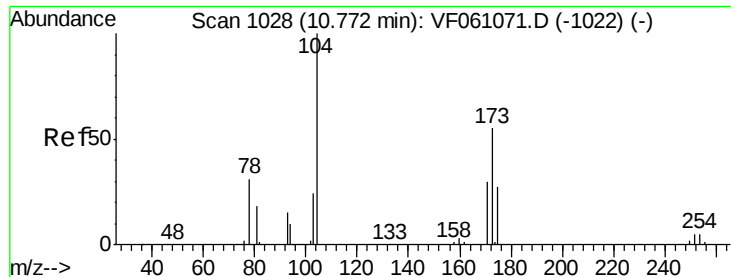
Tgt Ion:106 Resp: 221606
Ion Ratio Lower Upper
106 100
91 218.7 115.9 347.7



#70
Styrene
Concen: 56.156 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion:104 Resp: 289593
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 44.9 37.0 55.6





#71

Bromoform

Concen: 50.553 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

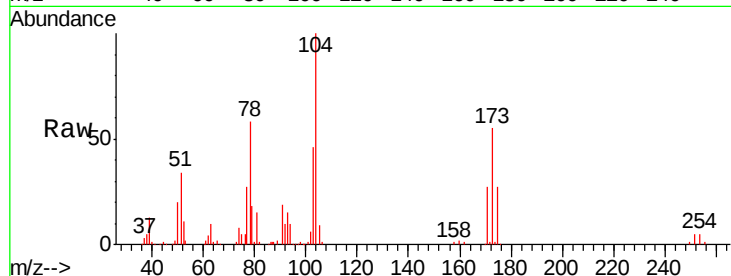
Tgt Ion:173 Resp: 57500

Ion Ratio Lower Upper

173 100

175 50.4 24.8 74.4

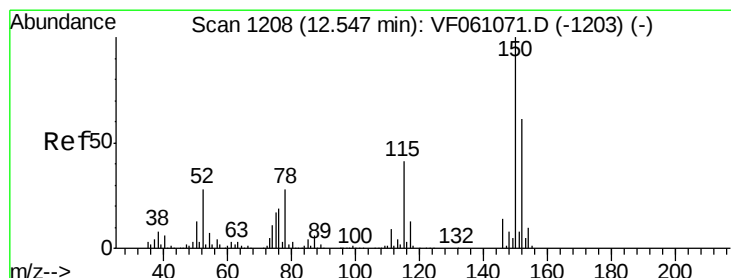
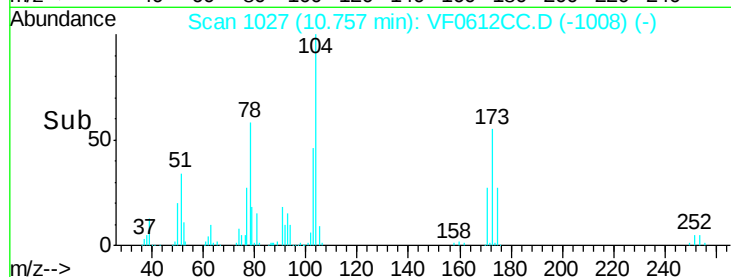
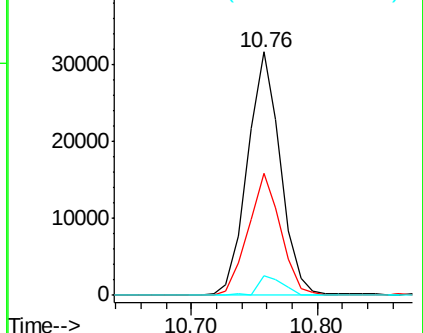
254 8.2 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

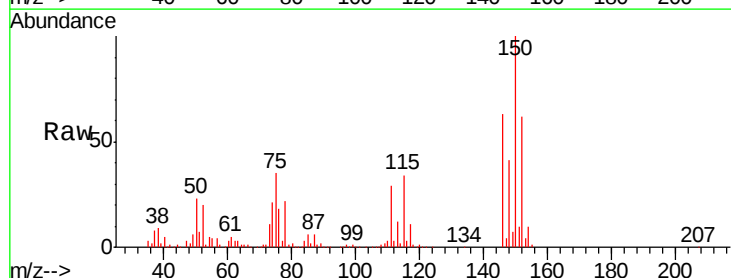
Tgt Ion:152 Resp: 139018

Ion Ratio Lower Upper

152 100

115 55.3 33.3 99.9

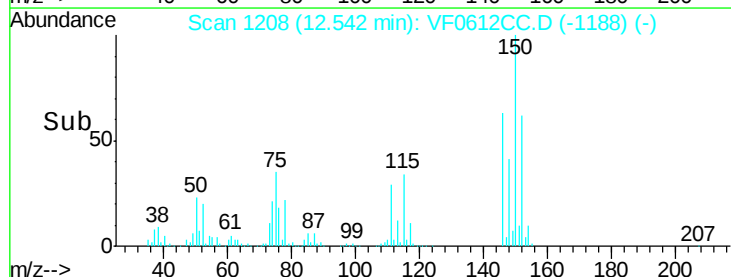
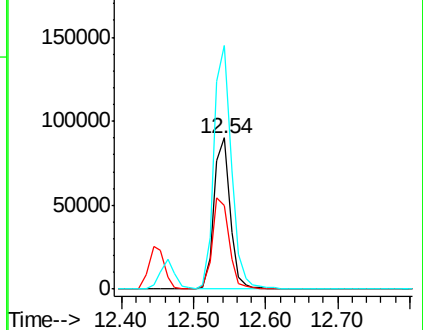
150 161.1 0.0 328.2

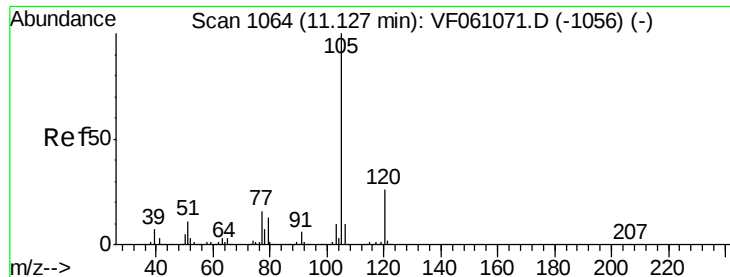


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.332 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

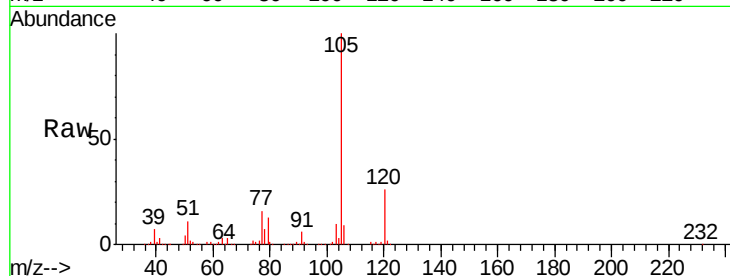
VSTDCCC050EC

Tgt Ion: 105 Resp: 638917

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

400000

300000

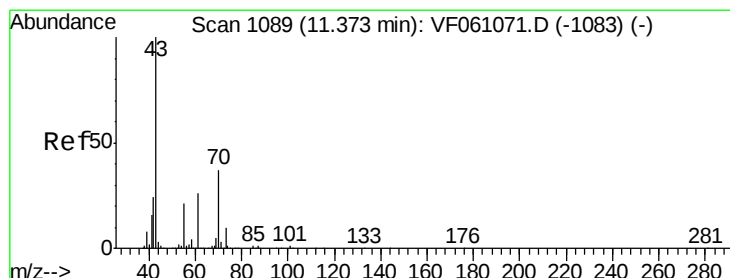
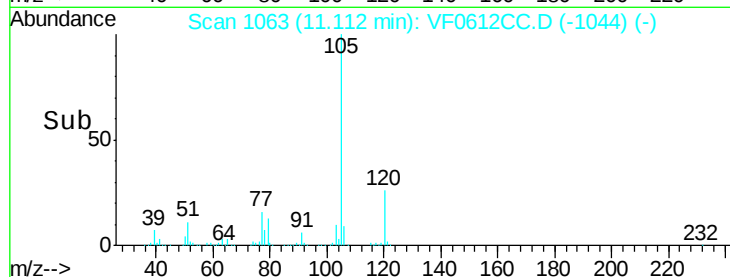
200000

100000

0

Time-->

11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 56.751 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Tgt Ion: 43 Resp: 150943

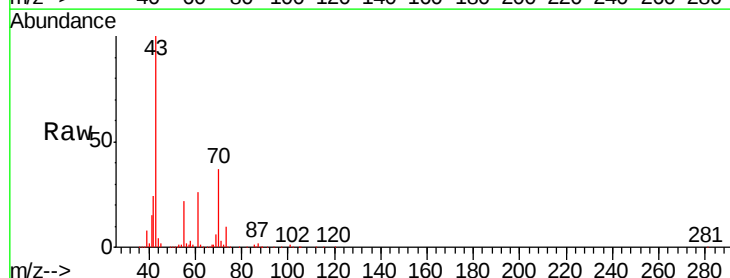
Ion Ratio Lower Upper

43 100

70 37.0 29.2 43.8

55 21.9 16.5 24.7

61 25.6 20.7 31.1



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

150000

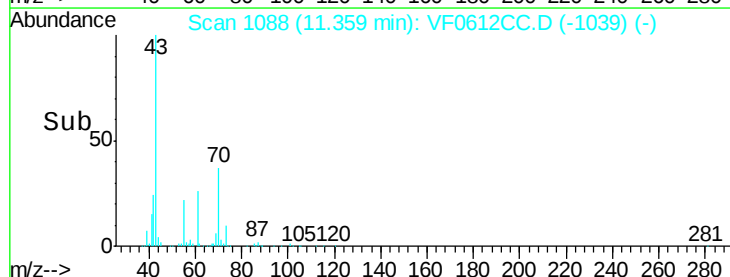
100000

50000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 55.016 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

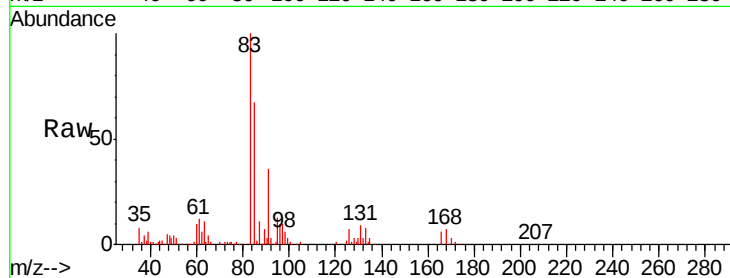
Tgt Ion: 83 Resp: 109386

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

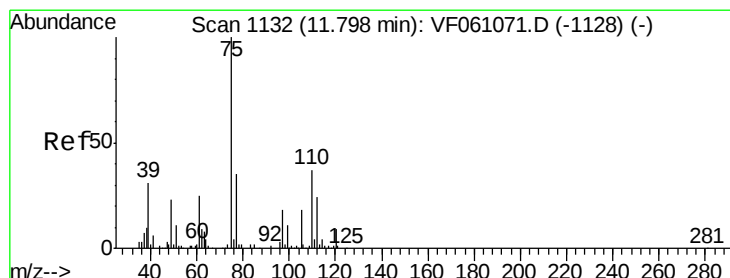
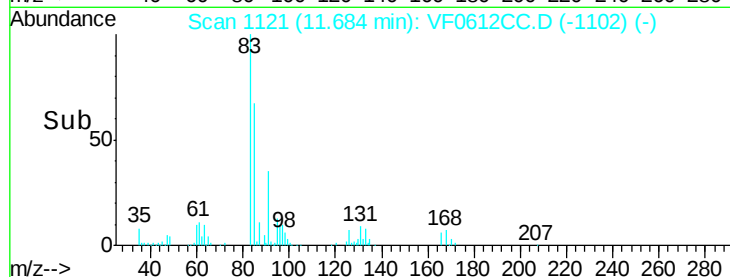
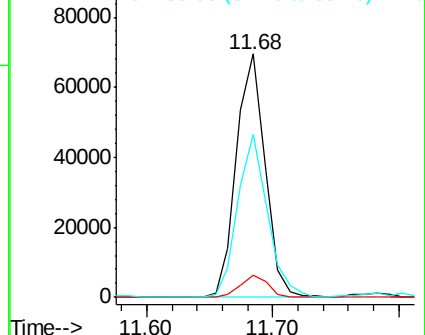
85 66.8 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 54.444 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF0612CC.D

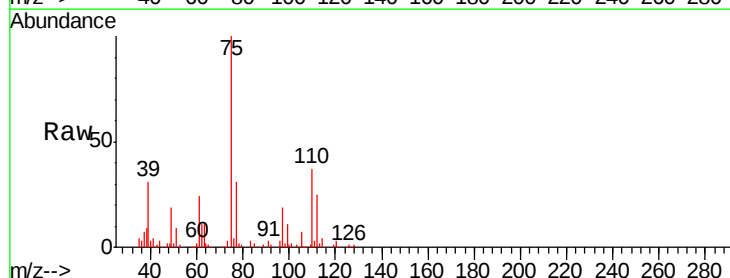
Acq: 27 Dec 2018 22:26

Tgt Ion: 75 Resp: 80559

Ion Ratio Lower Upper

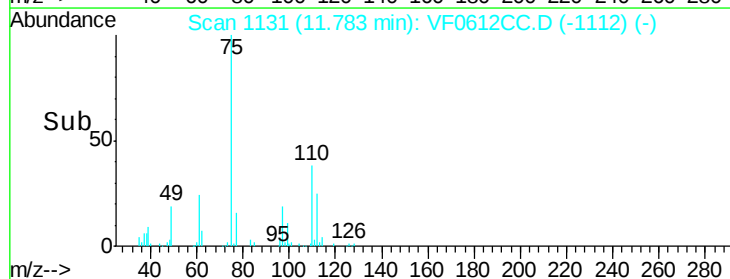
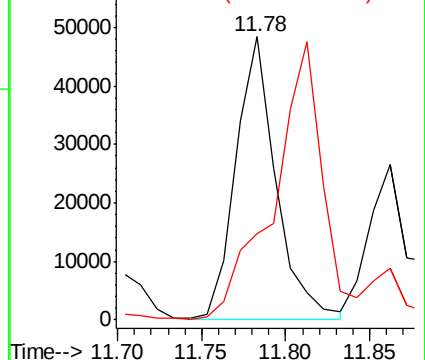
75 100

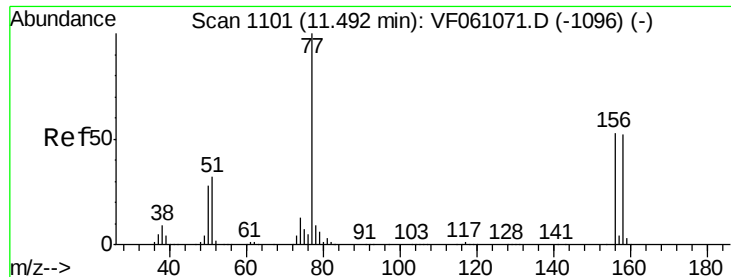
77 30.6 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.720 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

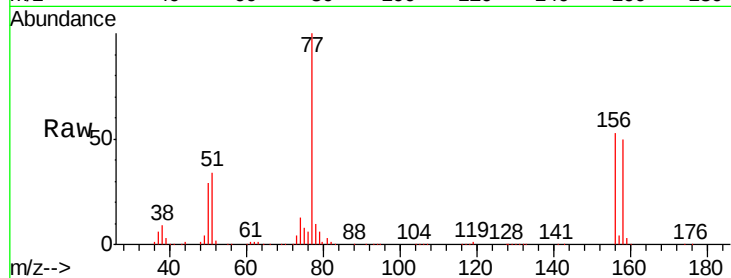
Tgt Ion:156 Resp: 130799

Ion Ratio Lower Upper

156 100

77 188.2 93.8 281.4

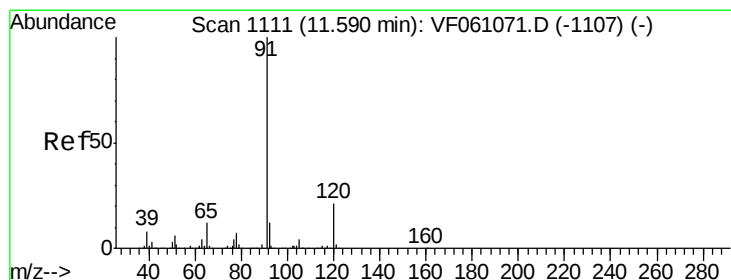
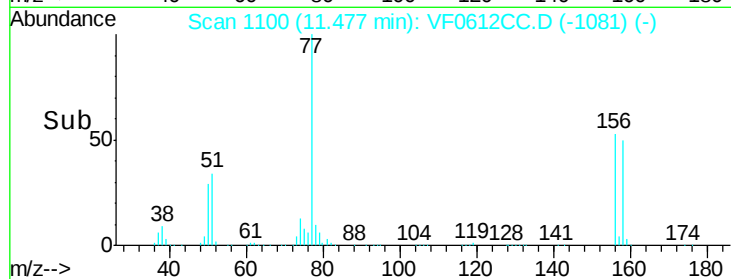
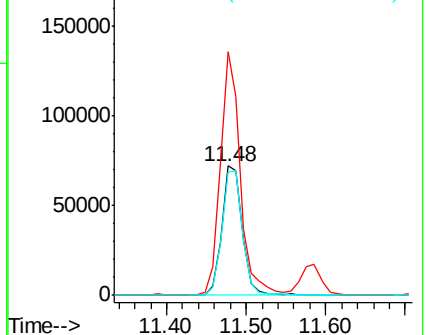
158 94.9 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.853 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF0612CC.D

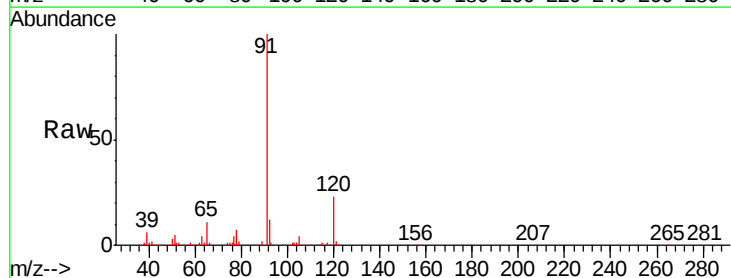
Acq: 27 Dec 2018 22:26

Tgt Ion: 91 Resp: 709696

Ion Ratio Lower Upper

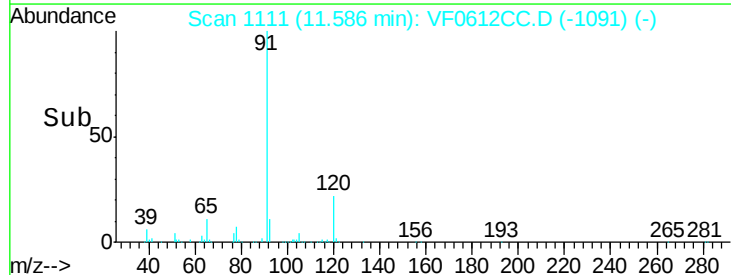
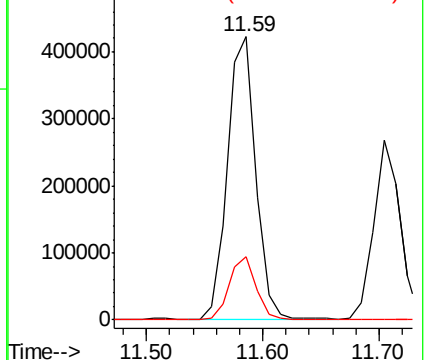
91 100

120 22.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.536 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

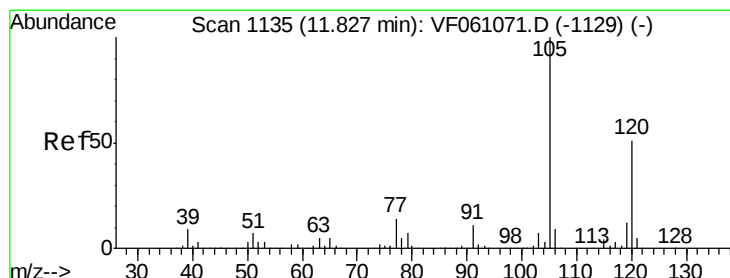
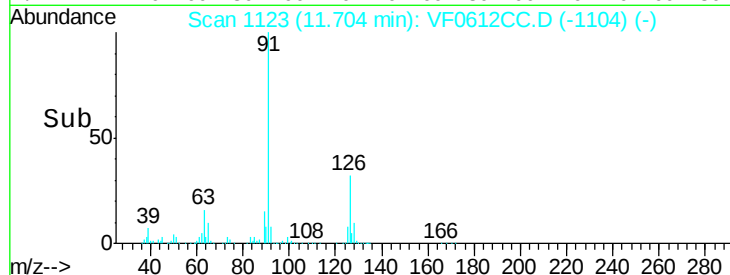
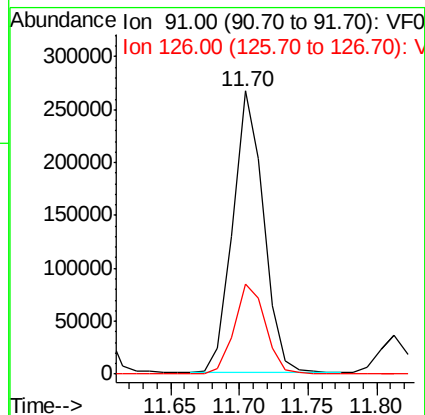
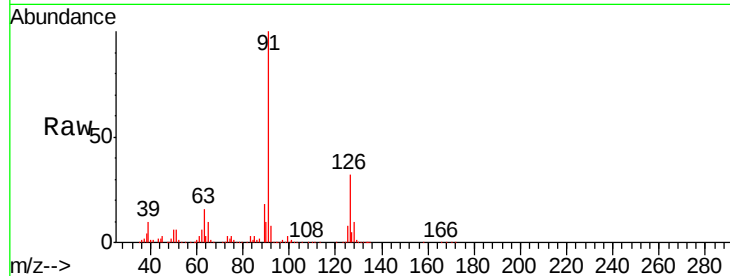
VSTDCCC050EC

Tgt Ion: 91 Resp: 415320

Ion Ratio Lower Upper

91 100

126 31.8 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 49.823 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF0612CC.D

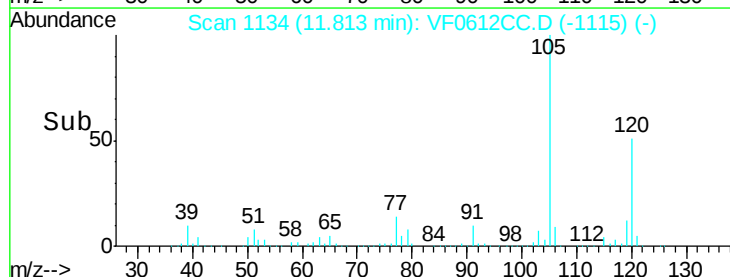
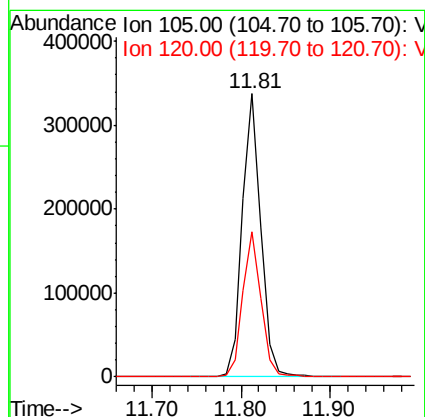
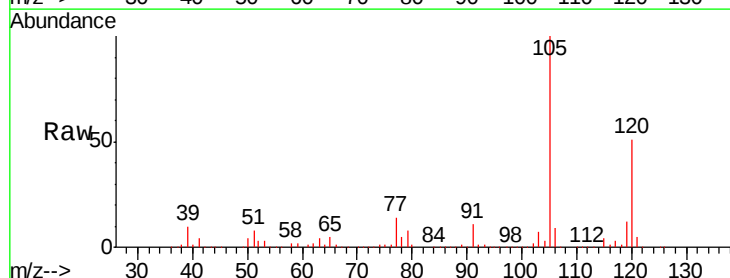
Acq: 27 Dec 2018 22:26

Tgt Ion: 105 Resp: 491479

Ion Ratio Lower Upper

105 100

120 51.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 80.322 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

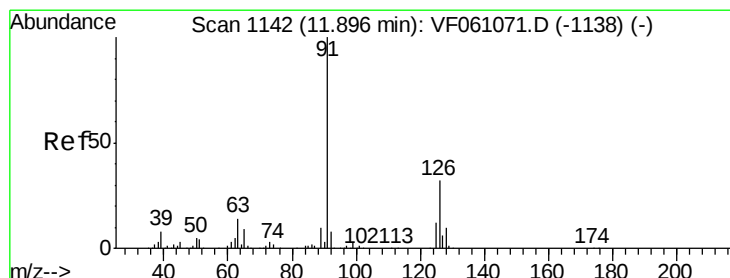
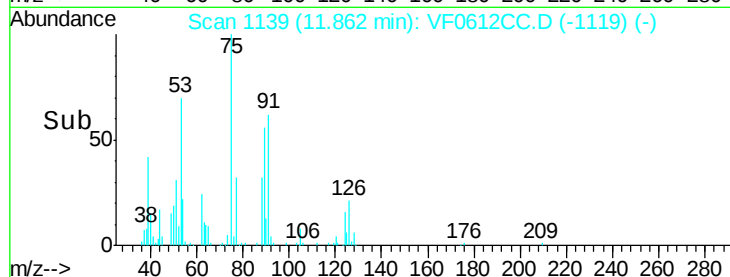
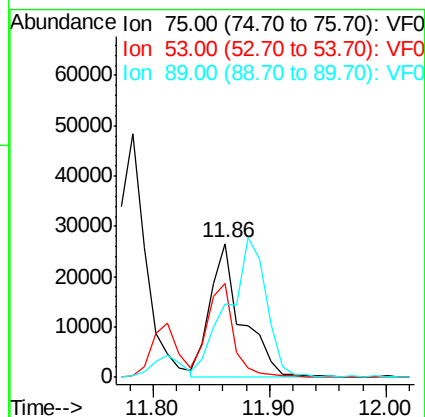
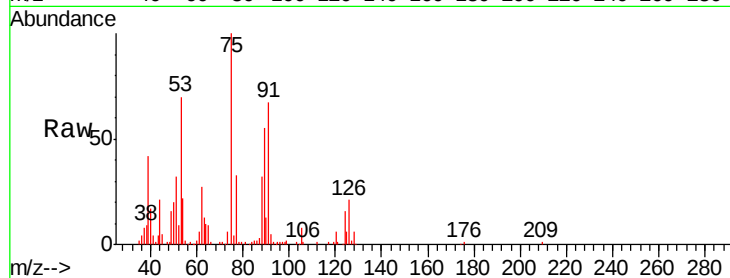
Tgt Ion: 75 Resp: 51071

Ion Ratio Lower Upper

75 100

53 69.8 74.1 111.1#

89 55.3 42.6 64.0



#82

4-Chlorotoluene

Concen: 50.473 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF0612CC.D

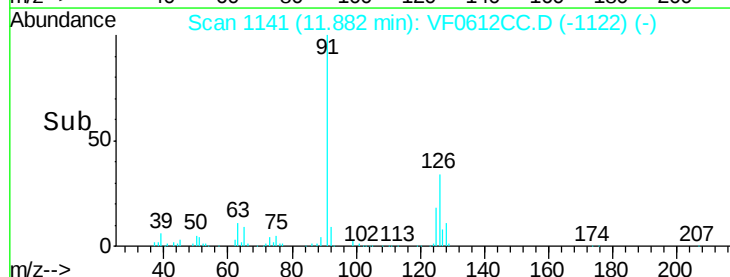
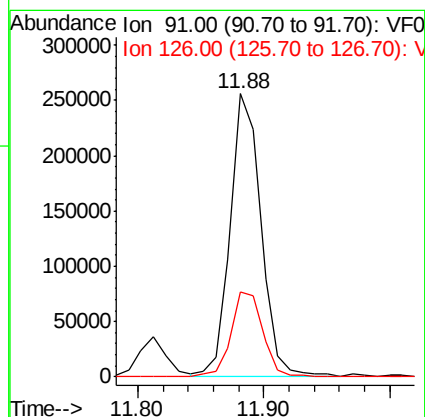
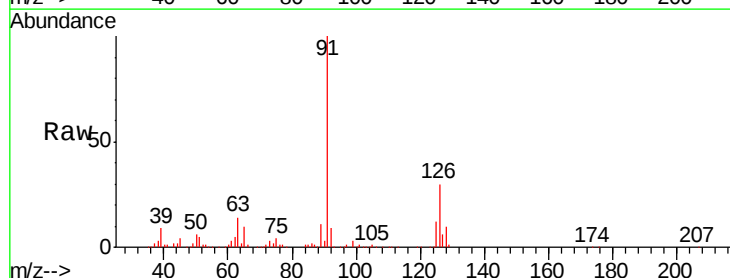
Acq: 27 Dec 2018 22:26

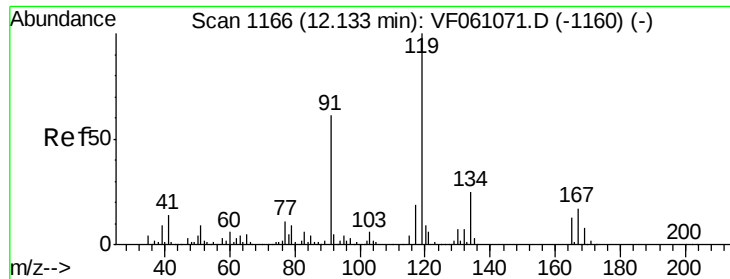
Tgt Ion: 91 Resp: 429095

Ion Ratio Lower Upper

91 100

126 30.2 16.0 47.9

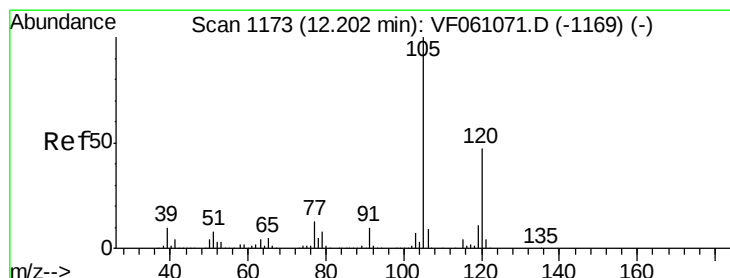
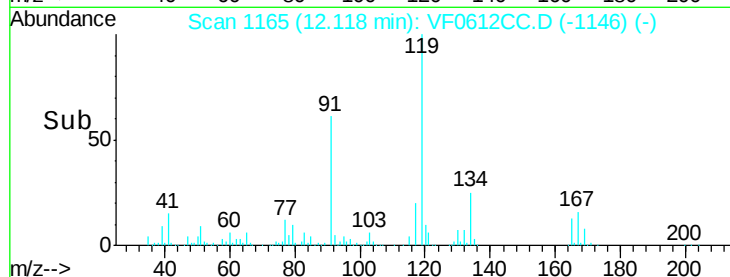
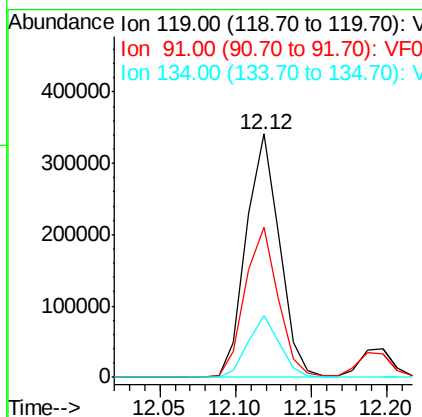
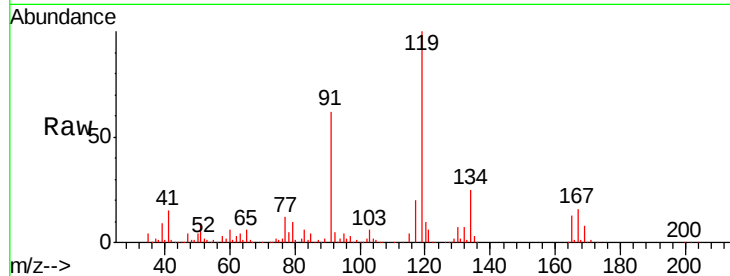




#83
 tert-Butylbenzene
 Concen: 52.101 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

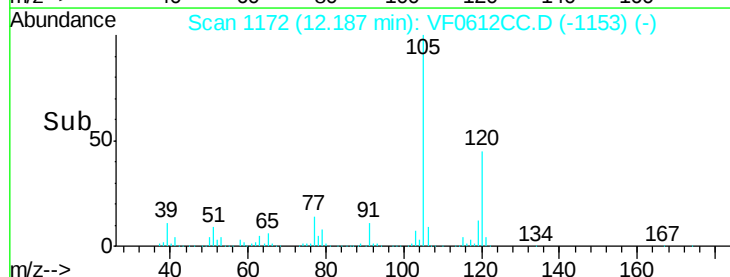
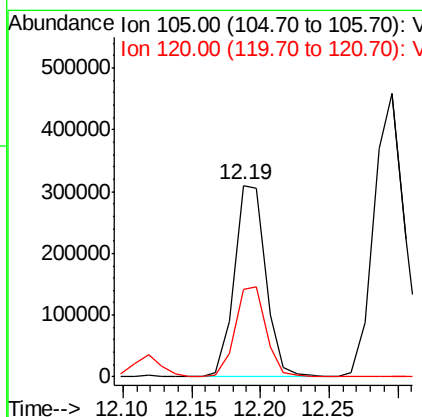
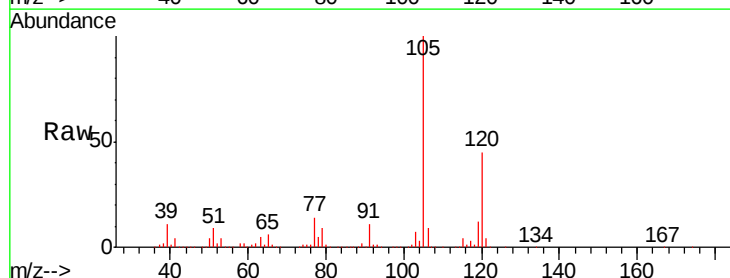
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 528869
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.5 91.5
 134 25.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.307 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion:105 Resp: 494875
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.6 71.0

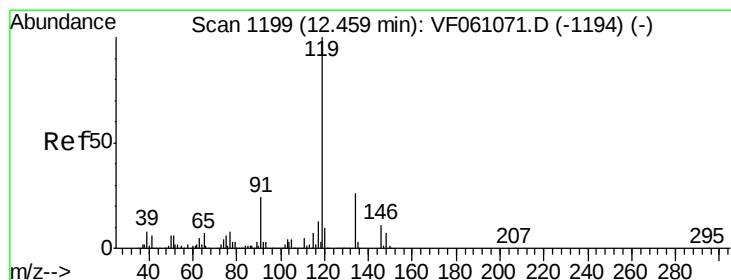
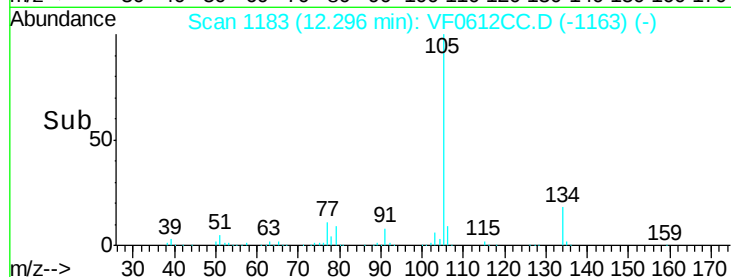
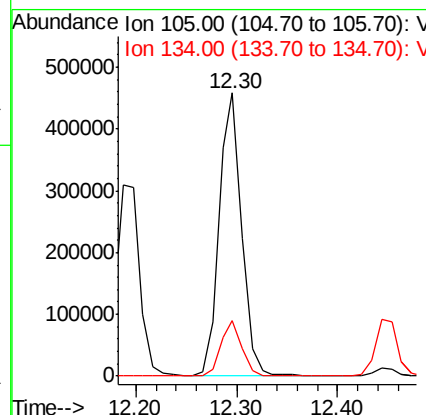
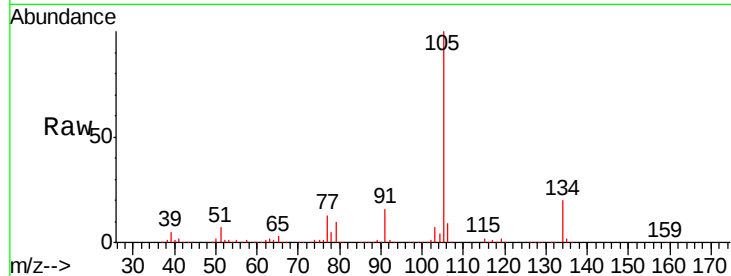




#85
 sec-Butylbenzene
 Concen: 53.634 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

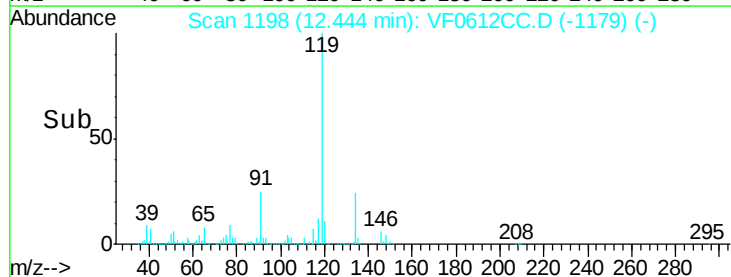
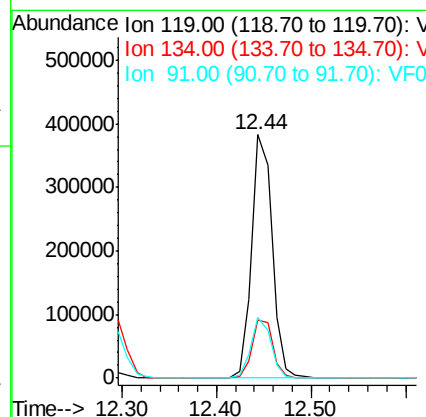
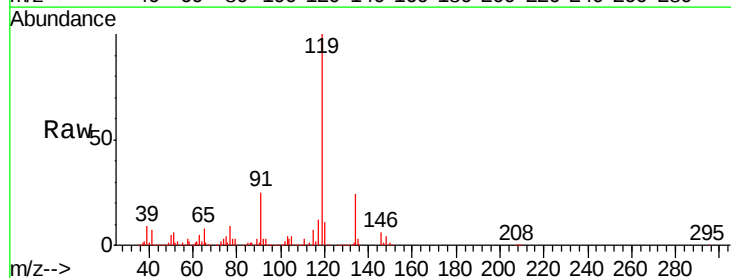
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

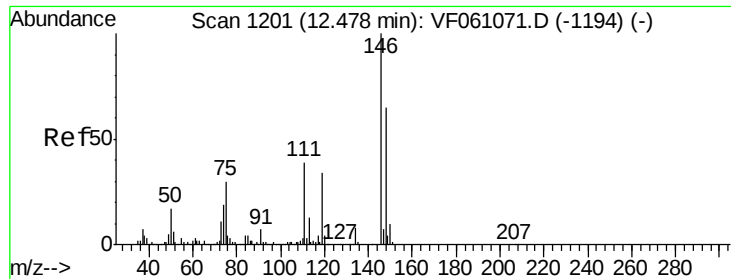
Tgt Ion:105 Resp: 710494
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 52.451 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion:119 Resp: 576727
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.8 38.4
 91 24.7 12.2 36.6

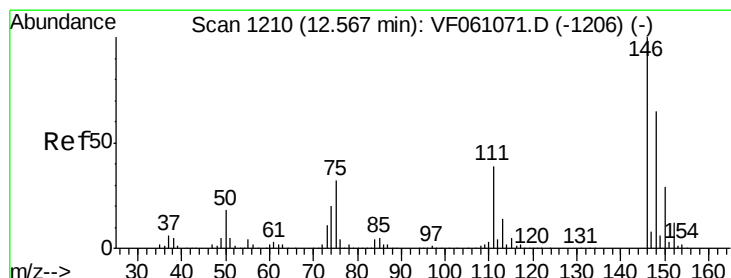
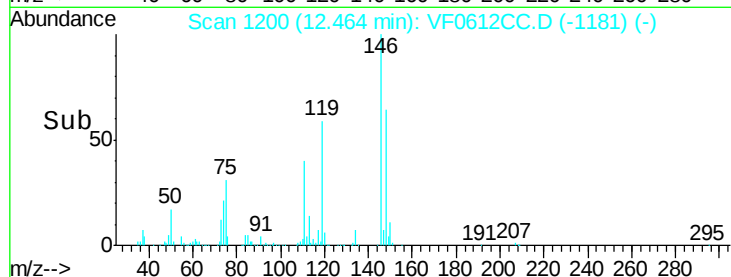
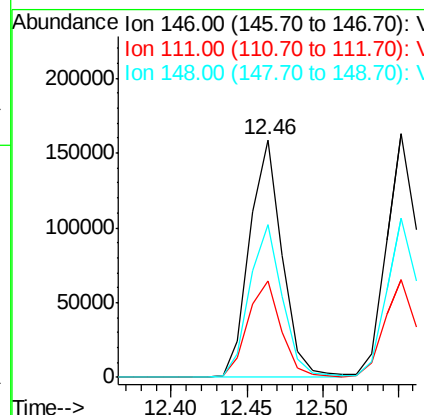
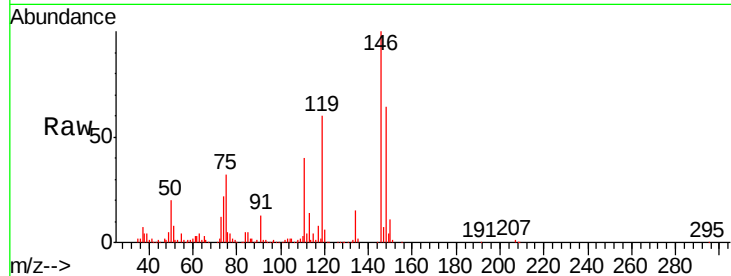




#87
 1,3-Dichlorobenzene
 Concen: 57.497 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

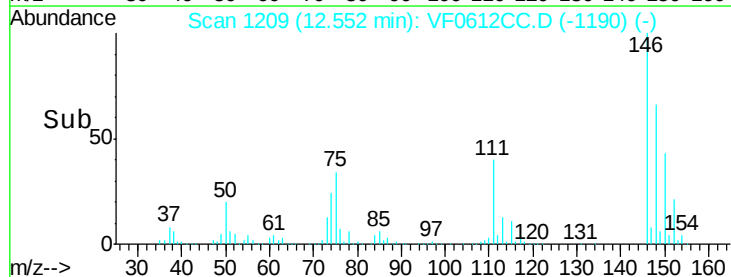
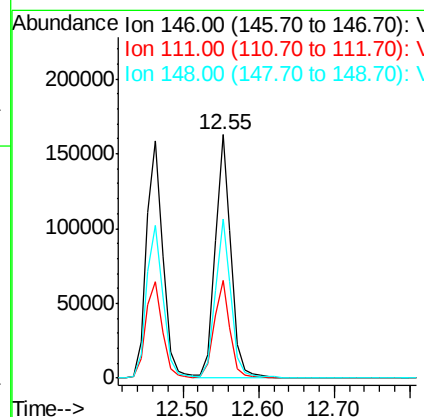
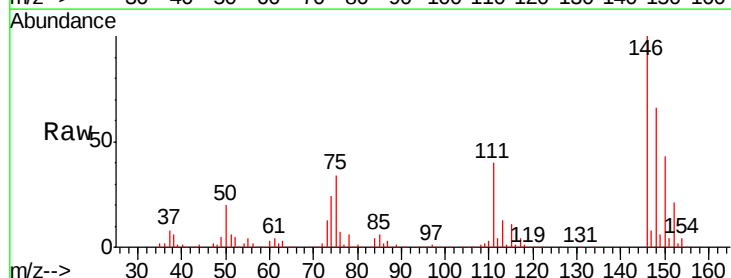
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

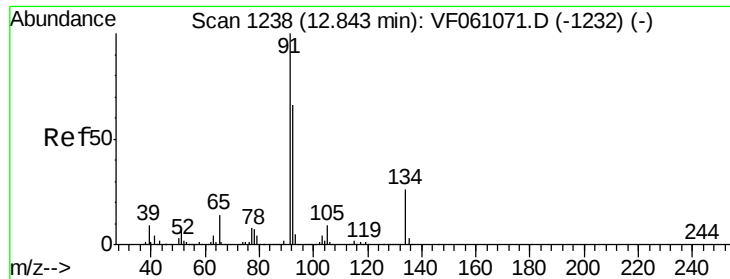
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.3	57.9
148	64.2	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 51.099 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.4
148	65.6	32.4	97.0

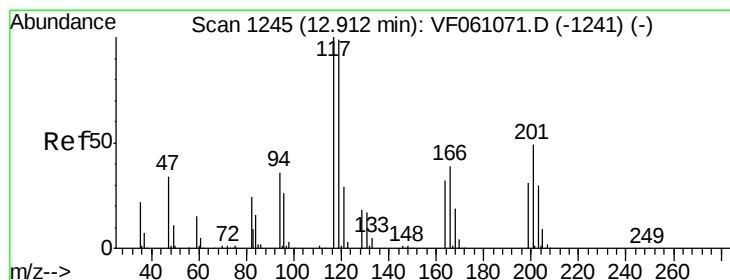
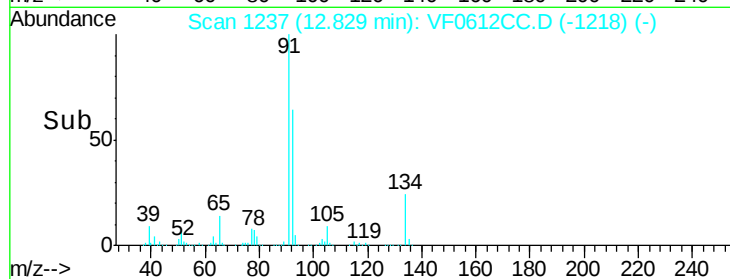
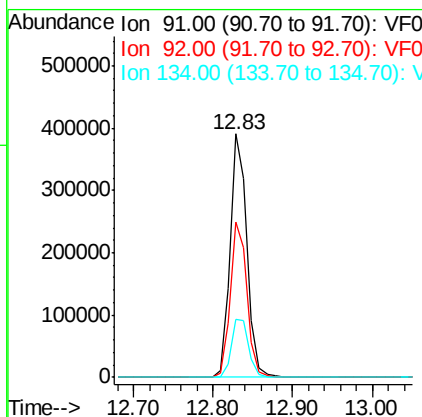
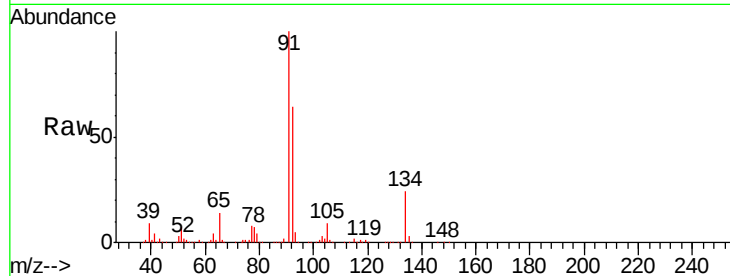




#89
n-Butylbenzene
Concen: 53.128 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

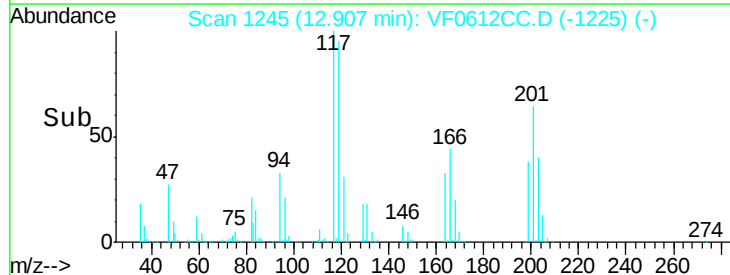
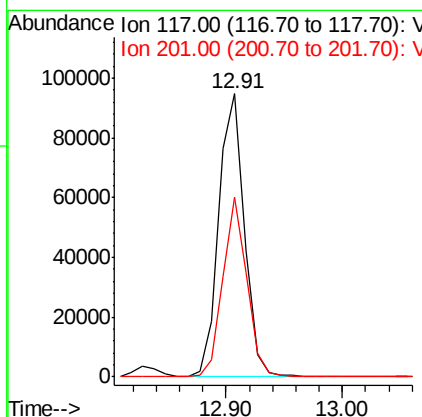
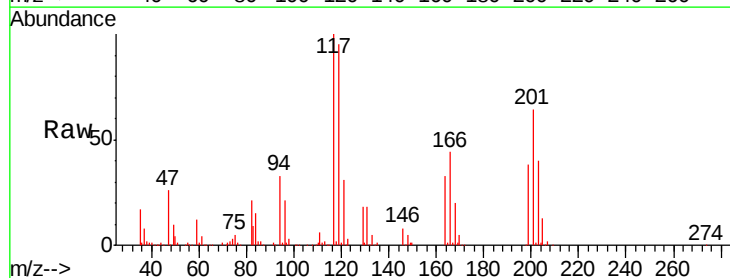
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

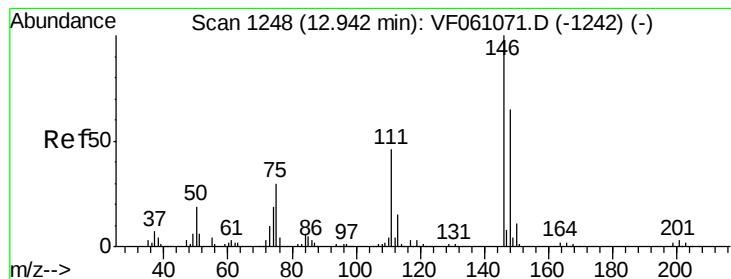
Tgt Ion: 91 Resp: 581355
Ion Ratio Lower Upper
91 100
92 63.6 32.8 98.4
134 23.7 13.2 39.5



#90
Hexachloroethane
Concen: 53.257 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion: 117 Resp: 144679
Ion Ratio Lower Upper
117 100
201 63.5 24.9 74.8





#91

1,2-Dichlorobenzene

Concen: 51.321 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

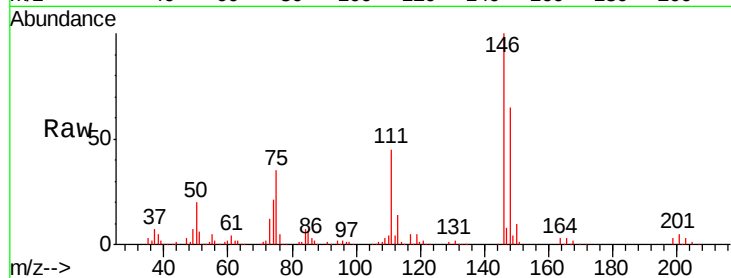
Tgt Ion: 146 Resp: 236606

Ion Ratio Lower Upper

146 100

111 45.5 23.2 69.5

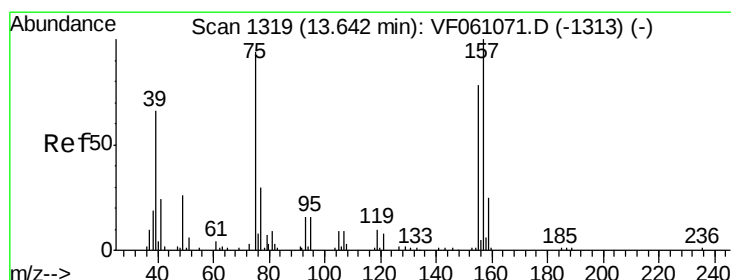
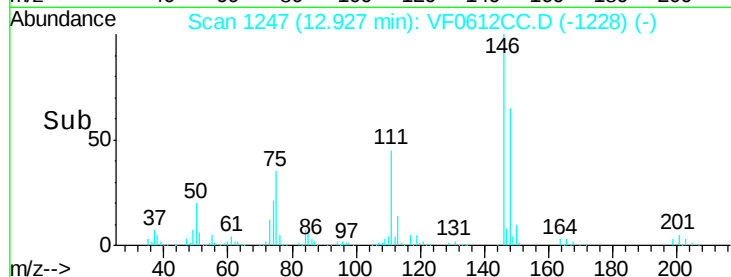
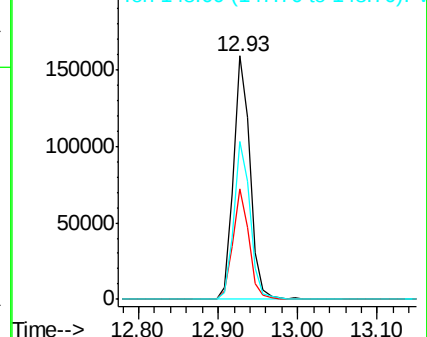
148 64.9 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.308 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF0612CC.D

Acq: 27 Dec 2018 22:26

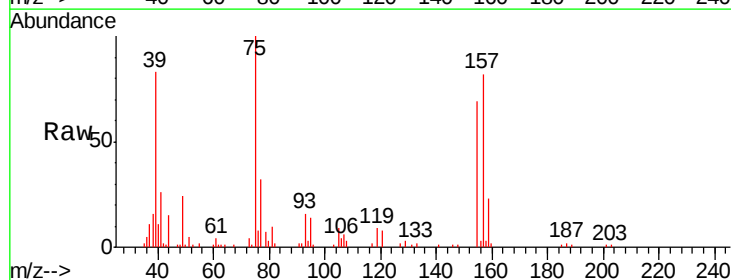
Tgt Ion: 75 Resp: 20909

Ion Ratio Lower Upper

75 100

155 68.9 41.5 124.5

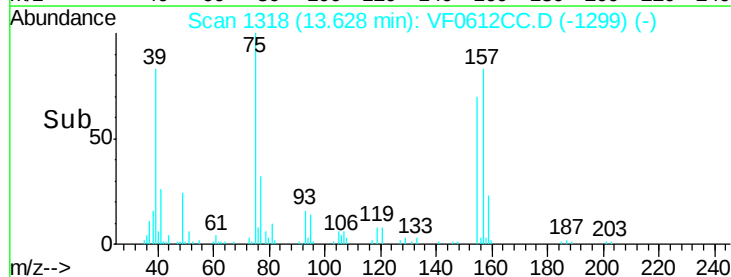
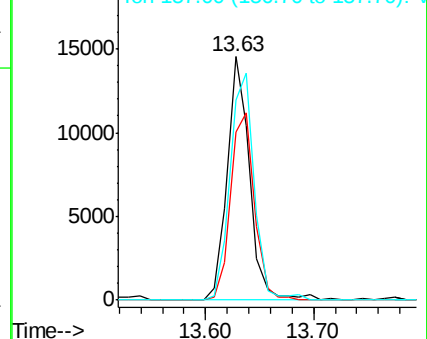
157 82.1 53.2 159.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

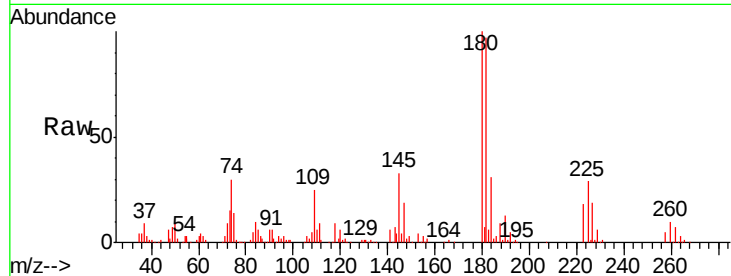




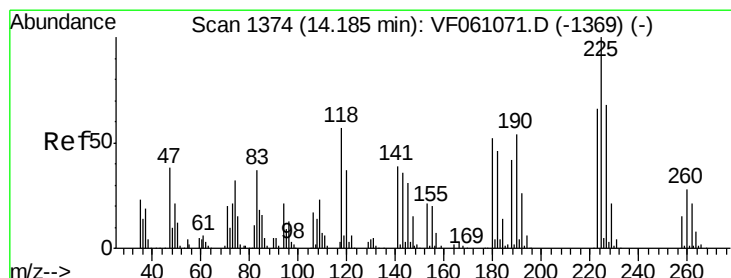
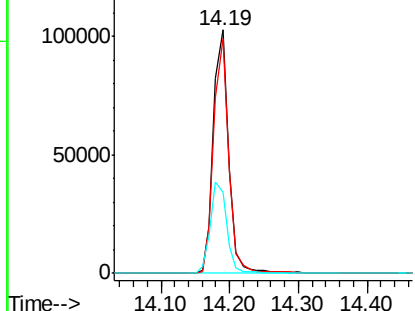
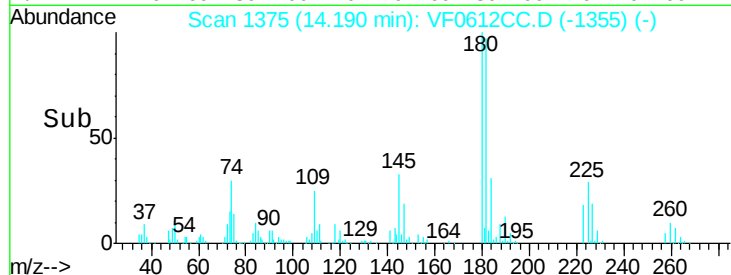
#93
 1,2,4-Trichlorobenzene
 Concen: 48.657 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 159089
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.9 140.6
 145 33.2 20.5 61.6

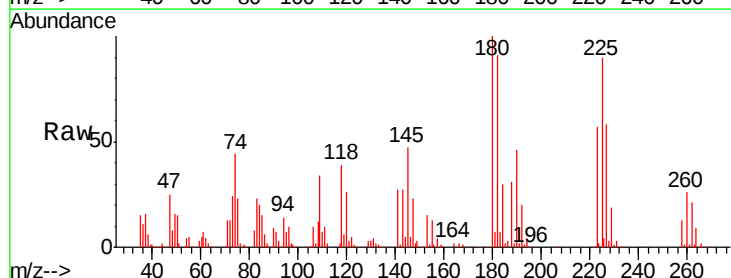


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

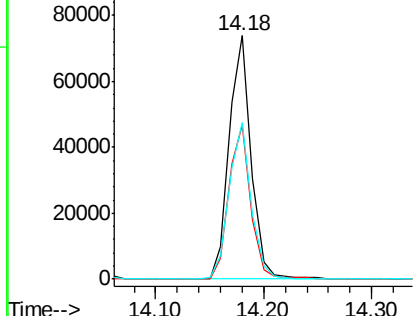
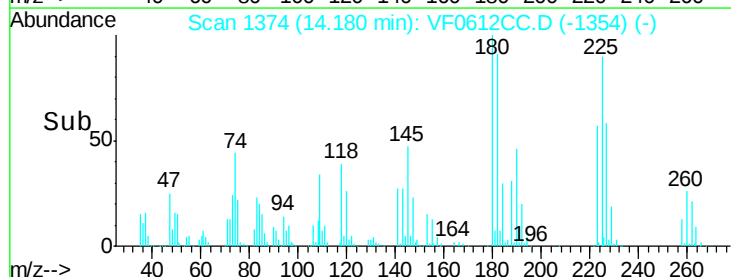


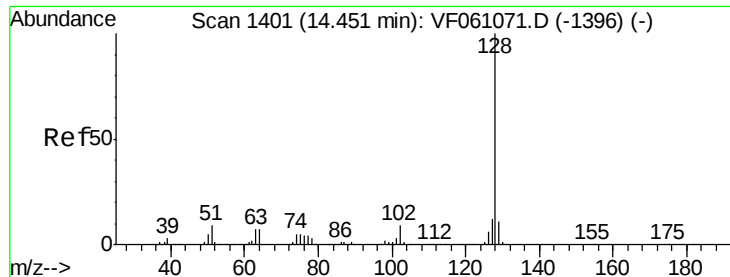
#94
 Hexachlorobutadiene
 Concen: 50.342 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF0612CC.D
 Acq: 27 Dec 2018 22:26

Tgt Ion:225 Resp: 104836
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.8 98.3
 227 64.3 34.0 101.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

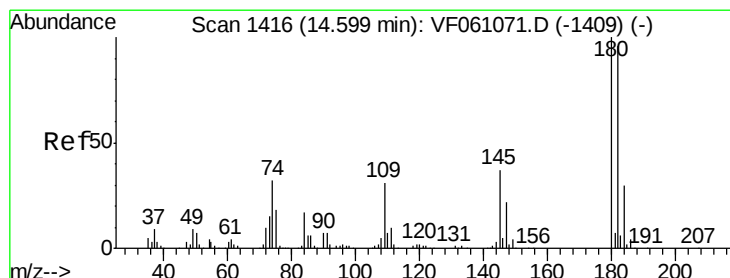
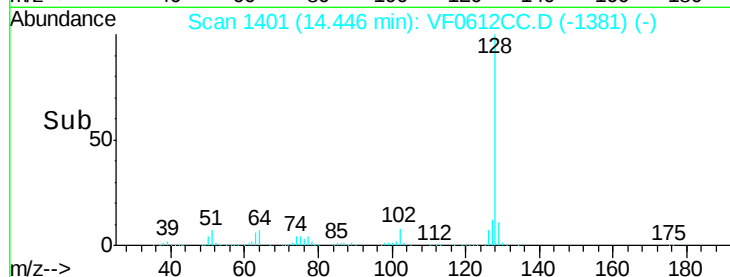
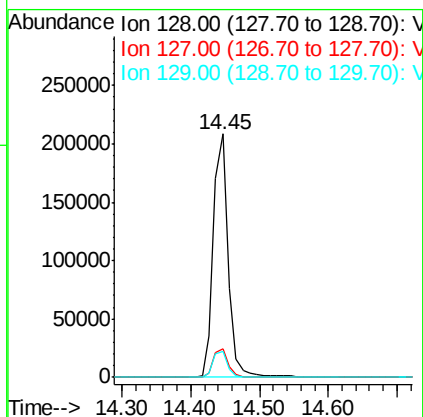
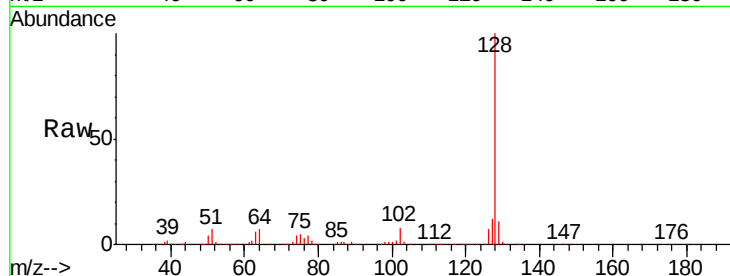




#95
Naphthalene
Concen: 52.501 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 313453
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.2
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.155 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF0612CC.D
Acq: 27 Dec 2018 22:26

Tgt Ion:180 Resp: 157646
Ion Ratio Lower Upper
180 100
182 89.9 47.9 143.8
145 38.2 18.6 55.8

