

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
 Data File : VF061478.D
 Acq On : 23 Jan 2019 10:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 24 02:52:56 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	4.85	168	188077	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	326961	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	292060	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	141389	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	106647	45.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.86%	
35) Dibromofluoromethane	4.09	113	130240	50.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.53	98	358538	50.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.39	95	158661	48.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	178979	48.432	ug/l	89
3) Chloromethane	1.09	50	147623	54.481	ug/l	99
4) Vinyl Chloride	1.13	62	126318	52.406	ug/l	99
5) Bromomethane	1.30	94	82206	52.301	ug/l	99
6) Chloroethane	1.38	64	57968	54.275	ug/l	92
7) Trichlorofluoromethane	1.48	101	221694	47.311	ug/l	95
8) Diethyl Ether	1.62	74	30669	51.080	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	113665	50.483	ug/l	96
10) Methyl Iodide	1.89	142	127260	36.459	ug/l	96
11) Tert butyl alcohol	2.55	59	22587	229.804	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	91234	54.541	ug/l	91
13) Acrolein	1.99	56	21720	256.285	ug/l	93
14) Allyl chloride	2.09	41	159655	80.697	ug/l	87
15) Acrylonitrile	2.93	53	67079	266.435	ug/l	99
16) Acetone	2.22	43	159335	342.045	ug/l	95
17) Carbon Disulfide	1.76	76	68066	13.050	ug/l	94
18) Methyl Acetate	2.33	43	41986	45.448	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	178137	47.505	ug/l	98
20) Methylene Chloride	2.17	84	37791	22.948	ug/l	94
21) trans-1,2-Dichloroethene	2.29	96	89446	48.601	ug/l	95
22) Diisopropyl ether	2.79	45	308818	51.878	ug/l	99
23) Vinyl Acetate	3.17	43	689260	263.077	ug/l	99
24) 1,1-Dichloroethane	2.86	63	188739	50.518	ug/l	98
25) 2-Butanone	4.31	43	213988	276.236	ug/l	97
26) 2,2-Dichloropropane	3.58	77	118945	51.818	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	139040	51.179	ug/l	98
28) Bromochloromethane	3.69	49	77388	46.081	ug/l #	95
29) Tetrahydrofuran	4.05	42	75720	227.004	ug/l	98
30) Chloroform	3.84	83	261958	51.954	ug/l	97
31) Cyclohexane	3.67	56	185585	49.728	ug/l	91
32) 1,1,1-Trichloroethane	4.07	97	184973	50.032	ug/l	93
36) 1,1-Dichloropropene	4.26	75	192506	50.780	ug/l	98
37) Ethyl Acetate	4.09	43	67428	44.496	ug/l	93
38) Carbon Tetrachloride	3.97	117	173616	52.386	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215846	52.539	ug/l	98
40) Benzene	4.61	78	417433	49.485	ug/l	100
41) Methacrylonitrile	4.72	41	37690	46.742	ug/l	93
42) 1,2-Dichloroethane	4.92	62	140081	46.601	ug/l	99
43) Isopropyl Acetate	6.94	43	92070	48.410	ug/l #	90
44) Trichloroethene	5.48	130	136008	52.559	ug/l	99
45) 1,2-Dichloropropane	6.21	63	114593	51.760	ug/l	95
46) Dibromomethane	6.06	93	70968	48.208	ug/l	90
47) Bromodichloromethane	6.36	83	184313	50.603	ug/l	98
48) Methyl methacrylate	6.69	41	61334	48.025	ug/l #	90
49) 1,4-Dioxane	6.68	88	9014	1011.951	ug/l #	76
51) 4-Methyl-2-Pentanone	8.23	43	318503	227.797	ug/l	99
52) Toluene	7.60	92	281070	50.597	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	138899	48.025	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	203842	56.385	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	79818	50.598	ug/l	95
56) Ethyl methacrylate	8.60	69	85734	46.714	ug/l	96
57) 1,3-Dichloropropane	8.83	76	142514	48.199	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	42468	223.896	ug/l	93
59) 2-Hexanone	9.47	43	281188	288.402	ug/l	95
60) Dibromochloromethane	8.70	129	116029	50.312	ug/l	95
61) 1,2-Dibromoethane	8.96	107	84030	46.531	ug/l	87
64) Tetrachloroethene	8.13	164	112763	51.342	ug/l	98
65) Chlorobenzene	9.78	112	300737	50.636	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	124881	52.782	ug/l	97
67) Ethyl Benzene	9.88	91	575111	53.000	ug/l	99
68) m/p-Xylenes	10.11	106	399243	102.295	ug/l	98
69) o-Xylene	10.69	106	229681	54.298	ug/l	96
70) Styrene	10.77	104	294040	50.783	ug/l	99
71) Bromoform	10.76	173	54152	50.940	ug/l #	95
73) Isopropylbenzene	11.10	105	642819	55.900	ug/l	99
74) N-amyl acetate	11.36	43	146186	53.761	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	105732	51.612	ug/l	97
76) 1,2,3-Trichloropropane	11.77	75	76278	51.819	ug/l	97
77) Bromobenzene	11.48	156	132333	54.490	ug/l	91
78) n-propylbenzene	11.58	91	761772	55.089	ug/l	98
79) 2-Chlorotoluene	11.70	91	433782	54.367	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	504675	54.382	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	45446	71.021	ug/l	91
82) 4-Chlorotoluene	11.88	91	418009	51.918	ug/l	99
83) tert-Butylbenzene	12.12	119	532000	55.386	ug/l	95
84) 1,2,4-Trimethylbenzene	12.19	105	499539	52.258	ug/l	97
85) sec-Butylbenzene	12.30	105	724841	55.568	ug/l	99
86) p-Isopropyltoluene	12.44	119	572868	53.500	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	237149	49.016	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	240897	52.492	ug/l	96
89) n-Butylbenzene	12.83	91	587824	53.230	ug/l	98
90) Hexachloroethane	12.90	117	145524	57.654	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	231860	51.036	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18769	51.655	ug/l	79

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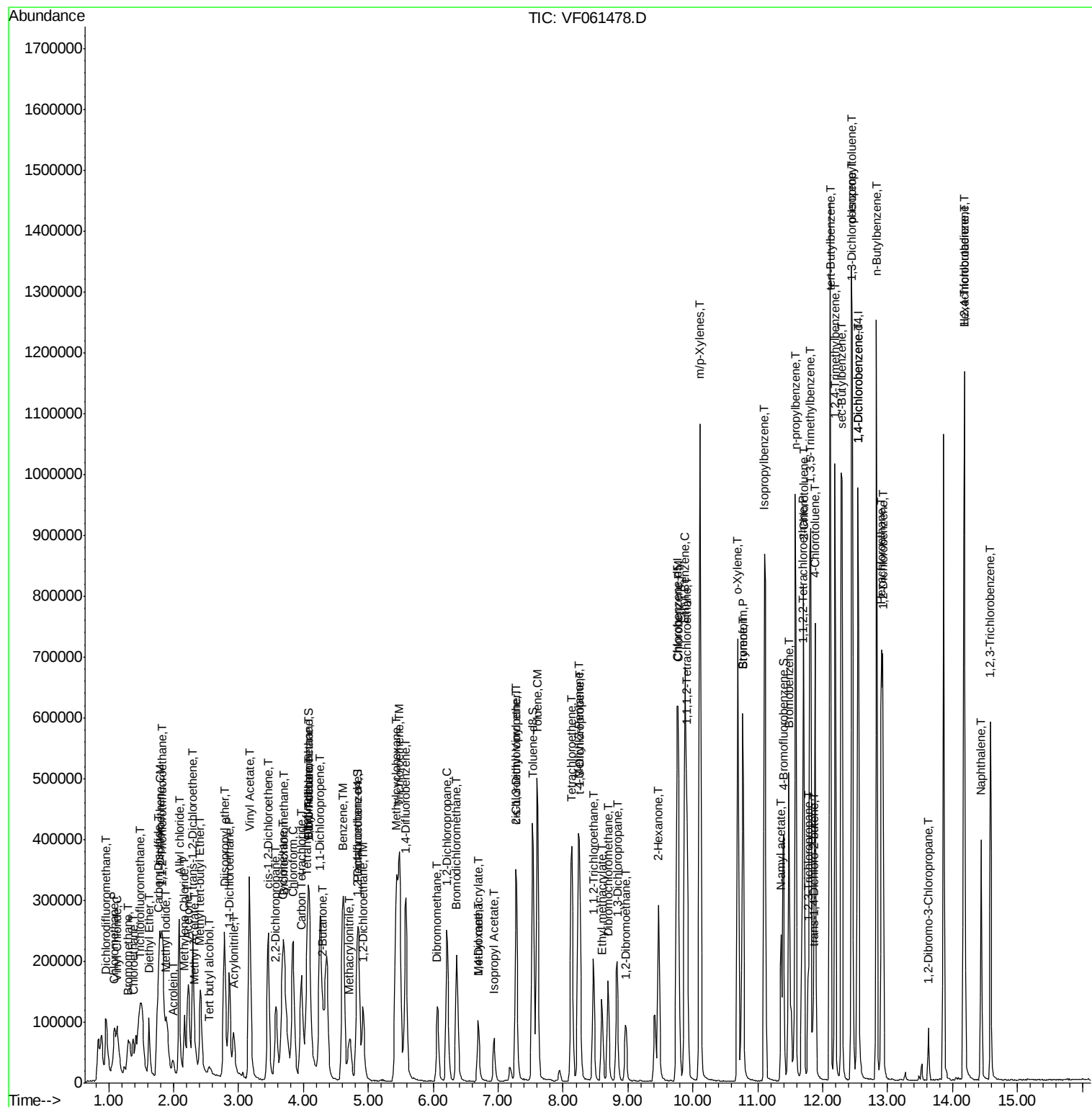
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	164057	51.549	ug/l	97
94) Hexachlorobutadiene	14.18	225	112163	56.796	ug/l	98
95) Naphthalene	14.44	128	293113	48.476	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	147954	50.221	ug/l	98

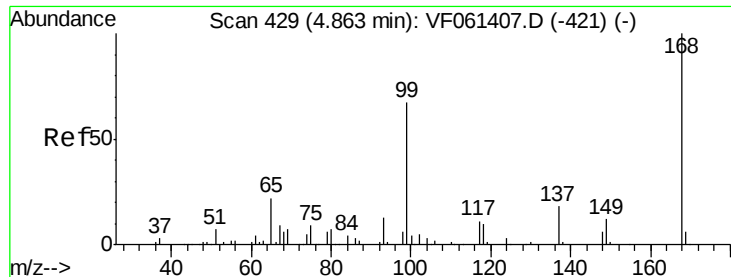
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

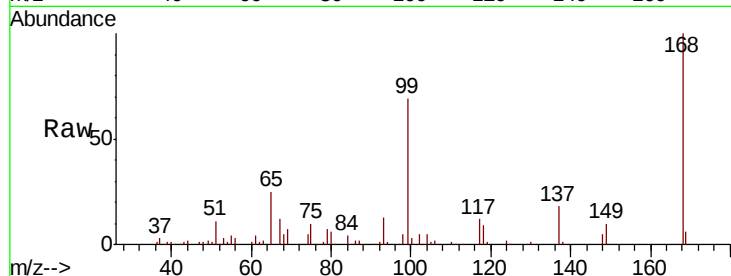
VSTDCCC050

Tgt Ion: 168 Resp: 188077

Ion Ratio Lower Upper

168 100

99 68.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

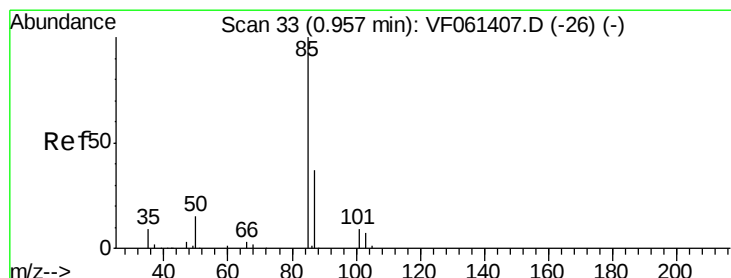
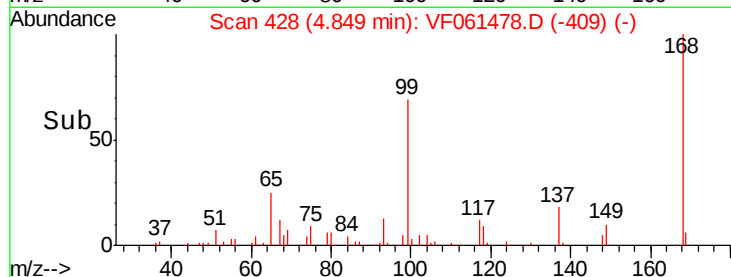
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 48.432 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061478.D

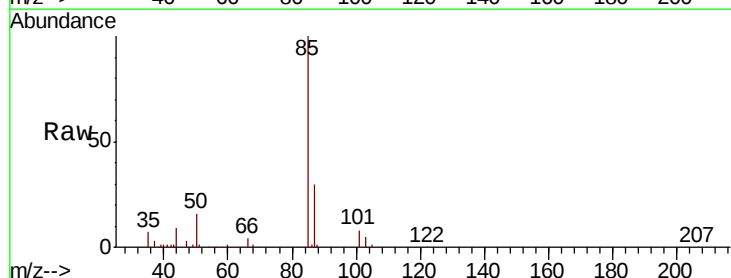
Acq: 23 Jan 2019 10:29

Tgt Ion: 85 Resp: 178979

Ion Ratio Lower Upper

85 100

87 30.2 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

60000

50000

40000

30000

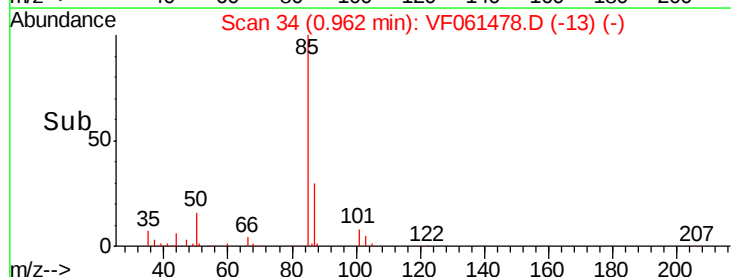
20000

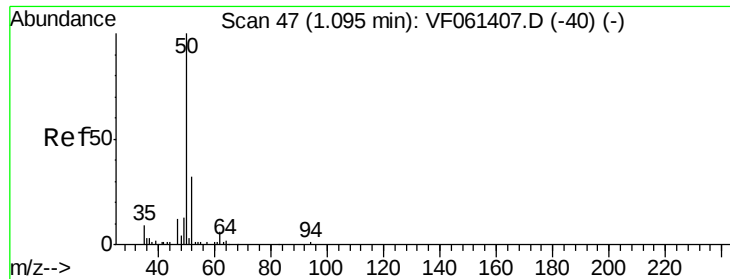
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 54.481 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

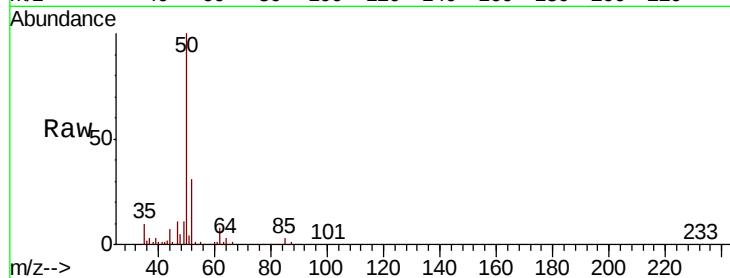
VSTDCCC050

Tgt Ion: 50 Resp: 147623

Ion Ratio Lower Upper

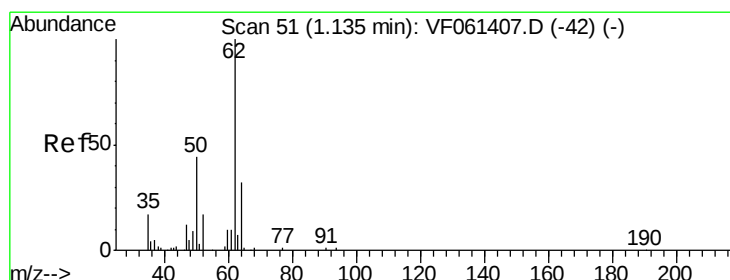
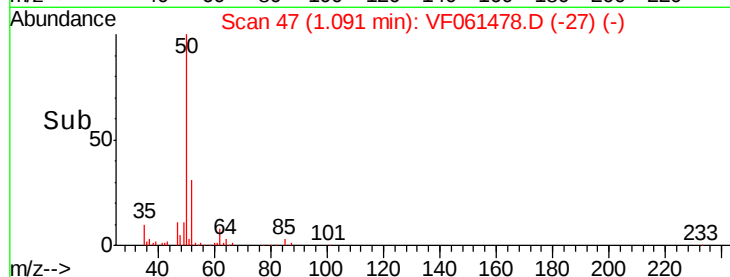
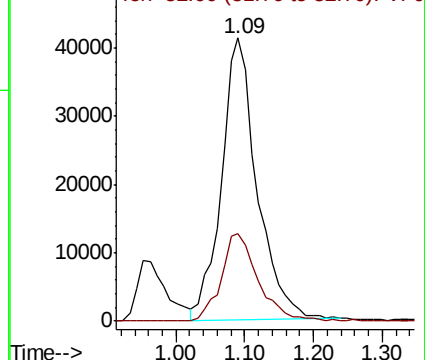
50 100

52 31.1 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 52.406 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061478.D

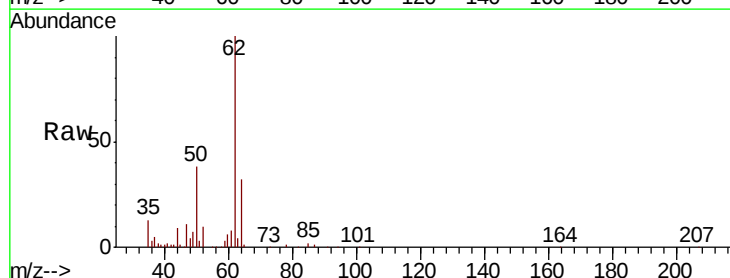
Acq: 23 Jan 2019 10:29

Tgt Ion: 62 Resp: 126318

Ion Ratio Lower Upper

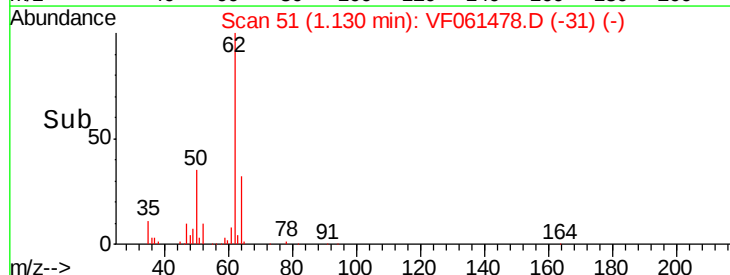
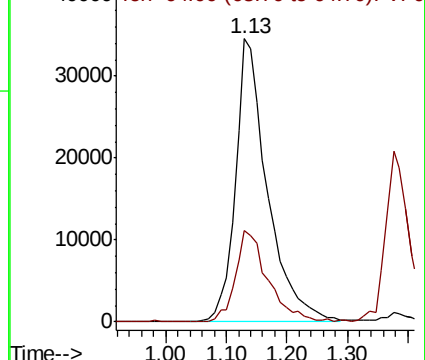
62 100

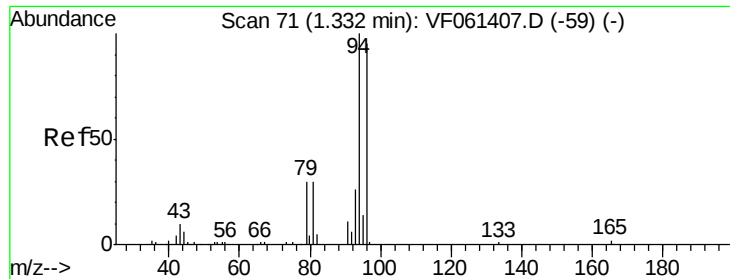
64 32.3 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.301 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

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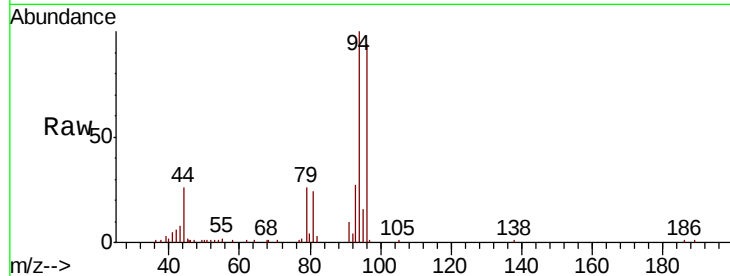
VSTDCCC050

Tgt Ion: 94 Resp: 82206

Ion Ratio Lower Upper

94 100

96 93.9 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

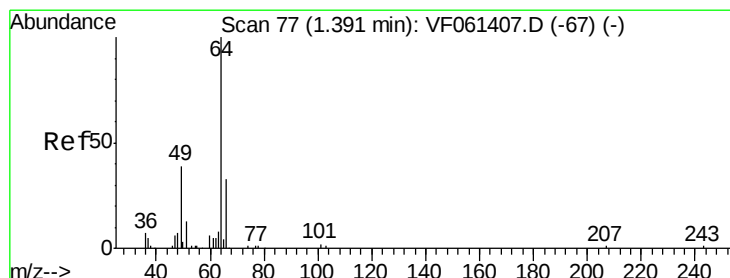
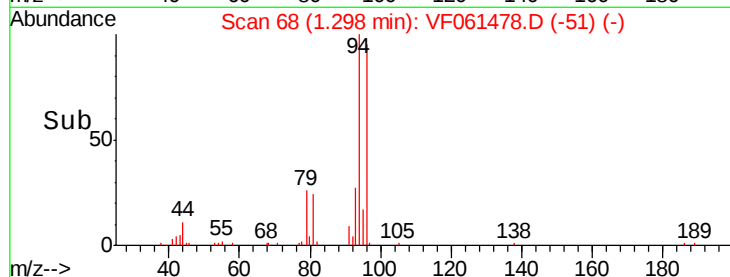
10000

5000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 54.275 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061478.D

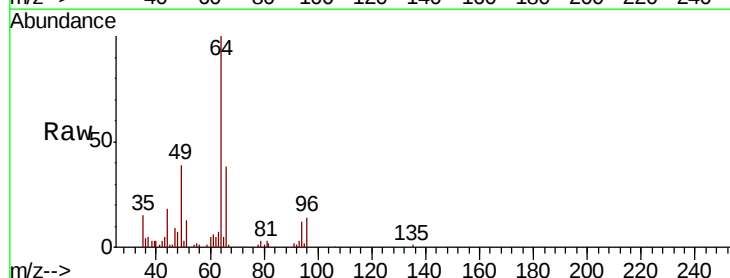
Acq: 23 Jan 2019 10:29

Tgt Ion: 64 Resp: 57968

Ion Ratio Lower Upper

64 100

66 37.9 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

25000

20000

15000

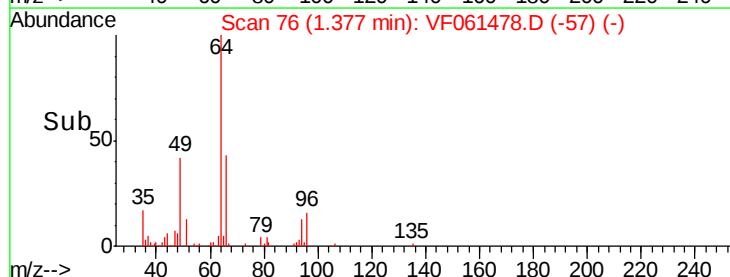
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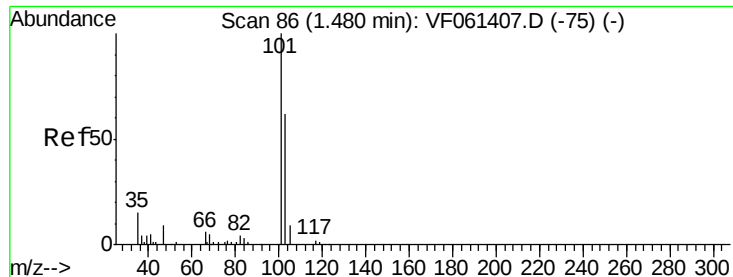
5000

0

1.20 1.30 1.40 1.50 1.60

Time-->





#7

Trichlorofluoromethane

Concen: 47.311 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.00 min

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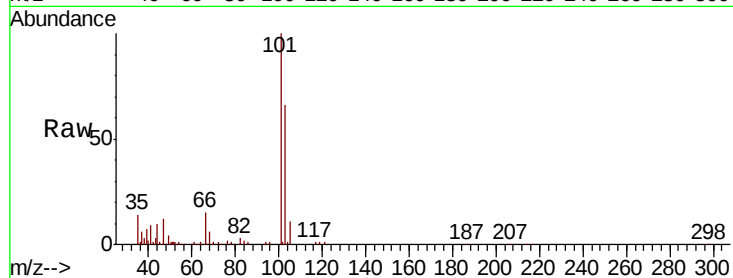
VSTDCCC050

Tgt Ion: 101 Resp: 221694

Ion Ratio Lower Upper

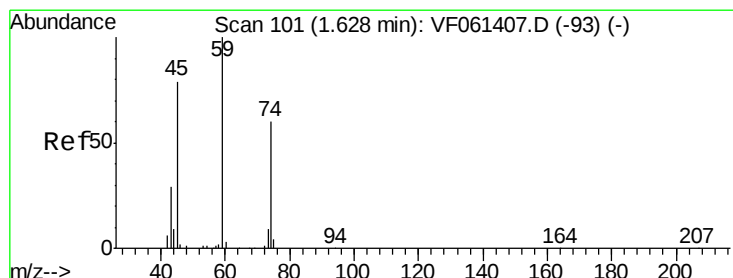
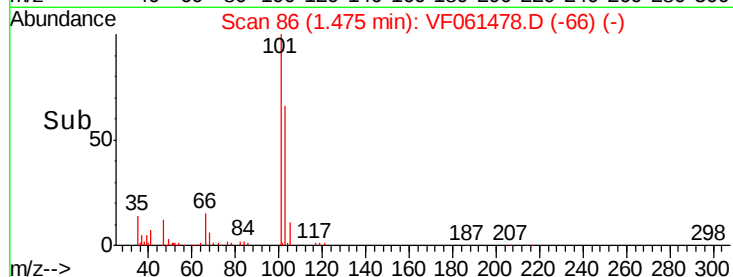
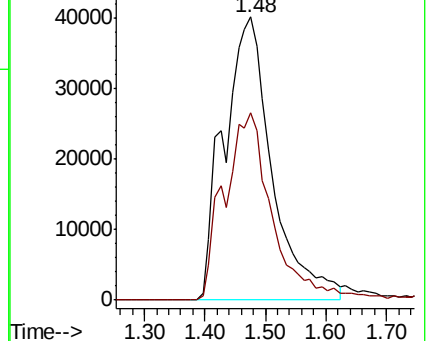
101 100

103 66.2 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: 51.080 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061478.D

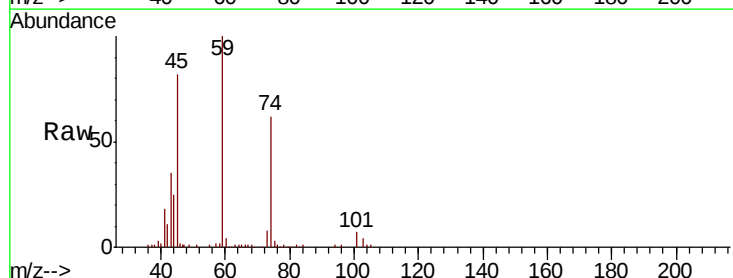
Acq: 23 Jan 2019 10:29

Tgt Ion: 74 Resp: 30669

Ion Ratio Lower Upper

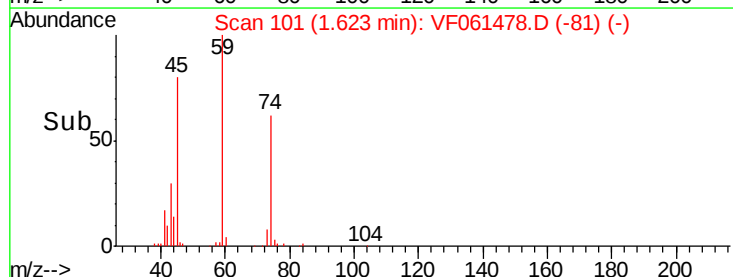
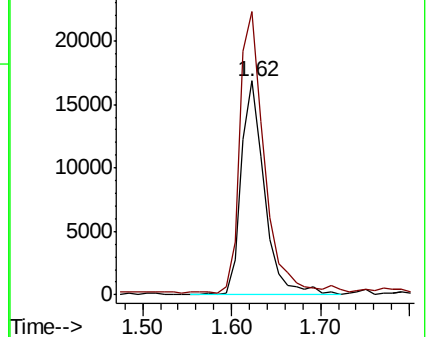
74 100

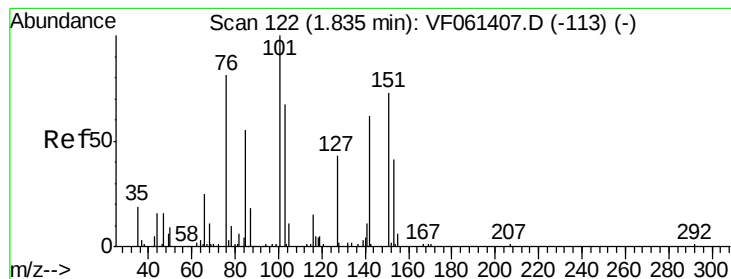
45 132.1 65.8 197.5



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: 50.483 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

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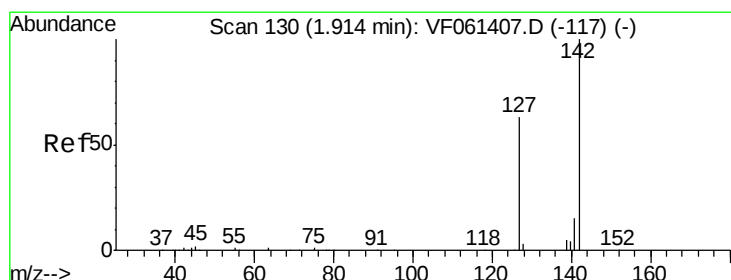
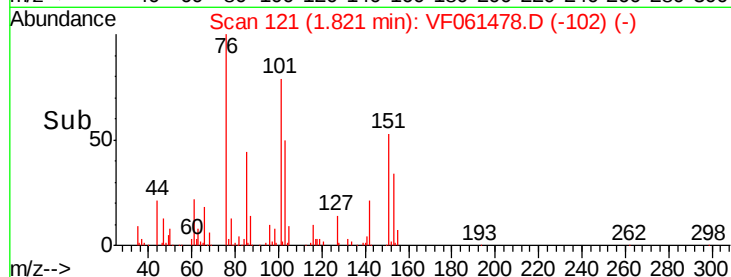
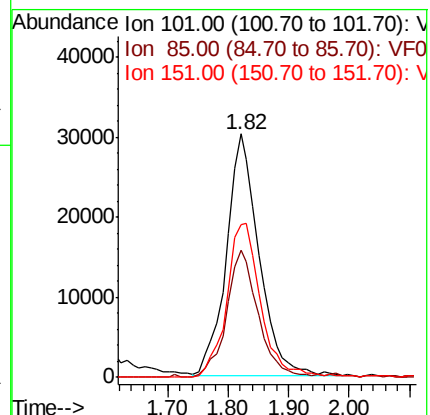
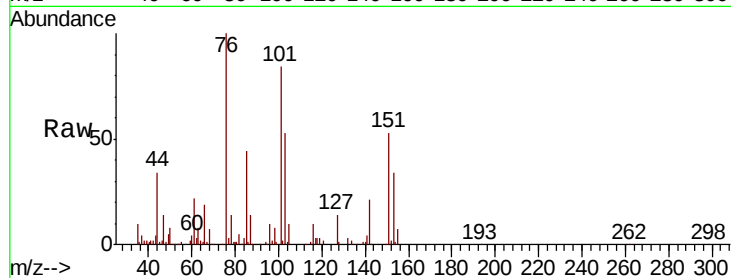
Tgt Ion:101 Resp: 113665

Ion Ratio Lower Upper

101 100

85 52.3 41.9 62.9

151 62.6 55.1 82.7



#10

Methyl Iodide

Concen: 36.459 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

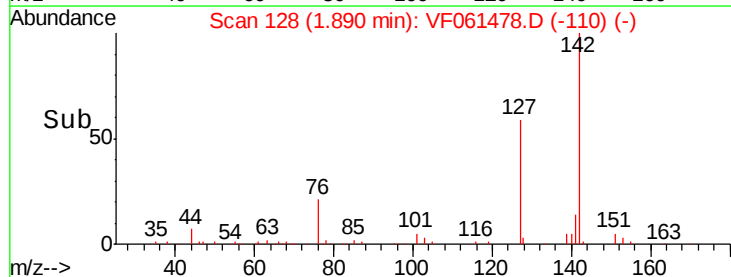
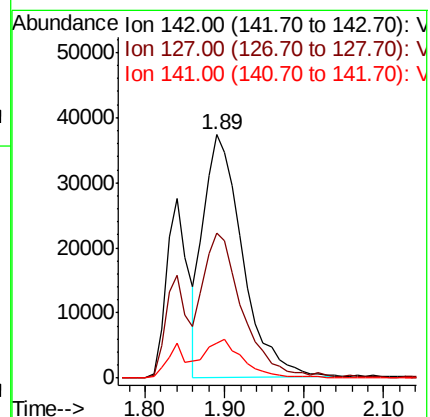
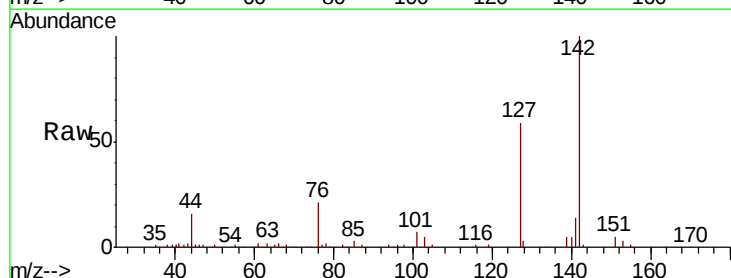
Tgt Ion:142 Resp: 127260

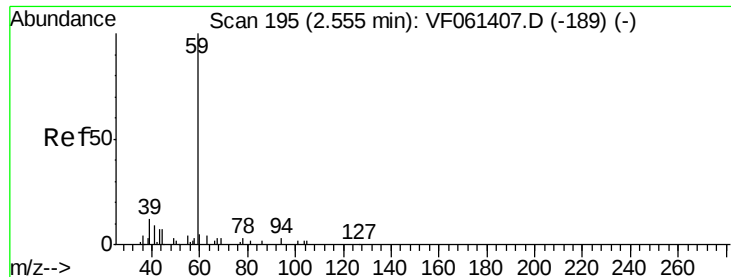
Ion Ratio Lower Upper

142 100

127 59.4 50.7 76.1

141 14.4 11.8 17.6

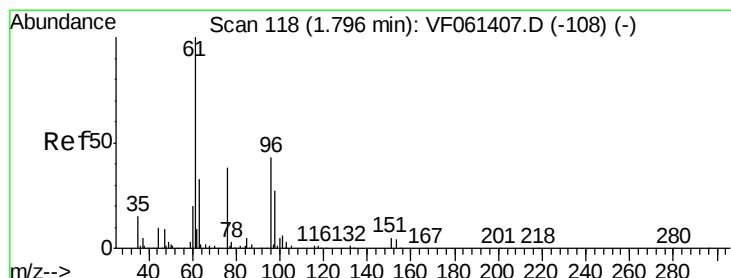
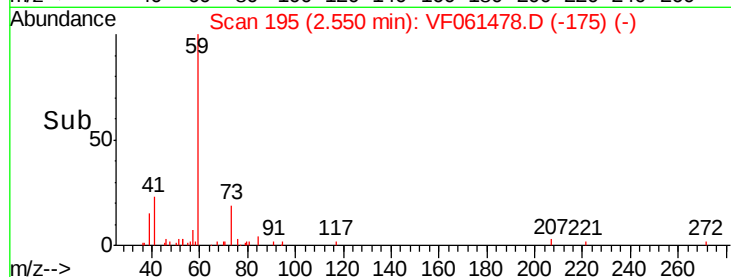
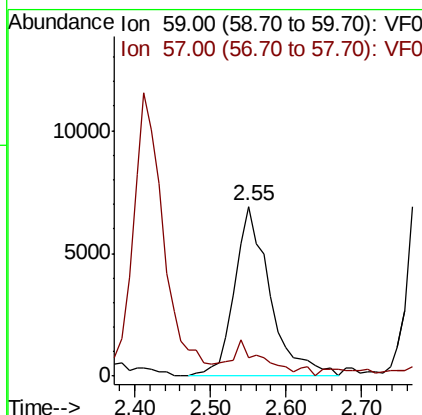
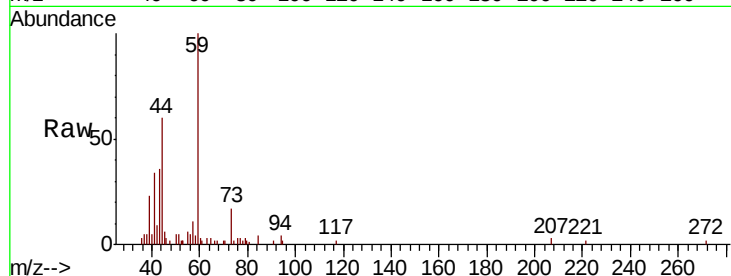




#11
Tert butyl alcohol
Concen: 229.804 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

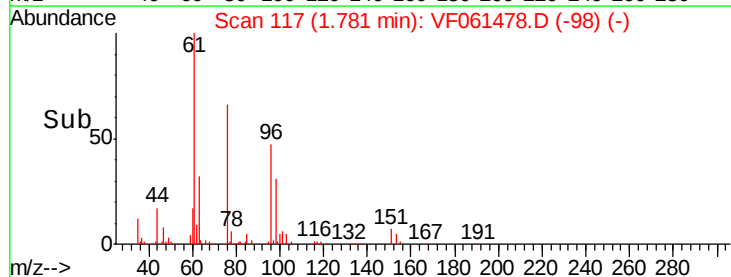
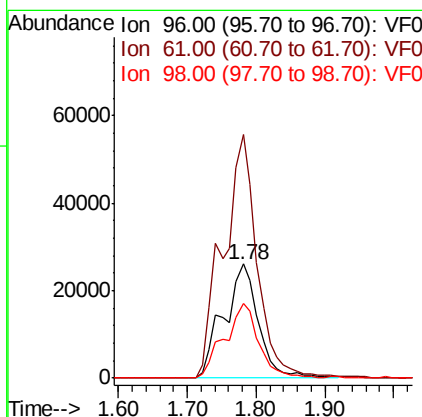
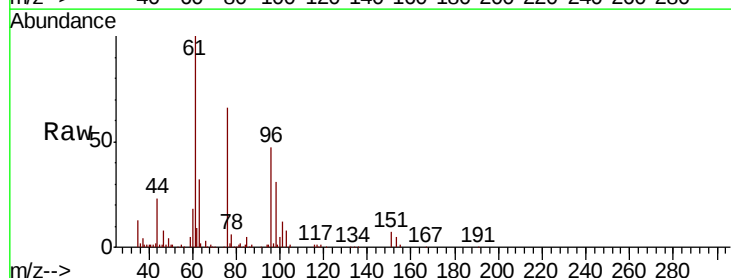
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

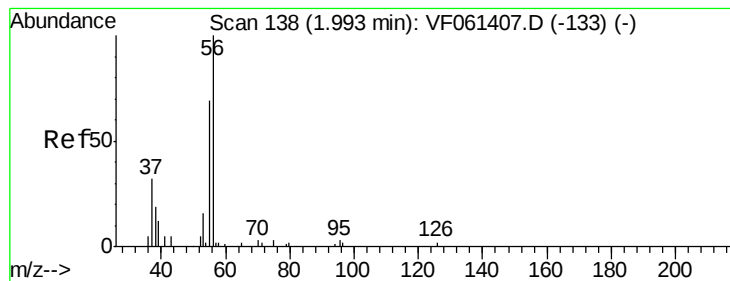
Tgt Ion: 59 Resp: 22587
Ion Ratio Lower Upper
59 100
57 10.8 11.9 17.9#



#12
1,1-Dichloroethene
Concen: 54.541 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 96 Resp: 91234
Ion Ratio Lower Upper
96 100
61 214.1 186.9 280.3
98 65.4 53.0 79.4





#13

Acrolein

Concen: 256.285 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

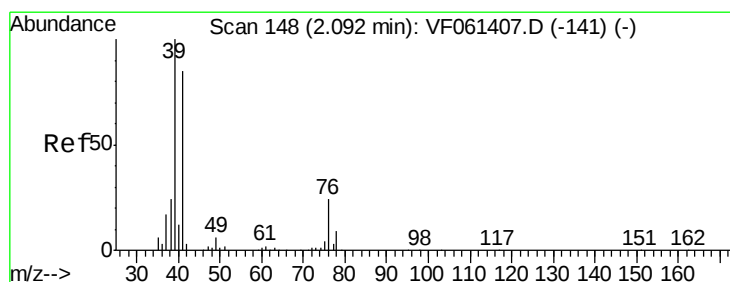
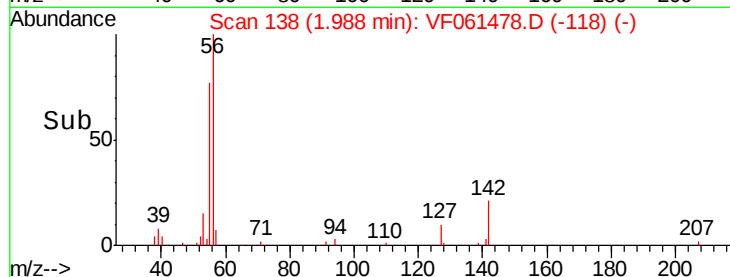
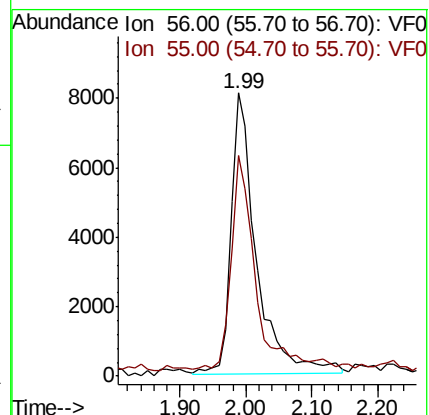
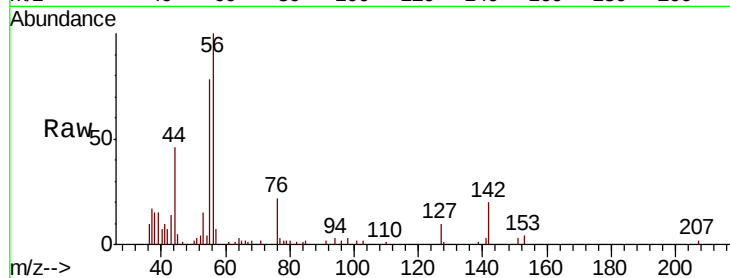
VSTDCCC050

Tgt Ion: 56 Resp: 21720

Ion Ratio Lower Upper

56 100

55 77.8 57.5 86.3



#14

Allyl chloride

Concen: 80.697 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

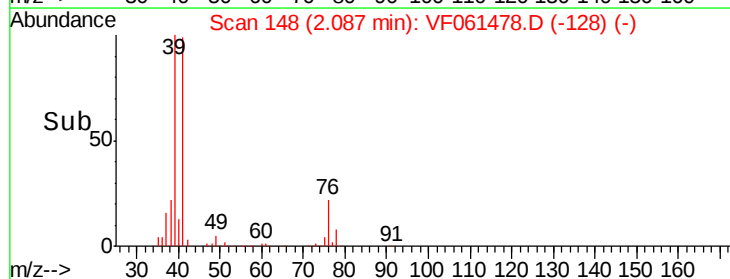
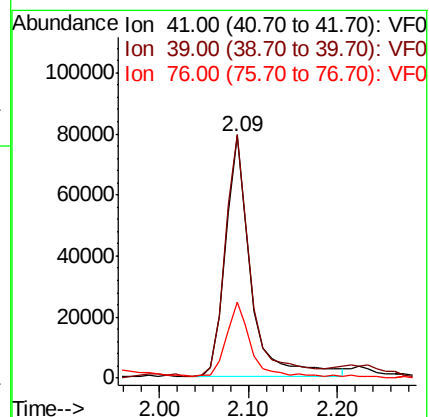
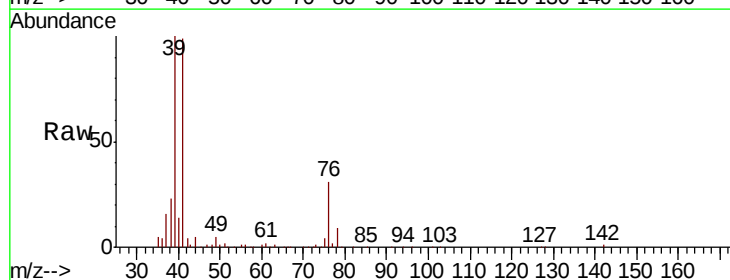
Tgt Ion: 41 Resp: 159655

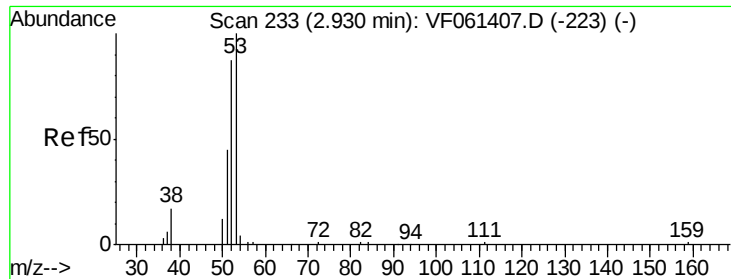
Ion Ratio Lower Upper

41 100

39 100.7 94.6 141.8

76 31.5 25.9 38.9





#15

Acrylonitrile

Concen: 266.435 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

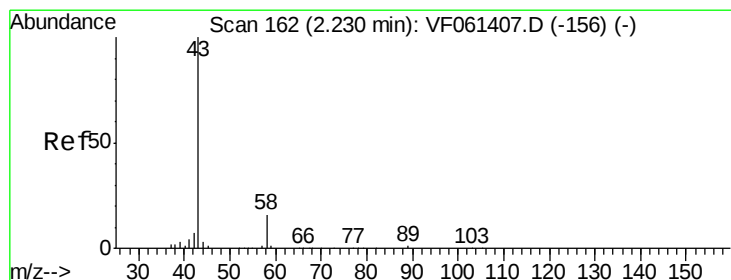
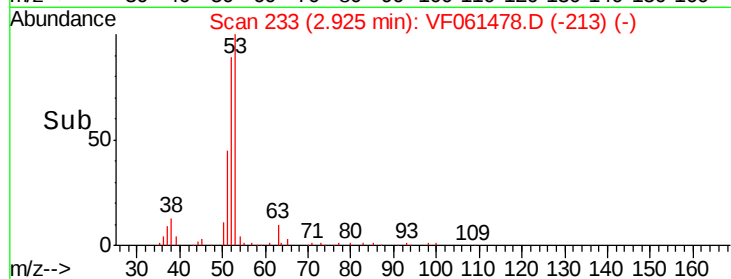
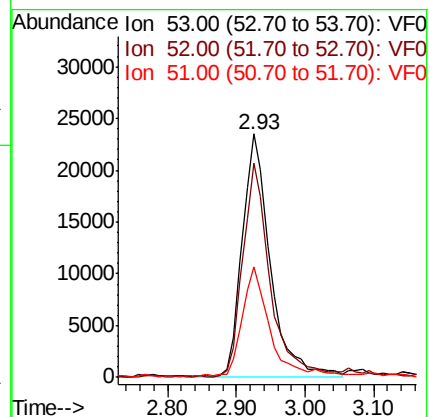
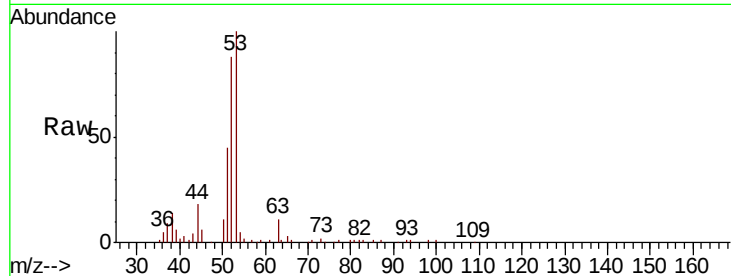
Tgt Ion: 53 Resp: 67079

Ion Ratio Lower Upper

53 100

52 88.0 69.6 104.4

51 45.4 36.8 55.2



#16

Acetone

Concen: 342.045 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061478.D

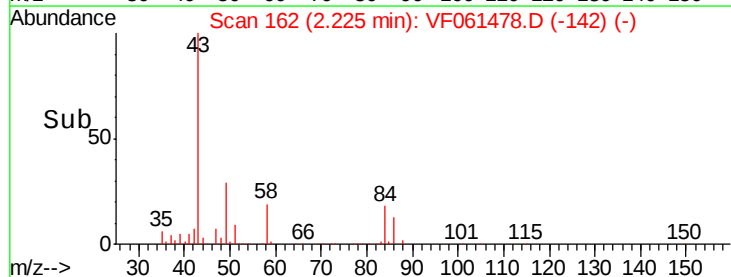
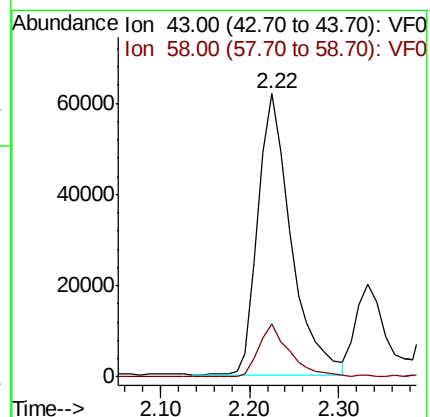
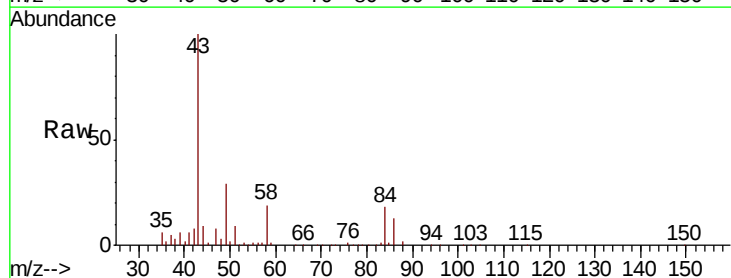
Acq: 23 Jan 2019 10:29

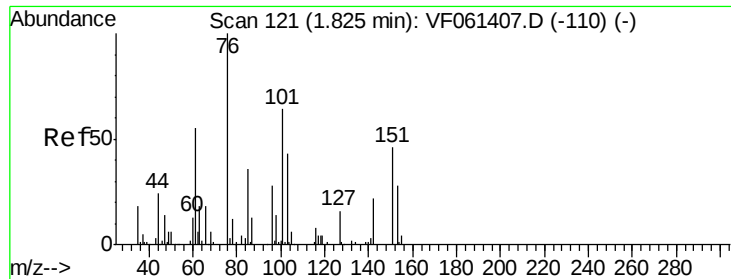
Tgt Ion: 43 Resp: 159335

Ion Ratio Lower Upper

43 100

58 18.6 13.3 19.9

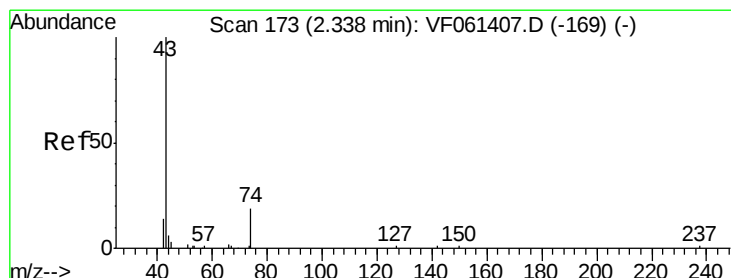
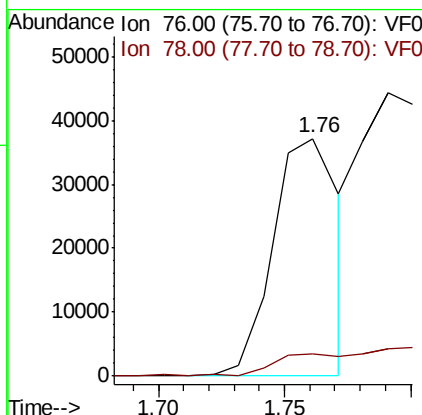
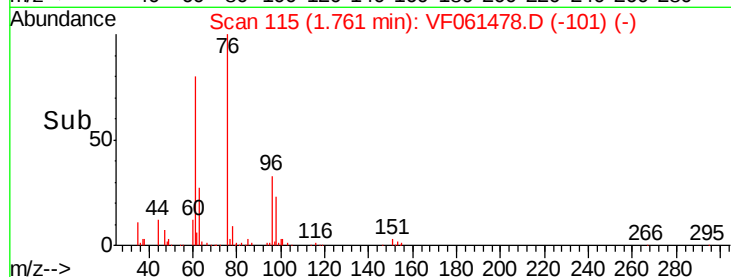
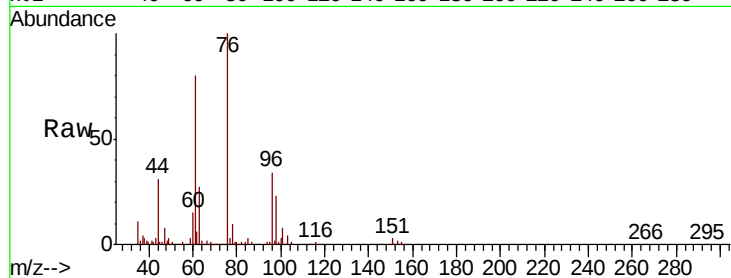




#17
Carbon Disulfide
Concen: 13.050 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

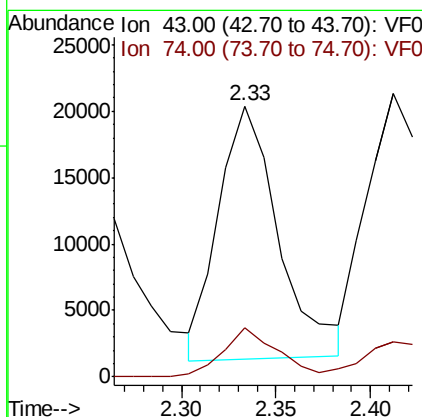
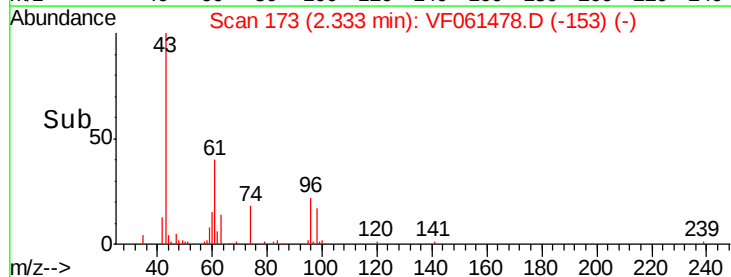
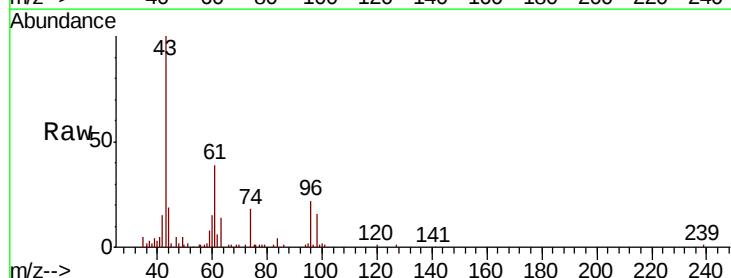
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

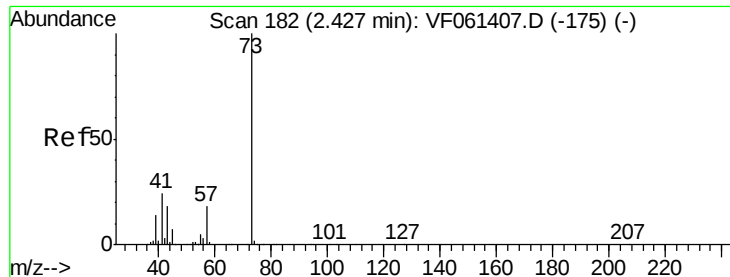
Tgt Ion: 76 Resp: 68066
Ion Ratio Lower Upper
76 100
78 9.6 9.6 14.4



#18
Methyl Acetate
Concen: 45.448 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 43 Resp: 41986
Ion Ratio Lower Upper
43 100
74 17.9 13.4 20.0



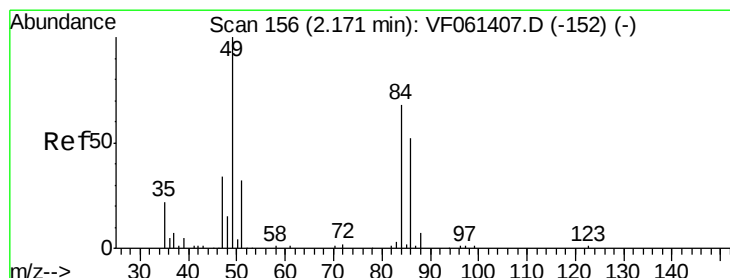
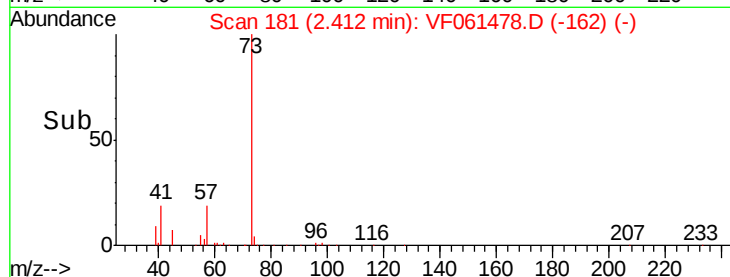
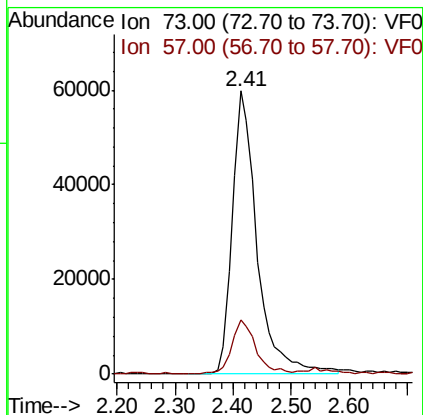
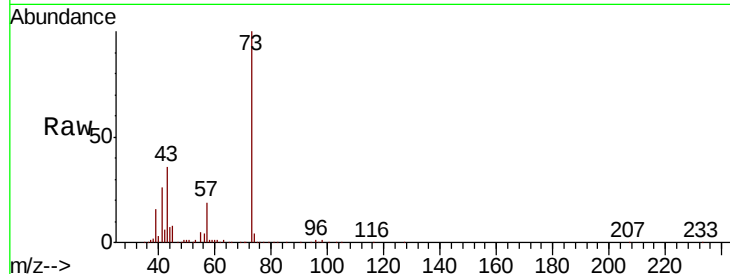


#19

Methyl tert-butyl Ether
 Concen: 47.505 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

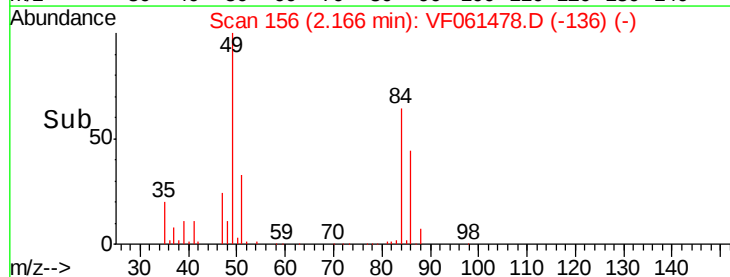
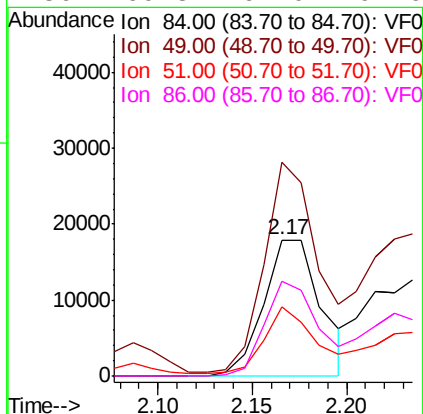
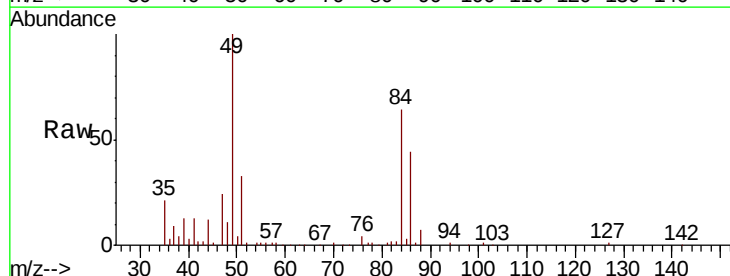
Tgt Ion: 73 Resp: 178137
 Ion Ratio Lower Upper
 73 100
 57 19.3 14.8 22.2

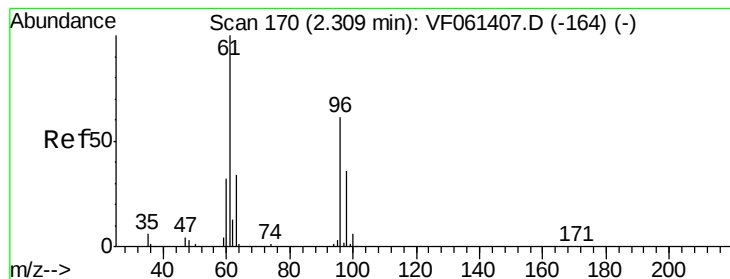


#20

Methylene Chloride
 Concen: 22.948 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion: 84 Resp: 37791
 Ion Ratio Lower Upper
 84 100
 49 157.0 120.0 180.0
 51 51.2 38.6 58.0
 86 69.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 48.601 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

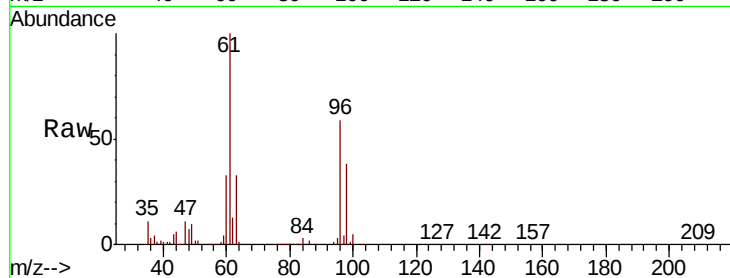
Tgt Ion: 96 Resp: 89446

Ion Ratio Lower Upper

96 100

61 170.1 131.8 197.8

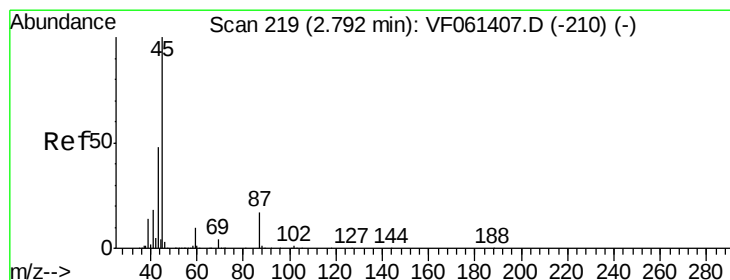
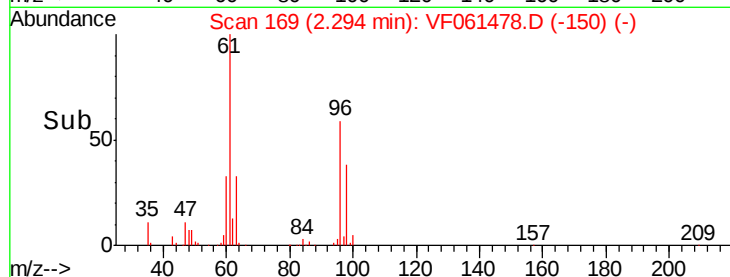
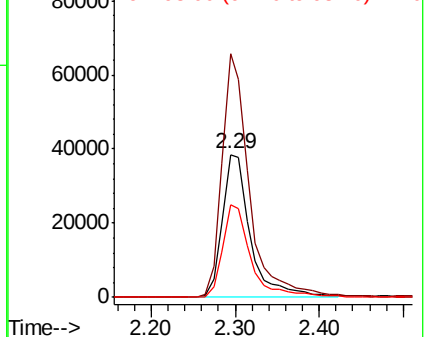
98 65.1 47.4 71.0



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



#22

Diisopropyl ether

Concen: 51.878 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion: 45 Resp: 308818

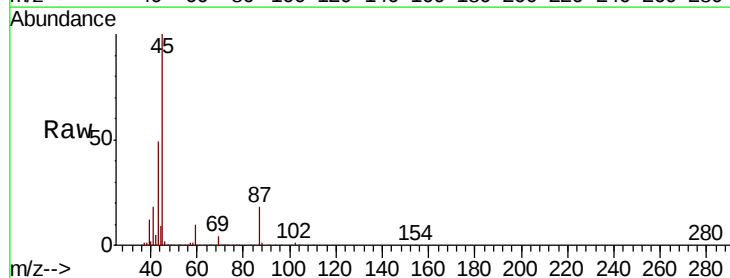
Ion Ratio Lower Upper

45 100

43 49.4 39.0 58.6

87 18.0 13.9 20.9

59 10.1 7.8 11.6

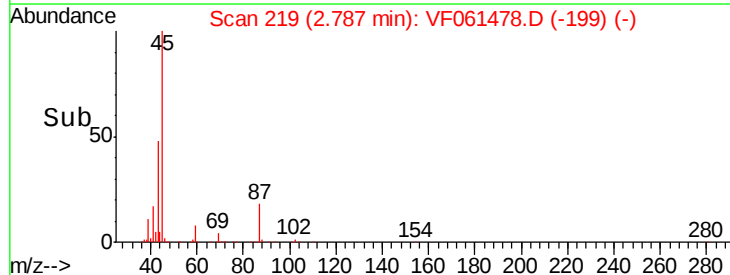
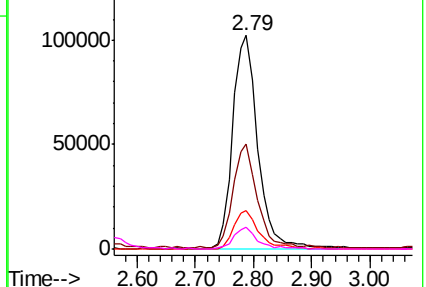


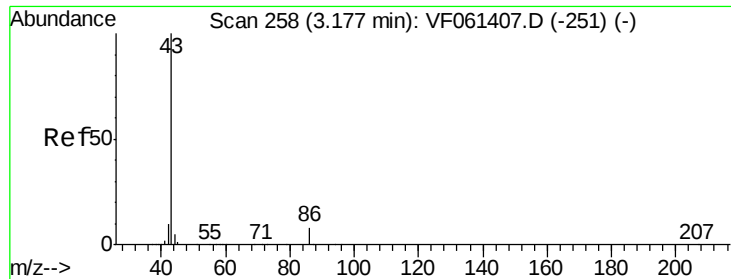
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 263.077 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

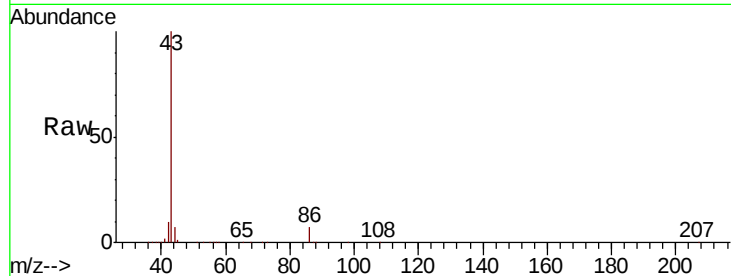
VSTDCCC050

Tgt Ion: 43 Resp: 689260

Ion Ratio Lower Upper

43 100

86 7.4 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

250000

200000

150000

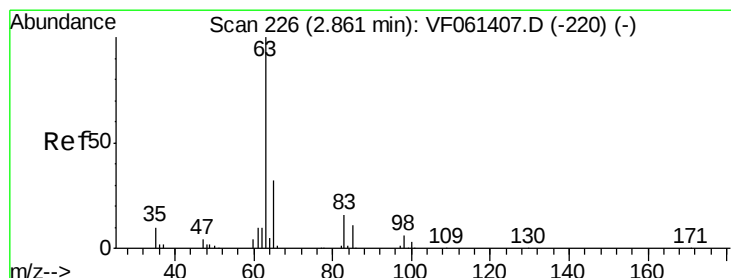
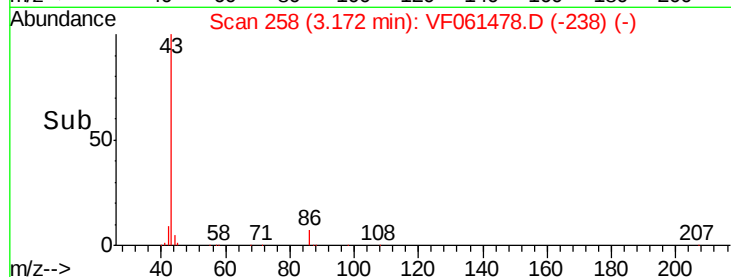
100000

50000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 50.518 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

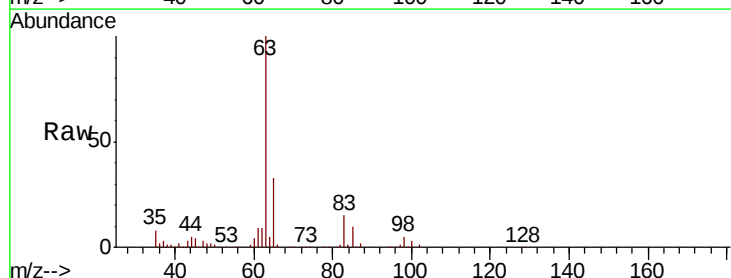
Tgt Ion: 63 Resp: 188739

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.8

100 2.7 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

100000

80000

60000

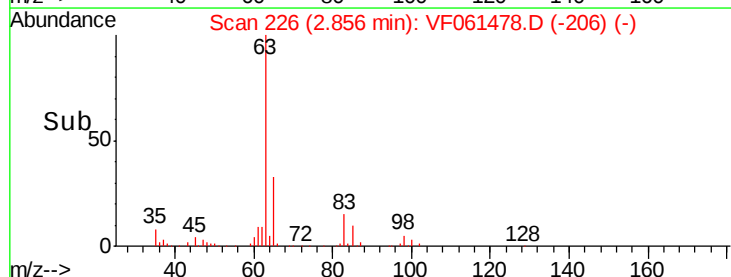
40000

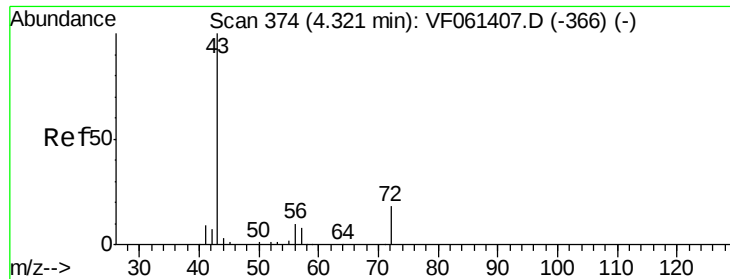
20000

0

Time-->

2.70 2.80 2.90 3.00

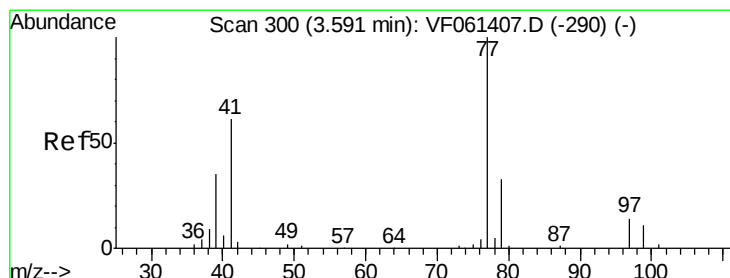
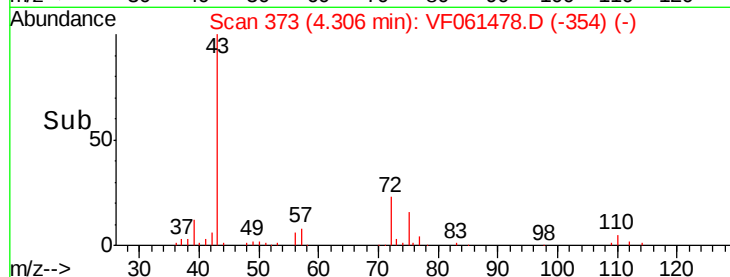
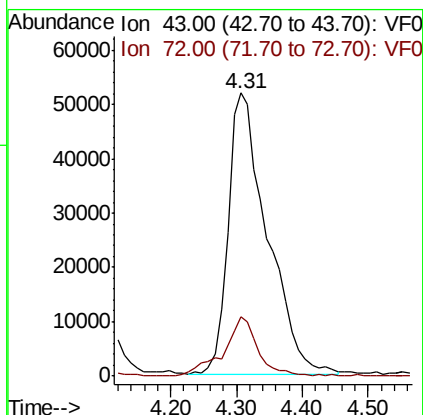
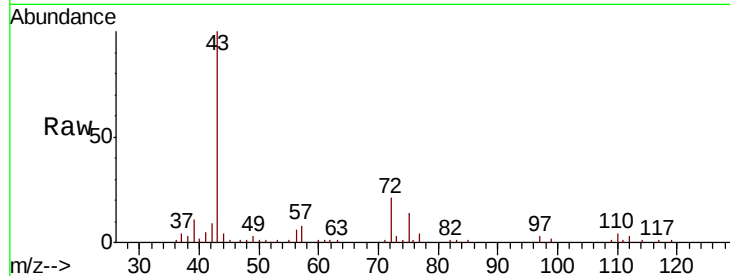




#25
2-Butanone
Concen: 276.236 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

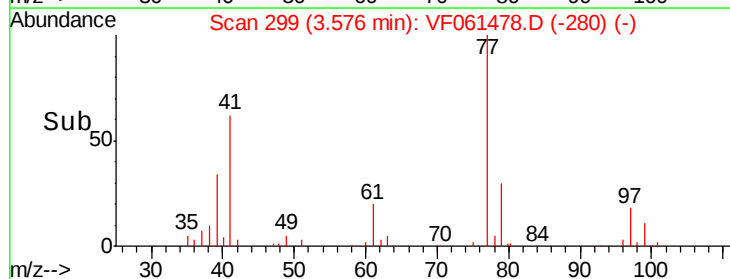
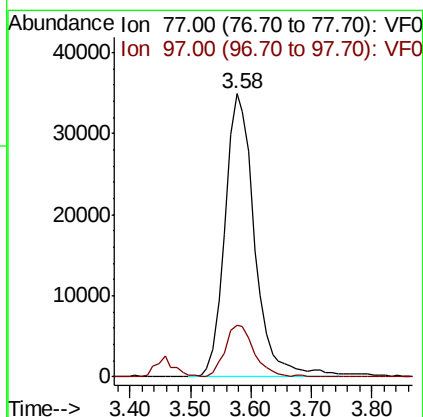
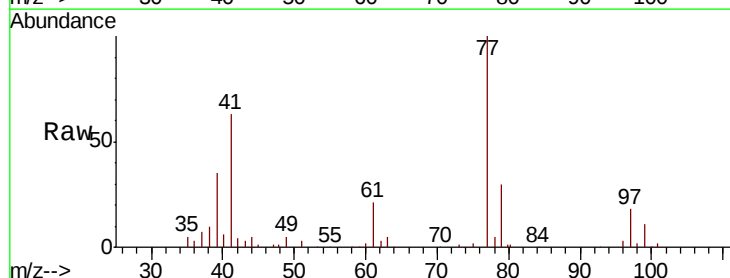
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

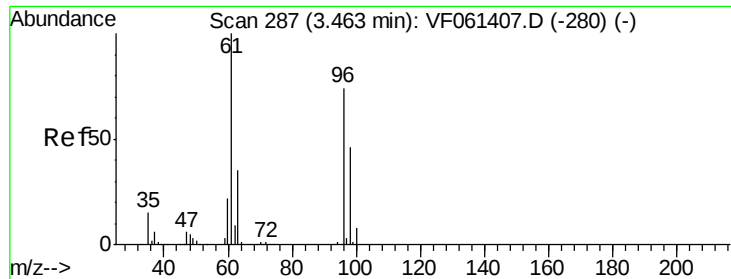
Tgt Ion: 43 Resp: 213988
Ion Ratio Lower Upper
43 100
72 21.1 15.8 23.6



#26
2,2-Dichloropropane
Concen: 51.818 ug/l
RT: 3.58 min Scan# 299
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 77 Resp: 118945
Ion Ratio Lower Upper
77 100
97 18.3 8.5 25.5



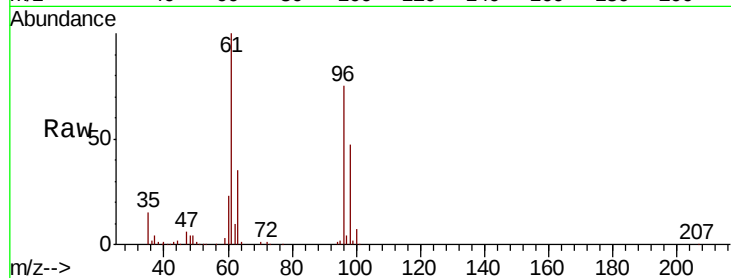


#27

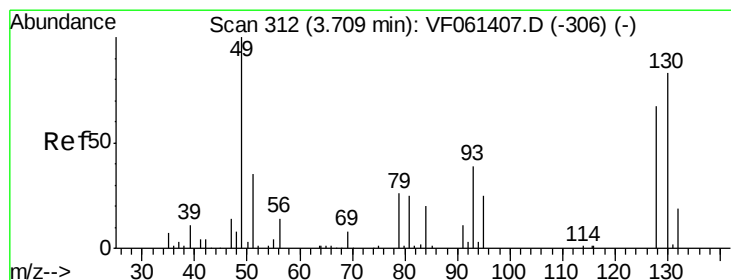
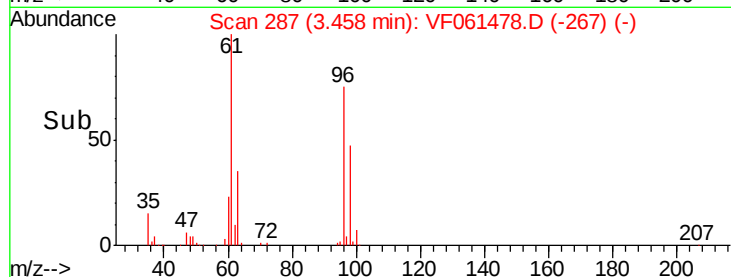
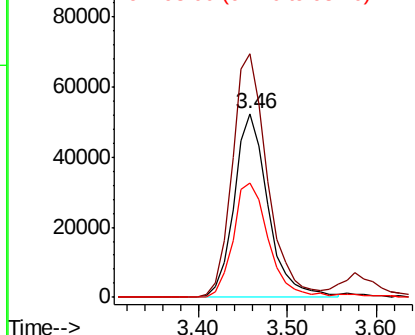
cis-1,2-Dichloroethene
 Concen: 51.179 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	270.2
98	62.7	0.0	124.0



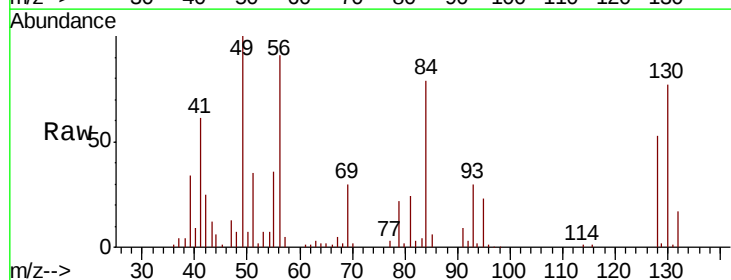
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



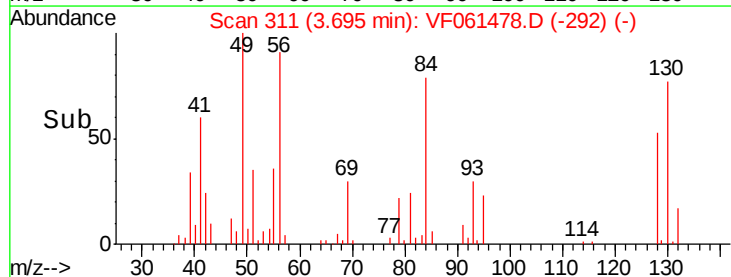
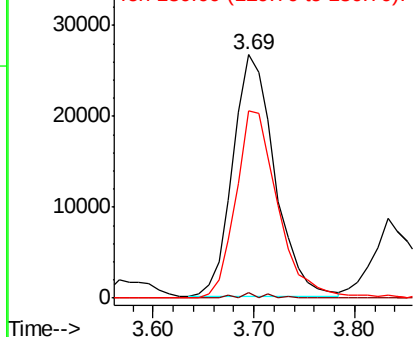
#28

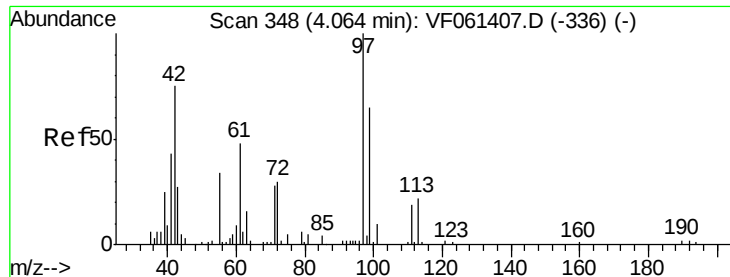
Bromochloromethane
 Concen: 46.081 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	77.1	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: 227.004 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

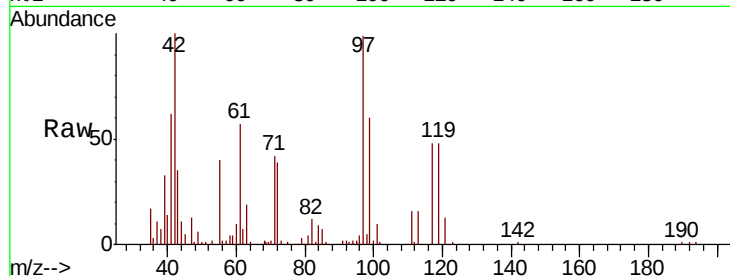
Tgt Ion: 42 Resp: 75720

Ion Ratio Lower Upper

42 100

72 38.1 28.9 43.3

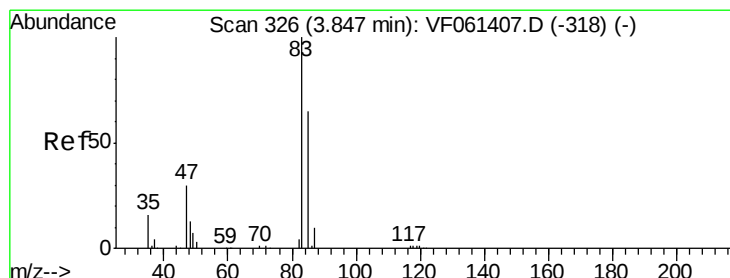
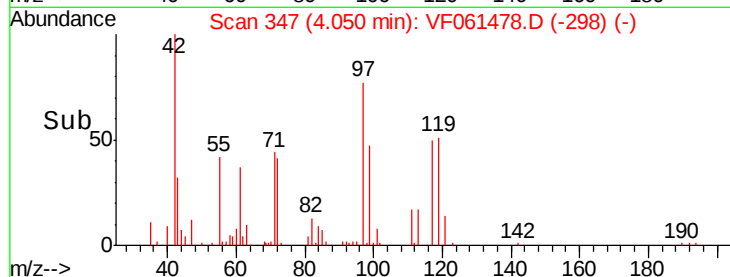
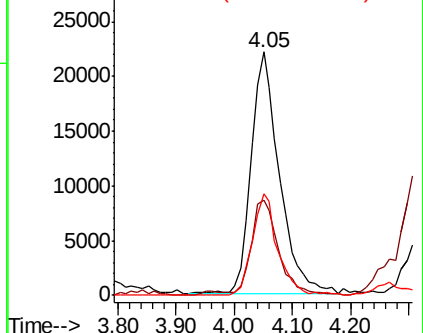
71 37.6 29.6 44.4



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: 51.954 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF061478.D

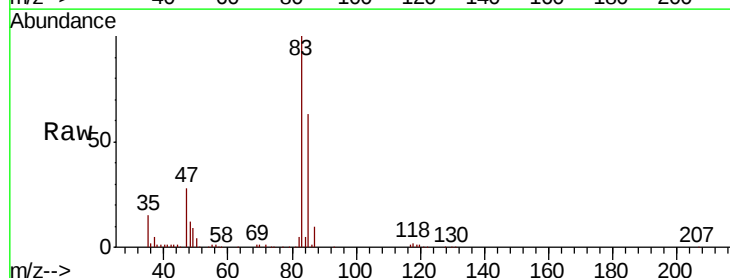
Acq: 23 Jan 2019 10:29

Tgt Ion: 83 Resp: 261958

Ion Ratio Lower Upper

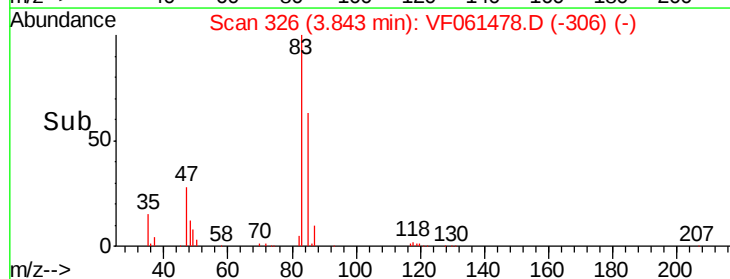
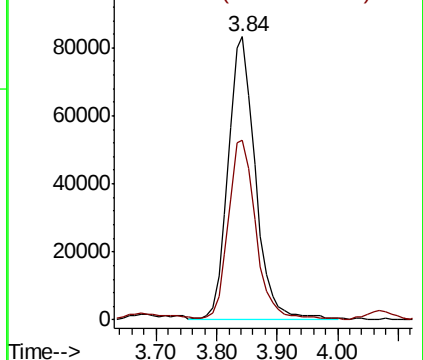
83 100

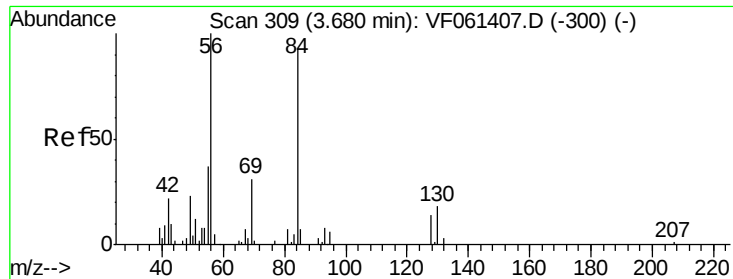
85 63.3 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

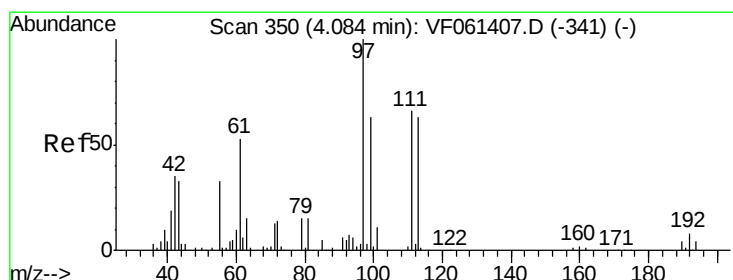
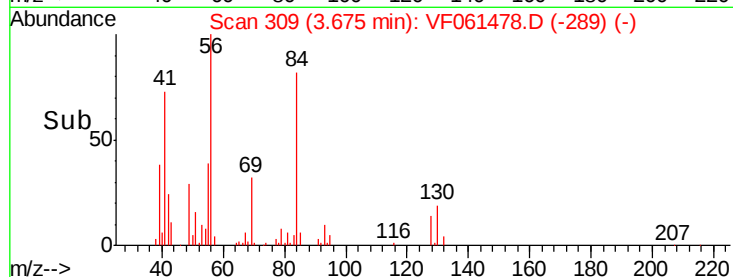
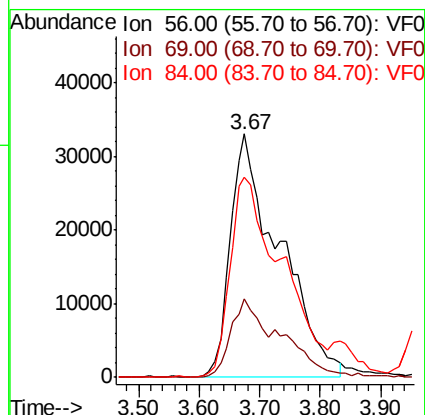
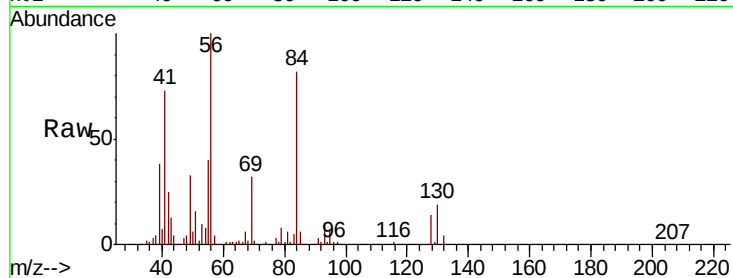




#31
Cyclohexane
Concen: 49.728 ug/l
RT: 3.67 min Scan# 309
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

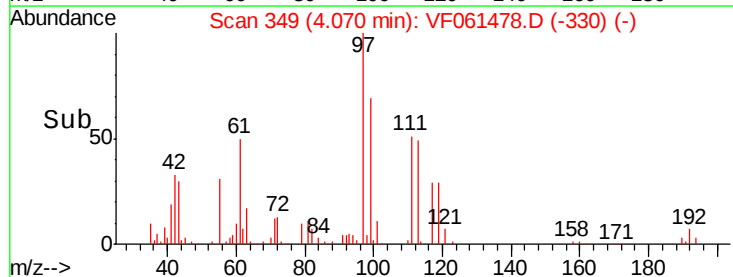
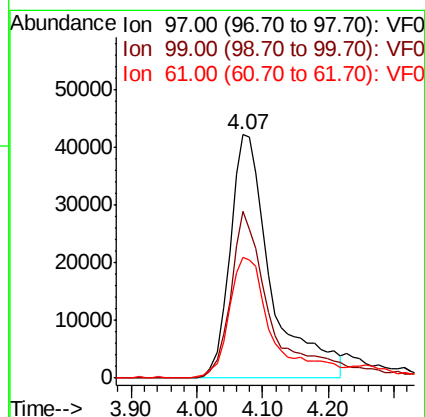
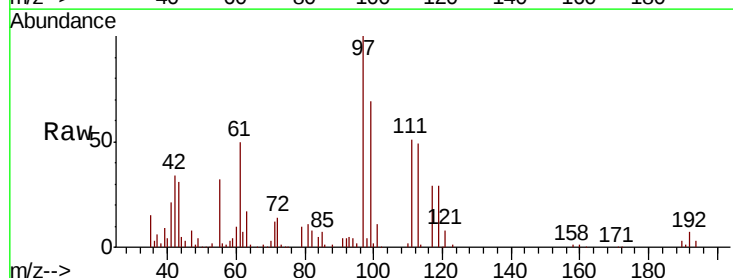
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

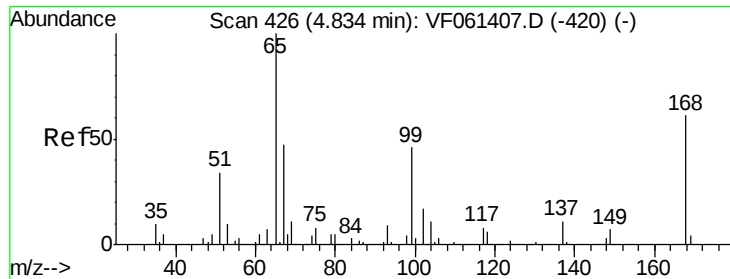
Tgt Ion: 56 Resp: 185585
Ion Ratio Lower Upper
56 100
69 32.2 24.6 36.8
84 82.1 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 50.032 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 97 Resp: 184973
Ion Ratio Lower Upper
97 100
99 68.7 50.1 75.1
61 49.6 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 45.928 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

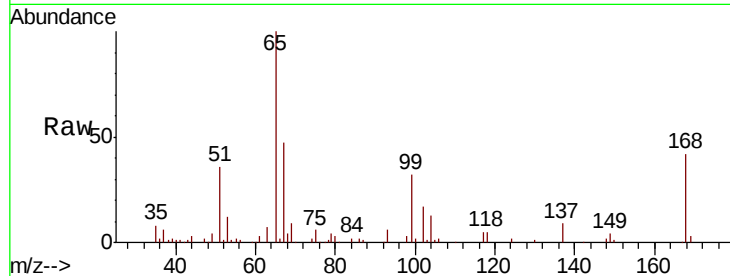
VSTDCCC050

Tgt Ion: 65 Resp: 106647

Ion Ratio Lower Upper

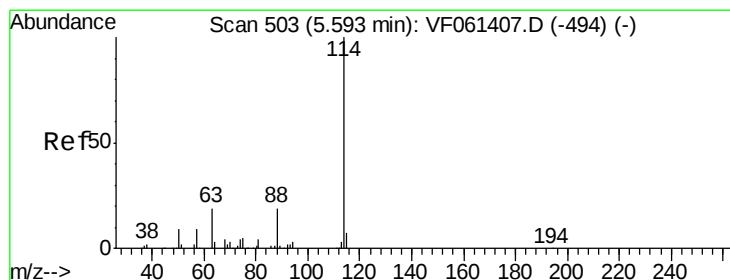
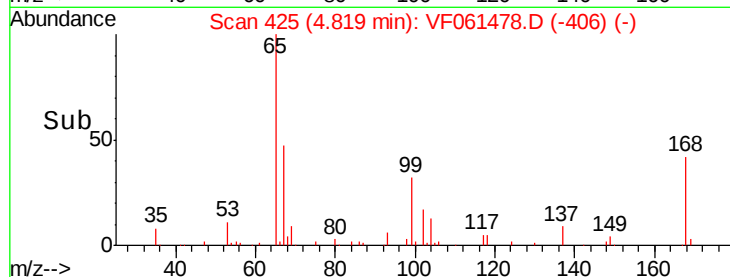
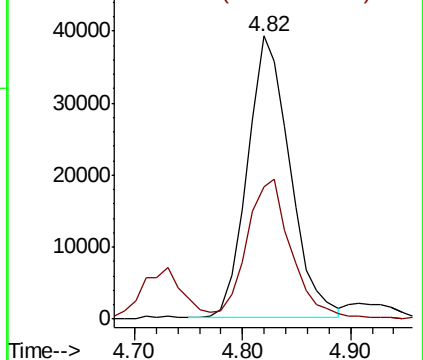
65 100

67 46.9 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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

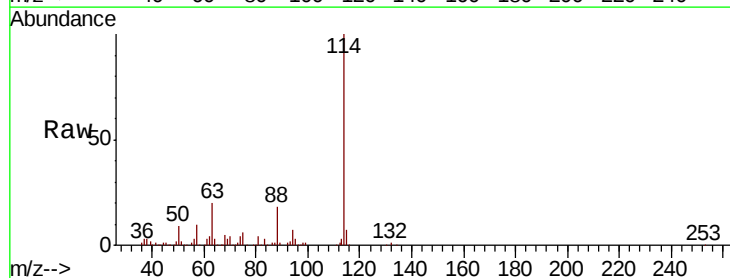
Tgt Ion: 114 Resp: 326961

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

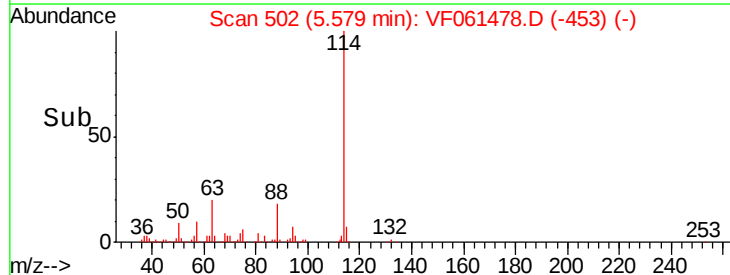
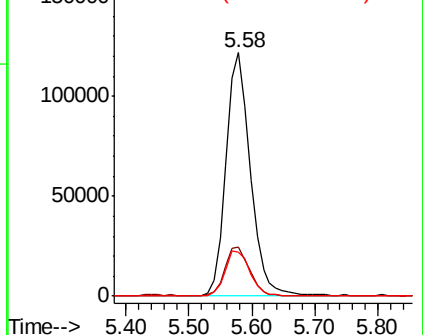
88 18.0 0.0 37.4

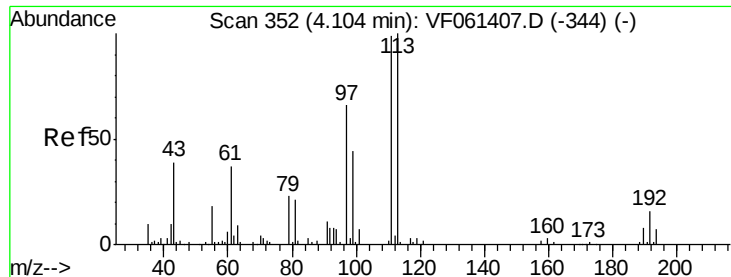


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.481 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

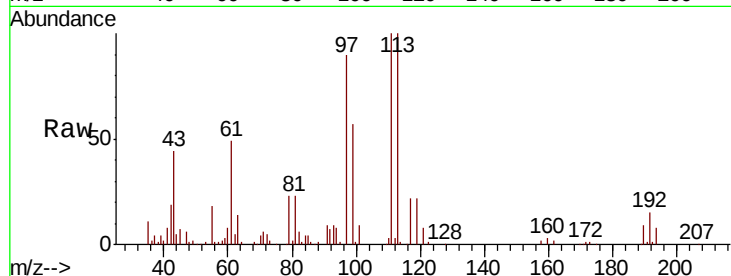
Tgt Ion:113 Resp: 130240

Ion Ratio Lower Upper

113 100

111 100.2 79.4 119.0

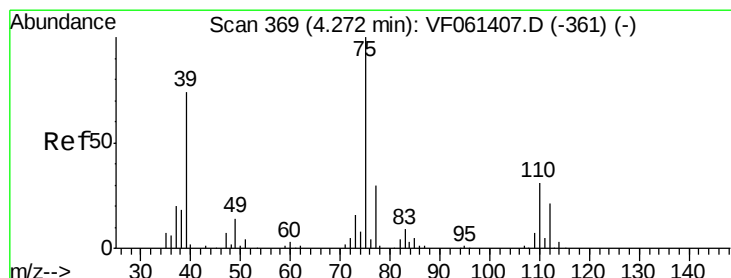
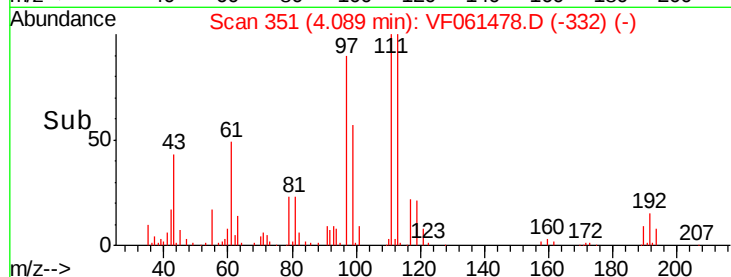
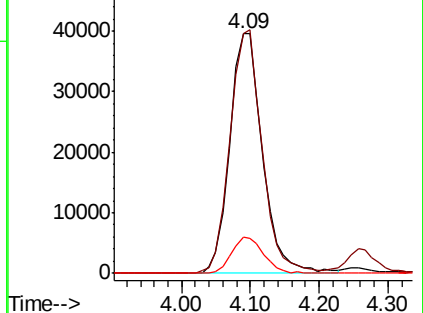
192 16.2 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 50.780 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

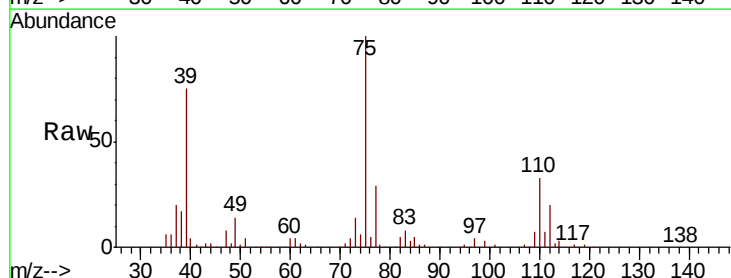
Tgt Ion: 75 Resp: 192506

Ion Ratio Lower Upper

75 100

110 33.4 15.8 47.3

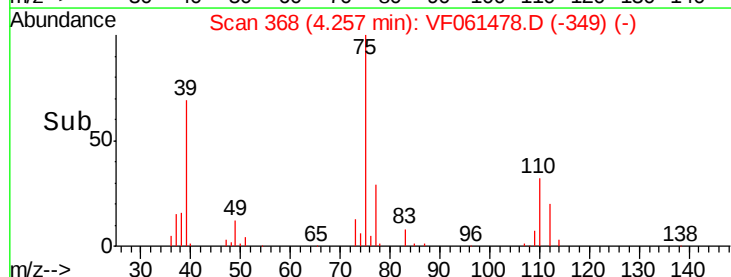
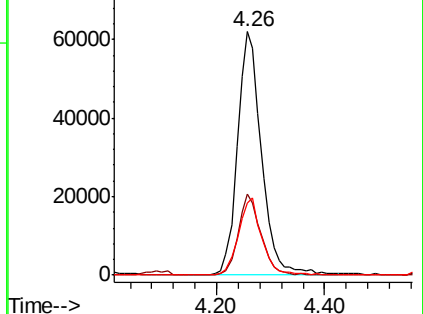
77 29.4 24.0 36.0

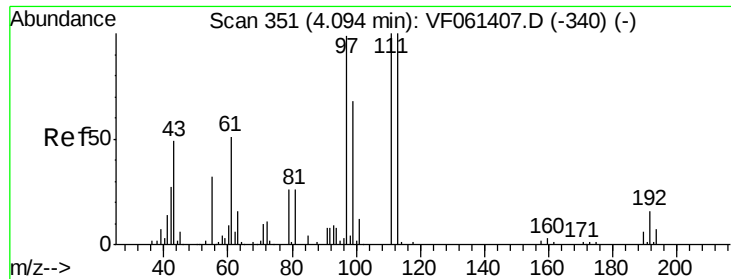


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 44.496 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

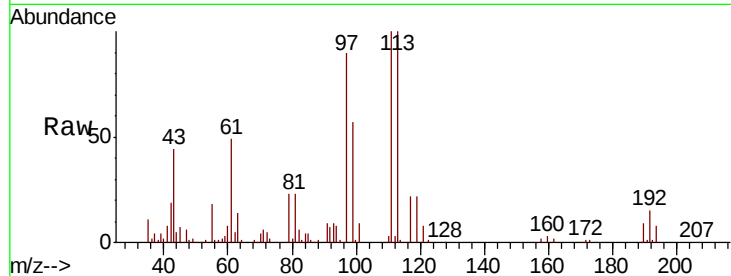
Tgt Ion: 43 Resp: 67428

Ion Ratio Lower Upper

43 100

61 109.8 81.7 122.5

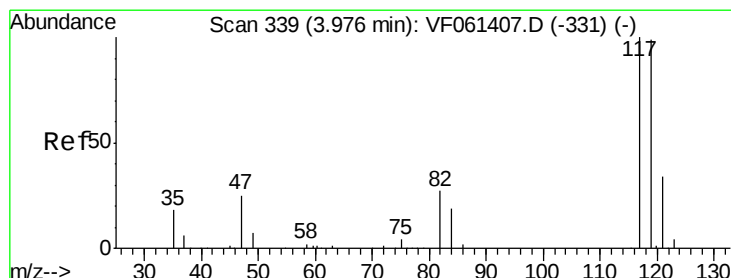
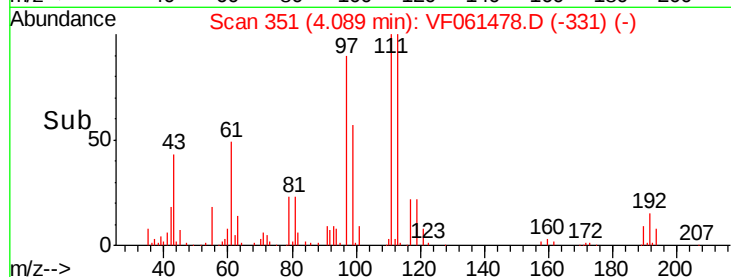
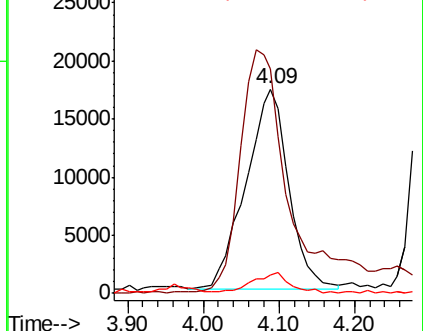
70 9.2 6.2 9.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.386 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

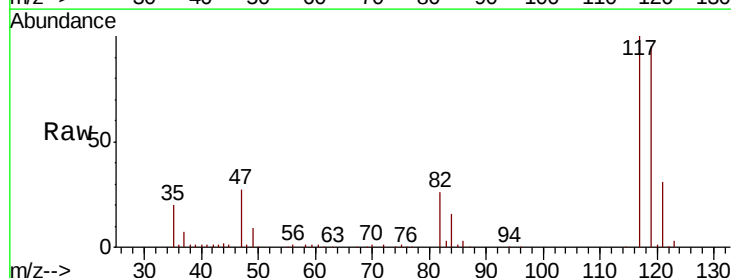
Tgt Ion: 117 Resp: 173616

Ion Ratio Lower Upper

117 100

119 94.6 79.0 118.6

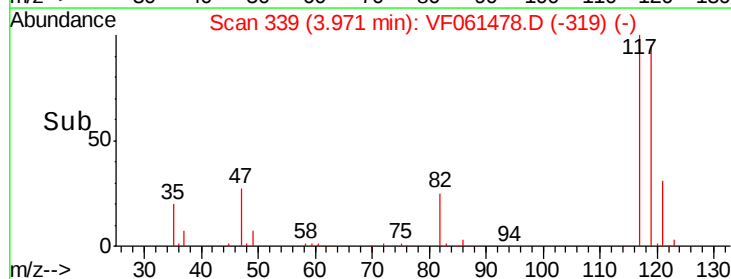
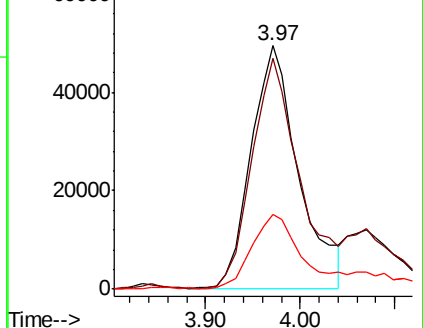
121 30.8 27.0 40.6

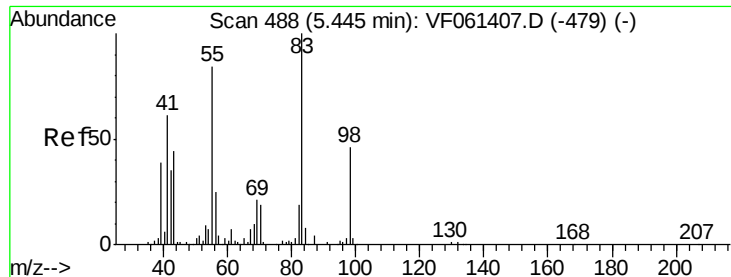


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

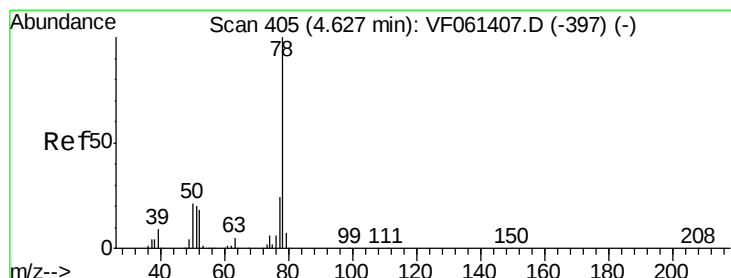
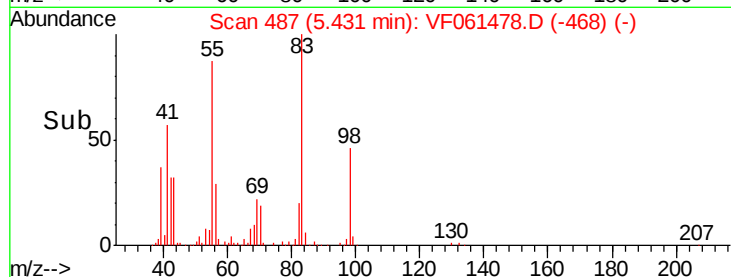
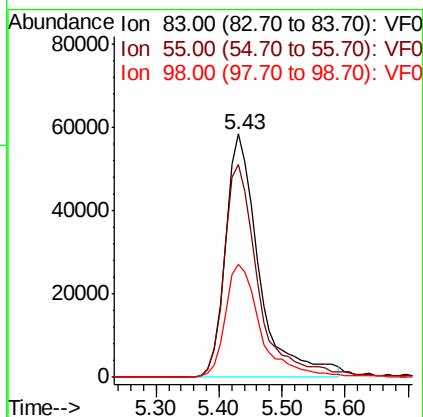
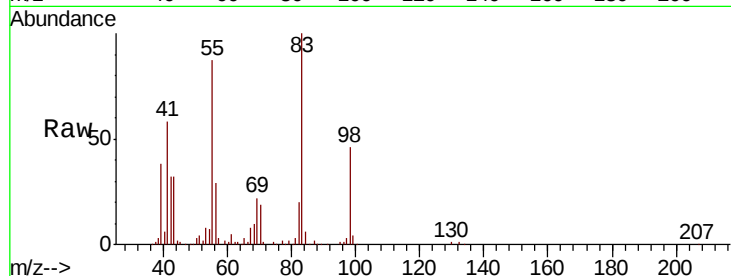




#39
Methylcyclohexane
Concen: 52.539 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

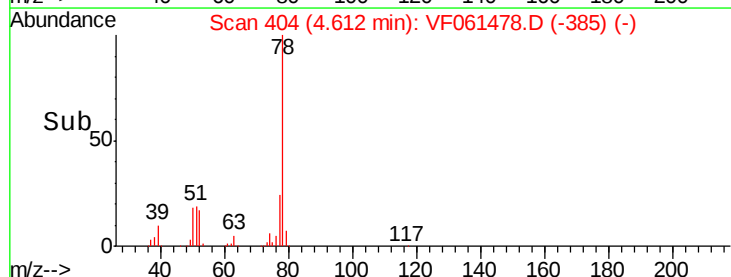
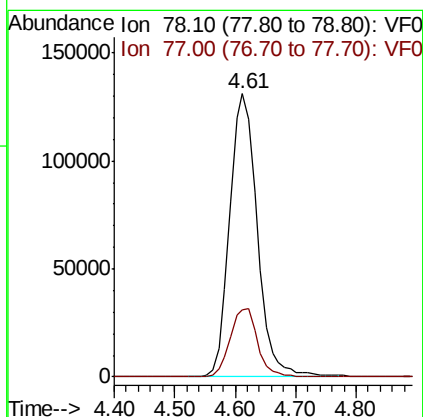
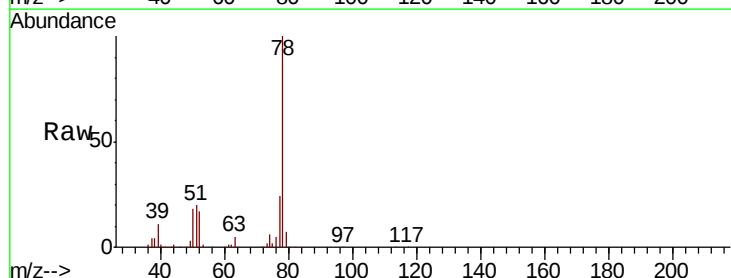
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 215846
Ion Ratio Lower Upper
83 100
55 87.2 67.4 101.2
98 46.3 36.7 55.1



#40
Benzene
Concen: 49.485 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 78 Resp: 417433
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

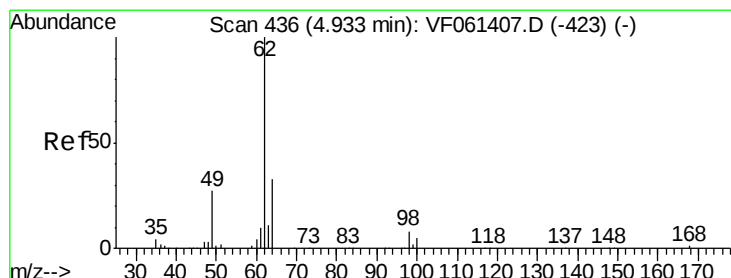
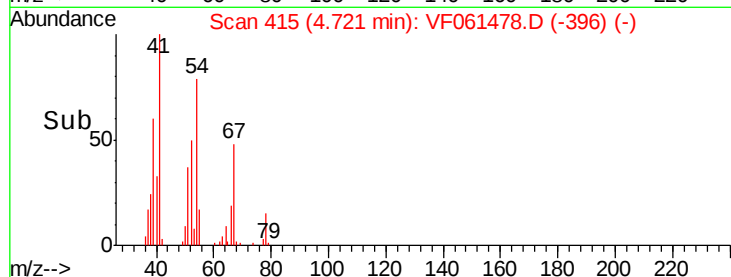
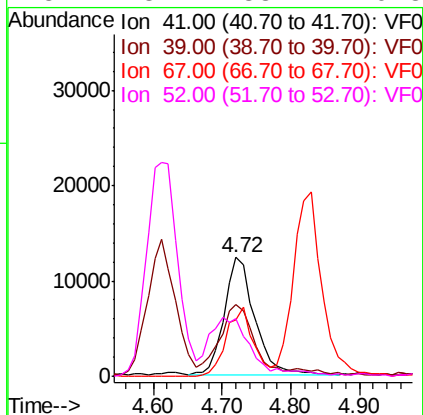
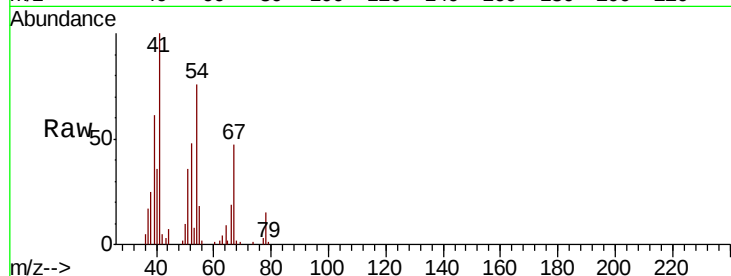




#41
Methacrylonitrile
Concen: 46.742 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

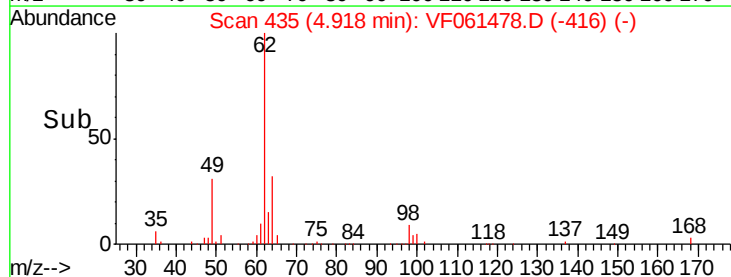
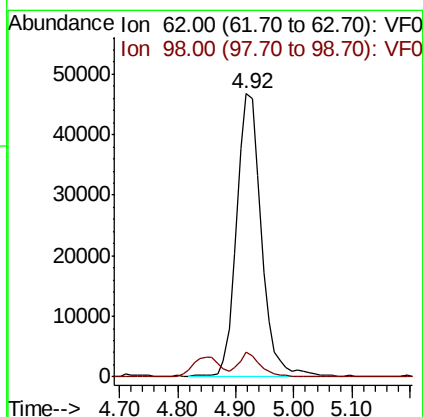
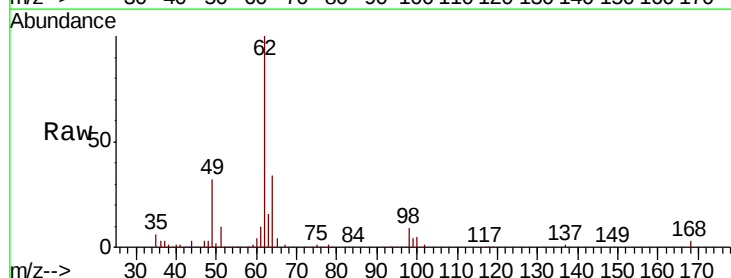
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

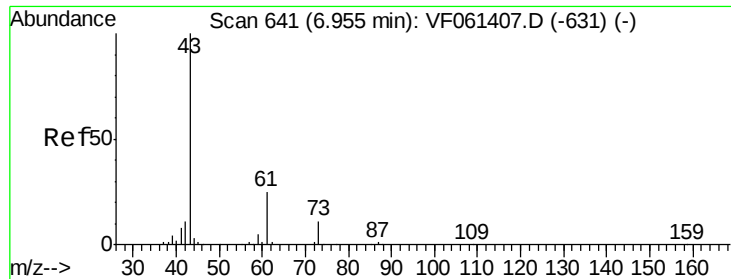
Tgt Ion:	41	Resp:	37690
Ion	Ratio	Lower	Upper
41	100		
39	60.5	43.1	64.7
67	46.9	38.8	58.2
52	48.2	33.2	49.8



#42
1,2-Dichloroethane
Concen: 46.601 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion:	62	Resp:	140081
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0





#43

Isopropyl Acetate

Concen: 48.410 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

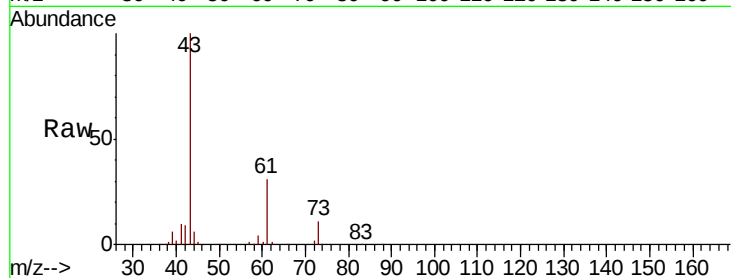
Tgt Ion: 43 Resp: 92070

Ion Ratio Lower Upper

43 100

61 30.8 20.3 30.5#

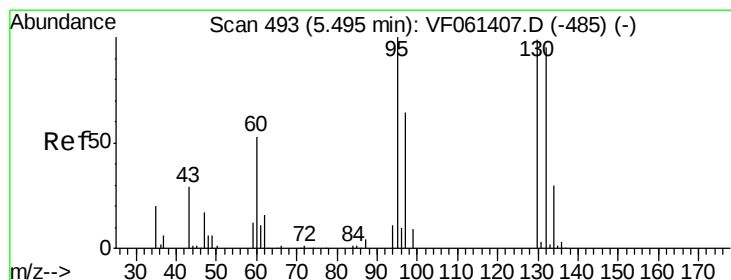
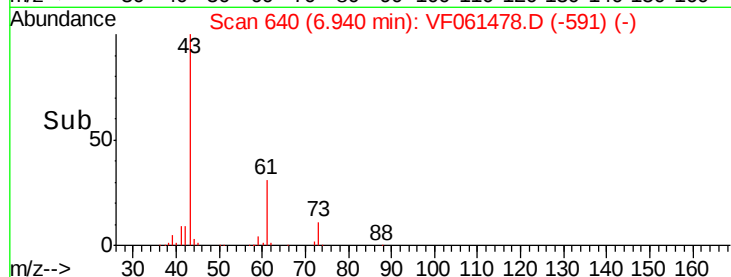
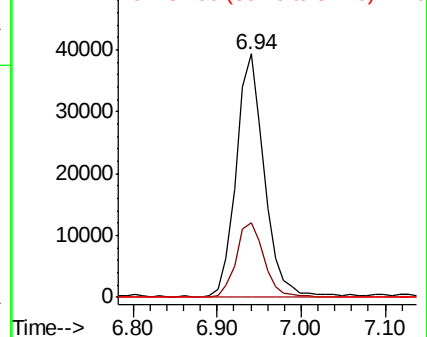
87 0.0 0.5 0.7#



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: 52.559 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.01 min

Lab File: VF061478.D

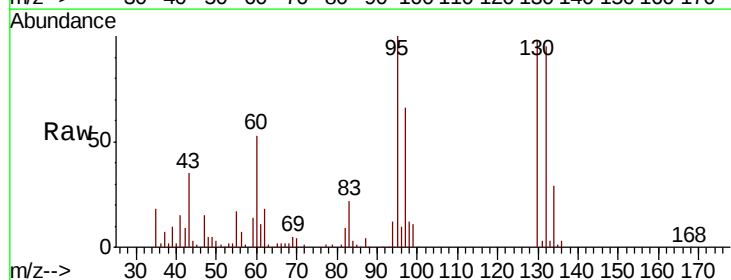
Acq: 23 Jan 2019 10:29

Tgt Ion:130 Resp: 136008

Ion Ratio Lower Upper

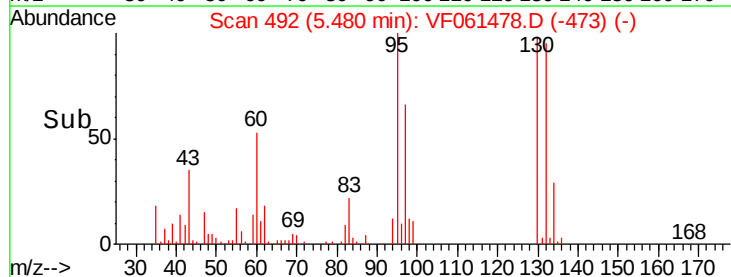
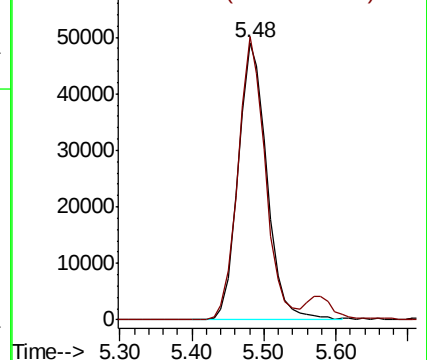
130 100

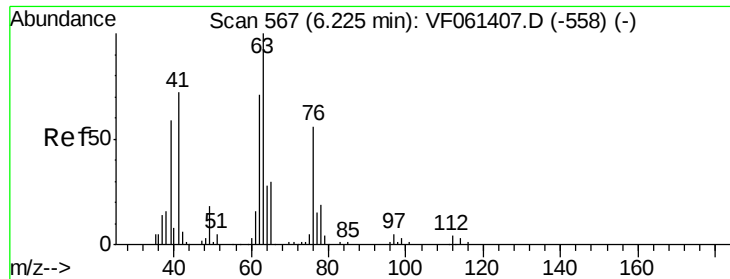
95 102.2 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

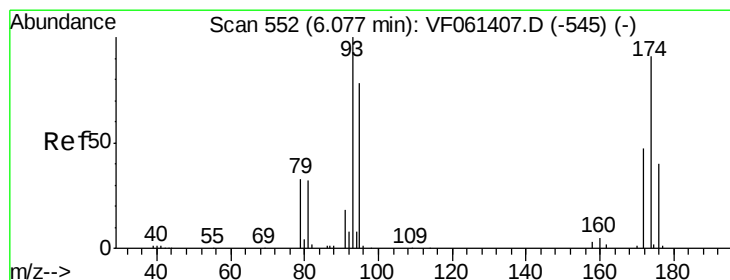
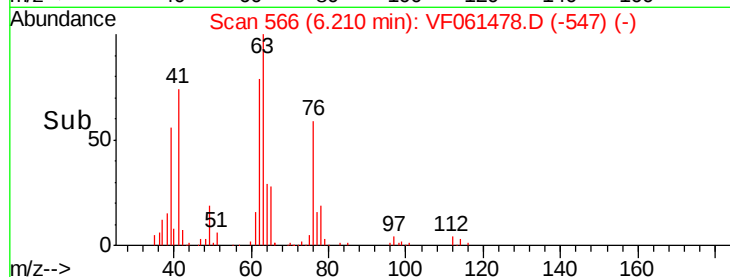
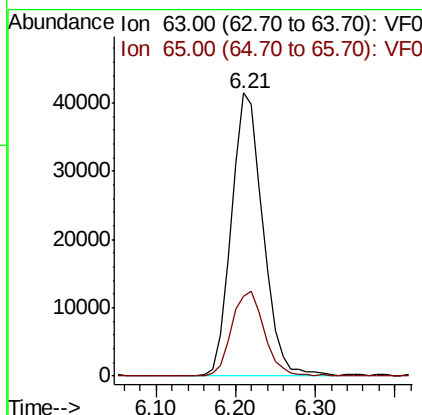
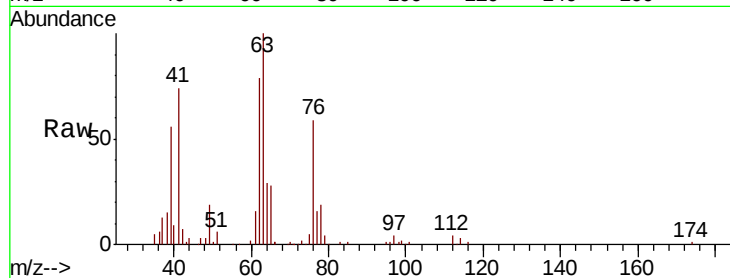




#45
 1,2-Dichloropropane
 Concen: 51.760 ug/l
 RT: 6.21 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

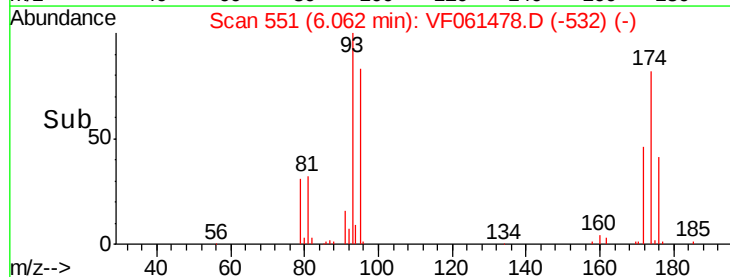
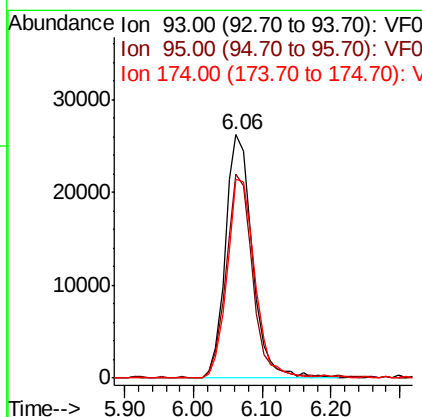
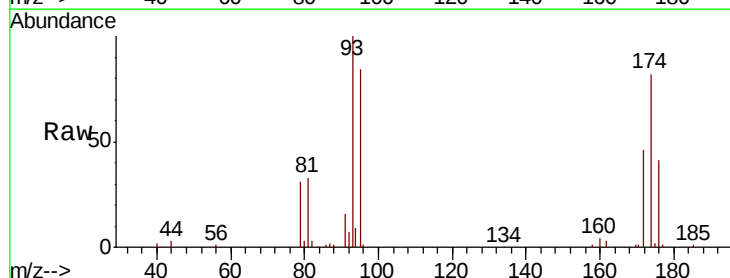
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 114593
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.4 36.6



#46
 Dibromomethane
 Concen: 48.208 ug/l
 RT: 6.06 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion: 93 Resp: 70968
 Ion Ratio Lower Upper
 93 100
 95 83.8 62.1 93.1
 174 81.8 74.6 111.8





#47

Bromodichloromethane

Concen: 50.603 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

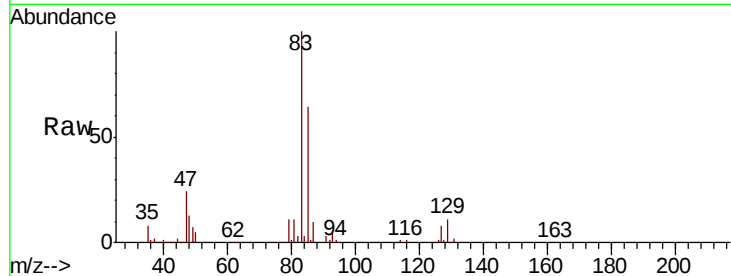
Tgt Ion: 83 Resp: 184313

Ion Ratio Lower Upper

83 100

85 64.3 53.0 79.4

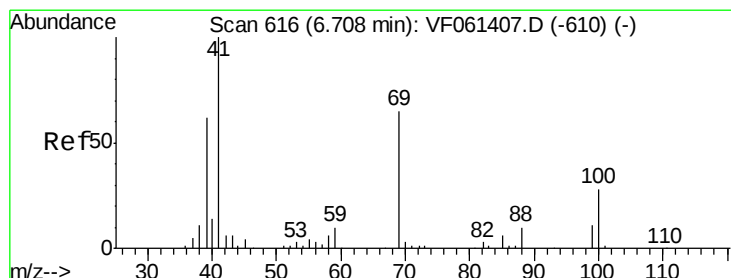
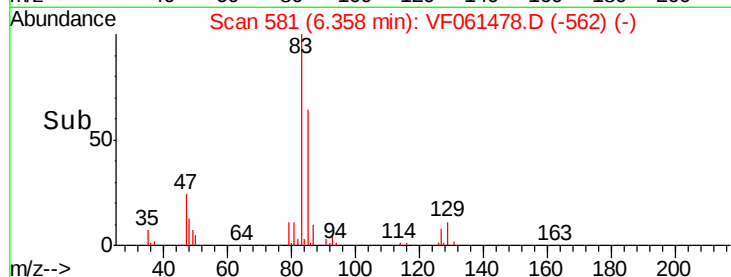
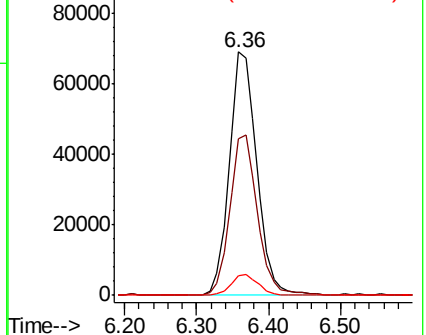
127 8.1 6.9 10.3



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: 48.025 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

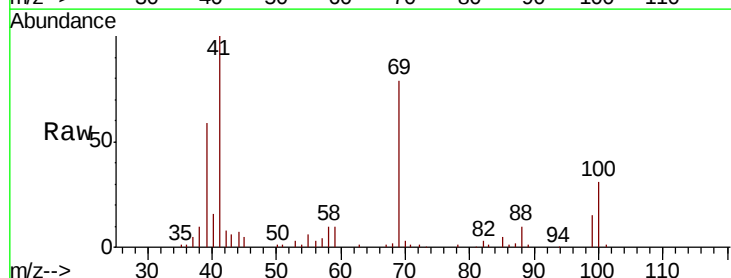
Tgt Ion: 41 Resp: 61334

Ion Ratio Lower Upper

41 100

69 78.5 51.7 77.5#

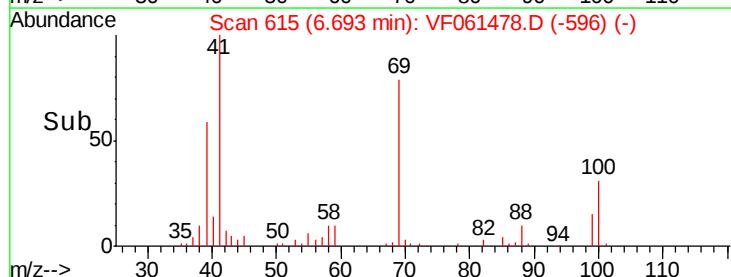
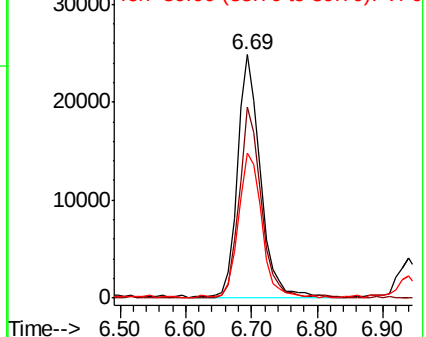
39 59.4 49.2 73.8

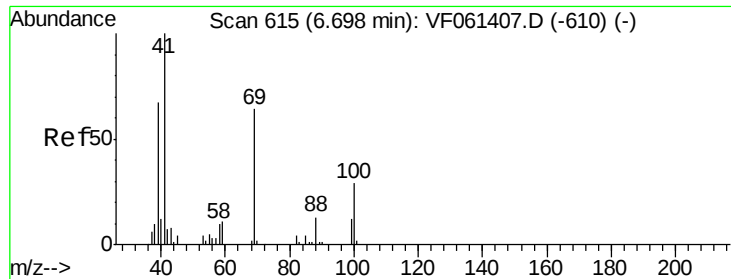


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

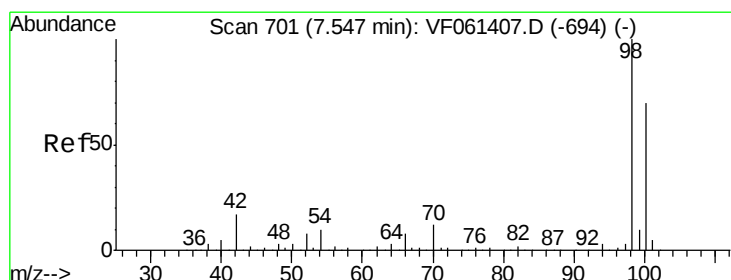
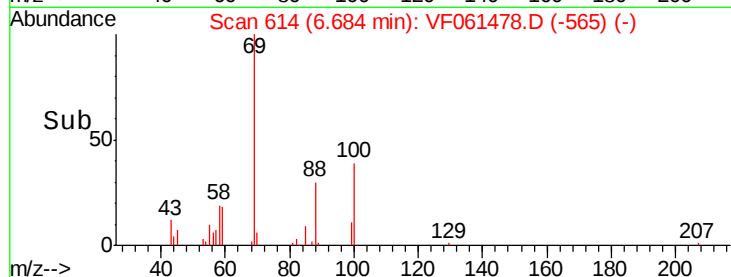
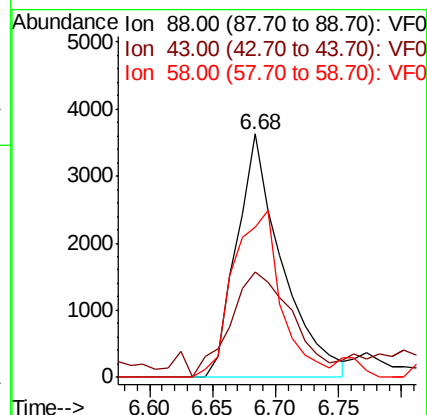
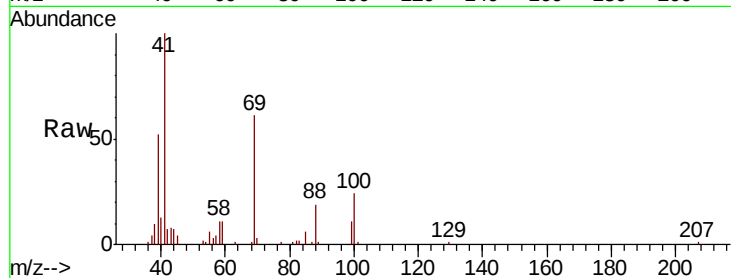




#49
1,4-Dioxane
Concen: 1011.951 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

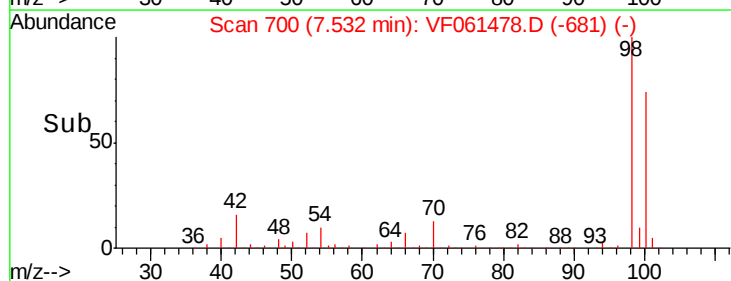
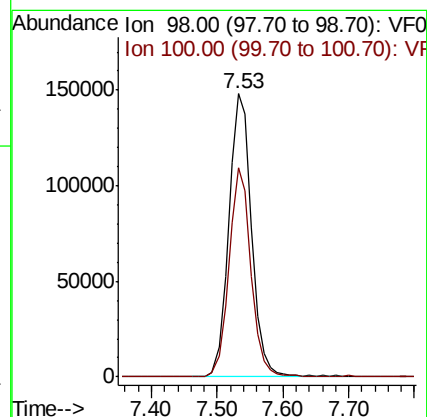
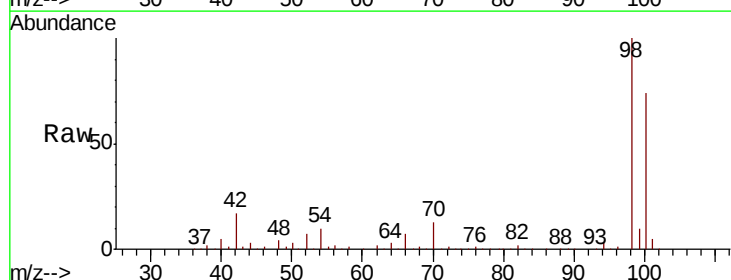
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

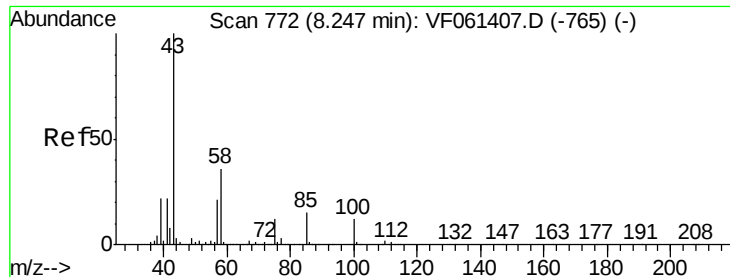
Tgt Ion: 88 Resp: 9014
Ion Ratio Lower Upper
88 100
43 43.1 55.5 83.3#
58 61.7 59.9 89.9



#50
Toluene-d8
Concen: 50.722 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 98 Resp: 358538
Ion Ratio Lower Upper
98 100
100 73.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 227.797 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

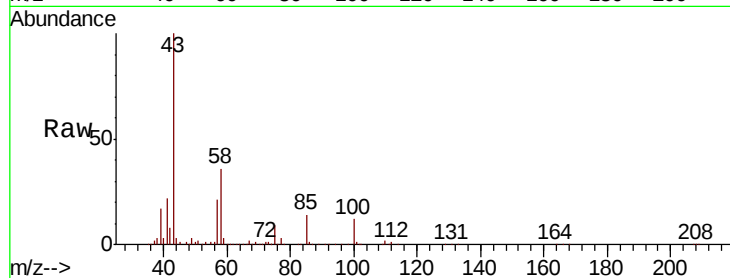
VSTDCCC050

Tgt Ion: 43 Resp: 318503

Ion Ratio Lower Upper

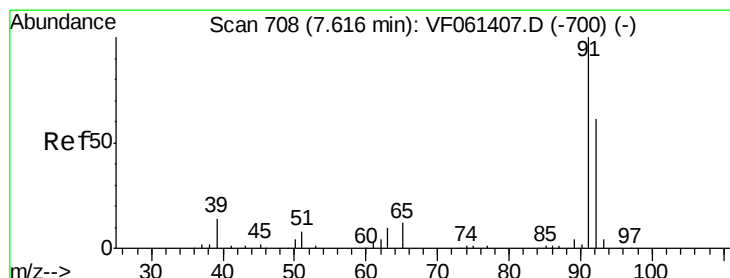
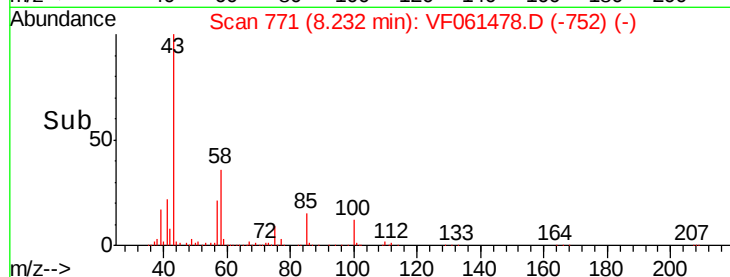
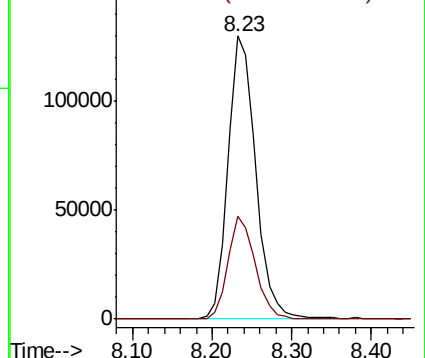
43 100

58 36.4 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: 50.597 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061478.D

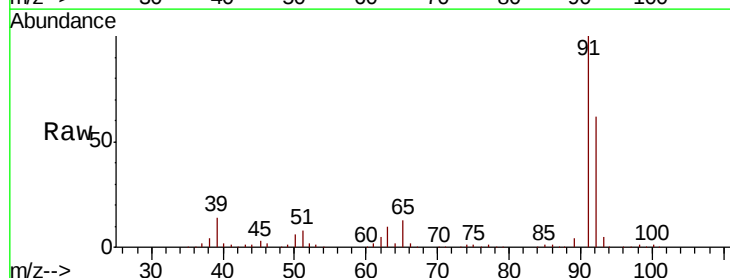
Acq: 23 Jan 2019 10:29

Tgt Ion: 92 Resp: 281070

Ion Ratio Lower Upper

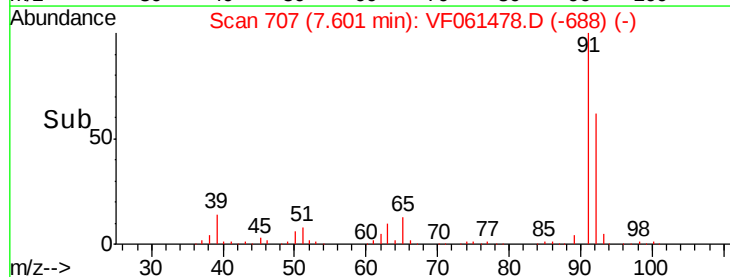
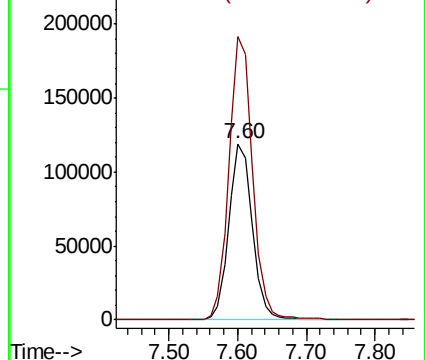
92 100

91 160.8 131.2 196.8



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: 48.025 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

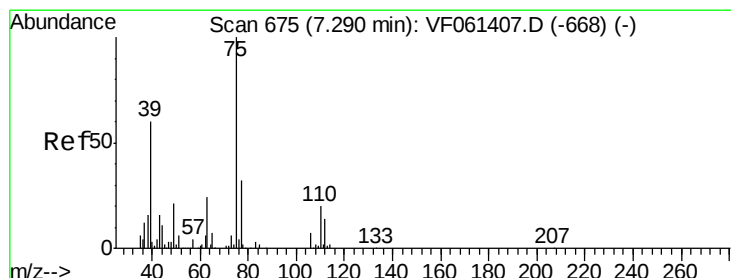
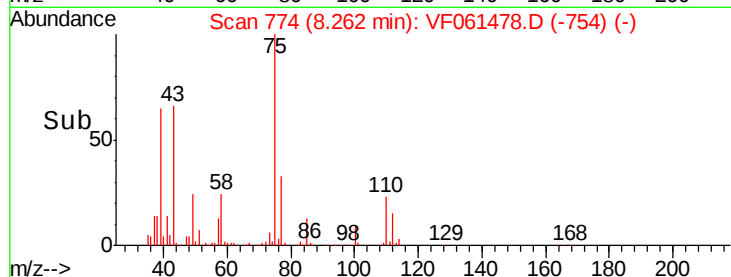
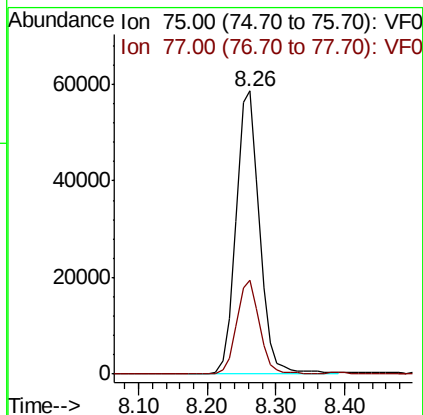
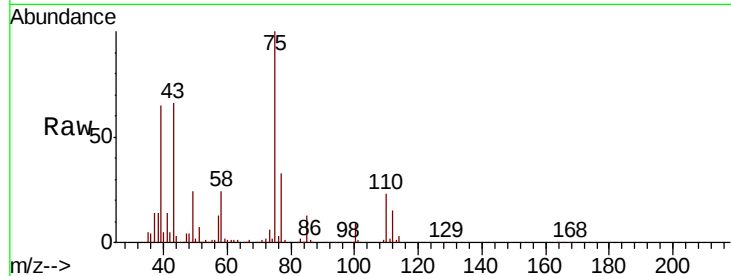
VSTDCCC050

Tgt Ion: 75 Resp: 138899

Ion Ratio Lower Upper

75 100

77 33.1 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 56.385 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

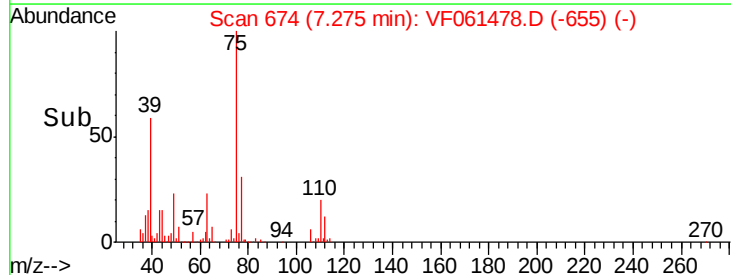
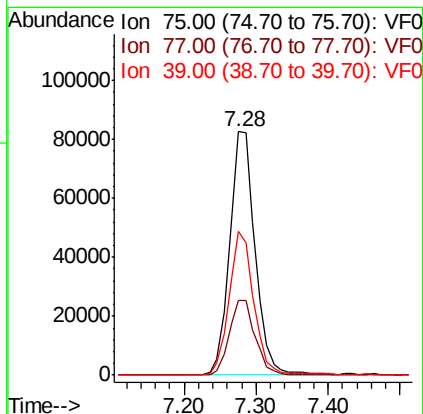
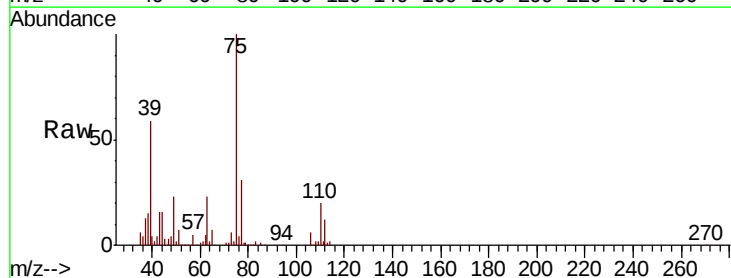
Tgt Ion: 75 Resp: 203842

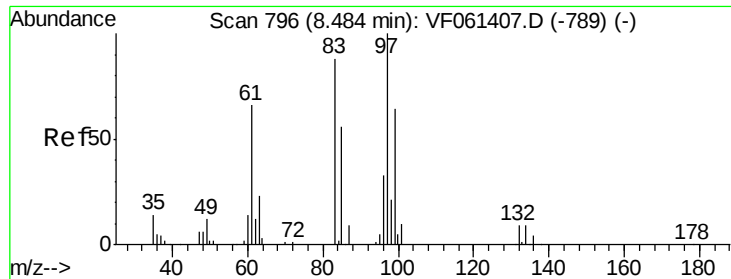
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 59.2 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 50.598 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 79818

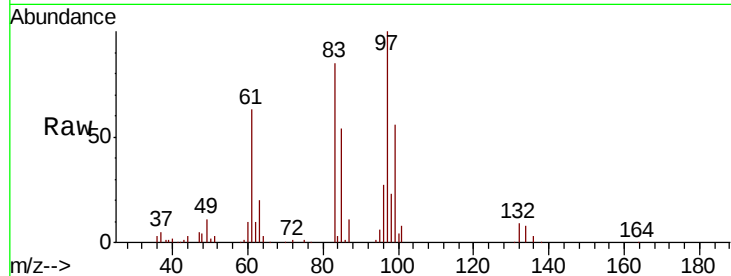
Ion Ratio Lower Upper

97 100

83 84.7 70.4 105.6

85 53.5 44.7 67.1

99 56.0 50.8 76.2

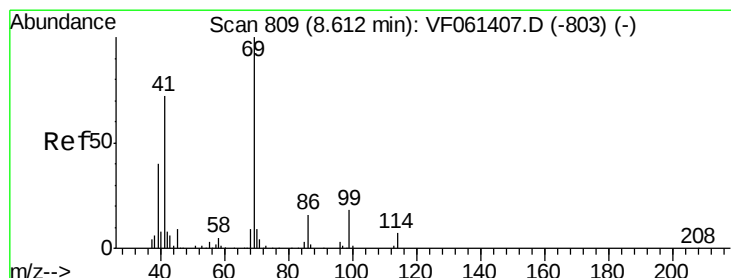
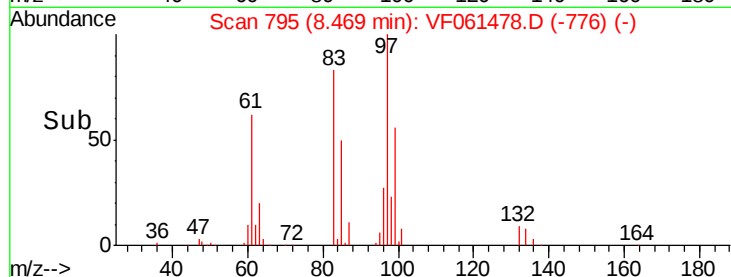
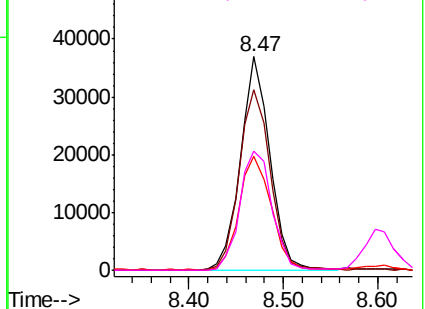


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 46.714 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

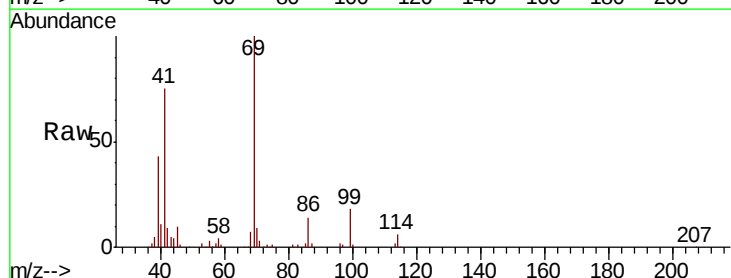
Tgt Ion: 69 Resp: 85734

Ion Ratio Lower Upper

69 100

41 74.5 57.5 86.3

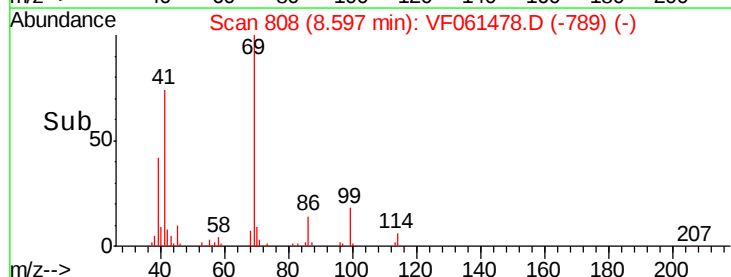
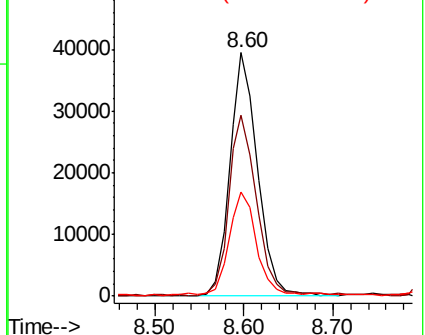
39 42.8 32.0 48.0

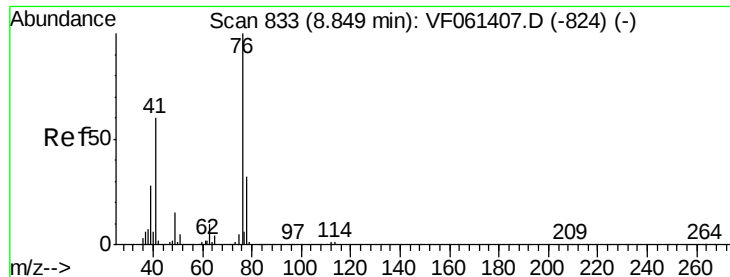


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

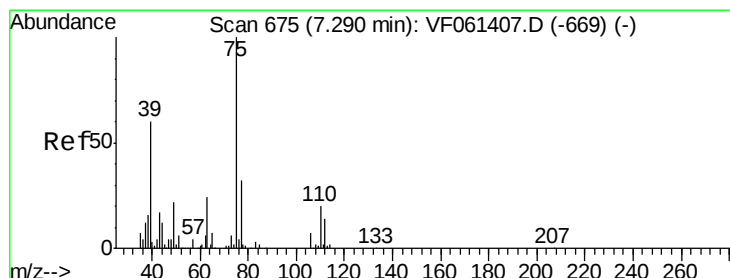
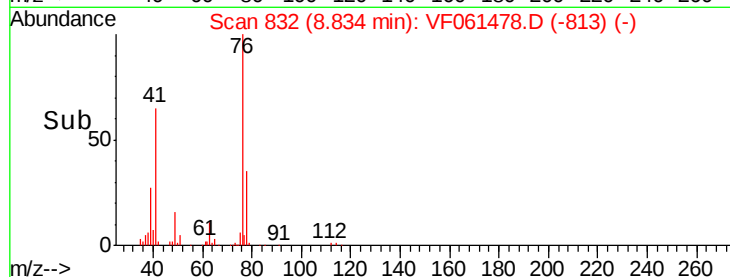
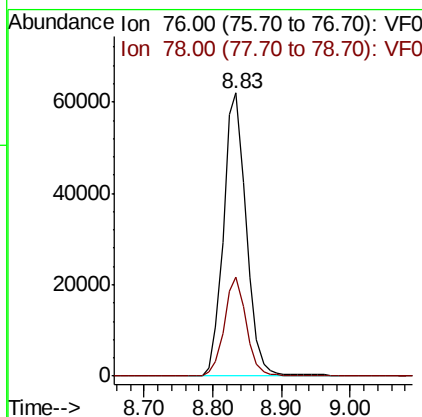
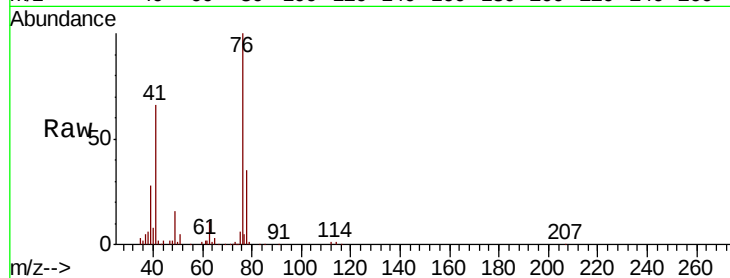




#57
 1,3-Dichloropropane
 Concen: 48.199 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

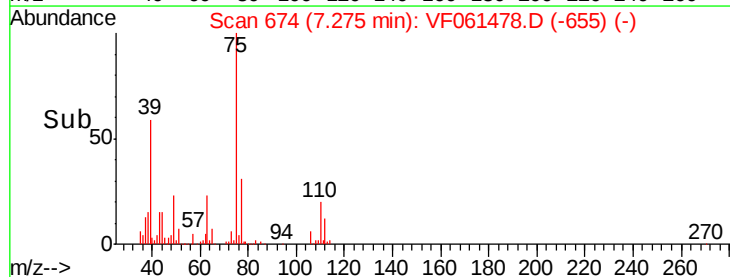
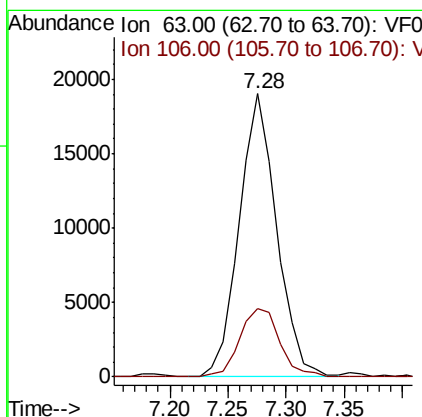
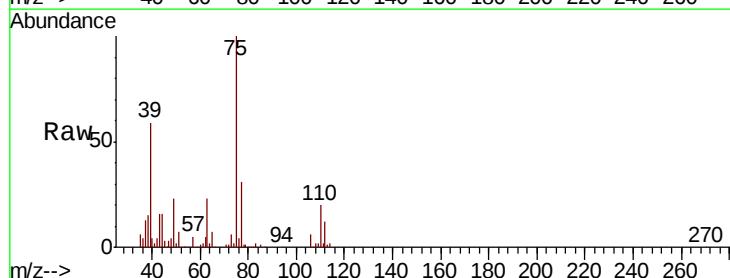
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

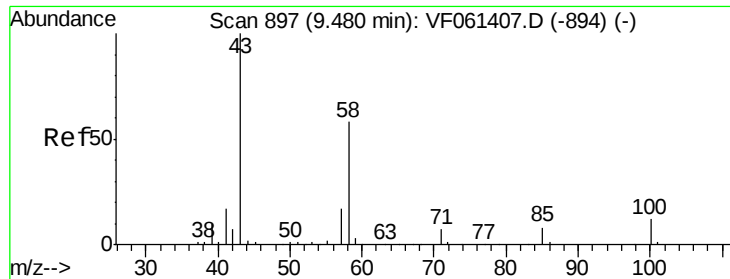
Tgt Ion: 76 Resp: 142514
 Ion Ratio Lower Upper
 76 100
 78 34.9 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.896 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion: 63 Resp: 42468
 Ion Ratio Lower Upper
 63 100
 106 24.0 21.9 32.9

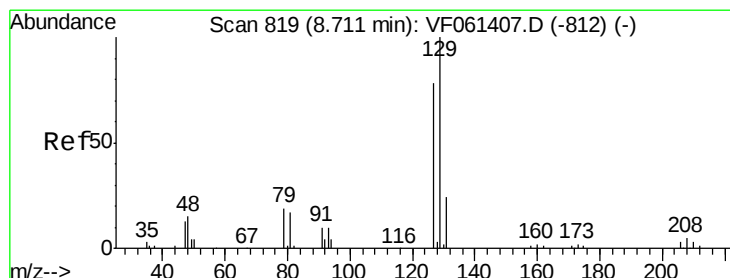
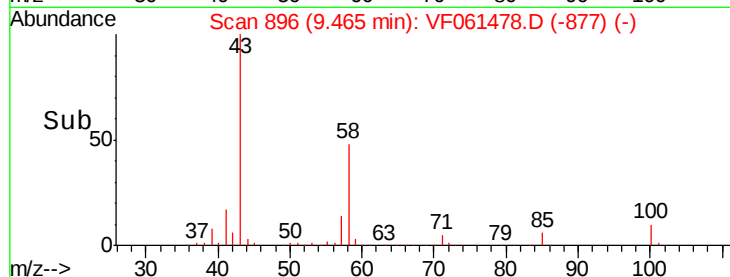
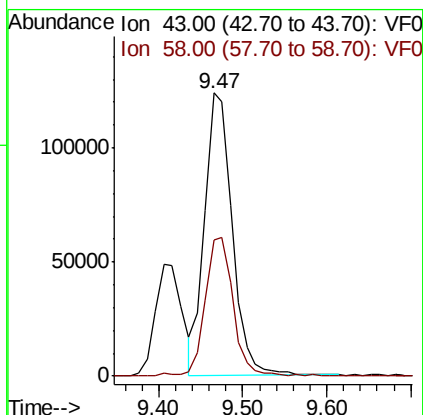
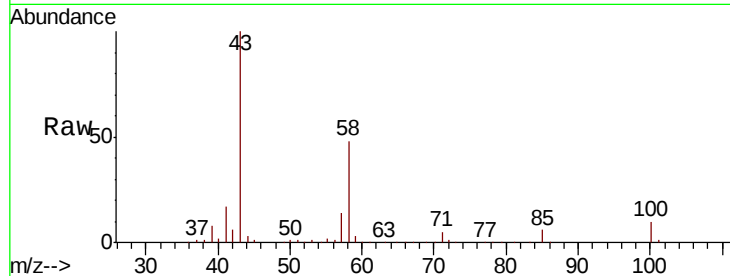




#59
2-Hexanone
Concen: 288.402 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

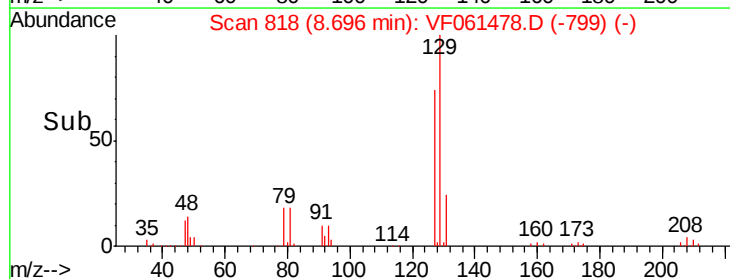
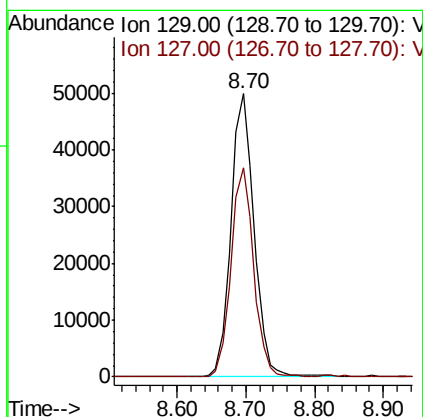
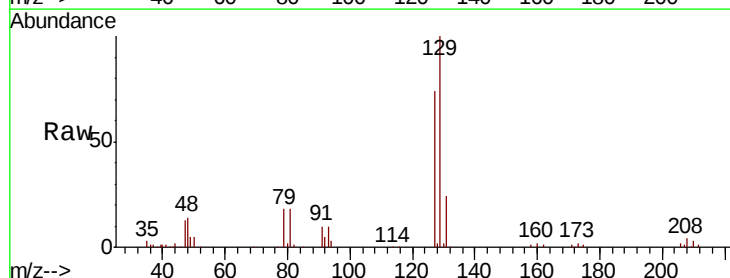
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

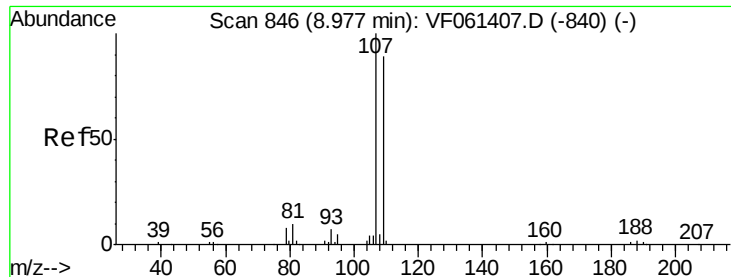
Tgt Ion: 43 Resp: 281188
Ion Ratio Lower Upper
43 100
58 48.3 25.9 77.6



#60
Dibromochloromethane
Concen: 50.312 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 129 Resp: 116029
Ion Ratio Lower Upper
129 100
127 73.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 46.531 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

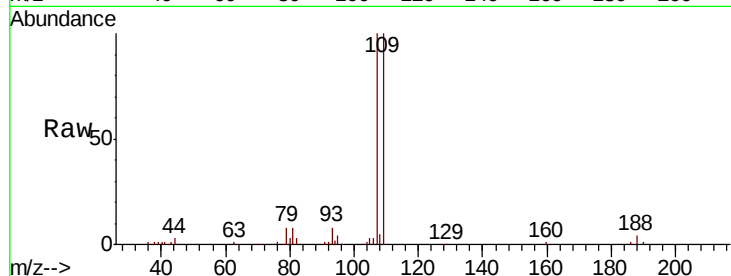
VSTDCCC050

Tgt Ion: 107 Resp: 84030

Ion Ratio Lower Upper

107 100

109 100.3 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

40000

30000

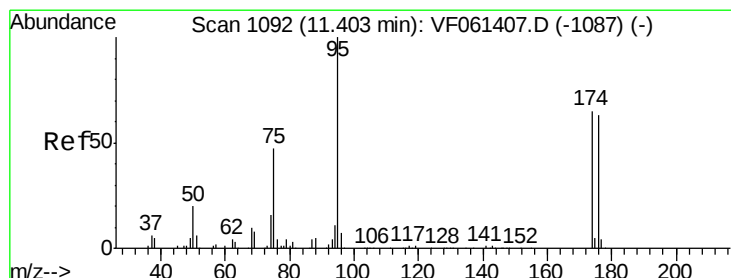
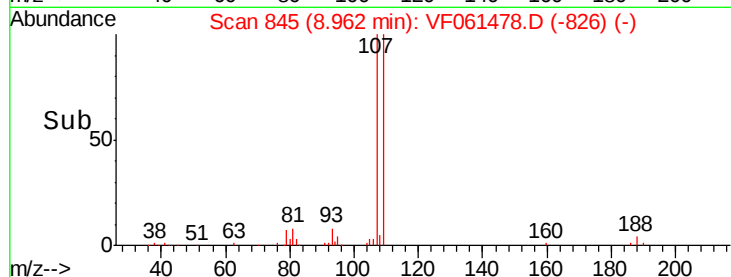
20000

10000

0

8.90 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 48.040 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

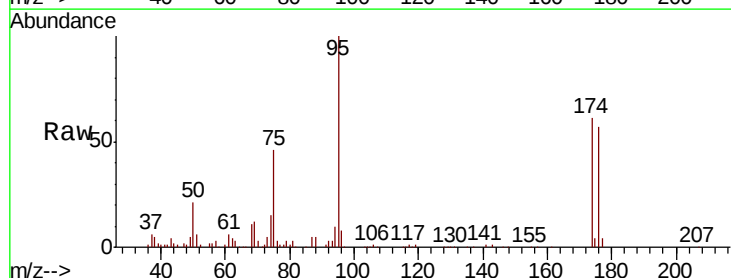
Tgt Ion: 95 Resp: 158661

Ion Ratio Lower Upper

95 100

174 61.3 0.0 130.4

176 56.7 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

120000

100000

80000

60000

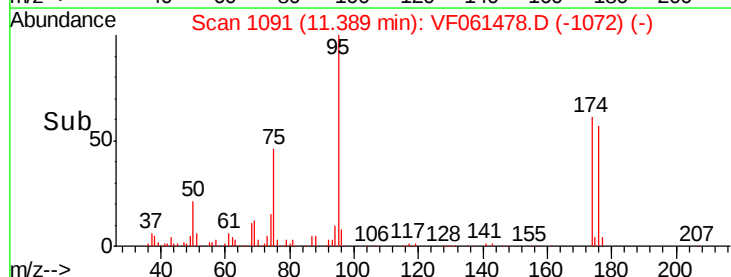
40000

20000

0

11.30 11.40 11.50 11.60

Time-->

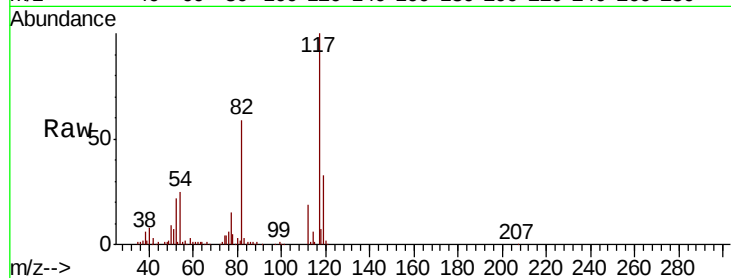




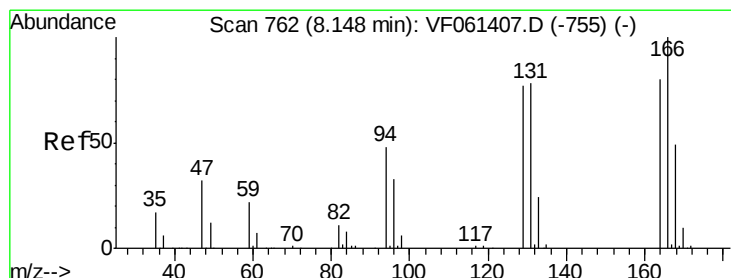
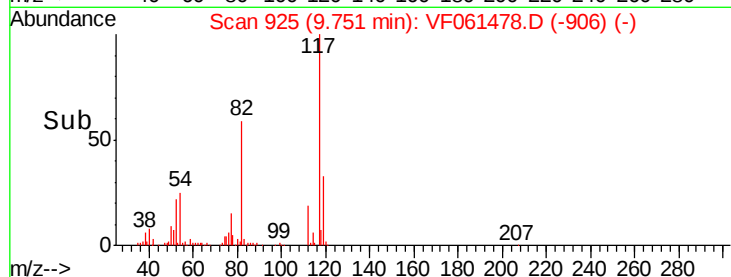
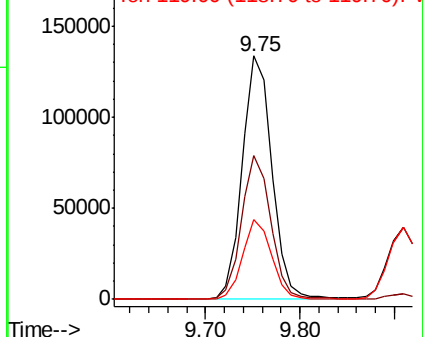
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 292060
Ion Ratio Lower Upper
117 100
82 59.0 46.4 69.6
119 32.9 27.2 40.8

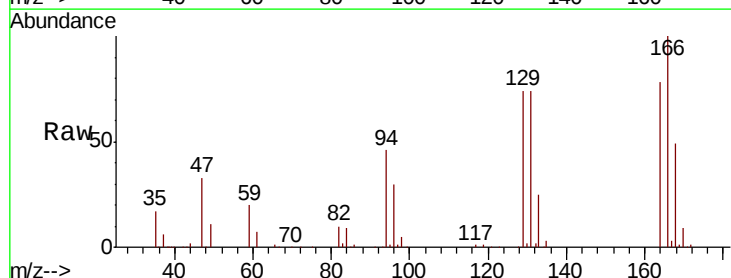


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

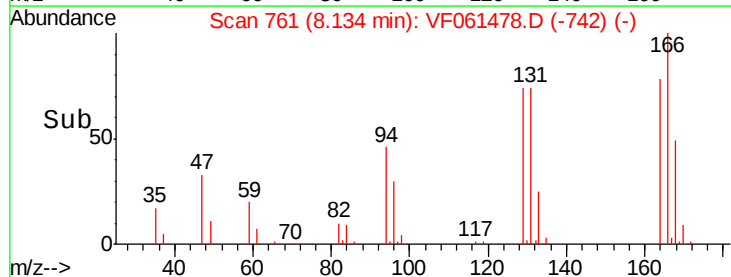
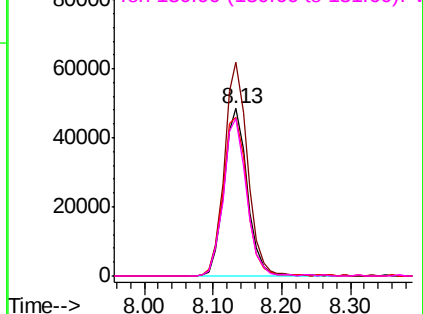


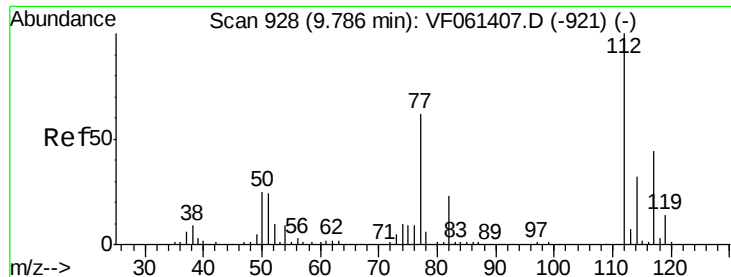
#64
Tetrachloroethene
Concen: 51.342 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion:164 Resp: 112763
Ion Ratio Lower Upper
164 100
166 127.5 99.6 149.4
129 94.6 76.4 114.6
131 94.2 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

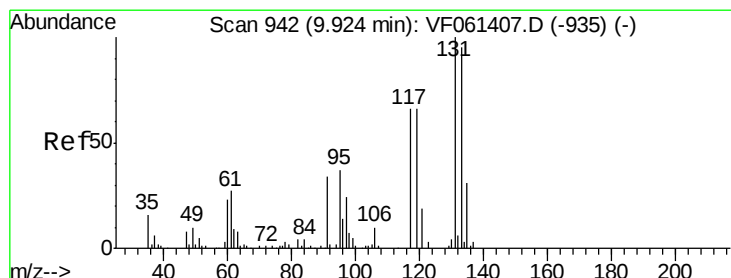
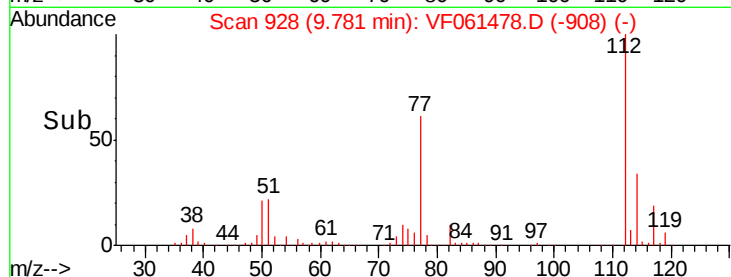
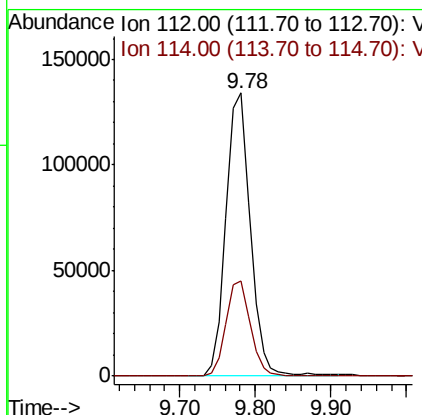
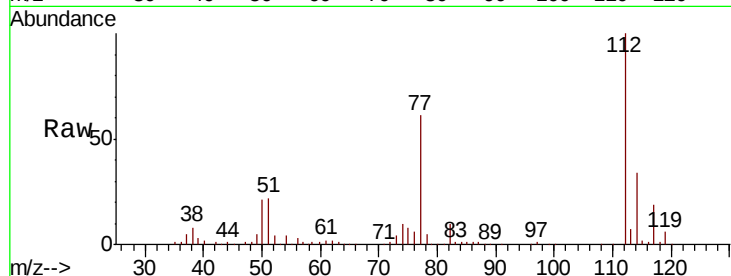




#65
Chlorobenzene
Concen: 50.636 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

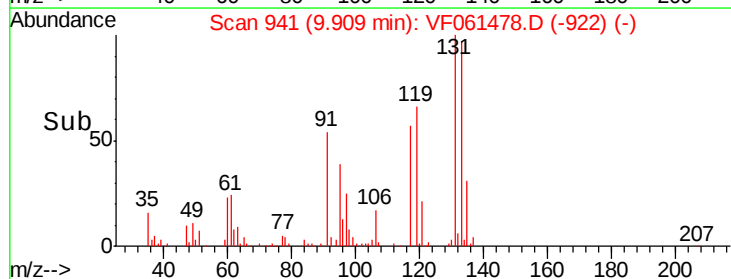
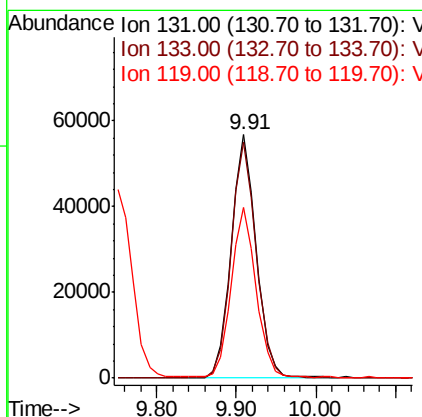
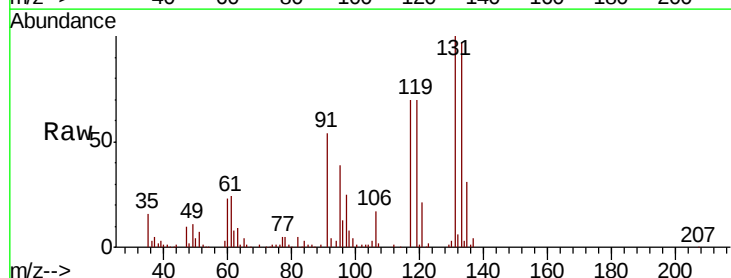
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

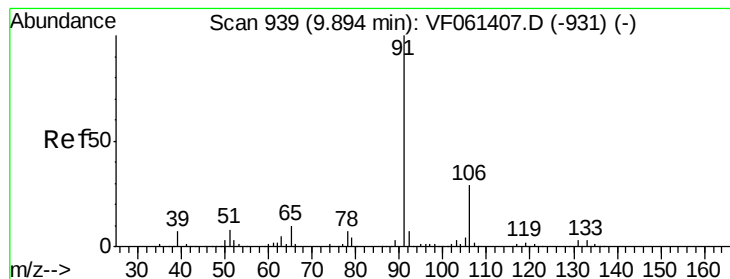
Tgt Ion:112 Resp: 300737
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.782 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion:131 Resp: 124881
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.2
119 69.9 33.1 99.3





#67

Ethyl Benzene

Concen: 53.000 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

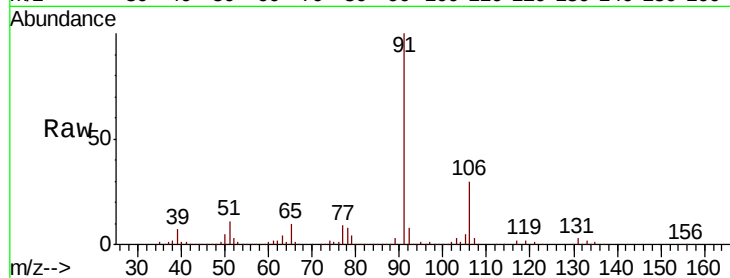
VSTDCCC050

Tgt Ion: 91 Resp: 575111

Ion Ratio Lower Upper

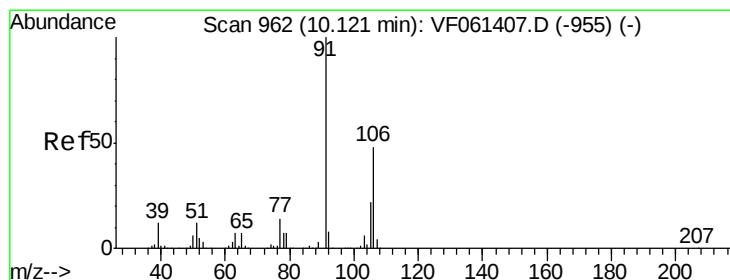
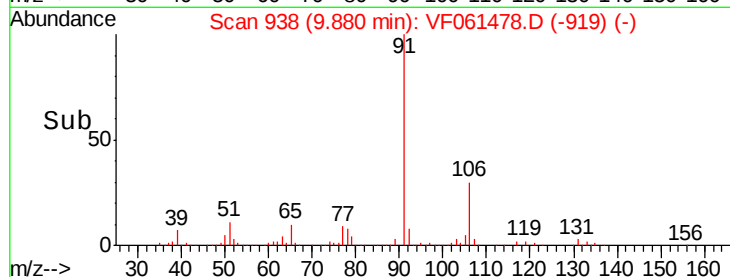
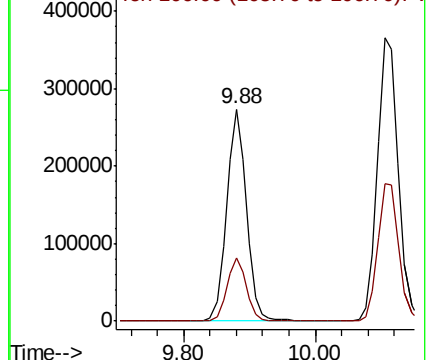
91 100

106 29.7 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.295 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF061478.D

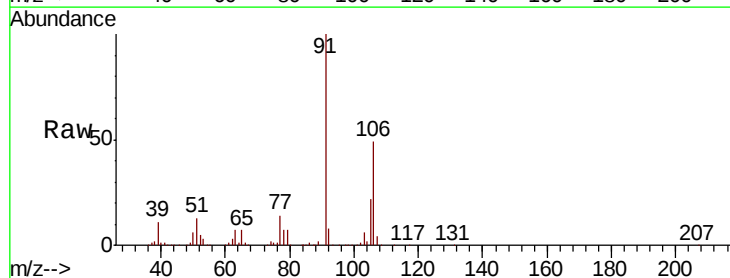
Acq: 23 Jan 2019 10:29

Tgt Ion: 106 Resp: 399243

Ion Ratio Lower Upper

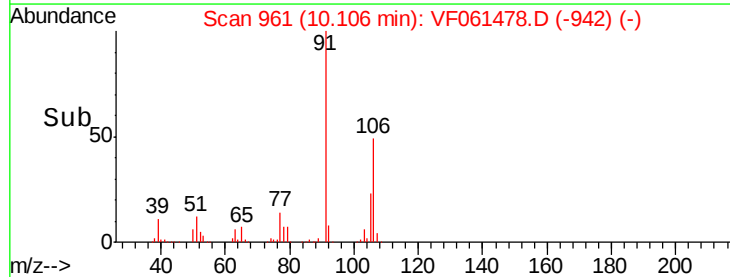
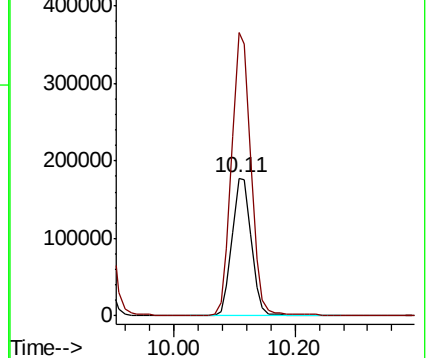
106 100

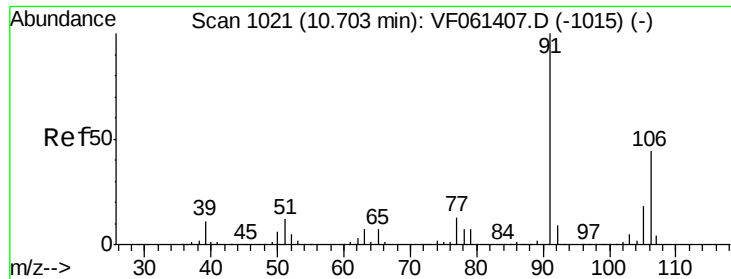
91 205.1 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

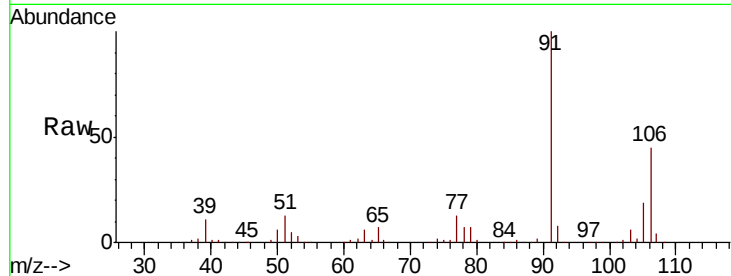




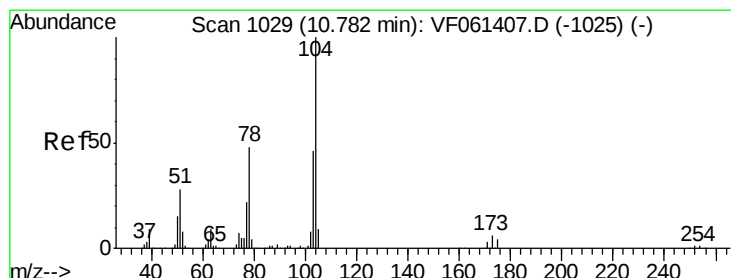
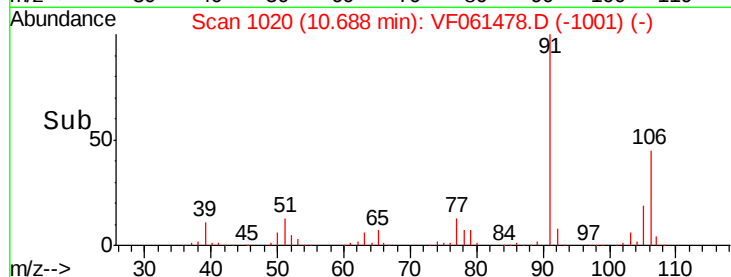
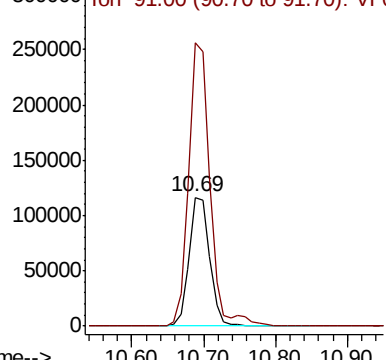
#69
o-Xylene
Concen: 54.298 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 229681
Ion Ratio Lower Upper
106 100
91 220.0 113.3 339.8

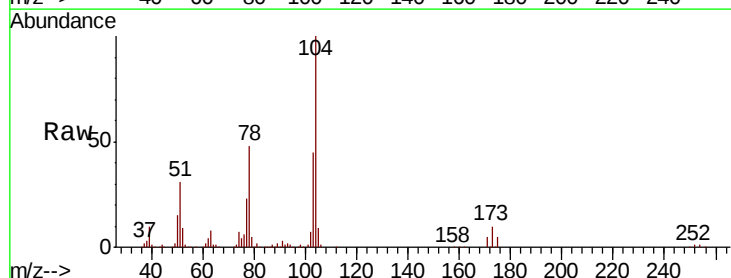


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

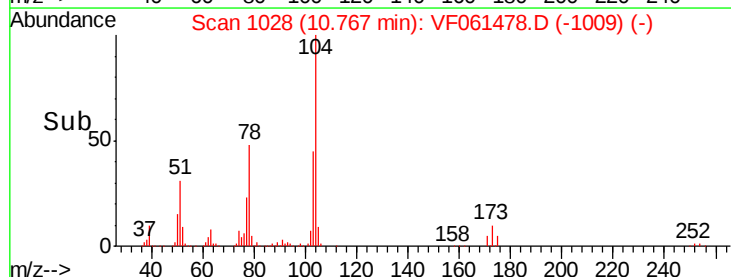
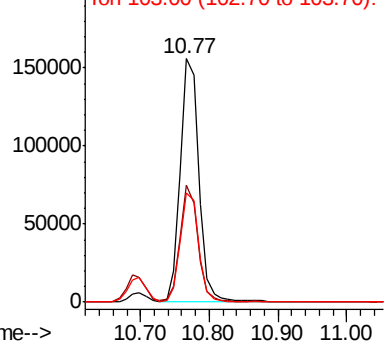


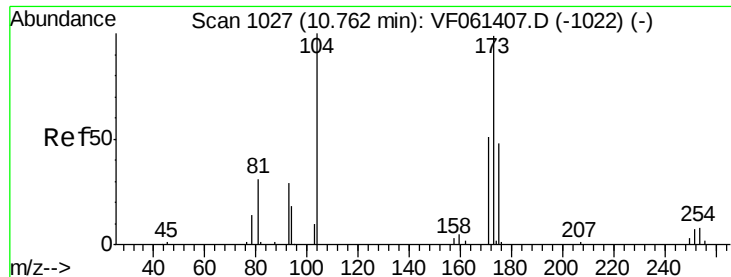
#70
Styrene
Concen: 50.783 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion:104 Resp: 294040
Ion Ratio Lower Upper
104 100
78 48.2 38.8 58.2
103 45.0 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: 50.940 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

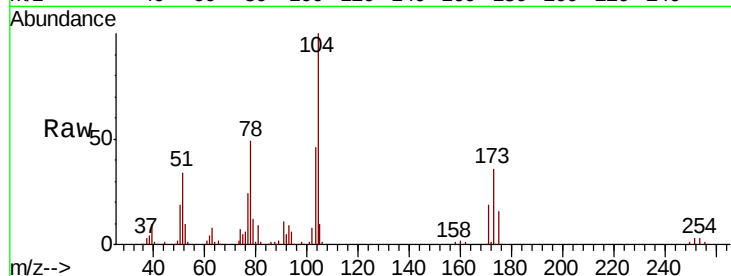
Tgt Ion:173 Resp: 54152

Ion Ratio Lower Upper

173 100

175 45.0 24.1 72.4

254 9.4 0.0 0.0#

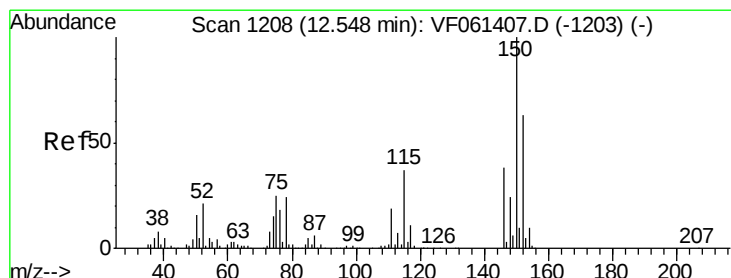
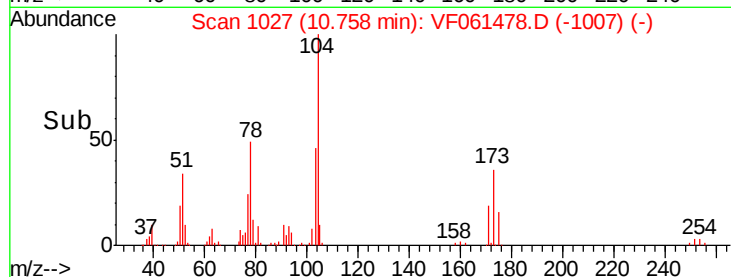
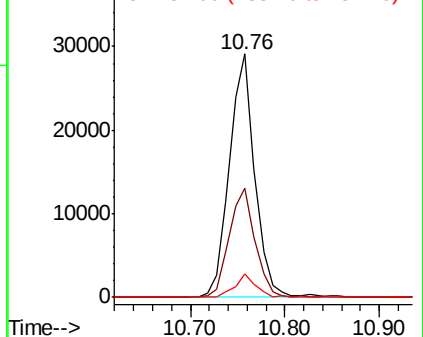


Abundance

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: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

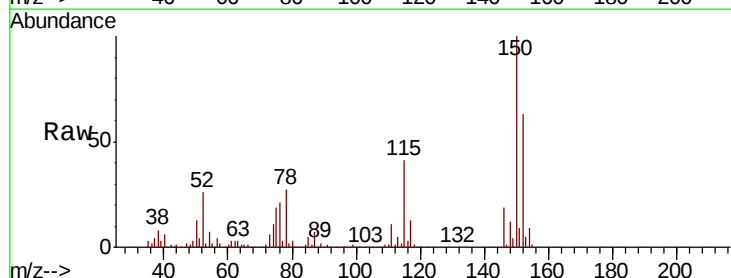
Tgt Ion:152 Resp: 141389

Ion Ratio Lower Upper

152 100

115 65.7 30.0 90.0

150 159.8 0.0 321.4

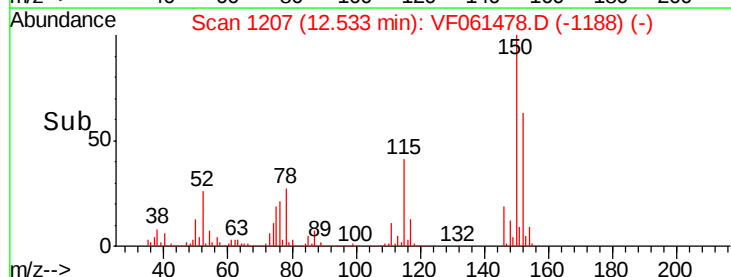
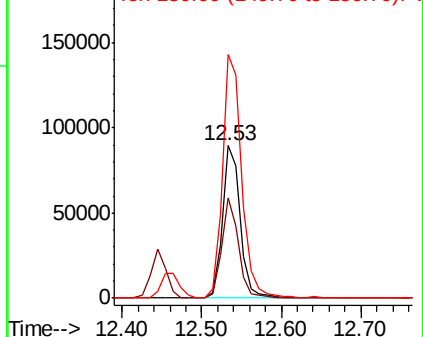


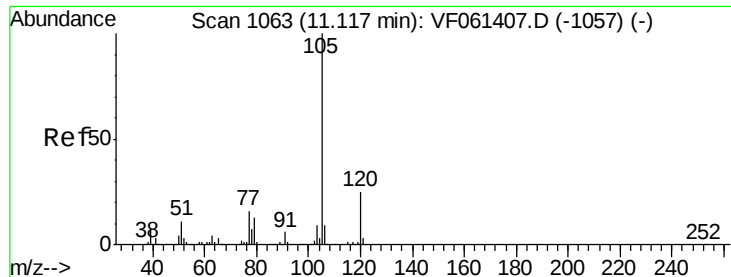
Abundance

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: 55.900 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

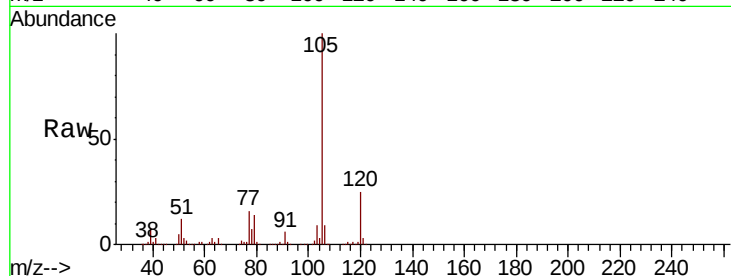
VSTDCCC050

Tgt Ion: 105 Resp: 642819

Ion Ratio Lower Upper

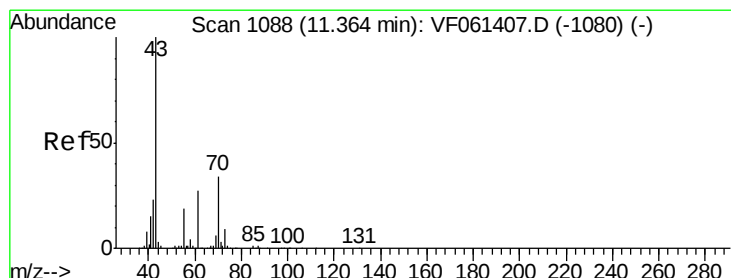
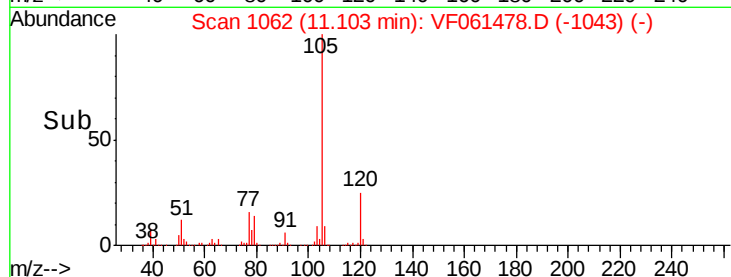
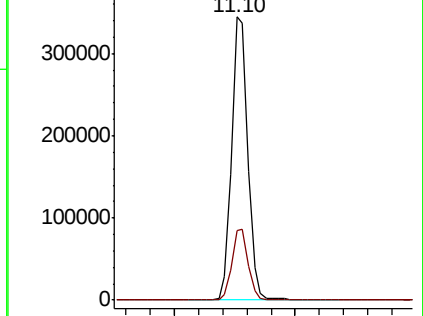
105 100

120 24.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.761 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Tgt Ion: 43 Resp: 146186

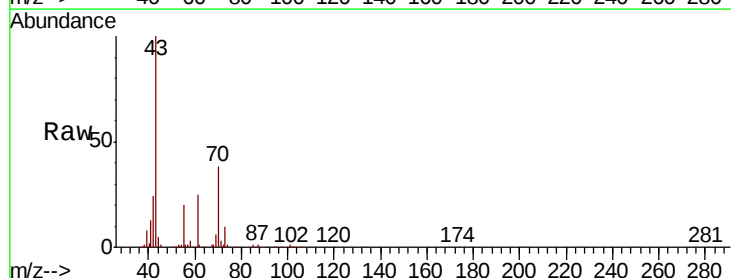
Ion Ratio Lower Upper

43 100

70 38.3 27.6 41.4

55 20.2 15.4 23.2

61 25.0 21.8 32.6

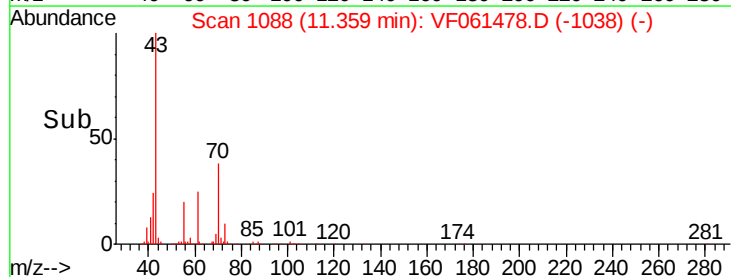
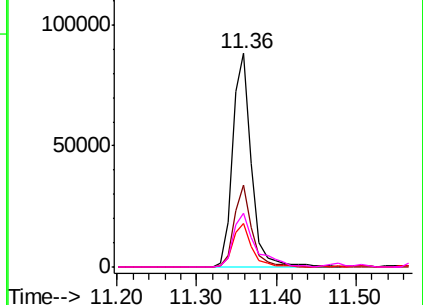


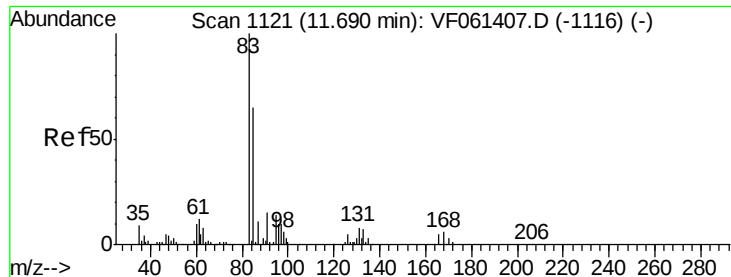
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.612 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

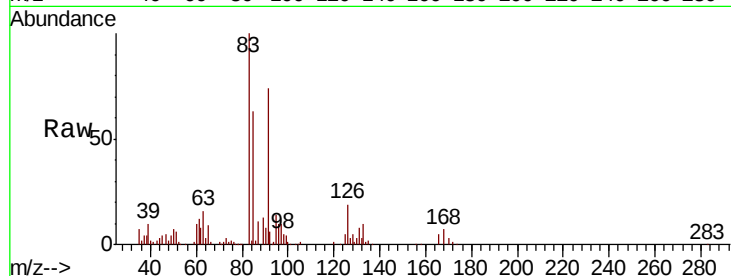
Tgt Ion: 83 Resp: 105732

Ion Ratio Lower Upper

83 100

131 8.4 4.0 12.2

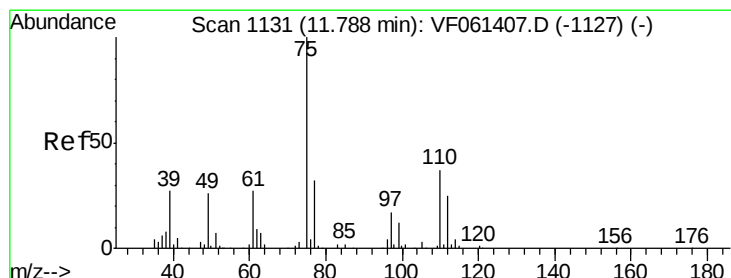
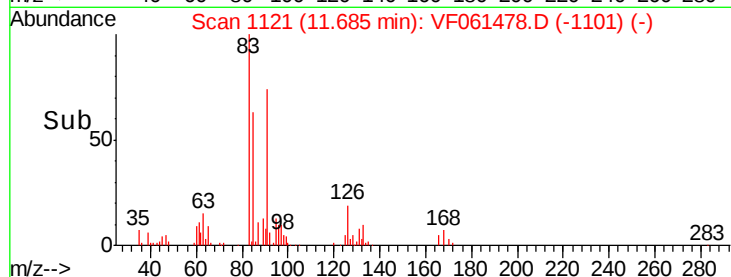
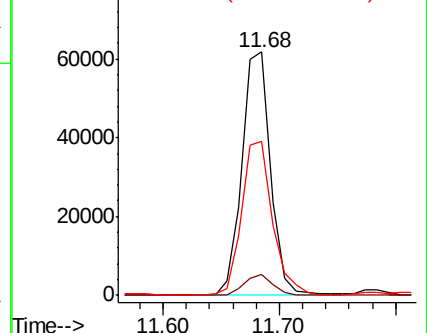
85 63.0 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.819 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF061478.D

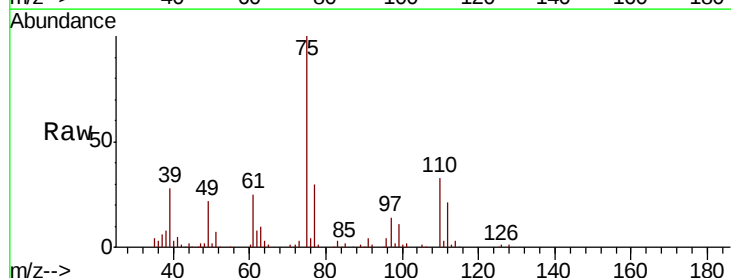
Acq: 23 Jan 2019 10:29

Tgt Ion: 75 Resp: 76278

Ion Ratio Lower Upper

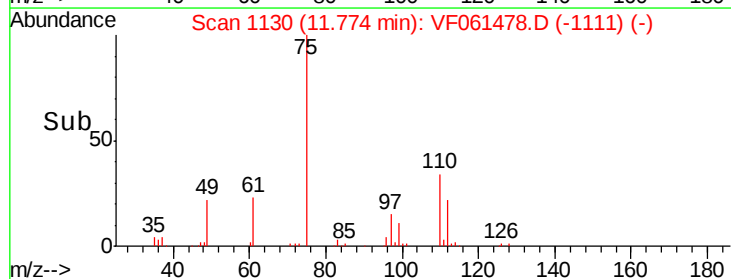
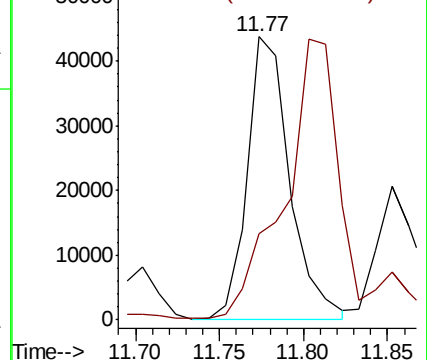
75 100

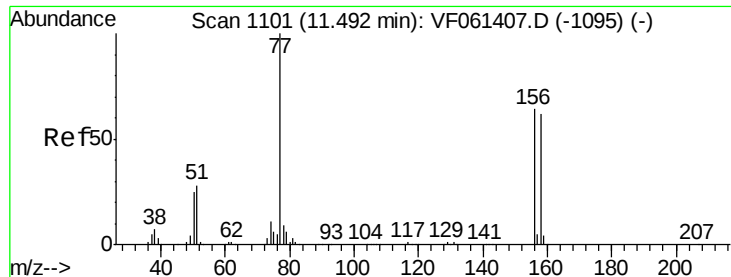
77 30.5 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.490 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

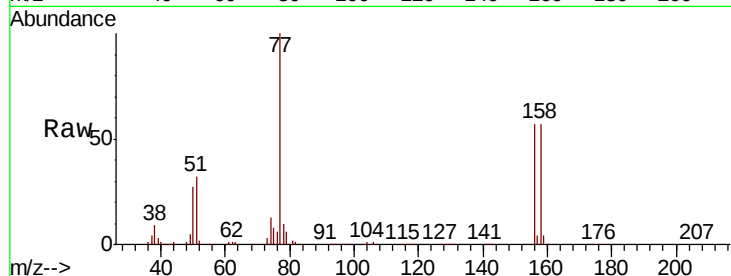
Tgt Ion: 156 Resp: 132333

Ion Ratio Lower Upper

156 100

77 174.3 78.3 234.9

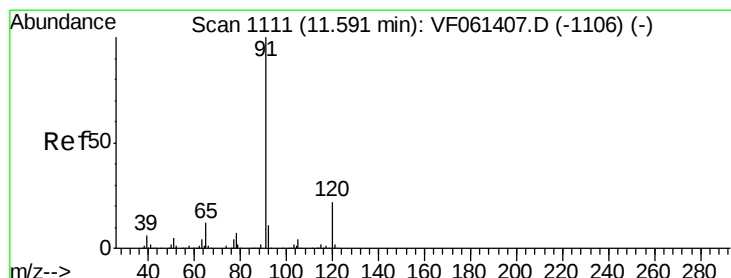
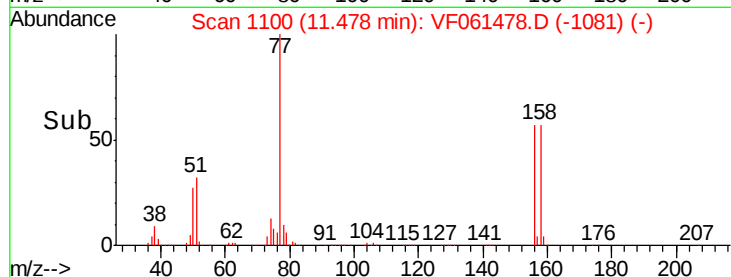
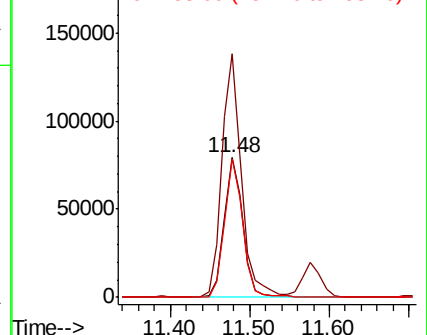
158 99.3 48.9 146.7



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: 55.089 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061478.D

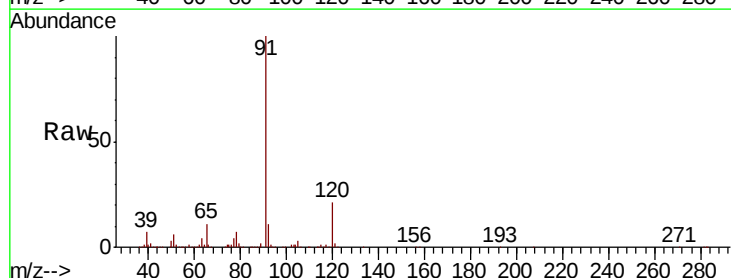
Acq: 23 Jan 2019 10:29

Tgt Ion: 91 Resp: 761772

Ion Ratio Lower Upper

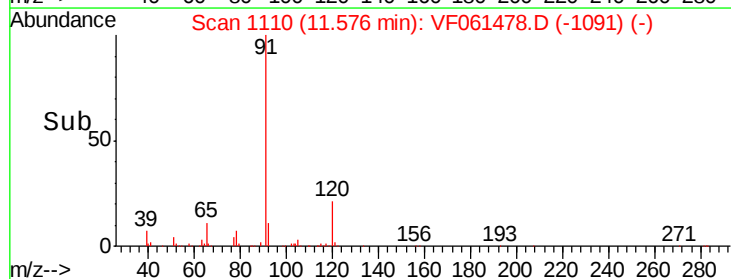
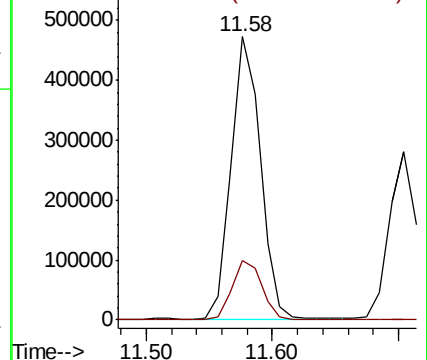
91 100

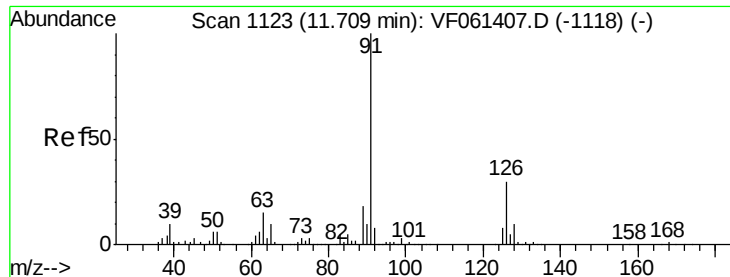
120 20.9 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

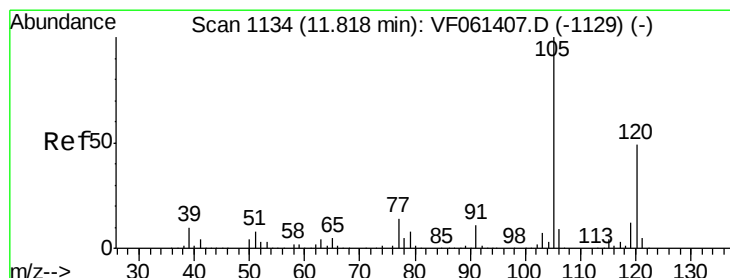
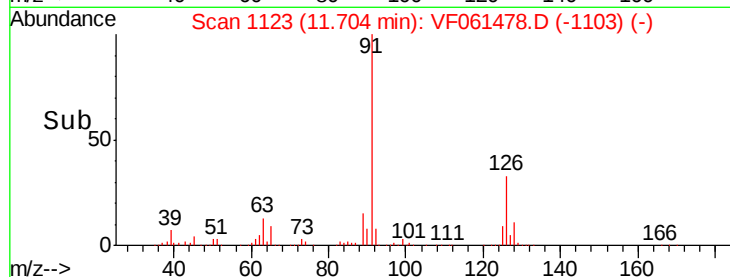
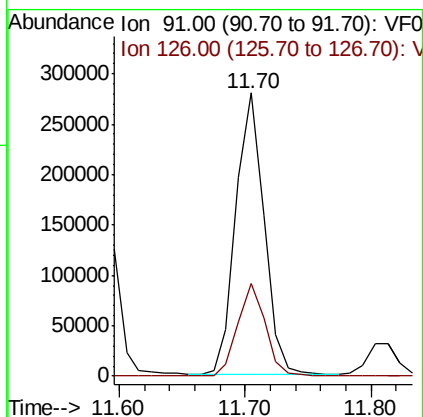
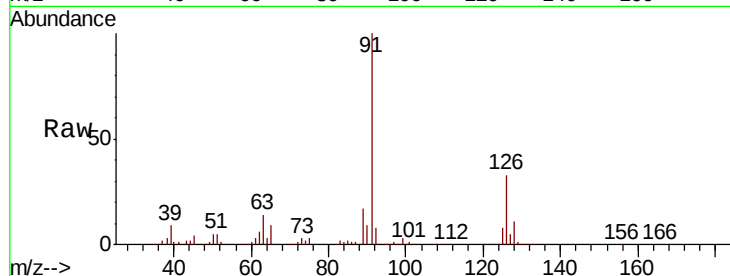




#79
2-Chlorotoluene
Concen: 54.367 ug/l
RT: 11.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

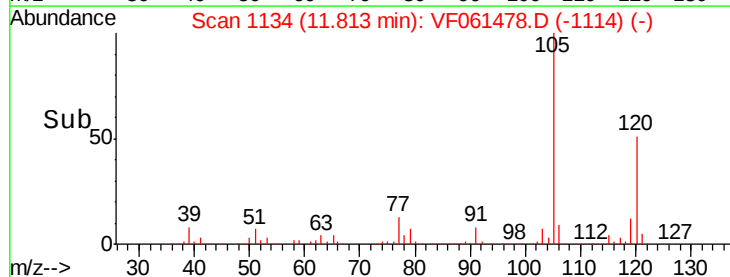
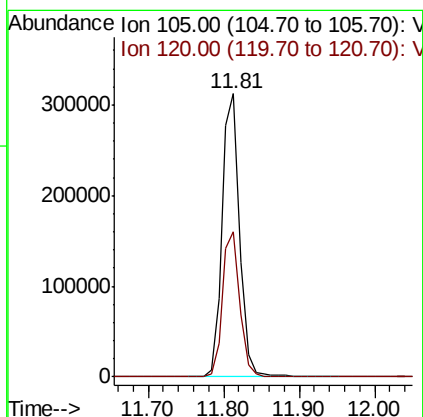
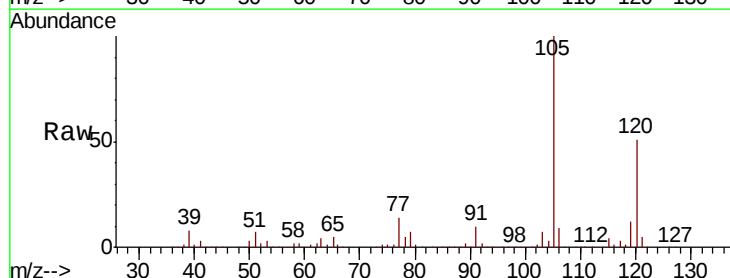
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

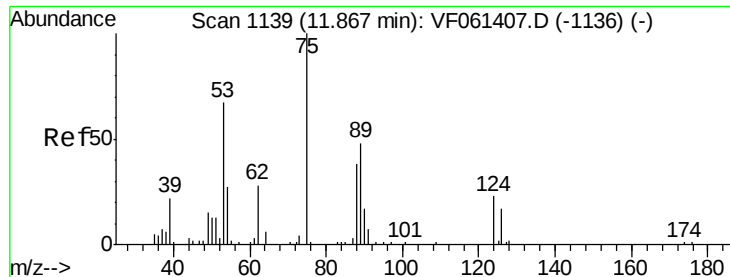
Tgt Ion: 91 Resp: 433782
Ion Ratio Lower Upper
91 100
126 32.8 15.0 45.1



#80
1,3,5-Trimethylbenzene
Concen: 54.382 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 105 Resp: 504675
Ion Ratio Lower Upper
105 100
120 51.3 24.7 74.1

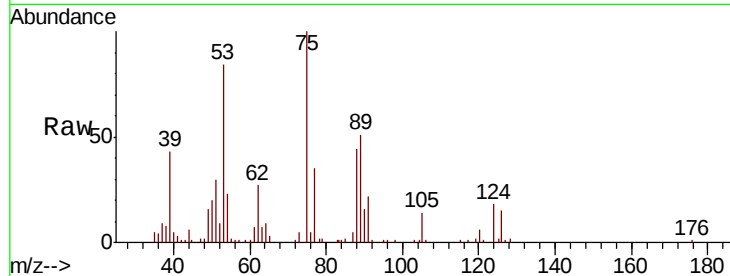




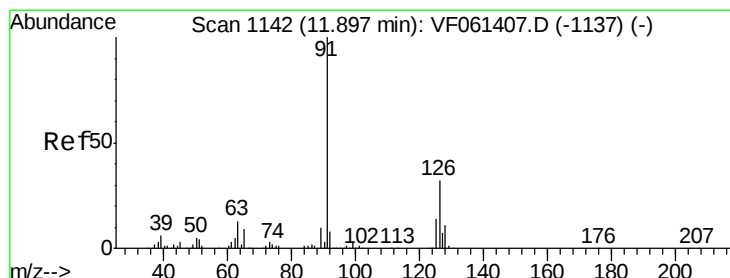
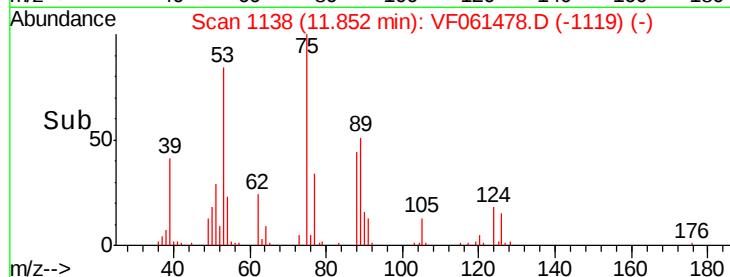
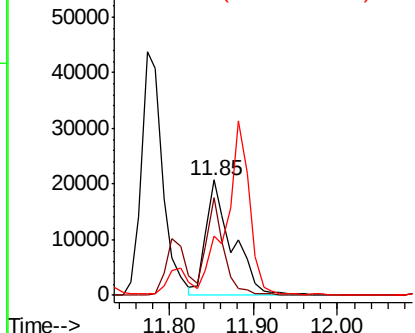
#81
trans-1,4-Dichloro-2-butene
Concen: 71.021 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 45446
Ion Ratio Lower Upper
75 100
53 84.3 57.8 86.6
89 51.1 40.7 61.1

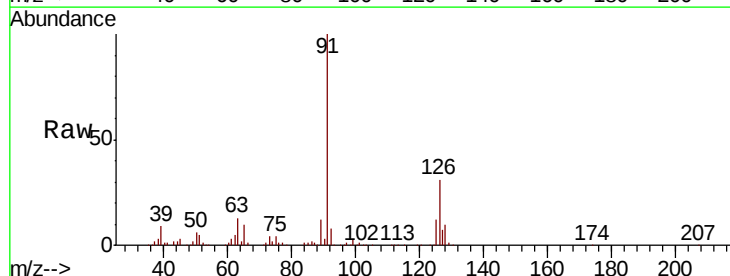


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

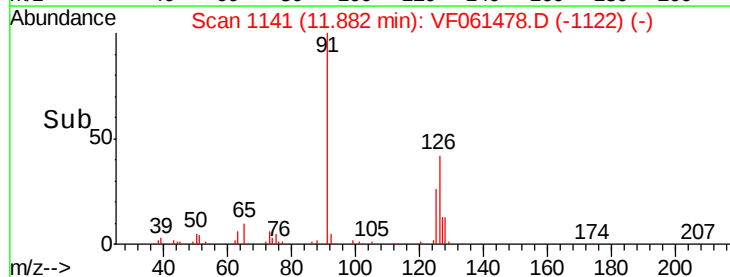
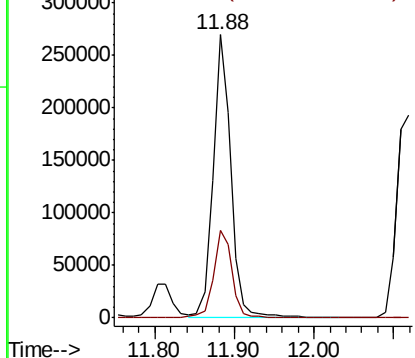


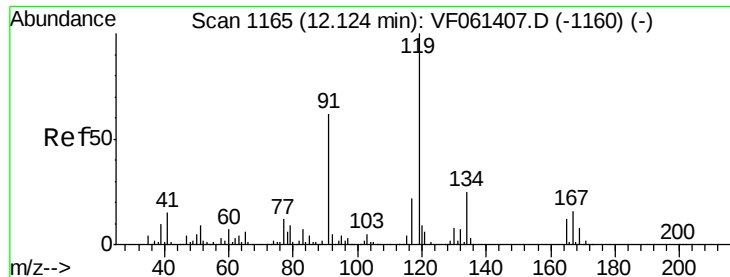
#82
4-Chlorotoluene
Concen: 51.918 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 91 Resp: 418009
Ion Ratio Lower Upper
91 100
126 31.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

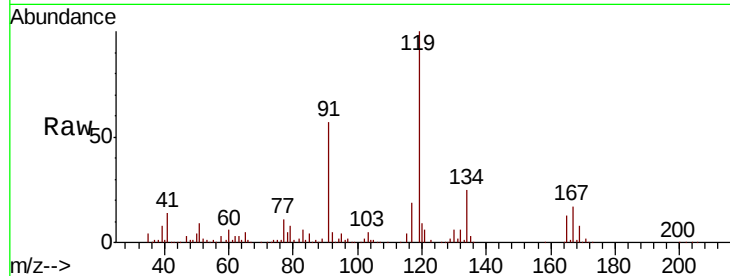




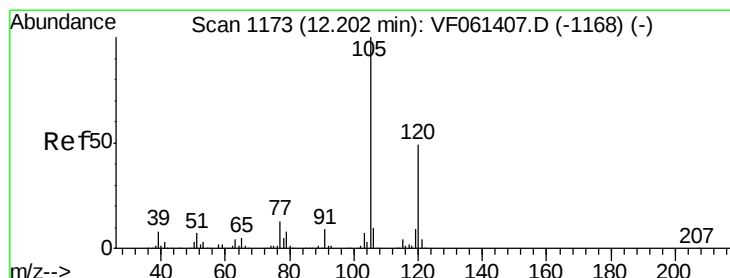
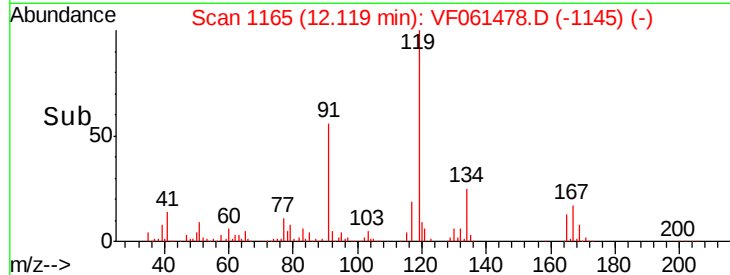
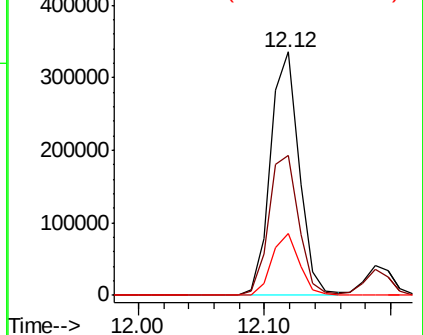
#83
 tert-Butylbenzene
 Concen: 55.386 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 532000
 Ion Ratio Lower Upper
 119 100
 91 57.5 31.3 93.8
 134 25.3 12.4 37.0

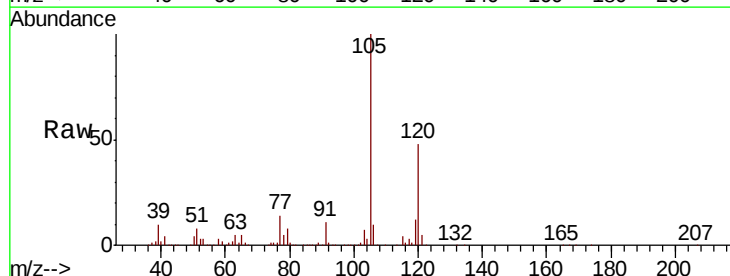


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

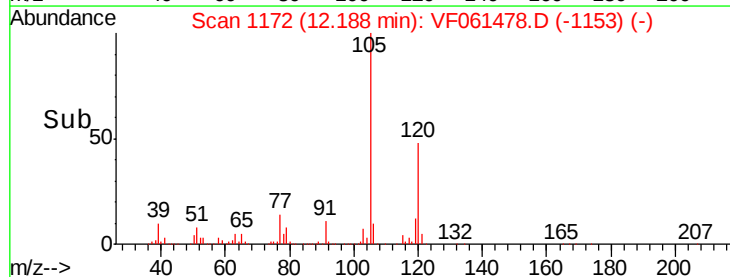
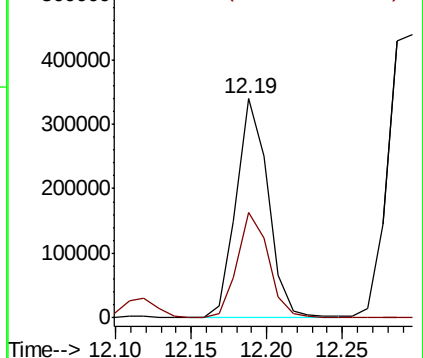


#84
 1,2,4-Trimethylbenzene
 Concen: 52.258 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion:105 Resp: 499539
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.9 74.6



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





#85

sec-Butylbenzene

Concen: 55.568 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

Instrument :

MSVOA_F

ClientSampleId :

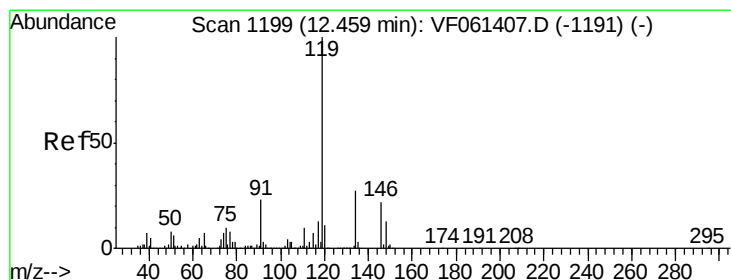
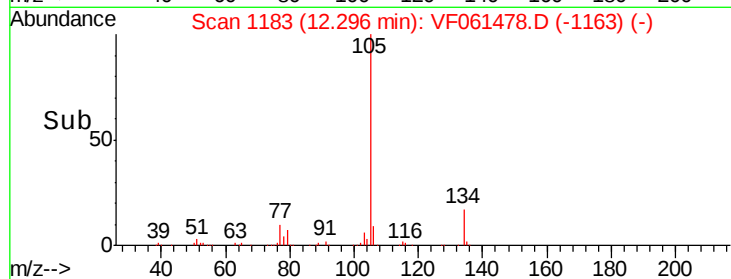
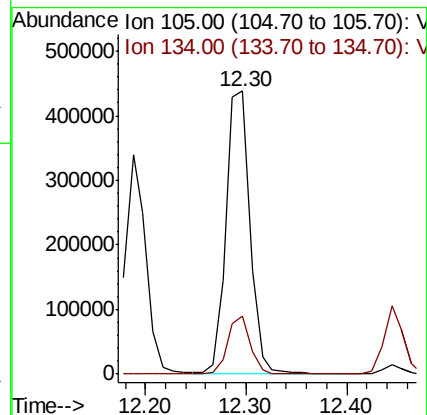
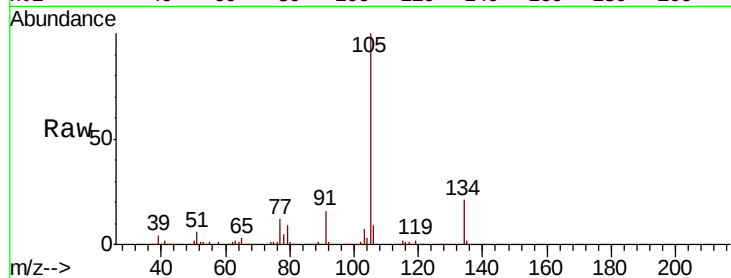
VSTDCCC050

Tgt Ion:105 Resp: 724841

Ion Ratio Lower Upper

105 100

134 20.5 10.0 30.0



#86

p-Isopropyltoluene

Concen: 53.500 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061478.D

Acq: 23 Jan 2019 10:29

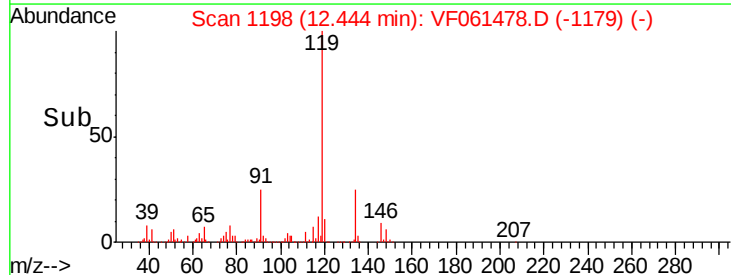
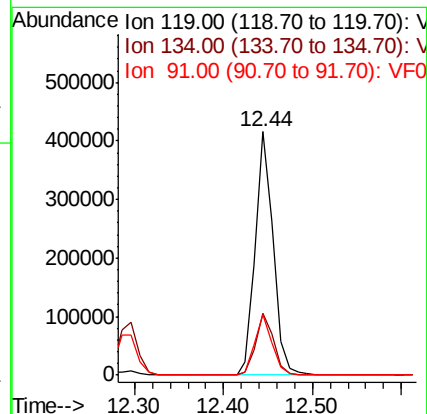
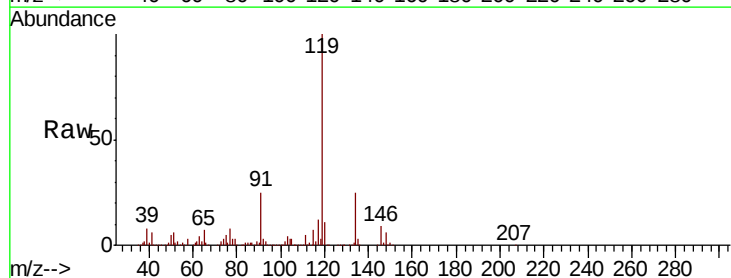
Tgt Ion:119 Resp: 572868

Ion Ratio Lower Upper

119 100

134 25.4 13.4 40.2

91 24.7 11.4 34.2

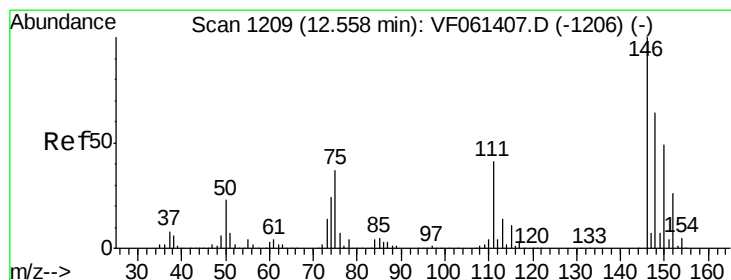
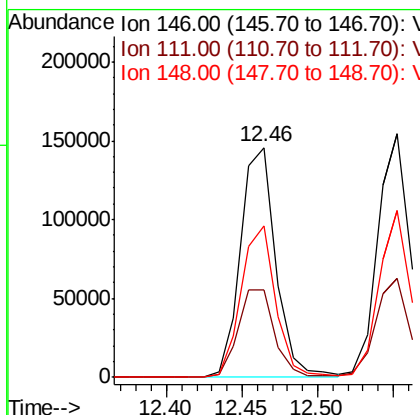
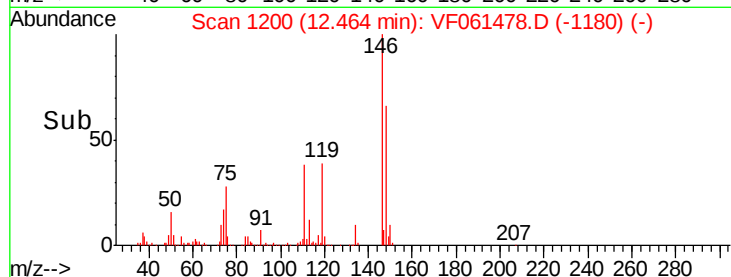
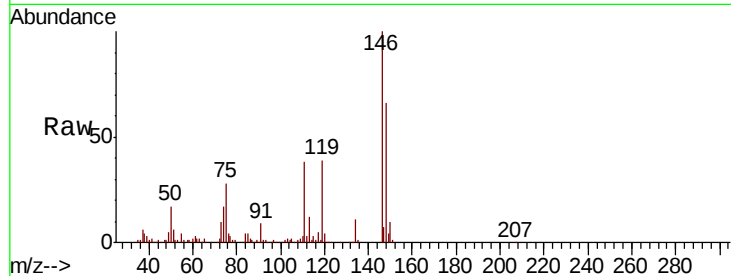




#87
 1,3-Dichlorobenzene
 Concen: 49.016 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

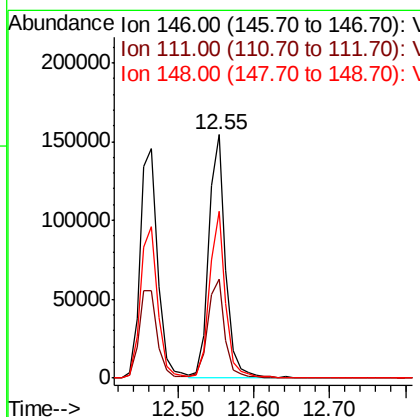
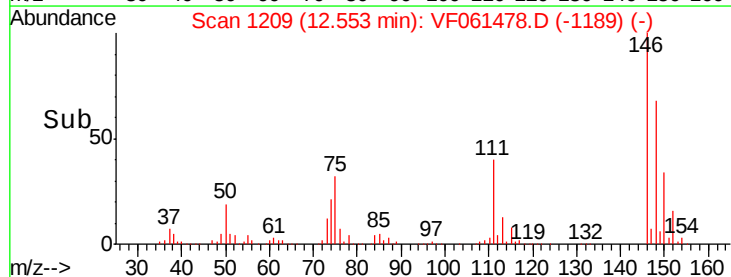
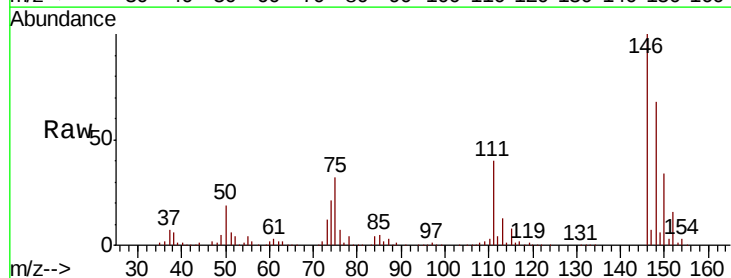
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

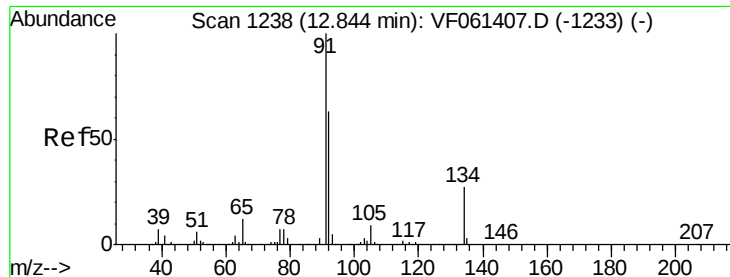
Tgt Ion:146 Resp: 237149
 Ion Ratio Lower Upper
 146 100
 111 38.1 21.1 63.4
 148 65.8 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 52.492 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion:146 Resp: 240897
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.8 62.2
 148 68.4 32.1 96.5

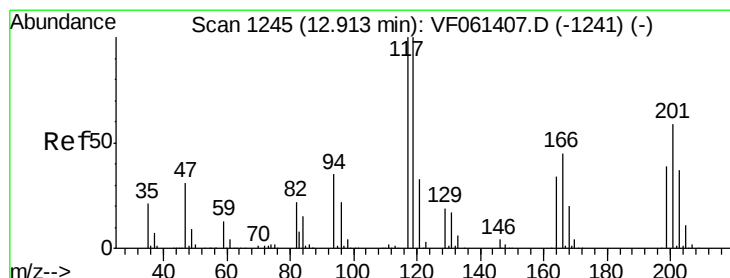
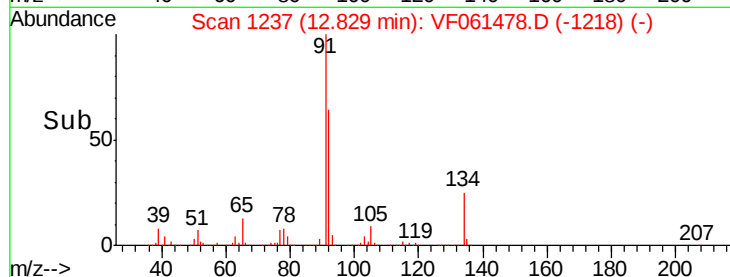
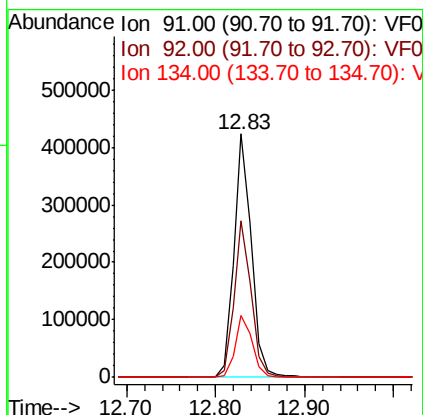
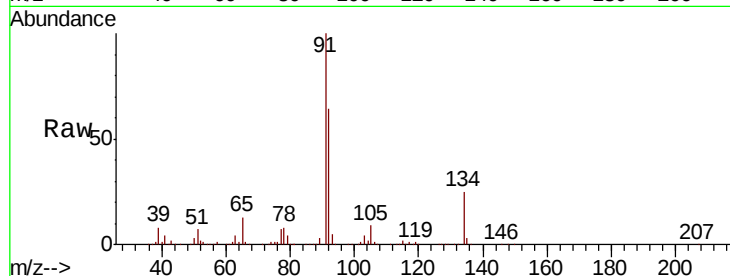




#89
n-Butylbenzene
Concen: 53.230 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

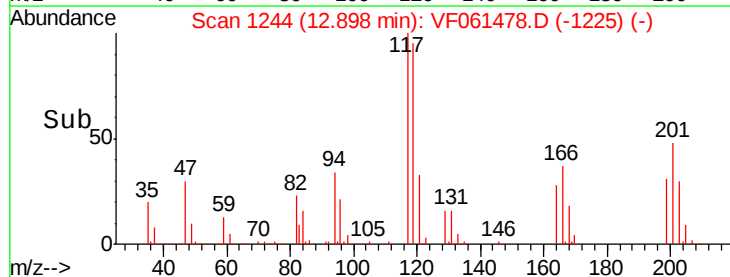
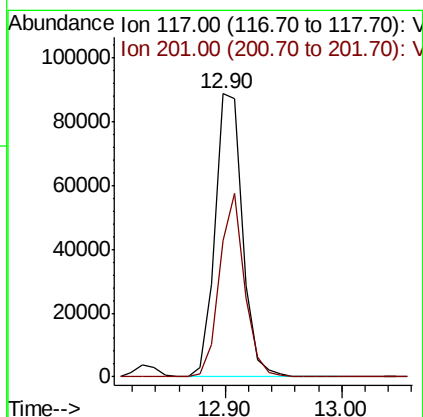
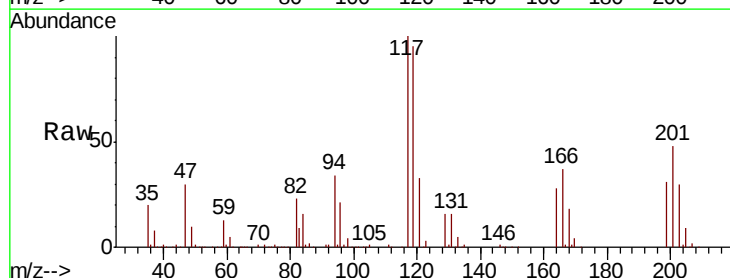
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

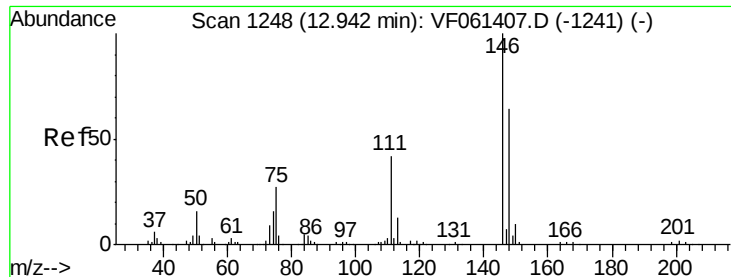
Tgt Ion: 91 Resp: 587824
Ion Ratio Lower Upper
91 100
92 64.4 31.6 94.7
134 25.3 13.6 40.8



#90
Hexachloroethane
Concen: 57.654 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion: 117 Resp: 145524
Ion Ratio Lower Upper
117 100
201 48.1 29.3 87.8

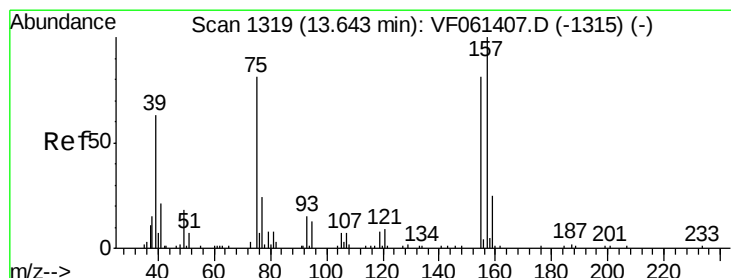
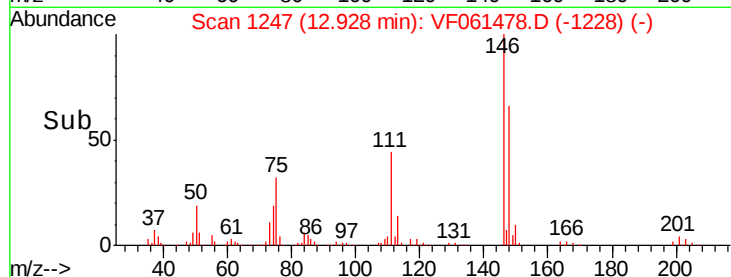
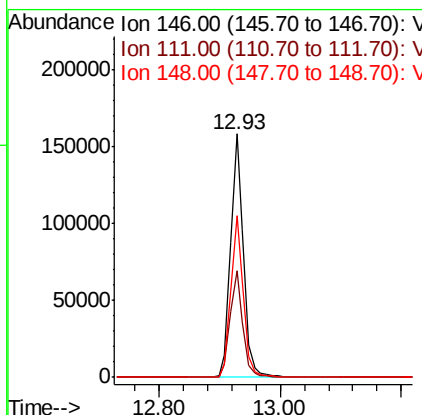
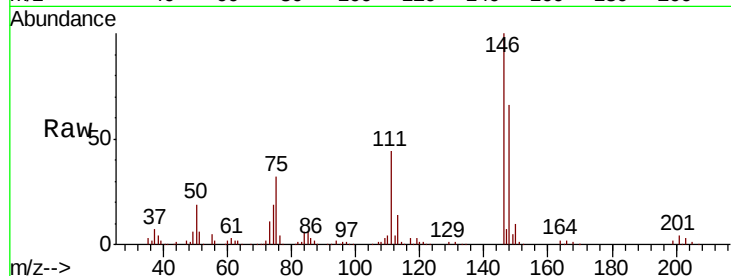




#91
 1,2-Dichlorobenzene
 Concen: 51.036 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

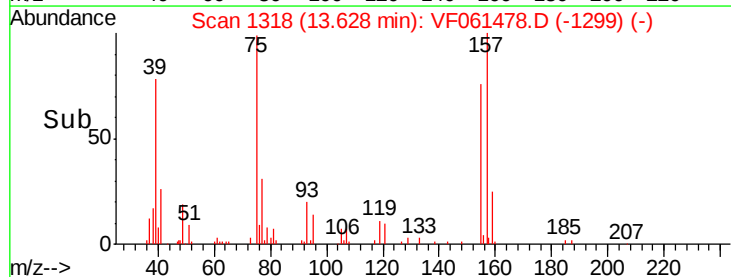
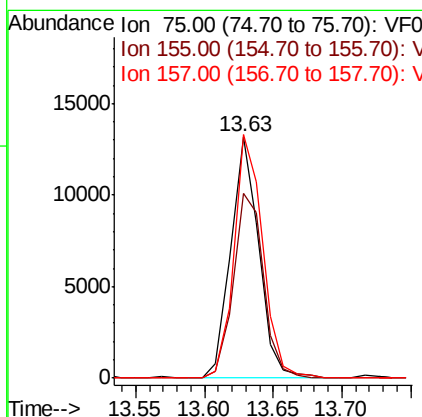
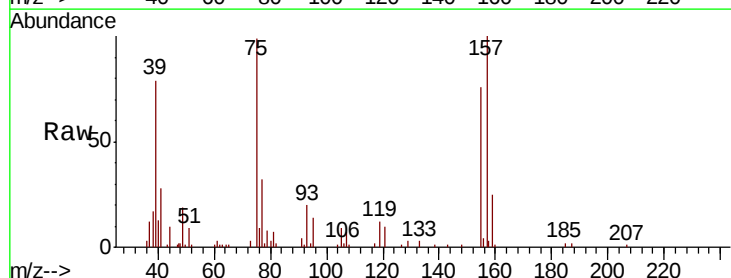
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

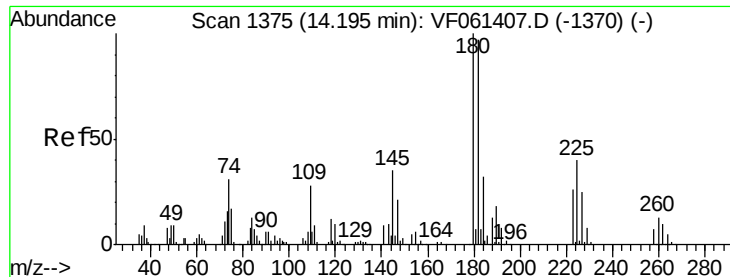
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	66.2	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.655 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	49.7	149.1
157	100.8	61.4	184.1

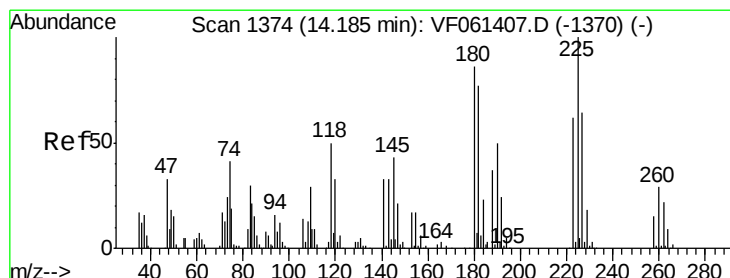
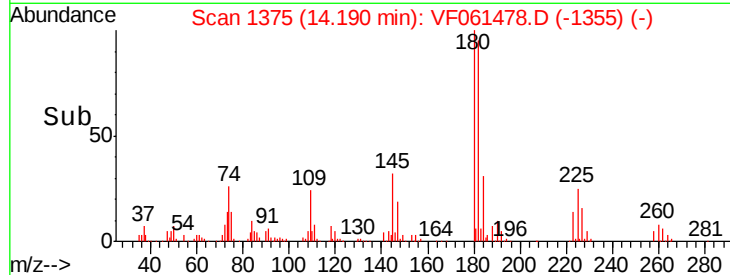
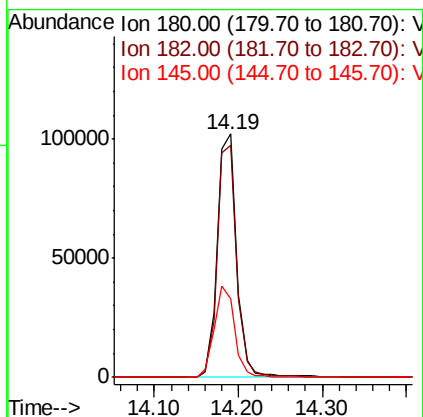
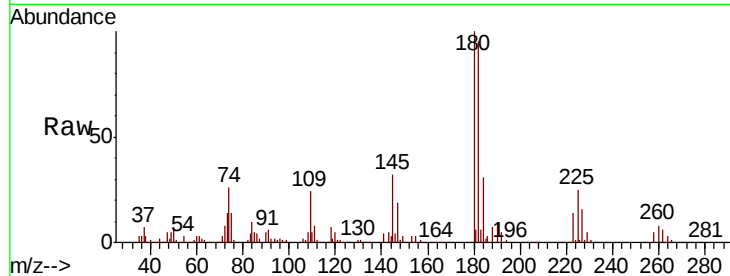




#93
 1,2,4-Trichlorobenzene
 Concen: 51.549 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

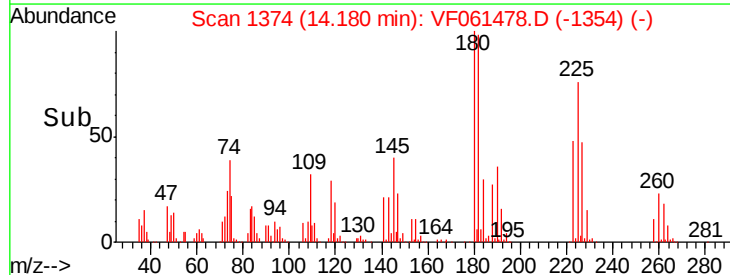
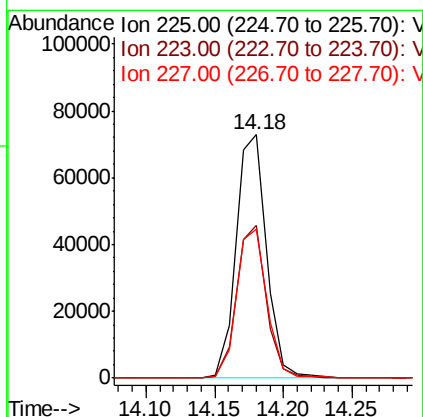
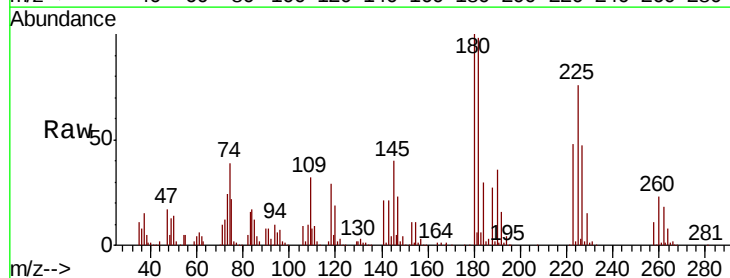
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

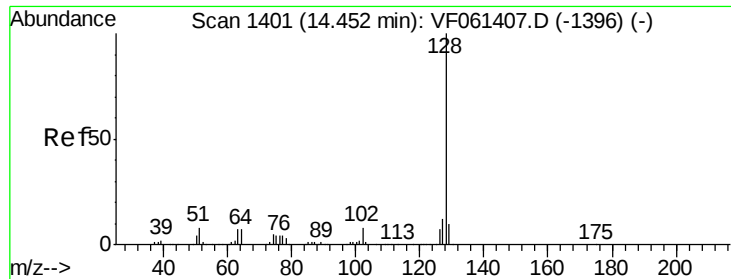
Tgt Ion:180 Resp: 164057
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.5 145.6
 145 32.2 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 56.796 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061478.D
 Acq: 23 Jan 2019 10:29

Tgt Ion:225 Resp: 112163
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.2
 227 61.3 32.2 96.6

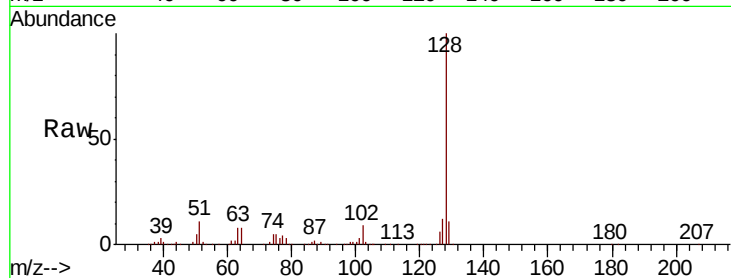




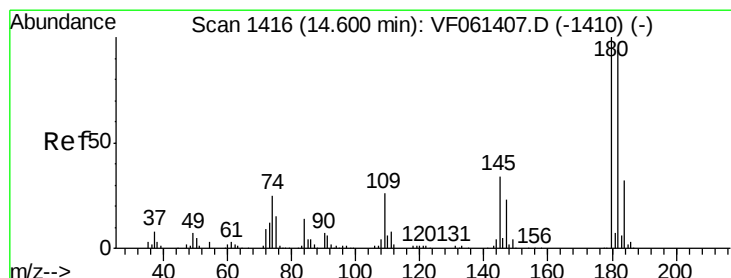
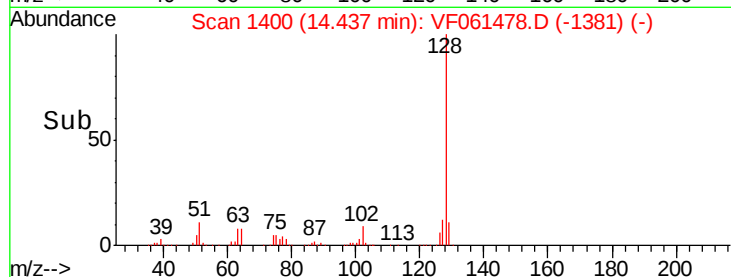
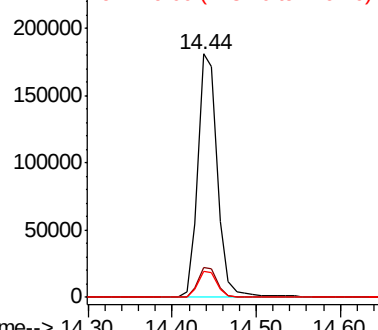
#95
Naphthalene
Concen: 48.476 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 293113
Ion Ratio Lower Upper
128 100
127 12.4 9.5 14.3
129 10.9 8.4 12.6

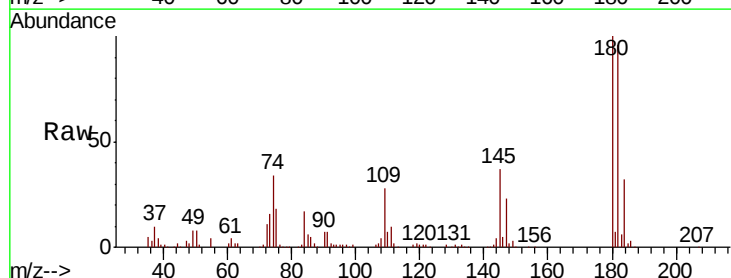


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.221 ug/l
RT: 14.58 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061478.D
Acq: 23 Jan 2019 10:29

Tgt Ion:180 Resp: 147954
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.2
145 36.6 17.1 51.2



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

