

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061056.D
 Acq On : 18 Dec 2018 11:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 19 00:48:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	162681	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	289487	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	259132	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	136957	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	100777	52.59	ug/l	-0.03
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	4.12	113	111422	48.52	ug/l	-0.03
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	7.55	98	308131	45.55	ug/l	-0.04
Spiked Amount			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	11.41	95	151753	49.36	ug/l	-0.03
Spiked Amount			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	98395	40.452	ug/l	100
3) Chloromethane	1.11	50	69978	44.211	ug/l	94
4) Vinyl Chloride	1.14	62	69704	47.212	ug/l	94
5) Bromomethane	1.34	94	48134	46.235	ug/l	90
6) Chloroethane	1.39	64	33823	52.997	ug/l	98
7) Trichlorofluoromethane	1.49	101	108158	34.143	ug/l	96
8) Diethyl Ether	1.63	74	24686	54.193	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	80771	50.436	ug/l	94
10) Methyl Iodide	1.91	142	105181	43.209	ug/l	94
11) Tert butyl alcohol	2.57	59	23783	302.739	ug/l	95
12) 1,1-Dichloroethene	1.79	96	57736	44.822	ug/l	82
13) Acrolein	2.00	56	18449	247.862	ug/l	91
14) Allyl chloride	2.10	41	71204	44.350	ug/l	93
15) Acrylonitrile	2.94	53	51942	294.917	ug/l	99
16) Acetone	2.23	43	117052	331.215	ug/l	97
17) Carbon Disulfide	1.84	76	97253	28.158	ug/l	97
18) Methyl Acetate	2.34	43	37229	63.229	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	159766	55.069	ug/l	97
20) Methylene Chloride	2.24	84	42414	32.715	ug/l	95
21) trans-1,2-Dichloroethene	2.30	96	49638	39.971	ug/l	89
22) Diisopropyl ether	2.80	45	242430	55.473	ug/l	98
23) Vinyl Acetate	3.19	43	575016	287.843	ug/l	98
24) 1,1-Dichloroethane	2.87	63	142483	54.799	ug/l	97
25) 2-Butanone	4.34	43	180555	295.381	ug/l	92
26) 2,2-Dichloropropane	3.60	77	85654	50.813	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	106823	52.837	ug/l	95
28) Bromochloromethane	3.71	49	65361	52.379	ug/l	93
29) Tetrahydrofuran	4.08	42	69086	266.633	ug/l	97
30) Chloroform	3.86	83	208709	52.155	ug/l	96
31) Cyclohexane	3.69	56	69269	25.670	ug/l	99
32) 1,1,1-Trichloroethane	4.10	97	127477	45.933	ug/l	98
36) 1,1-Dichloropropene	4.28	75	143899	44.816	ug/l	97
37) Ethyl Acetate	4.12	43	63039	48.312	ug/l #	82
38) Carbon Tetrachloride	3.99	117	124208	43.797	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	131818	39.174	ug/l	96
40) Benzene	4.63	78	317856	44.809	ug/l	98
41) Methacrylonitrile	4.75	41	37280	55.619	ug/l	95
42) 1,2-Dichloroethane	4.95	62	131085	50.618	ug/l	96
43) Isopropyl Acetate	6.96	43	84395	52.562	ug/l #	97
44) Trichloroethene	5.50	130	101286	43.670	ug/l	94
45) 1,2-Dichloropropane	6.24	63	96521	52.392	ug/l	96
46) Dibromomethane	6.09	93	62656	50.135	ug/l	97
47) Bromodichloromethane	6.39	83	168188	50.670	ug/l	96
48) Methyl methacrylate	6.71	41	58711	49.709	ug/l	94
49) 1,4-Dioxane	6.81	88	269	31.120	ug/l	95
51) 4-Methyl-2-Pentanone	8.26	43	295536	245.614	ug/l	99
52) Toluene	7.63	92	216128	43.377	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	131579	48.734	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	161934	48.447	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	70148	48.316	ug/l	98
56) Ethyl methacrylate	8.63	69	77014	47.751	ug/l	94
57) 1,3-Dichloropropane	8.85	76	129348	50.922	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	73339	444.560	ug/l	99
59) 2-Hexanone	9.49	43	227042	268.957	ug/l	99
60) Dibromochloromethane	8.72	129	108984	50.380	ug/l	97
61) 1,2-Dibromoethane	8.99	107	75932	48.413	ug/l	92
64) Tetrachloroethene	8.15	164	91373	46.165	ug/l	99
65) Chlorobenzene	9.80	112	249934	49.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	105361	48.617	ug/l	93
67) Ethyl Benzene	9.90	91	462279	49.257	ug/l	99
68) m/p-Xylenes	10.14	106	329854	97.722	ug/l	99
69) o-Xylene	10.72	106	186424	50.086	ug/l	99
70) Styrene	10.79	104	260036	50.398	ug/l	96
71) Bromoform	10.78	173	54249	51.823	ug/l	100
73) Isopropylbenzene	11.12	105	564911	52.195	ug/l	98
74) N-amyl acetate	11.37	43	134122	53.666	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	98068	55.056	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	69281	53.510	ug/l	91
77) Bromobenzene	11.50	156	118590	49.978	ug/l	85
78) n-propylbenzene	11.60	91	639716	50.472	ug/l	97
79) 2-Chlorotoluene	11.72	91	376765	51.842	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	433738	49.365	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	44615	70.330	ug/l	97
82) 4-Chlorotoluene	11.90	91	379914	49.674	ug/l	94
83) tert-Butylbenzene	12.13	119	472553	52.799	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	423431	48.287	ug/l	100
85) sec-Butylbenzene	12.31	105	609943	49.783	ug/l	100
86) p-Isopropyltoluene	12.46	119	506559	49.314	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	214874	47.607	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	217470	49.441	ug/l	96
89) n-Butylbenzene	12.85	91	515770	49.657	ug/l	97
90) Hexachloroethane	12.92	117	123832	50.063	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	204878	47.933	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	18648	54.149	ug/l	93

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Dec 19 00:48:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

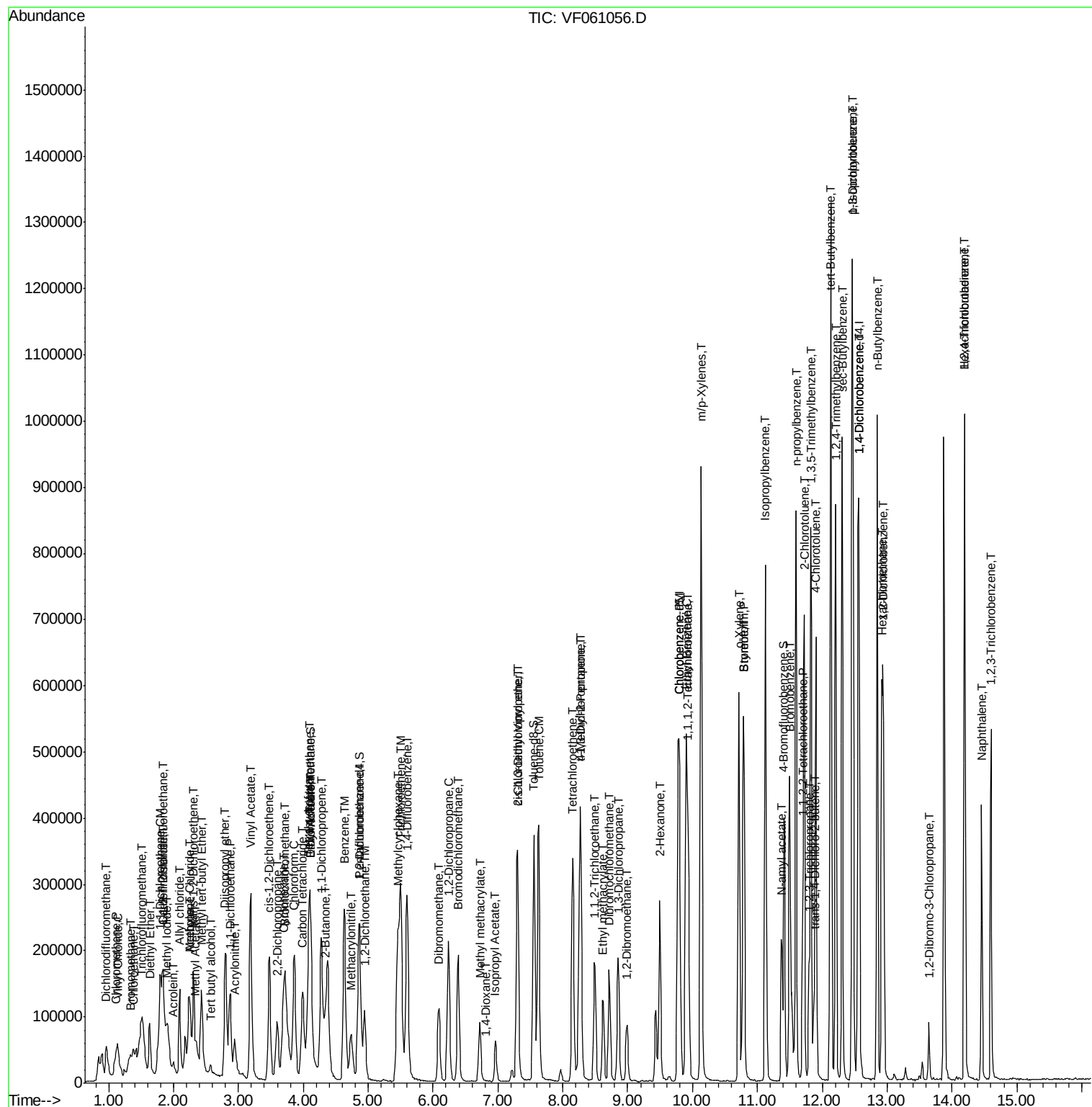
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	145374	48.677	ug/l	98
94) Hexachlorobutadiene	14.19	225	97267	48.856	ug/l	99
95) Naphthalene	14.46	128	288520	49.757	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	143628	51.795	ug/l	99

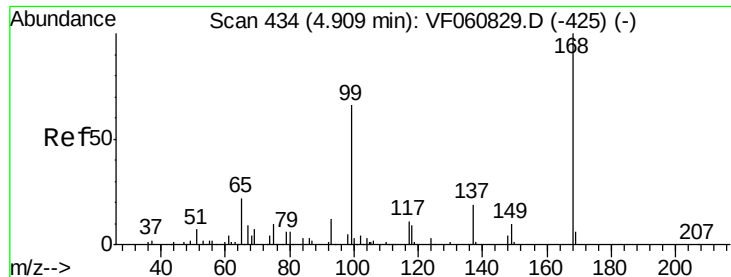
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061056.D
 Acq On : 18 Dec 2018 11:45
 Operator : VA/AP
 Sample : VSTCCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTCCCC050

Quant Time: Dec 19 00:48:27 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

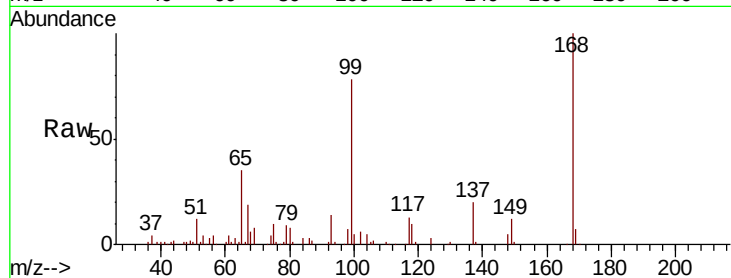
VSTDCCC050

Tot Ion:168 Resp: 162681

Ion Ratio Lower Upper

168 100

99 77.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

30000

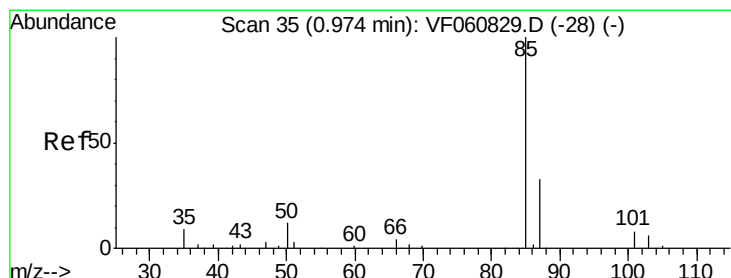
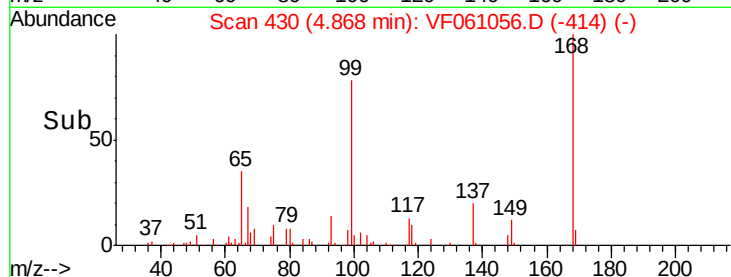
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 40.452 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF061056.D

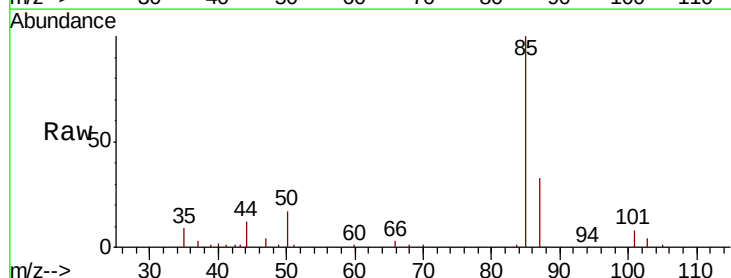
Acq: 18 Dec 2018 11:45

Tgt Ion: 85 Resp: 98395

Ion Ratio Lower Upper

85 100

87 33.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

15000

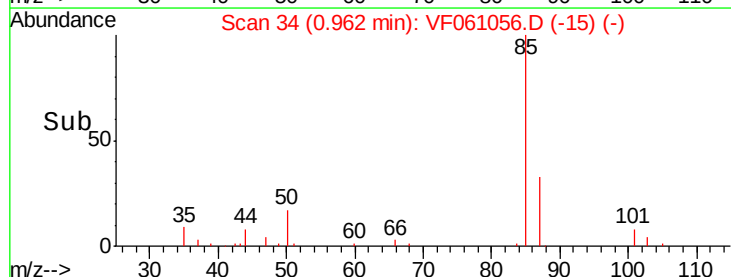
10000

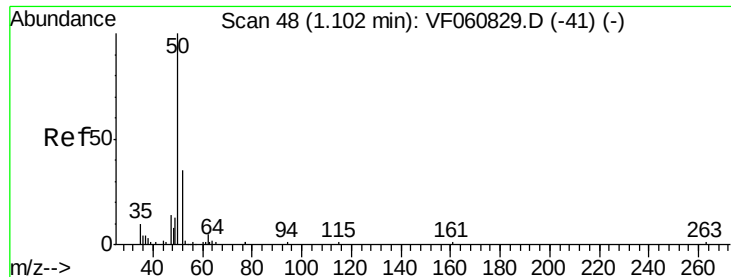
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.211 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

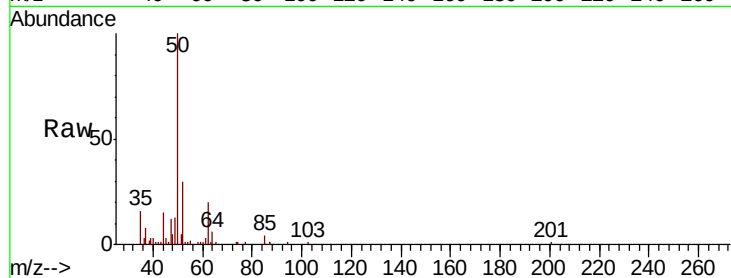
VSTDCCC050

Tot Ion: 50 Resp: 69978

Ion Ratio Lower Upper

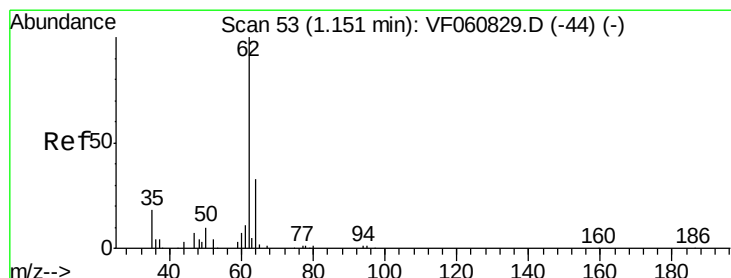
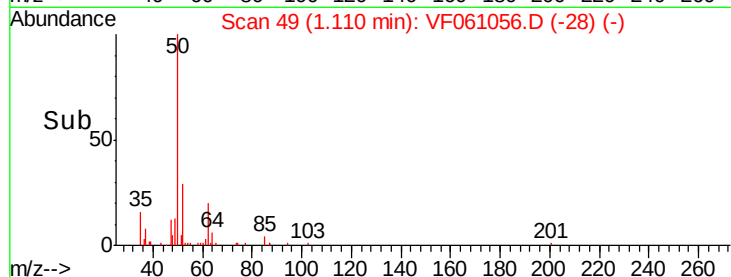
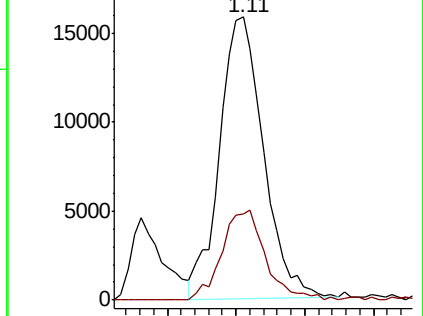
50 100

52 30.4 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.212 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF061056.D

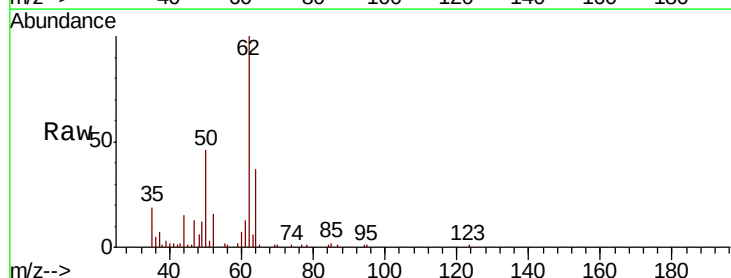
Acq: 18 Dec 2018 11:45

Tgt Ion: 62 Resp: 69704

Ion Ratio Lower Upper

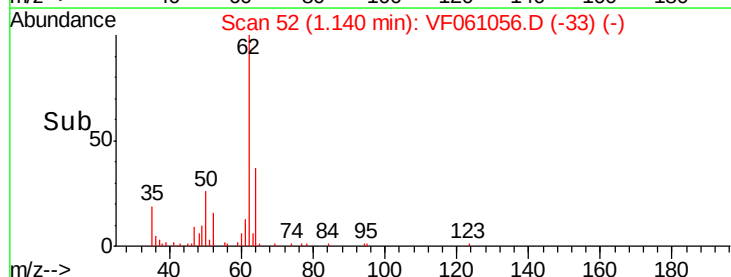
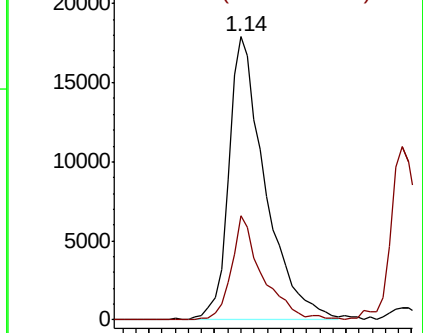
62 100

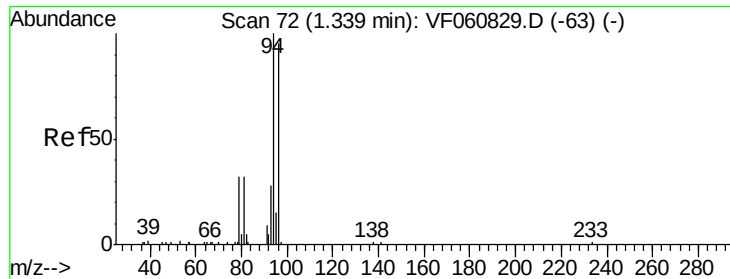
64 36.6 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 46.235 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

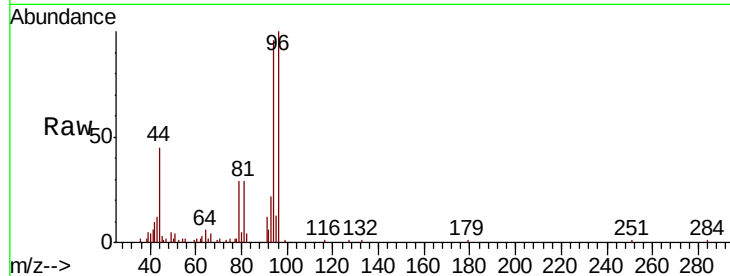
VSTDCCC050

Tot Ion: 94 Resp: 48134

Ion Ratio Lower Upper

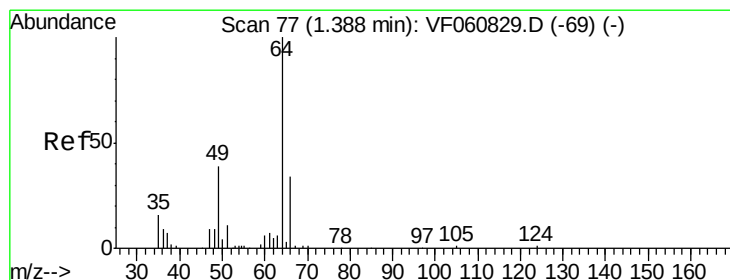
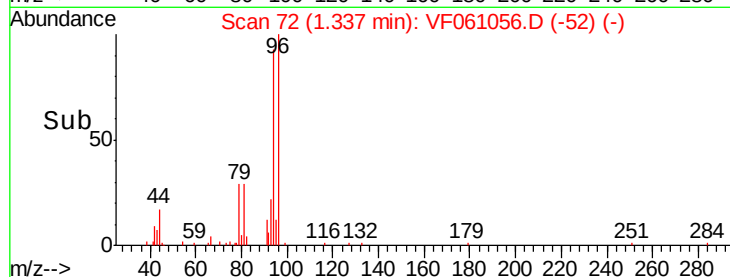
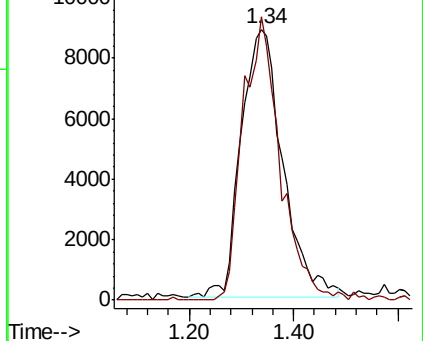
94 100

96 104.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 52.997 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061056.D

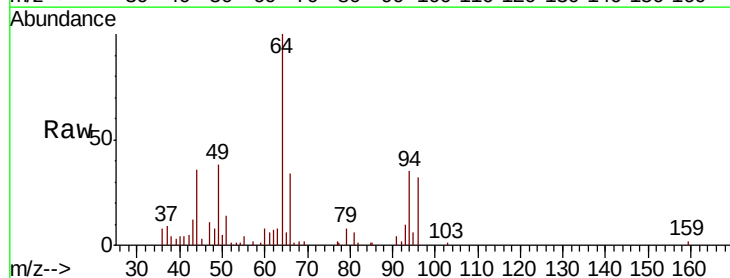
Acq: 18 Dec 2018 11:45

Tgt Ion: 64 Resp: 33823

Ion Ratio Lower Upper

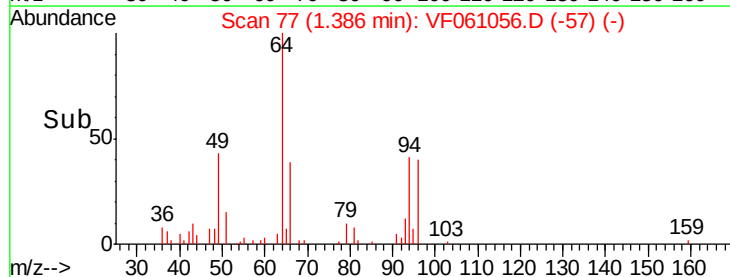
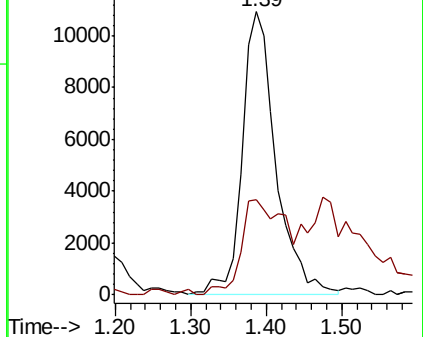
64 100

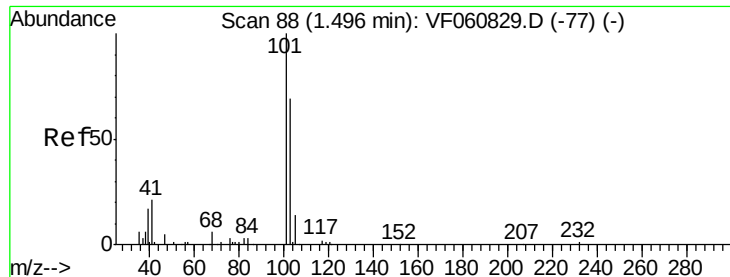
66 33.8 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 34.143 ug/l

RT: 1.49 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF061056.D

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ClientSampleId :

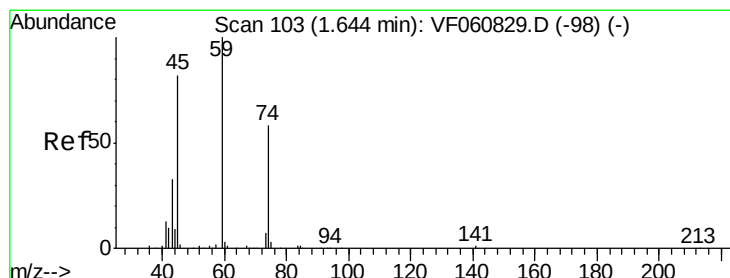
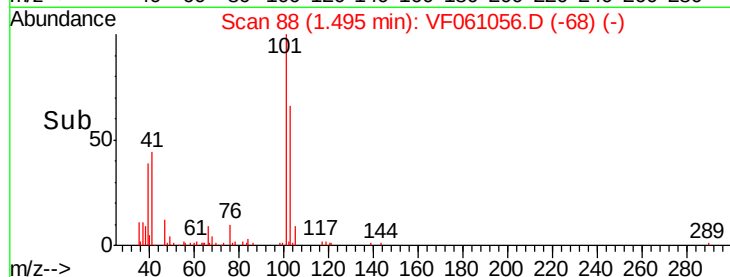
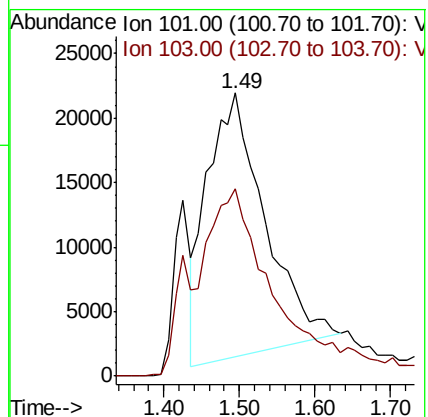
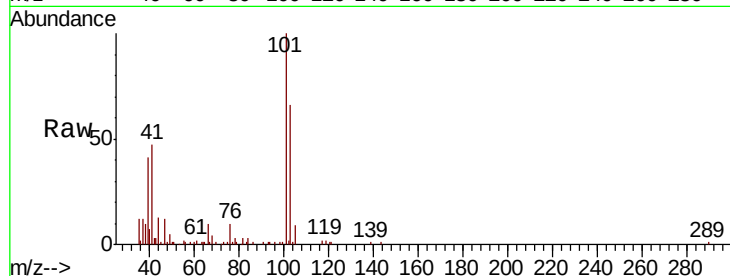
VSTDCCC050

Tot Ion:101 Resp: 108158

Ion Ratio Lower Upper

101 100

103 66.2 55.4 83.0



#8

Diethyl Ether

Concen: 54.193 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF061056.D

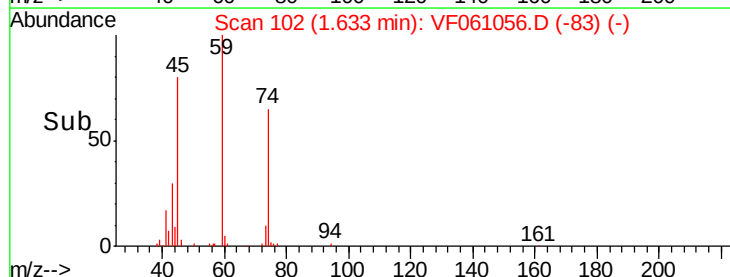
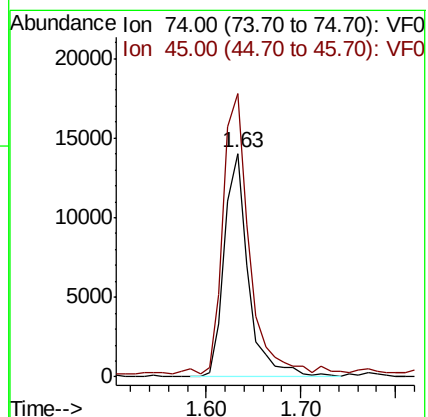
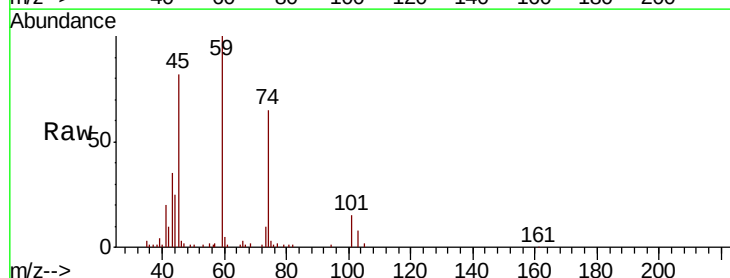
Acq: 18 Dec 2018 11:45

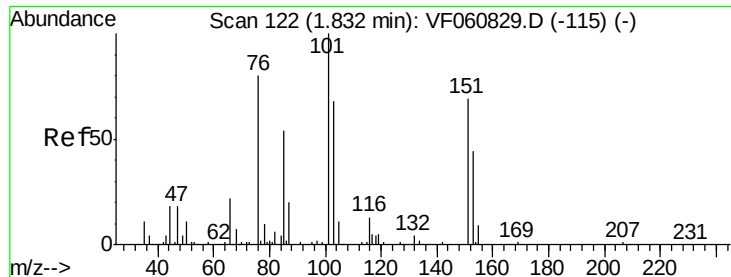
Tgt Ion: 74 Resp: 24686

Ion Ratio Lower Upper

74 100

45 126.6 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.436 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061056.D

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VSTDCCC050

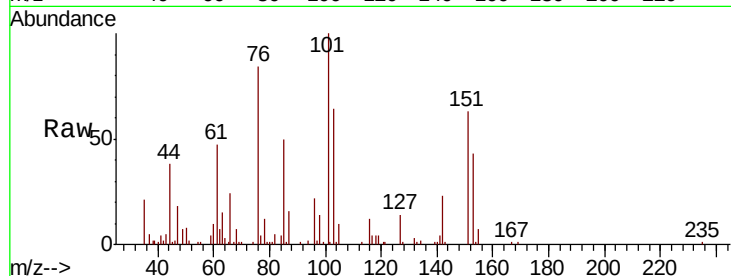
Tot Ion:101 Resp: 80771

Ion Ratio Lower Upper

101 100

85 49.6 42.8 64.2

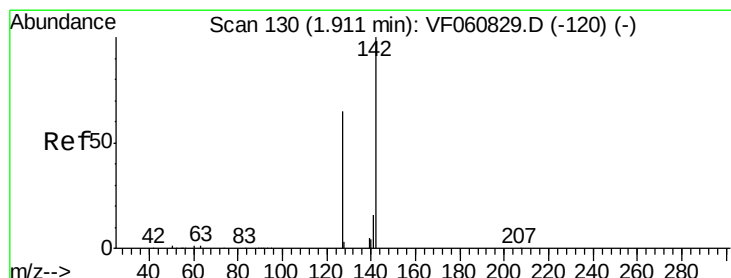
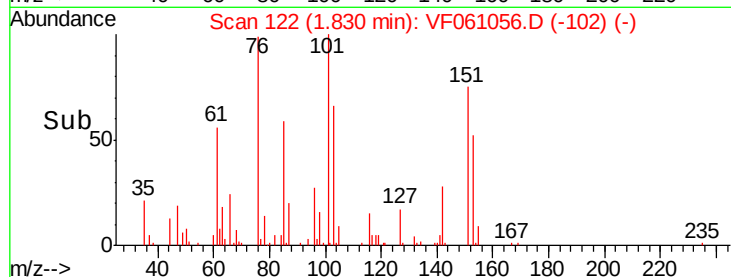
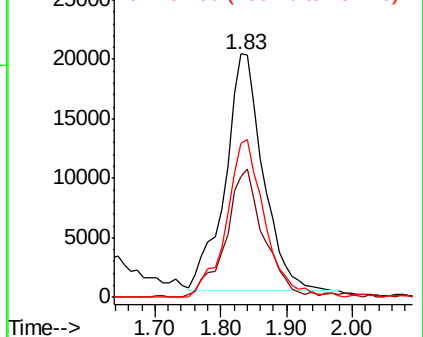
151 63.1 54.4 81.6



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: 43.209 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

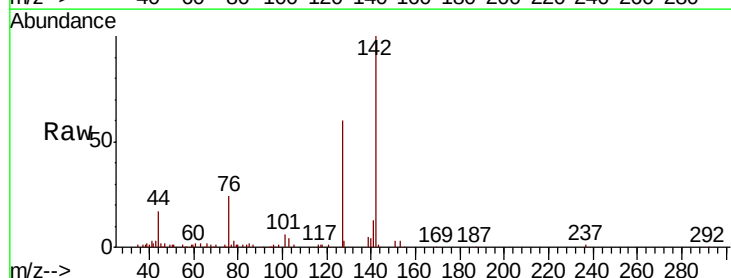
Tgt Ion:142 Resp: 105181

Ion Ratio Lower Upper

142 100

127 59.8 51.9 77.9

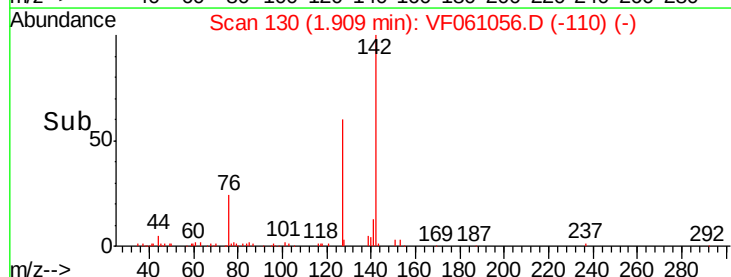
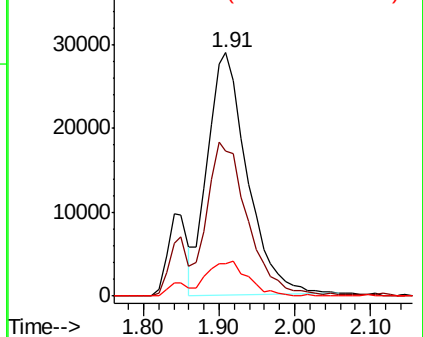
141 13.2 12.7 19.1

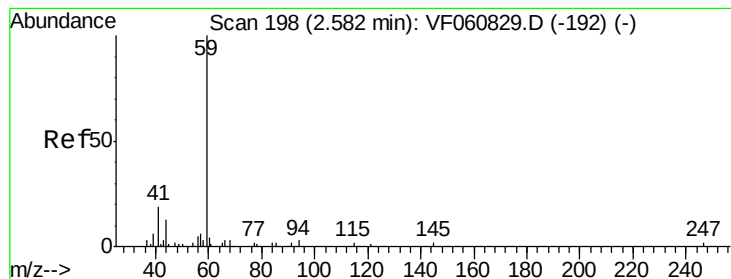


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



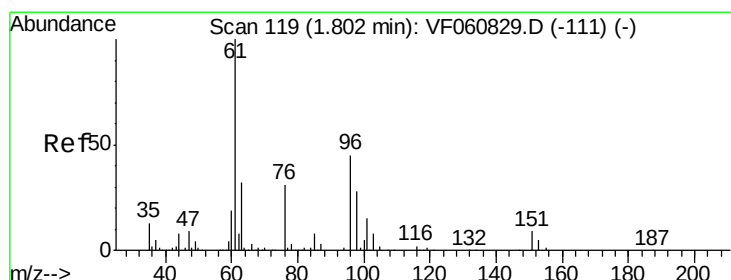
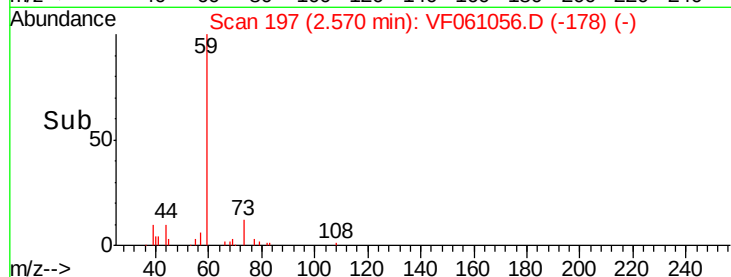
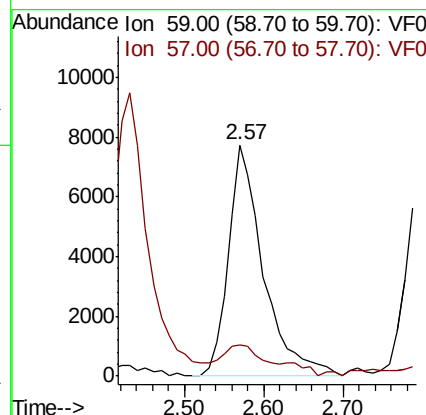
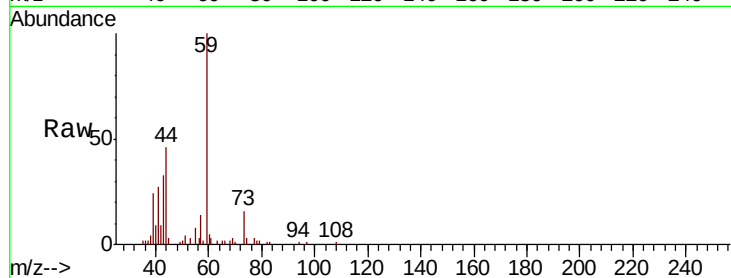


#11

Tert butyl alcohol
 Concen: 302.739 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

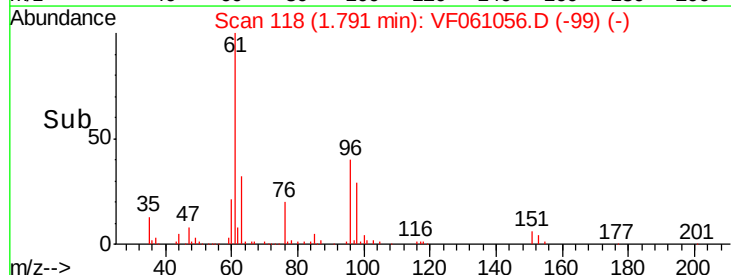
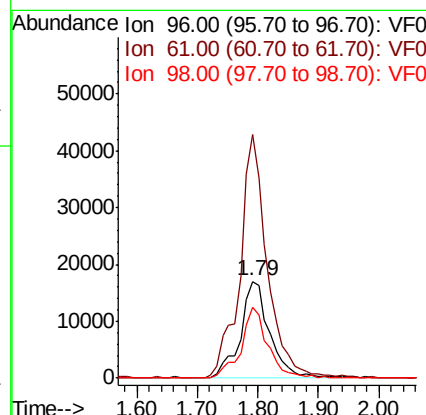
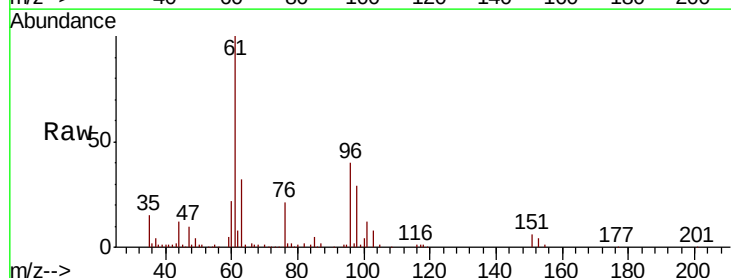
Tot Ion: 59 Resp: 23783
 Ion Ratio Lower Upper
 59 100
 57 13.7 12.7 19.1

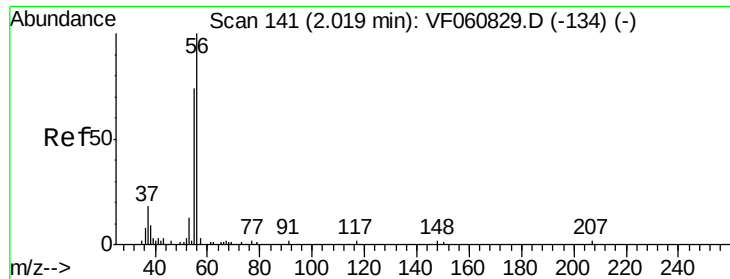


#12

1,1-Dichloroethene
 Concen: 44.822 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion: 96 Resp: 57736
 Ion Ratio Lower Upper
 96 100
 61 251.6 177.3 265.9
 98 73.1 49.6 74.4

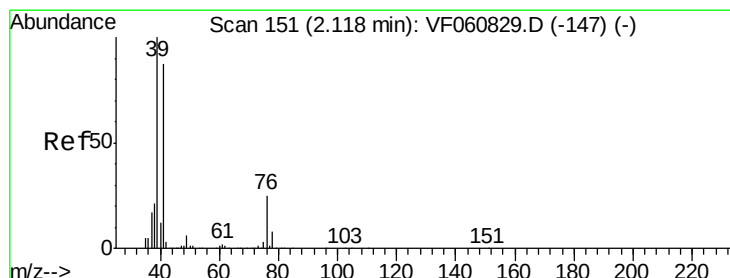
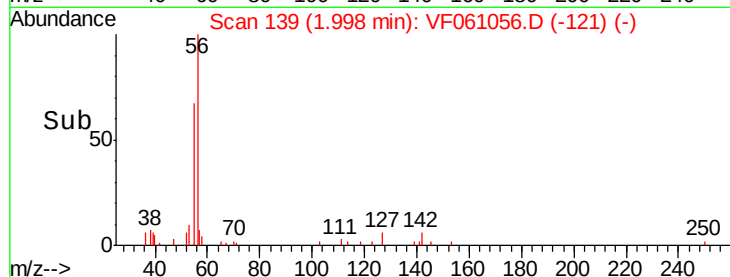
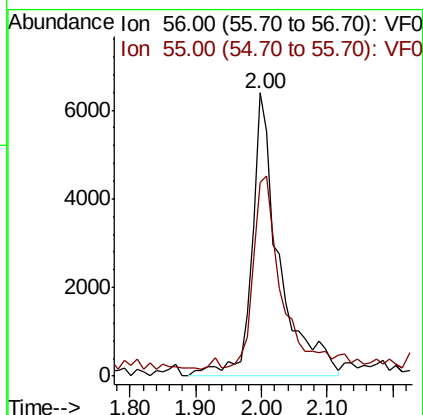
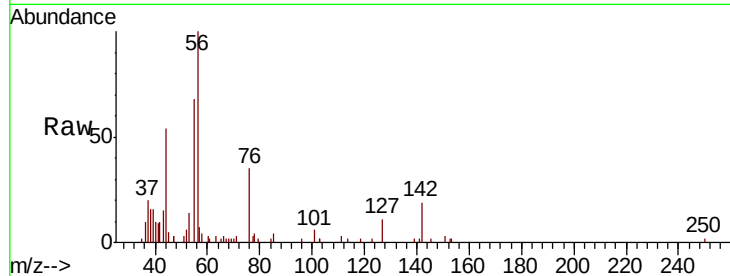




#13
Acrolein
Concen: 247.862 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

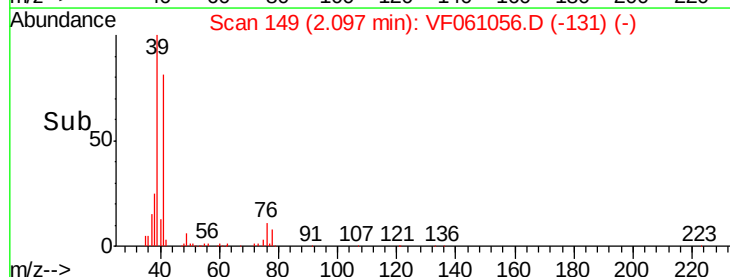
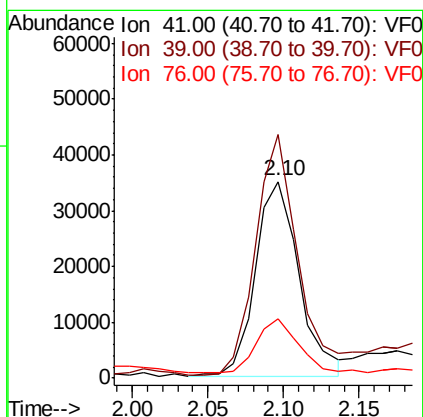
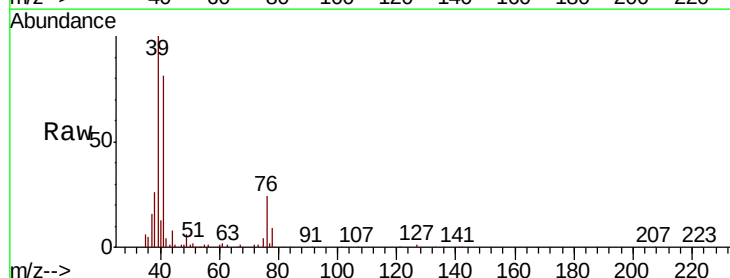
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

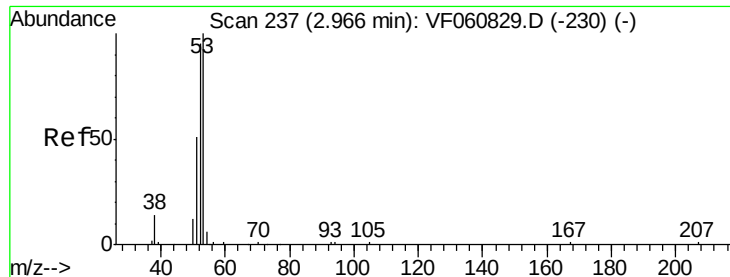
Tot Ion: 56 Resp: 18449
Ion Ratio Lower Upper
56 100
55 68.5 61.2 91.8



#14
Allyl chloride
Concen: 44.350 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion: 41 Resp: 71204
Ion Ratio Lower Upper
41 100
39 123.7 91.7 137.5
76 30.1 23.5 35.3





#15

Acrylonitrile

Concen: 294.917 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

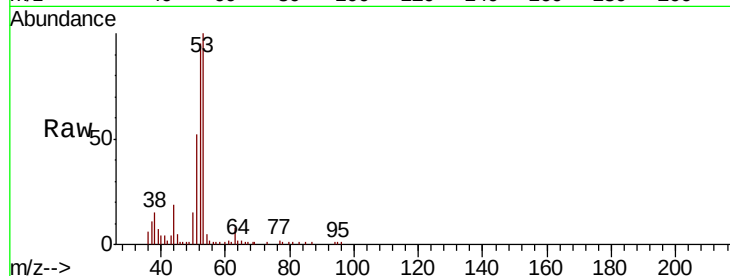
Tot Ion: 53 Resp: 51942

Ion Ratio Lower Upper

53 100

52 95.3 76.5 114.7

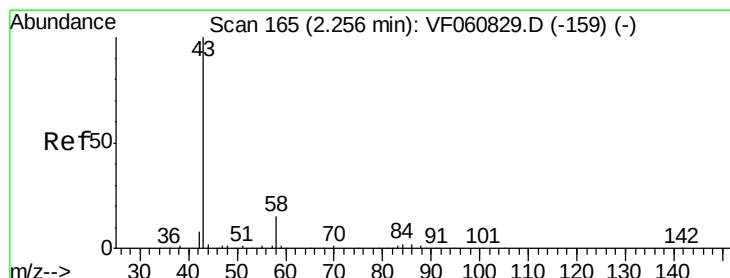
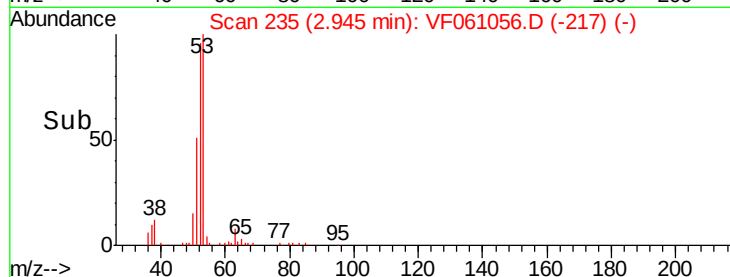
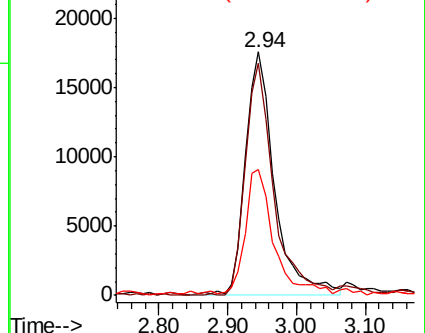
51 51.9 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 331.215 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF061056.D

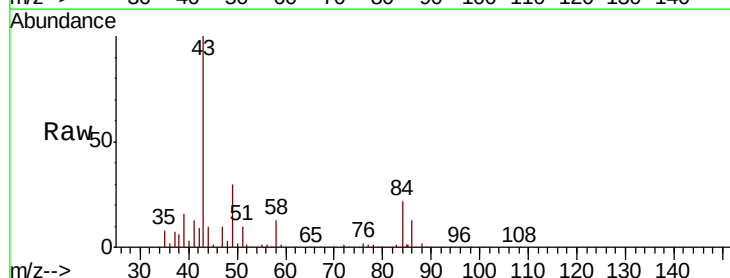
Acq: 18 Dec 2018 11:45

Tgt Ion: 43 Resp: 117052

Ion Ratio Lower Upper

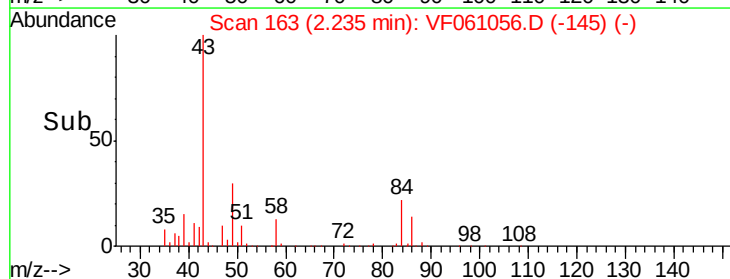
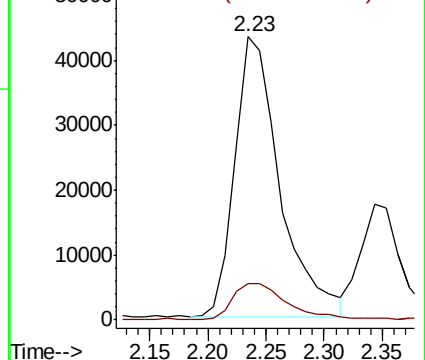
43 100

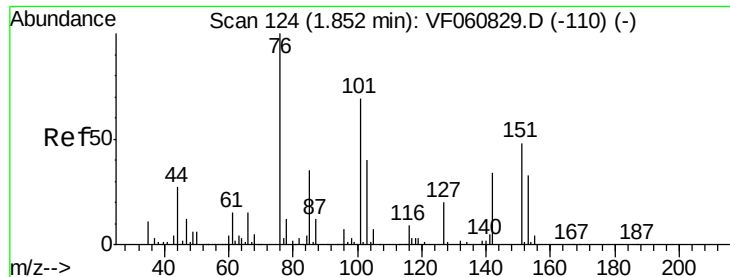
58 12.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

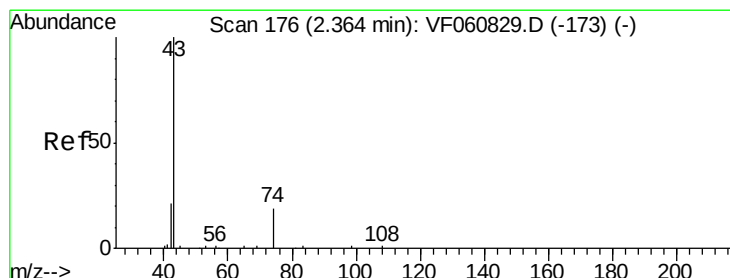
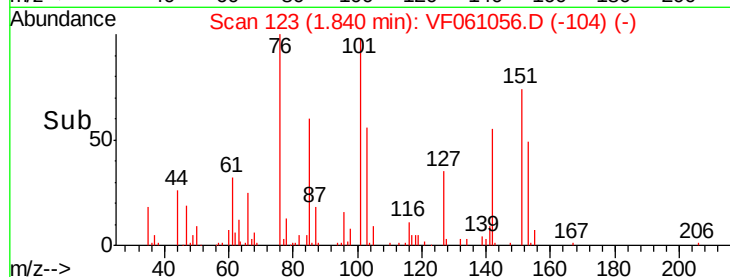
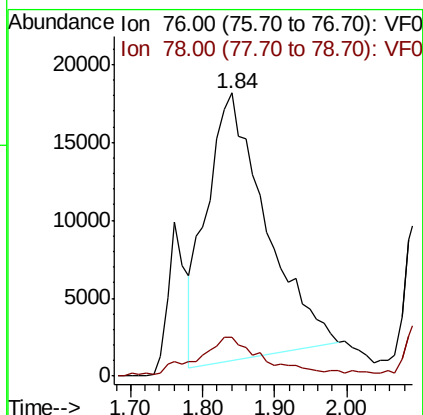
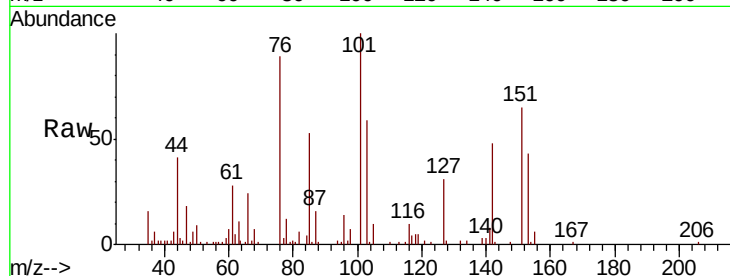




#17
Carbon Disulfide
Concen: 28.158 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

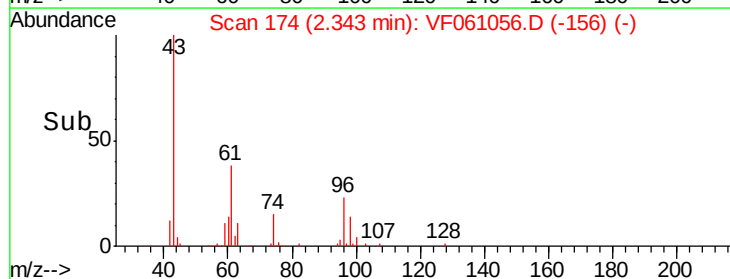
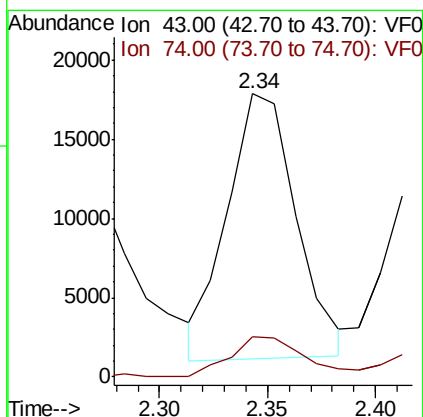
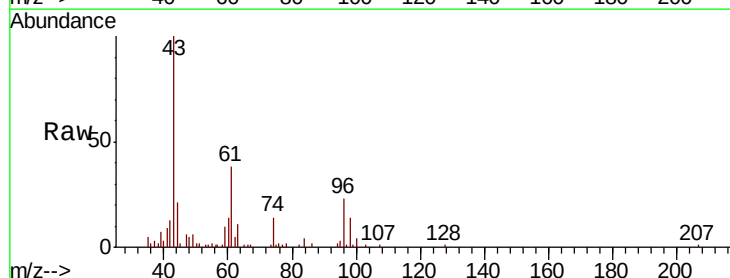
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

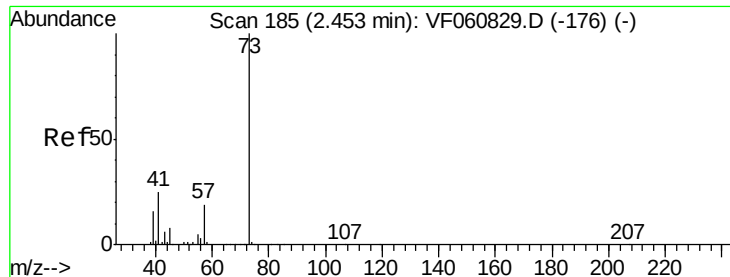
Tot Ion: 76 Resp: 97253
Ion Ratio Lower Upper
76 100
78 13.9 10.2 15.2



#18
Methyl Acetate
Concen: 63.229 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion: 43 Resp: 37229
Ion Ratio Lower Upper
43 100
74 14.2 13.3 19.9



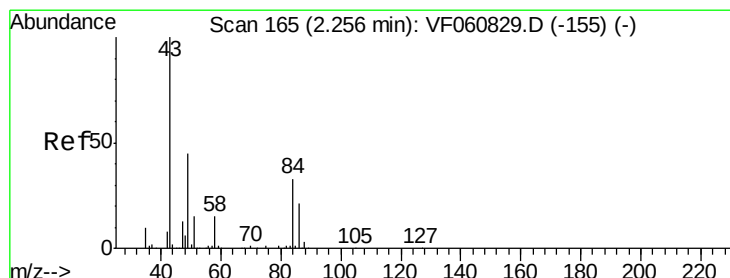
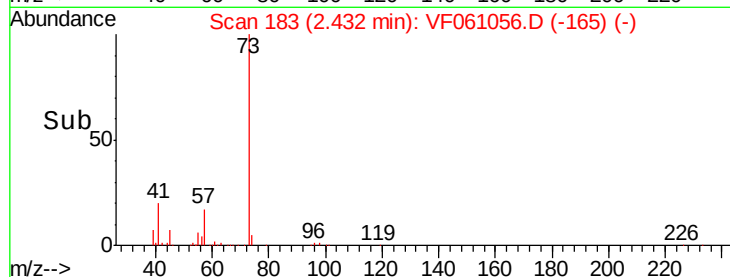
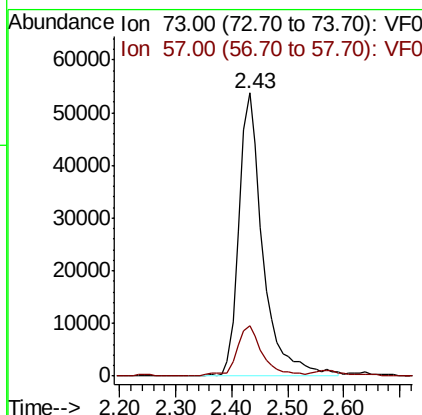
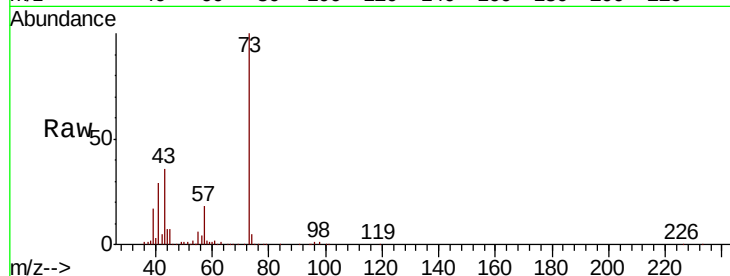


#19

Methyl tert-butyl Ether
 Concen: 55.069 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

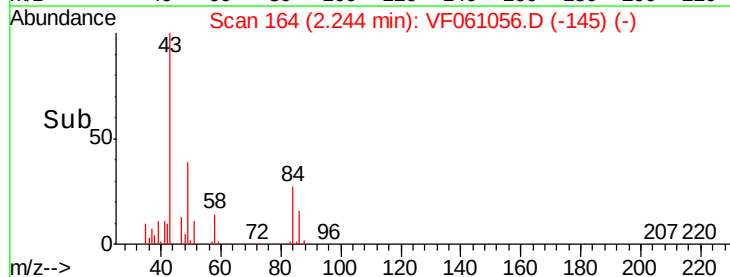
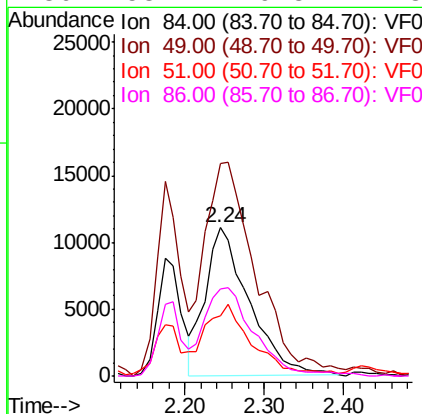
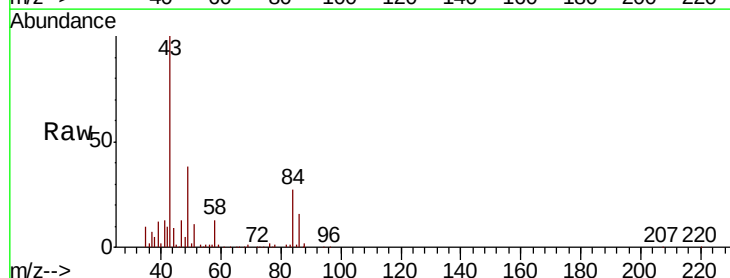
Tot Ion: 73 Resp: 159766
 Ion Ratio Lower Upper
 73 100
 57 17.6 15.3 22.9

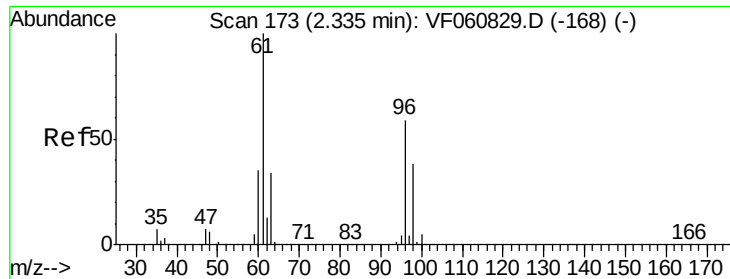


#20

Methylene Chloride
 Concen: 32.715 ug/l
 RT: 2.24 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion: 84 Resp: 42414
 Ion Ratio Lower Upper
 84 100
 49 144.0 111.3 166.9
 51 40.3 38.0 57.0
 86 58.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 39.971 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

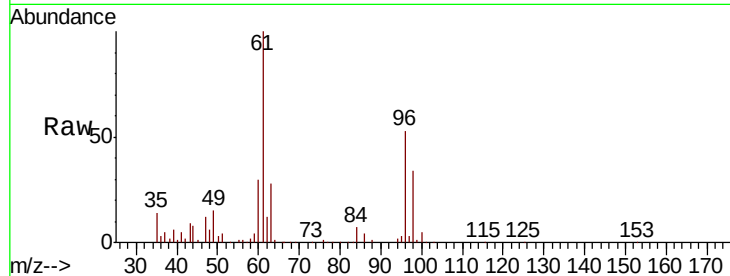
Tot Ion: 96 Resp: 49638

Ion Ratio Lower Upper

96 100

61 188.7 134.5 201.7

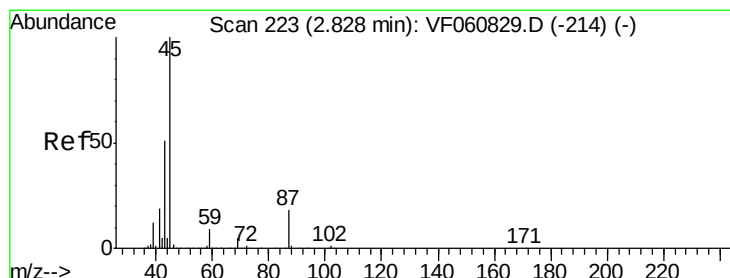
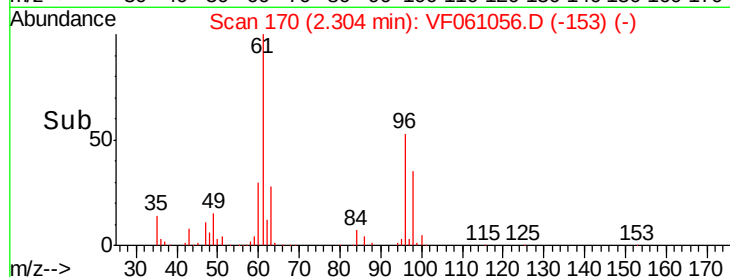
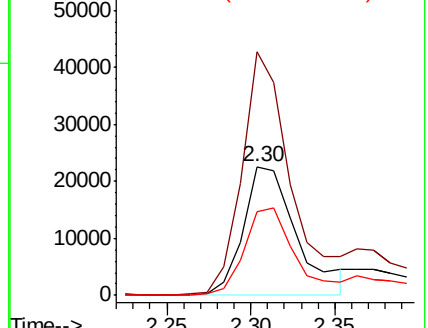
98 64.9 51.6 77.4



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: 55.473 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Tgt Ion: 45 Resp: 242430

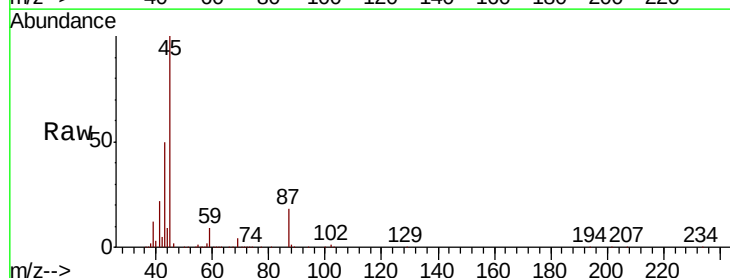
Ion Ratio Lower Upper

45 100

43 50.3 41.0 61.6

87 17.5 14.6 22.0

59 8.9 7.5 11.3

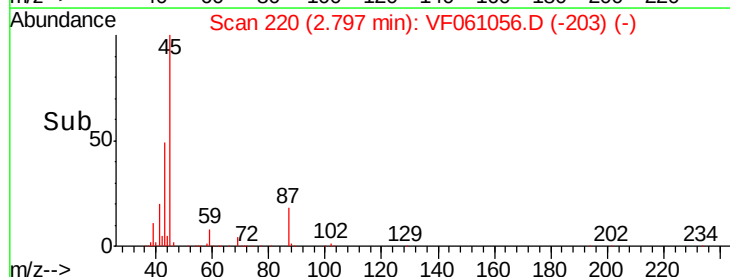
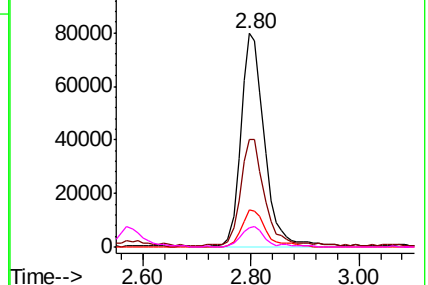


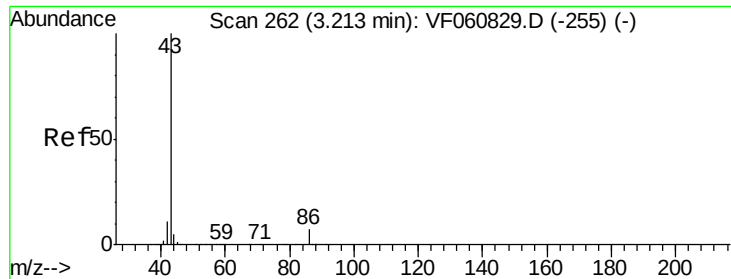
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 287.843 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

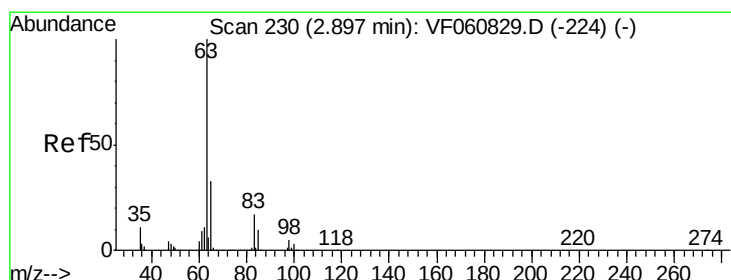
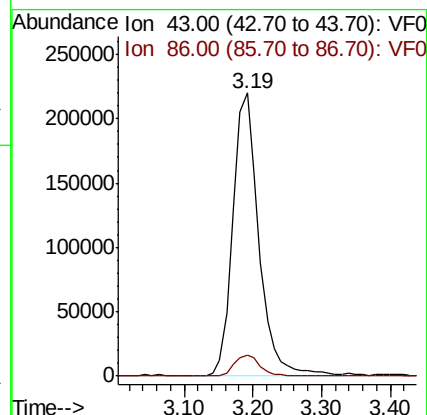
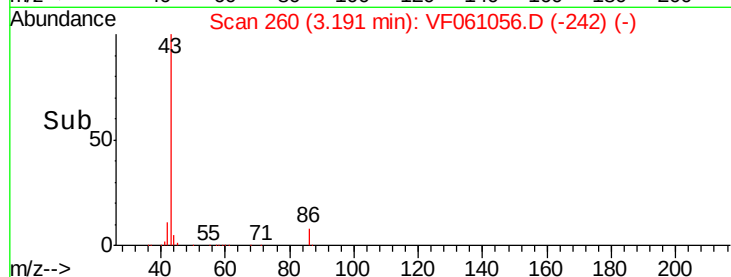
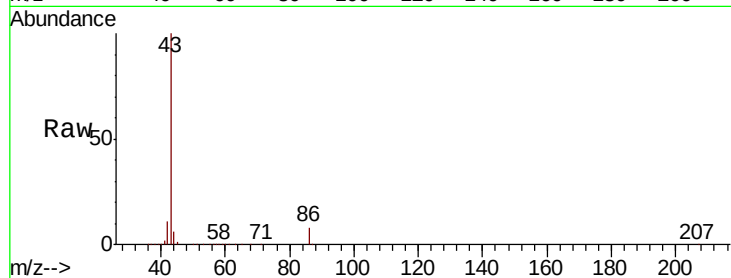
VSTDCCC050

Tot Ion: 43 Resp: 575016

Ion Ratio Lower Upper

43 100

86 7.6 5.4 8.0



#24

1,1-Dichloroethane

Concen: 54.799 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

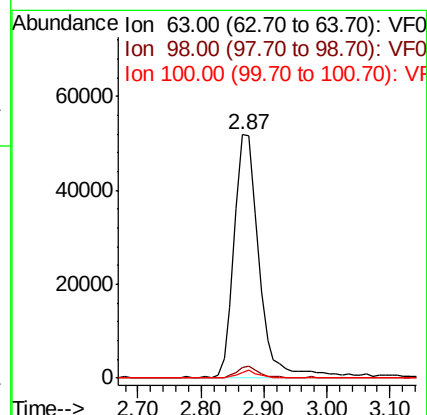
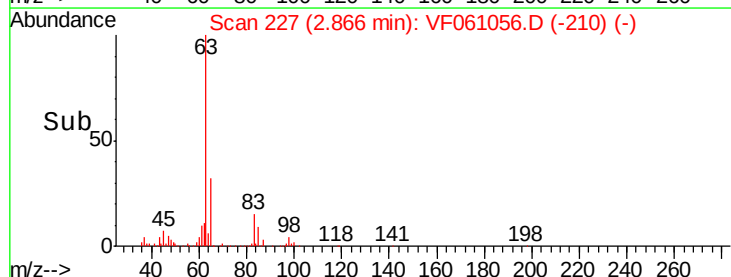
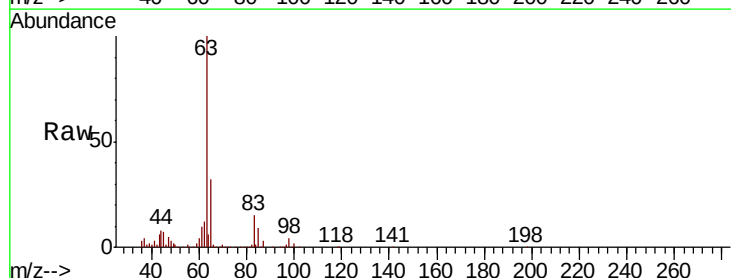
Tgt Ion: 63 Resp: 142483

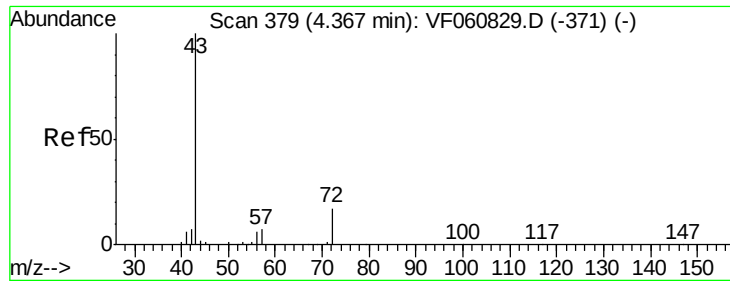
Ion Ratio Lower Upper

63 100

98 4.2 2.7 8.1

100 2.4 1.5 4.5





#25

2-Butanone

Concen: 295.381 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

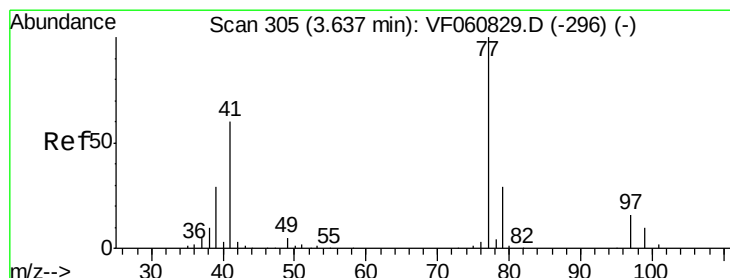
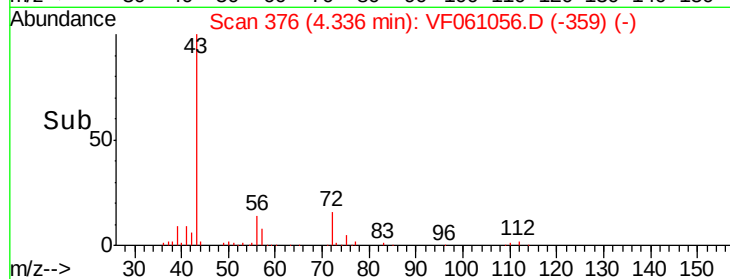
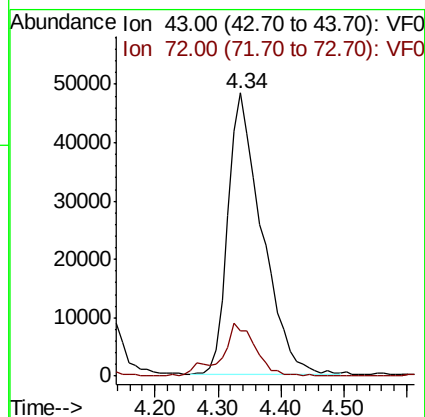
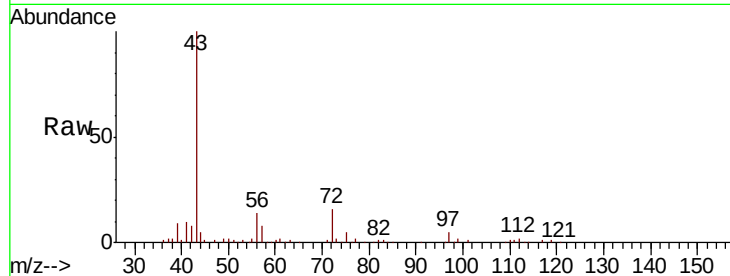
VSTDCCC050

Tot Ion: 43 Resp: 180555

Ion Ratio Lower Upper

43 100

72 15.9 15.4 23.2



#26

2,2-Dichloropropane

Concen: 50.813 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.04 min

Lab File: VF061056.D

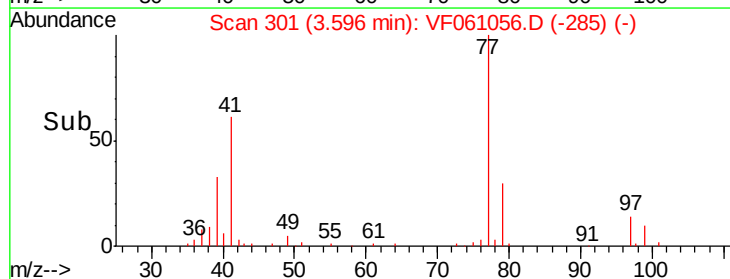
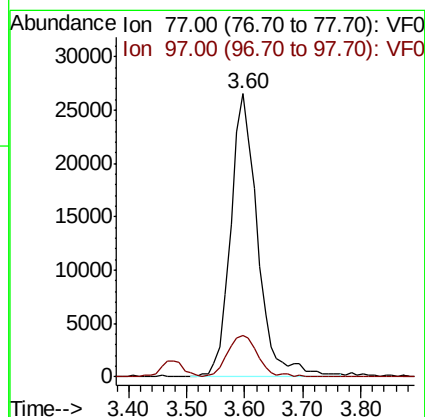
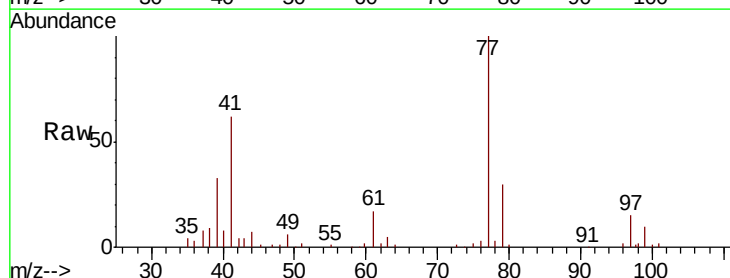
Acq: 18 Dec 2018 11:45

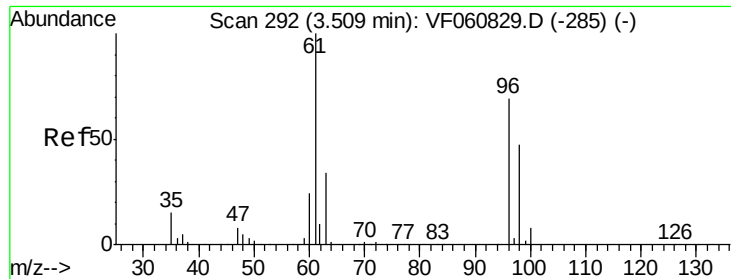
Tgt Ion: 77 Resp: 85654

Ion Ratio Lower Upper

77 100

97 15.9 8.6 25.8



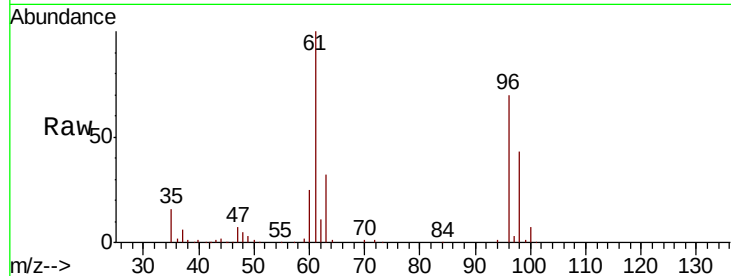


#27

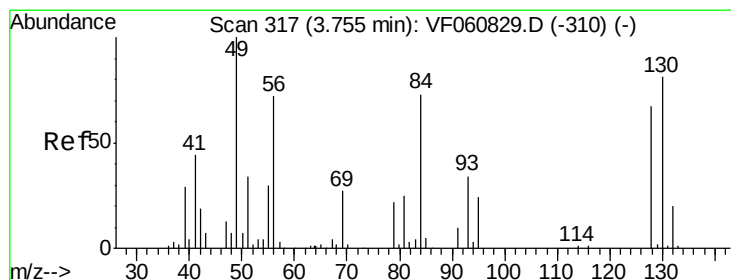
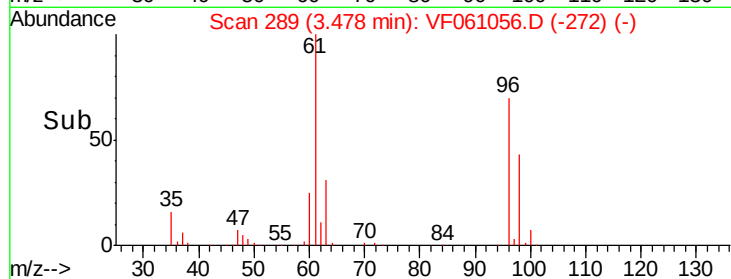
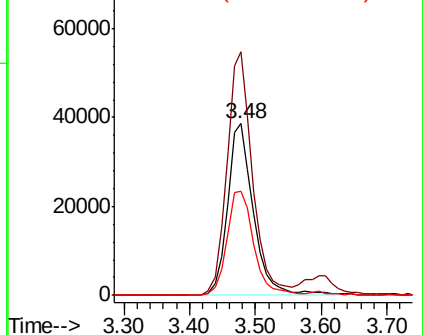
cis-1,2-Dichloroethene
 Concen: 52.837 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	290.6
98	60.6	0.0	137.8



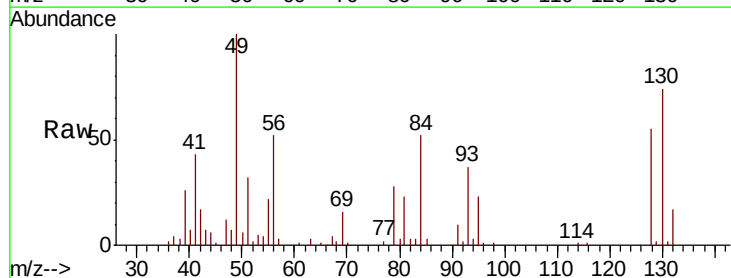
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



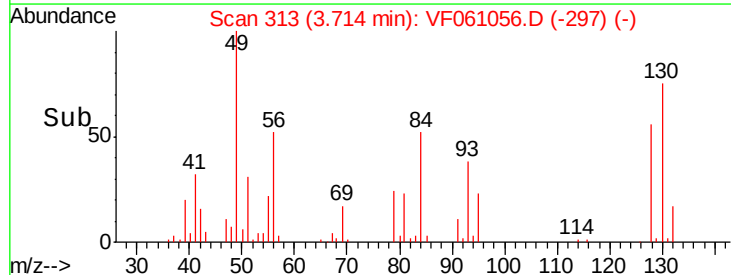
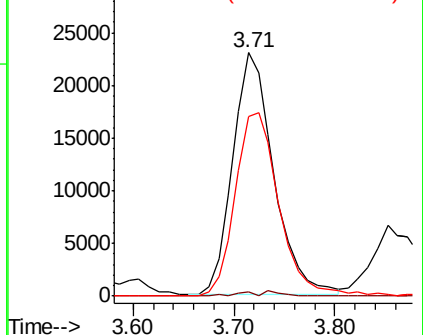
#28

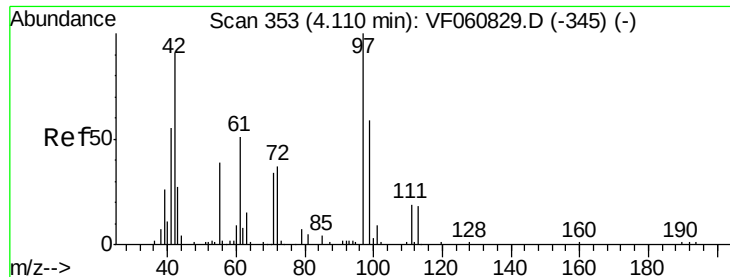
Bromochloromethane
 Concen: 52.379 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	73.8	64.2	96.4



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: 266.633 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

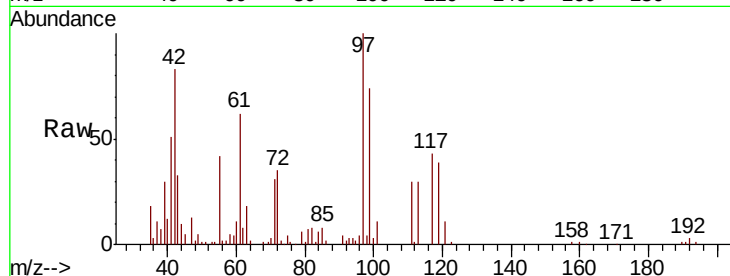
Tot Ion: 42 Resp: 69086

Ion Ratio Lower Upper

42 100

72 38.5 31.9 47.9

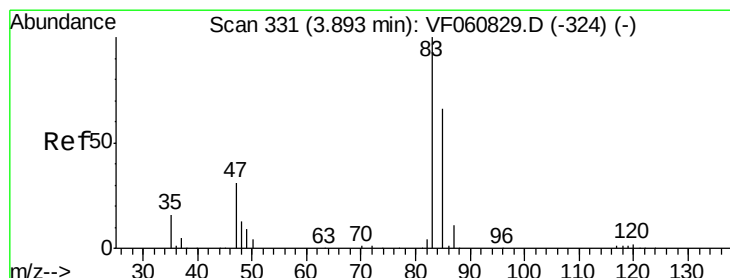
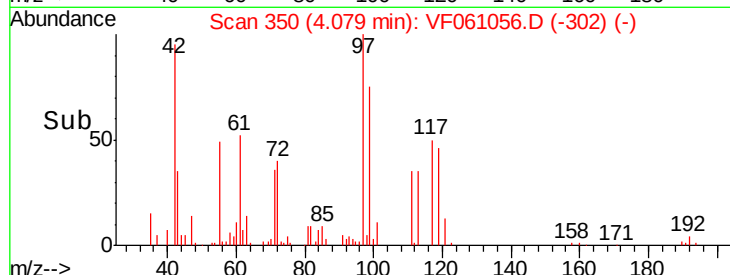
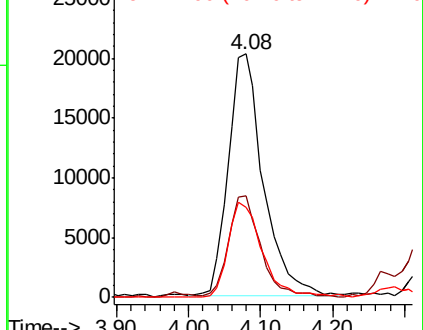
71 38.1 28.7 43.1



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: 52.155 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.03 min

Lab File: VF061056.D

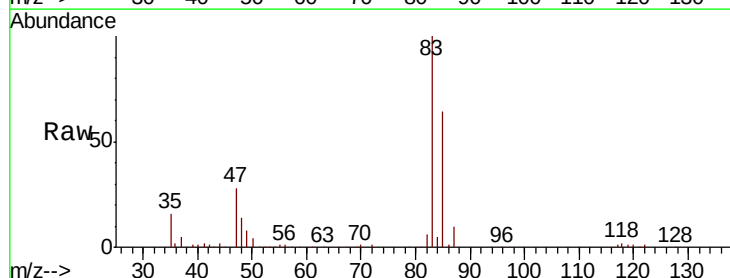
Acq: 18 Dec 2018 11:45

Tgt Ion: 83 Resp: 208709

Ion Ratio Lower Upper

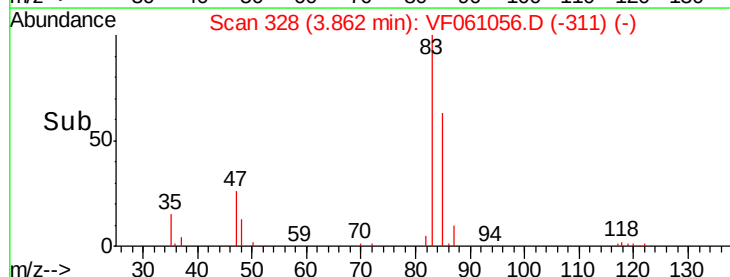
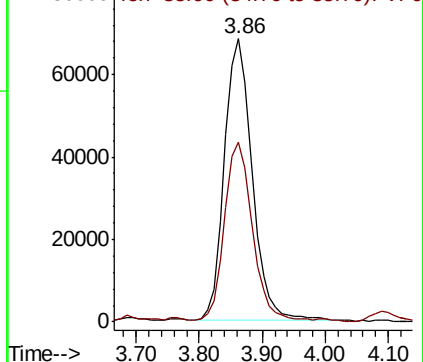
83 100

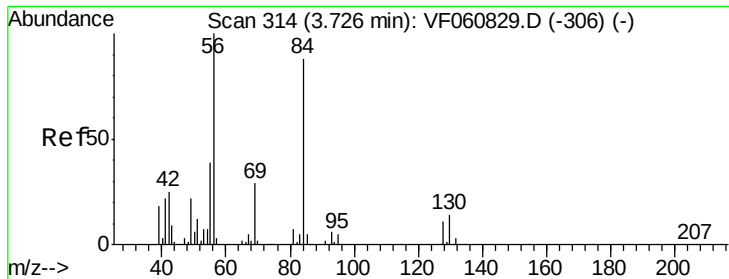
85 63.5 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 25.670 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.03 min

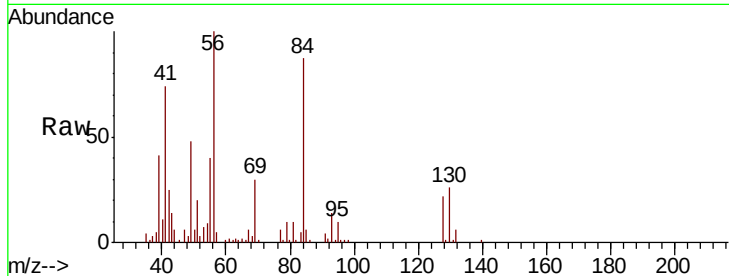
Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 69269

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.0	34.4
84	87.5	70.4	105.6

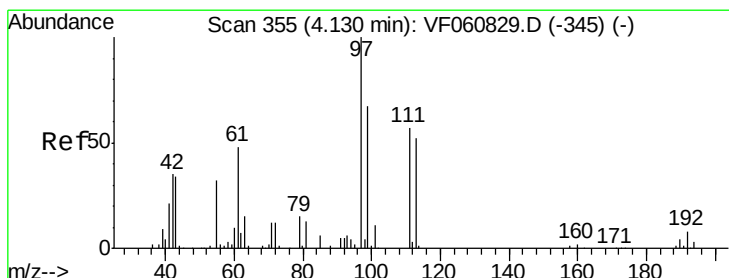
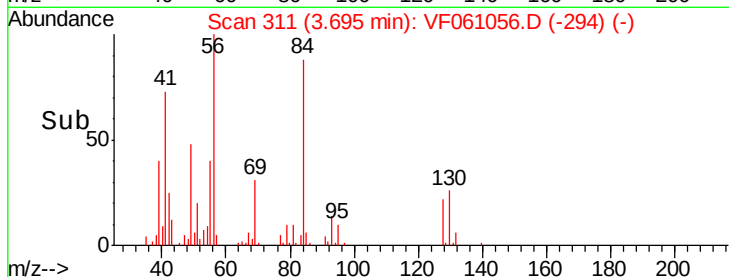
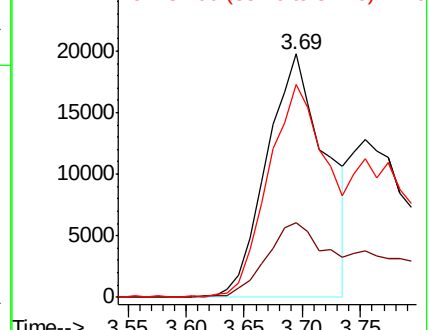


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 45.933 ug/l

RT: 4.10 min Scan# 352

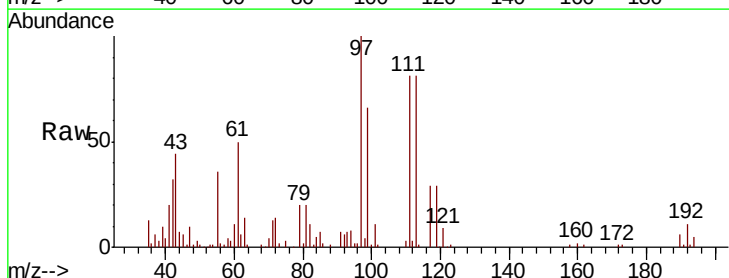
Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Tgt Ion: 97 Resp: 127477

Ion	Ratio	Lower	Upper
97	100		
99	66.2	53.5	80.3
61	50.5	38.6	58.0

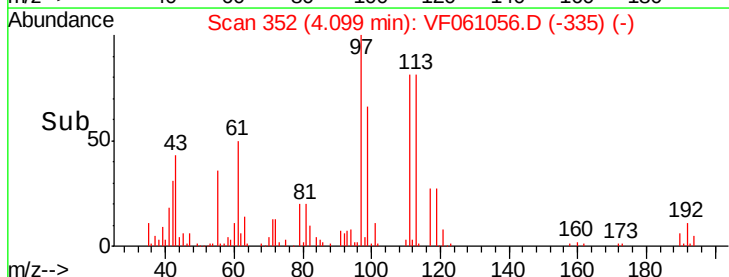
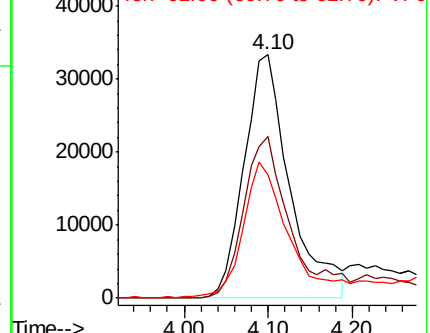


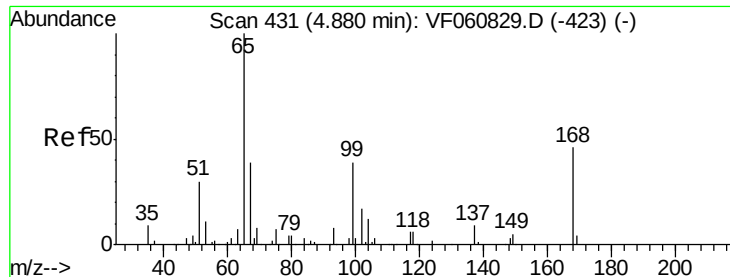
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

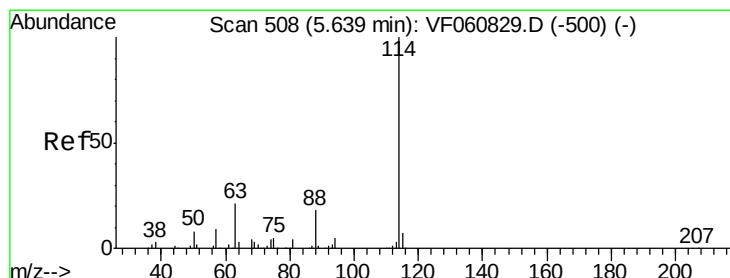
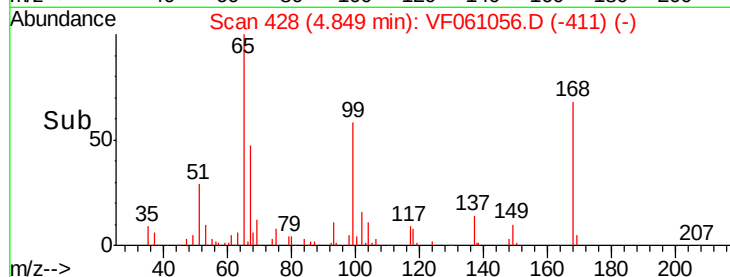
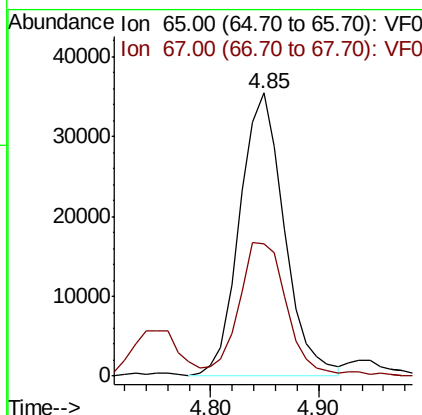
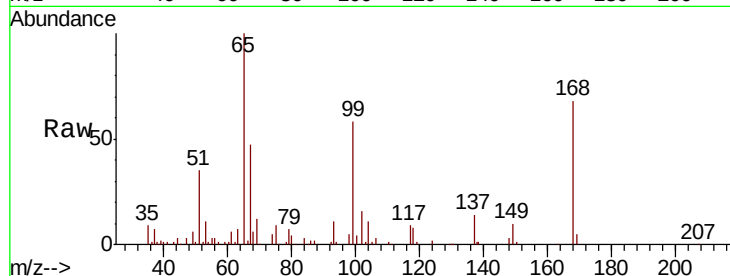




#33
 1,2-Dichloroethane-d4
 Concen: 52.586 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

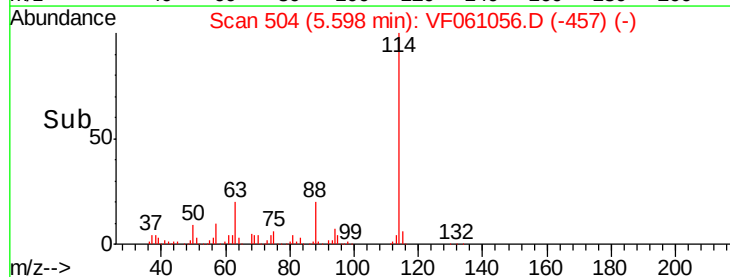
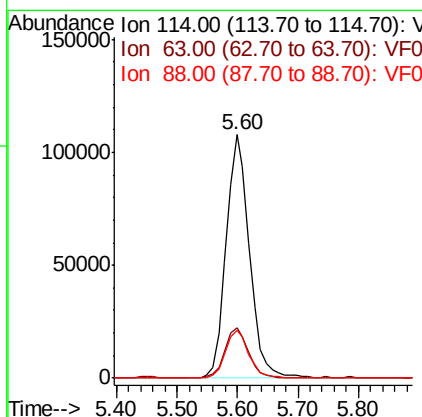
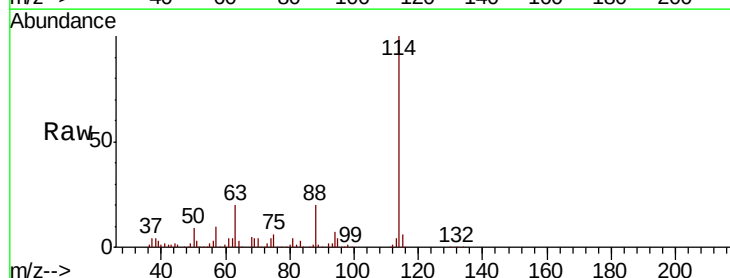
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

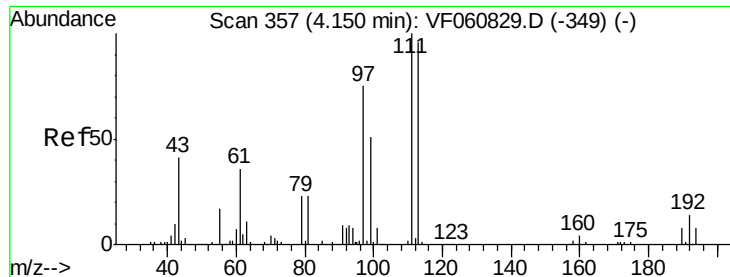
Tot Ion: 65 Resp: 100777
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion: 114 Resp: 289487
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 19.8 0.0 36.6

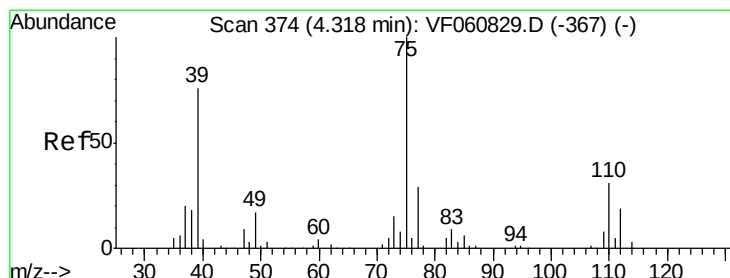
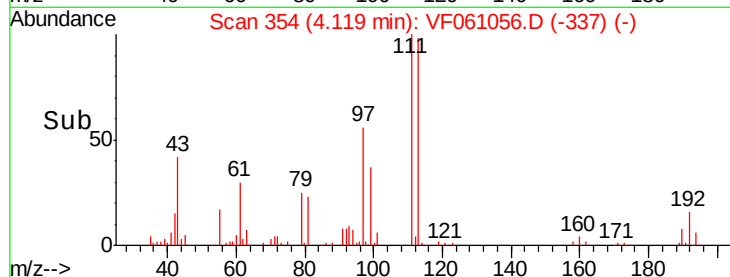
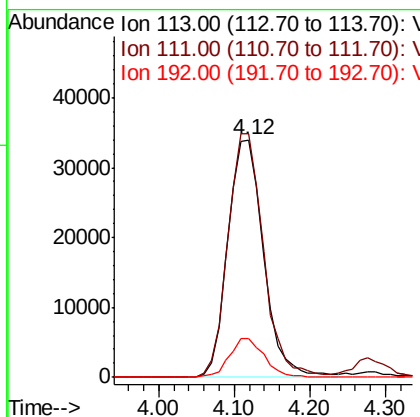
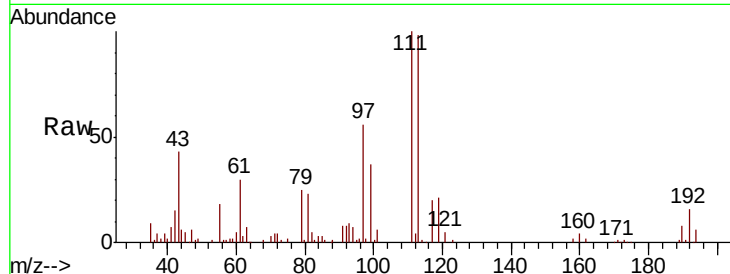




#35
 Dibromofluoromethane
 Concen: 48.517 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

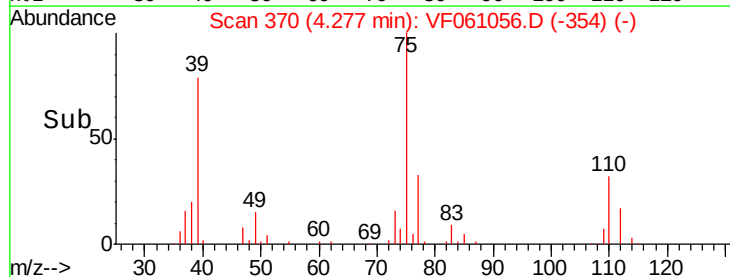
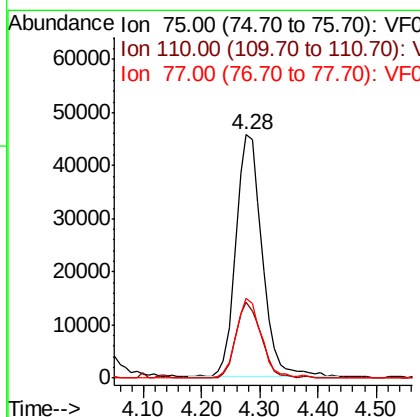
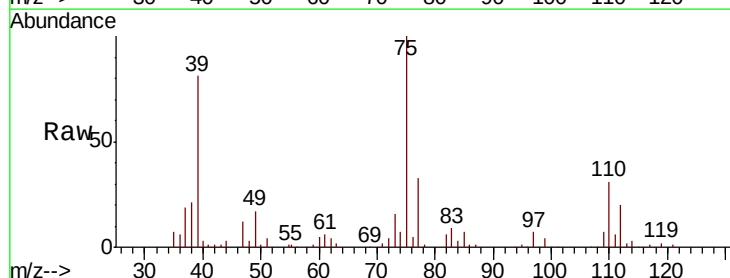
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

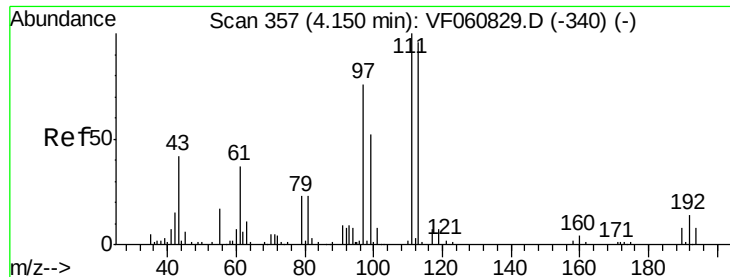
Tot Ion:113 Resp: 111422
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 16.1 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 44.816 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.04 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion: 75 Resp: 143899
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.6 46.8
 77 32.8 23.4 35.0

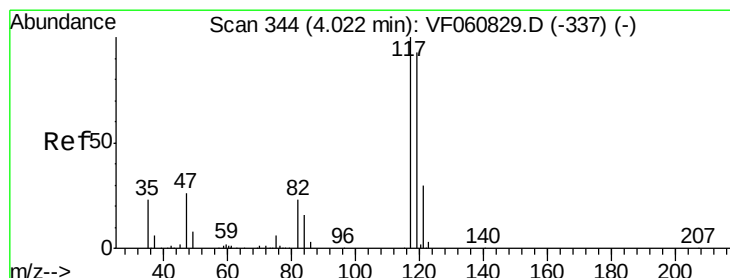
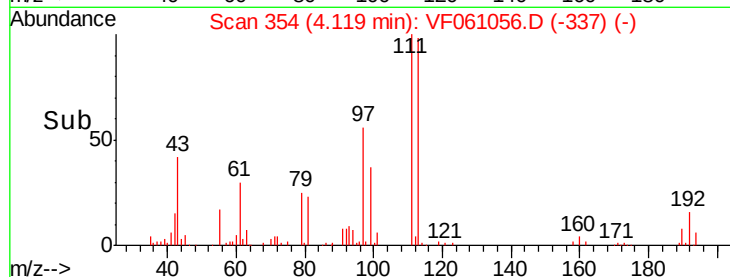
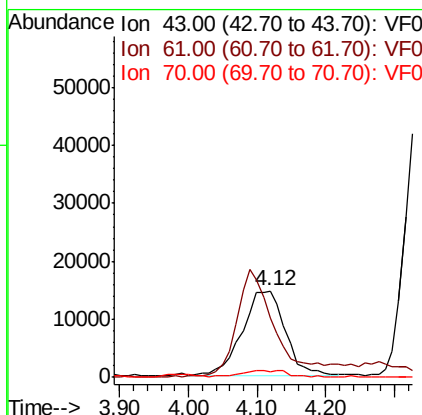
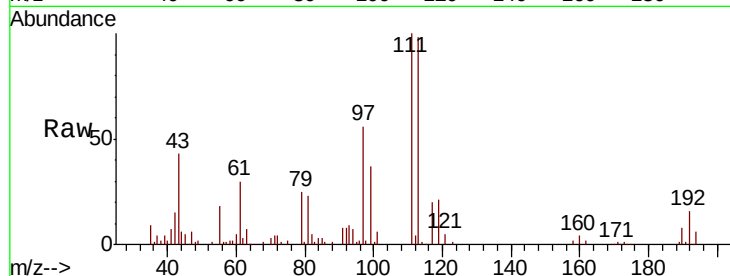




#37
Ethyl Acetate
Concen: 48.312 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

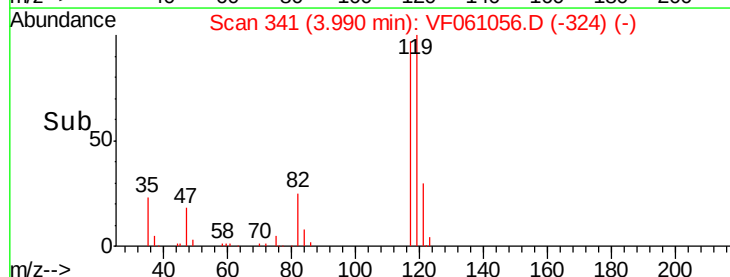
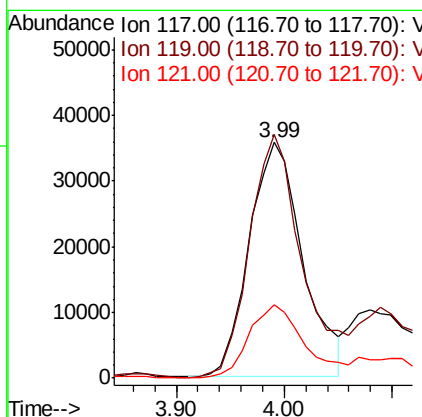
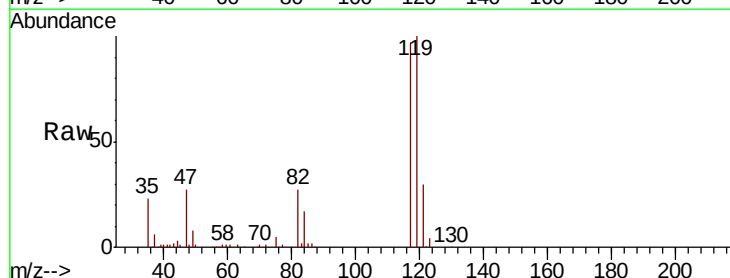
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

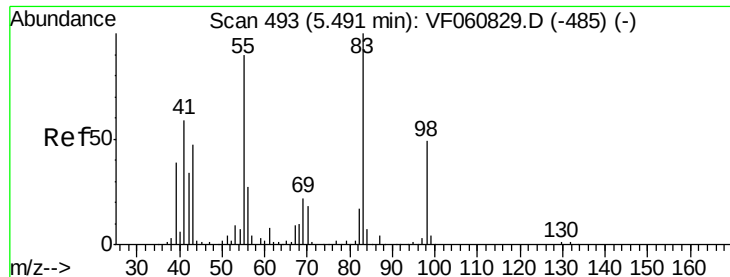
Tot Ion: 43 Resp: 63039
Ion Ratio Lower Upper
43 100
61 68.9 68.6 103.0
70 7.1 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 43.797 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion: 117 Resp: 124208
Ion Ratio Lower Upper
117 100
119 103.5 74.4 111.6
121 31.5 23.5 35.3

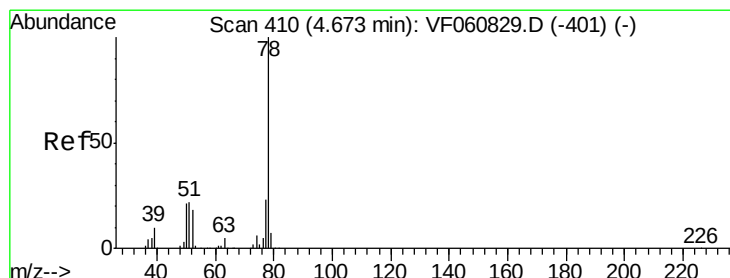
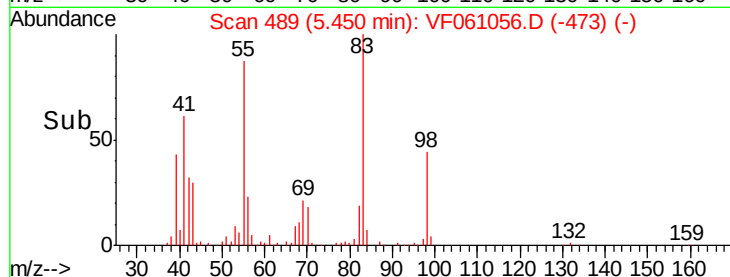
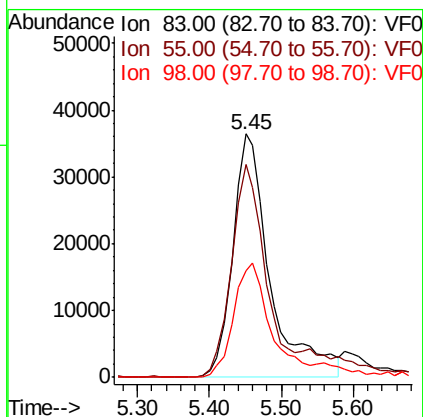
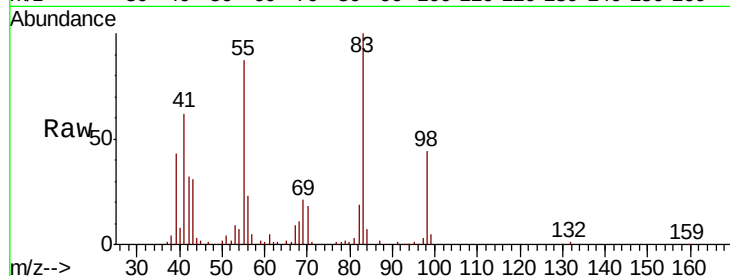




#39
Methylvlcyclohexane
Concen: 39.174 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

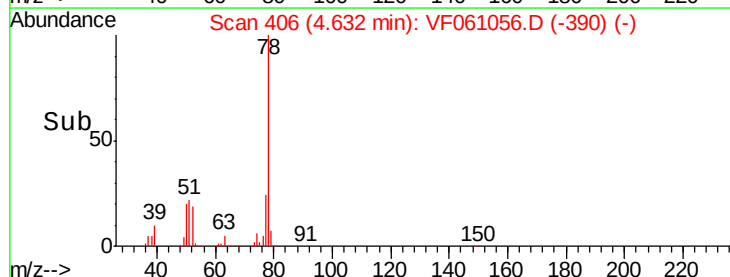
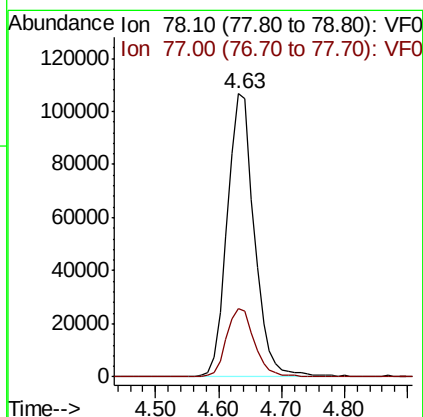
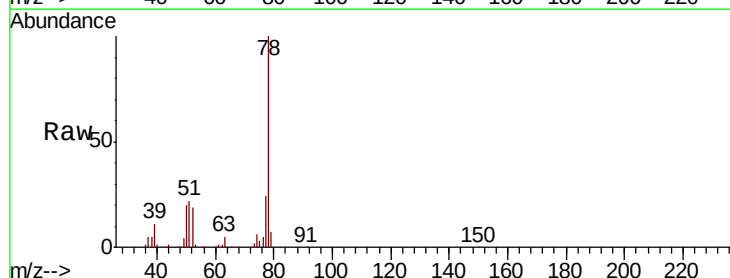
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

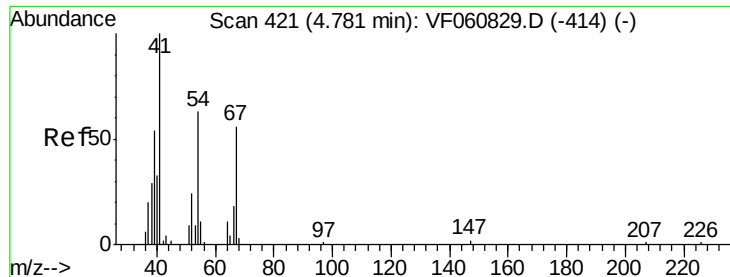
Tot Ion: 83 Resp: 131818
Ion Ratio Lower Upper
83 100
55 87.4 72.1 108.1
98 43.8 39.1 58.7



#40
Benzene
Concen: 44.809 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion: 78 Resp: 317856
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

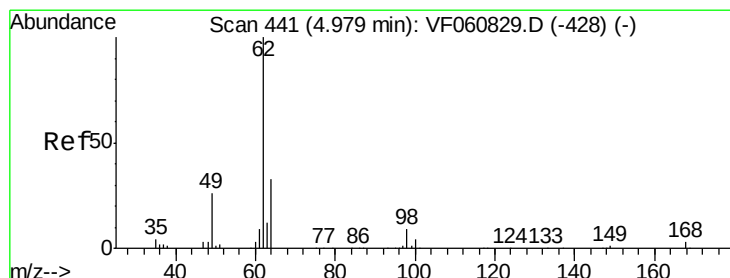
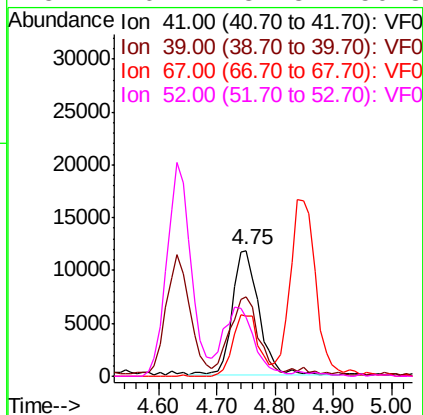
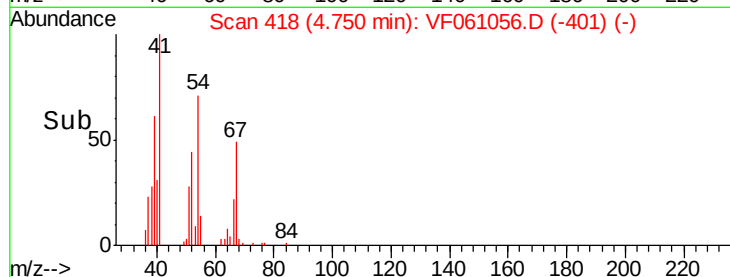
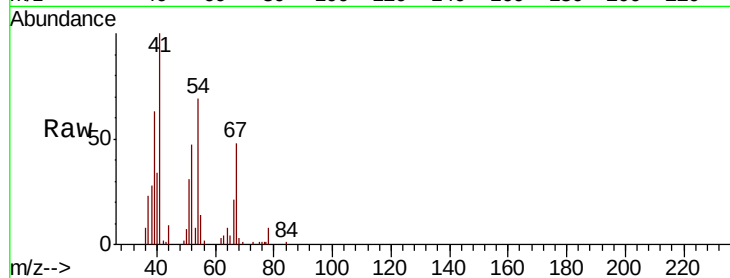




#41
Methacrylonitrile
Concen: 55.619 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

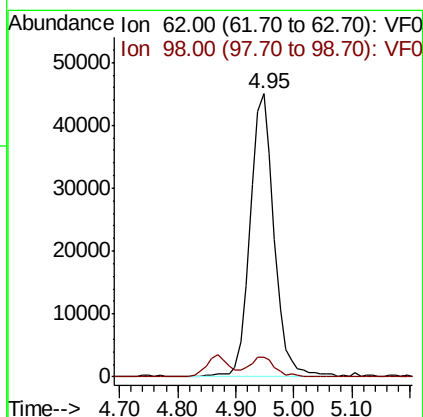
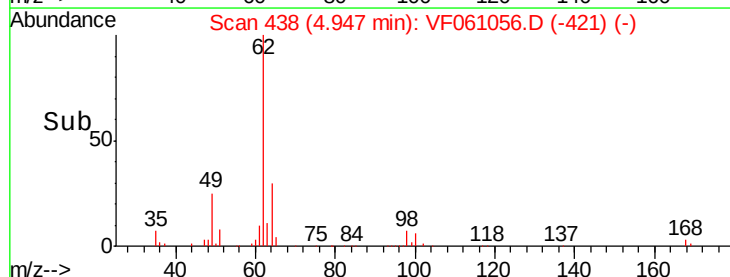
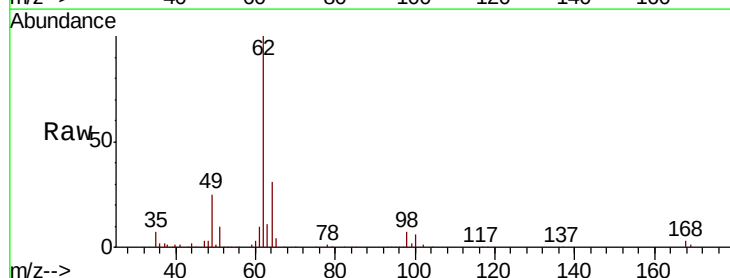
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

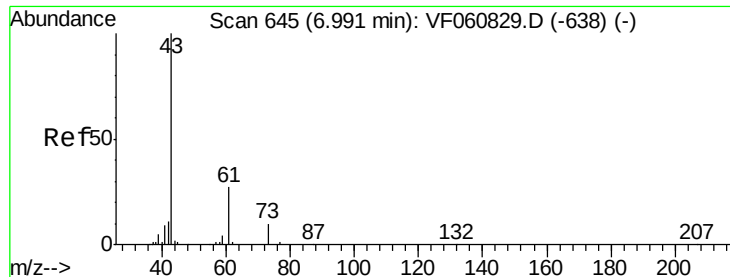
Tot Ion:	41	Resp:	37280
Ion	Ratio	Lower	Upper
41	100		
39	62.9	53.0	79.6
67	48.0	43.8	65.6
52	46.7	37.8	56.8



#42
1,2-Dichloroethane
Concen: 50.618 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion:	62	Resp:	131085
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 52.562 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

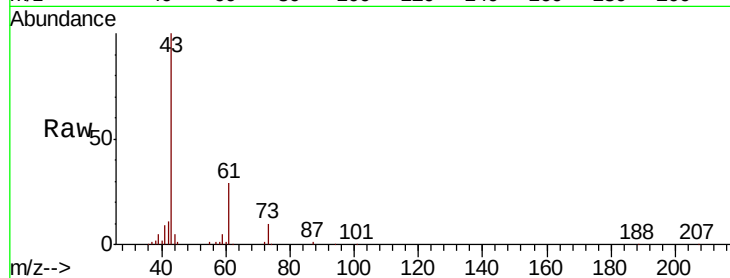
Tot Ion: 43 Resp: 84395

Ion Ratio Lower Upper

43 100

61 28.5 21.4 32.0

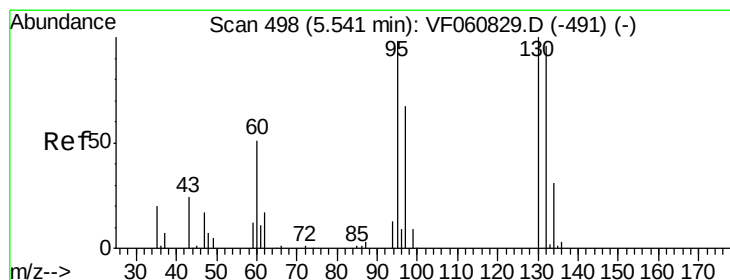
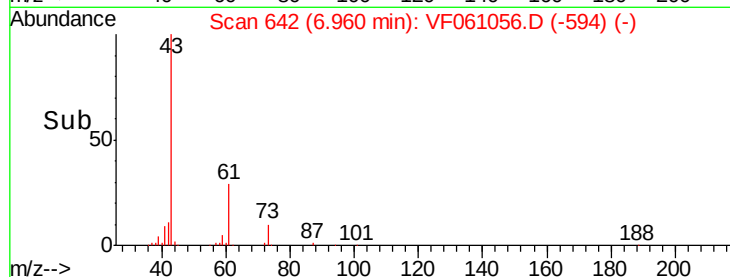
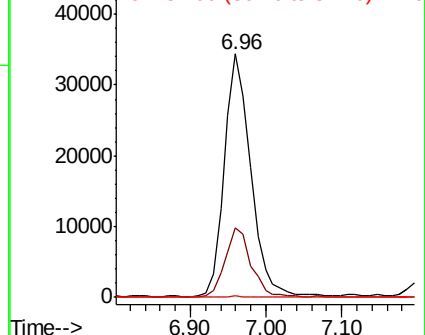
87 0.8 0.2 0.4#



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: 43.670 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.04 min

Lab File: VF061056.D

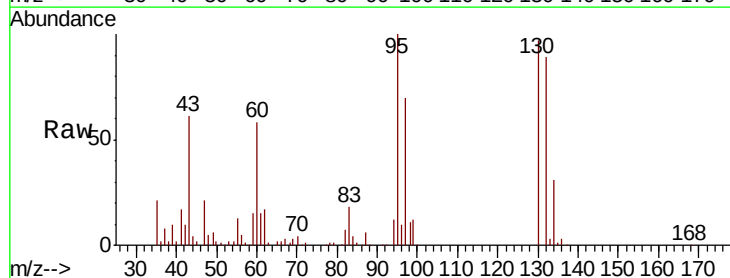
Acq: 18 Dec 2018 11:45

Tgt Ion:130 Resp: 101286

Ion Ratio Lower Upper

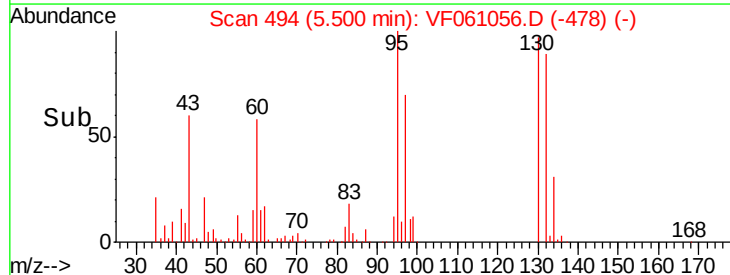
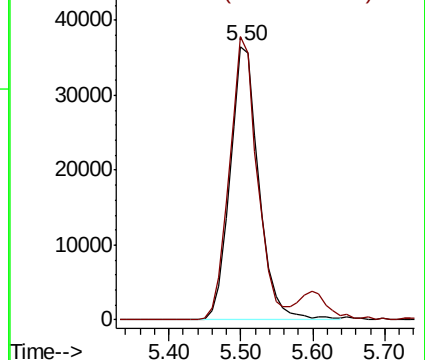
130 100

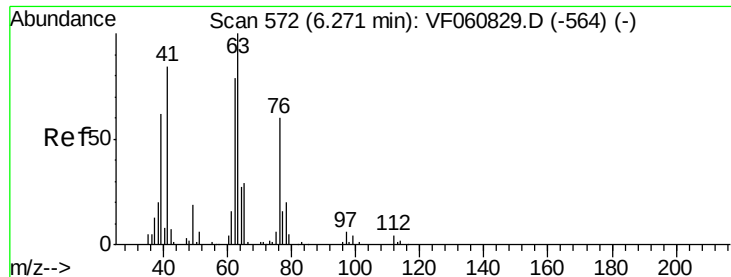
95 103.5 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.392 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

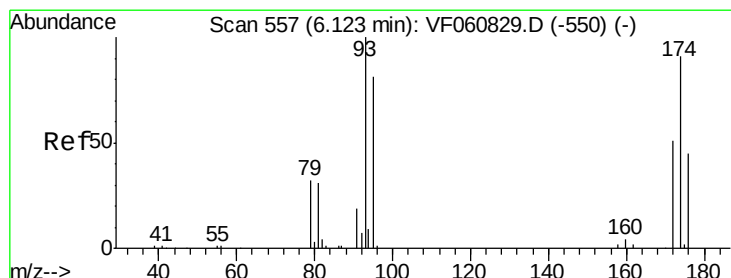
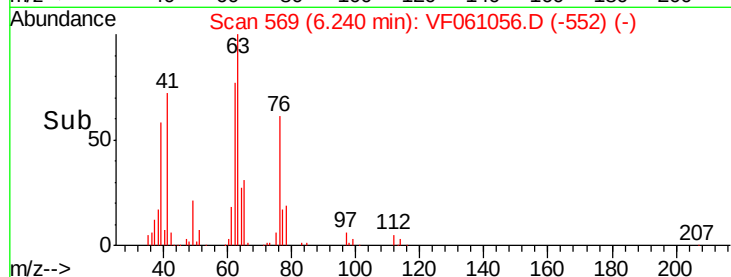
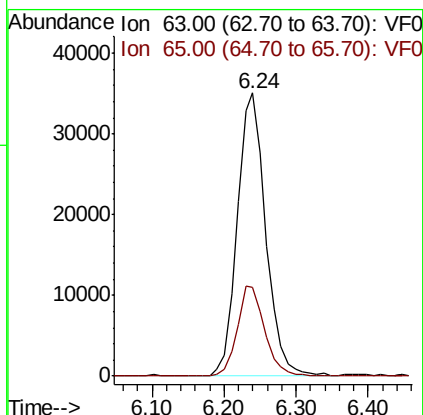
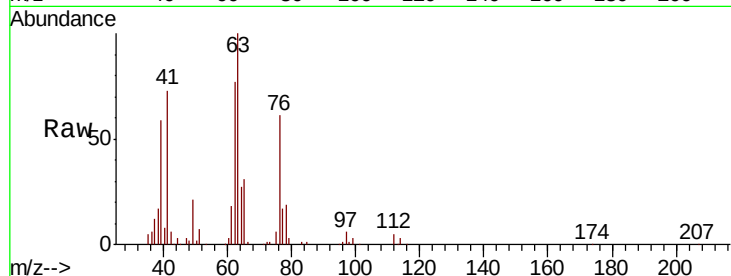
VSTDCCC050

Tot Ion: 63 Resp: 96521

Ion Ratio Lower Upper

63 100

65 31.2 23.2 34.8



#46

Dibromomethane

Concen: 50.135 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

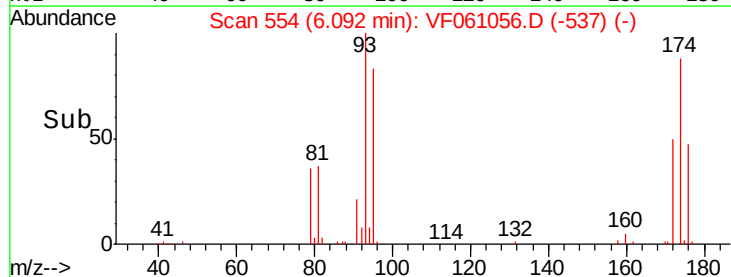
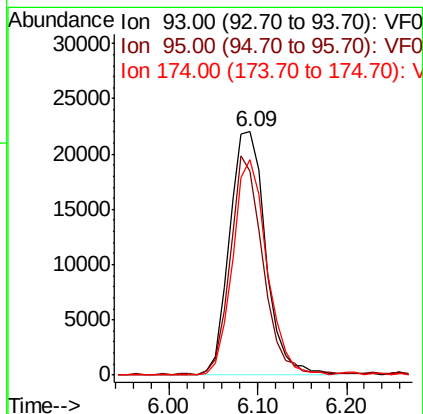
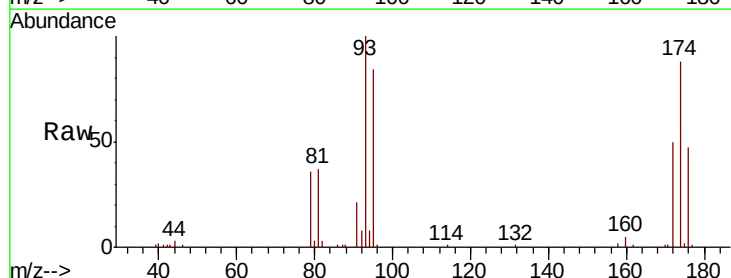
Tgt Ion: 93 Resp: 62656

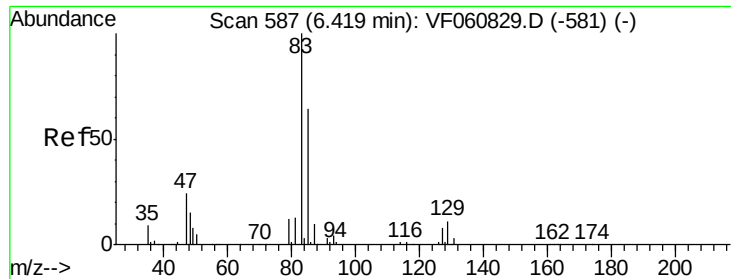
Ion Ratio Lower Upper

93 100

95 83.7 64.7 97.1

174 88.4 73.0 109.6





#47

Bromodichloromethane

Concen: 50.670 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

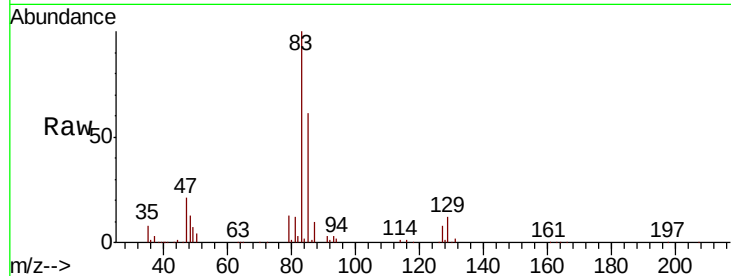
Tot Ion: 83 Resp: 168188

Ion Ratio Lower Upper

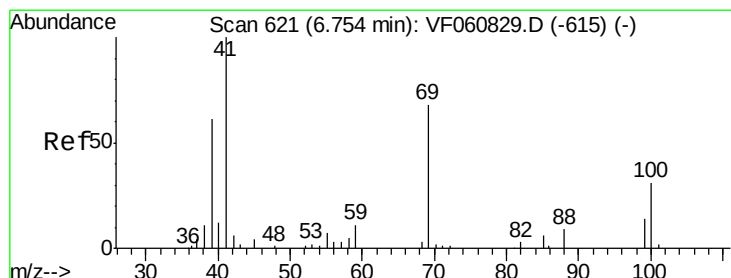
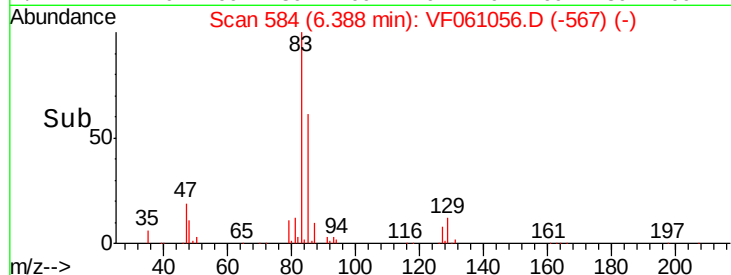
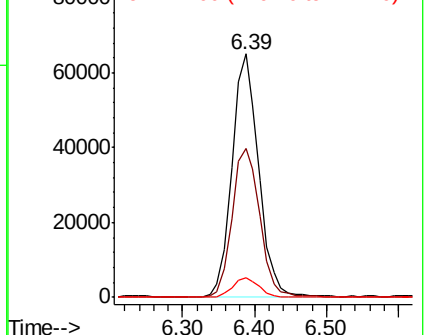
83 100

85 60.9 51.1 76.7

127 8.0 6.8 10.2



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: 49.709 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

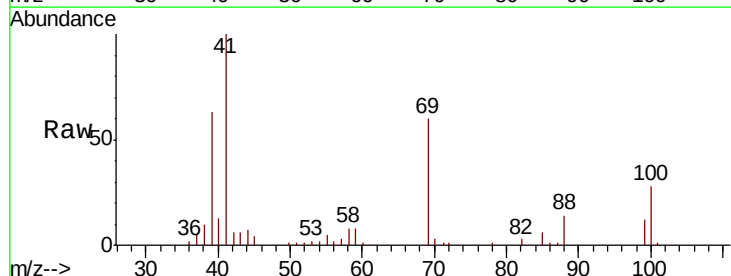
Tgt Ion: 41 Resp: 58711

Ion Ratio Lower Upper

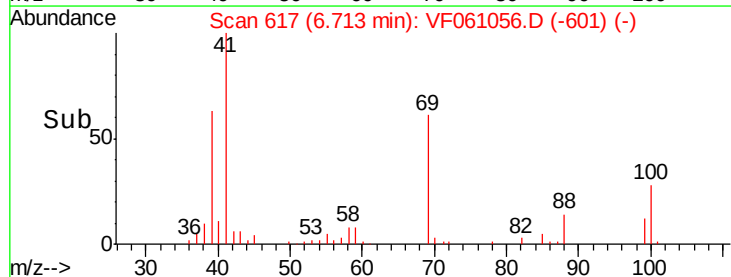
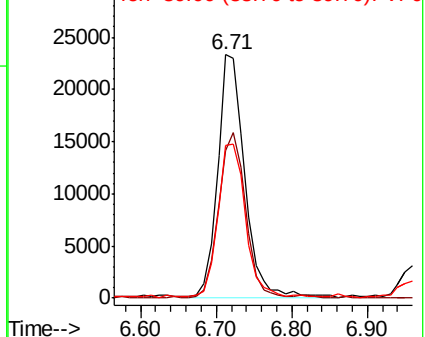
41 100

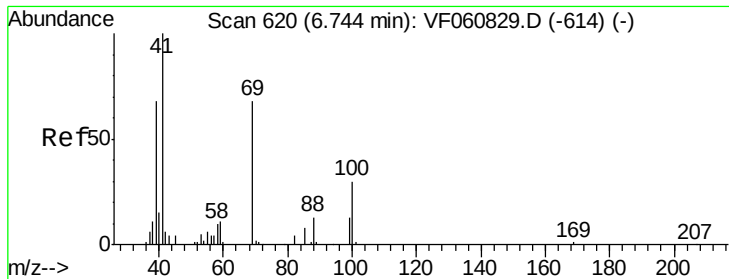
69 60.5 53.9 80.9

39 63.0 49.0 73.6



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: 31.120 ug/l

RT: 6.81 min Scan# 627

Delta R.T. 0.07 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

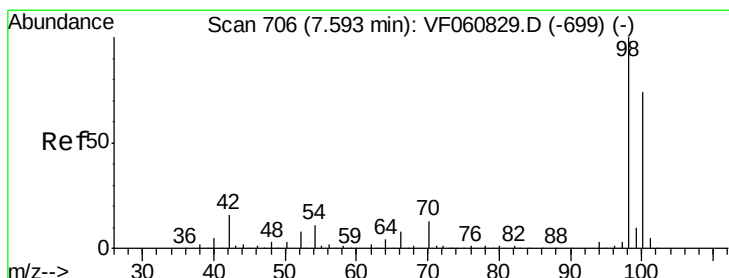
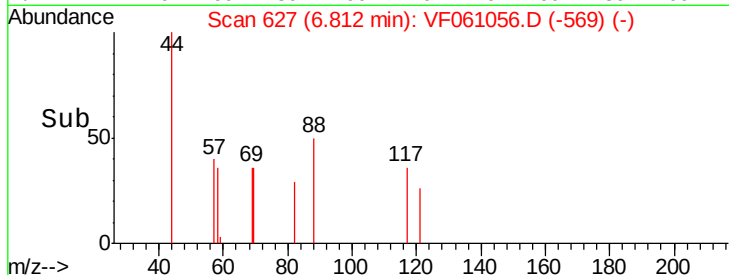
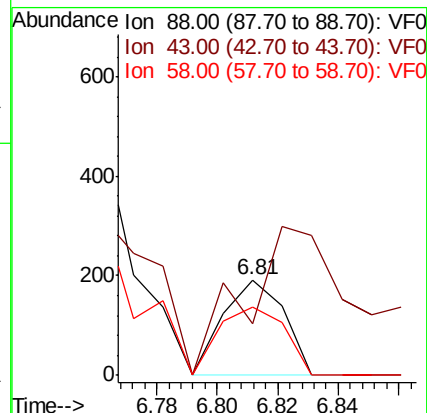
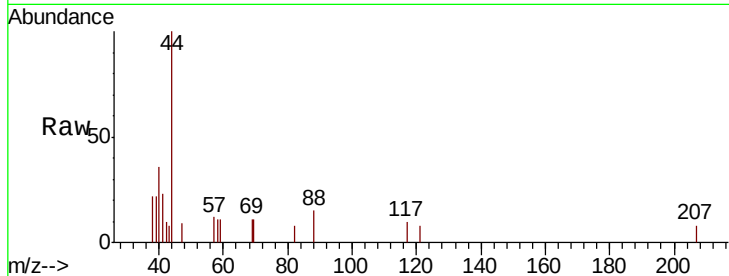
Tot Ion: 88 Resp: 269

Ion Ratio Lower Upper

88 100

43 54.2 42.0 63.0

58 71.9 61.8 92.8



#50

Toluene-d8

Concen: 45.548 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF061056.D

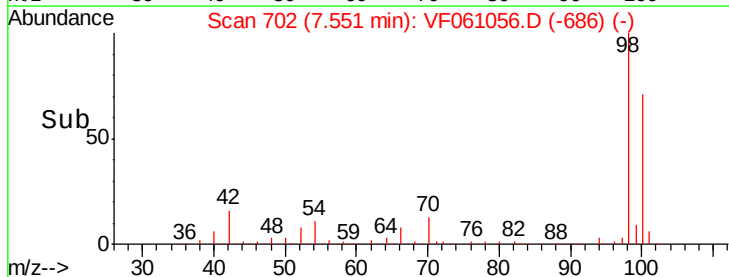
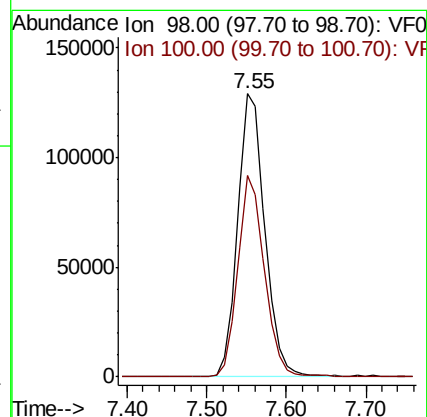
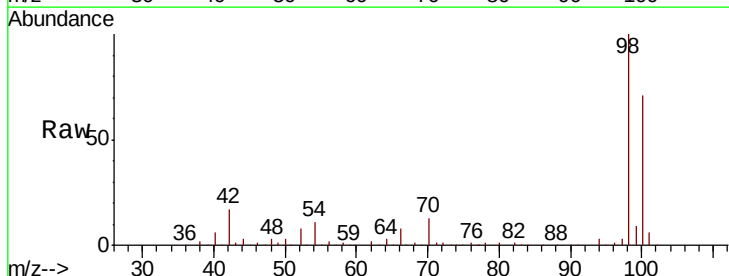
Acq: 18 Dec 2018 11:45

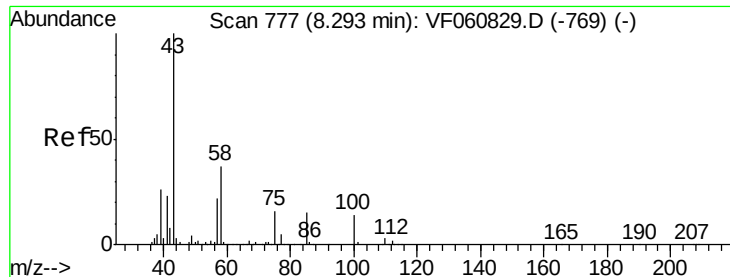
Tgt Ion: 98 Resp: 308131

Ion Ratio Lower Upper

98 100

100 71.3 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 245.614 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

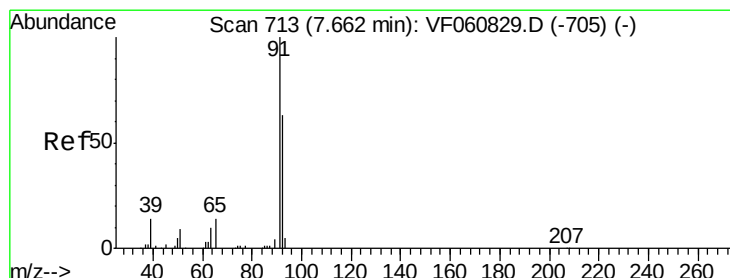
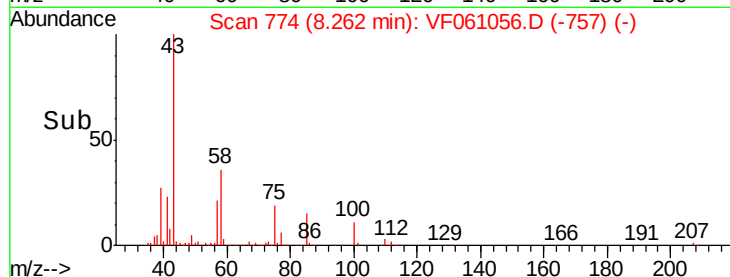
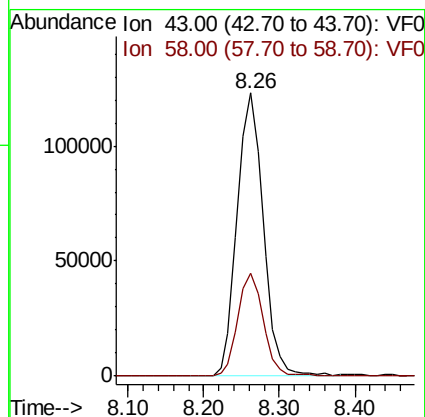
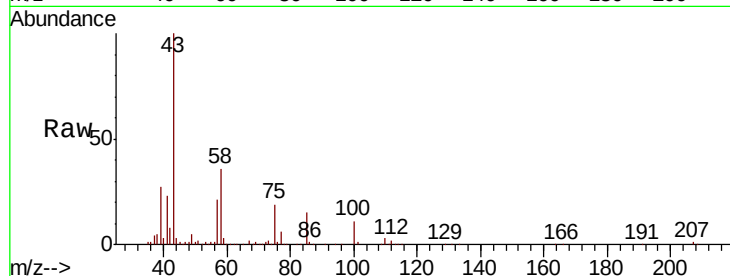
VSTDCCC050

Tot Ion: 43 Resp: 295536

Ion Ratio Lower Upper

43 100

58 36.4 29.7 44.5



#52

Toluene

Concen: 43.377 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF061056.D

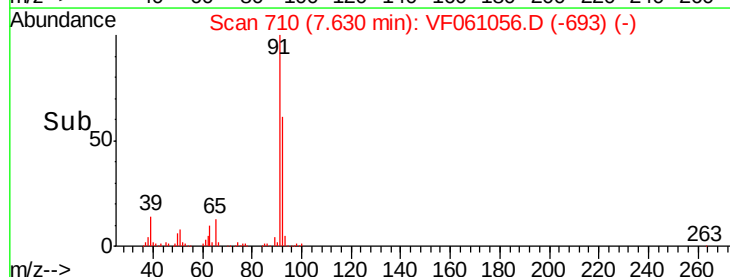
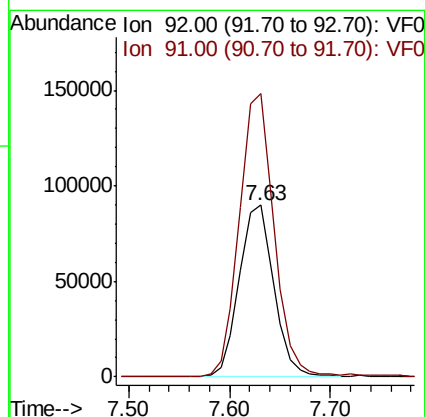
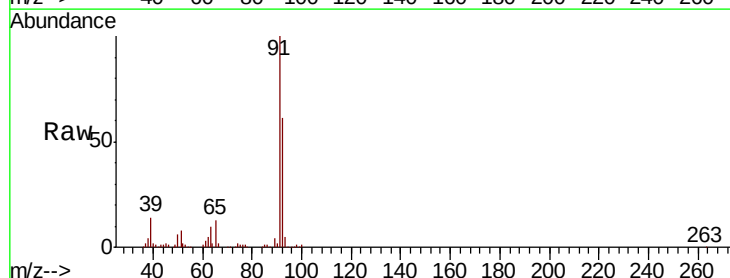
Acq: 18 Dec 2018 11:45

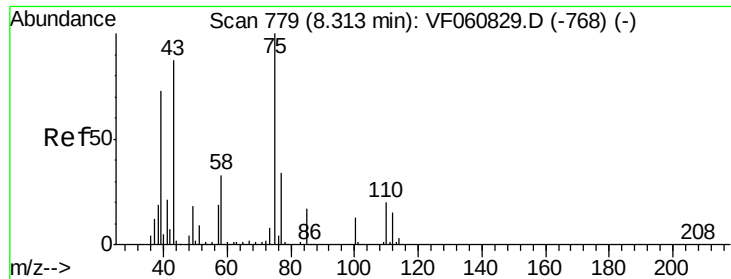
Tgt Ion: 92 Resp: 216128

Ion Ratio Lower Upper

92 100

91 165.1 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 48.734 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

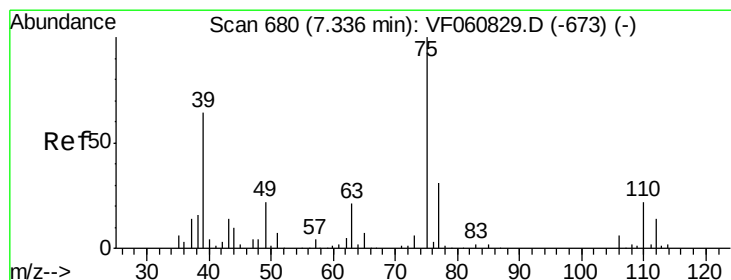
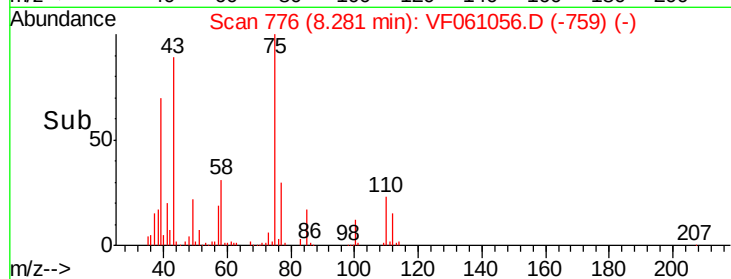
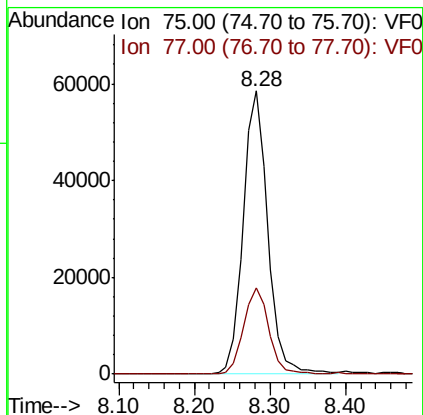
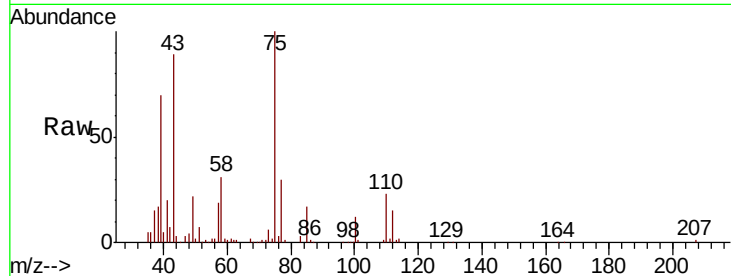
VSTDCCC050

Tot Ion: 75 Resp: 131579

Ion Ratio Lower Upper

75 100

77 30.3 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 48.447 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

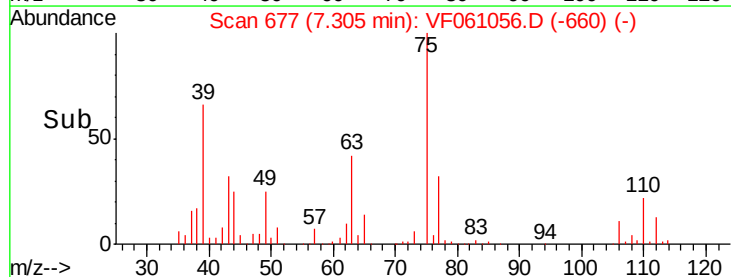
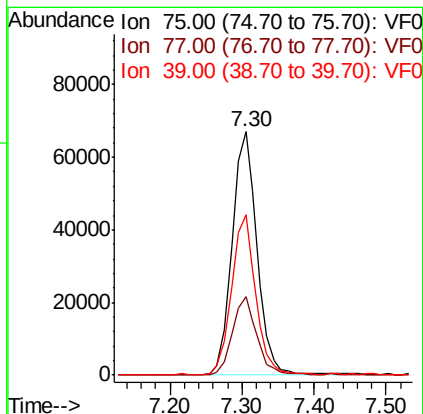
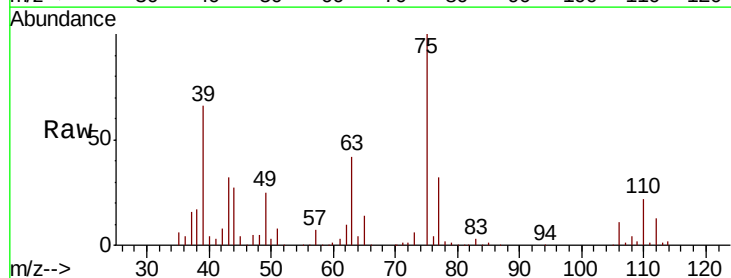
Tgt Ion: 75 Resp: 161934

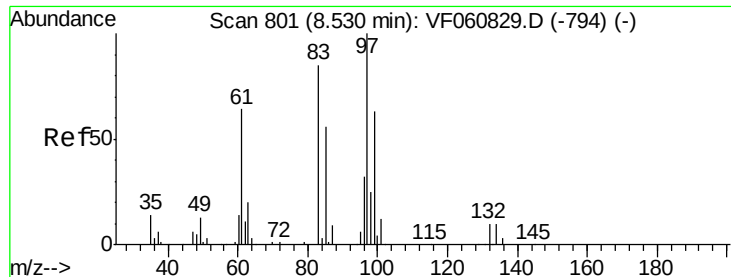
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6

39 66.0 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 48.316 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 70148

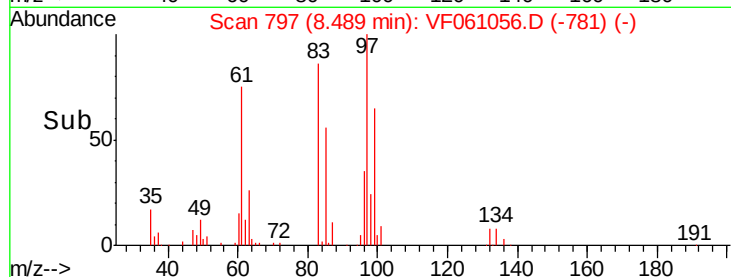
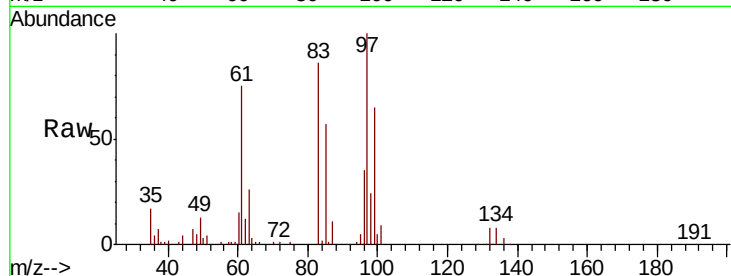
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.8	101.6
85	57.2	45.0	67.6
99	64.9	50.5	75.7

97 100

83 86.5 67.8 101.6

85 57.2 45.0 67.6

99 64.9 50.5 75.7

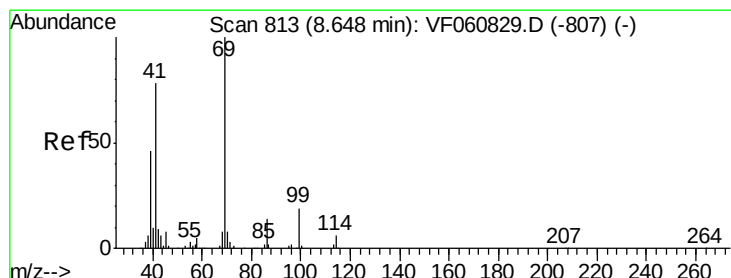
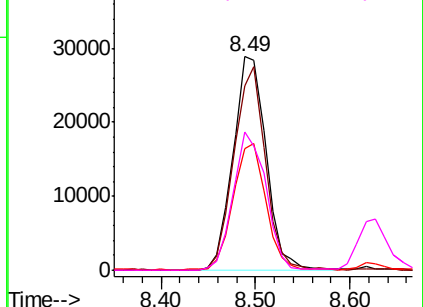


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 47.751 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.02 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

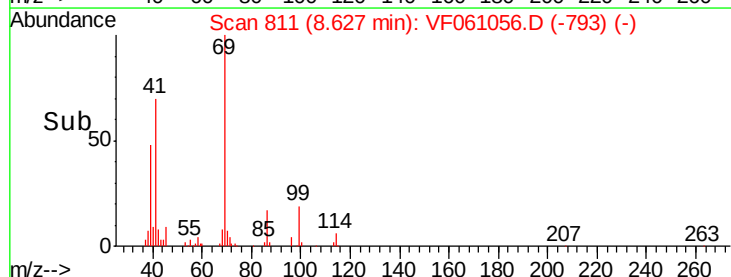
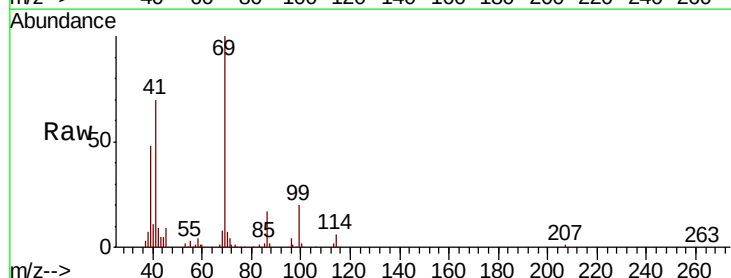
Tgt Ion: 69 Resp: 77014

Ion	Ratio	Lower	Upper
69	100		
41	70.3	62.6	94.0
39	48.4	37.8	56.6

69 100

41 70.3 62.6 94.0

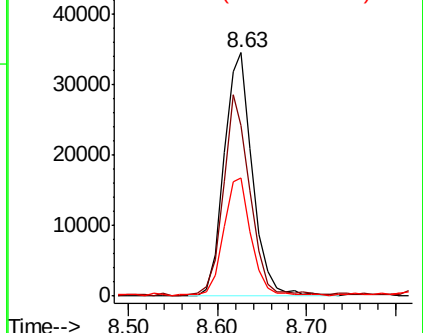
39 48.4 37.8 56.6

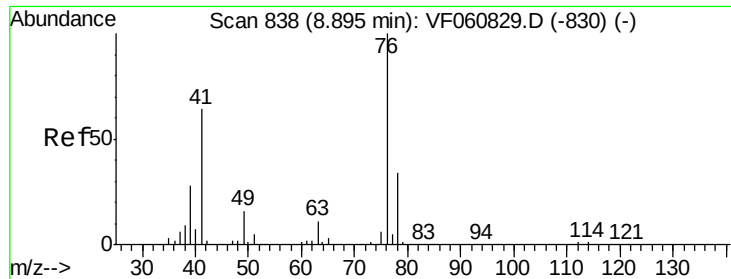


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 50.922 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.04 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

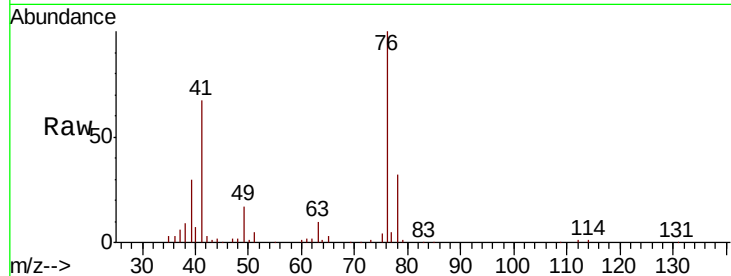
VSTDCCC050

Tot Ion: 76 Resp: 129348

Ion Ratio Lower Upper

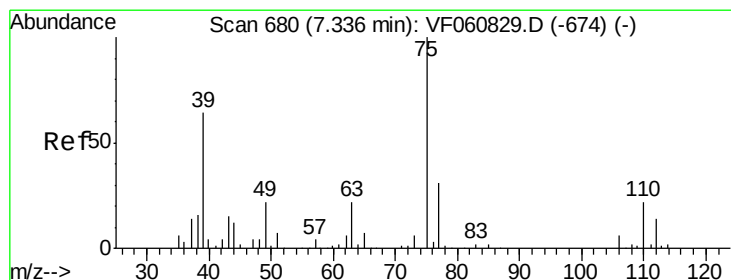
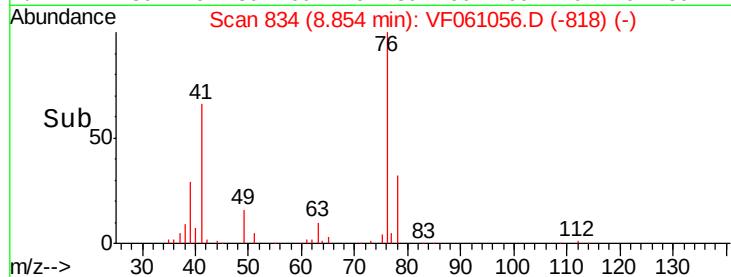
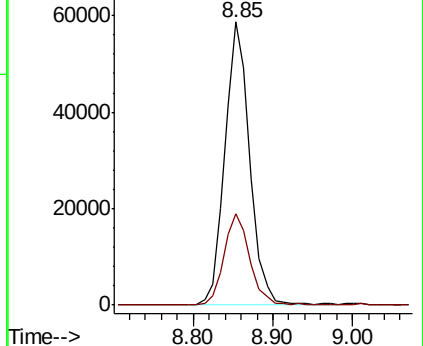
76 100

78 32.3 27.0 40.4



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: 444.560 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF061056.D

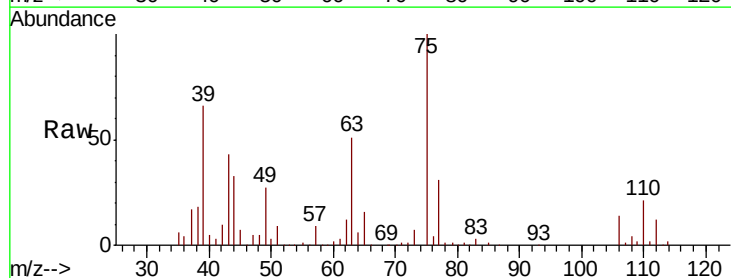
Acq: 18 Dec 2018 11:45

Tgt Ion: 63 Resp: 73339

Ion Ratio Lower Upper

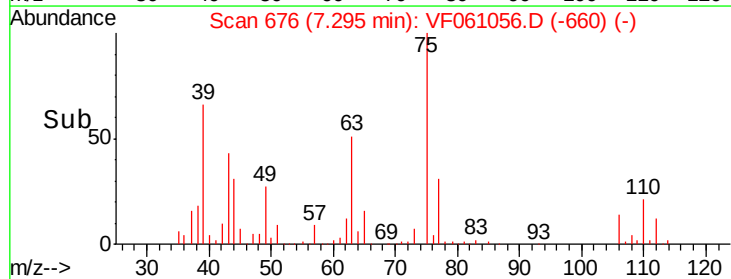
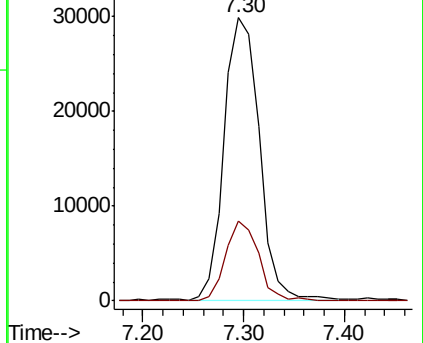
63 100

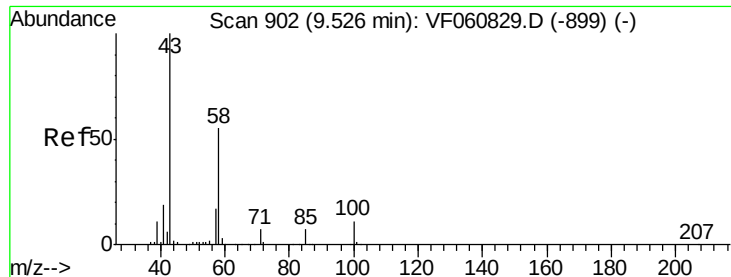
106 28.2 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

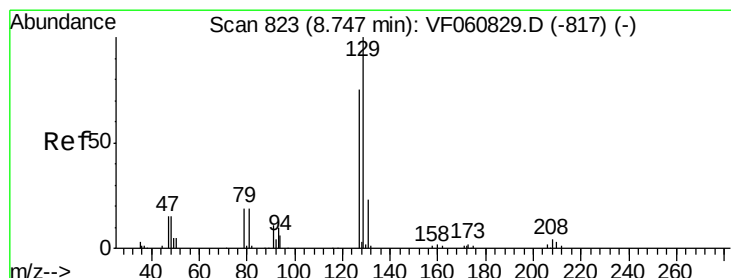
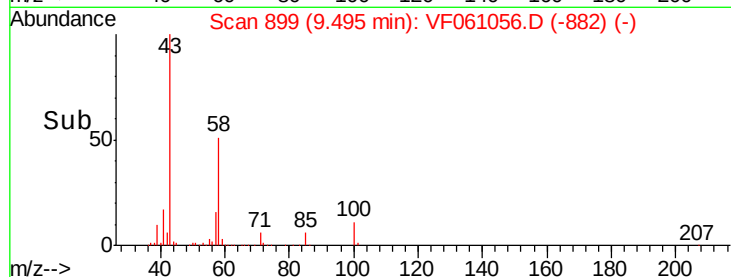
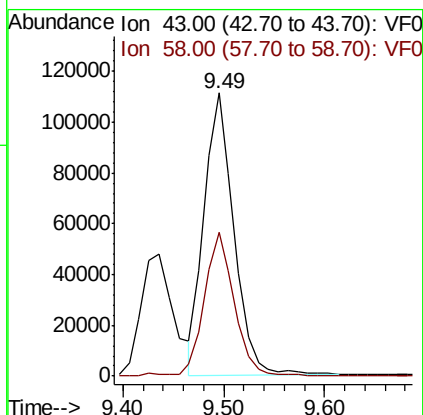
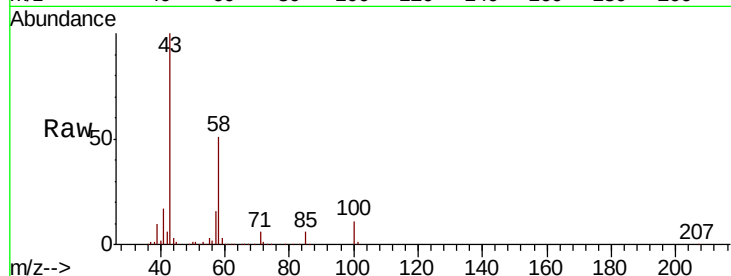




#59
2-Hexanone
Concen: 268.957 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

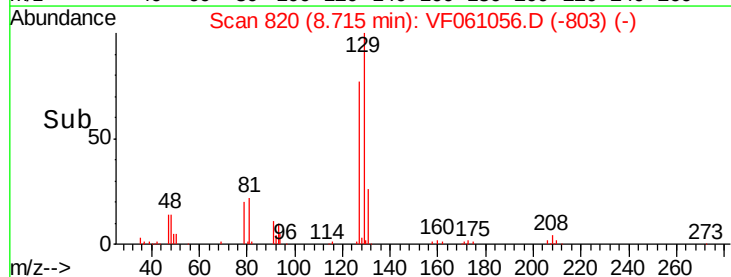
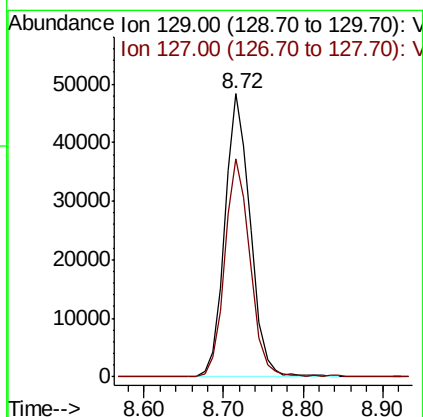
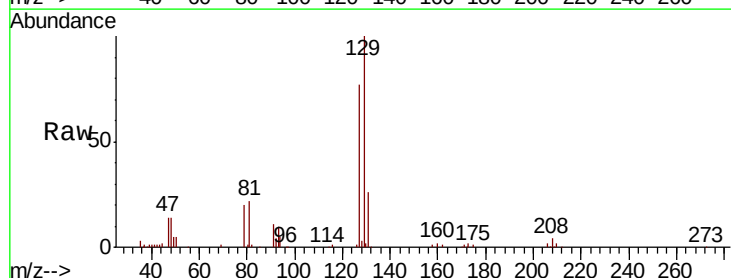
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

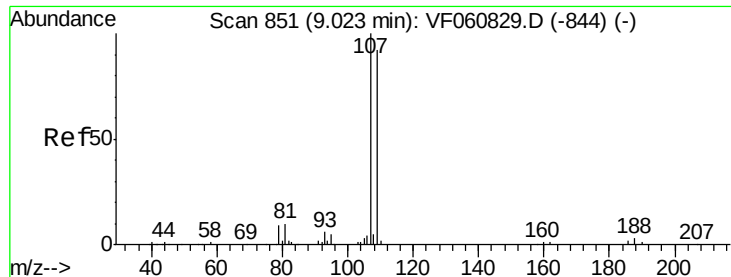
Tot Ion: 43 Resp: 227042
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.6



#60
Dibromochloromethane
Concen: 50.380 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion: 129 Resp: 108984
Ion Ratio Lower Upper
129 100
127 77.2 37.3 111.9





#61

1,2-Dibromoethane

Concen: 48.413 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

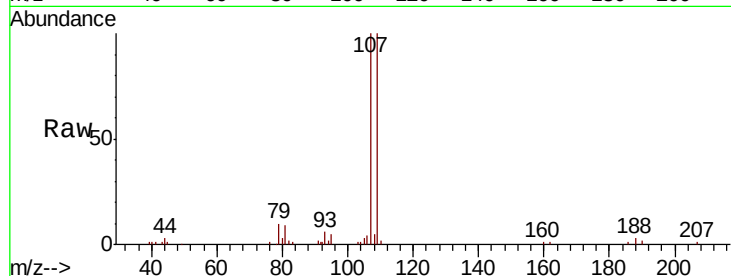
VSTDCCC050

Tot Ion:107 Resp: 75932

Ion Ratio Lower Upper

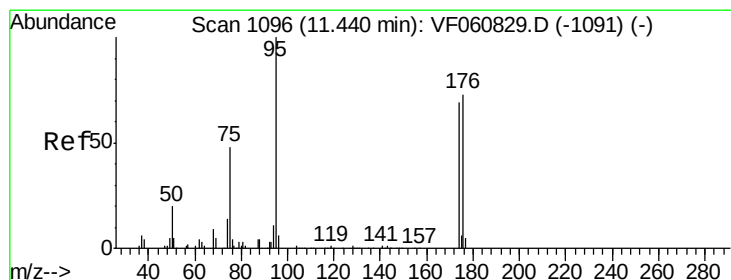
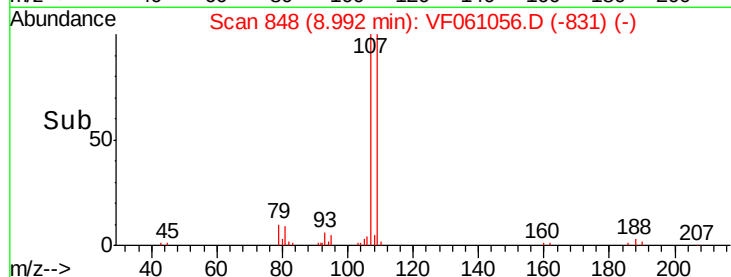
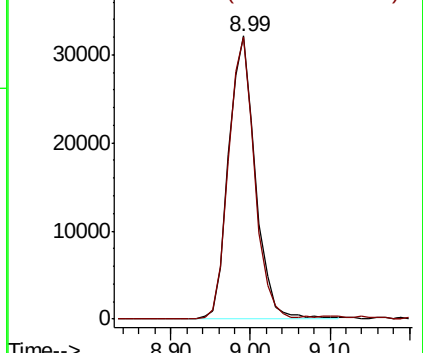
107 100

109 99.8 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.357 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

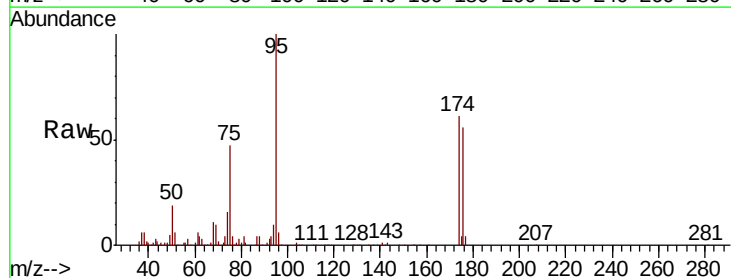
Tgt Ion: 95 Resp: 151753

Ion Ratio Lower Upper

95 100

174 61.4 0.0 138.2

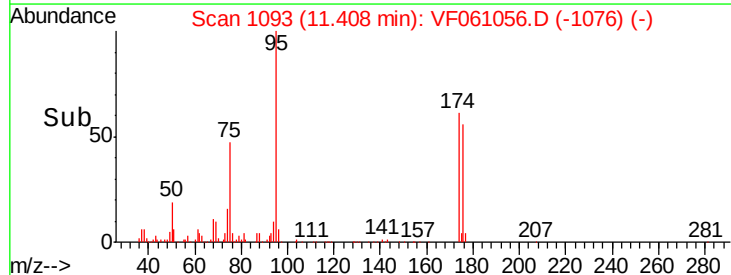
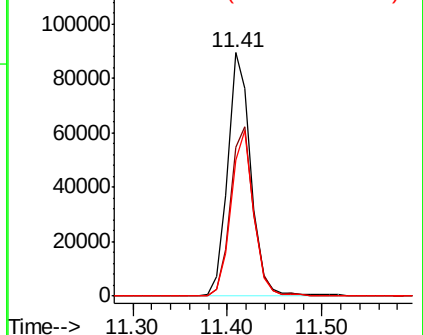
176 56.2 0.0 146.2

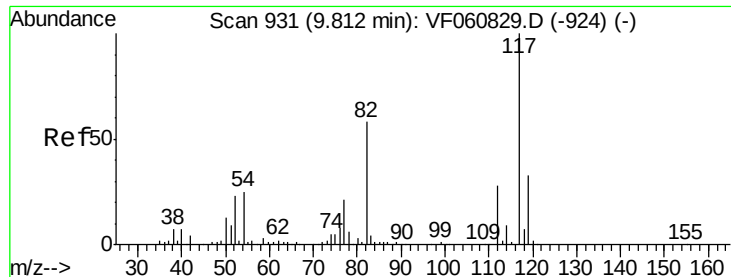


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

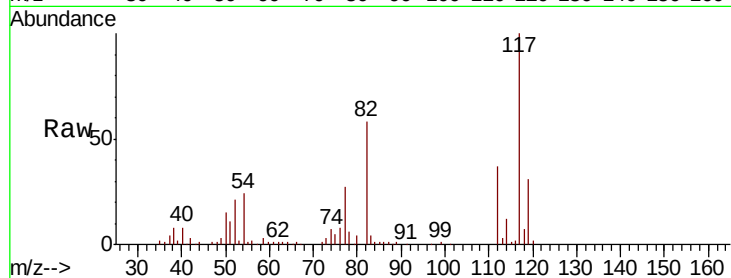




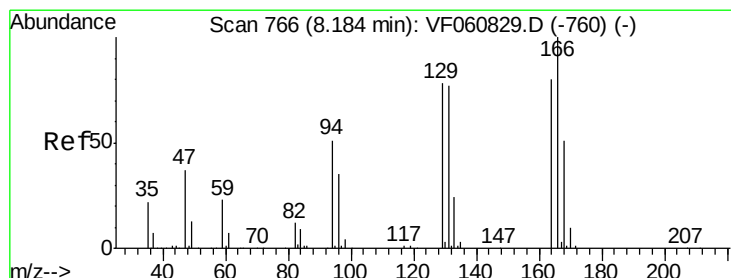
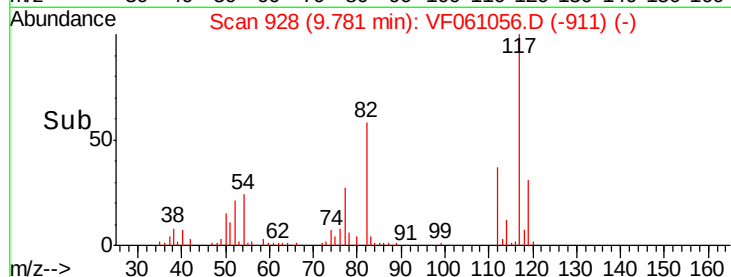
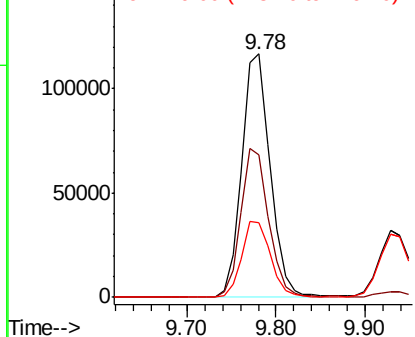
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 259132
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 30.5 26.4 39.6



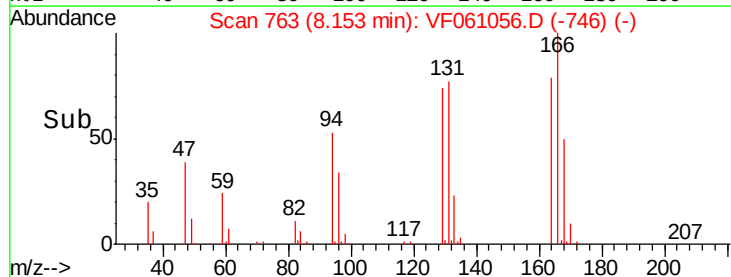
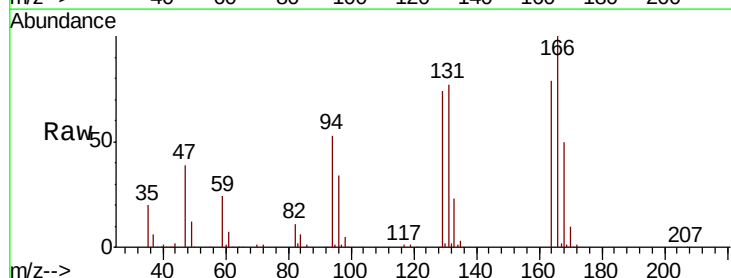
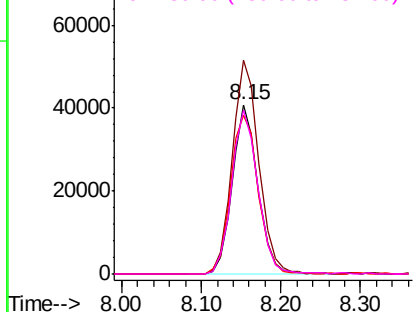
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

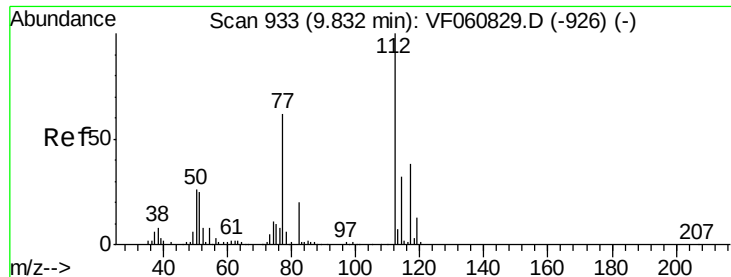


#64
Tetrachloroethene
Concen: 46.165 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion:164 Resp: 91373
Ion Ratio Lower Upper
164 100
166 126.2 100.3 150.5
129 93.9 77.9 116.9
131 97.0 77.5 116.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

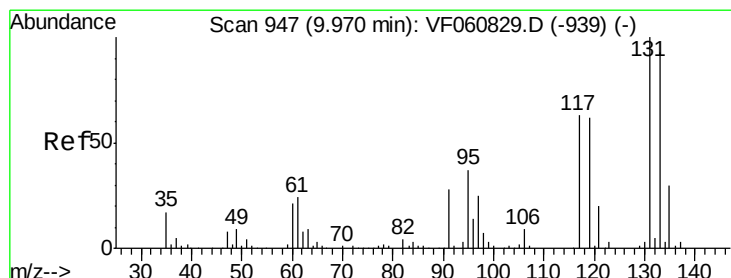
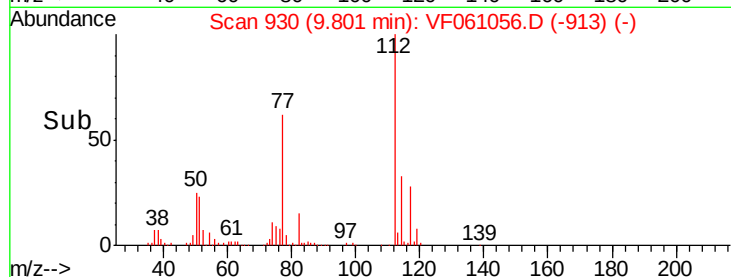
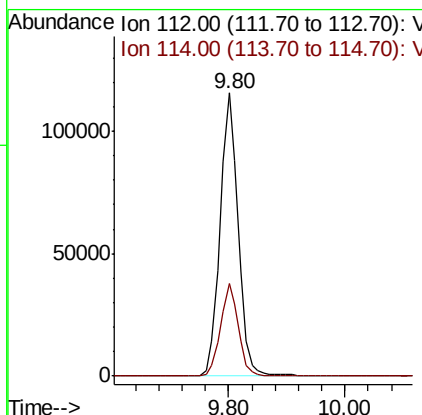
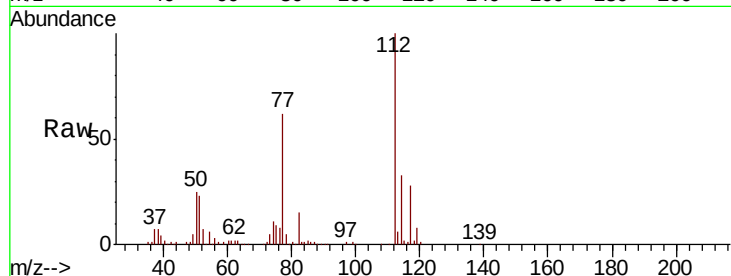




#65
Chlorobenzene
Concen: 49.579 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

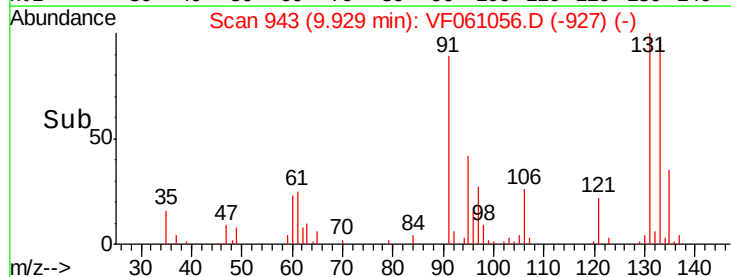
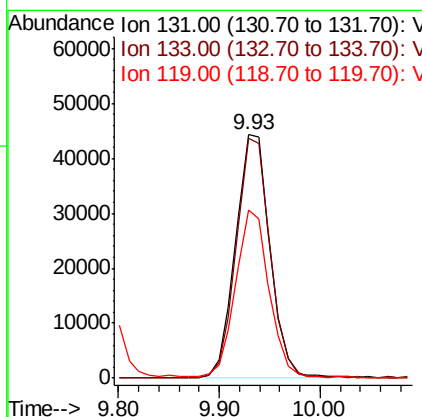
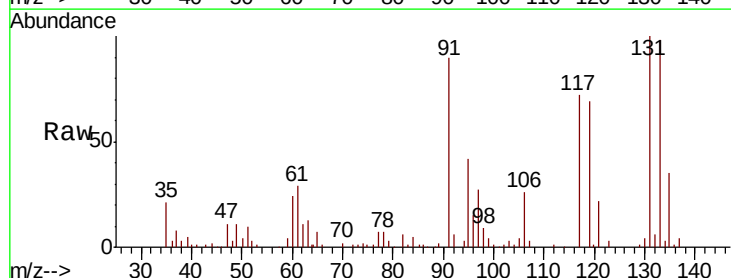
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

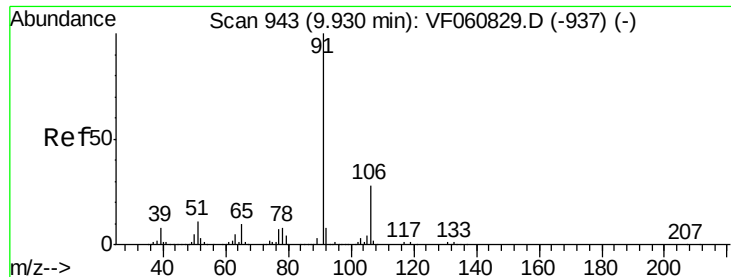
Tot Ion:112 Resp: 249934
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.617 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.04 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion:131 Resp: 105361
Ion Ratio Lower Upper
131 100
133 98.4 46.5 139.3
119 69.0 31.1 93.3





#67

Ethyl Benzene

Concen: 49.257 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

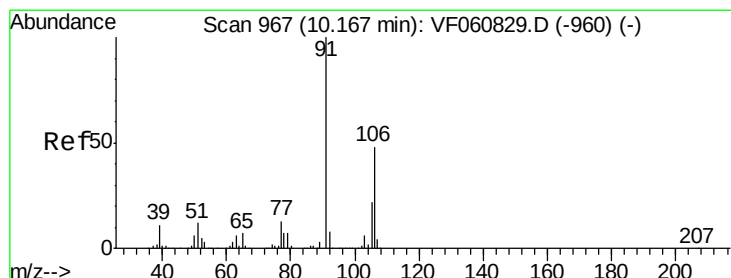
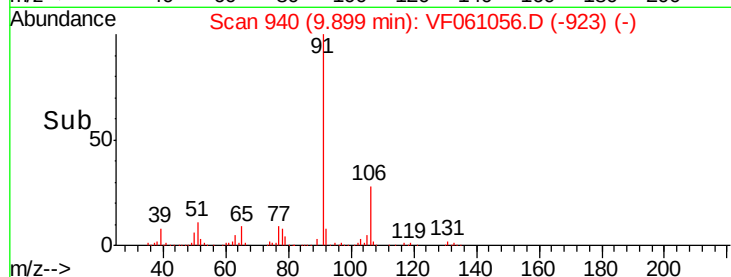
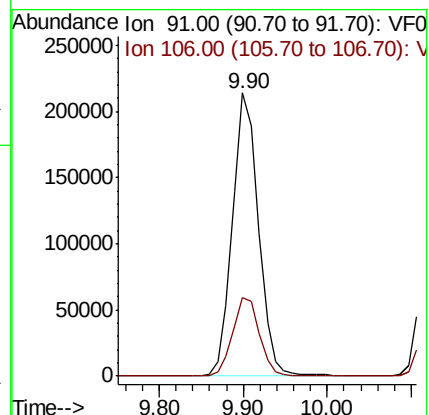
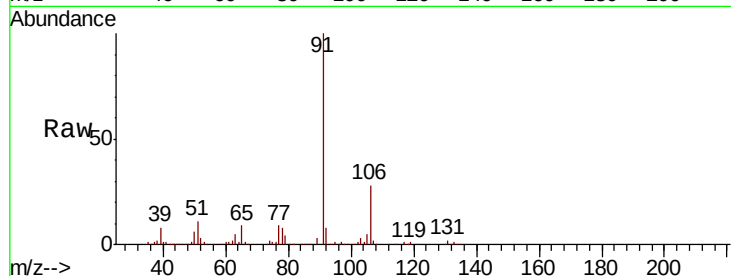
VSTDCCC050

Tot Ion: 91 Resp: 462279

Ion Ratio Lower Upper

91 100

106 28.0 22.2 33.2



#68

m/p-Xylenes

Concen: 97.722 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.03 min

Lab File: VF061056.D

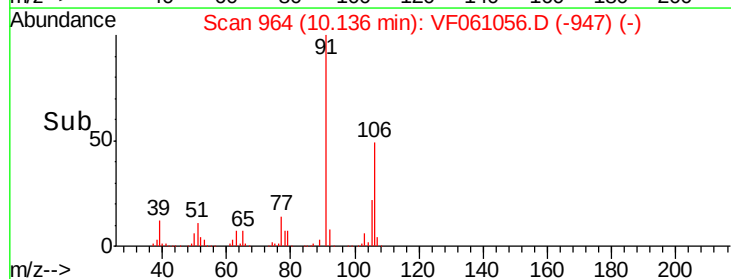
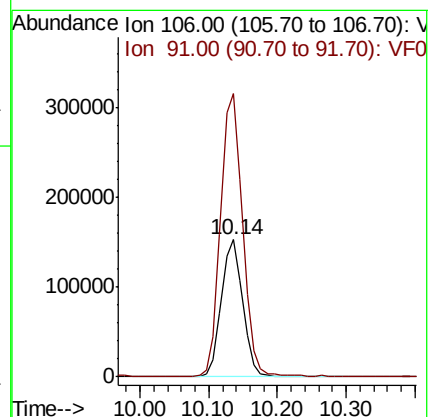
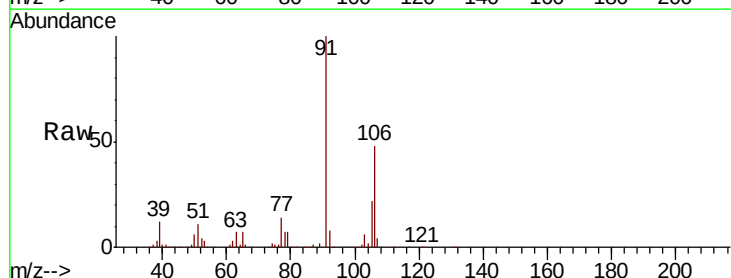
Acq: 18 Dec 2018 11:45

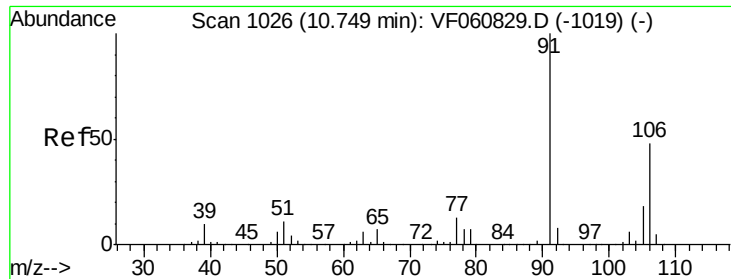
Tgt Ion: 106 Resp: 329854

Ion Ratio Lower Upper

106 100

91 206.4 166.7 250.1

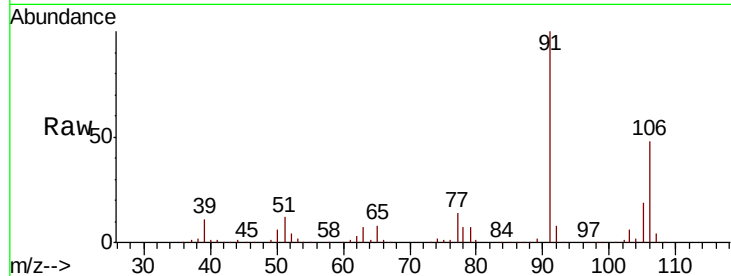




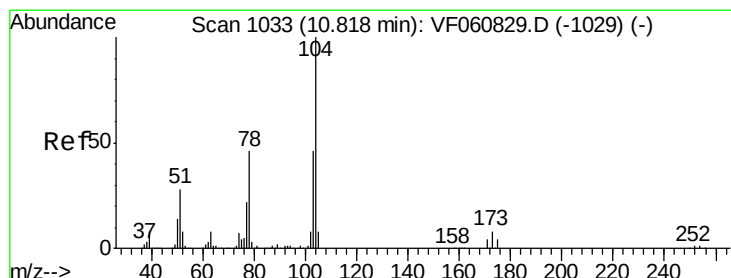
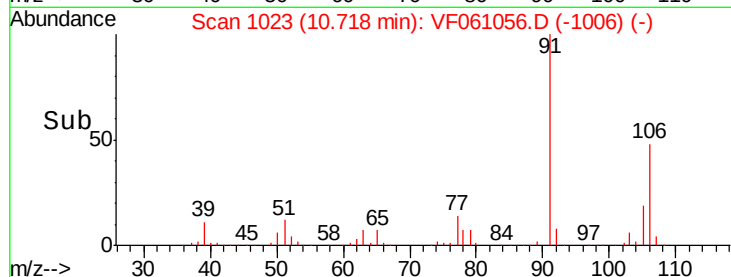
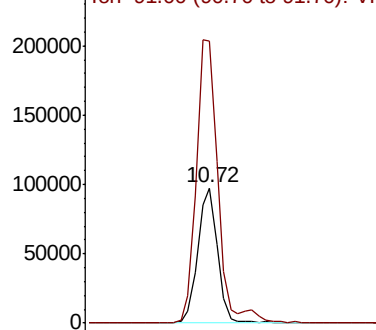
#69
o-Xylene
Concen: 50.086 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 186424
Ion Ratio Lower Upper
106 100
91 208.6 104.8 314.6

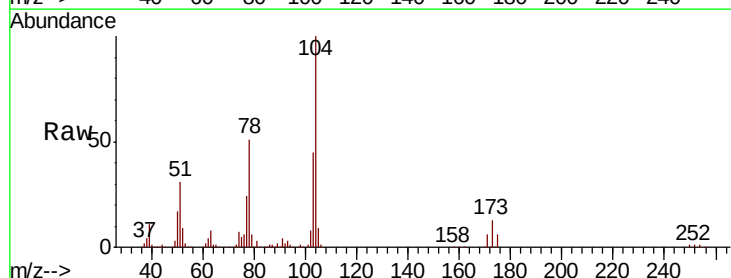


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

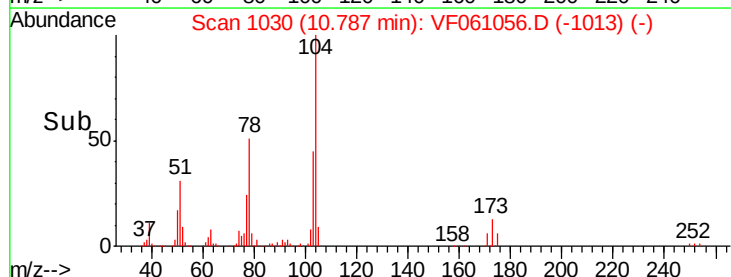
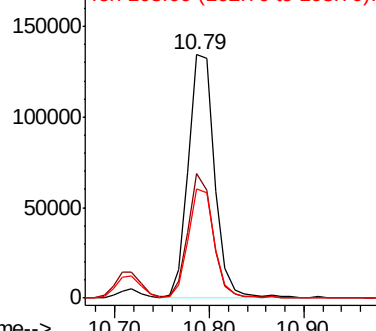


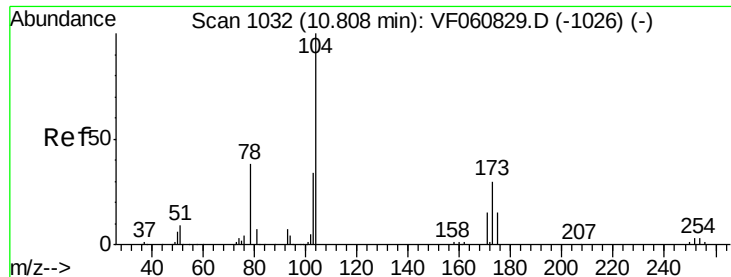
#70
Styrene
Concen: 50.398 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion:104 Resp: 260036
Ion Ratio Lower Upper
104 100
78 51.1 37.3 55.9
103 45.1 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.823 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

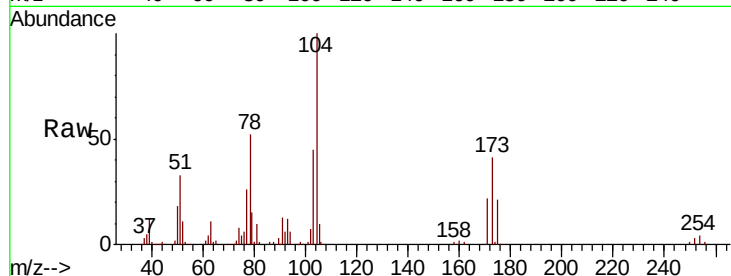
Tot Ion:173 Resp: 54249

Ion Ratio Lower Upper

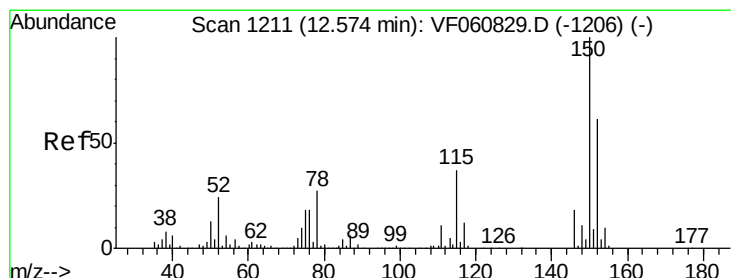
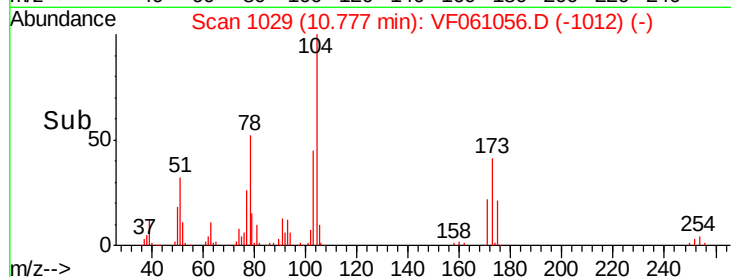
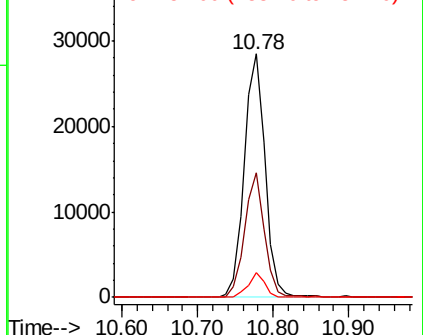
173 100

175 51.0 25.5 76.5

254 10.1 7.5 11.3



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: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

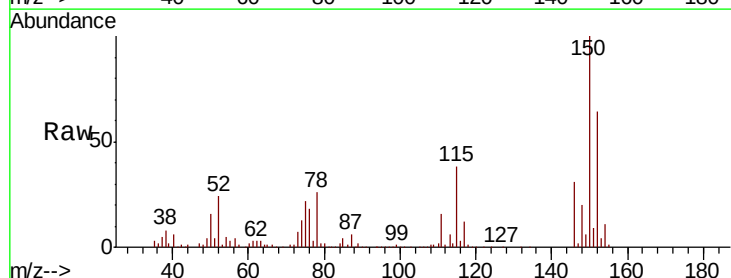
Tgt Ion:152 Resp: 136957

Ion Ratio Lower Upper

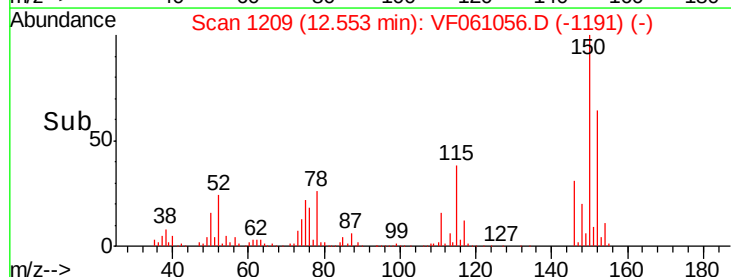
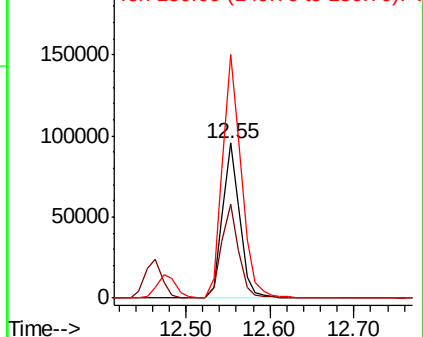
152 100

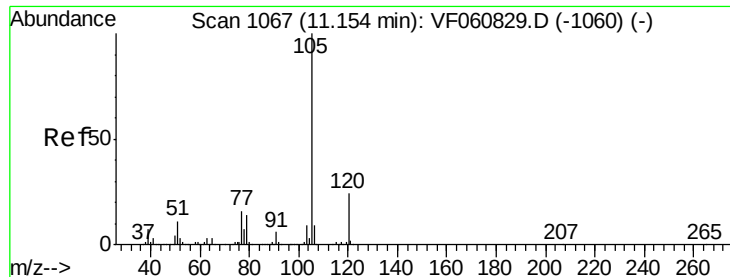
115 60.4 30.1 90.5

150 157.4 0.0 327.6



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: 52.195 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

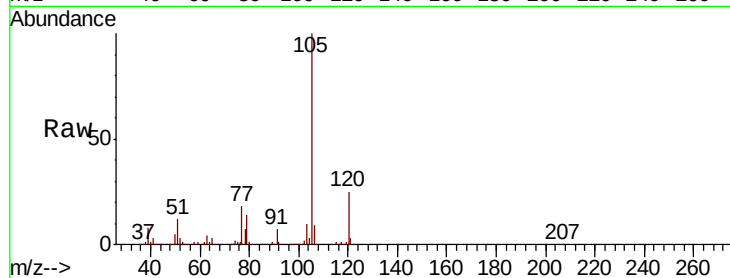
VSTDCCC050

Tot Ion:105 Resp: 564911

Ion Ratio Lower Upper

105 100

120 25.5 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

300000

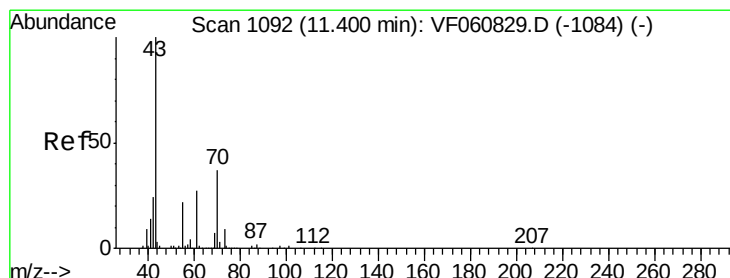
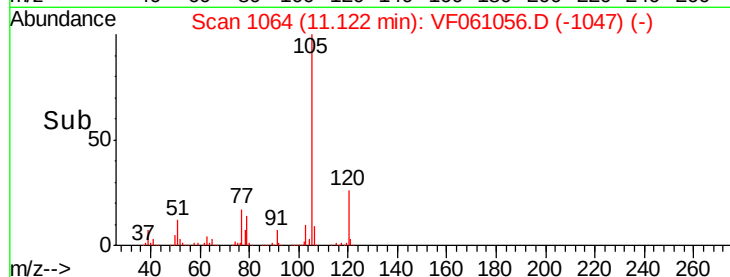
200000

100000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 53.666 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Tgt Ion: 43 Resp: 134122

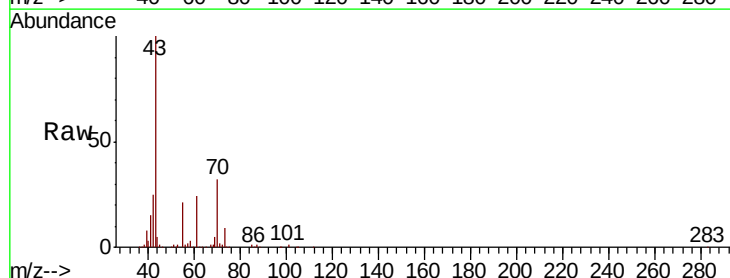
Ion Ratio Lower Upper

43 100

70 32.2 29.6 44.4

55 20.8 17.2 25.8

61 24.3 21.8 32.6



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

120000

100000

80000

60000

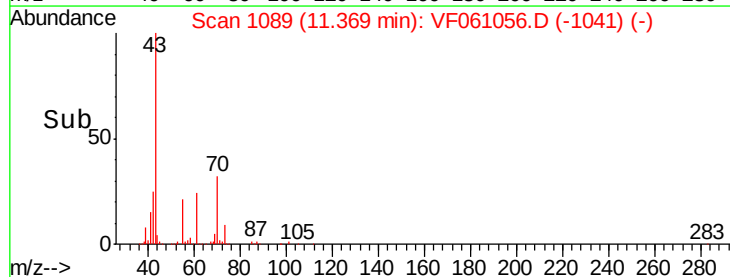
40000

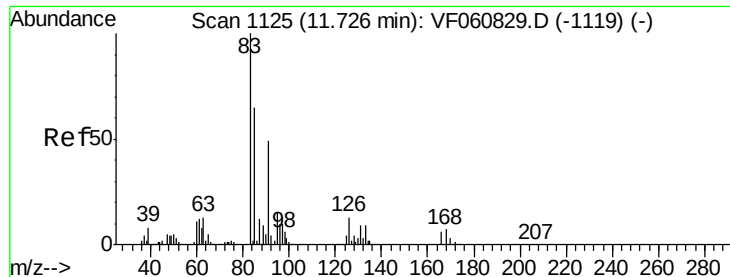
20000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 55.056 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

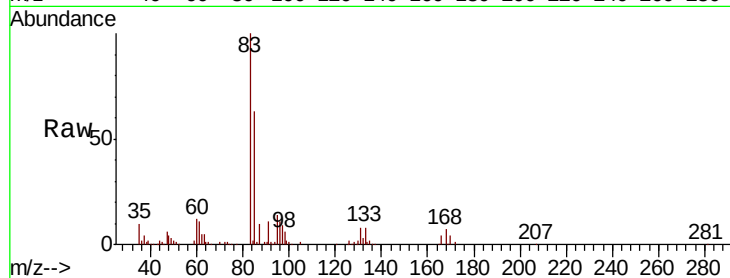
Tot Ion: 83 Resp: 98068

Ion Ratio Lower Upper

83 100

131 8.5 4.7 14.1

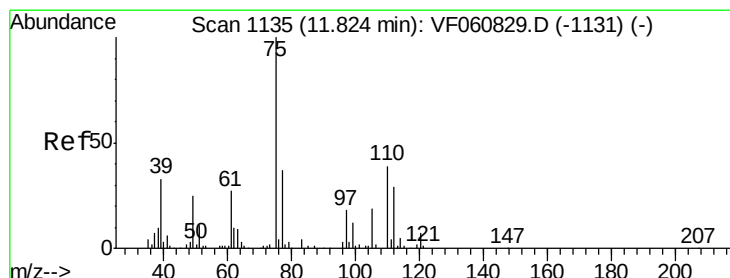
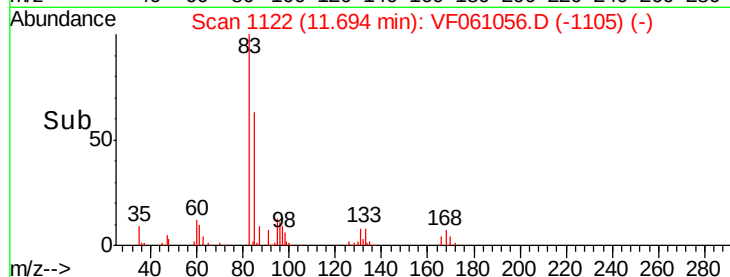
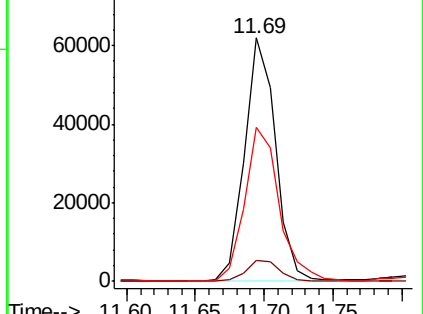
85 63.2 32.6 97.8



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: 53.510 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VF061056.D

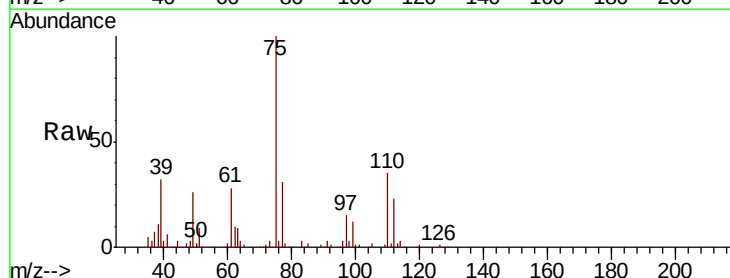
Acq: 18 Dec 2018 11:45

Tgt Ion: 75 Resp: 69281

Ion Ratio Lower Upper

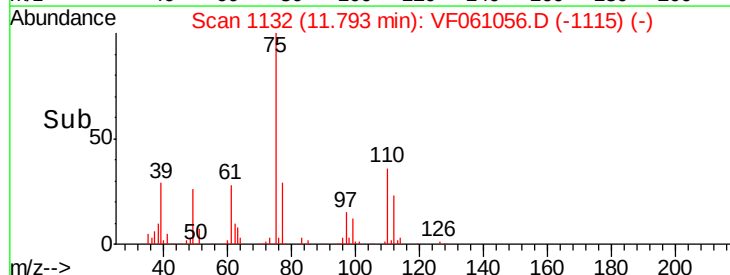
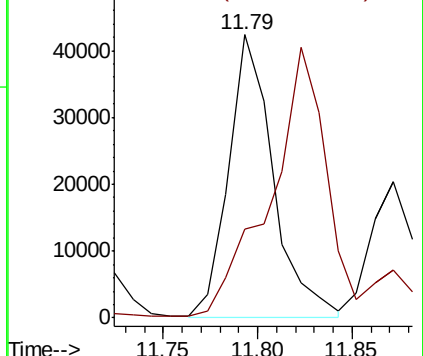
75 100

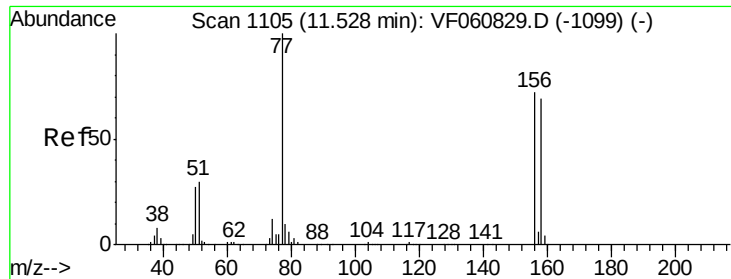
77 31.3 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.978 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

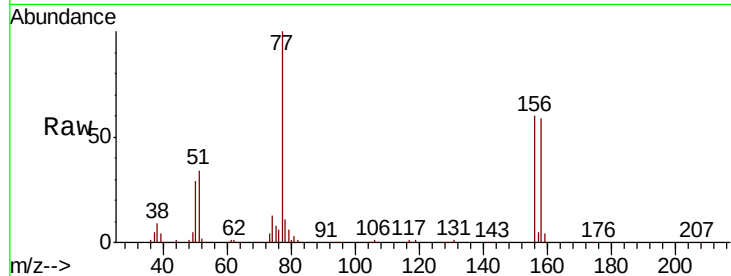
Tot Ion:156 Resp: 118590

Ion Ratio Lower Upper

156 100

77 166.7 69.7 209.0

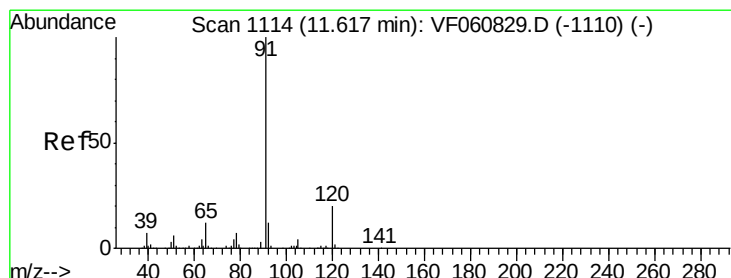
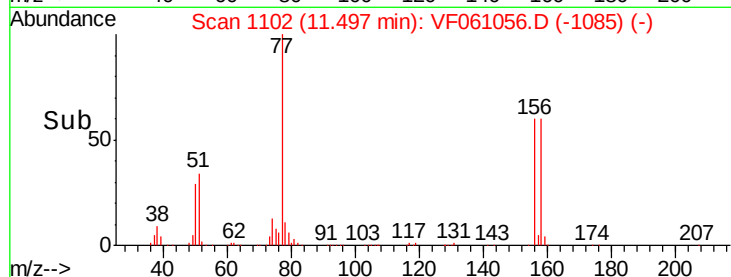
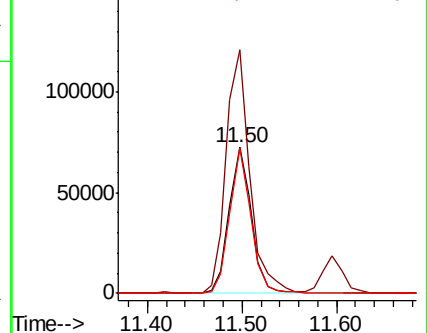
158 99.1 47.8 143.4



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: 50.472 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF061056.D

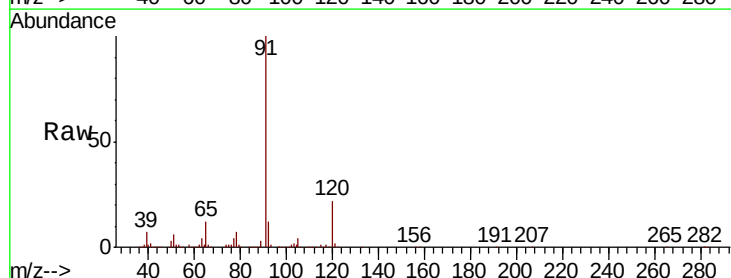
Acq: 18 Dec 2018 11:45

Tgt Ion: 91 Resp: 639716

Ion Ratio Lower Upper

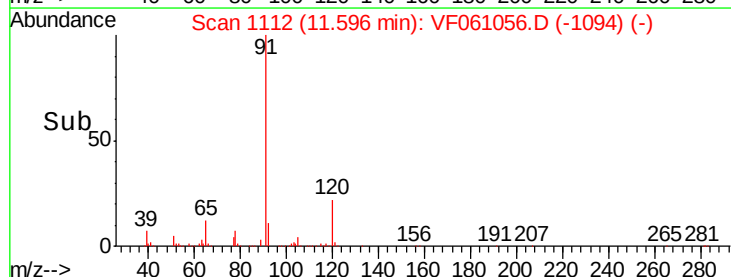
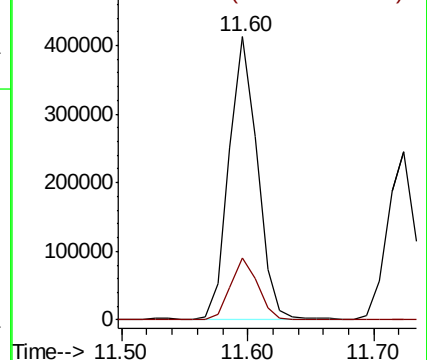
91 100

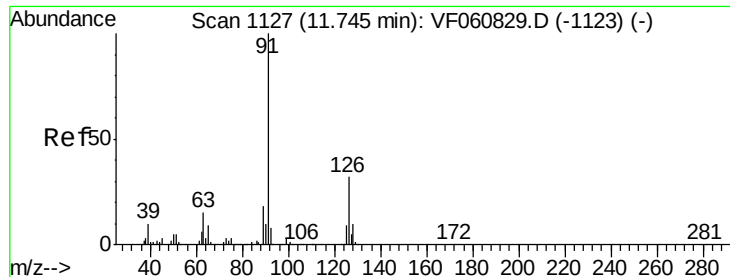
120 21.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

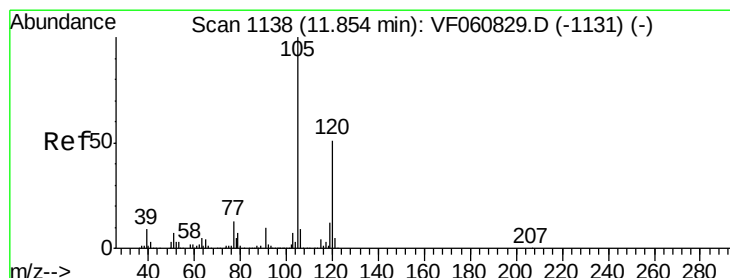
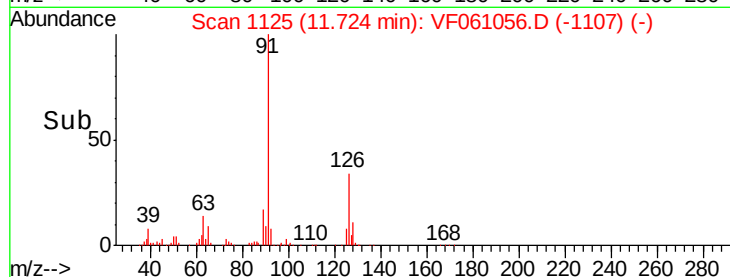
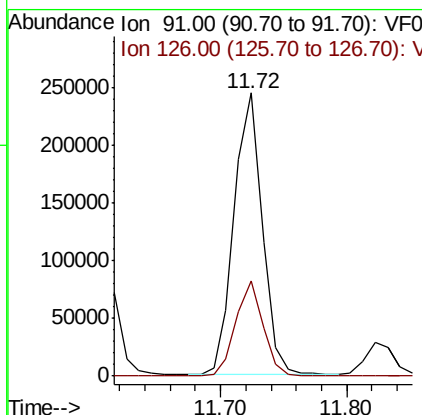
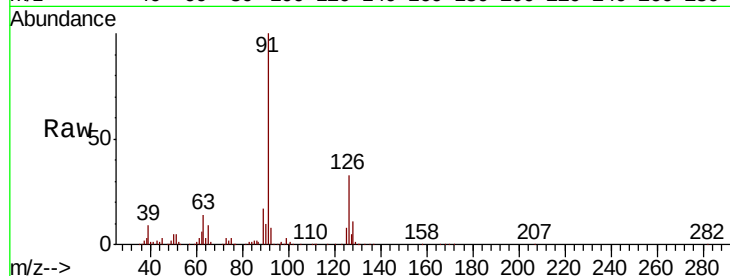




#79
 2-Chlorotoluene
 Concen: 51.842 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

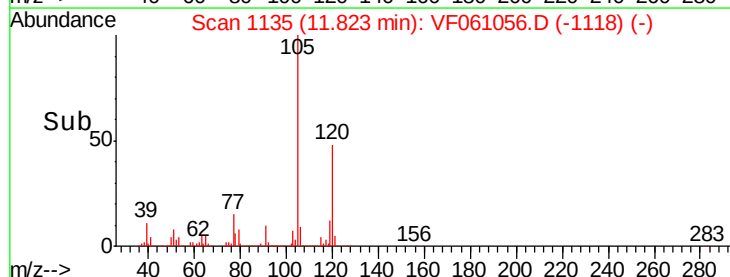
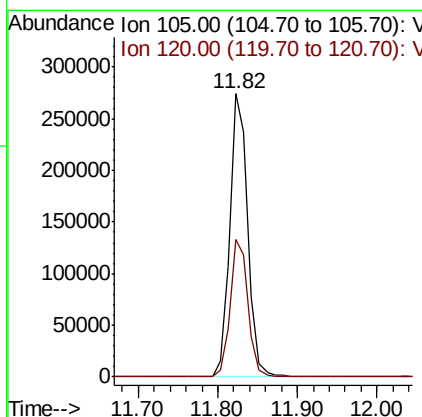
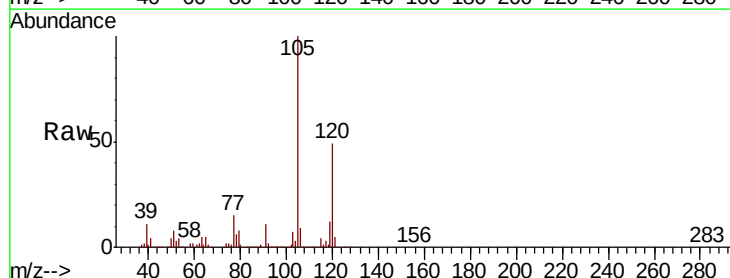
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

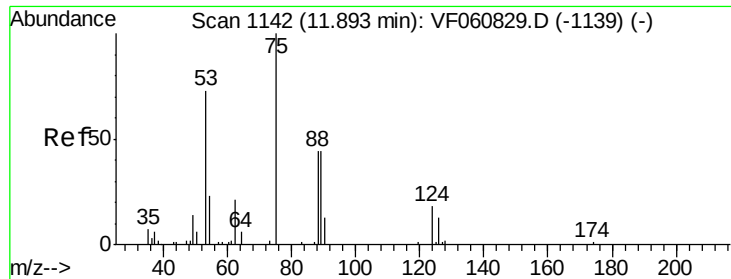
Tot Ion: 91 Resp: 376765
 Ion Ratio Lower Upper
 91 100
 126 33.5 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 49.365 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion: 105 Resp: 433738
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 70.330 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF061056.D

Acq: 18 Dec 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

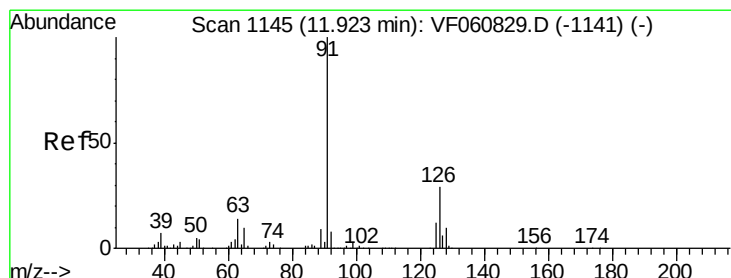
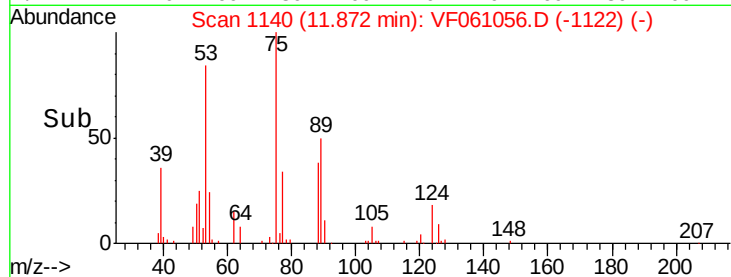
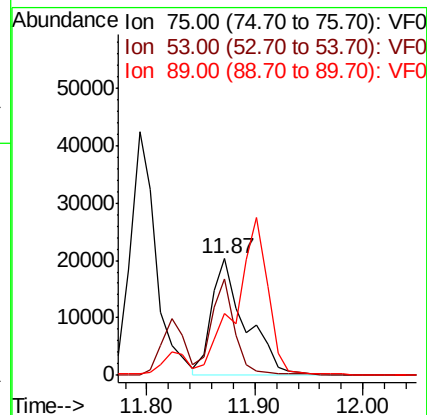
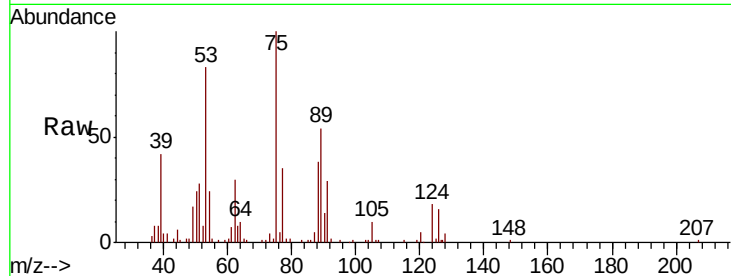
Tot Ion: 75 Resp: 44615

Ion Ratio Lower Upper

75 100

53 82.9 65.9 98.9

89 53.6 38.8 58.2



#82

4-Chlorotoluene

Concen: 49.674 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF061056.D

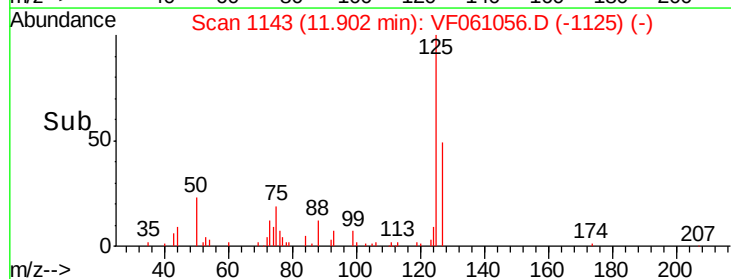
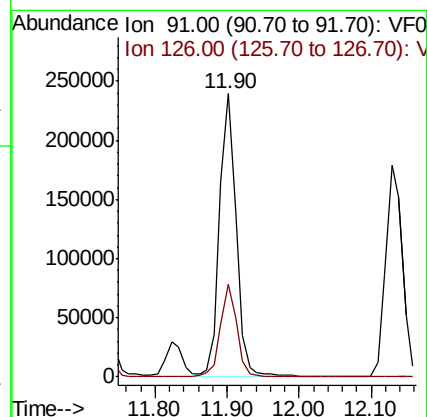
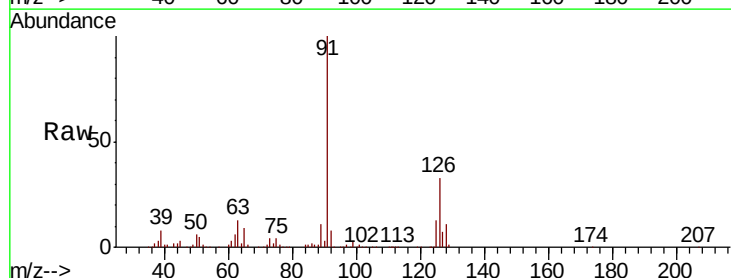
Acq: 18 Dec 2018 11:45

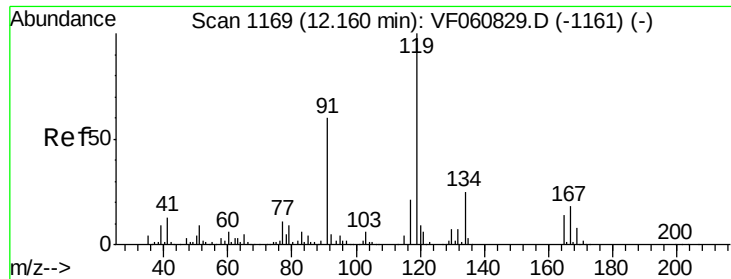
Tgt Ion: 91 Resp: 379914

Ion Ratio Lower Upper

91 100

126 32.6 14.8 44.4

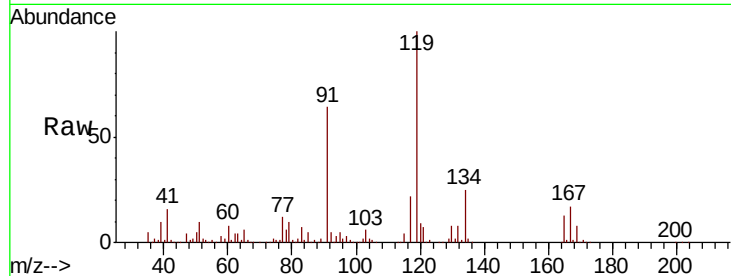




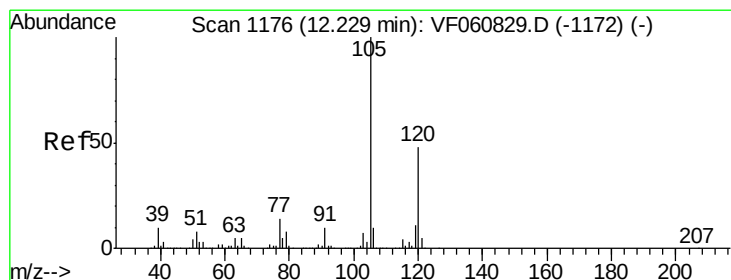
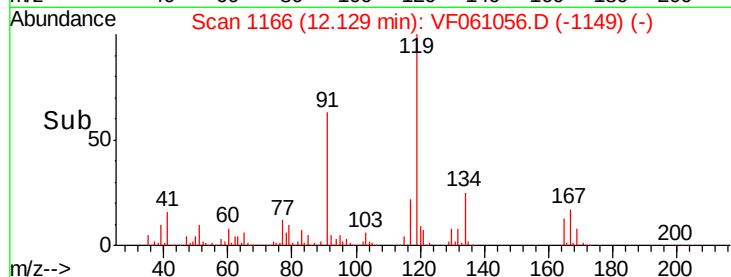
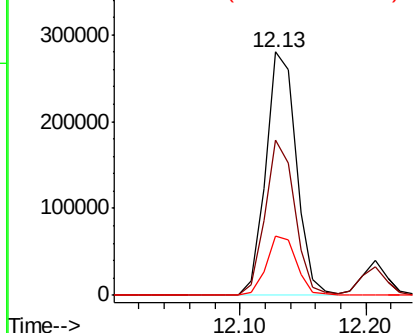
#83
 tert-Butylbenzene
 Concen: 52.799 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 472553
 Ion Ratio Lower Upper
 119 100
 91 63.8 30.1 90.3
 134 24.6 12.6 37.8

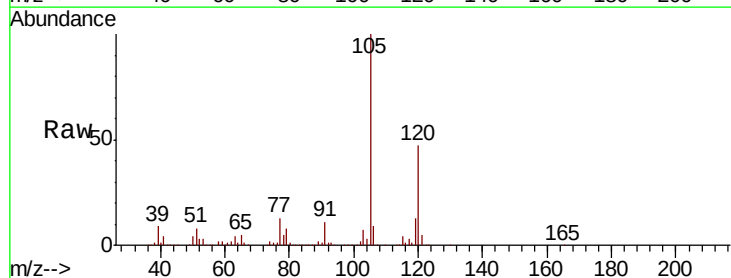


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

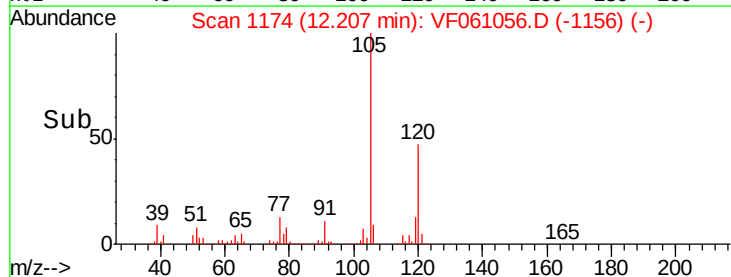
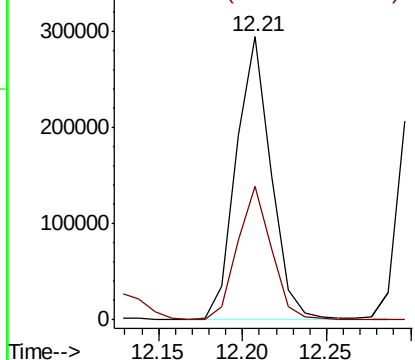


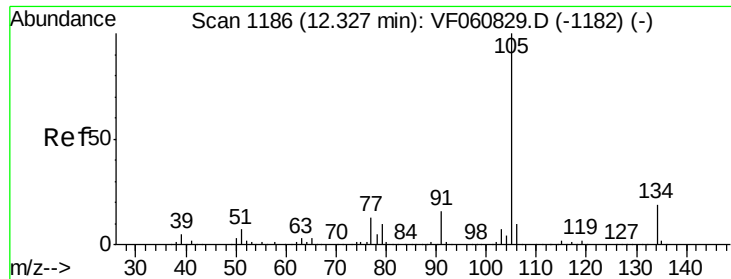
#84
 1,2,4-Trimethylbenzene
 Concen: 48.287 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion:105 Resp: 423431
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.8 71.5



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

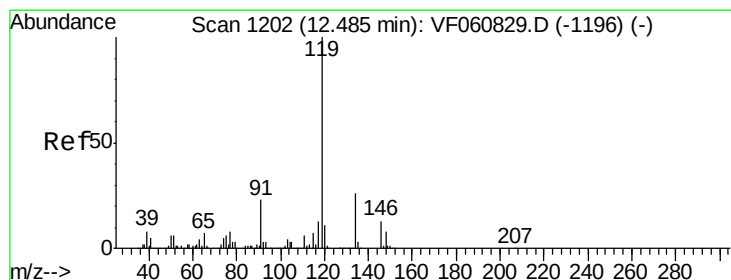
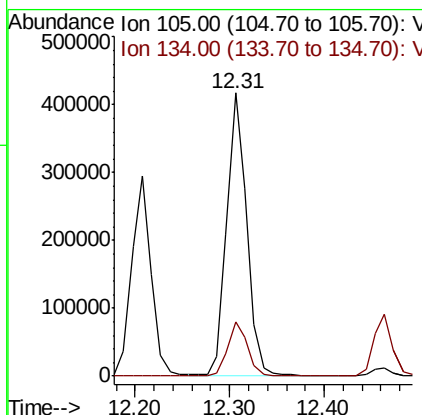
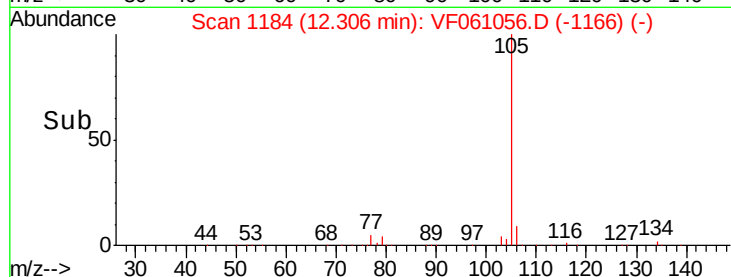
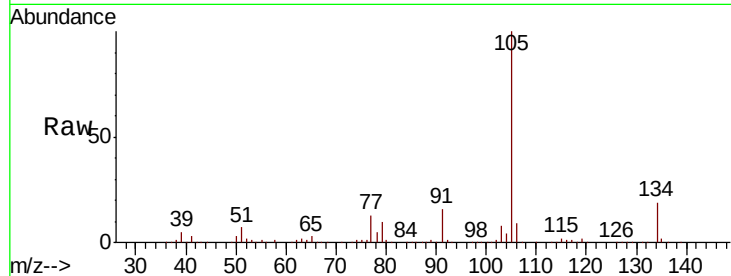




#85
 sec-Butylbenzene
 Concen: 49.783 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

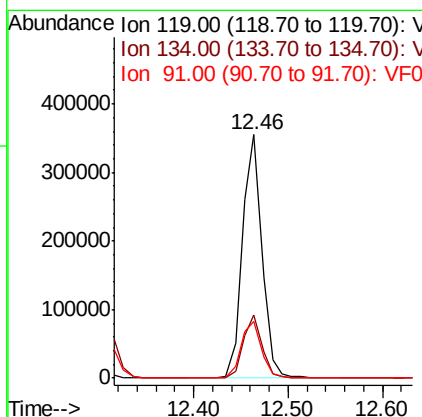
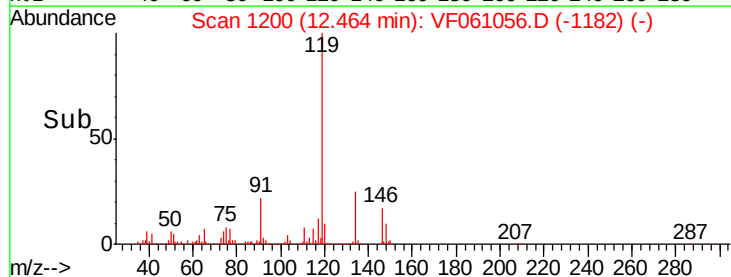
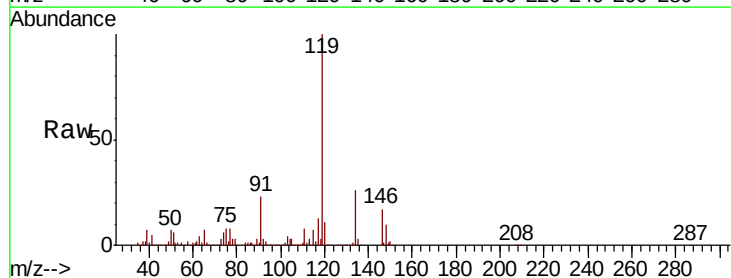
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

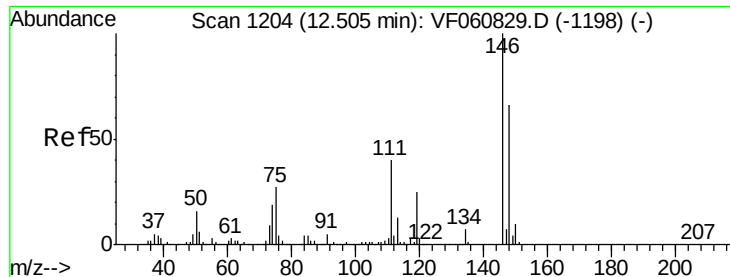
Tot Ion:105 Resp: 609943
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 49.314 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion:119 Resp: 506559
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.6
 91 23.4 11.8 35.3

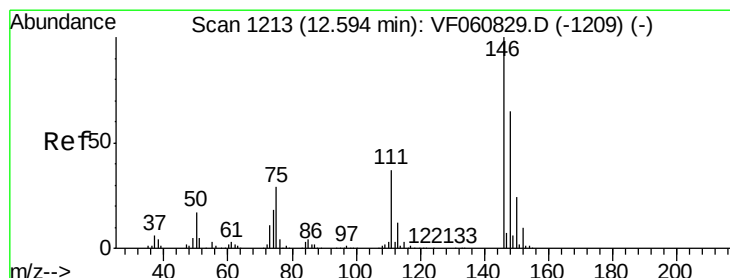
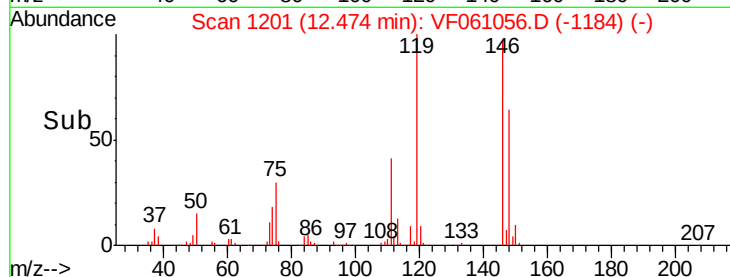
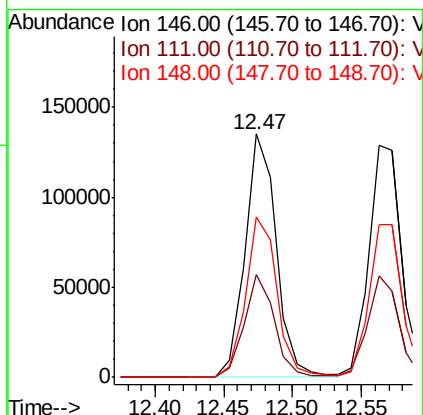
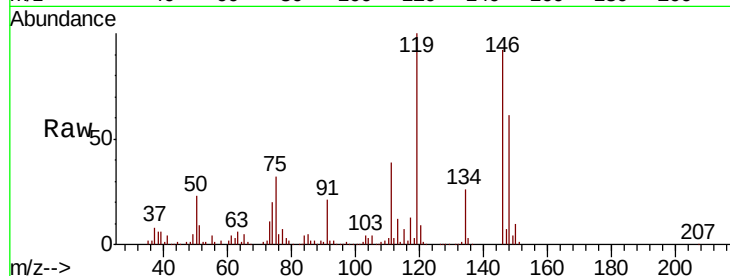




#87
 1,3-Dichlorobenzene
 Concen: 47.607 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

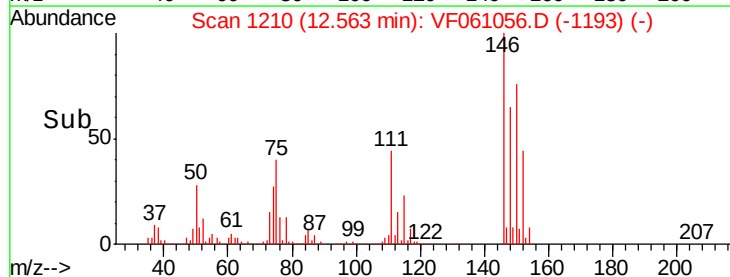
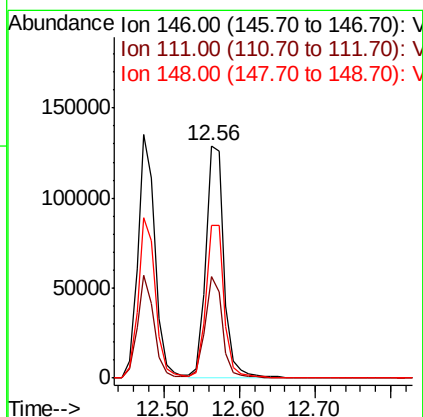
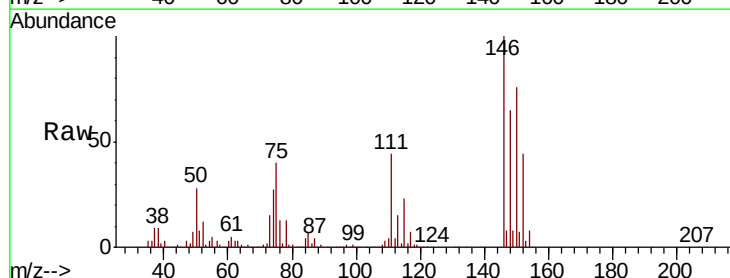
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

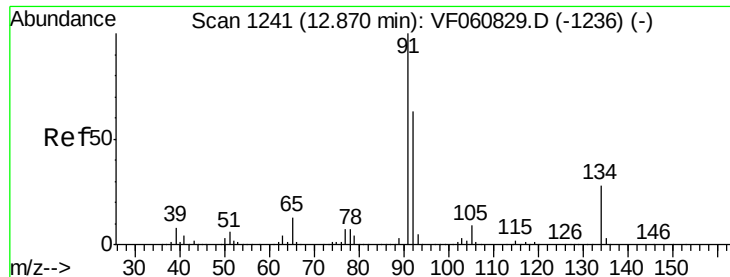
Tot Ion:146 Resp: 214874
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.0 59.9
 148 66.1 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 49.441 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion:146 Resp: 217470
 Ion Ratio Lower Upper
 146 100
 111 43.7 18.9 56.7
 148 65.5 32.3 96.9

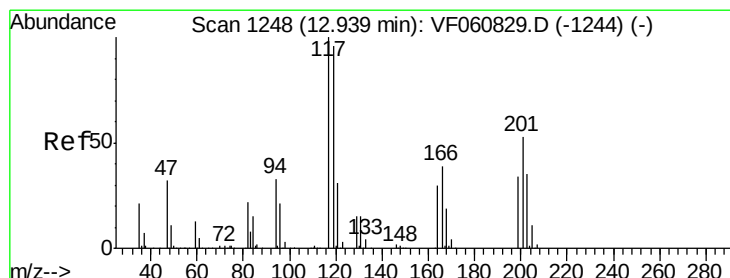
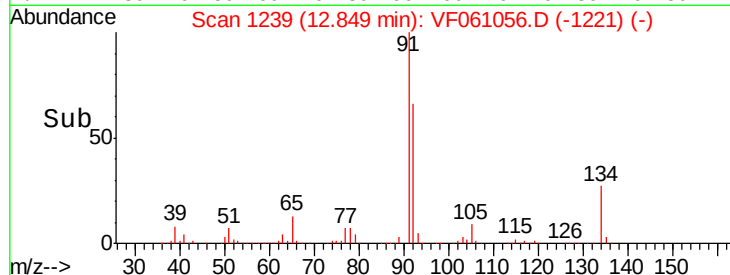
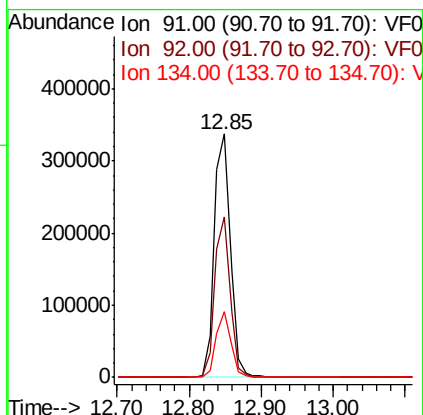
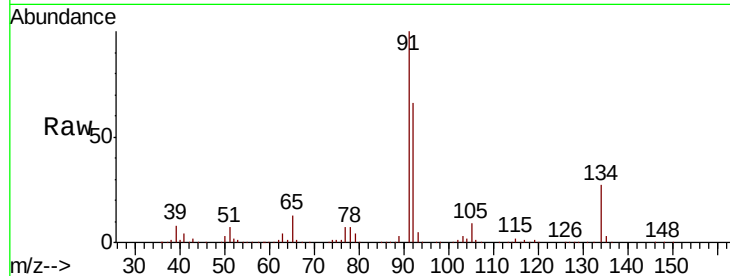




#89
n-Butylbenzene
Concen: 49.657 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

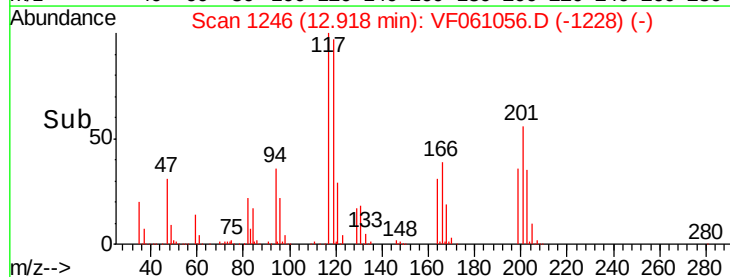
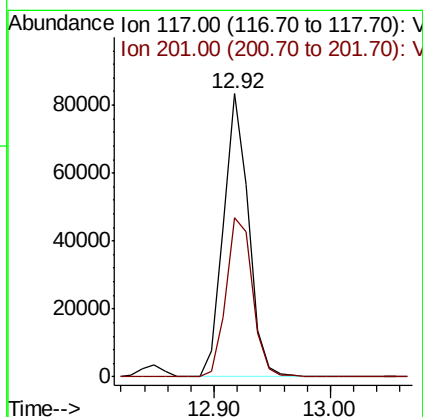
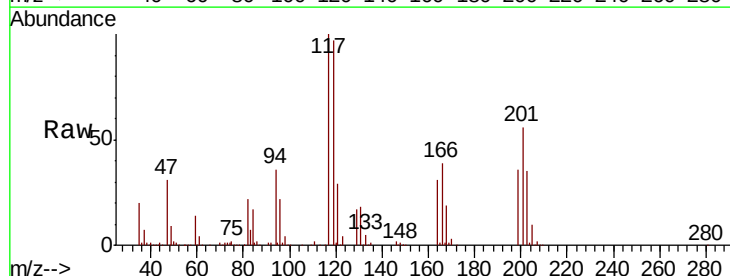
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

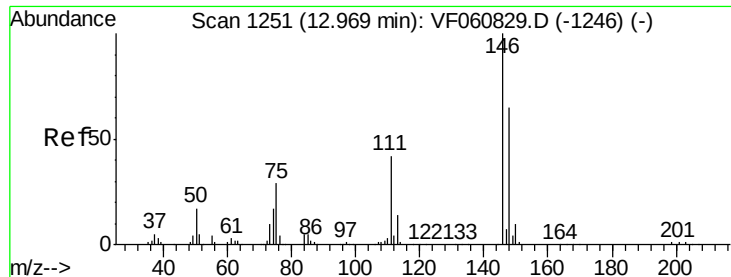
Tot Ion: 91 Resp: 515770
Ion Ratio Lower Upper
91 100
92 65.9 31.6 94.7
134 27.1 13.8 41.4



#90
Hexachloroethane
Concen: 50.063 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion: 117 Resp: 123832
Ion Ratio Lower Upper
117 100
201 56.3 26.7 80.1

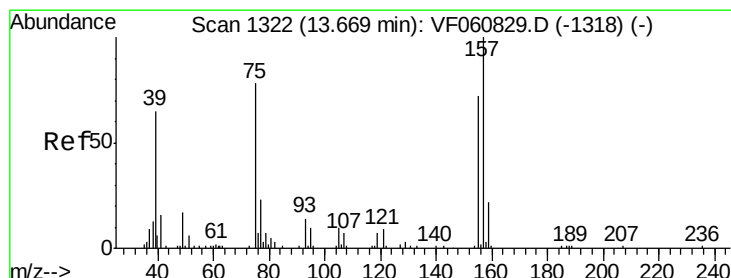
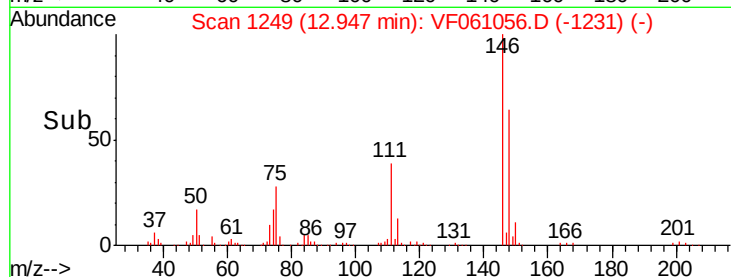
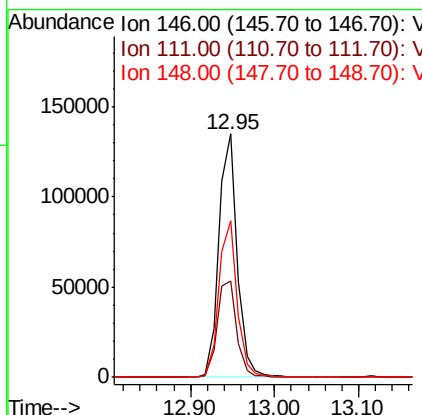
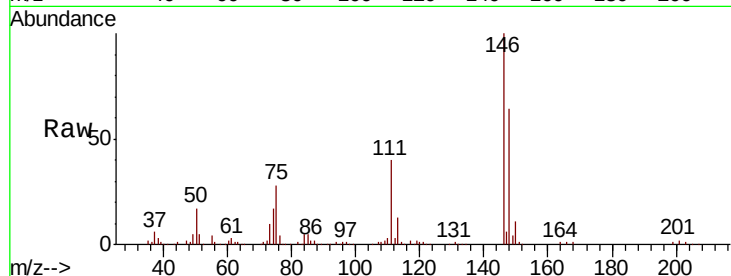




#91
 1,2-Dichlorobenzene
 Concen: 47.933 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

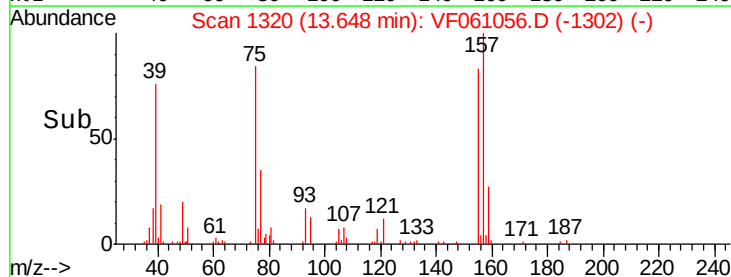
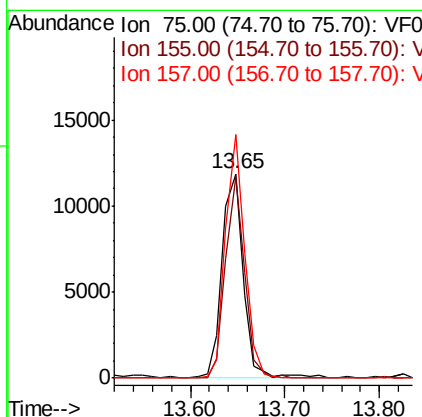
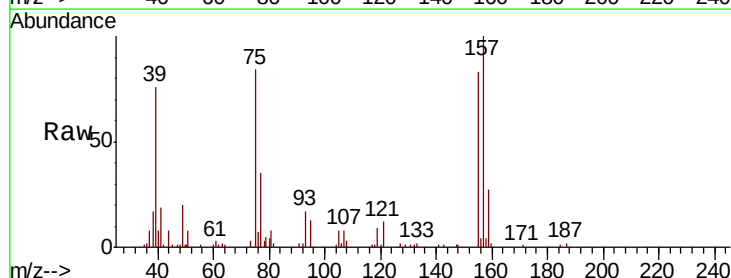
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

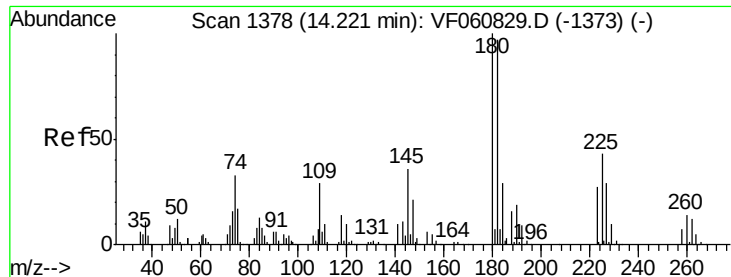
Tot Ion:146 Resp: 204878
 Ion Ratio Lower Upper
 146 100
 111 39.6 21.2 63.6
 148 64.3 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.149 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion: 75 Resp: 18648
 Ion Ratio Lower Upper
 75 100
 155 98.4 45.6 136.9
 157 119.2 63.8 191.5

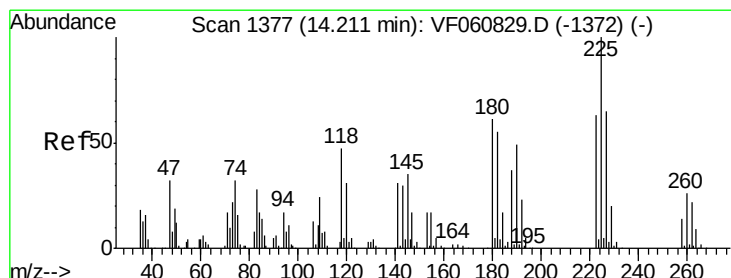
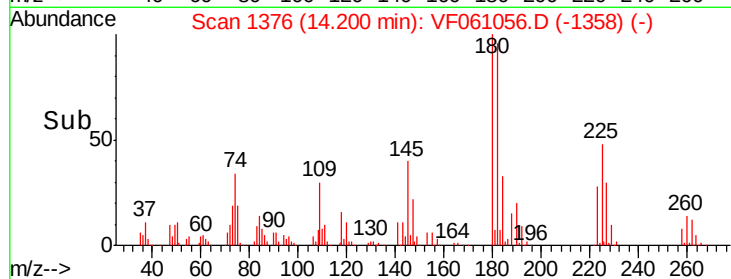
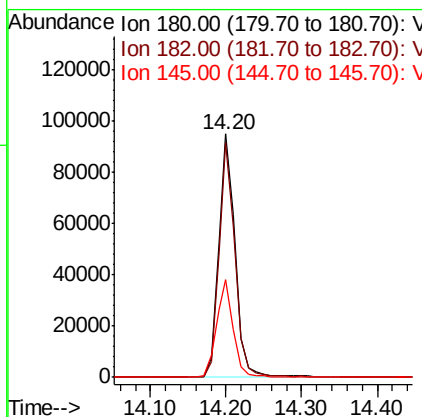
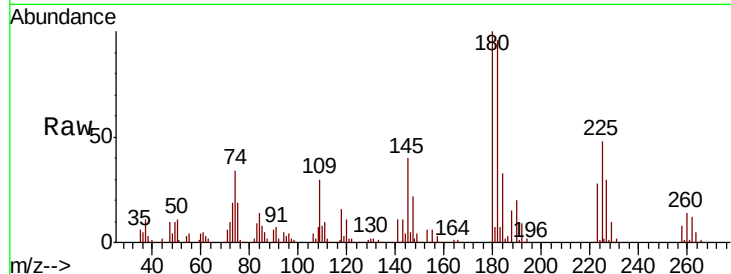




#93
 1,2,4-Trichlorobenzene
 Concen: 48.677 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

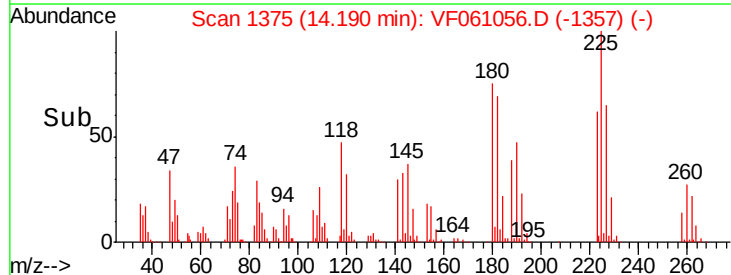
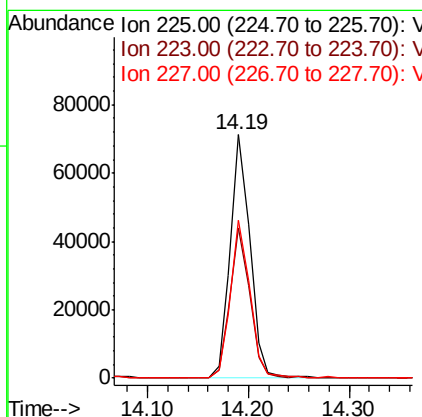
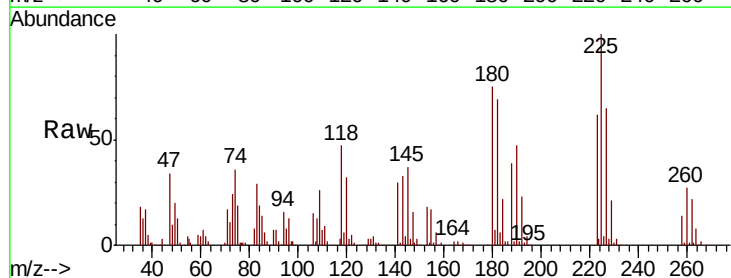
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

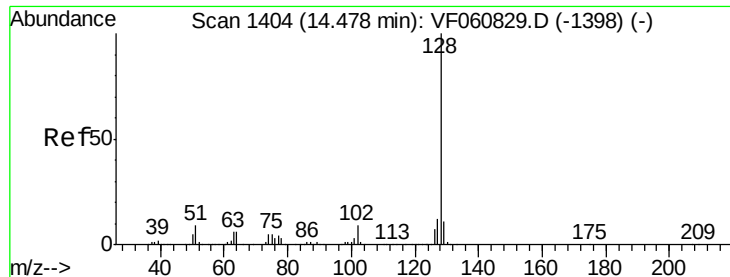
Tot Ion:180 Resp: 145374
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.5 145.5
 145 39.9 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 48.856 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061056.D
 Acq: 18 Dec 2018 11:45

Tgt Ion:225 Resp: 97267
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.3
 227 64.7 32.5 97.5

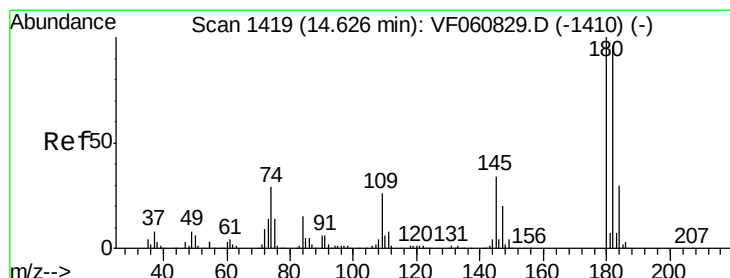
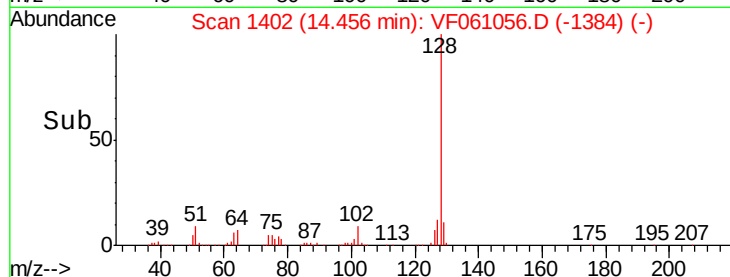
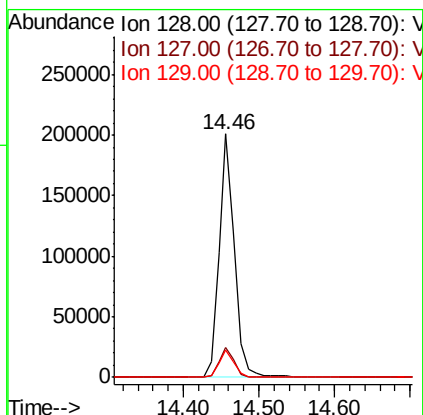
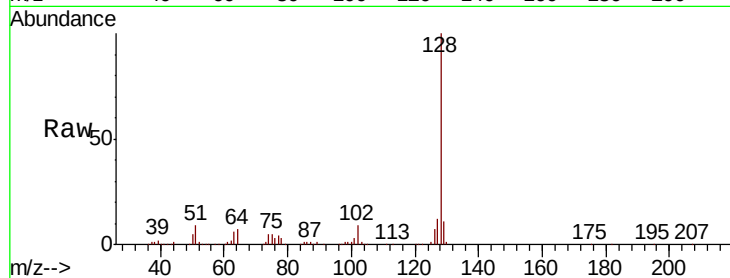




#95
Naphthalene
Concen: 49.757 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 288520
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 11.0 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 51.795 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF061056.D
Acq: 18 Dec 2018 11:45

Tgt Ion:180 Resp: 143628
Ion Ratio Lower Upper
180 100
182 97.0 47.9 143.8
145 35.3 17.2 51.5

