

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061438.D
 Acq On : 17 Jan 2019 12:05
 Operator : VA/AP
 Sample : VF0117SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Quant Time: Jan 18 03:16:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	195998	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	362916	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	331155	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	161651	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	121680	50.28	ug/l	-0.02
Spiked Amount 50.000			Recovery =	100.56%		
35) Dibromofluoromethane	4.08	113	143548	50.13	ug/l	-0.02
Spiked Amount 50.000			Recovery =	100.26%		
50) Toluene-d8	7.53	98	408403	52.05	ug/l	-0.02
Spiked Amount 50.000			Recovery =	104.10%		
62) 4-Bromofluorobenzene	11.39	95	182734	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.70%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	71407	18.542	ug/l	90
3) Chloromethane	1.10	50	55021	19.485	ug/l	95
4) Vinyl Chloride	1.13	62	49895	19.864	ug/l	98
5) Bromomethane	1.30	94	31352	19.141	ug/l #	75
6) Chloroethane	1.38	64	22629	20.331	ug/l	93
7) Trichlorofluoromethane	1.48	101	59922	12.271	ug/l	90
8) Diethyl Ether	1.62	74	13311	21.274	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45993	19.602	ug/l	91
10) Methyl Iodide	1.89	142	53838	14.801	ug/l	94
11) Tert butyl alcohol	2.56	59	11087	108.242	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	35797	20.535	ug/l	90
13) Acrolein	1.98	56	7392	90.658	ug/l	88
14) Allyl chloride	2.08	41	53617	26.814	ug/l	89
15) Acrylonitrile	2.92	53	28108	107.132	ug/l	97
16) Acetone	2.22	43	61805	127.315	ug/l	100
17) Carbon Disulfide	1.82	76	78930	14.521	ug/l	99
18) Methyl Acetate	2.33	43	20787	21.592	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	76767	19.645	ug/l	96
20) Methylene Chloride	2.24	84	20779	11.248	ug/l	93
21) trans-1,2-Dichloroethene	2.29	96	38594	20.123	ug/l	89
22) Diisopropyl ether	2.78	45	129598	20.891	ug/l	95
23) Vinyl Acetate	3.17	43	342907	127.260	ug/l	99
24) 1,1-Dichloroethane	2.85	63	77140	19.813	ug/l	98
25) 2-Butanone	4.30	43	101478	125.703	ug/l	98
26) 2,2-Dichloropropane	3.57	77	45944	19.207	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	61530	21.733	ug/l	97
28) Bromochloromethane	3.70	49	41575	23.755	ug/l #	95
29) Tetrahydrofuran	4.05	42	38189	109.862	ug/l	99
30) Chloroform	3.84	83	113124	21.529	ug/l	98
31) Cyclohexane	3.67	56	56788	14.601	ug/l	94
32) 1,1,1-Trichloroethane	4.07	97	69191	17.959	ug/l	95
36) 1,1-Dichloropropene	4.25	75	83852	19.928	ug/l	99
37) Ethyl Acetate	4.07	43	33266	19.778	ug/l #	99
38) Carbon Tetrachloride	3.97	117	65603	17.833	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061438.D
 Acq On : 17 Jan 2019 12:05
 Operator : VA/AP
 Sample : VF0117SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Quant Time: Jan 18 03:16:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87734	19.240	ug/l	98
40) Benzene	4.61	78	199162	21.271	ug/l	96
41) Methacrylonitrile	4.73	41	17674	19.747	ug/l	94
42) 1,2-Dichloroethane	4.91	62	59619	17.869	ug/l	100
43) Isopropyl Acetate	6.94	43	42529	20.146	ug/l #	95
44) Trichloroethene	5.48	130	62852	21.882	ug/l	98
45) 1,2-Dichloropropane	6.22	63	53071	21.596	ug/l	98
46) Dibromomethane	6.07	93	33186	20.310	ug/l	94
47) Bromodichloromethane	6.36	83	81752	20.221	ug/l	99
48) Methyl methacrylate	6.69	41	29180	20.585	ug/l	92
49) 1,4-Dioxane	6.69	88	4288	391.076	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	172605	111.218	ug/l	99
52) Toluene	7.61	92	118975	19.295	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	67259	20.951	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	87998	21.930	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	35593	20.328	ug/l	99
56) Ethyl methacrylate	8.60	69	41005	20.129	ug/l	97
57) 1,3-Dichloropropane	8.83	76	68303	20.812	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.27	63	28037	144.320	ug/l #	89
59) 2-Hexanone	9.47	43	132545	122.477	ug/l	94
60) Dibromochloromethane	8.69	129	49234	19.233	ug/l	94
61) 1,2-Dibromoethane	8.97	107	39378	19.645	ug/l	89
64) Tetrachloroethene	8.13	164	49461	19.861	ug/l	97
65) Chlorobenzene	9.78	112	142017	21.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	54192	20.201	ug/l	97
67) Ethyl Benzene	9.88	91	253813	20.629	ug/l	100
68) m/p-Xylenes	10.11	106	180856	40.869	ug/l	98
69) o-Xylene	10.69	106	99825	20.813	ug/l	91
70) Styrene	10.77	104	138672	21.122	ug/l	97
71) Bromoform	10.75	173	24801	20.576	ug/l #	97
73) Isopropylbenzene	11.11	105	302539	23.011	ug/l	98
74) N-amyl acetate	11.35	43	76967	24.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	52919	22.594	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	36979	21.973	ug/l	88
77) Bromobenzene	11.48	156	60238	21.695	ug/l	95
78) n-propylbenzene	11.58	91	347752	20.311	ug/l	99
79) 2-Chlorotoluene	11.70	91	197542	21.655	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	241368	22.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	22661	30.975	ug/l #	87
82) 4-Chlorotoluene	11.88	91	205422	22.316	ug/l	92
83) tert-Butylbenzene	12.11	119	238502	21.718	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	244792	22.398	ug/l	99
85) sec-Butylbenzene	12.29	105	333370	22.354	ug/l	96
86) p-Isopropyltoluene	12.45	119	271160	22.149	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	116556	19.978	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	116067	22.121	ug/l	99
89) n-Butylbenzene	12.82	91	281677	22.310	ug/l	97
90) Hexachloroethane	12.90	117	62250	21.571	ug/l	98
91) 1,2-Dichlorobenzene	12.92	146	107785	20.751	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8687	20.911	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061438.D
Acq On : 17 Jan 2019 12:05
Operator : VA/AP
Sample : VF0117SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Quant Time: Jan 18 03:16:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

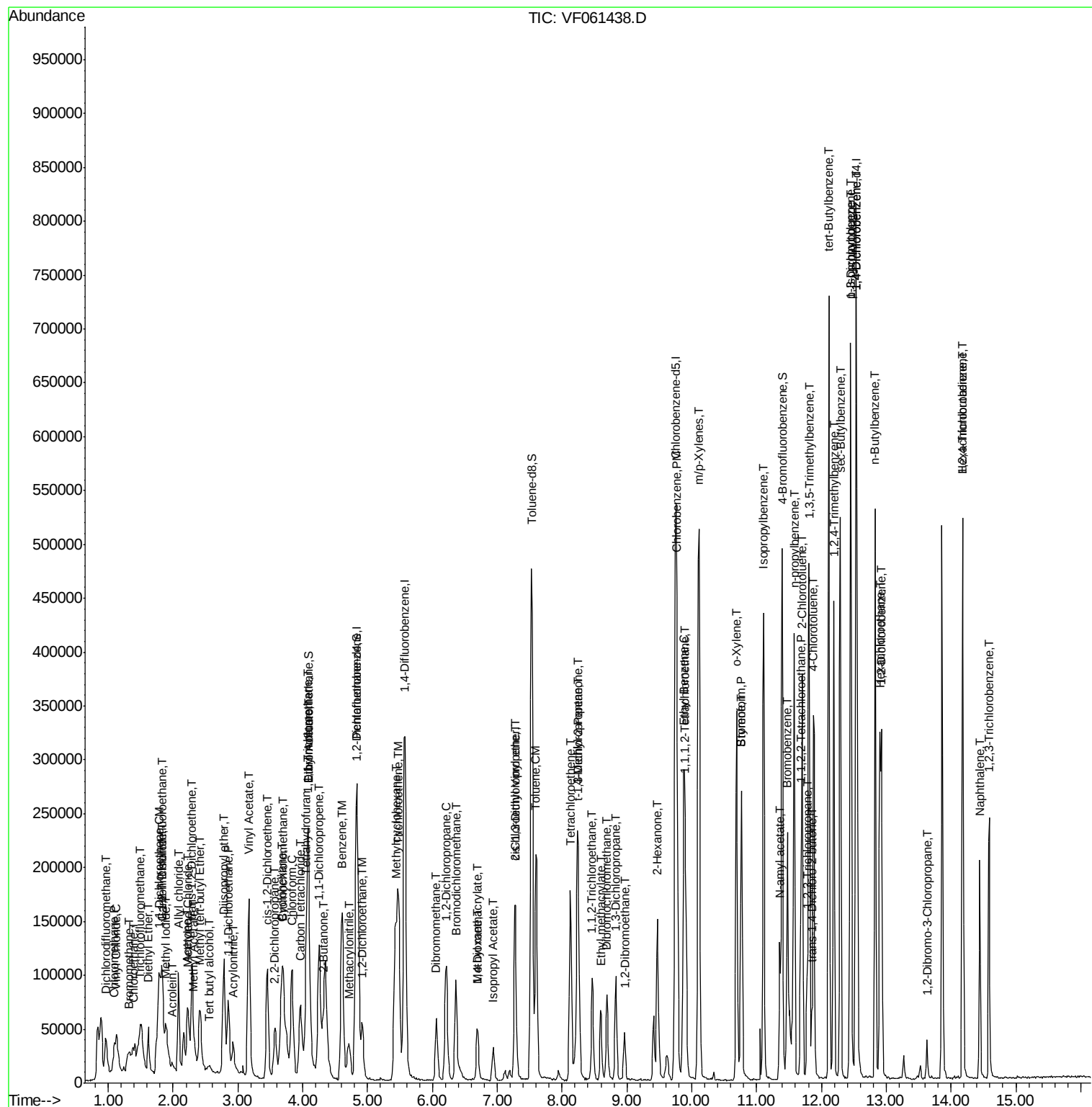
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	74571	20.494	ug/l	98
94) Hexachlorobutadiene	14.18	225	43542	19.285	ug/l	96
95) Naphthalene	14.44	128	132787	19.208	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	64140	19.042	ug/l	99

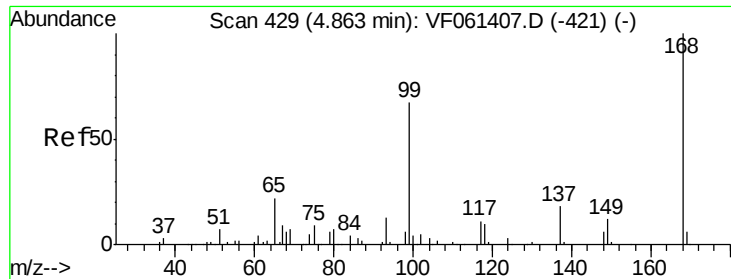
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011719\
Data File : VF061438.D
Acq On : 17 Jan 2019 12:05
Operator : VA/AP
Sample : VF0117SBS01
Misc : 5.00µL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Quant Time: Jan 18 03:16:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

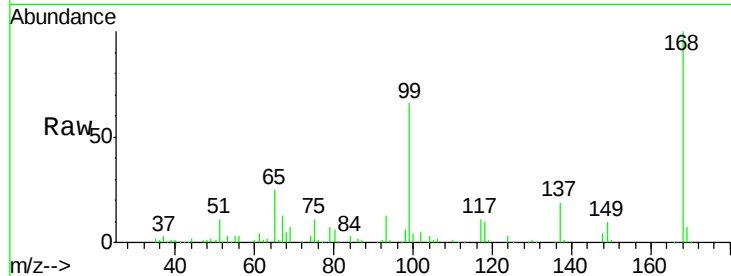
VF0117SBS01

Tot Ion:168 Resp: 195998

Ion Ratio Lower Upper

168 100

99 65.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

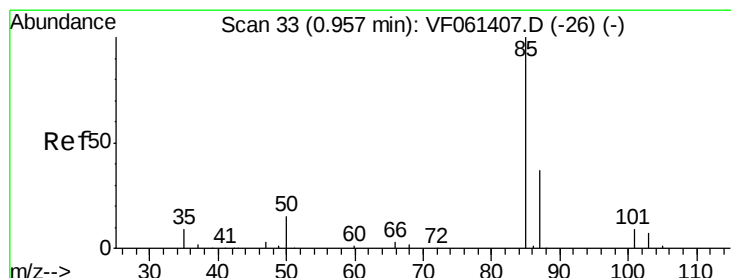
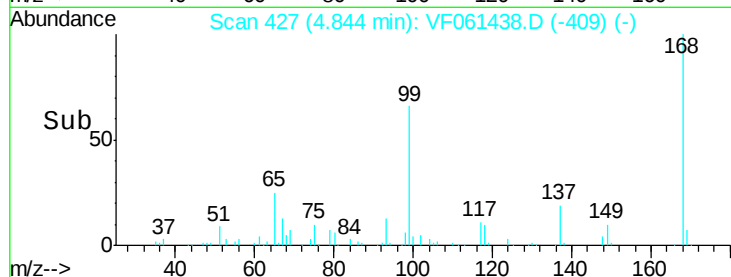
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.542 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061438.D

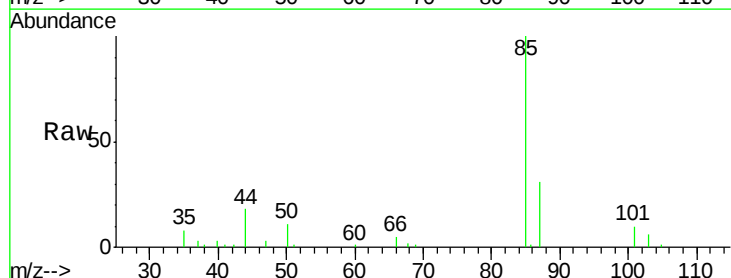
Acq: 17 Jan 2019 12:05

Tgt Ion: 85 Resp: 71407

Ion Ratio Lower Upper

85 100

87 30.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

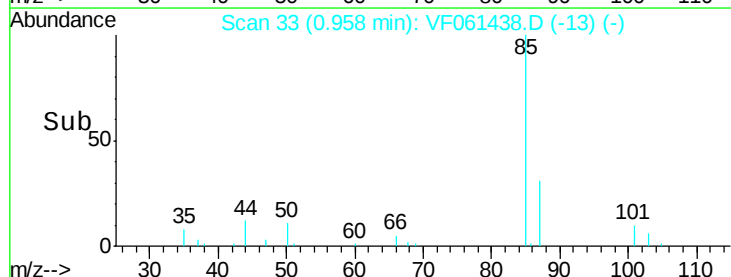
15000

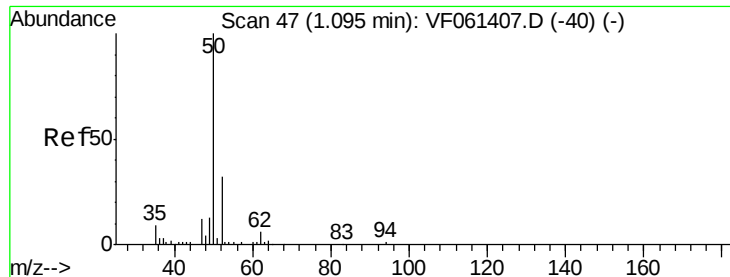
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.485 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

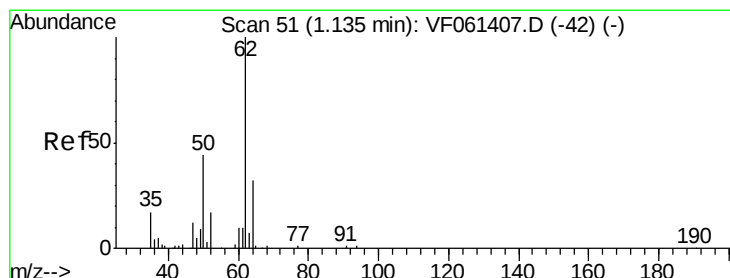
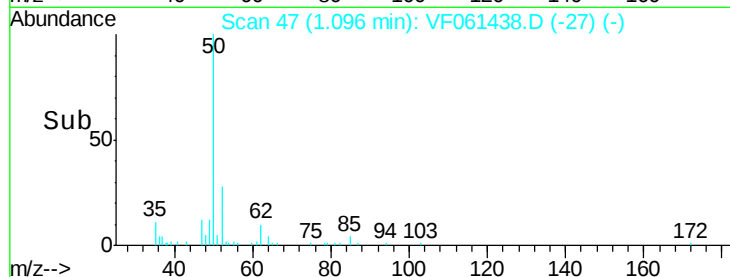
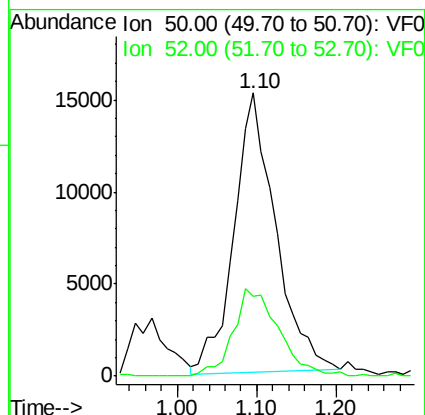
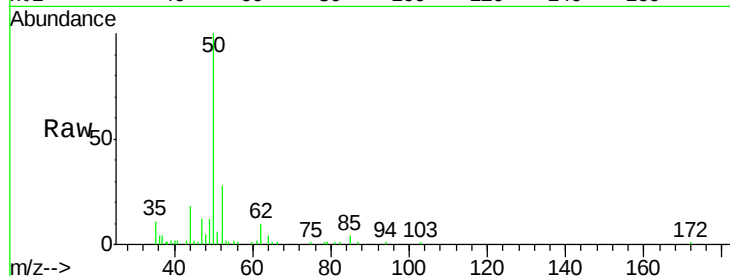
VF0117SBS01

Tot Ion: 50 Resp: 55021

Ion Ratio Lower Upper

50 100

52 28.1 24.6 36.8



#4

Vinyl Chloride

Concen: 19.864 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF061438.D

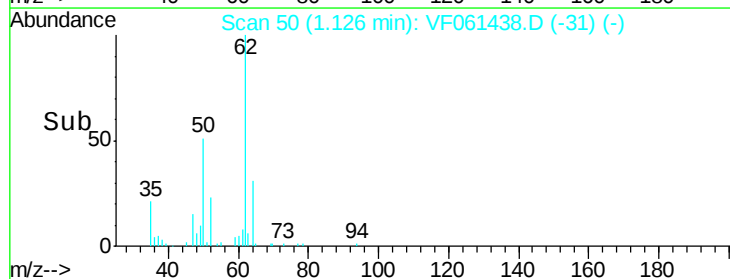
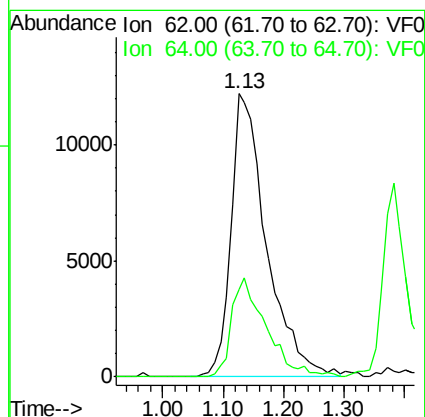
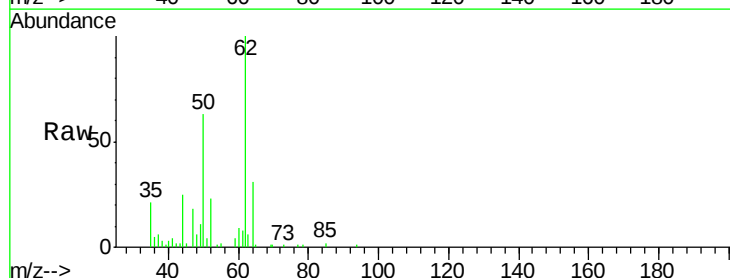
Acq: 17 Jan 2019 12:05

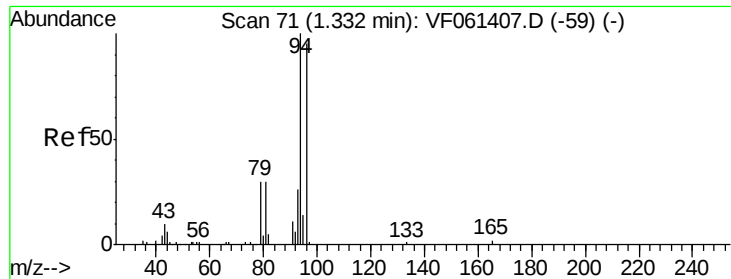
Tgt Ion: 62 Resp: 49895

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 19.141 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

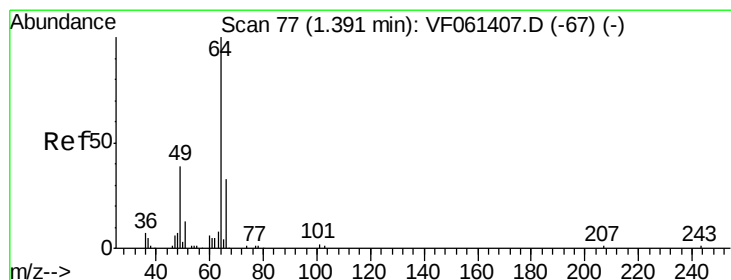
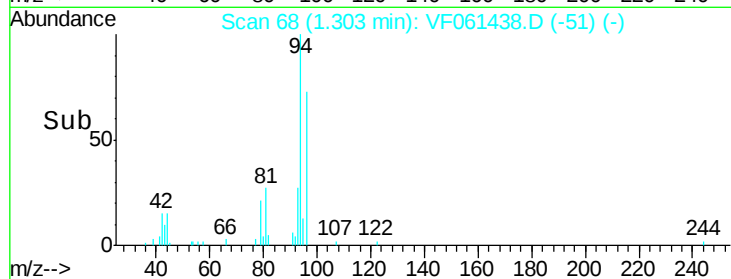
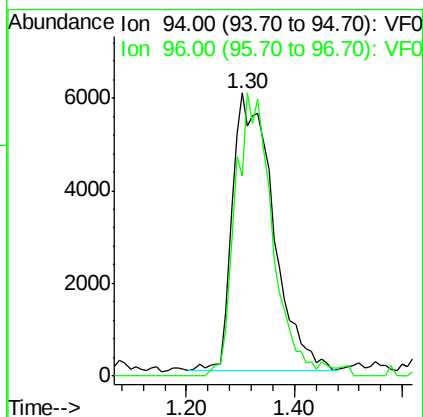
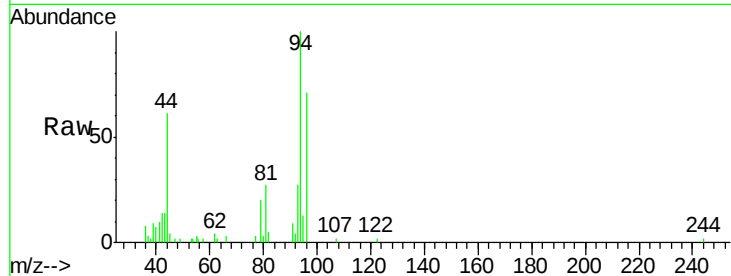
VF0117SBS01

Tot Ion: 94 Resp: 31352

Ion Ratio Lower Upper

94 100

96 70.7 76.0 114.0#



#6

Chloroethane

Concen: 20.331 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061438.D

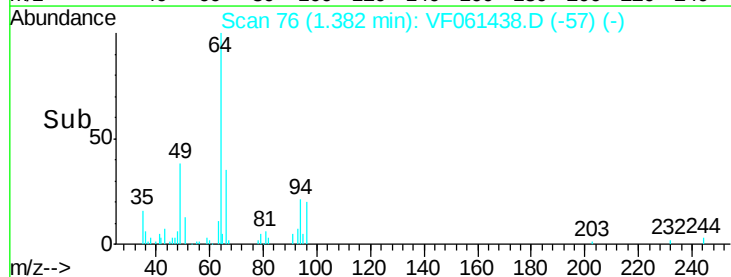
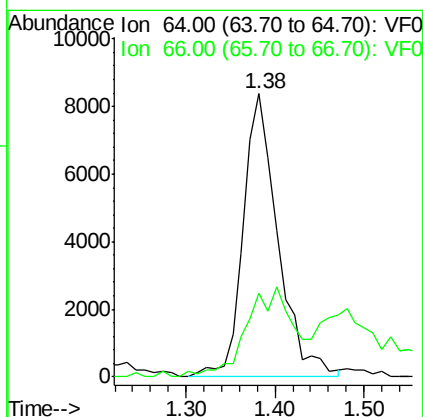
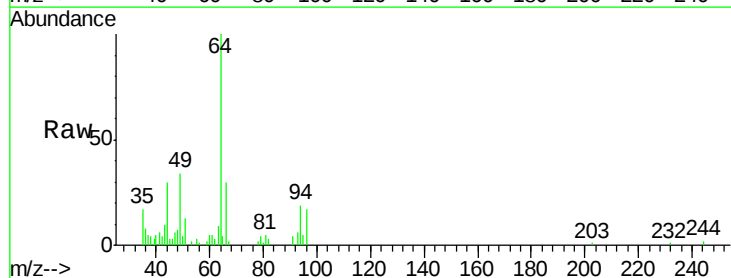
Acq: 17 Jan 2019 12:05

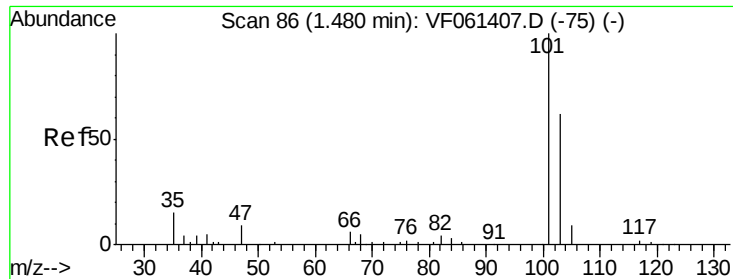
Tgt Ion: 64 Resp: 22629

Ion Ratio Lower Upper

64 100

66 29.5 26.6 40.0





#7

Trichlorofluoromethane

Concen: 12.271 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.00 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

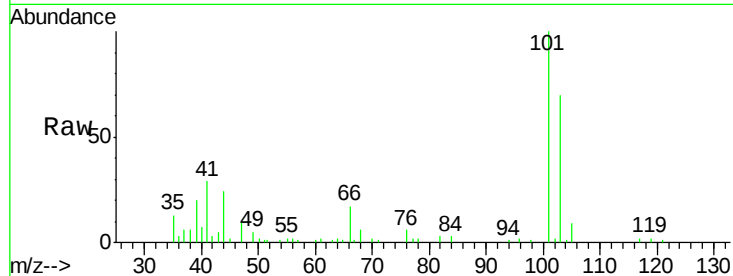
VF0117SBS01

Tot Ion:101 Resp: 59922

Ion Ratio Lower Upper

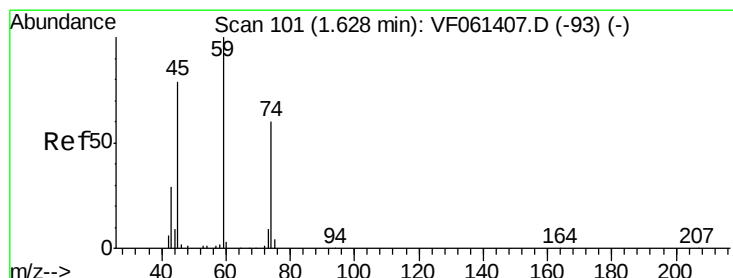
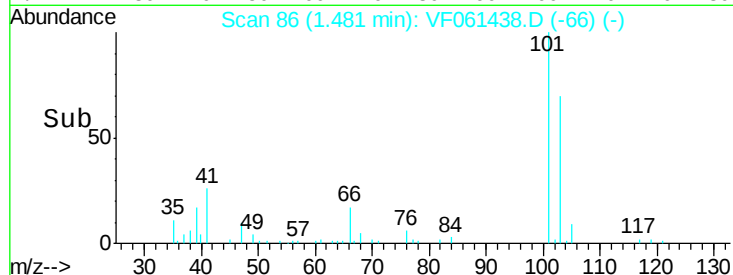
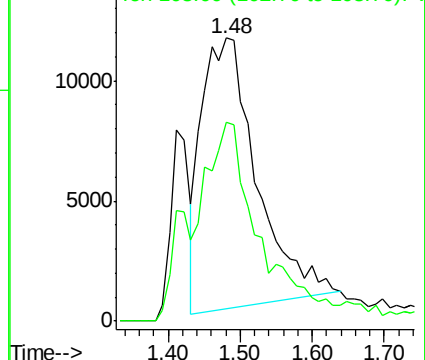
101 100

103 70.1 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.274 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061438.D

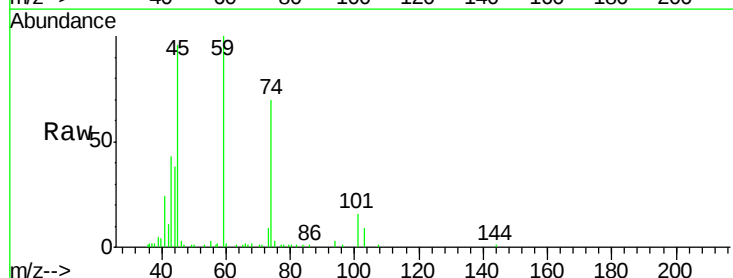
Acq: 17 Jan 2019 12:05

Tgt Ion: 74 Resp: 13311

Ion Ratio Lower Upper

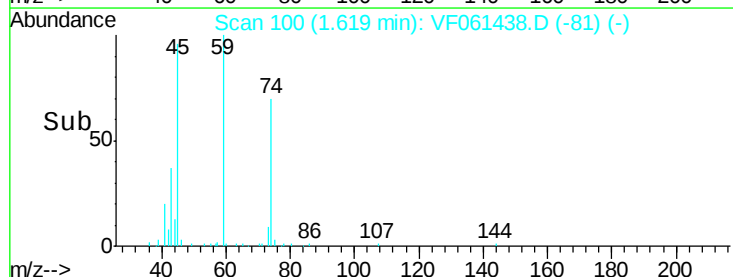
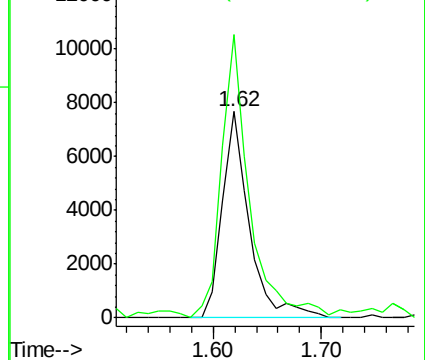
74 100

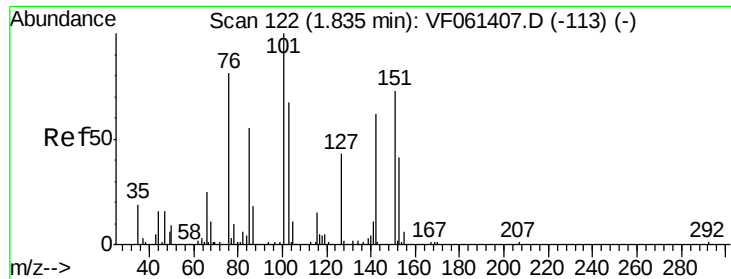
45 137.2 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

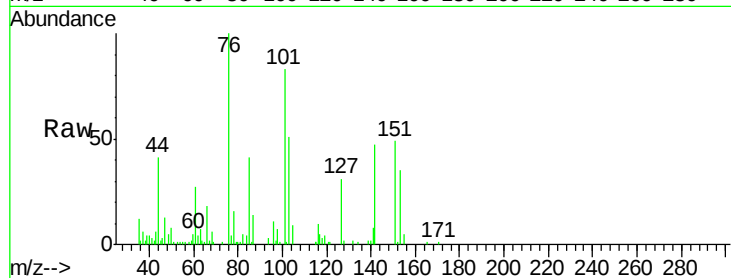
Tot Ion:101 Resp: 45993

Ion Ratio Lower Upper

101 100

85 48.7 41.9 62.9

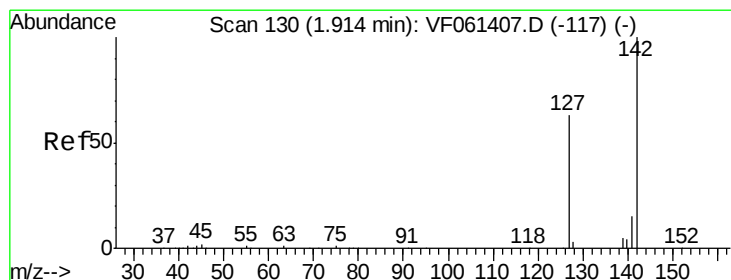
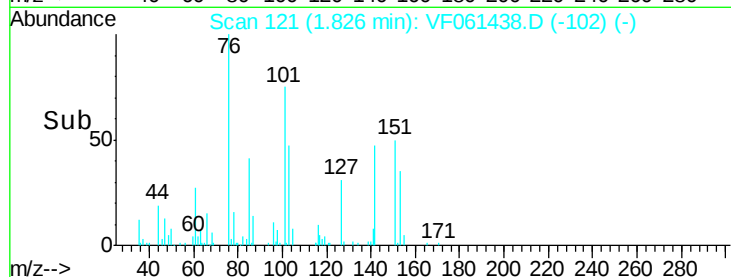
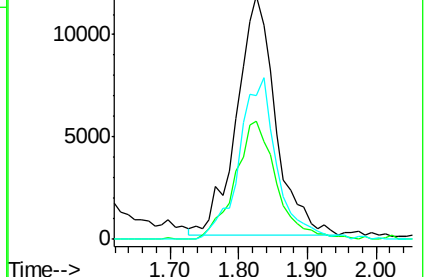
151 59.1 55.1 82.7



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: 14.801 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

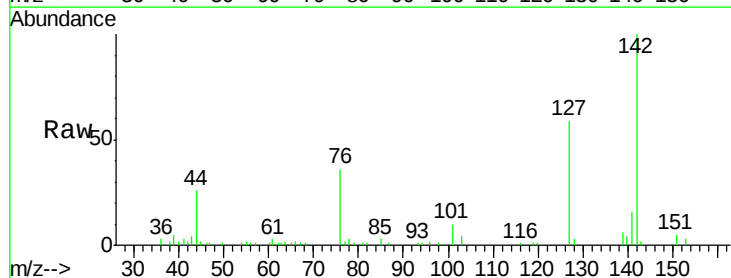
Tgt Ion:142 Resp: 53838

Ion Ratio Lower Upper

142 100

127 58.8 50.7 76.1

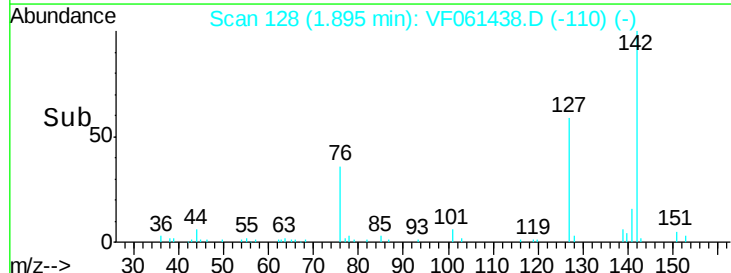
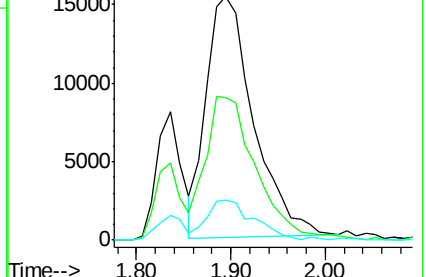
141 16.3 11.8 17.6

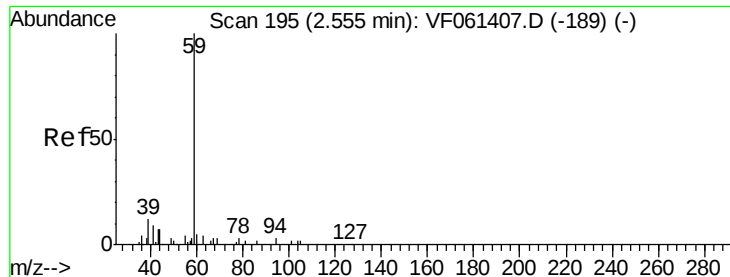


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

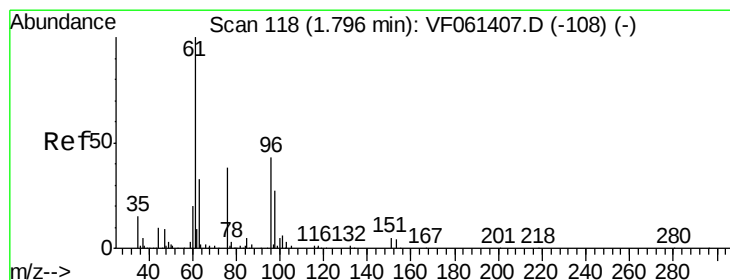
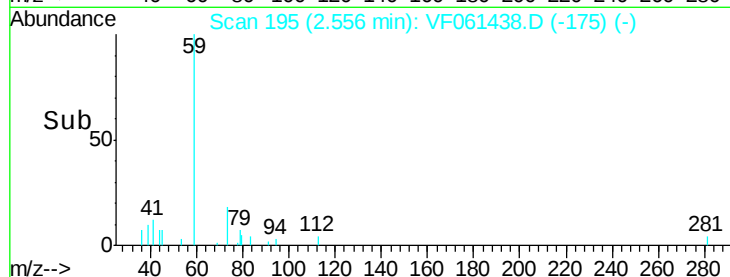
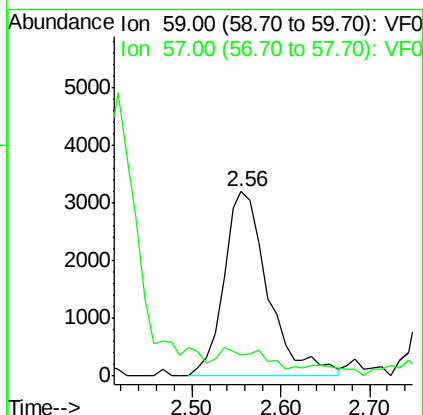
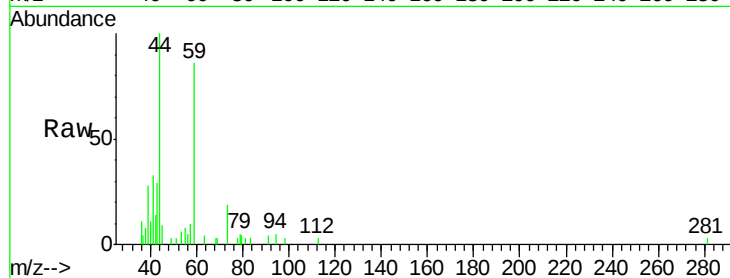




#11
Tert butyl alcohol
Concen: 108.242 ug/l
RT: 2.56 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

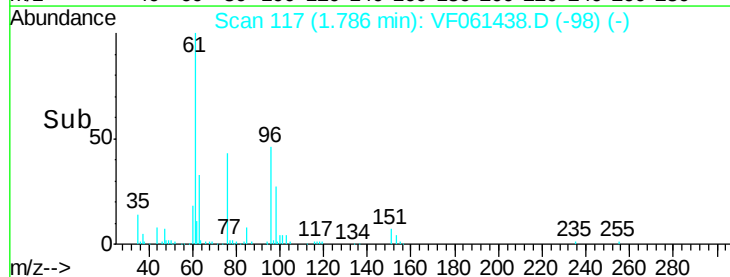
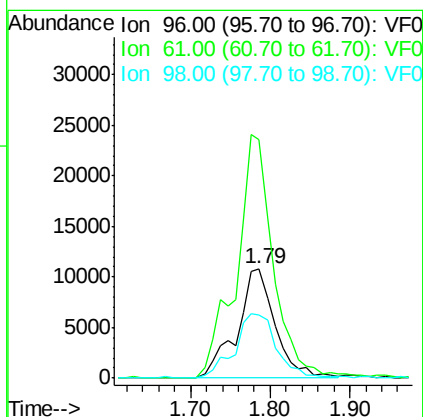
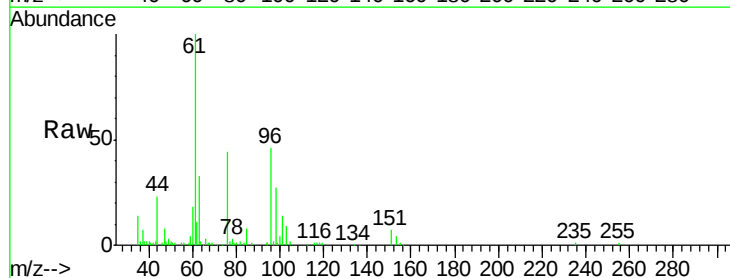
Instrument :
MSVOA_F
ClientSampled :
VF0117SBS01

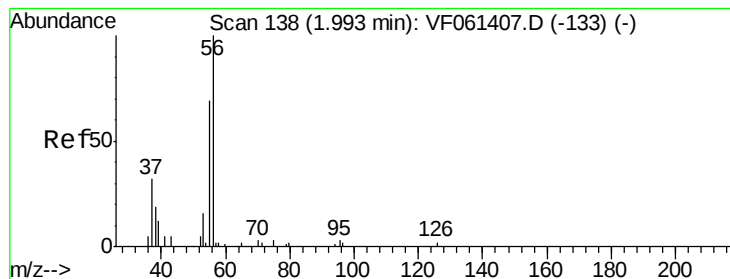
Tot Ion: 59 Resp: 11087
Ion Ratio Lower Upper
59 100
57 11.7 11.9 17.9#



#12
1,1-Dichloroethene
Concen: 20.535 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 96 Resp: 35797
Ion Ratio Lower Upper
96 100
61 217.8 186.9 280.3
98 58.2 53.0 79.4





#13

Acrolein

Concen: 90.658 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

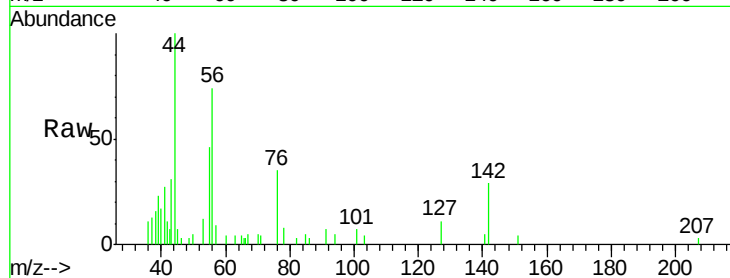
VF0117SBS01

Tot Ion: 56 Resp: 7392

Ion Ratio Lower Upper

56 100

55 61.8 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.98

2500

2000

1500

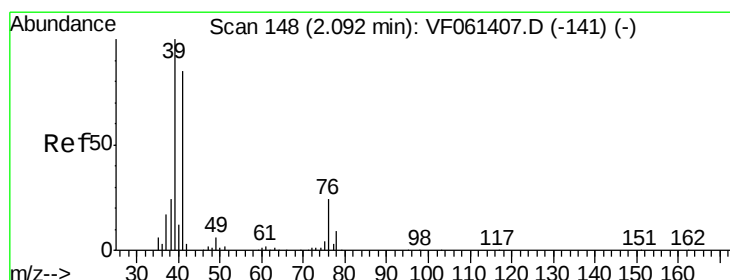
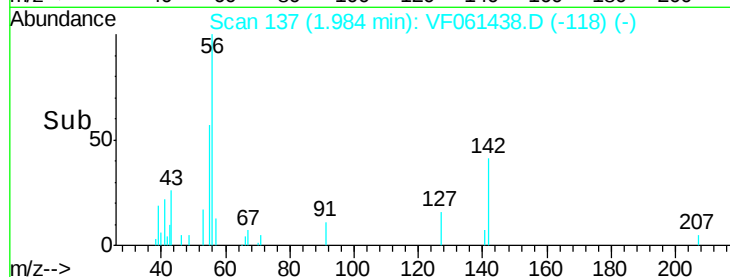
1000

500

0

1.90 2.00 2.10

Time-->



#14

Allyl chloride

Concen: 26.814 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

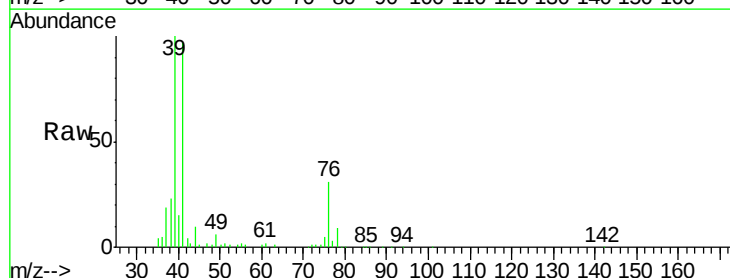
Tgt Ion: 41 Resp: 53617

Ion Ratio Lower Upper

41 100

39 103.3 94.6 141.8

76 32.2 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.08

40000

30000

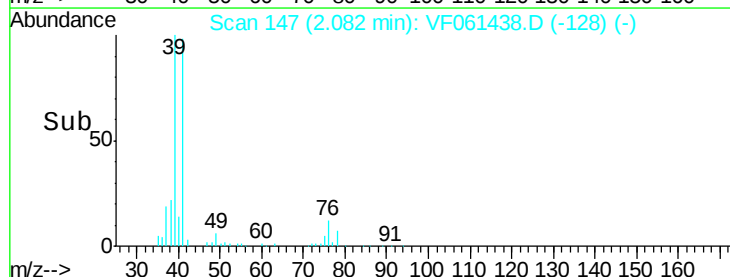
20000

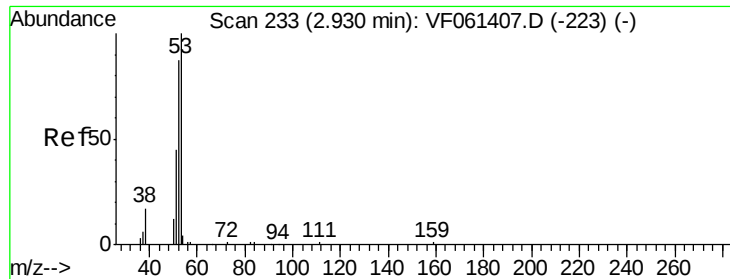
10000

0

2.00 2.05 2.10 2.15

Time-->





#15

Acrylonitrile

Concen: 107.132 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

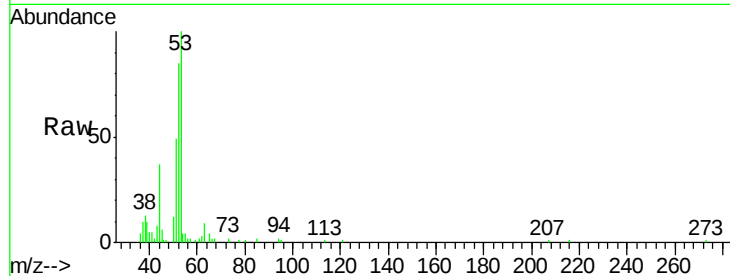
Tot Ion: 53 Resp: 28108

Ion Ratio Lower Upper

53 100

52 84.6 69.6 104.4

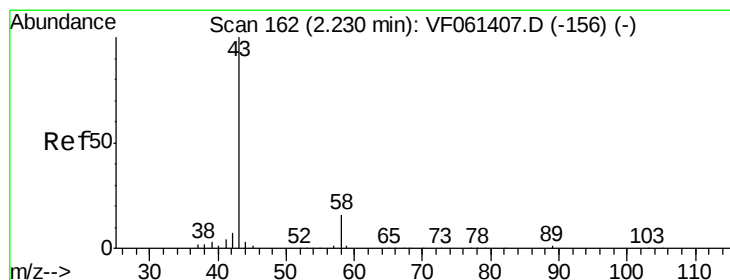
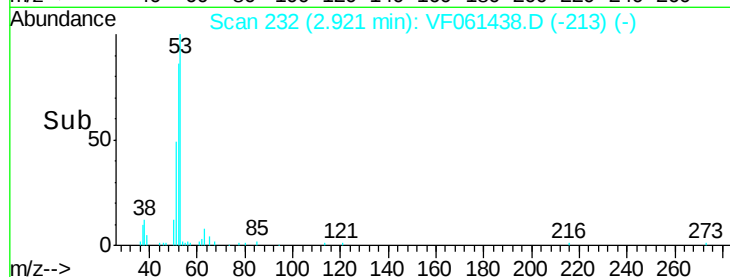
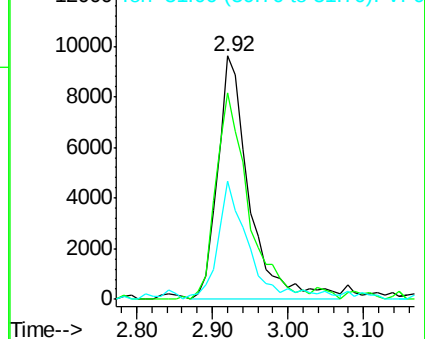
51 48.5 36.8 55.2



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: 127.315 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061438.D

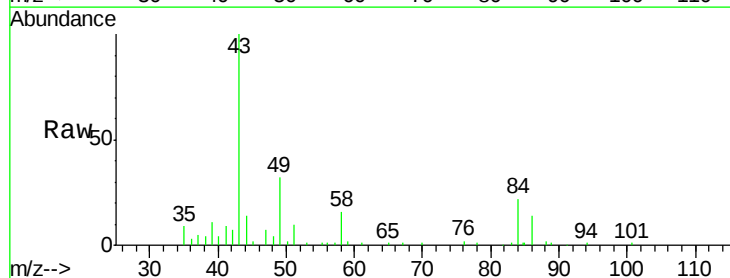
Acq: 17 Jan 2019 12:05

Tgt Ion: 43 Resp: 61805

Ion Ratio Lower Upper

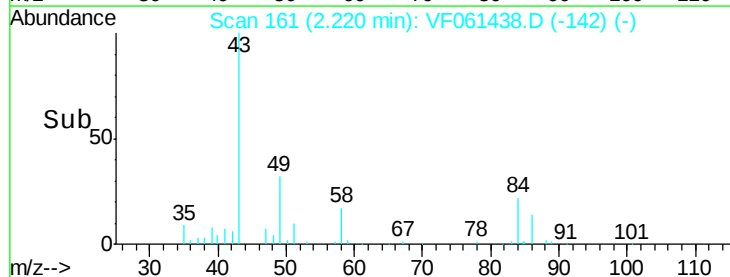
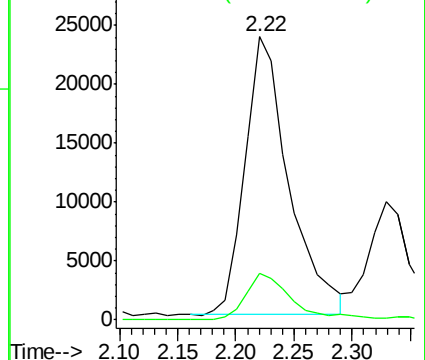
43 100

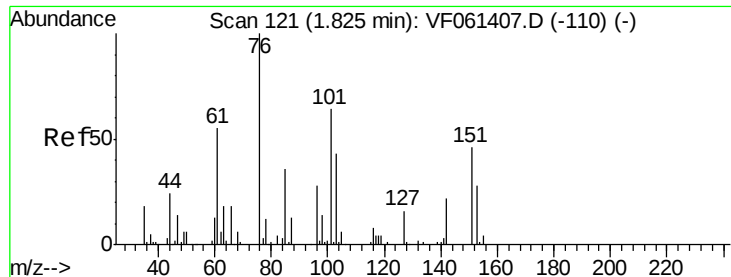
58 16.4 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 14.521 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

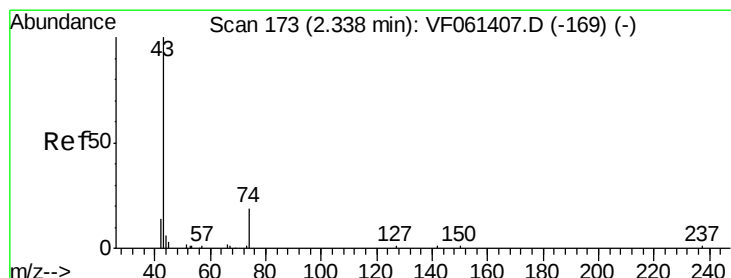
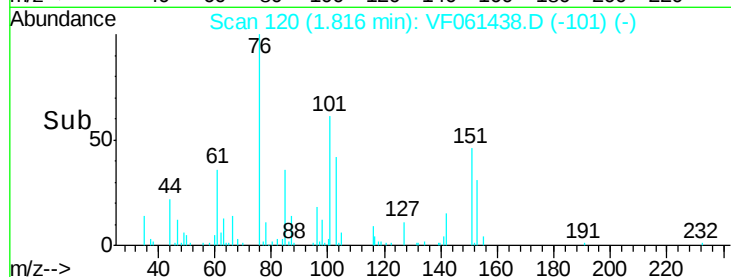
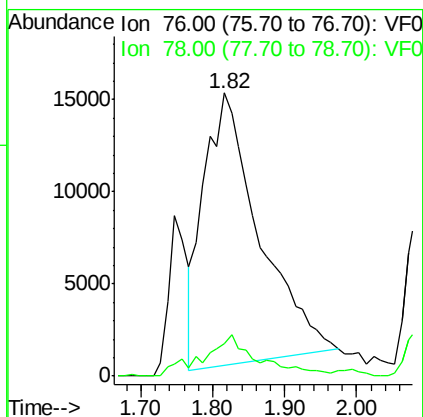
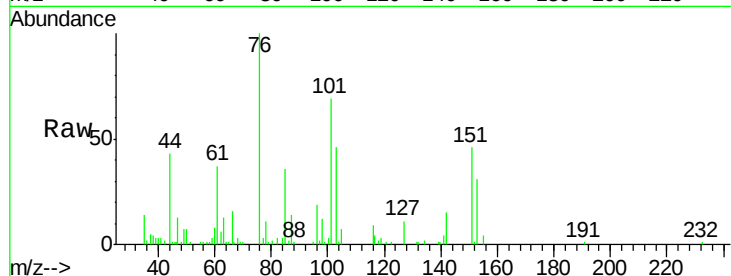
VF0117SBS01

Tot Ion: 76 Resp: 78930

Ion Ratio Lower Upper

76 100

78 11.4 9.6 14.4



#18

Methyl Acetate

Concen: 21.592 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF061438.D

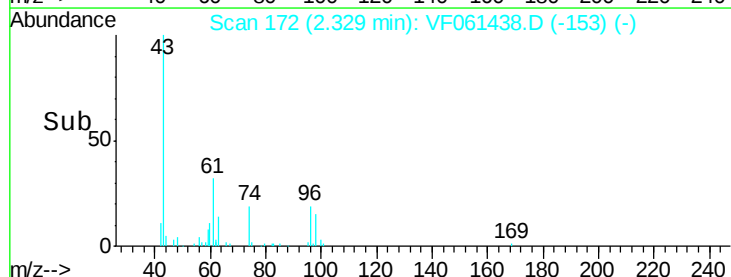
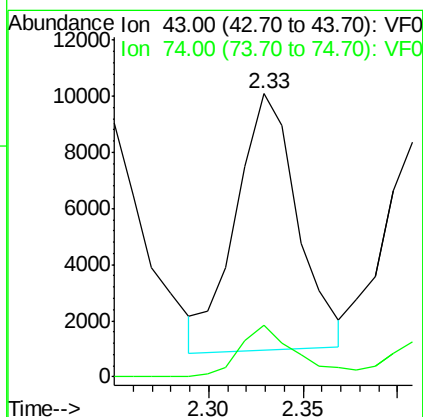
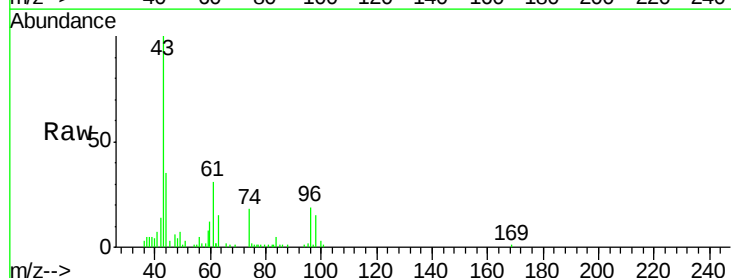
Acq: 17 Jan 2019 12:05

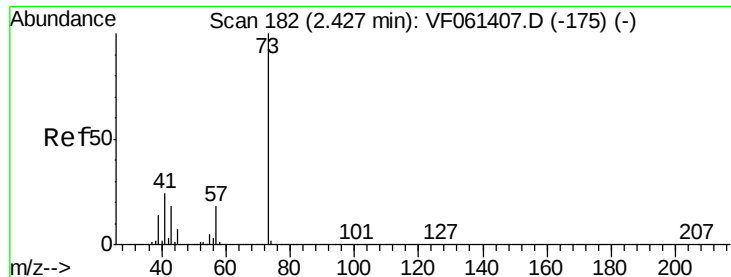
Tgt Ion: 43 Resp: 20787

Ion Ratio Lower Upper

43 100

74 18.3 13.4 20.0

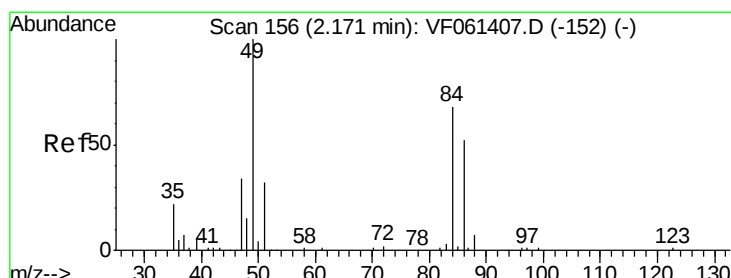
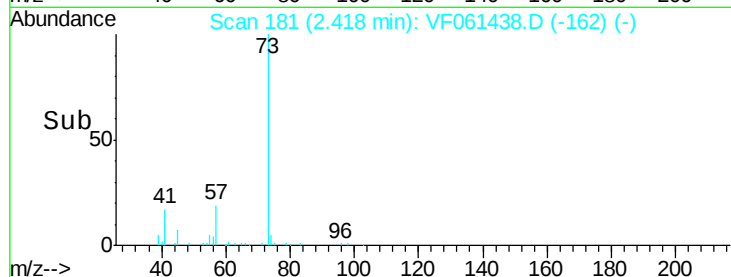
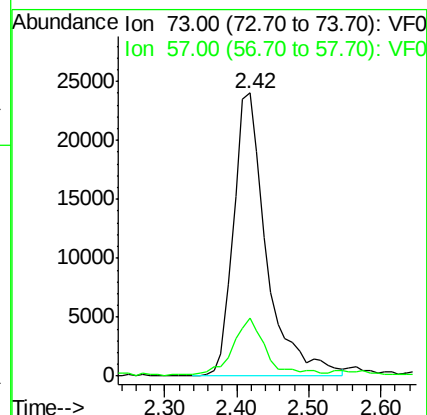
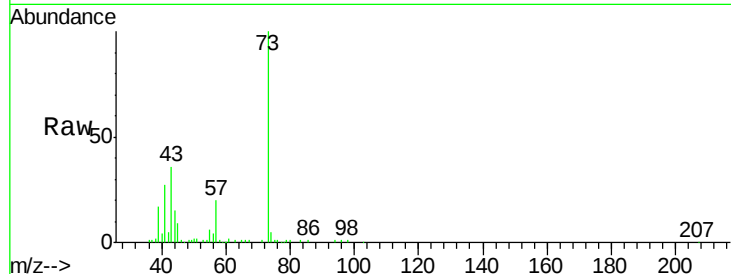




#19
Methyl tert-butyl Ether
Concen: 19.645 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

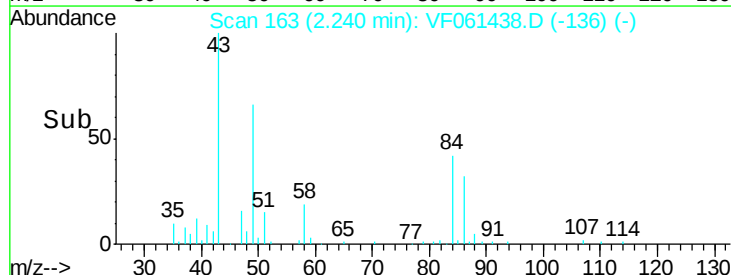
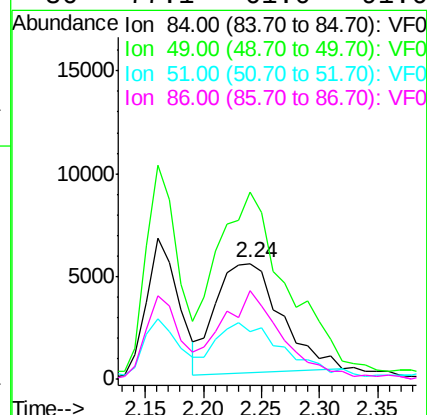
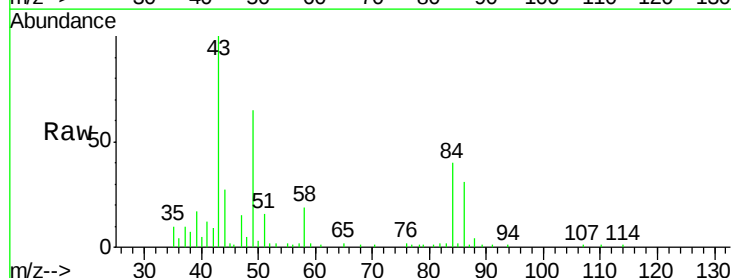
Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

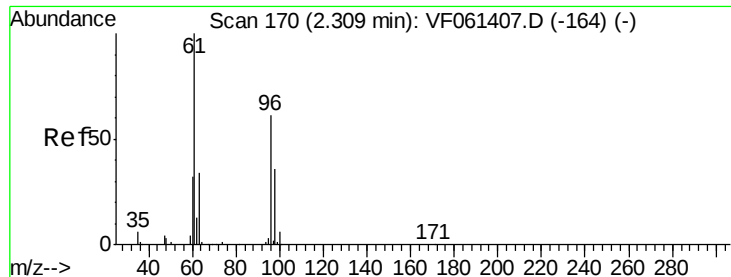
Tot Ion: 73 Resp: 76767
Ion Ratio Lower Upper
73 100
57 20.4 14.8 22.2



#20
Methylene Chloride
Concen: 11.248 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.07 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 84 Resp: 20779
Ion Ratio Lower Upper
84 100
49 161.5 120.0 180.0
51 40.8 38.6 58.0
86 77.1 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 20.123 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

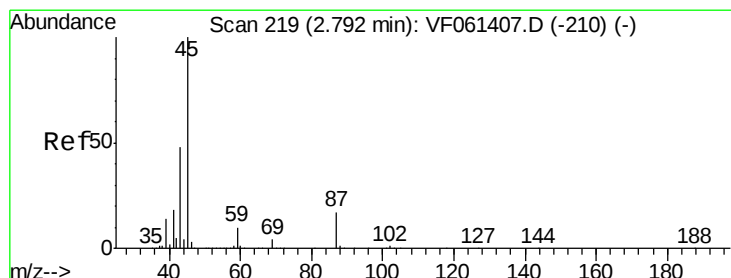
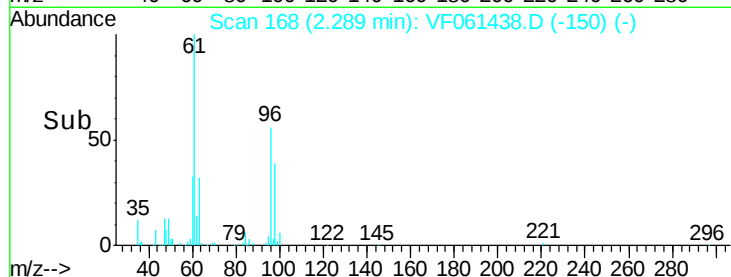
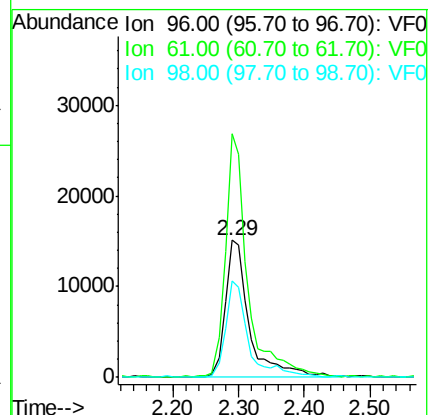
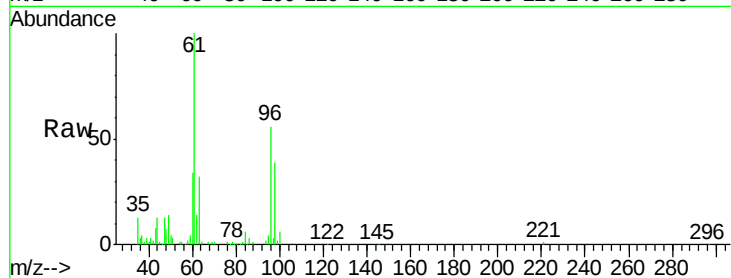
Tot Ion: 96 Resp: 38594

Ion Ratio Lower Upper

96 100

61 178.0 131.8 197.8

98 70.0 47.4 71.0



#22

Diisopropyl ether

Concen: 20.891 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion: 45 Resp: 129598

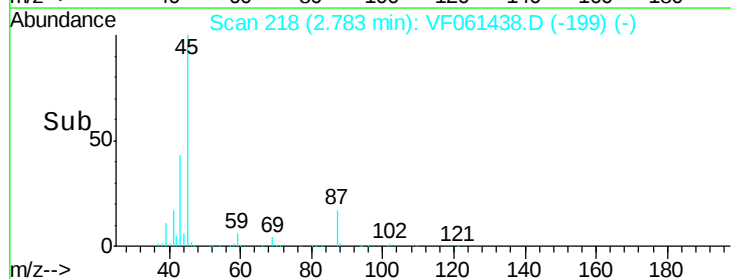
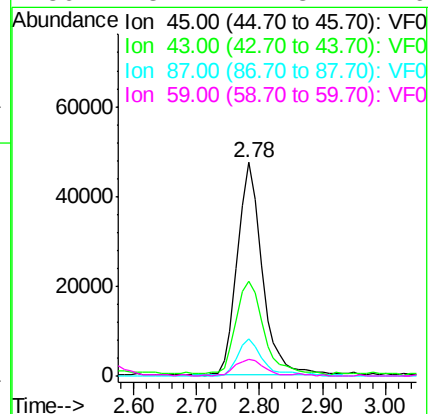
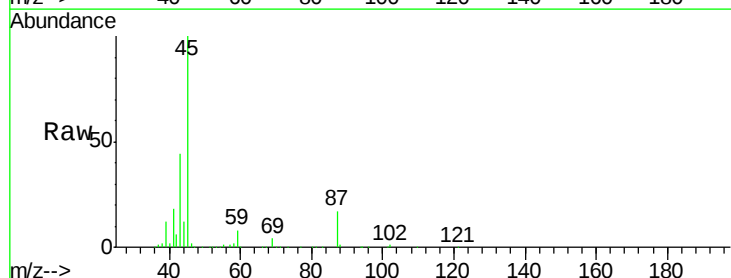
Ion Ratio Lower Upper

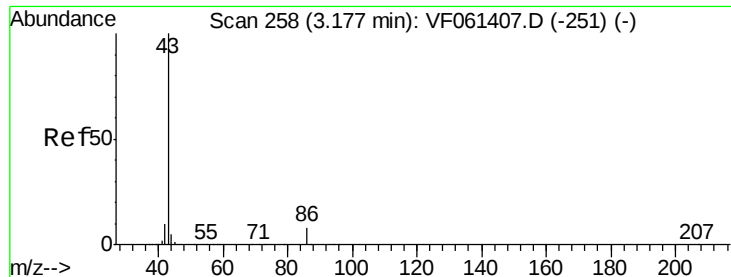
45 100

43 44.3 39.0 58.6

87 17.2 13.9 20.9

59 8.1 7.8 11.6





#23

Vinyl Acetate

Concen: 127.260 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

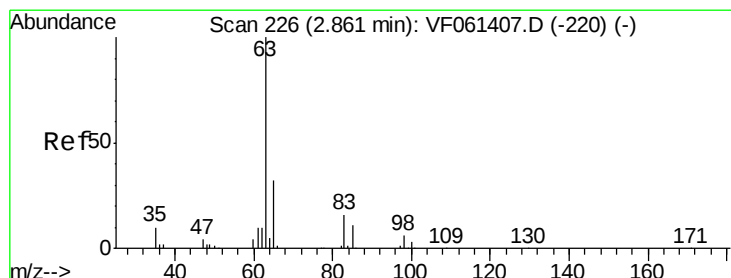
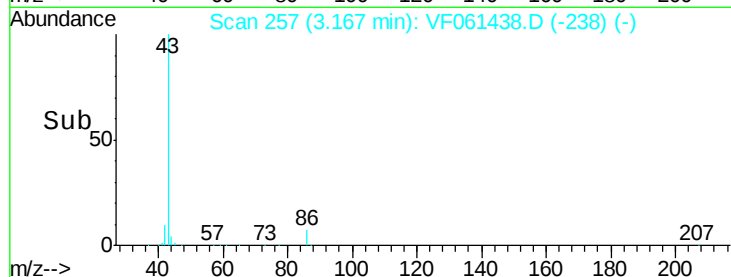
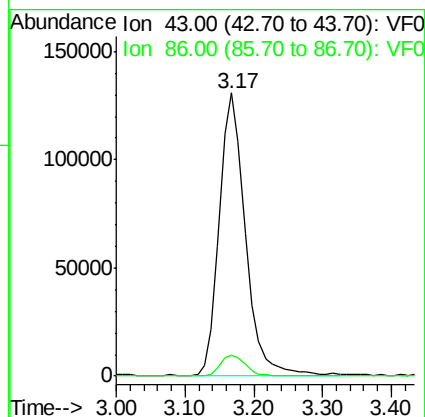
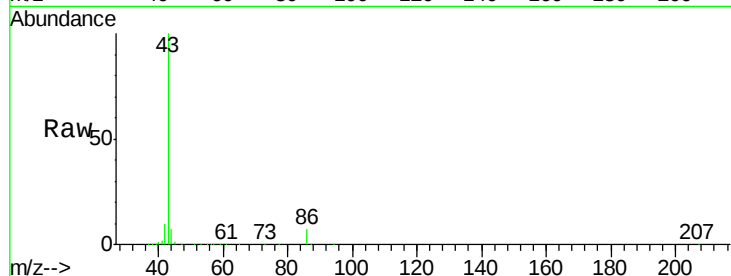
VF0117SBS01

Tot Ion: 43 Resp: 342907

Ion Ratio Lower Upper

43 100

86 7.4 6.2 9.4



#24

1,1-Dichloroethane

Concen: 19.813 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

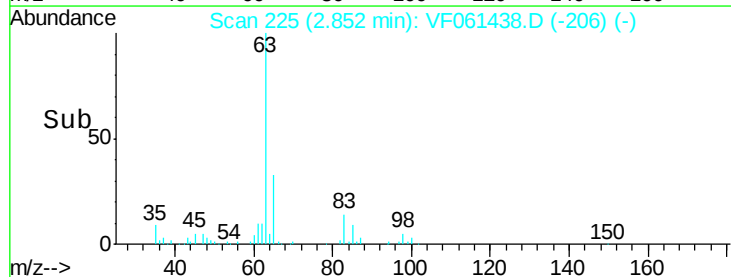
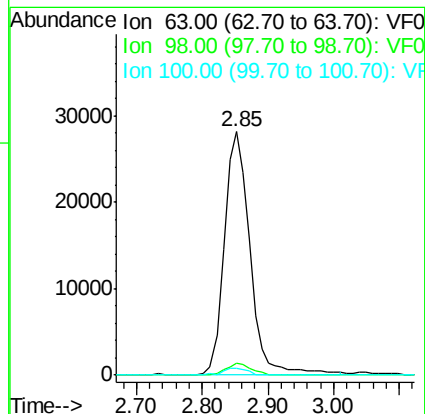
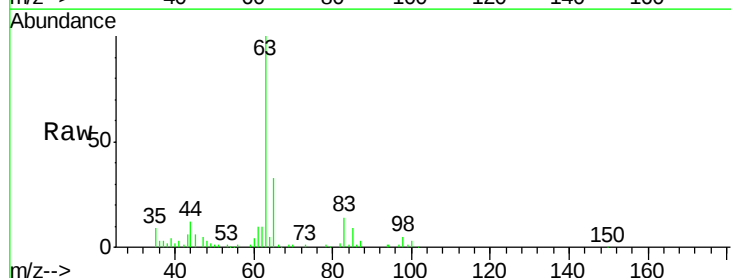
Tgt Ion: 63 Resp: 77140

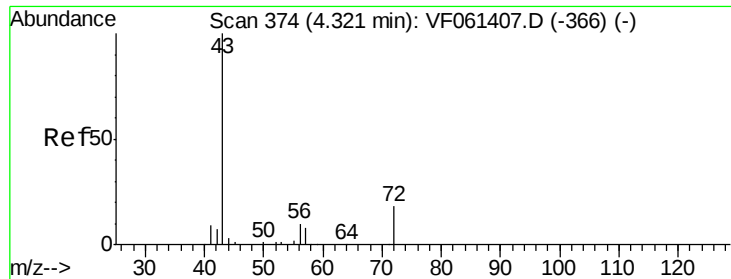
Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.8

100 2.9 1.6 4.8





#25

2-Butanone

Concen: 125.703 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

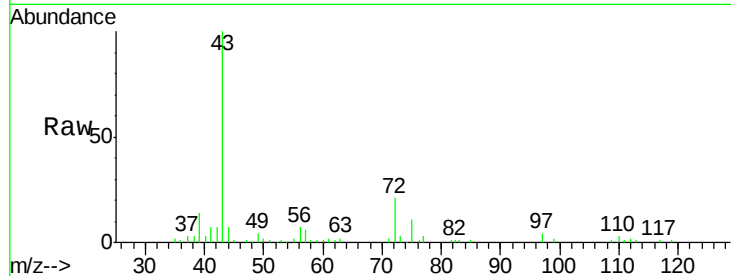
VF0117SBS01

Tot Ion: 43 Resp: 101478

Ion Ratio Lower Upper

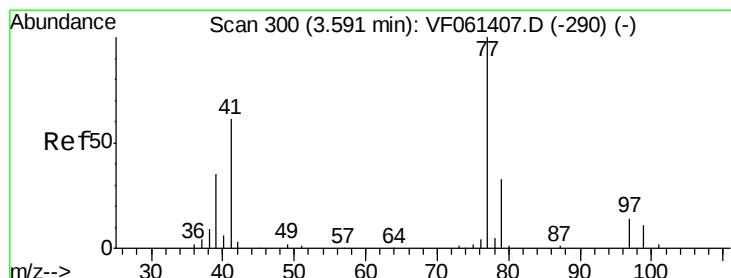
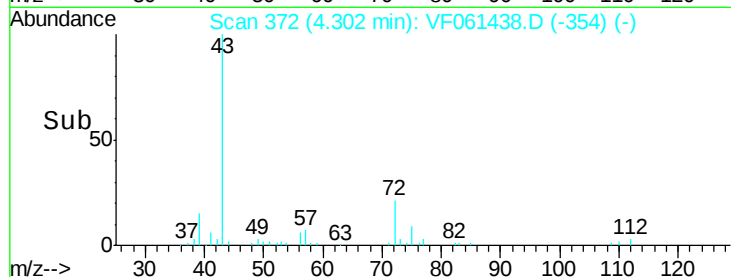
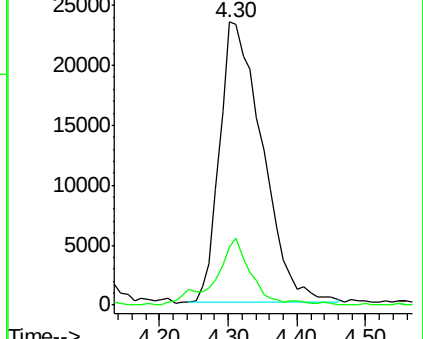
43 100

72 20.6 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 19.207 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.02 min

Lab File: VF061438.D

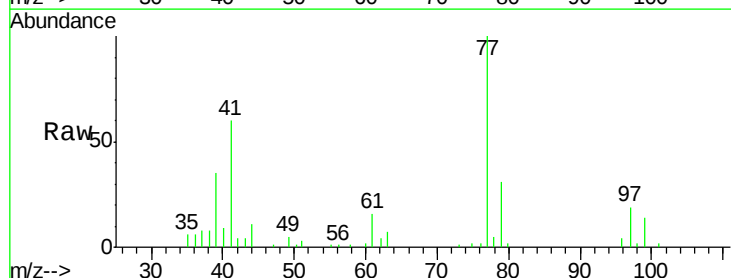
Acq: 17 Jan 2019 12:05

Tgt Ion: 77 Resp: 45944

Ion Ratio Lower Upper

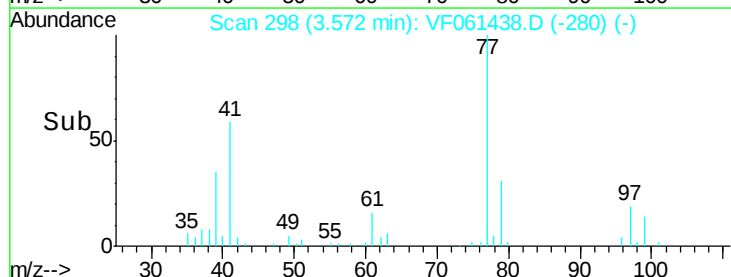
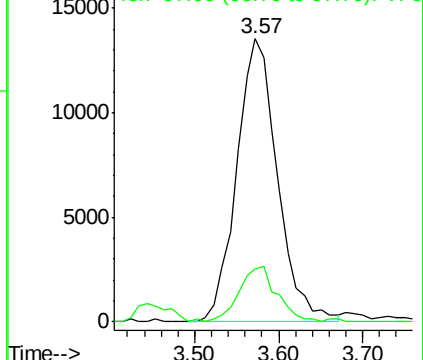
77 100

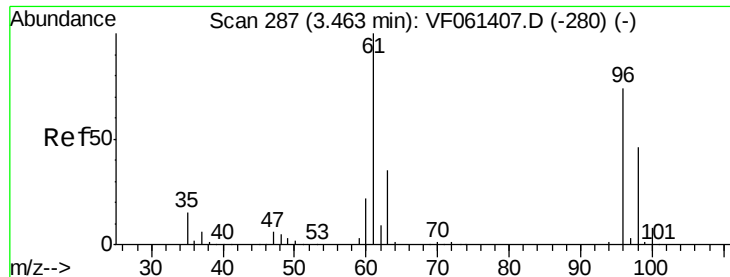
97 18.8 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



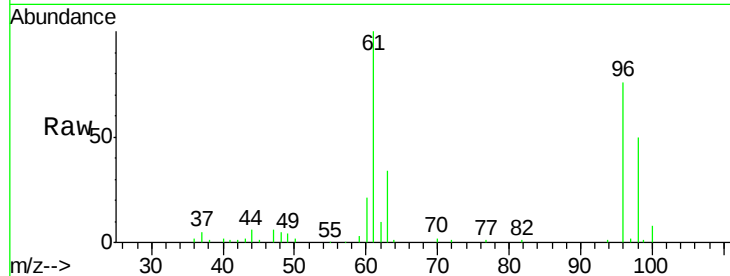


#27

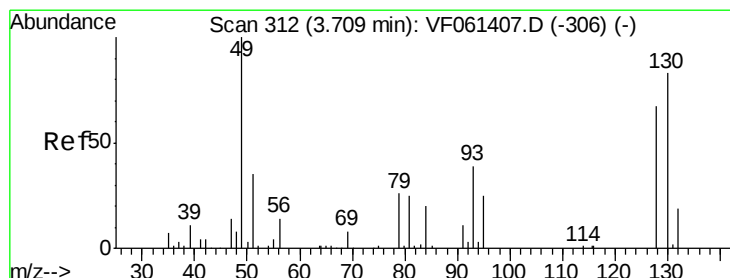
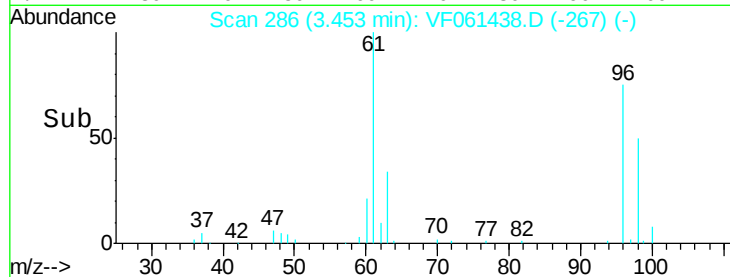
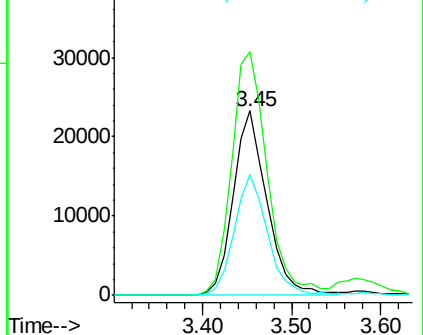
cis-1,2-Dichloroethene
 Concen: 21.733 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion: 96 Resp: 61530
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 270.2
 98 65.5 0.0 124.0



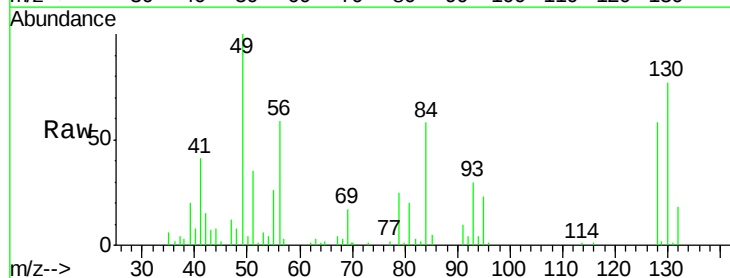
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



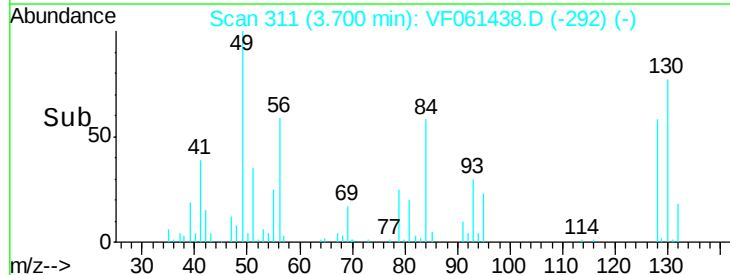
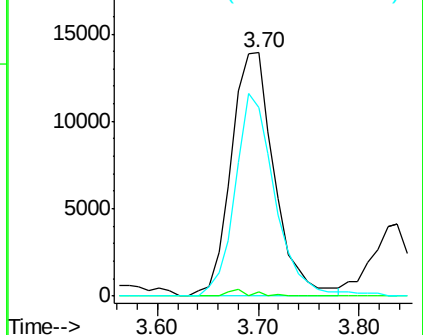
#28

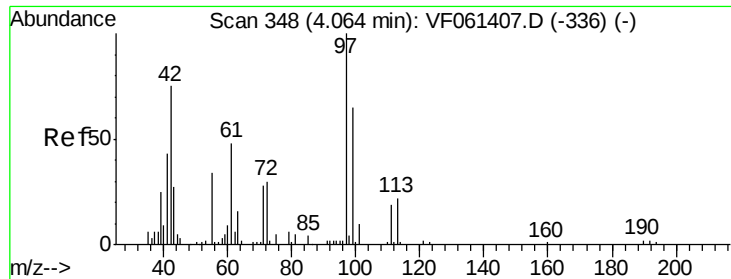
Bromochloromethane
 Concen: 23.755 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion: 49 Resp: 41575
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 0.0#
 130 77.4 65.4 98.2



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

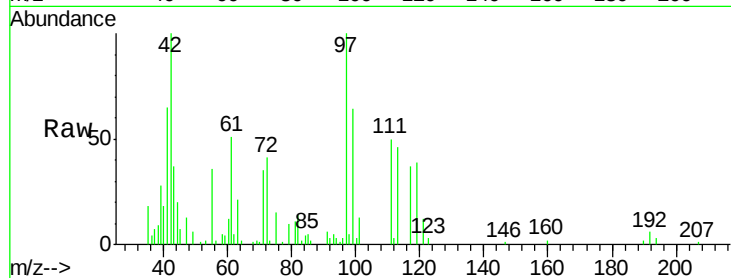




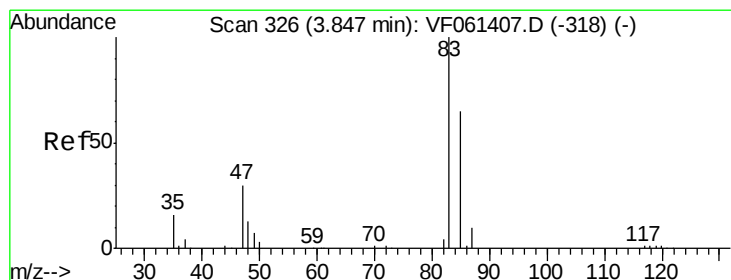
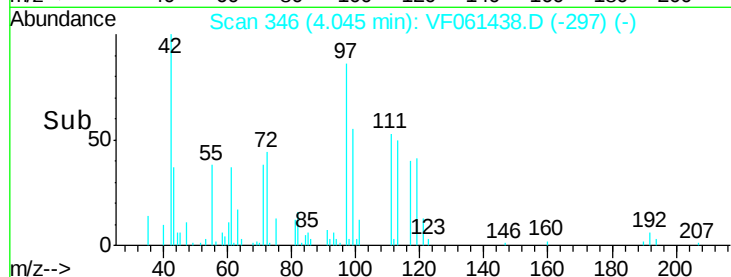
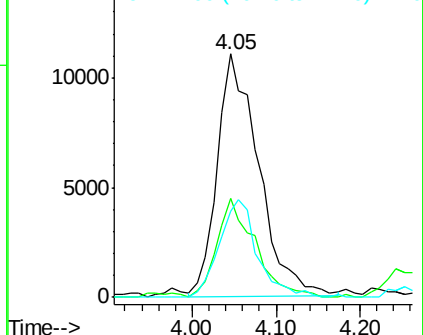
#29
Tetrahydrofuran
Concen: 109.862 ug/l
RT: 4.05 min Scan# 346
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion: 42 Resp: 38189
Ion Ratio Lower Upper
42 100
72 37.3 28.9 43.3
71 36.5 29.6 44.4

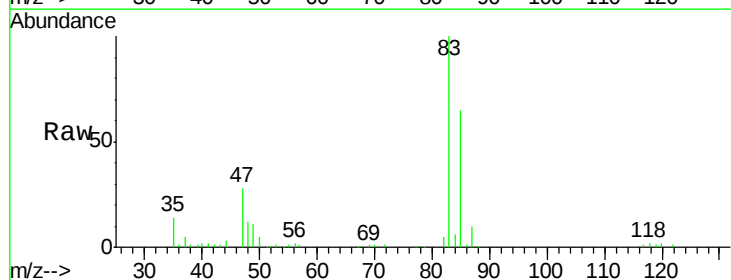


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

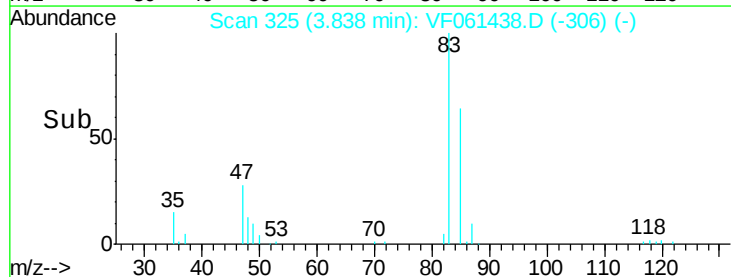
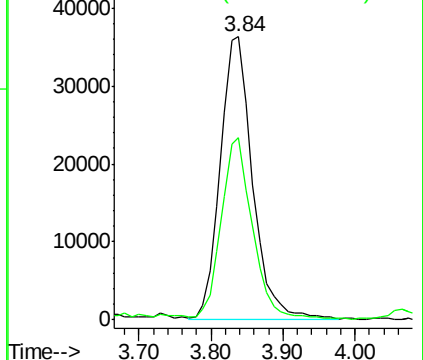


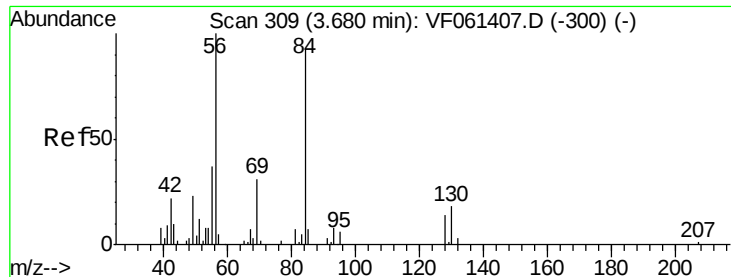
#30
Chloroform
Concen: 21.529 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 83 Resp: 113124
Ion Ratio Lower Upper
83 100
85 64.5 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 14.601 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

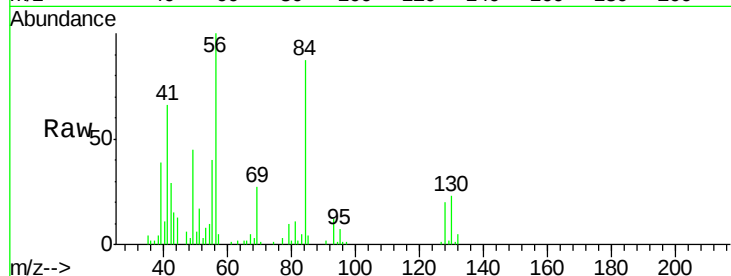
Tot Ion: 56 Resp: 56788

Ion Ratio Lower Upper

56 100

69 27.3 24.6 36.8

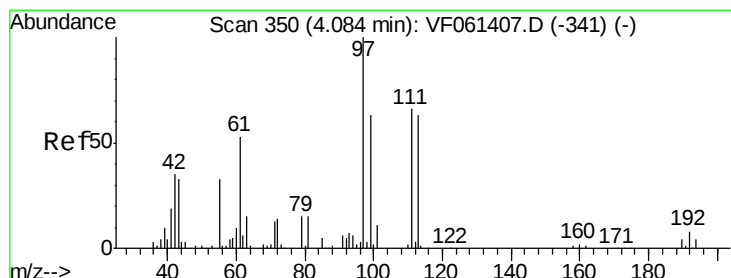
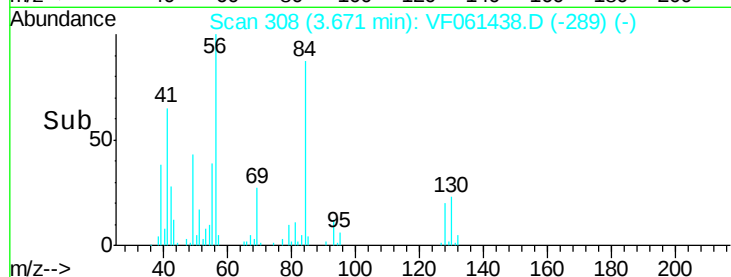
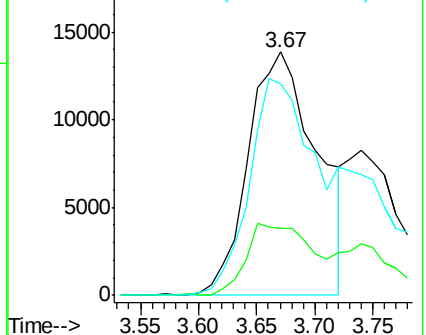
84 87.1 74.2 111.2



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: 17.959 ug/l

RT: 4.07 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

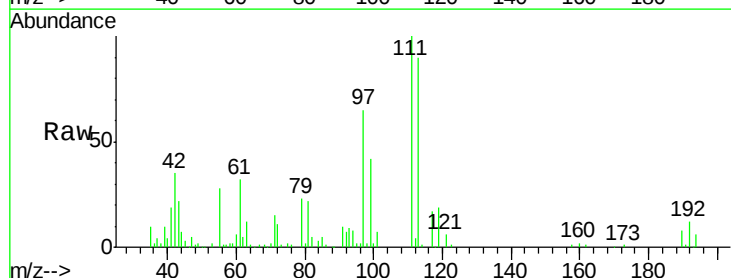
Tgt Ion: 97 Resp: 69191

Ion Ratio Lower Upper

97 100

99 64.9 50.1 75.1

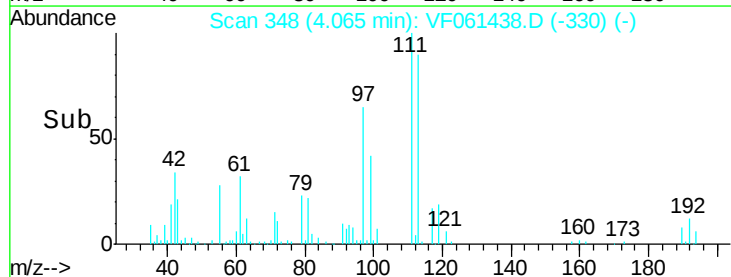
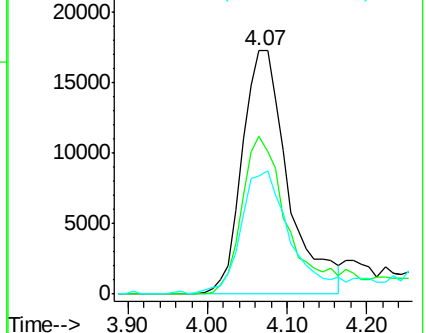
61 48.6 43.1 64.7

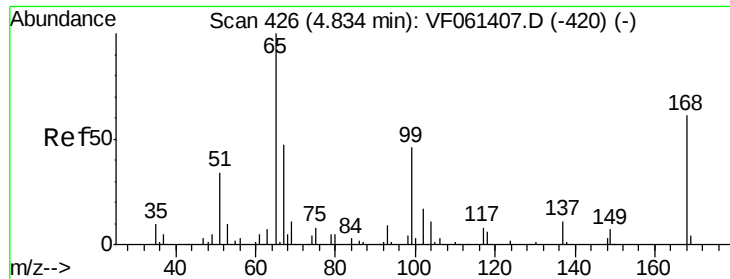


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 50.284 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

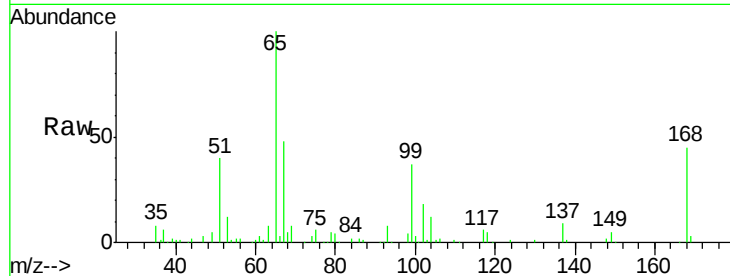
VF0117SBS01

Tot Ion: 65 Resp: 121680

Ion Ratio Lower Upper

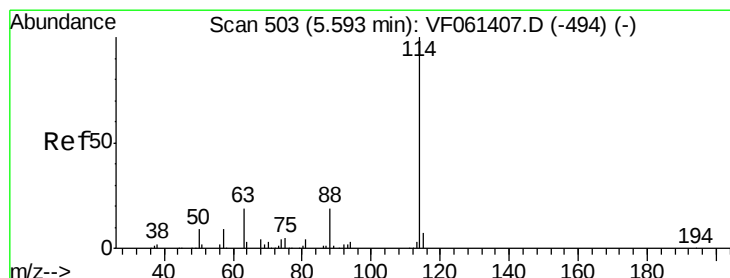
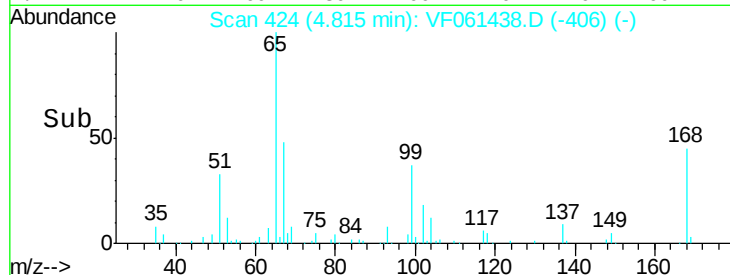
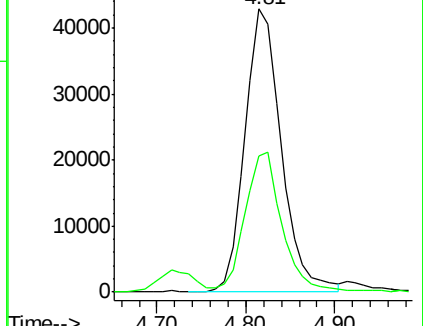
65 100

67 48.3 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

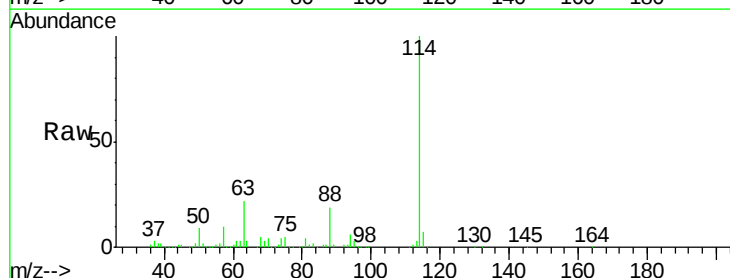
Tgt Ion: 114 Resp: 362916

Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.0

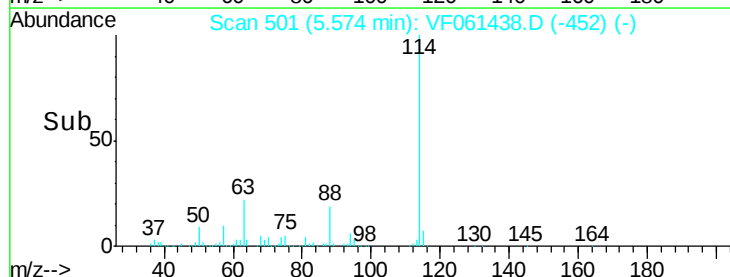
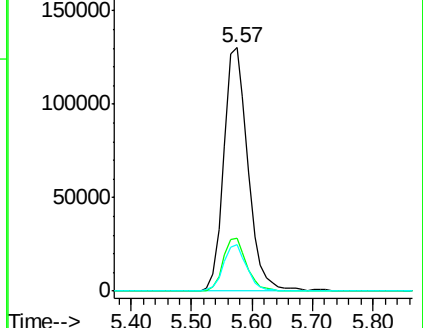
88 18.9 0.0 37.4

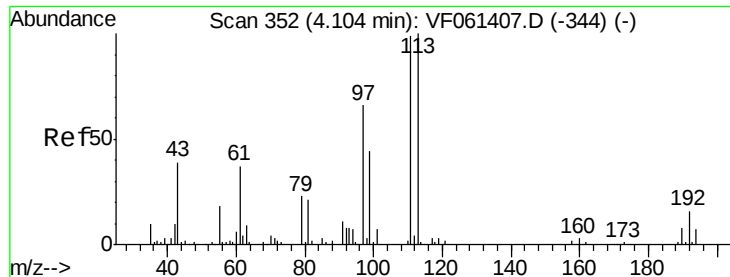


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

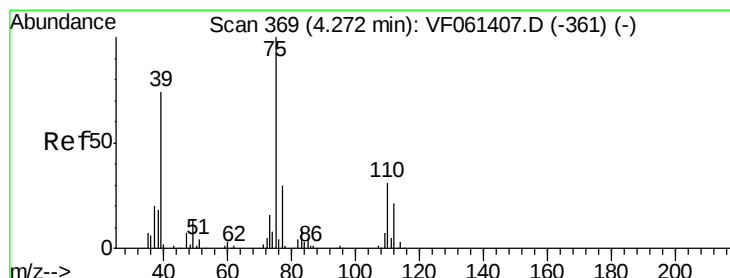
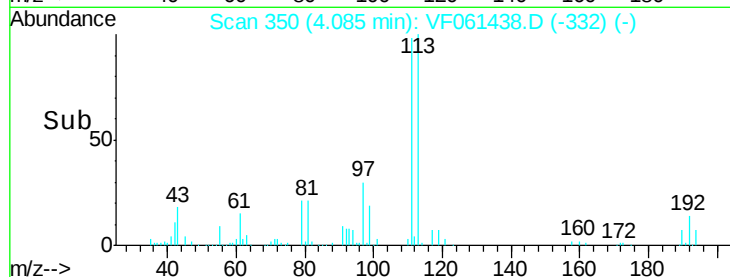
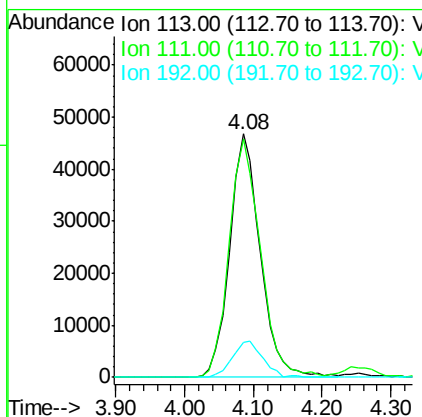
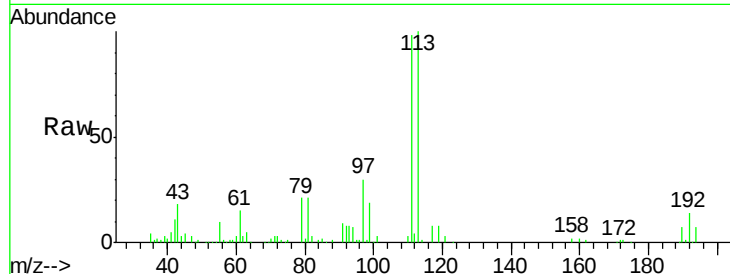




#35
 Dibromofluoromethane
 Concen: 50.126 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

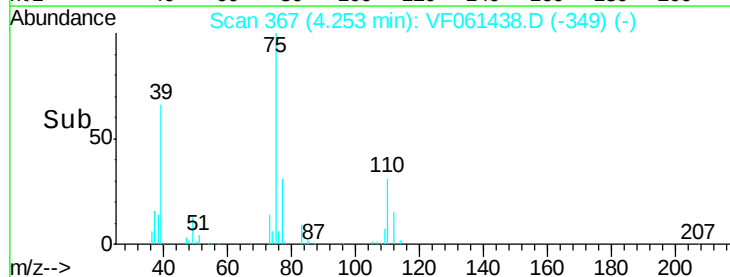
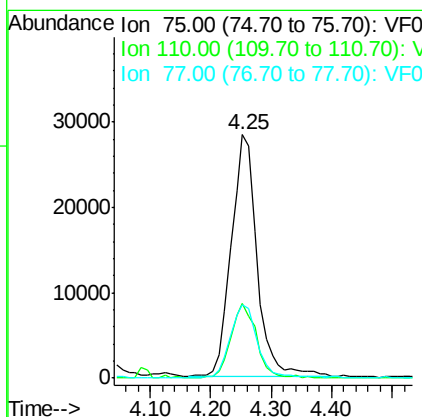
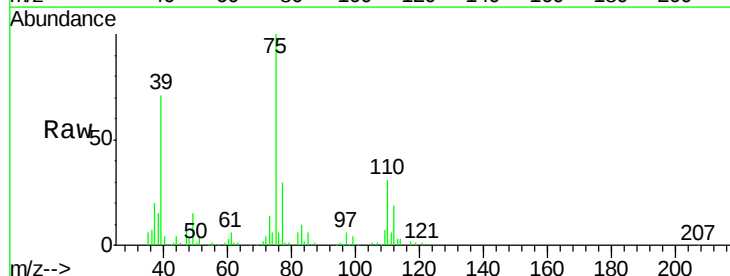
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

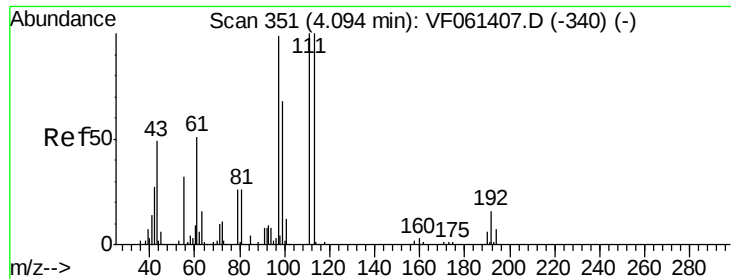
Tot Ion:113 Resp: 143548
 Ion Ratio Lower Upper
 113 100
 111 97.9 79.4 119.0
 192 14.5 12.4 18.6



#36
 1,1-Dichloropropene
 Concen: 19.928 ug/l
 RT: 4.25 min Scan# 367
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion: 75 Resp: 83852
 Ion Ratio Lower Upper
 75 100
 110 30.6 15.8 47.3
 77 30.2 24.0 36.0





#37

Ethyl Acetate

Concen: 19.778 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

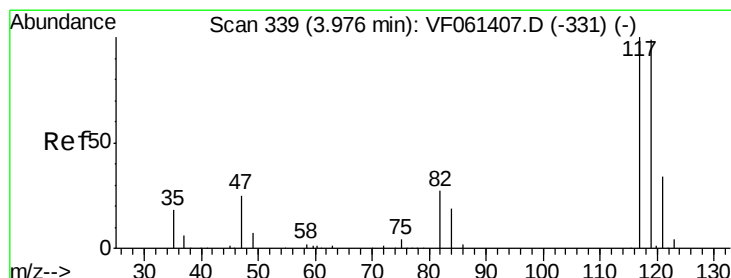
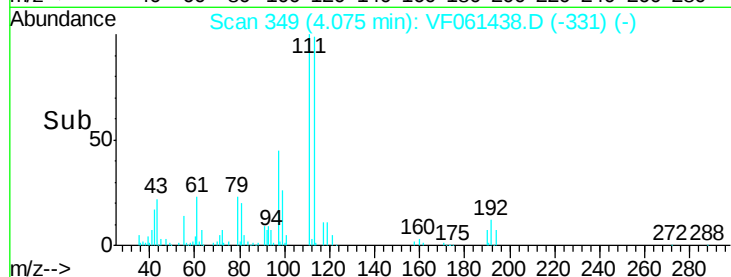
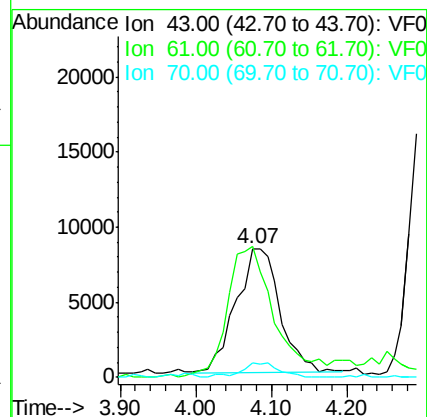
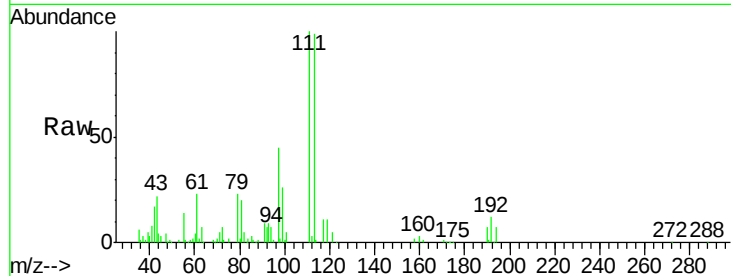
Tot Ion: 43 Resp: 33266

Ion Ratio Lower Upper

43 100

61 101.8 81.7 122.5

70 11.1 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 17.833 ug/l

RT: 3.97 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

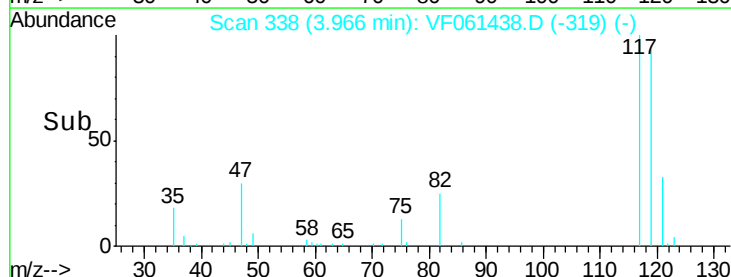
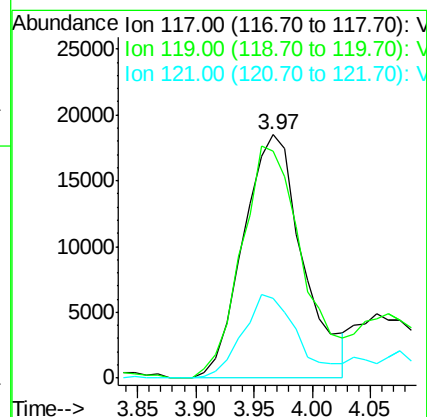
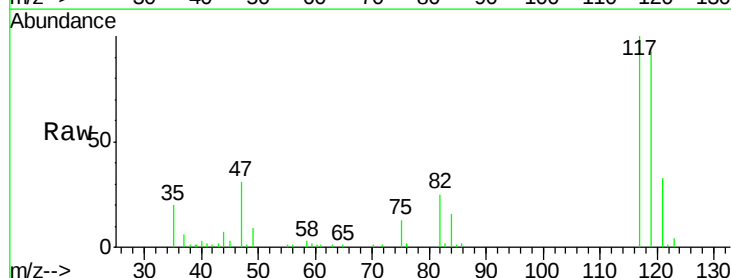
Tgt Ion: 117 Resp: 65603

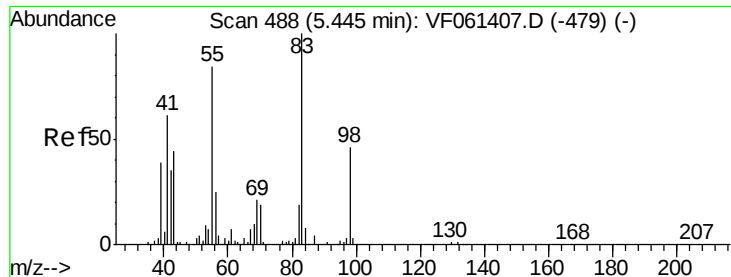
Ion Ratio Lower Upper

117 100

119 93.4 79.0 118.6

121 32.7 27.0 40.6

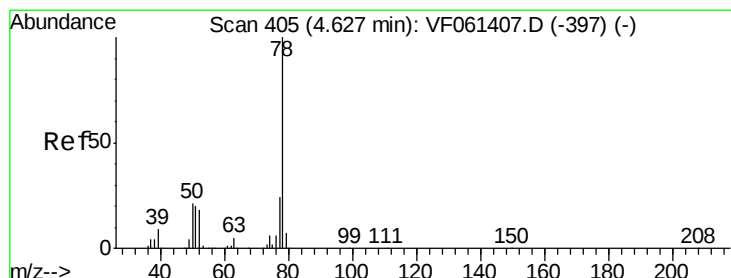
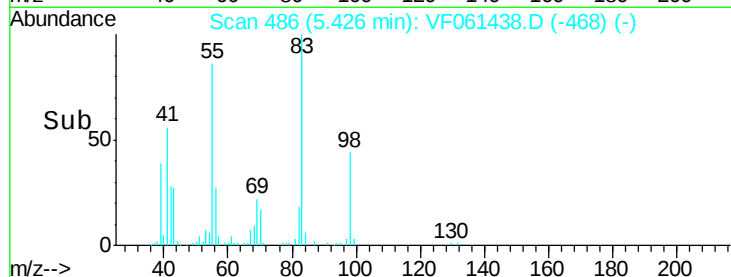
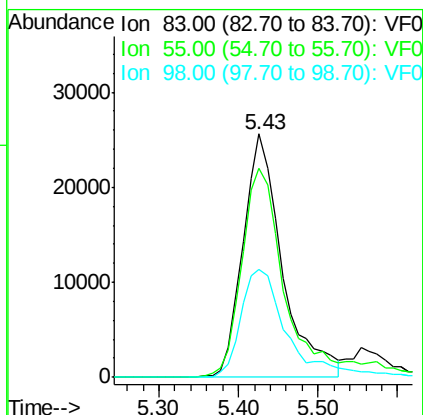
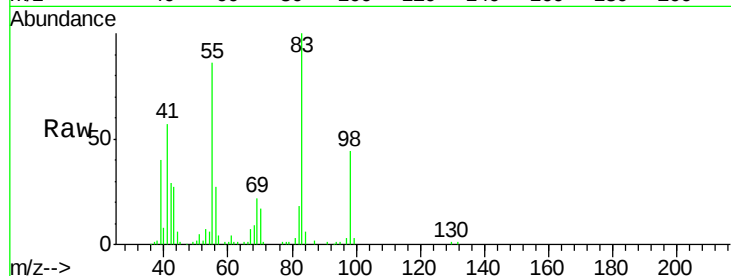




#39
Methvlcvclohexane
Concen: 19.240 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

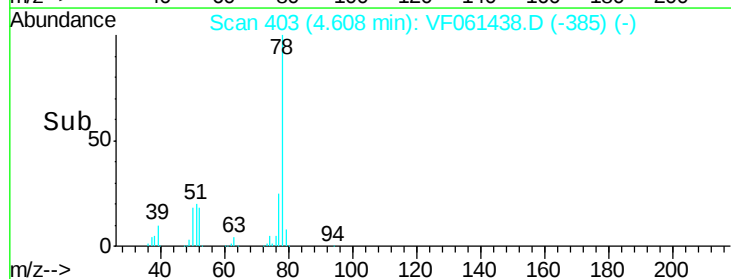
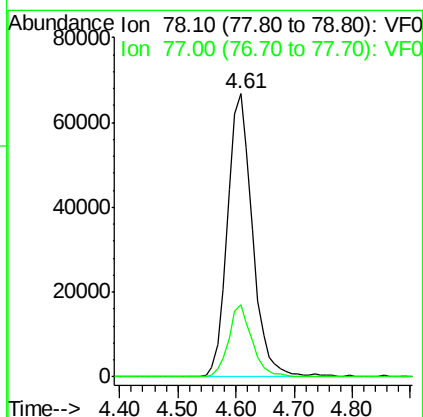
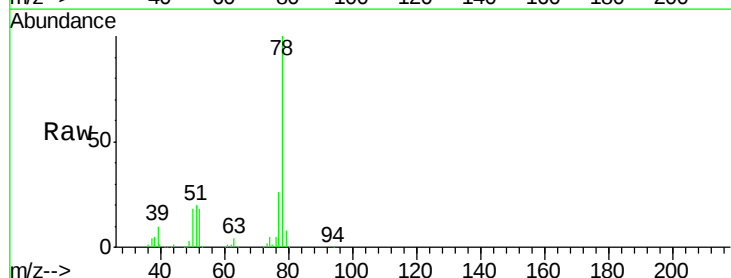
Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

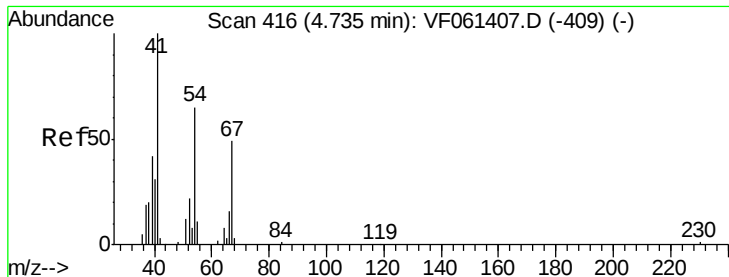
Tot Ion: 83 Resp: 87734
Ion Ratio Lower Upper
83 100
55 86.0 67.4 101.2
98 44.1 36.7 55.1



#40
Benzene
Concen: 21.271 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion: 78 Resp: 199162
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6

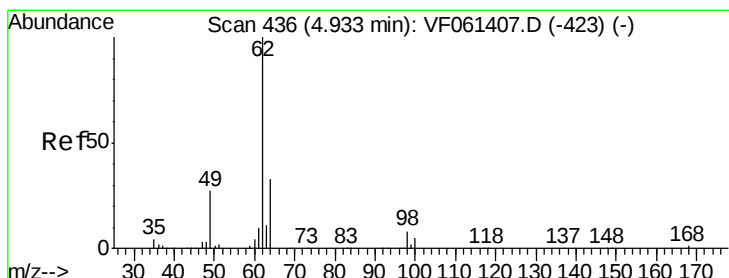
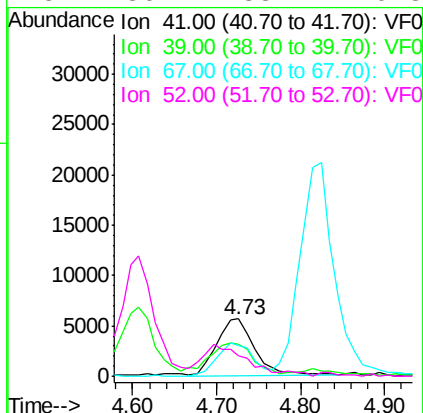
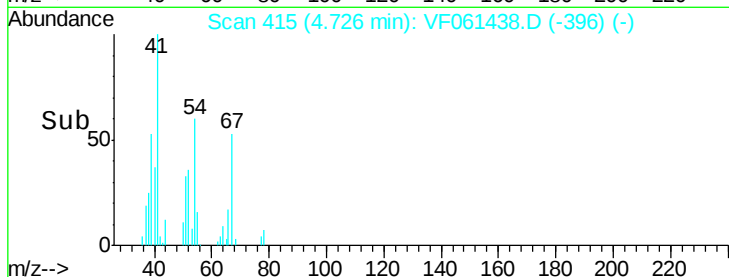
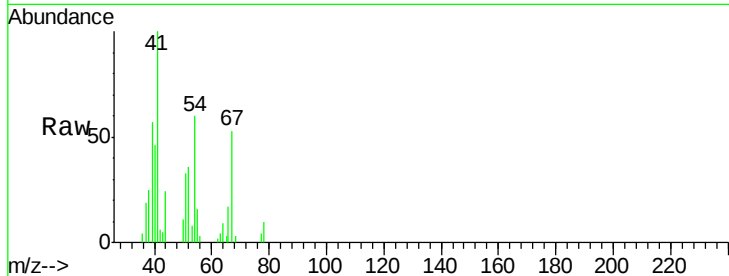




#41
Methacrylonitrile
Concen: 19.747 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

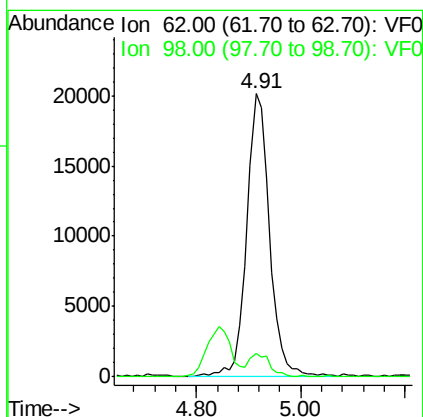
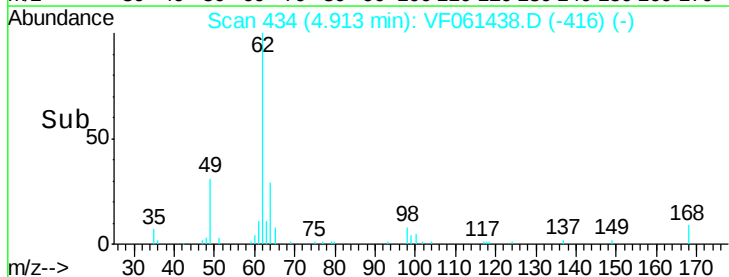
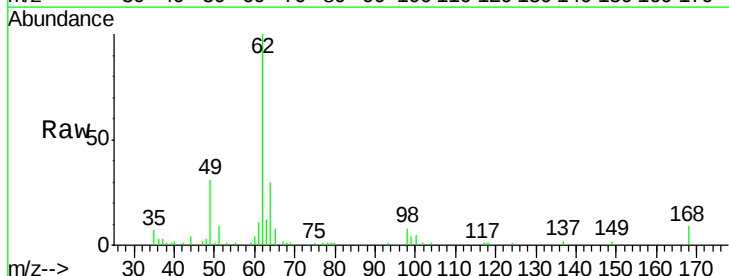
Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

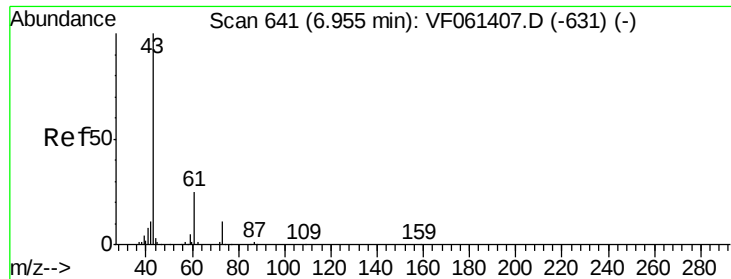
Tot Ion:	41	Resp:	17674
Ion	Ratio	Lower	Upper
41	100		
39	56.7	43.1	64.7
67	53.0	38.8	58.2
52	36.1	33.2	49.8



#42
1,2-Dichloroethane
Concen: 17.869 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:	62	Resp:	59619
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



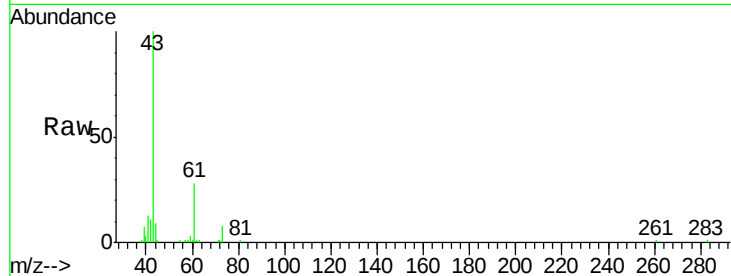


#43

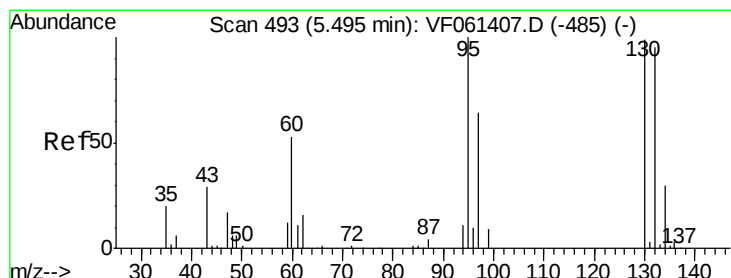
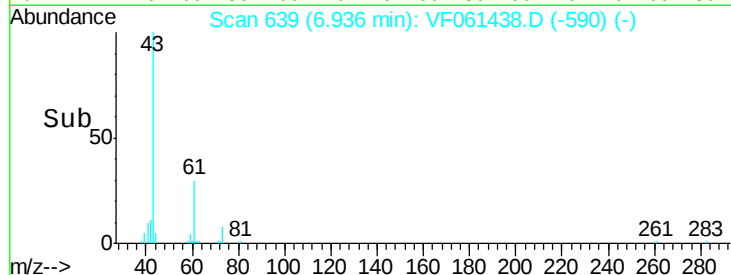
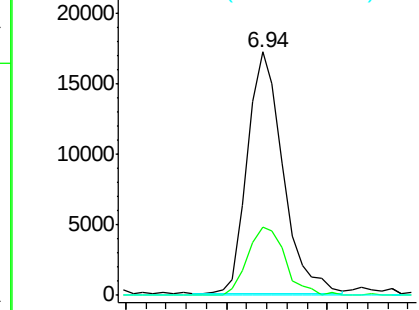
Isopropyl Acetate
 Concen: 20.146 ug/l
 RT: 6.94 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion: 43 Resp: 42529
 Ion Ratio Lower Upper
 43 100
 61 28.0 20.3 30.5
 87 0.0 0.5 0.7#



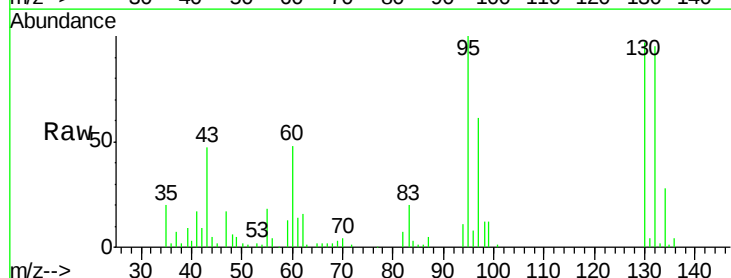
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



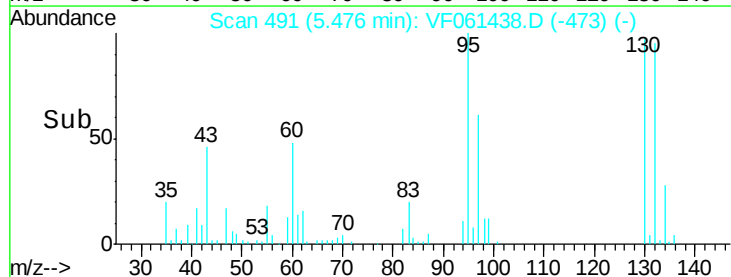
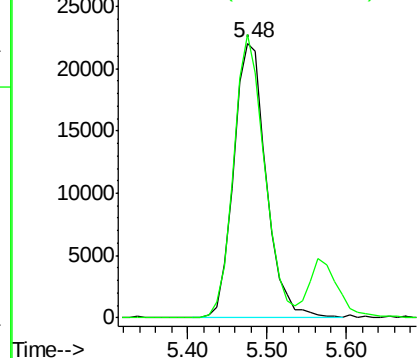
#44

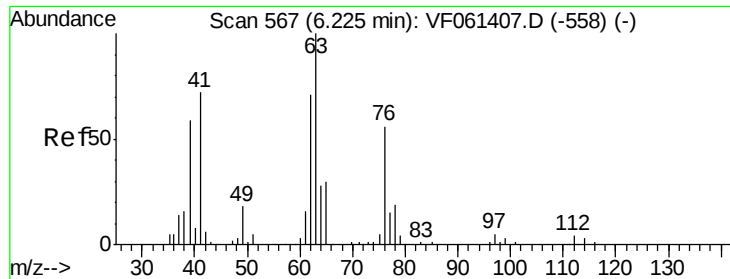
Trichloroethene
 Concen: 21.882 ug/l
 RT: 5.48 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion: 130 Resp: 62852
 Ion Ratio Lower Upper
 130 100
 95 102.9 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.596 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

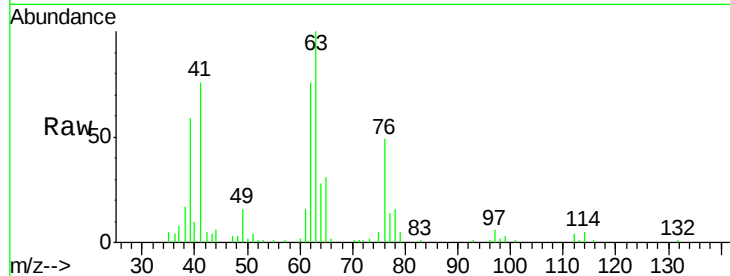
VF0117SBS01

Tot Ion: 63 Resp: 53071

Ion Ratio Lower Upper

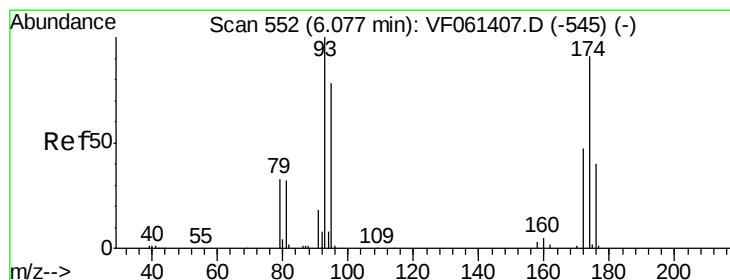
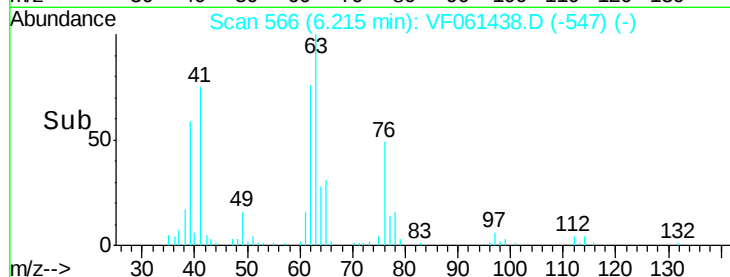
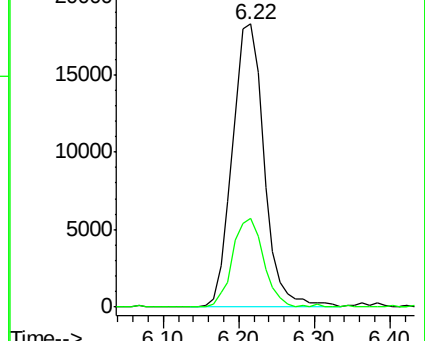
63 100

65 31.4 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.310 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

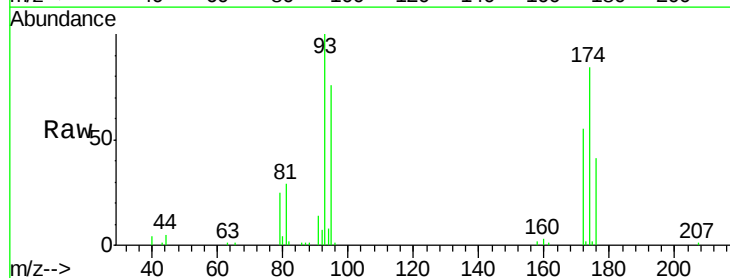
Tgt Ion: 93 Resp: 33186

Ion Ratio Lower Upper

93 100

95 76.2 62.1 93.1

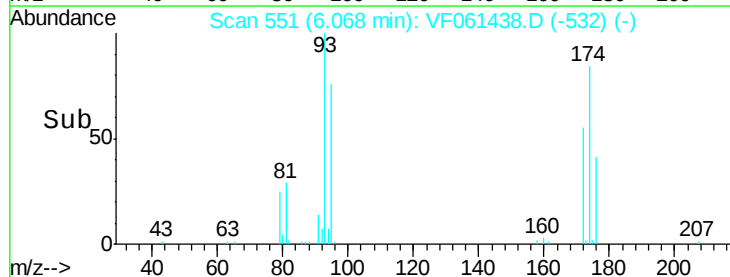
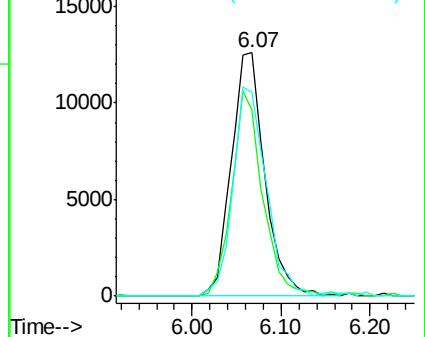
174 83.5 74.6 111.8

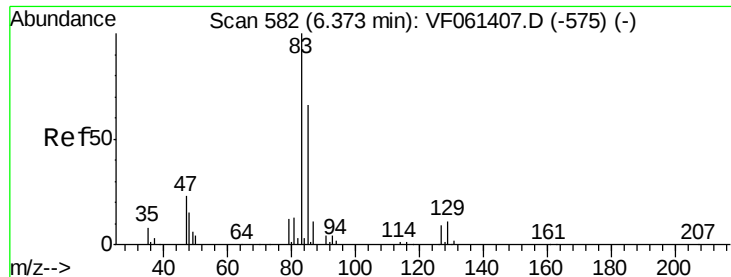


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.221 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

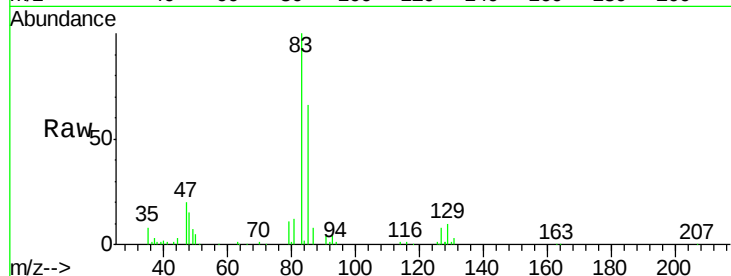
Tot Ion: 83 Resp: 81752

Ion Ratio Lower Upper

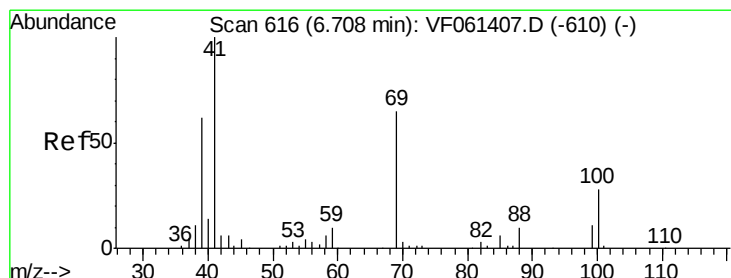
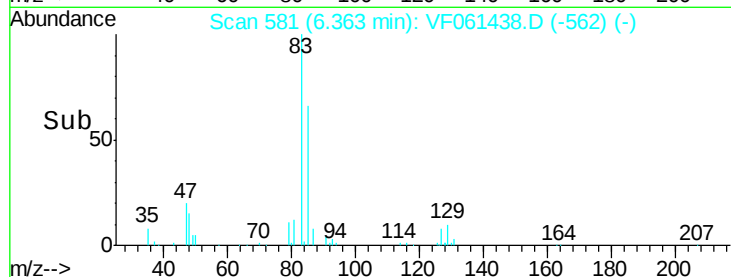
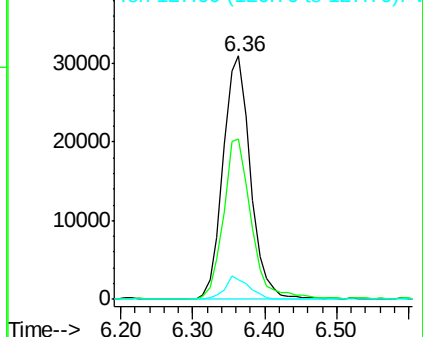
83 100

85 65.8 53.0 79.4

127 7.9 6.9 10.3



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: 20.585 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

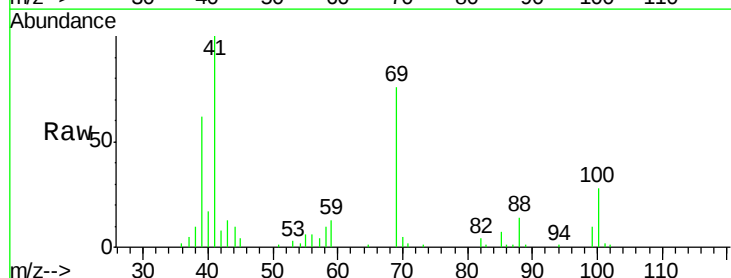
Tgt Ion: 41 Resp: 29180

Ion Ratio Lower Upper

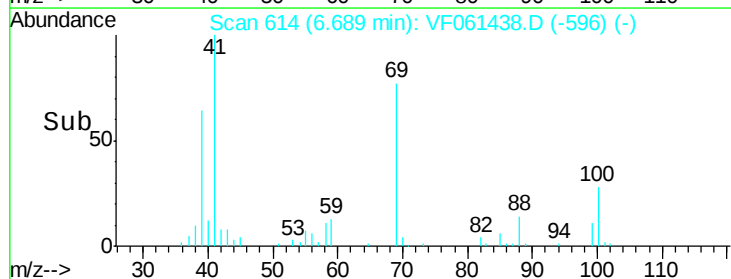
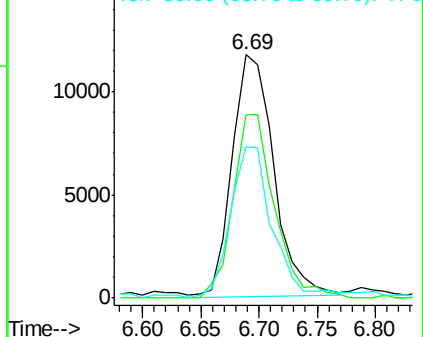
41 100

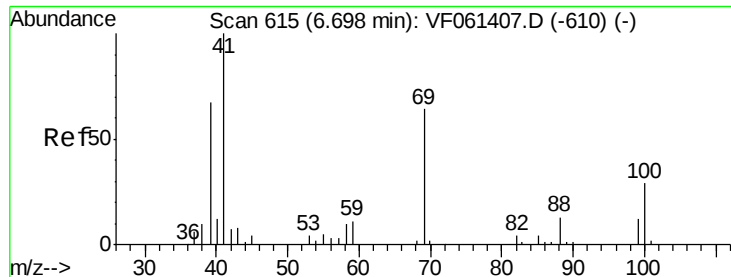
69 75.5 51.7 77.5

39 62.4 49.2 73.8



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: 391.076 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

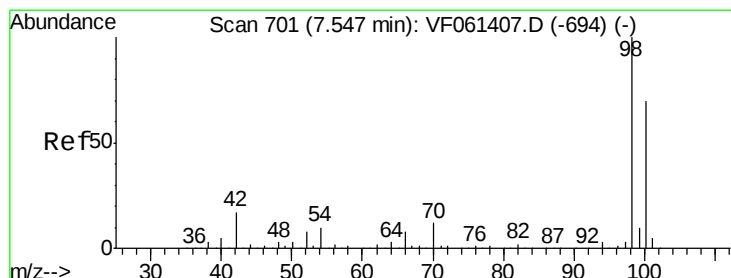
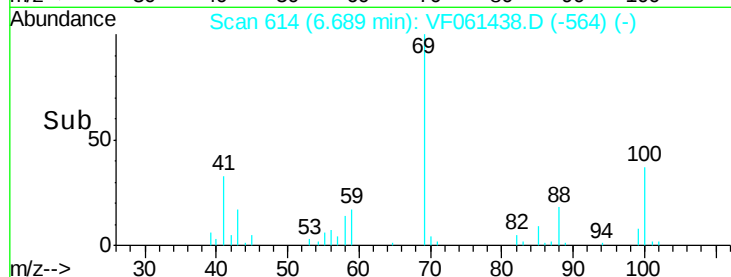
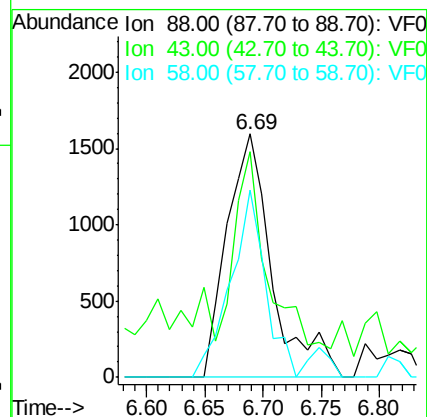
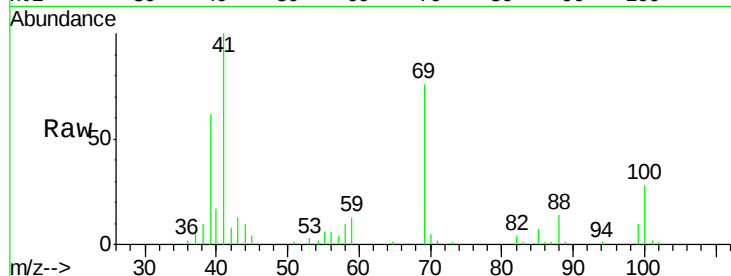
Tot Ion: 88 Resp: 4288

Ion Ratio Lower Upper

88 100

43 92.9 55.5 83.3#

58 76.7 59.9 89.9



#50

Toluene-d8

Concen: 52.052 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.02 min

Lab File: VF061438.D

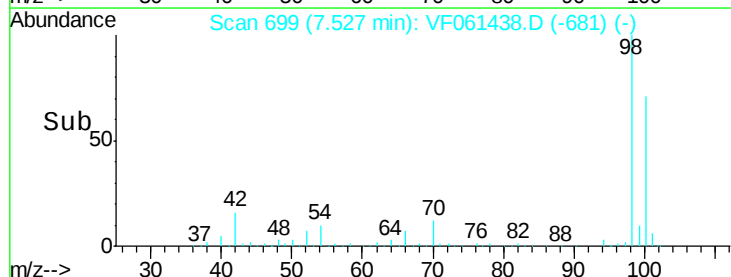
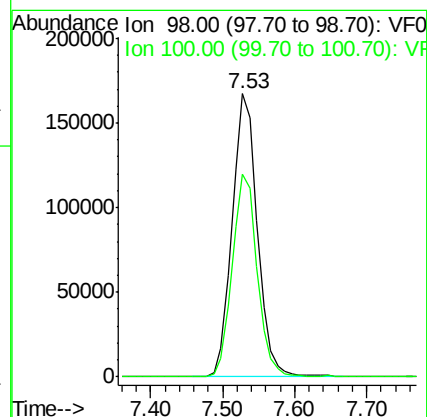
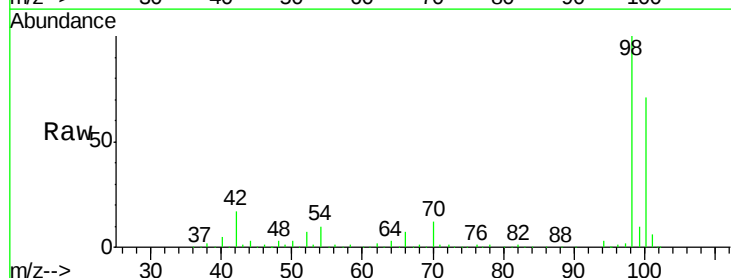
Acq: 17 Jan 2019 12:05

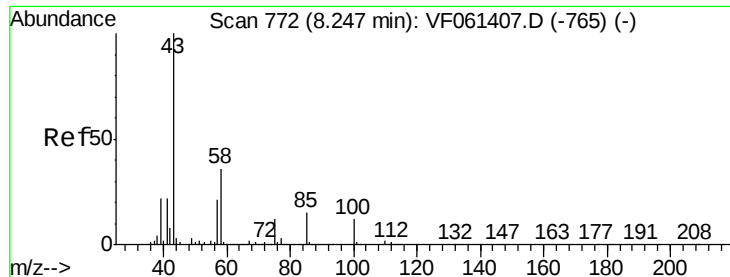
Tgt Ion: 98 Resp: 408403

Ion Ratio Lower Upper

98 100

100 71.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 111.218 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

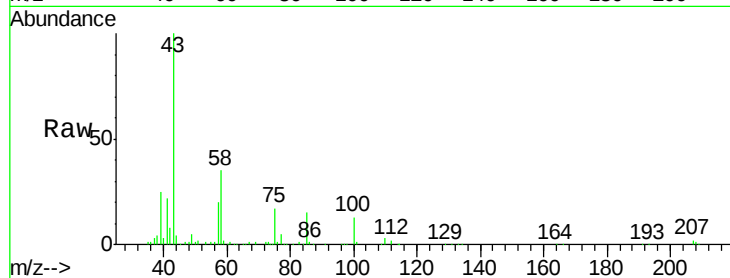
VF0117SBS01

Tot Ion: 43 Resp: 172605

Ion Ratio Lower Upper

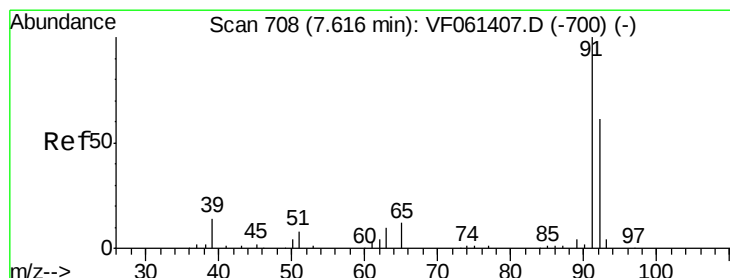
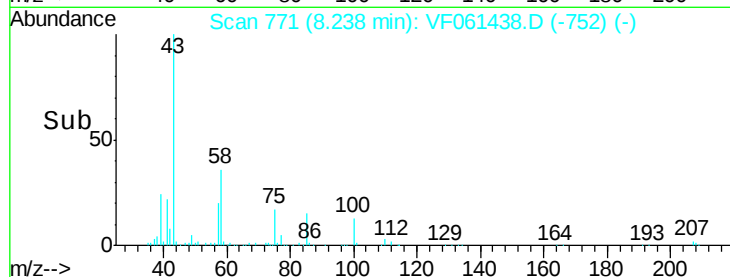
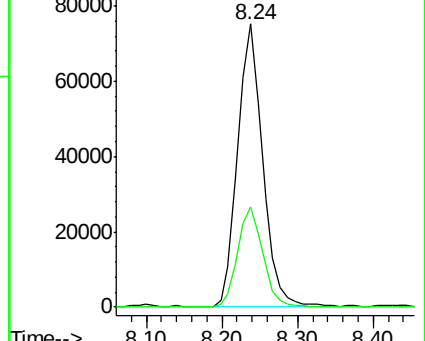
43 100

58 35.5 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.295 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061438.D

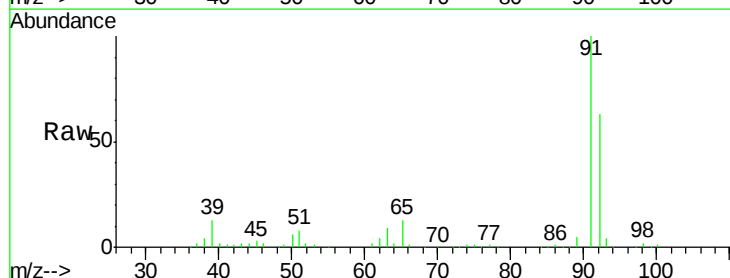
Acq: 17 Jan 2019 12:05

Tgt Ion: 92 Resp: 118975

Ion Ratio Lower Upper

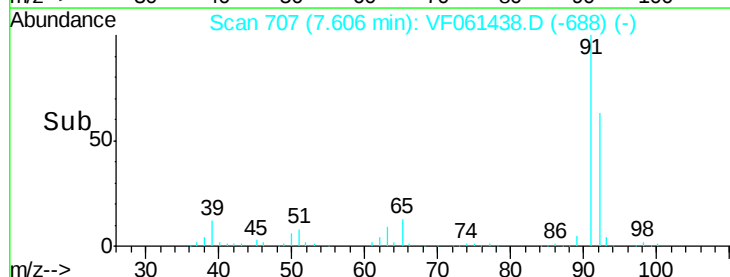
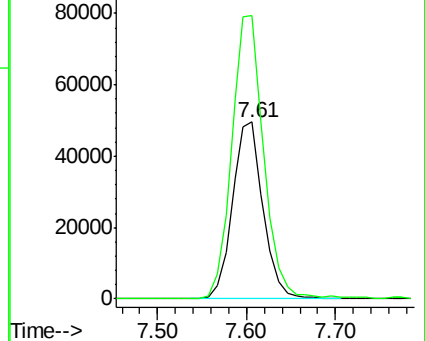
92 100

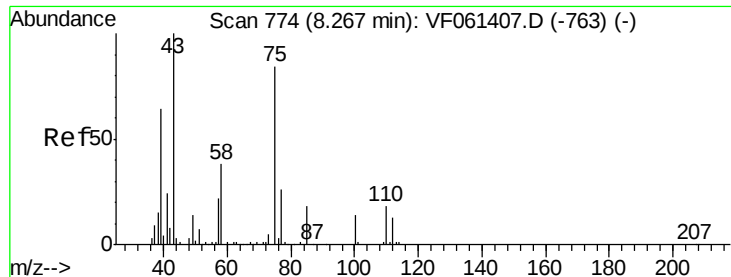
91 159.9 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.951 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

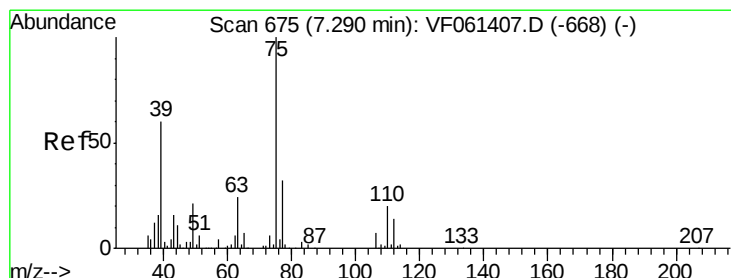
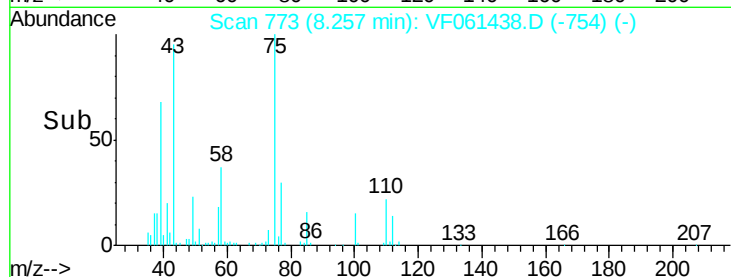
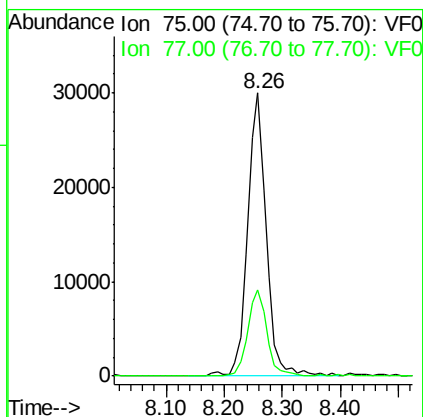
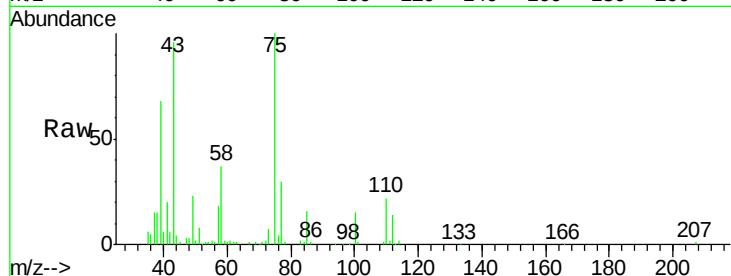
VF0117SBS01

Tot Ion: 75 Resp: 67259

Ion Ratio Lower Upper

75 100

77 30.4 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 21.930 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

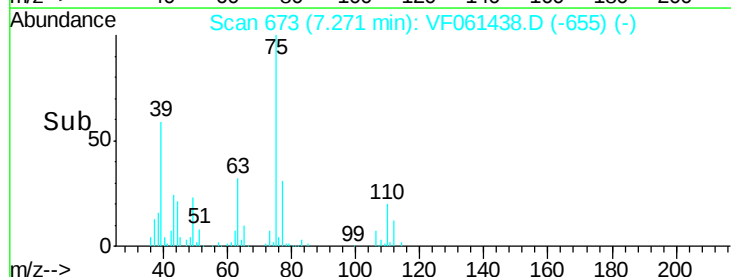
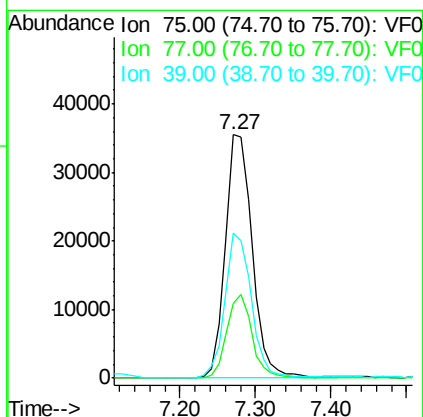
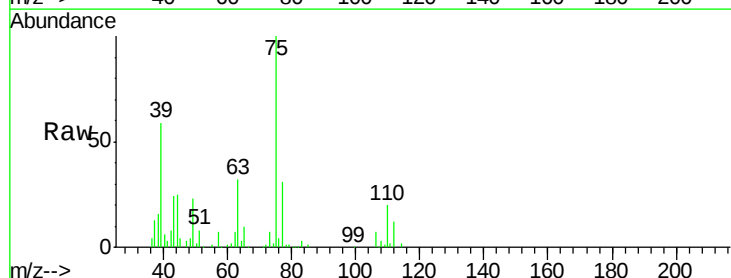
Tgt Ion: 75 Resp: 87998

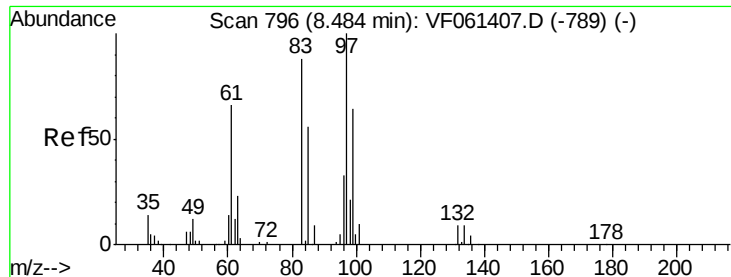
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 59.5 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 20.328 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

Tot Ion: 97 Resp: 35593

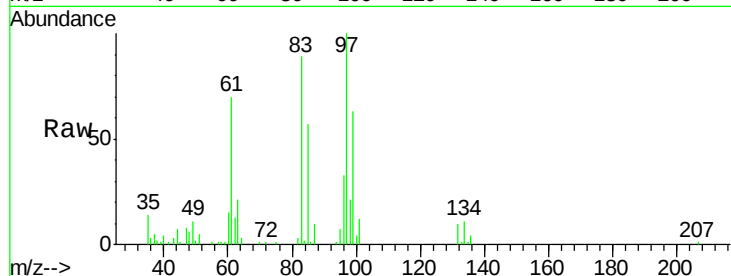
Ion Ratio Lower Upper

97 100

83 89.2 70.4 105.6

85 56.5 44.7 67.1

99 63.3 50.8 76.2

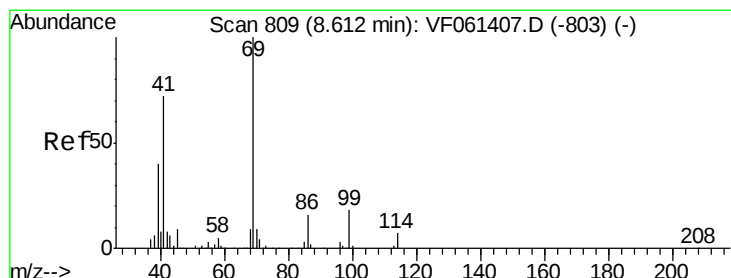
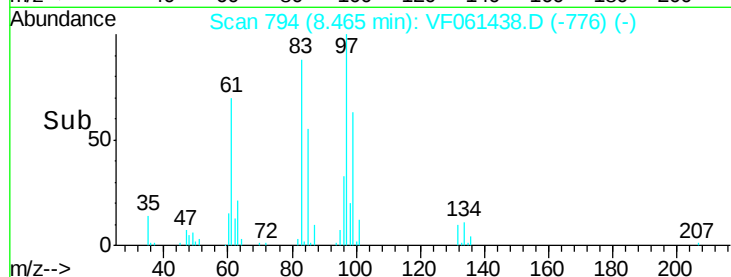
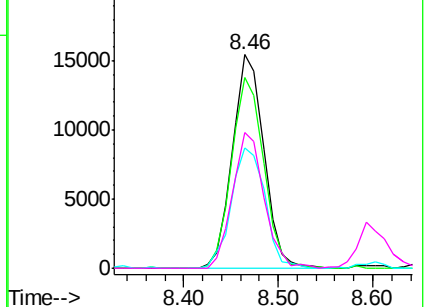


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.129 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

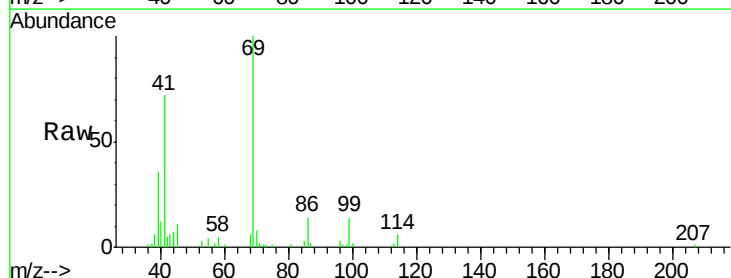
Tgt Ion: 69 Resp: 41005

Ion Ratio Lower Upper

69 100

41 72.5 57.5 86.3

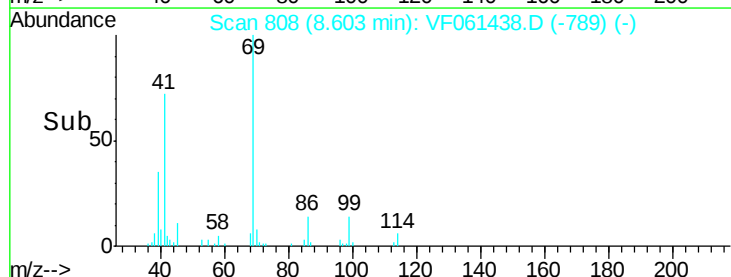
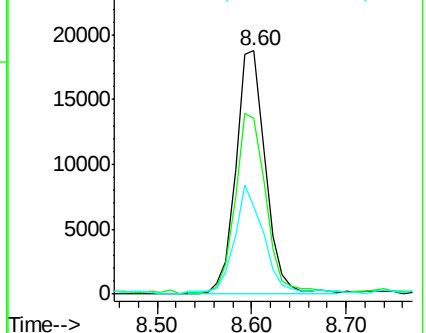
39 35.8 32.0 48.0

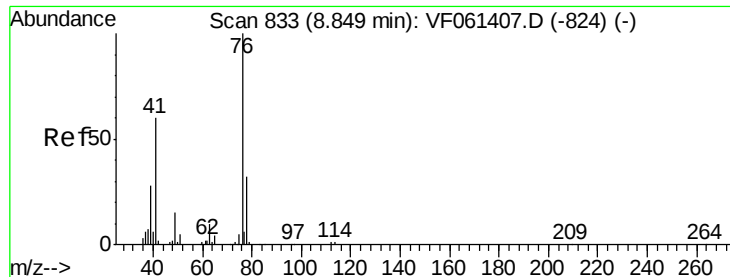


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.812 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

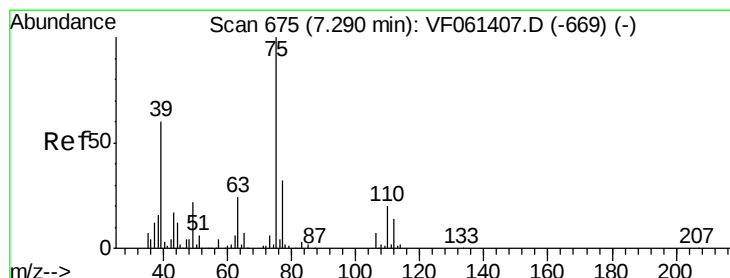
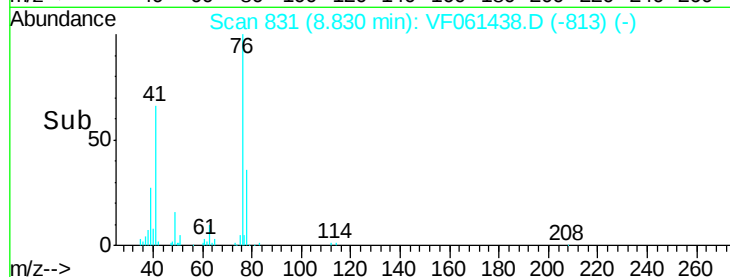
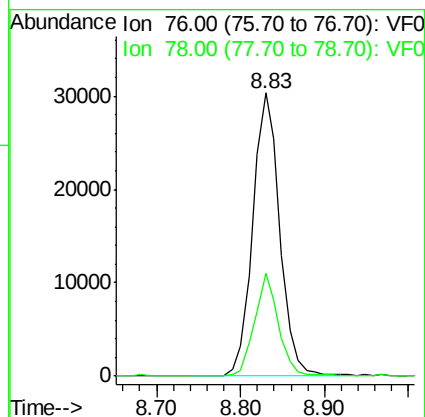
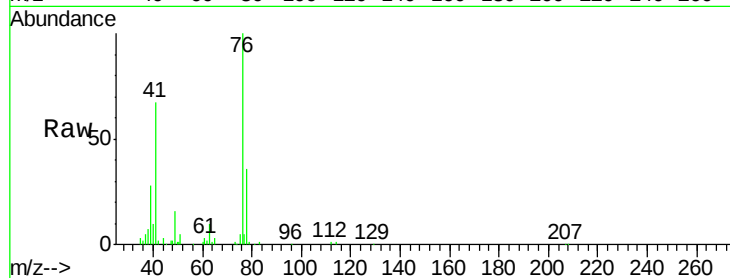
VF0117SBS01

Tot Ion: 76 Resp: 68303

Ion Ratio Lower Upper

76 100

78 36.2 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 144.320 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061438.D

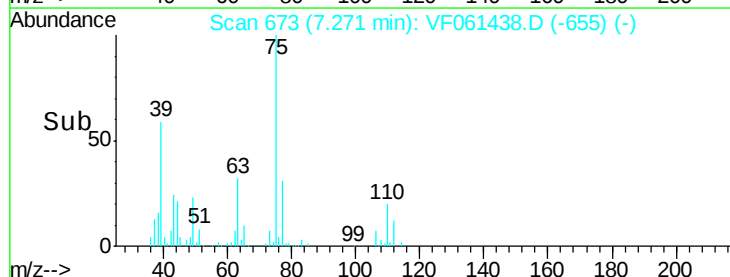
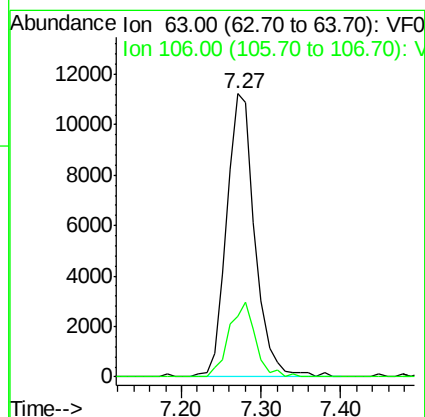
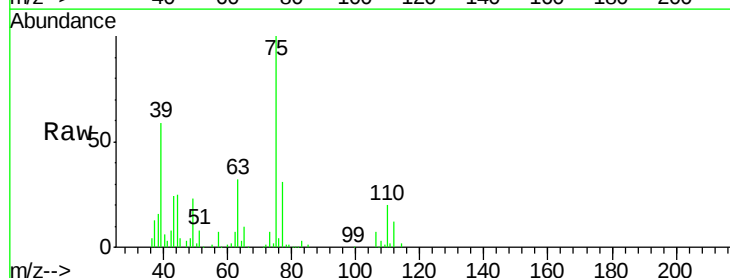
Acq: 17 Jan 2019 12:05

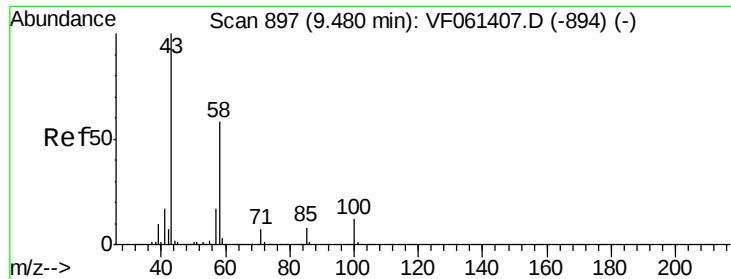
Tgt Ion: 63 Resp: 28037

Ion Ratio Lower Upper

63 100

106 21.5 21.9 32.9#

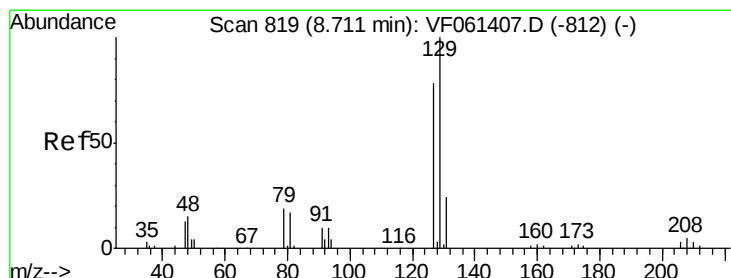
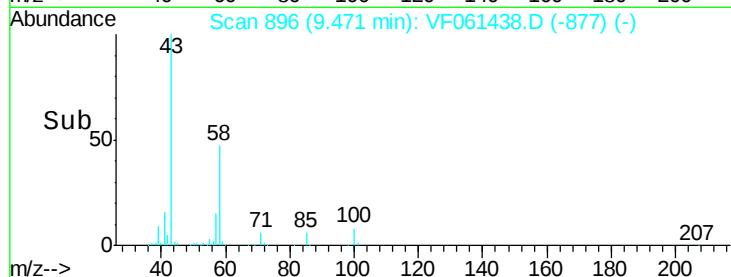
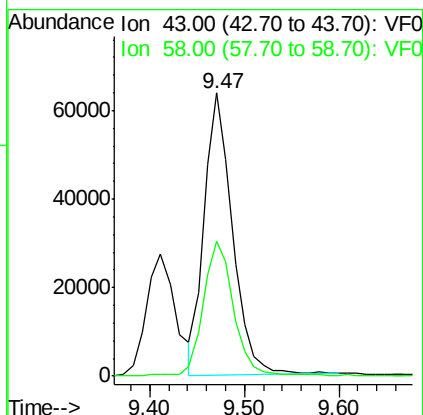
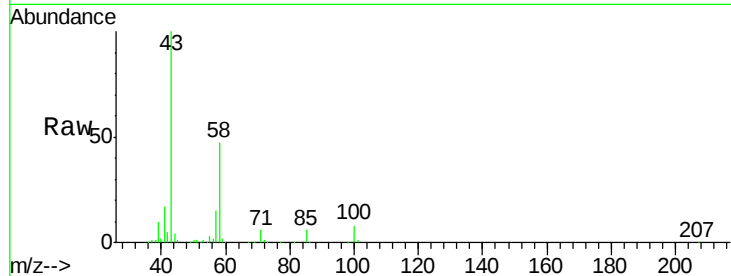




#59
2-Hexanone
Concen: 122.477 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

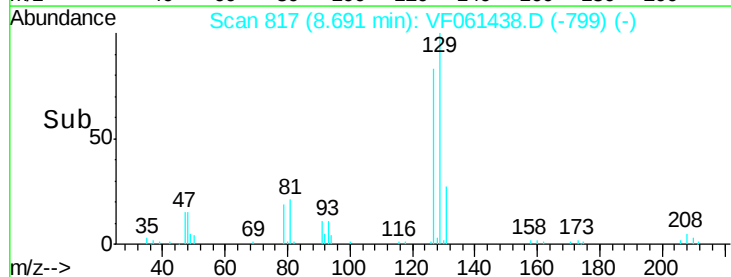
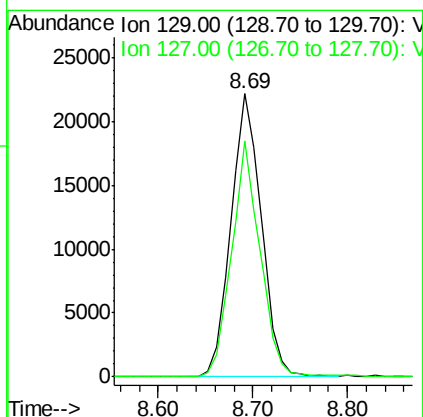
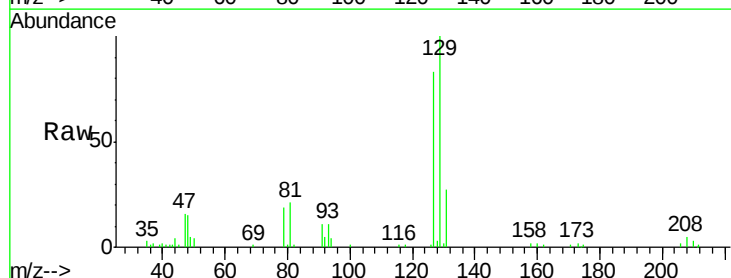
Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

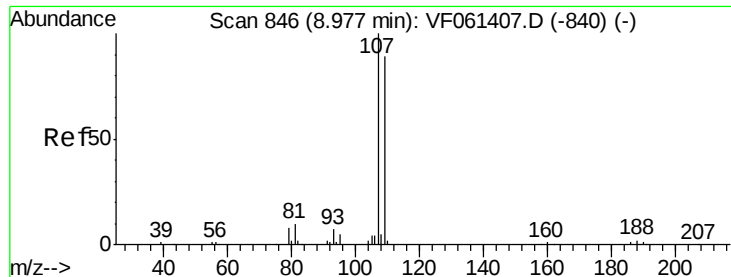
Tot Ion: 43 Resp: 132545
Ion Ratio Lower Upper
43 100
58 47.4 25.9 77.6



#60
Dibromochloromethane
Concen: 19.233 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:129 Resp: 49234
Ion Ratio Lower Upper
129 100
127 83.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.645 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

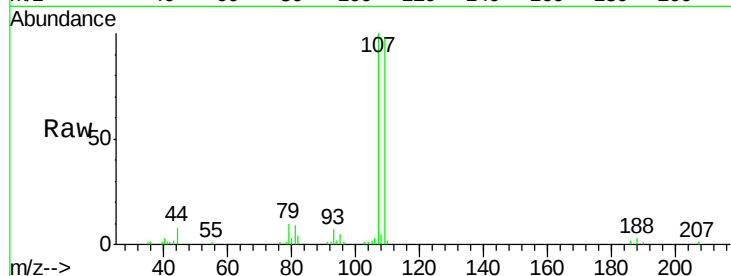
VF0117SBS01

Tot Ion:107 Resp: 39378

Ion Ratio Lower Upper

107 100

109 98.5 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

15000

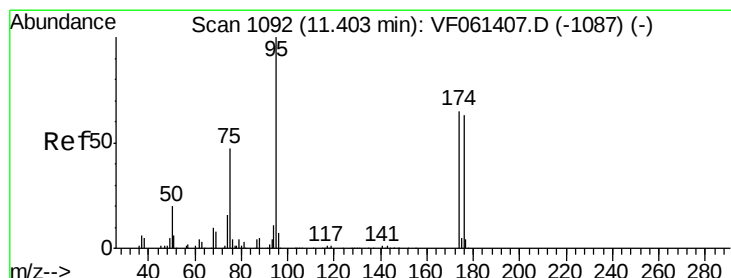
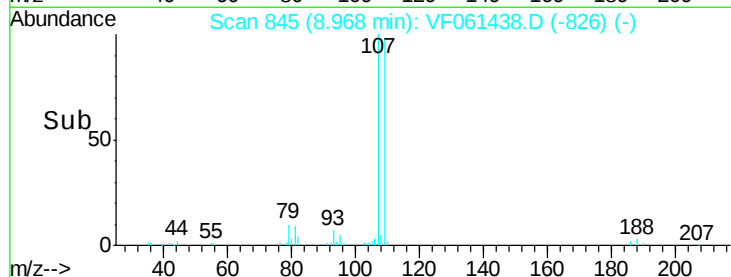
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 49.847 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

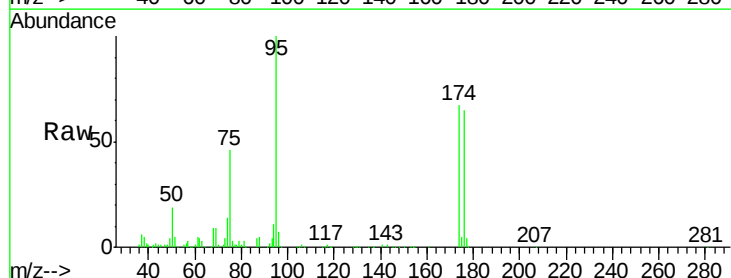
Tgt Ion: 95 Resp: 182734

Ion Ratio Lower Upper

95 100

174 67.3 0.0 130.4

176 64.5 0.0 126.2



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

11.39

150000

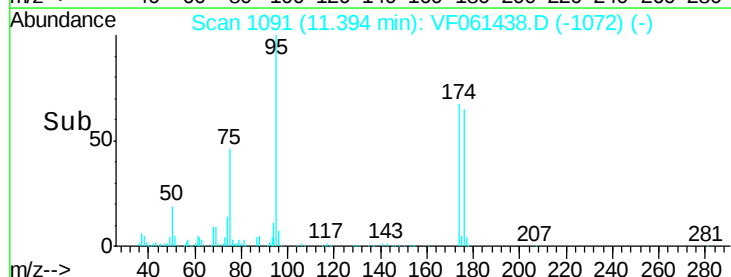
100000

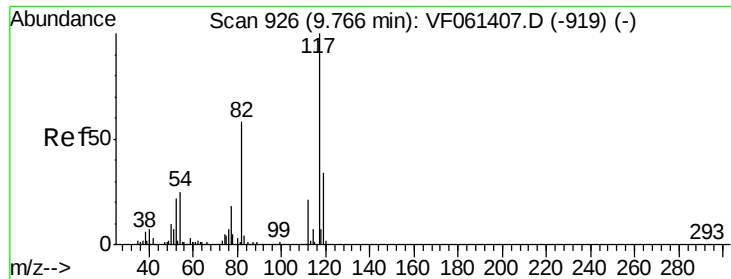
50000

0

Time-->

11.30 11.40 11.50

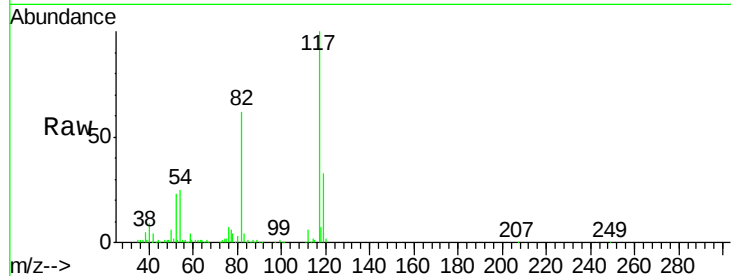




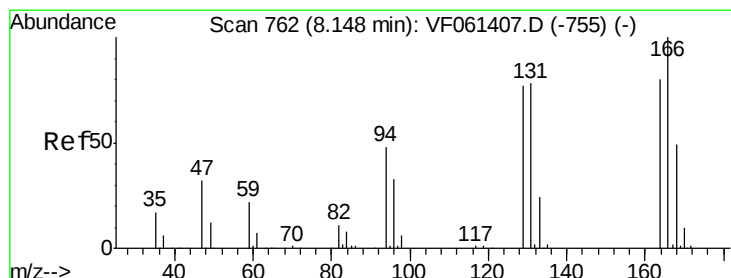
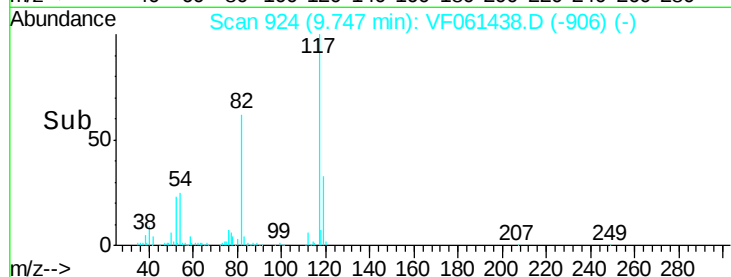
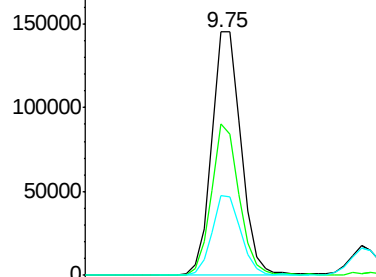
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 924
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion:117 Resp: 331155
Ion Ratio Lower Upper
117 100
82 62.0 46.4 69.6
119 32.6 27.2 40.8

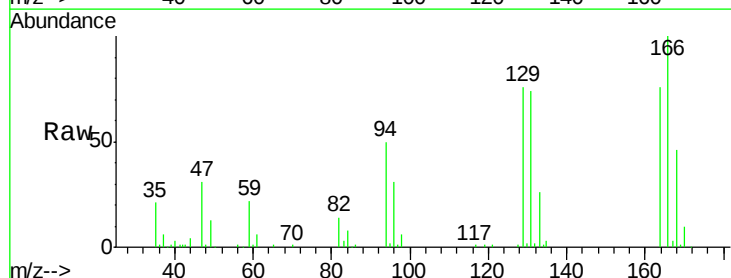


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

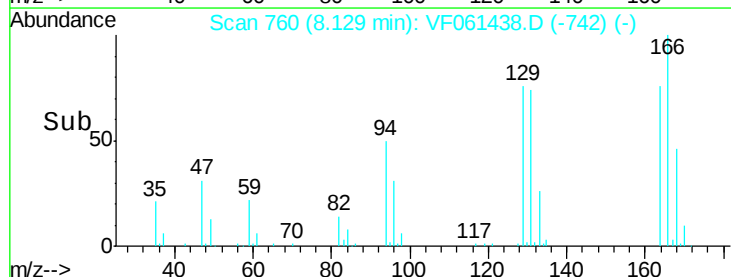
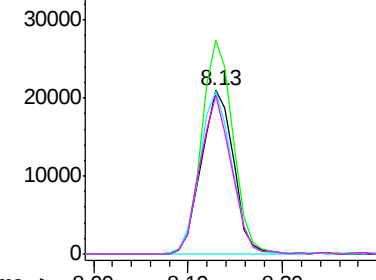


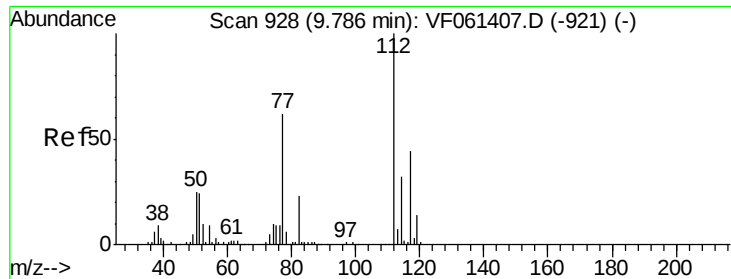
#64
Tetrachloroethene
Concen: 19.861 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:164 Resp: 49461
Ion Ratio Lower Upper
164 100
166 130.7 99.6 149.4
129 99.7 76.4 114.6
131 97.4 77.9 116.9



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

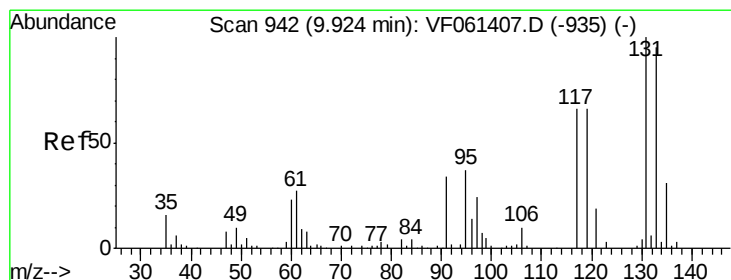
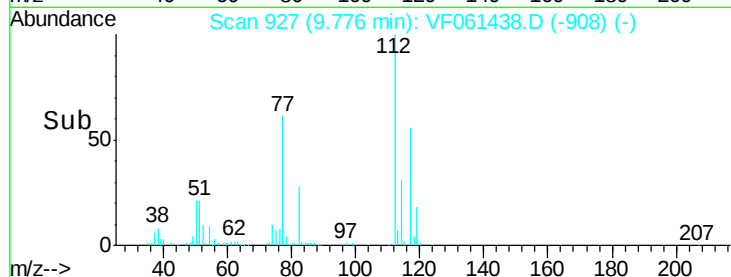
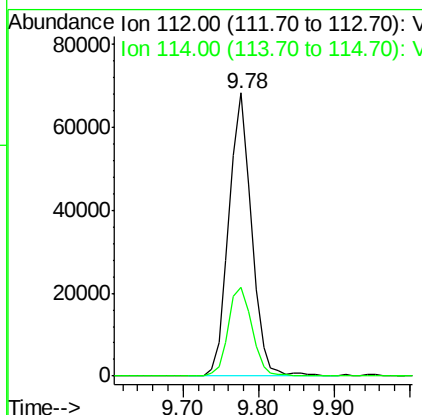
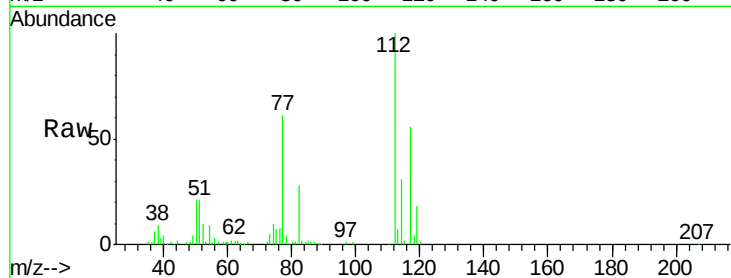




#65
Chlorobenzene
Concen: 21.089 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

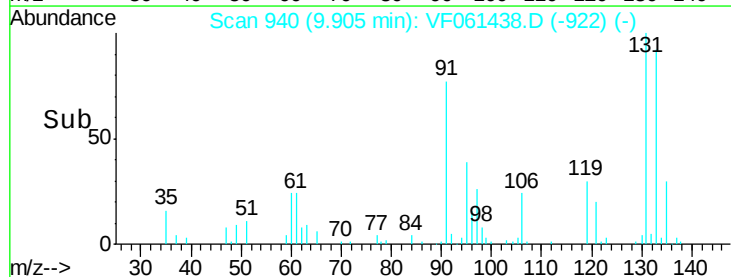
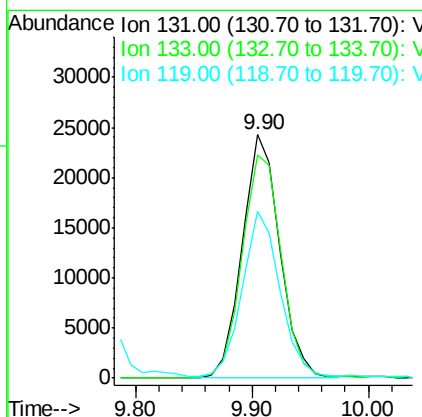
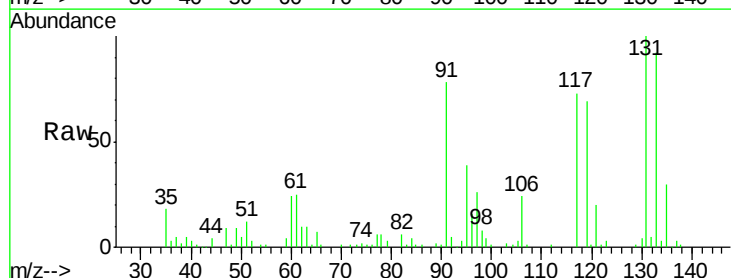
Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

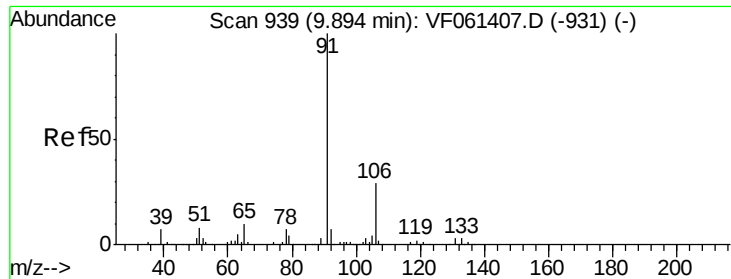
Tot Ion:112 Resp: 142017
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.201 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:131 Resp: 54192
Ion Ratio Lower Upper
131 100
133 91.8 47.4 142.2
119 68.6 33.1 99.3





#67

Ethyl Benzene

Concen: 20.629 ug/l

RT: 9.88 min Scan# 937

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

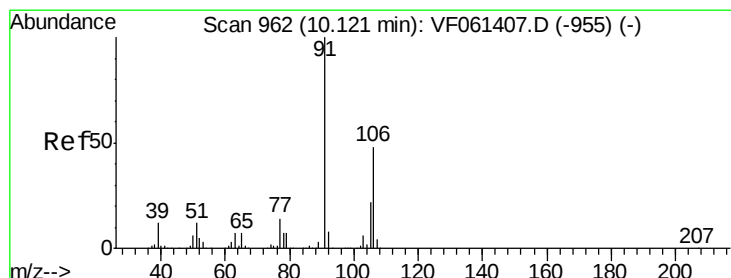
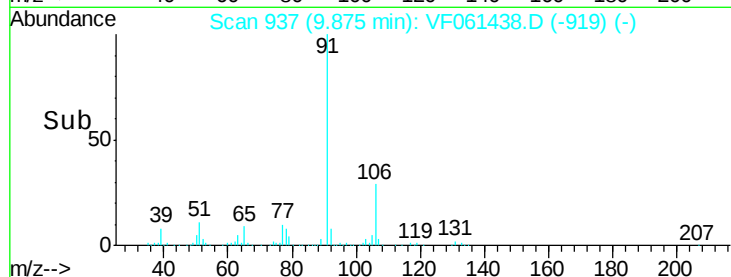
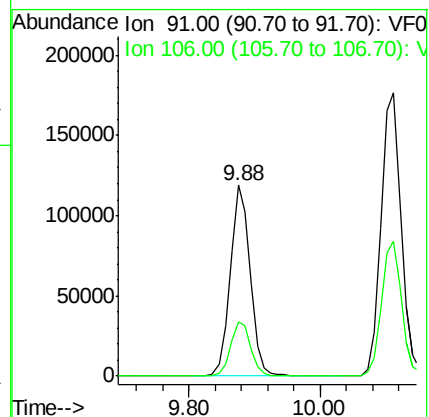
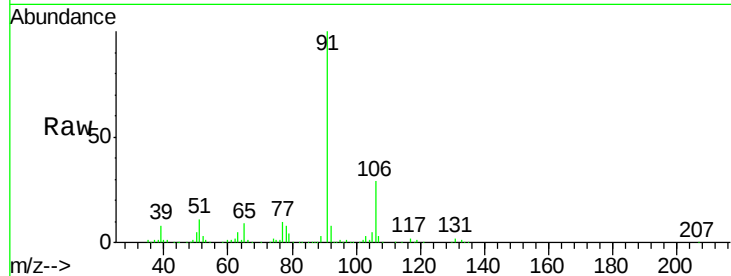
VF0117SBS01

Tot Ion: 91 Resp: 253813

Ion Ratio Lower Upper

91 100

106 28.8 23.1 34.7



#68

m/p-Xylenes

Concen: 40.869 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF061438.D

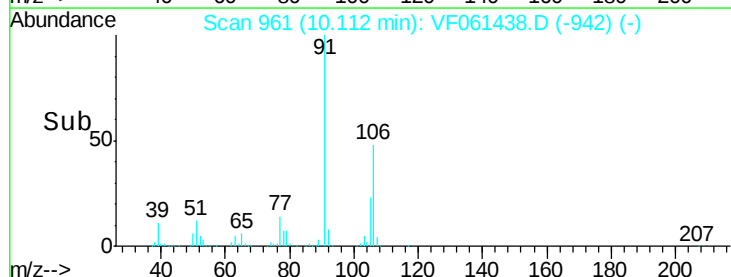
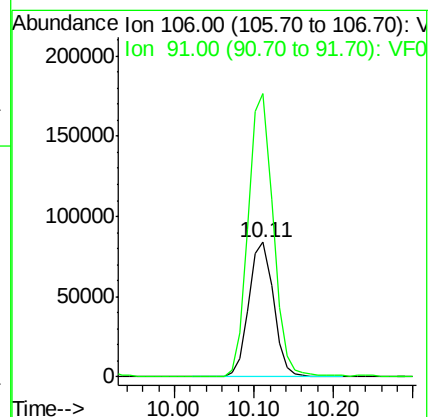
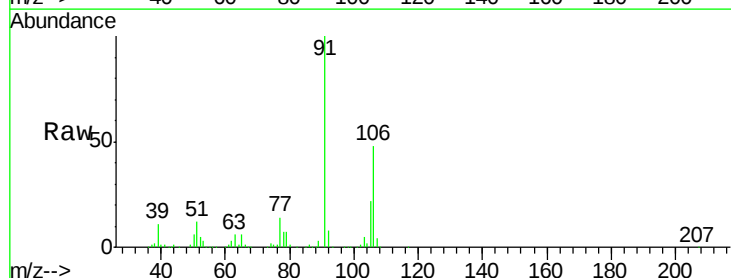
Acq: 17 Jan 2019 12:05

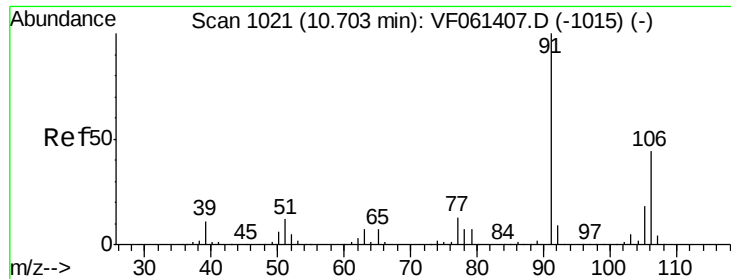
Tgt Ion: 106 Resp: 180856

Ion Ratio Lower Upper

106 100

91 210.3 166.2 249.4

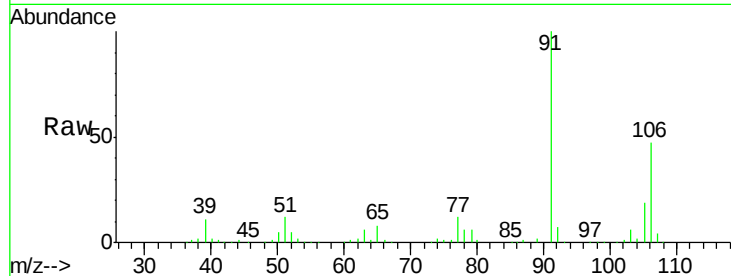




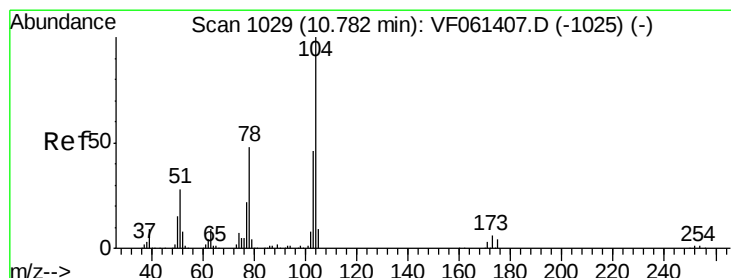
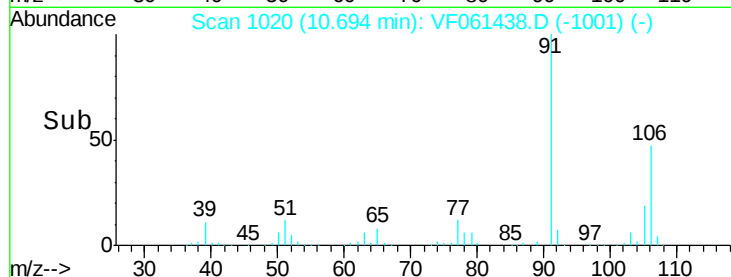
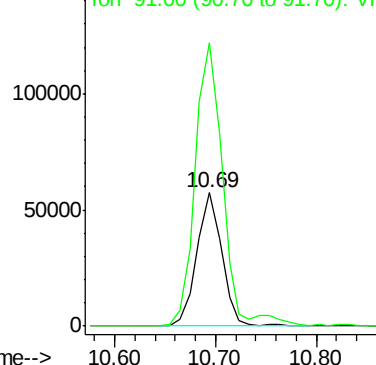
#69
o-Xylene
Concen: 20.813 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion:106 Resp: 99825
Ion Ratio Lower Upper
106 100
91 212.0 113.3 339.8

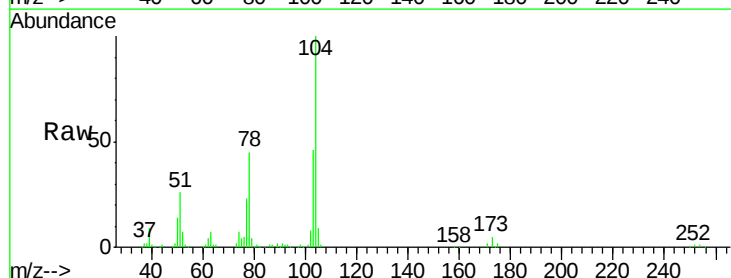


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

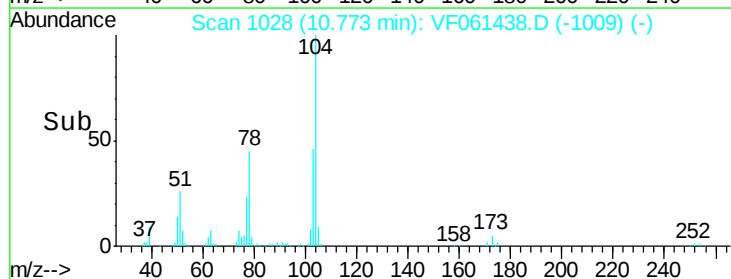
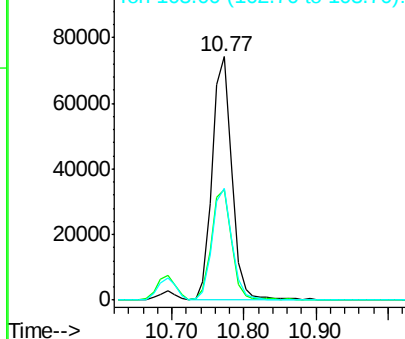


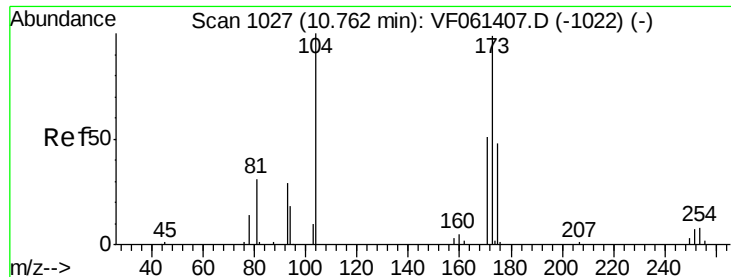
#70
Styrene
Concen: 21.122 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:104 Resp: 138672
Ion Ratio Lower Upper
104 100
78 45.5 38.8 58.2
103 45.8 37.0 55.6



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: 20.576 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

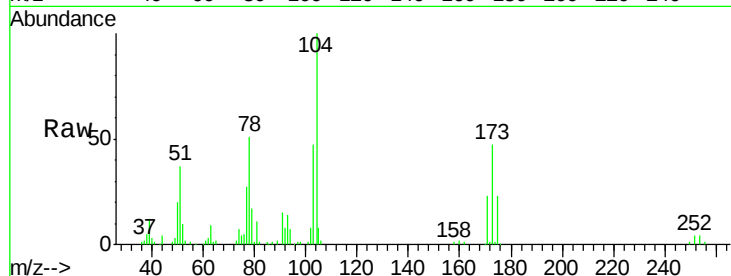
Tot Ion:173 Resp: 24801

Ion Ratio Lower Upper

173 100

175 50.6 24.1 72.4

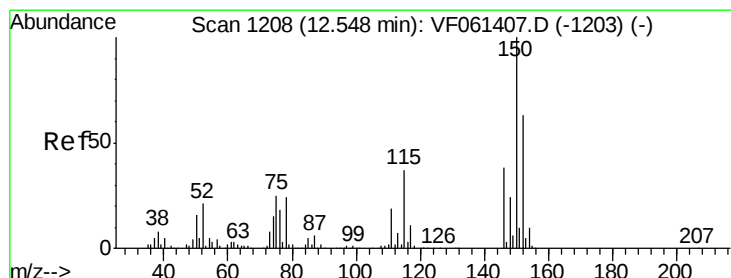
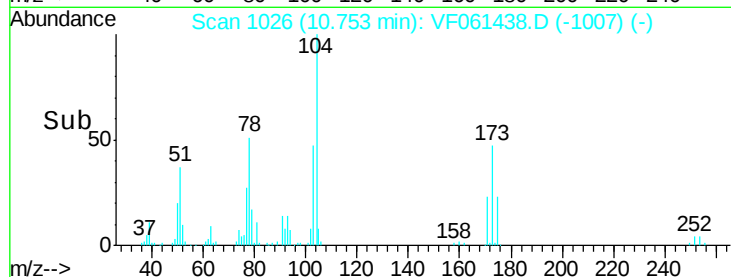
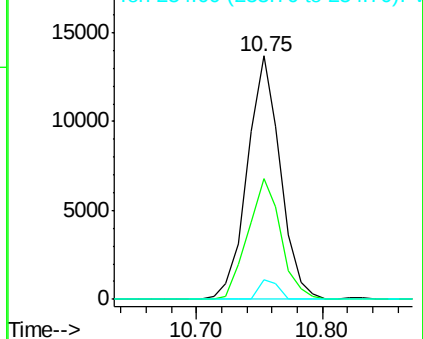
254 8.0 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

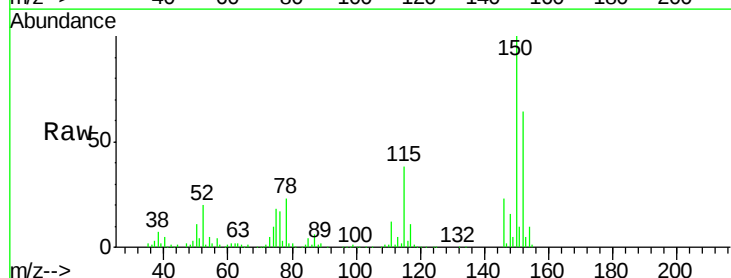
Tgt Ion:152 Resp: 161651

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

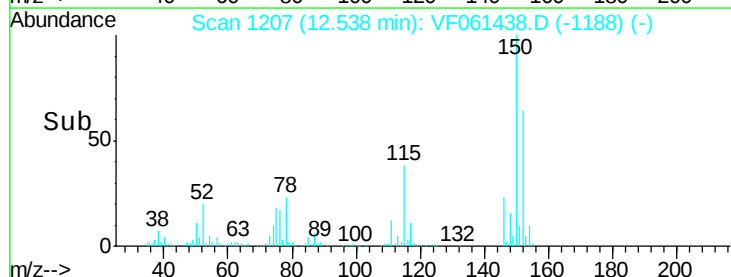
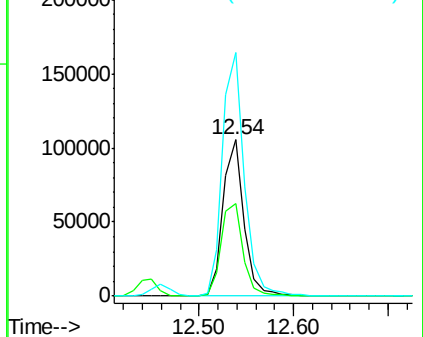
150 155.9 0.0 321.4

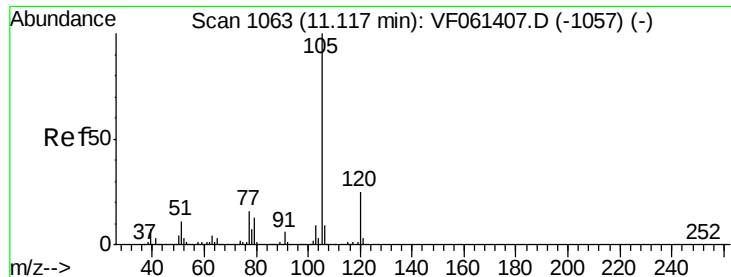


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.011 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

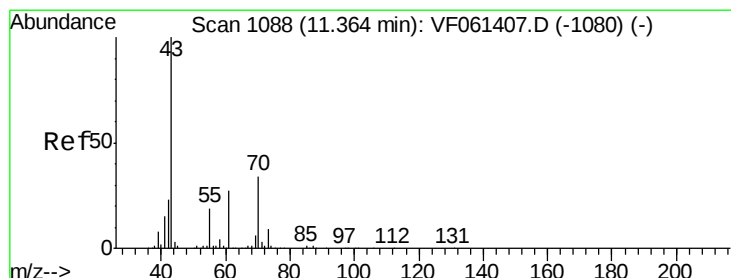
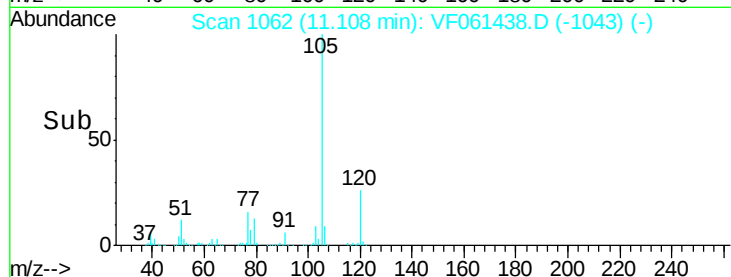
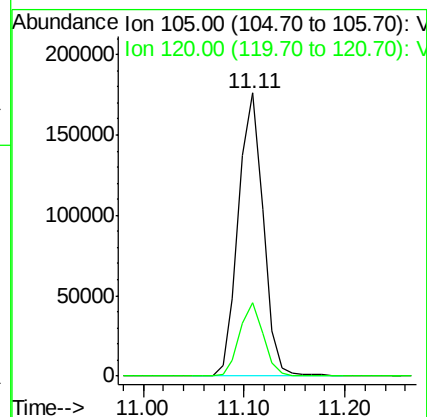
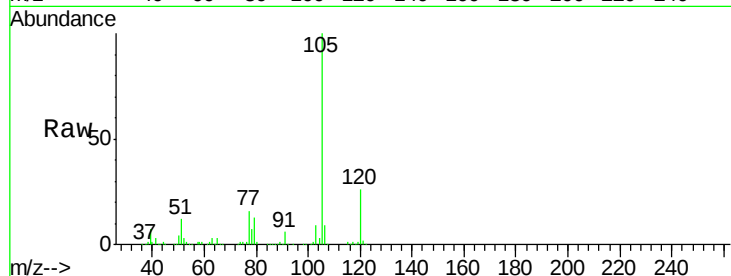
VF0117SBS01

Tot Ion:105 Resp: 302539

Ion Ratio Lower Upper

105 100

120 26.0 12.6 37.8



#74

N-ethyl acetate

Concen: 24.757 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Tgt Ion: 43 Resp: 76967

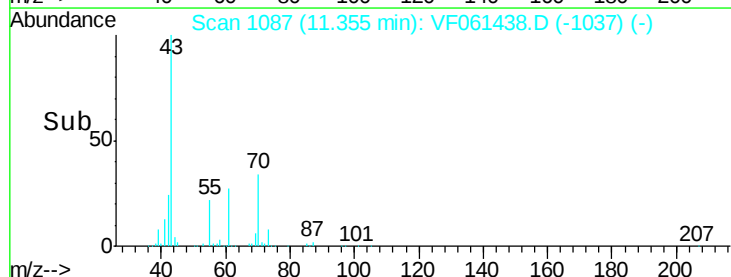
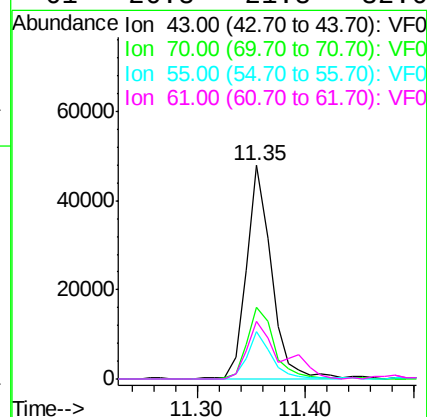
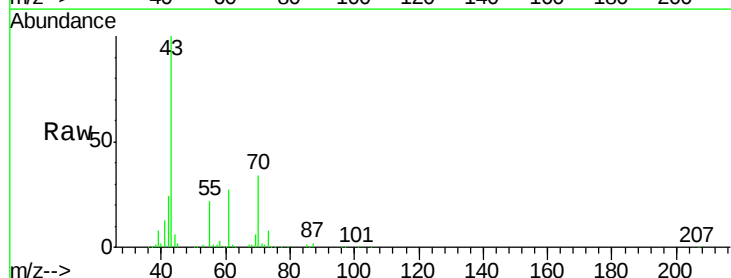
Ion Ratio Lower Upper

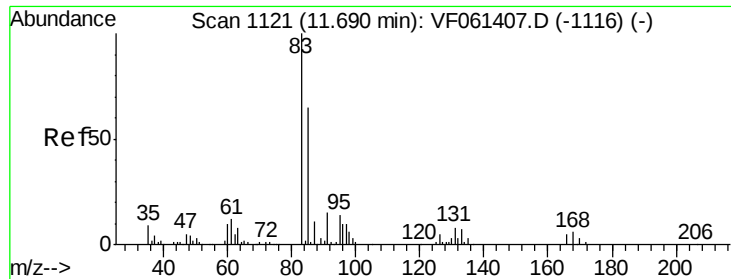
43 100

70 33.8 27.6 41.4

55 21.9 15.4 23.2

61 26.8 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.594 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

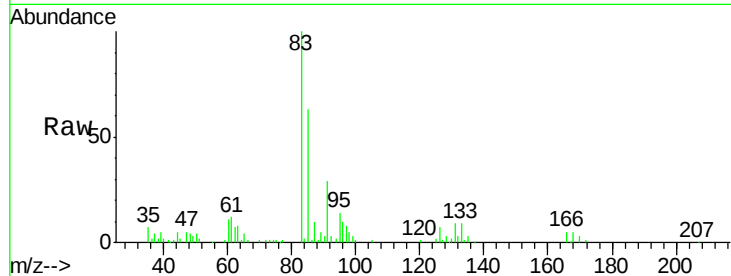
Tot Ion: 83 Resp: 52919

Ion Ratio Lower Upper

83 100

131 9.2 4.0 12.2

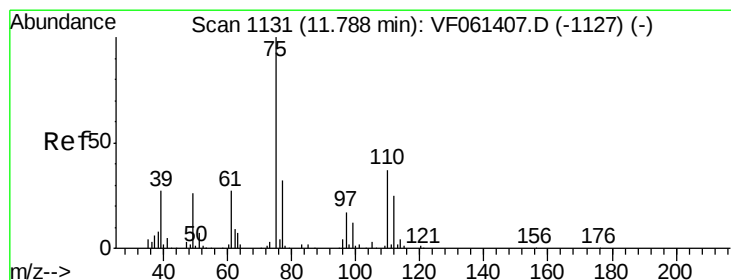
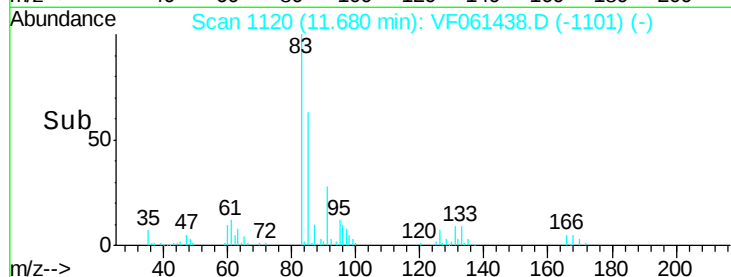
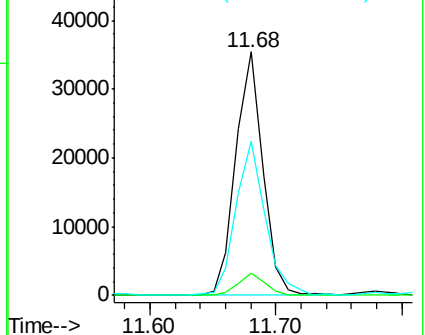
85 63.3 32.7 98.1



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: 21.973 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF061438.D

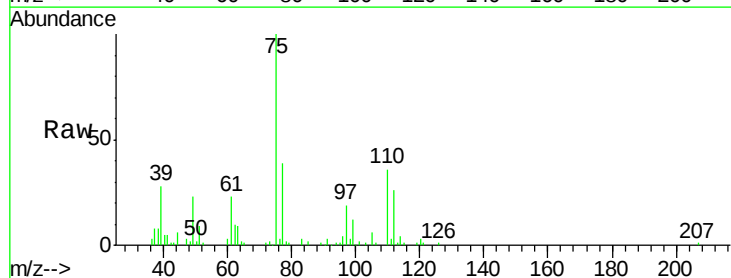
Acq: 17 Jan 2019 12:05

Tgt Ion: 75 Resp: 36979

Ion Ratio Lower Upper

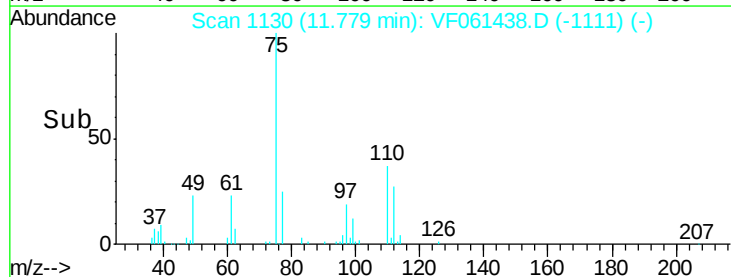
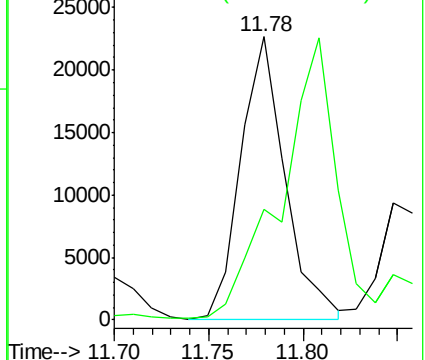
75 100

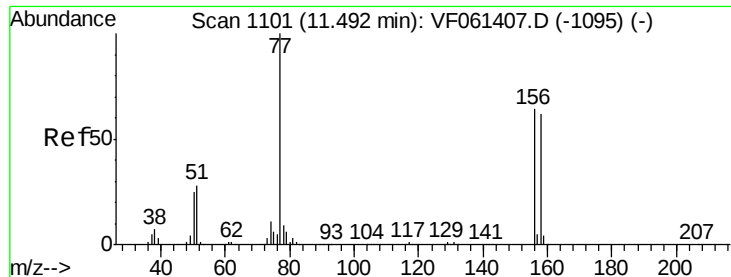
77 38.9 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.695 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

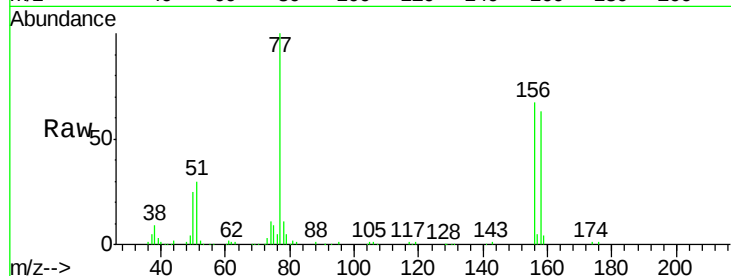
Tot Ion:156 Resp: 60238

Ion Ratio Lower Upper

156 100

77 149.0 78.3 234.9

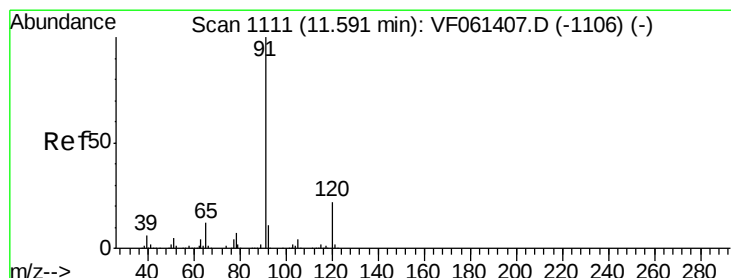
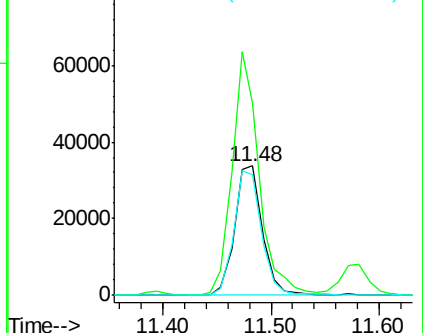
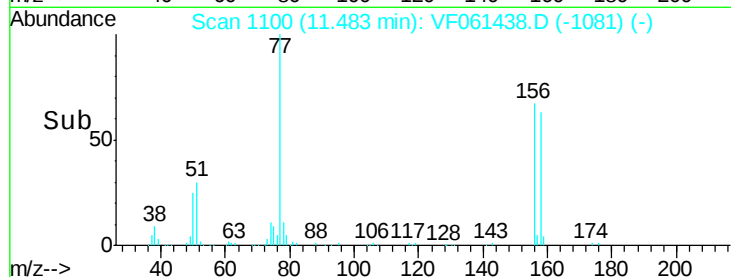
158 93.4 48.9 146.7



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: 20.311 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061438.D

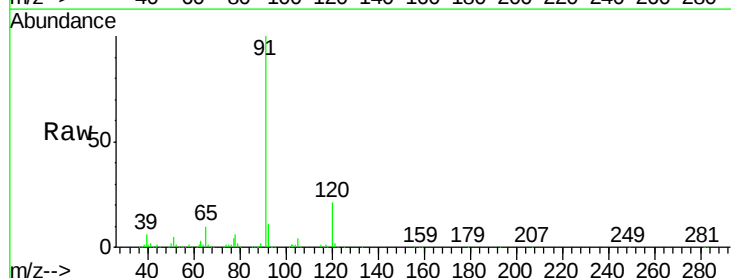
Acq: 17 Jan 2019 12:05

Tgt Ion: 91 Resp: 347752

Ion Ratio Lower Upper

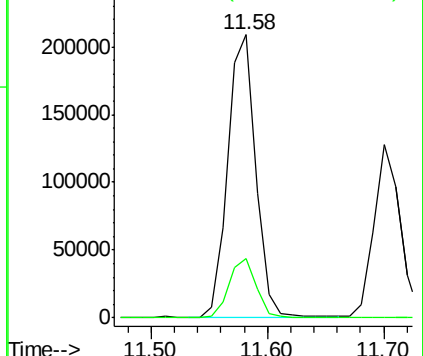
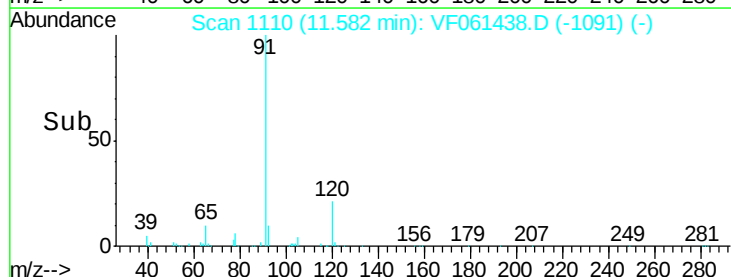
91 100

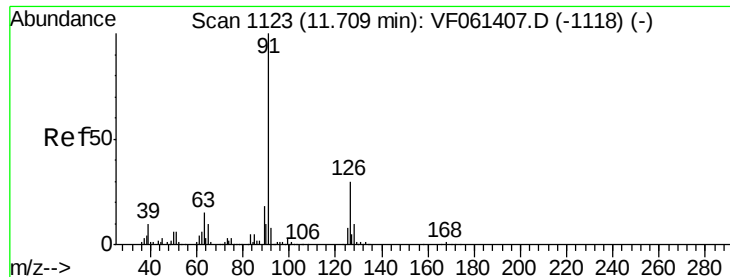
120 21.0 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.655 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

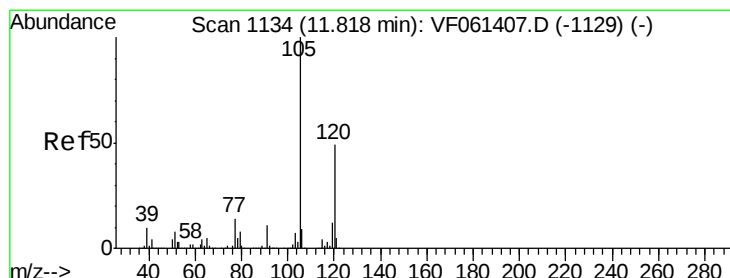
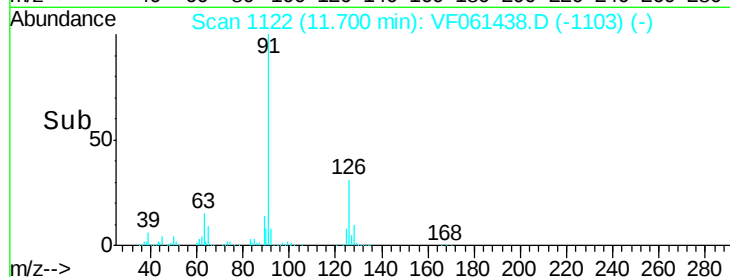
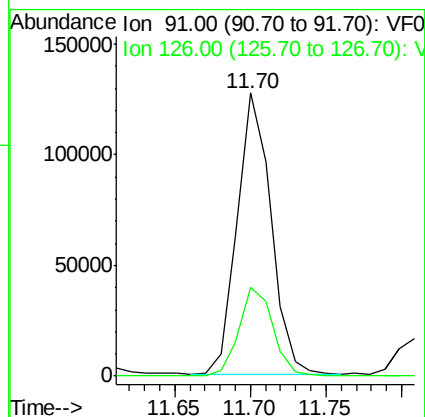
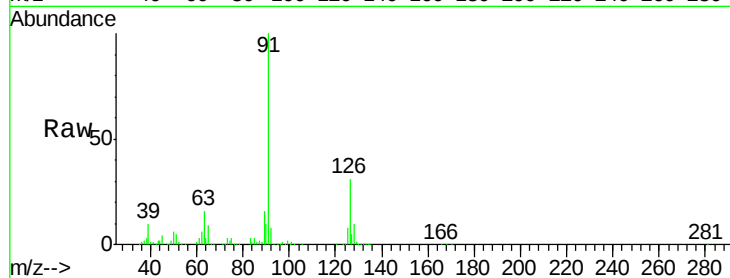
VF0117SBS01

Tot Ion: 91 Resp: 197542

Ion Ratio Lower Upper

91 100

126 31.2 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 22.749 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF061438.D

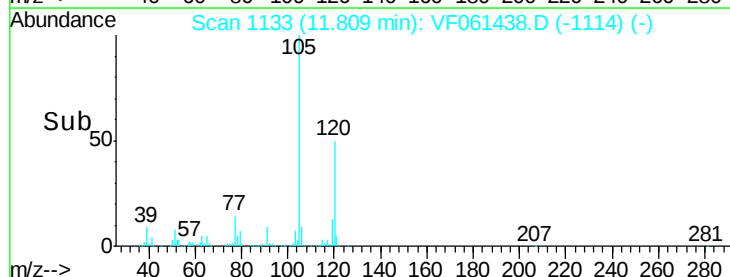
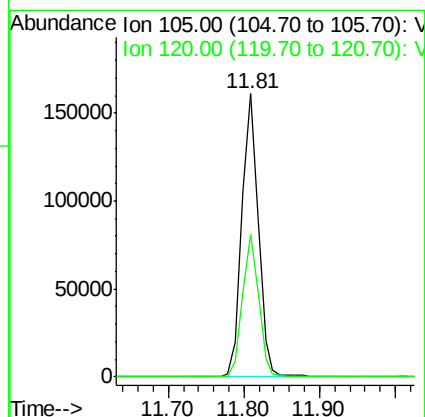
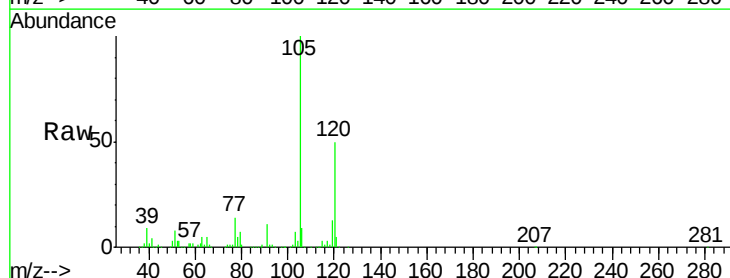
Acq: 17 Jan 2019 12:05

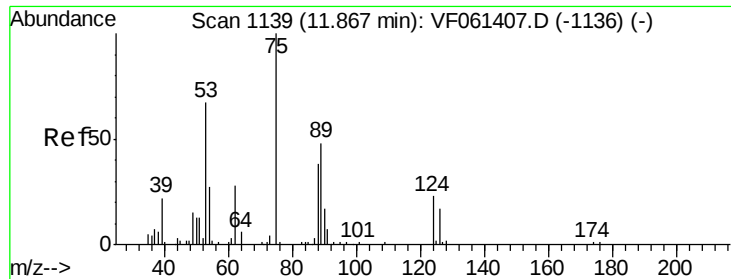
Tgt Ion:105 Resp: 241368

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 30.975 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

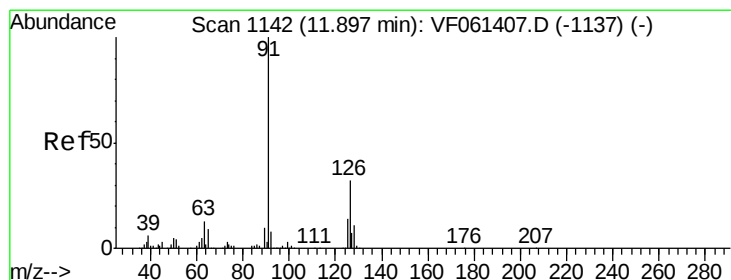
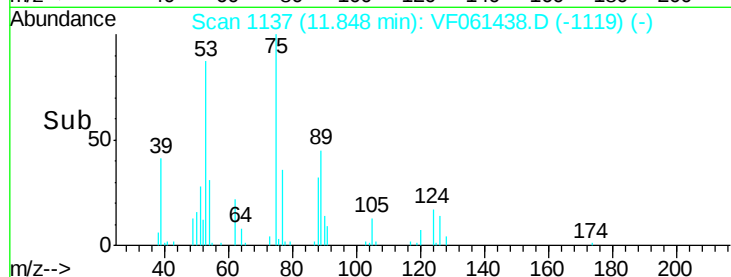
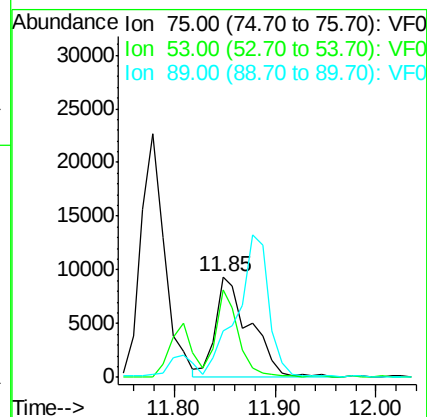
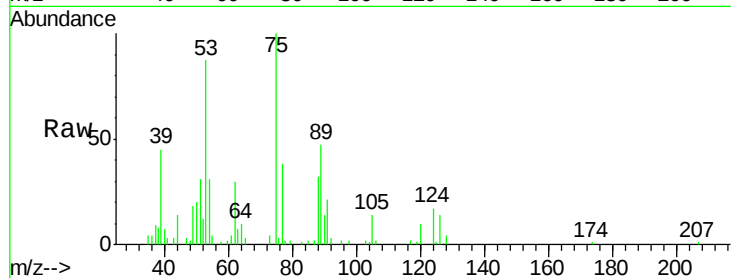
Tot Ion: 75 Resp: 22661

Ion Ratio Lower Upper

75 100

53 86.7 57.8 86.6#

89 46.8 40.7 61.1



#82

4-Chlorotoluene

Concen: 22.316 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF061438.D

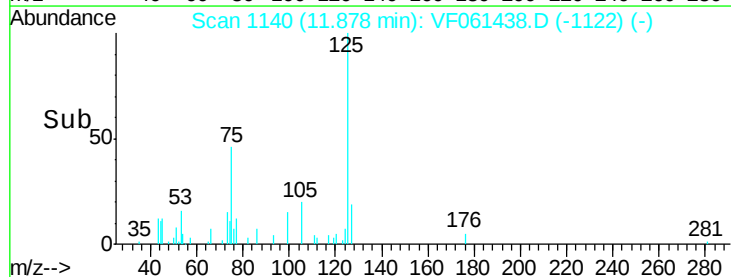
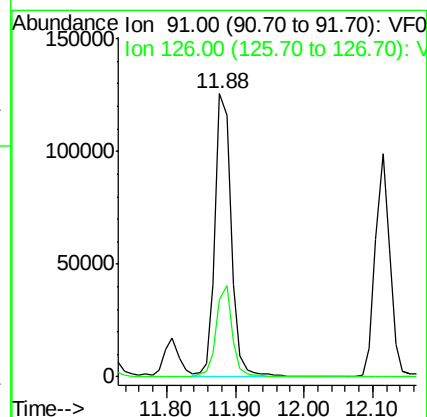
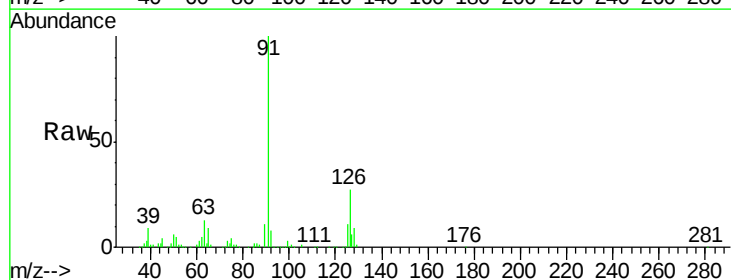
Acq: 17 Jan 2019 12:05

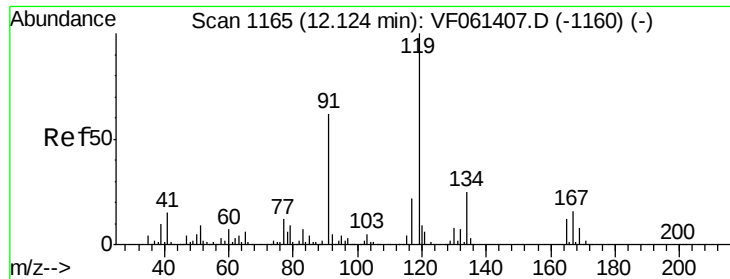
Tgt Ion: 91 Resp: 205422

Ion Ratio Lower Upper

91 100

126 27.3 16.0 47.9

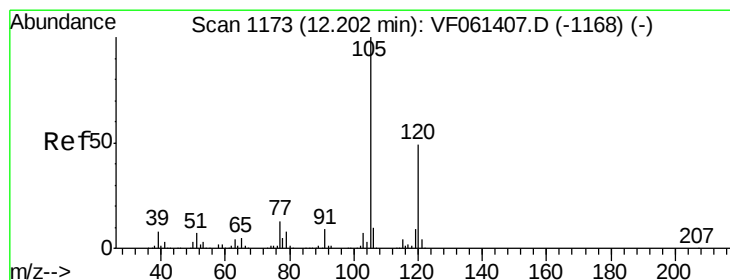
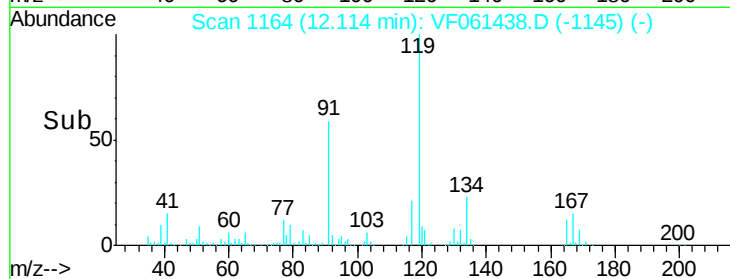
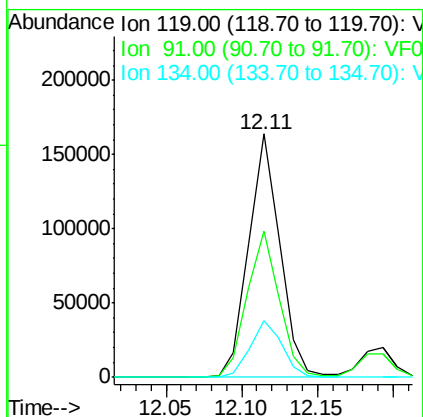
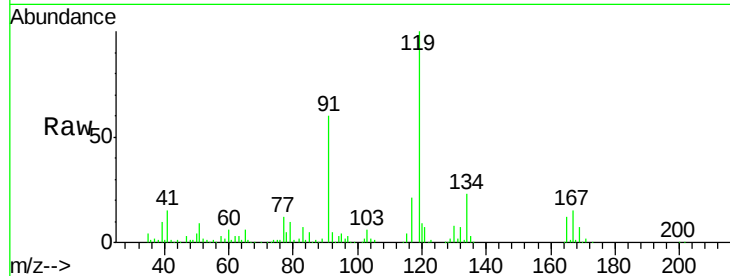




#83
 tert-Butylbenzene
 Concen: 21.718 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

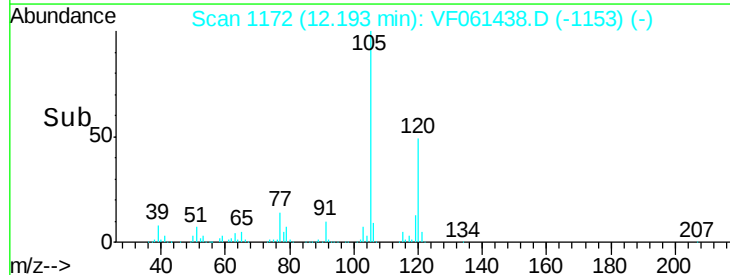
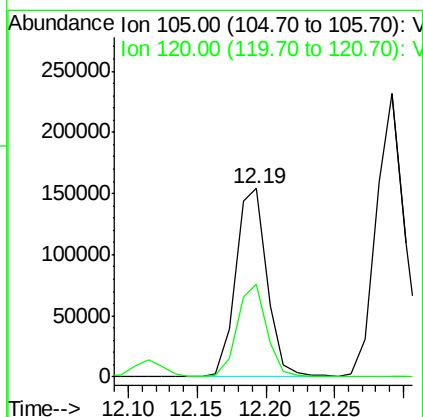
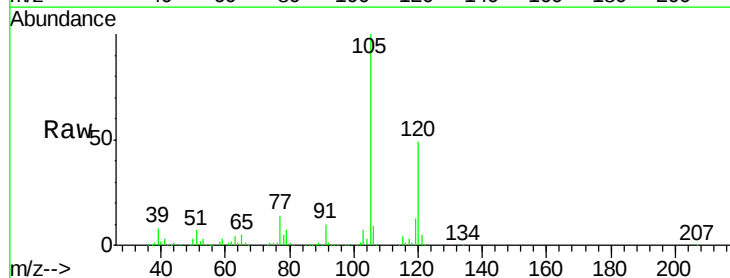
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

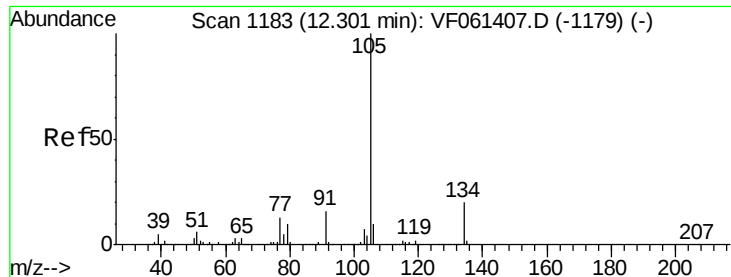
Tot Ion:119 Resp: 238502
 Ion Ratio Lower Upper
 119 100
 91 60.3 31.3 93.8
 134 23.2 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.398 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion:105 Resp: 244792
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.9 74.6

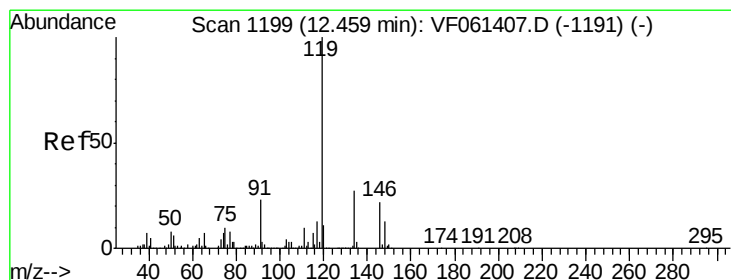
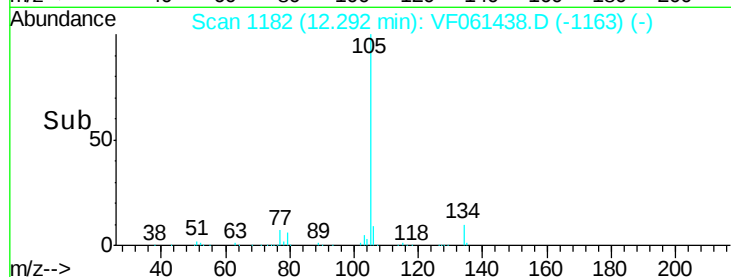
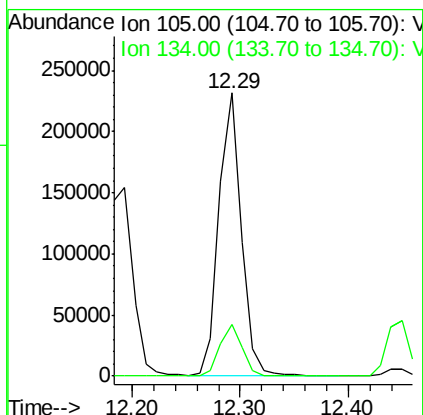
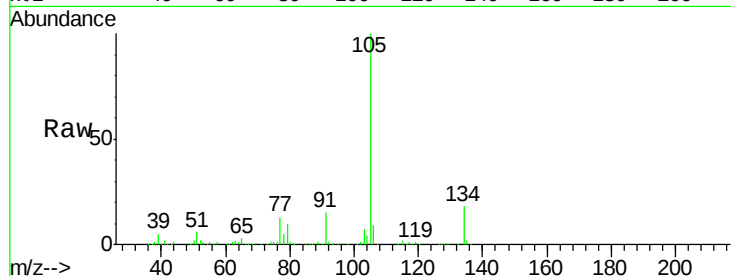




#85
 sec-Butylbenzene
 Concen: 22.354 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

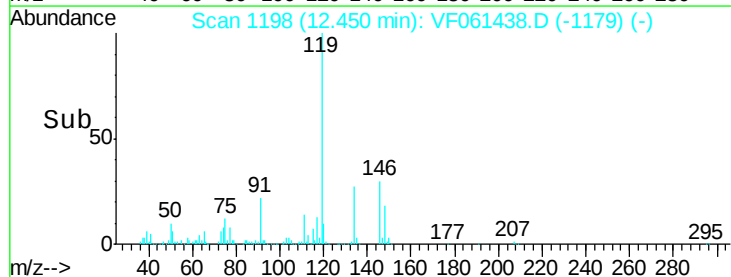
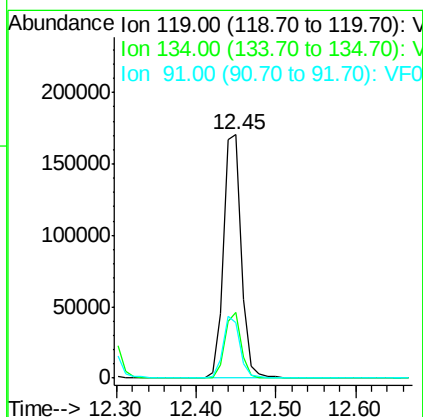
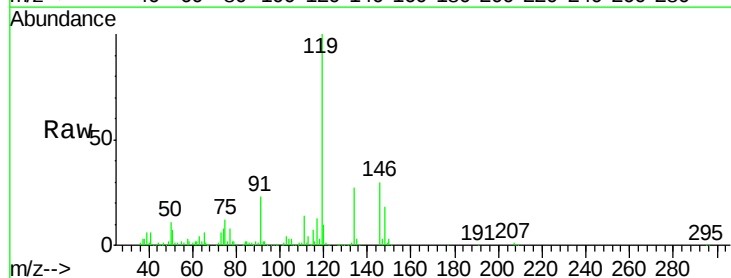
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

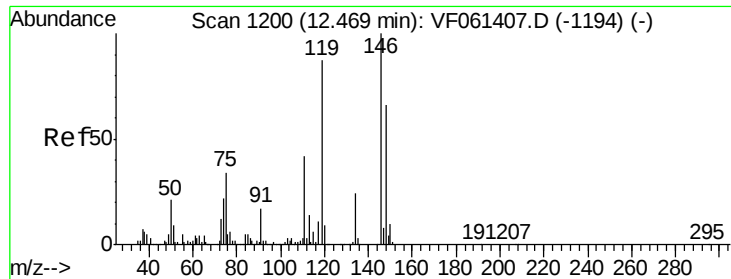
Tot Ion:105 Resp: 333370
 Ion Ratio Lower Upper
 105 100
 134 18.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 22.149 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion:119 Resp: 271160
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.8 11.4 34.2

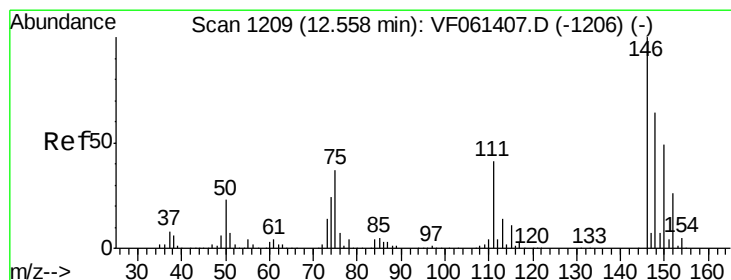
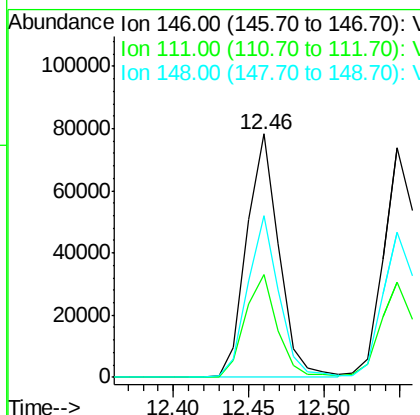
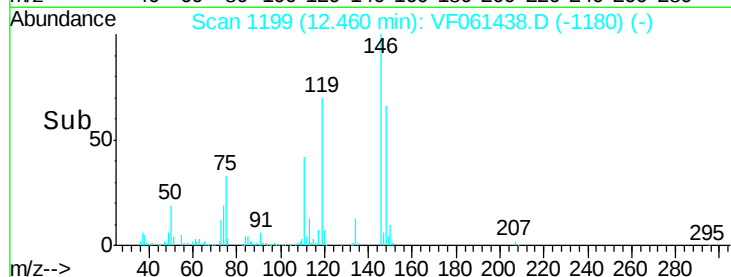
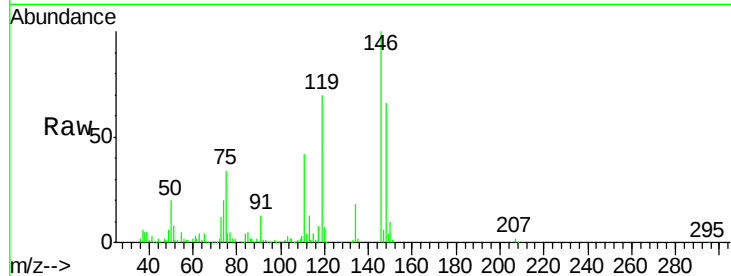




#87
 1,3-Dichlorobenzene
 Concen: 19.978 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

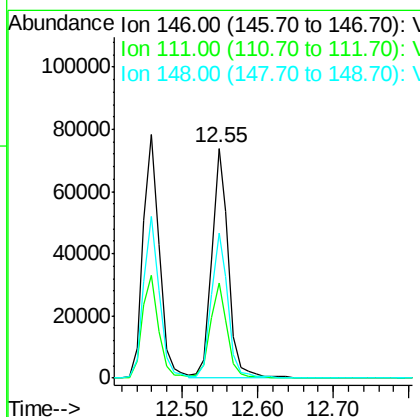
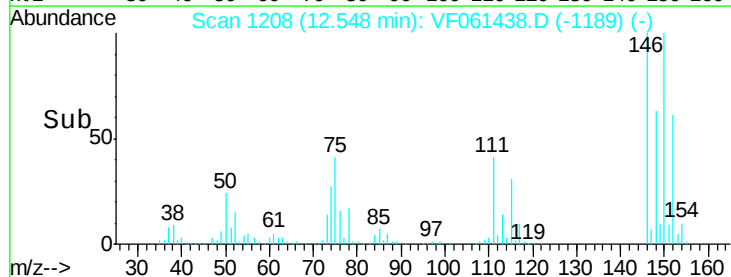
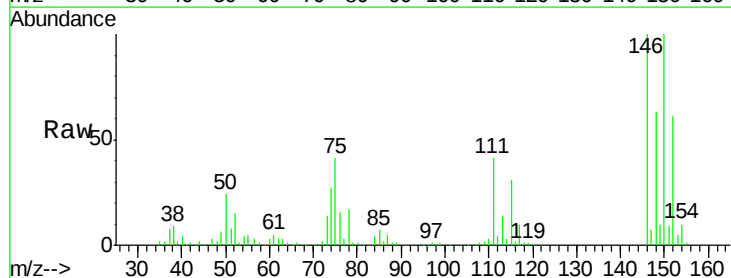
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

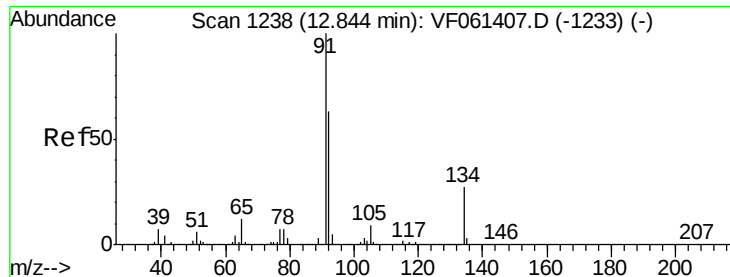
Tot Ion:146 Resp: 116556
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.4
 148 66.3 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 22.121 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion:146 Resp: 116067
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.2
 148 63.1 32.1 96.5





#89

n-Butylbenzene

Concen: 22.310 ug/l

RT: 12.82 min Scan# 1236

Delta R.T. -0.02 min

Lab File: VF061438.D

Acq: 17 Jan 2019 12:05

Instrument :

MSVOA_F

ClientSampleId :

VF0117SBS01

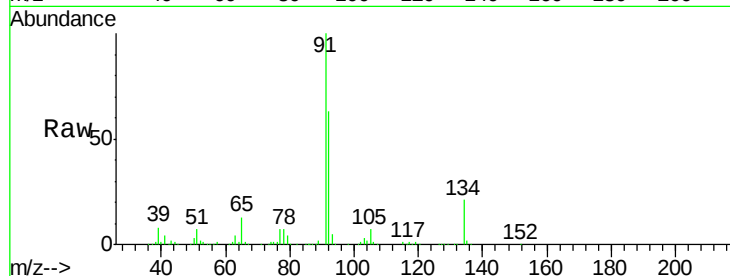
Tot Ion: 91 Resp: 281677

Ion Ratio Lower Upper

91 100

92 63.0 31.6 94.7

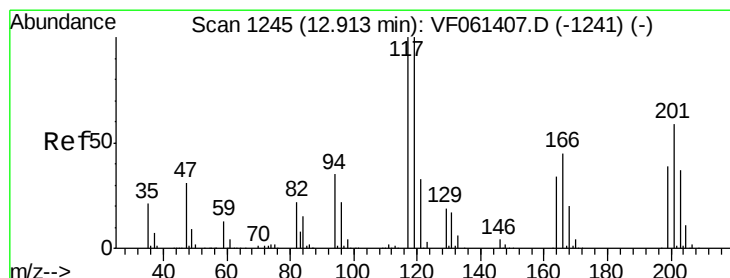
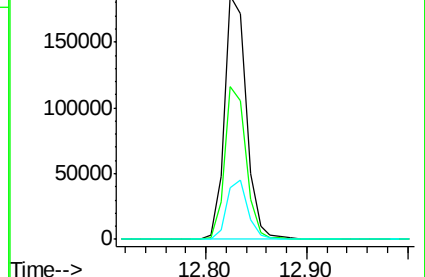
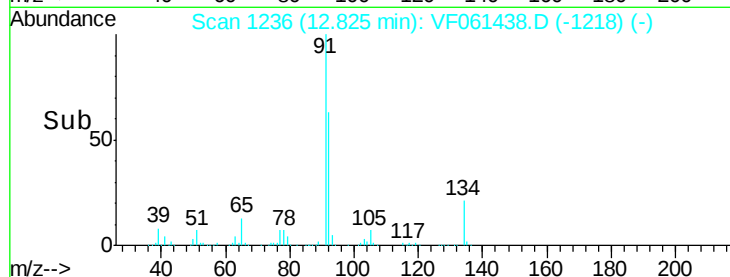
134 21.3 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.571 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VF061438.D

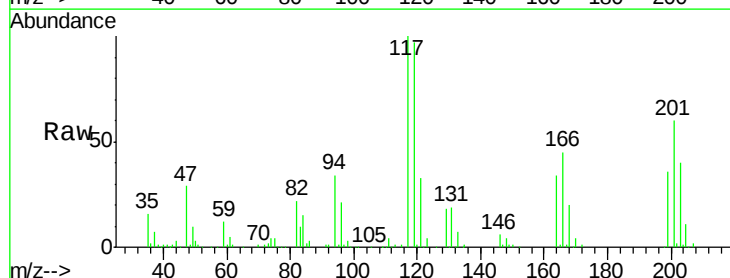
Acq: 17 Jan 2019 12:05

Tgt Ion: 117 Resp: 62250

Ion Ratio Lower Upper

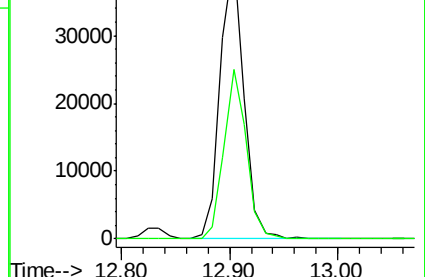
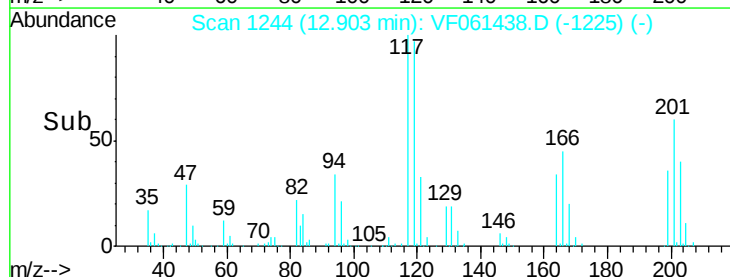
117 100

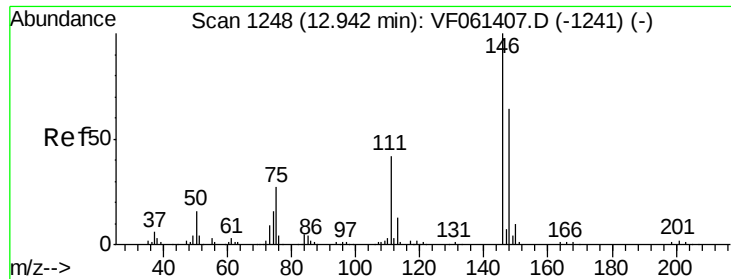
201 60.0 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

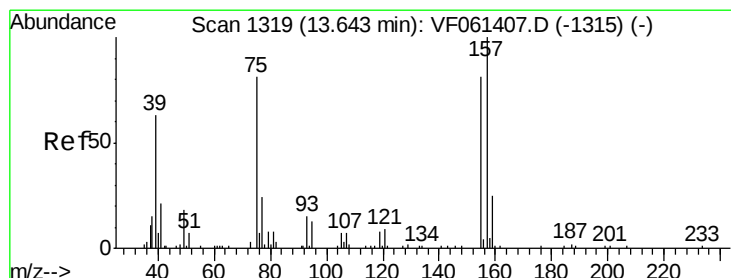
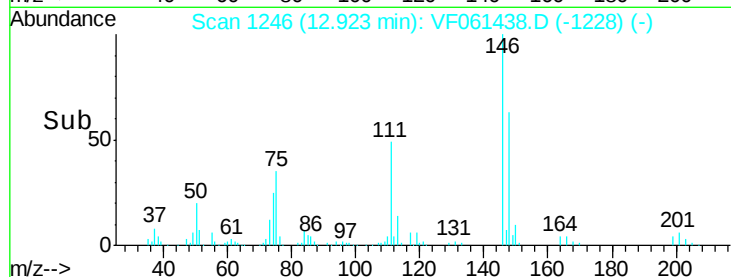
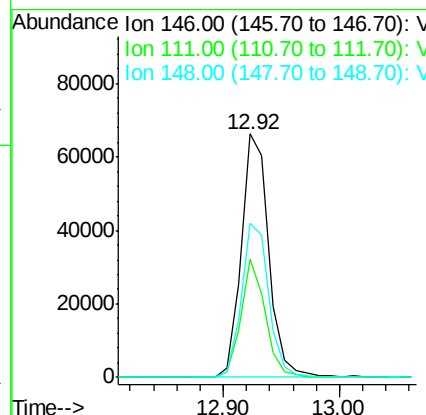
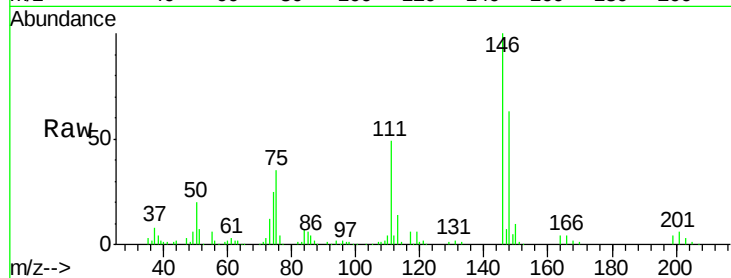




#91
 1,2-Dichlorobenzene
 Concen: 20.751 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

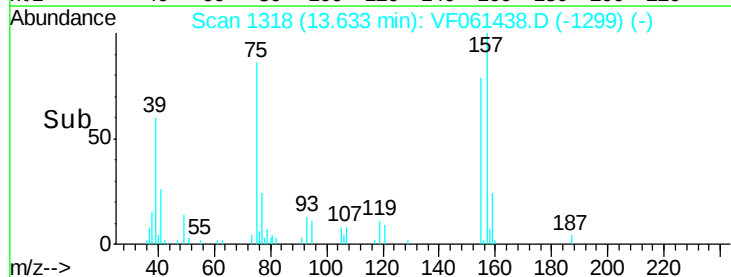
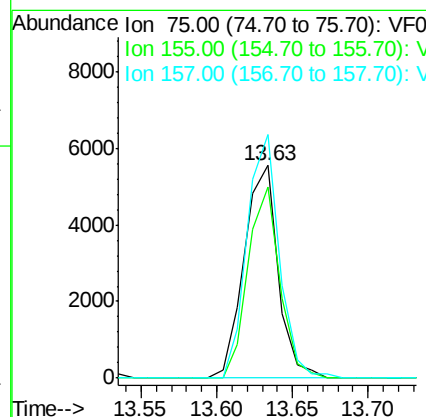
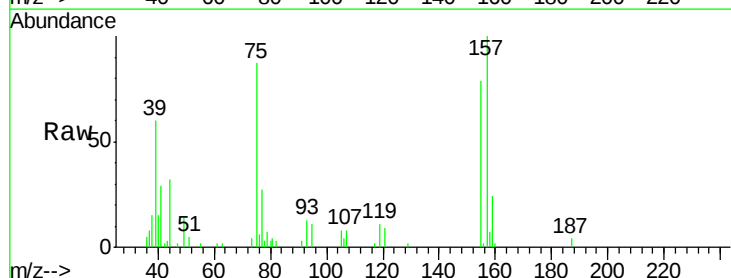
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

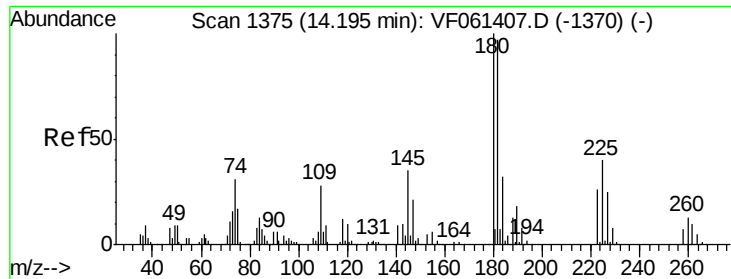
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	21.1	63.3
148	63.2	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.911 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	49.7	149.1
157	114.5	61.4	184.1

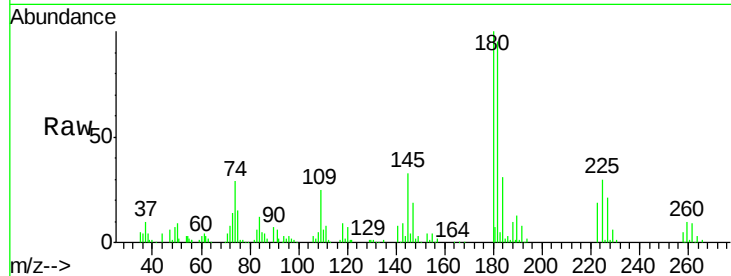




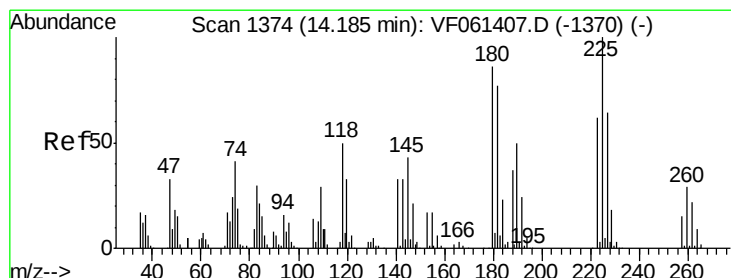
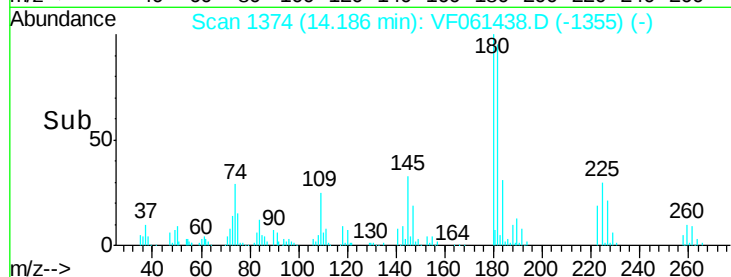
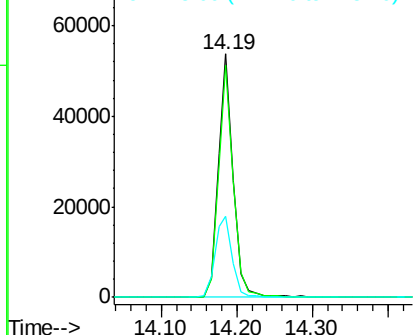
#93
 1,2,4-Trichlorobenzene
 Concen: 20.494 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Tot Ion:180 Resp: 74571
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.5 145.6
 145 33.2 17.5 52.6

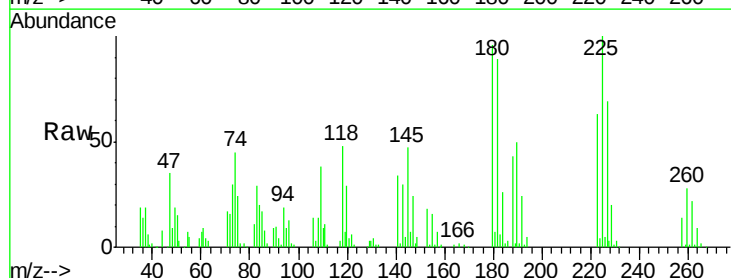


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

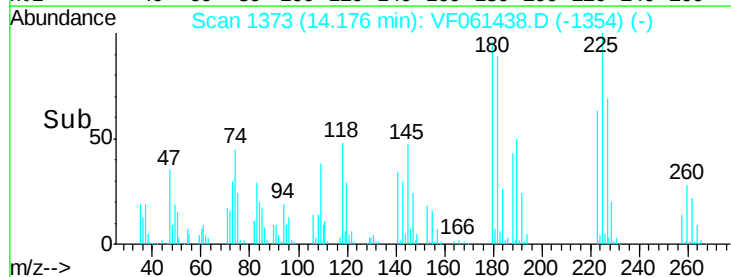
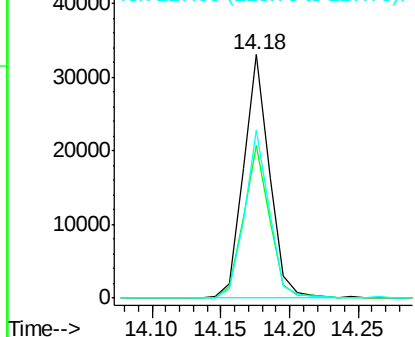


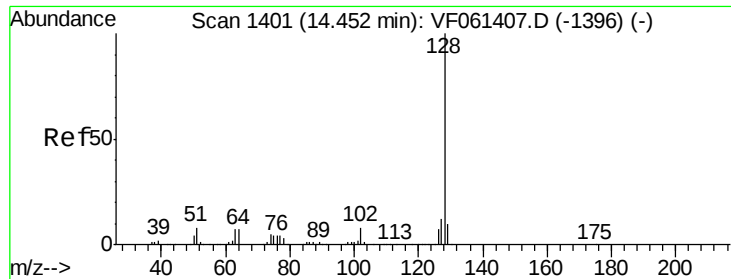
#94
 Hexachlorobutadiene
 Concen: 19.285 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061438.D
 Acq: 17 Jan 2019 12:05

Tgt Ion:225 Resp: 43542
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.2
 227 69.1 32.2 96.6



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

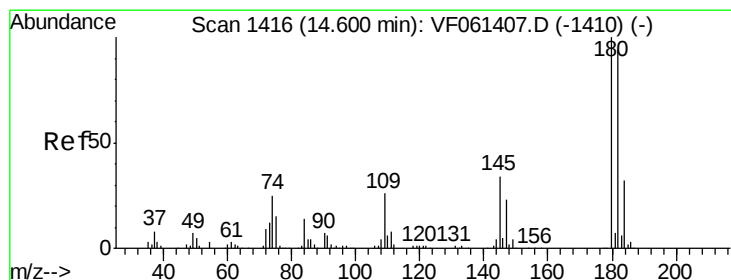
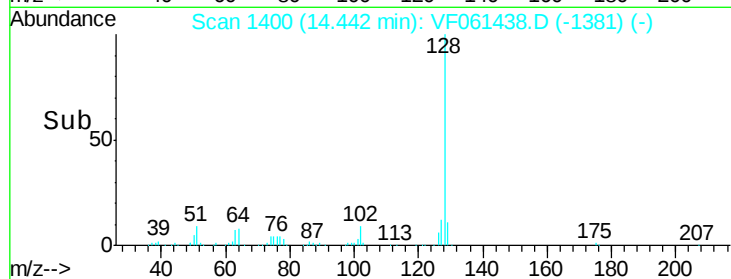
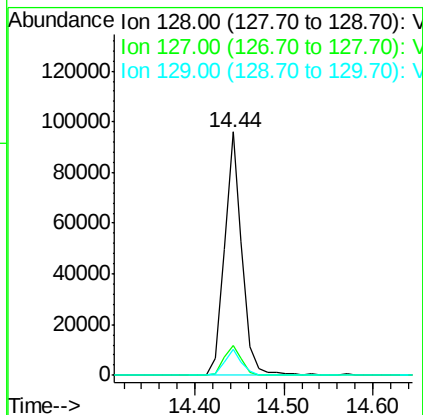
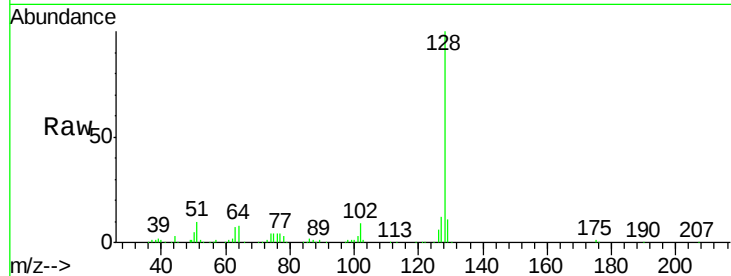




#95
Naphthalene
Concen: 19.208 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Instrument :
MSVOA_F
ClientSampleId :
VF0117SBS01

Tot Ion:128 Resp: 132787
Ion Ratio Lower Upper
128 100
127 12.1 9.5 14.3
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.042 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061438.D
Acq: 17 Jan 2019 12:05

Tgt Ion:180 Resp: 64140
Ion Ratio Lower Upper
180 100
182 95.2 47.0 141.2
145 34.7 17.1 51.2

