

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062125.D
 Acq On : 23 Mar 2019 19:28
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 25 01:30:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	253541	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	393597	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	346196	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	171943	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	95904	50.85	ug/l	-0.04
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	4.11	113	139434	52.37	ug/l	-0.04
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	7.55	98	401457	50.51	ug/l	-0.04
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.41	95	156119	50.88	ug/l	-0.03
Spiked Amount			Recovery	=	101.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	170169	52.391	ug/l	98
3) Chloromethane	1.10	50	180120	52.998	ug/l	95
4) Vinyl Chloride	1.14	62	173665	55.243	ug/l	91
5) Bromomethane	1.32	94	116162	51.404	ug/l	90
6) Chloroethane	1.41	64	82166	51.921	ug/l	94
7) Trichlorofluoromethane	1.49	101	158178	41.662	ug/l	99
8) Diethyl Ether	1.63	74	48351	55.751	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	140613	54.287	ug/l	95
10) Methyl Iodide	1.92	142	217890	44.267	ug/l	99
11) Tert butyl alcohol	2.57	59	27486	264.891	ug/l	99
12) 1,1-Dichloroethene	1.80	96	133637	54.681	ug/l	98
13) Acrolein	2.00	56	36822	295.105	ug/l	97
14) Allyl chloride	2.10	41	141362	54.177	ug/l	98
15) Acrylonitrile	2.94	53	94998	260.353	ug/l	92
16) Acetone	2.23	43	98866	249.090	ug/l	100
17) Carbon Disulfide	1.82	76	403283	54.114	ug/l	97
18) Methyl Acetate	2.34	43	45216	47.757	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	218609	56.596	ug/l	94
20) Methylene Chloride	2.18	84	47365	17.778	ug/l	97
21) trans-1,2-Dichloroethene	2.30	96	137141	58.321	ug/l	92
22) Diisopropyl ether	2.80	45	377985	55.252	ug/l	96
23) Vinyl Acetate	3.18	43	817042	291.701	ug/l	100
24) 1,1-Dichloroethane	2.88	63	223700	54.528	ug/l	99
25) 2-Butanone	4.34	43	222821	268.913	ug/l	97
26) 2,2-Dichloropropane	3.60	77	85590	51.456	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	171394	55.005	ug/l	96
28) Bromochloromethane	3.71	49	99970	59.642	ug/l	93
29) Tetrahydrofuran	4.07	42	98653	273.837	ug/l	97
30) Chloroform	3.85	83	244005	56.279	ug/l	99
31) Cyclohexane	3.69	56	135285	31.574	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	141156	53.522	ug/l	99
36) 1,1-Dichloropropene	4.28	75	209275	55.821	ug/l	95
37) Ethyl Acetate	4.11	43	84452	51.545	ug/l	91
38) Carbon Tetrachloride	3.99	117	135308	52.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	250197	57.502	ug/l	97
40) Benzene	4.63	78	552785	55.002	ug/l	97
41) Methacrylonitrile	4.74	41	46996	54.211	ug/l	96
42) 1,2-Dichloroethane	4.94	62	128673	54.140	ug/l	100
43) Isopropyl Acetate	6.96	43	102826	51.822	ug/l	100
44) Trichloroethene	5.50	130	165327	53.805	ug/l	99
45) 1,2-Dichloropropane	6.23	63	131749	54.962	ug/l	99
46) Dibromomethane	6.08	93	81349	55.503	ug/l	94
47) Bromodichloromethane	6.39	83	182386	56.180	ug/l	94
48) Methyl methacrylate	6.71	41	62336	55.176	ug/l	95
49) 1,4-Dioxane	6.70	88	11499	1159.963	ug/l	91
51) 4-Methyl-2-Pentanone	8.25	43	355488	267.675	ug/l	96
52) Toluene	7.62	92	337178	57.922	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	141658	55.584	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	203798	55.888	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	92444	55.908	ug/l	96
56) Ethyl methacrylate	8.61	69	112581	57.090	ug/l	98
57) 1,3-Dichloropropane	8.85	76	150924	54.995	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	99648	333.011	ug/l	99
59) 2-Hexanone	9.49	43	262105	269.283	ug/l	96
60) Dibromochloromethane	8.71	129	131758	57.320	ug/l	98
61) 1,2-Dibromoethane	8.98	107	98749	55.978	ug/l	98
64) Tetrachloroethene	8.15	164	145520	54.407	ug/l	95
65) Chlorobenzene	9.79	112	352924	54.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	143530	55.163	ug/l	97
67) Ethyl Benzene	9.90	91	620478	55.080	ug/l	99
68) m/p-Xylenes	10.12	106	450461	106.987	ug/l	97
69) o-Xylene	10.71	106	242266	54.938	ug/l	98
70) Styrene	10.78	104	332200	49.720	ug/l	98
71) Bromoform	10.76	173	68158	51.213	ug/l	97
73) Isopropylbenzene	11.12	105	688783	56.929	ug/l	99
74) N-amyl acetate	11.37	43	171529	59.499	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	114524	55.128	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	77578	53.063	ug/l	99
77) Bromobenzene	11.49	156	153963	52.086	ug/l	92
78) n-propylbenzene	11.59	91	769439	54.768	ug/l	97
79) 2-Chlorotoluene	11.71	91	438859	56.200	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	569252	57.200	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	44961	75.472	ug/l	92
82) 4-Chlorotoluene	11.90	91	428204	53.481	ug/l	97
83) tert-Butylbenzene	12.13	119	603230	57.903	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	541900	55.545	ug/l	99
85) sec-Butylbenzene	12.30	105	735739	54.592	ug/l	100
86) p-Isopropyltoluene	12.46	119	661012	56.612	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	297594	54.188	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	294962	55.041	ug/l	99
89) n-Butylbenzene	12.85	91	606426	54.438	ug/l	98
90) Hexachloroethane	12.91	117	158058	56.850	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	283415	54.960	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18644	59.231	ug/l	66

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Response via : Initial Calibration

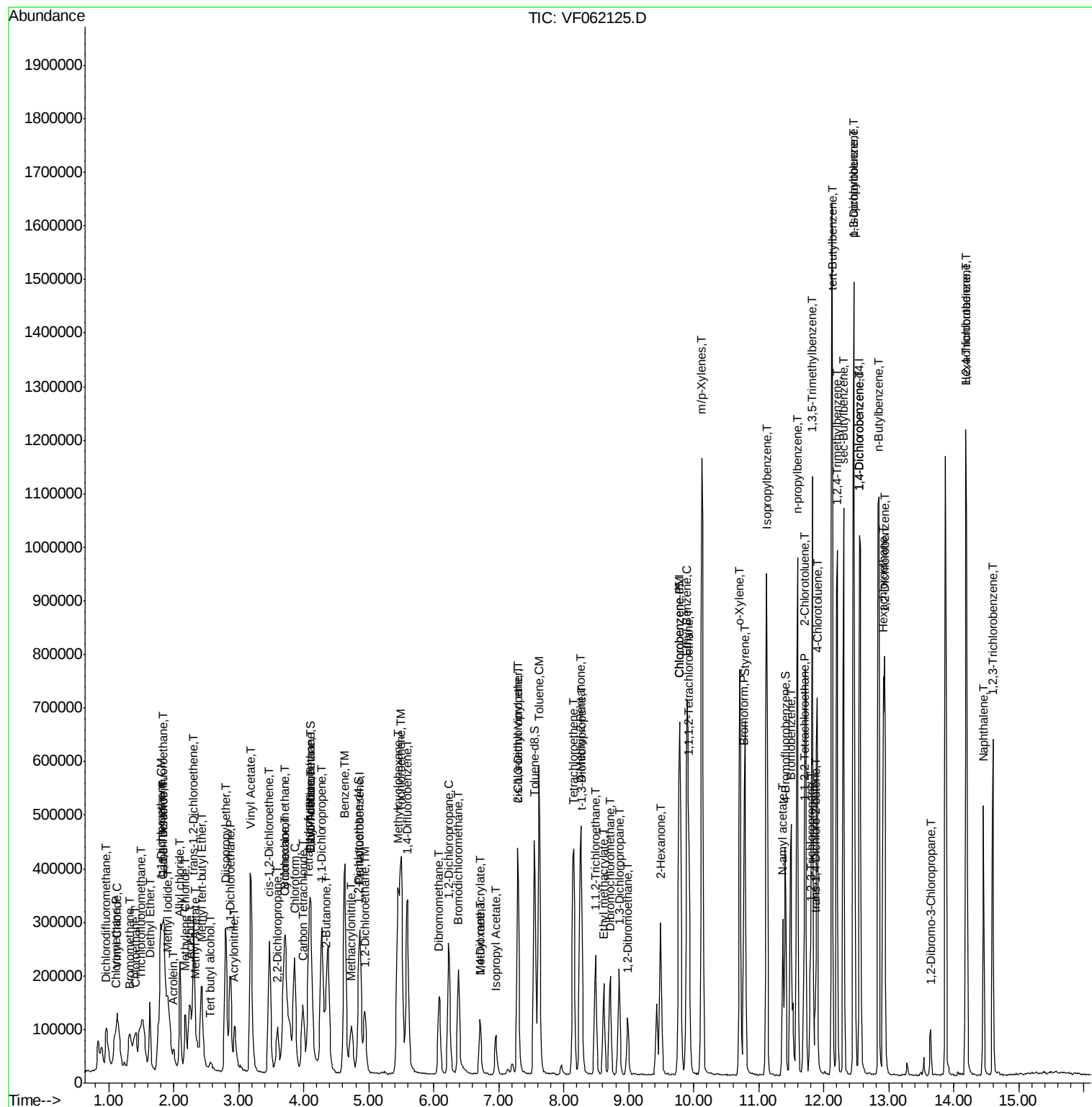
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	203706	56.679	ug/l	97
94) Hexachlorobutadiene	14.19	225	135527	56.713	ug/l	97
95) Naphthalene	14.45	128	359482	57.077	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	192069	57.092	ug/l	99

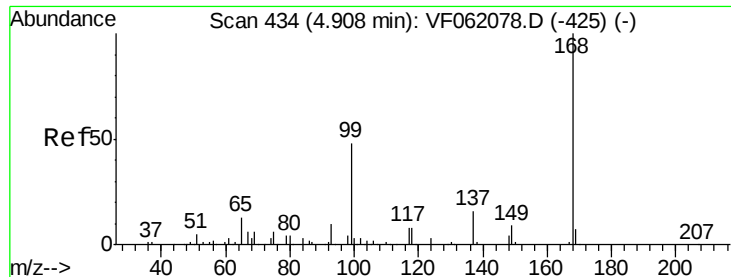
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

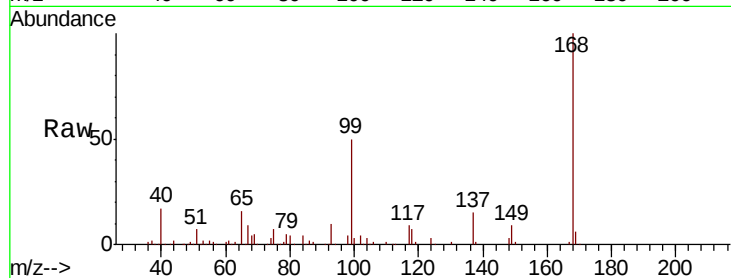
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 253541

Ion Ratio Lower Upper

168 100

99 50.2 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

40000

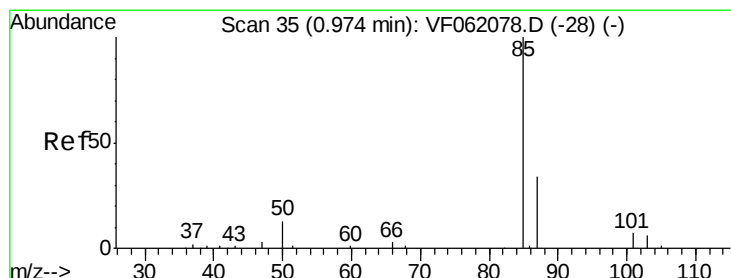
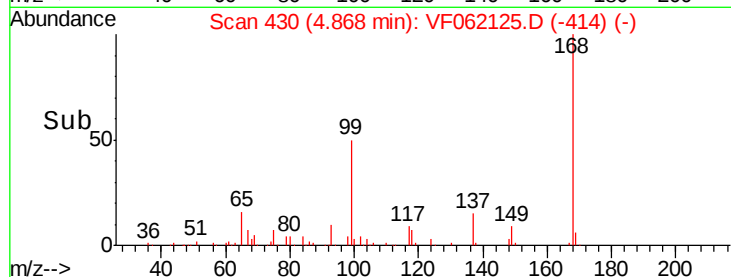
20000

0

Time-->

4.80

5.00



#2

Dichlorodifluoromethane

Concen: 52.391 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062125.D

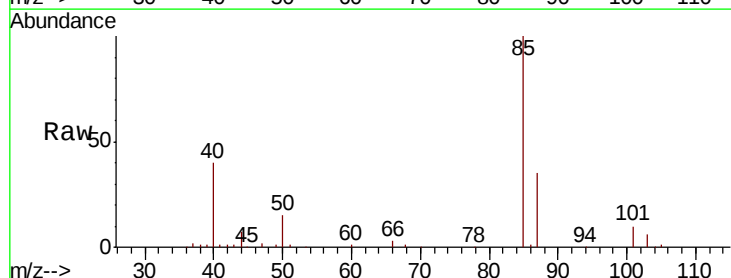
Acq: 23 Mar 2019 19:28

Tgt Ion: 85 Resp: 170169

Ion Ratio Lower Upper

85 100

87 34.9 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

20000

10000

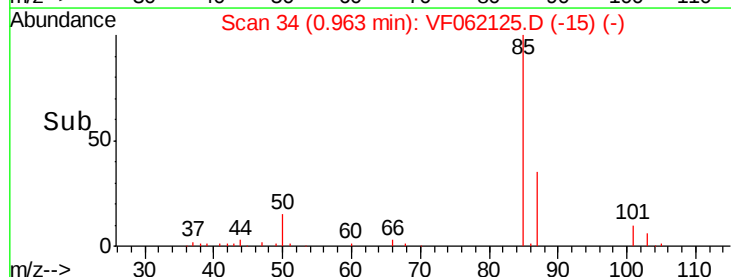
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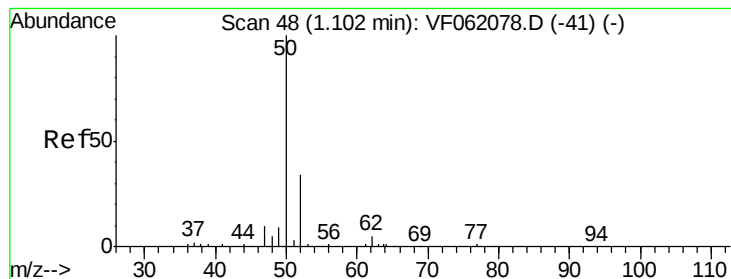
Time-->

0.90

1.00

1.10





#3

Chloromethane

Concen: 52.998 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

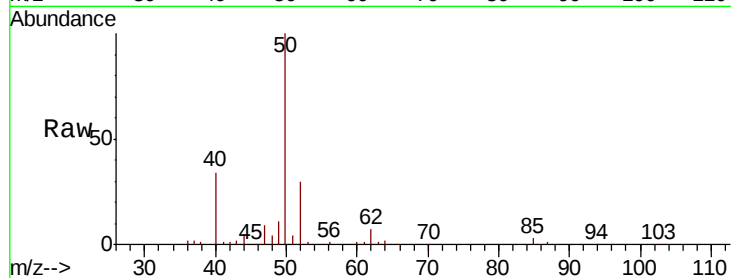
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 180120

Ion Ratio Lower Upper

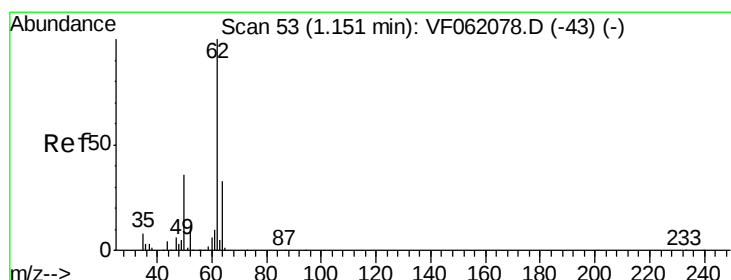
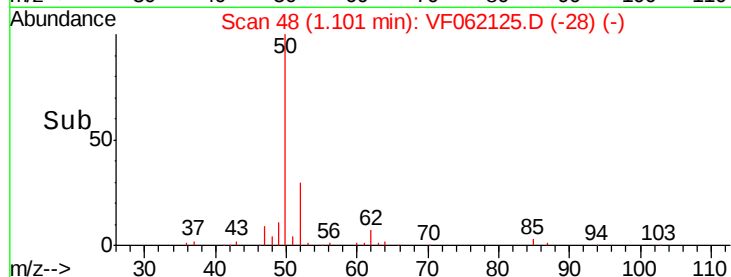
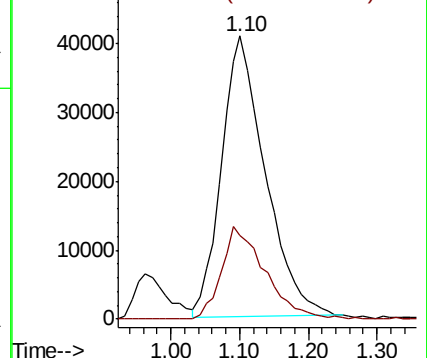
50 100

52 29.7 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 55.243 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062125.D

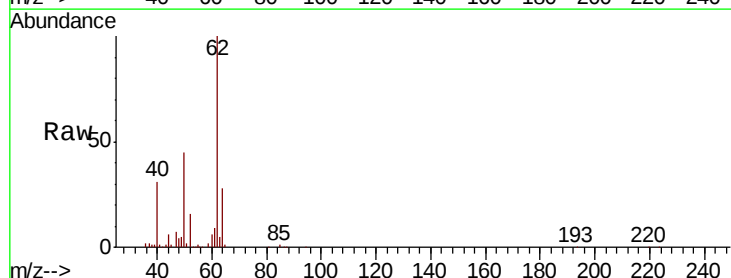
Acq: 23 Mar 2019 19:28

Tgt Ion: 62 Resp: 173665

Ion Ratio Lower Upper

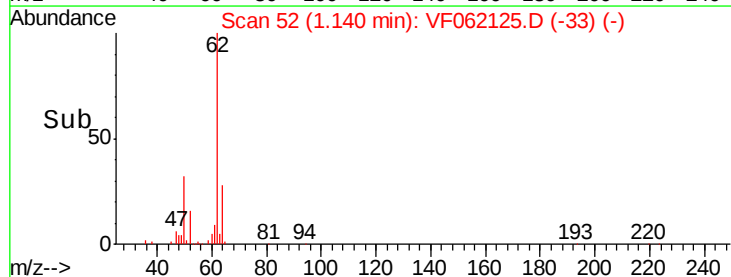
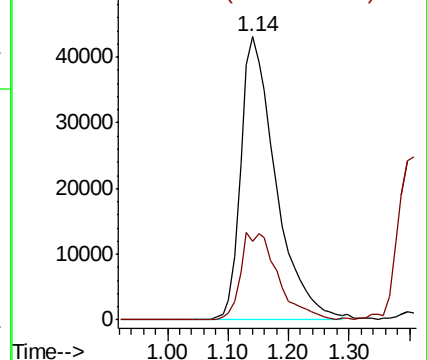
62 100

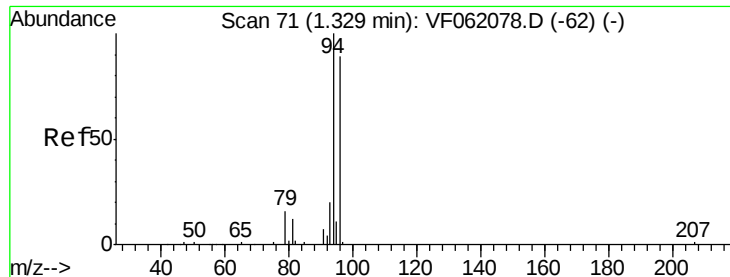
64 27.8 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 51.404 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

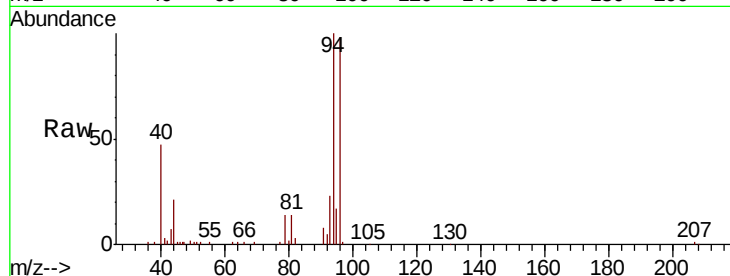
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 116162

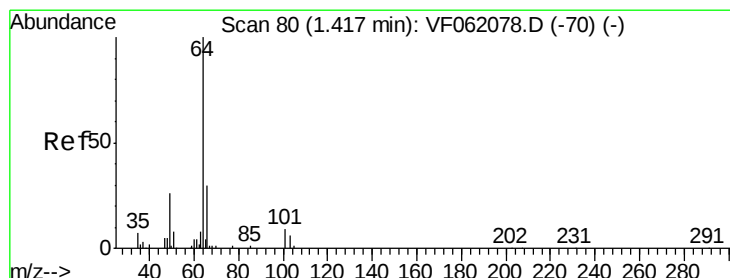
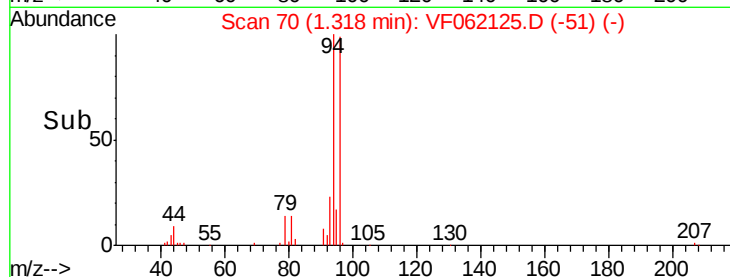
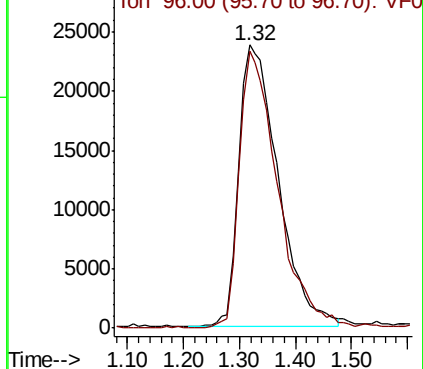
Ion Ratio Lower Upper

94 100

96 98.0 70.9 106.3



Abundance Ion 94.00 (93.70 to 94.70): VF0



#6

Chloroethane

Concen: 51.921 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062125.D

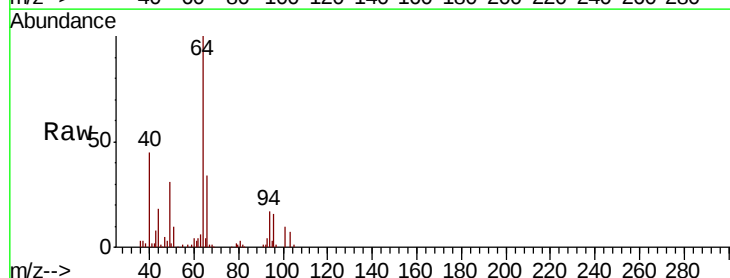
Acq: 23 Mar 2019 19:28

Tgt Ion: 64 Resp: 82166

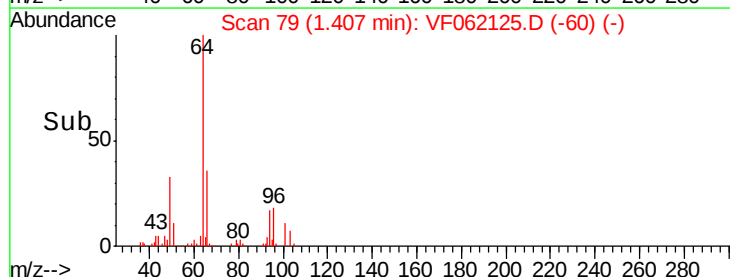
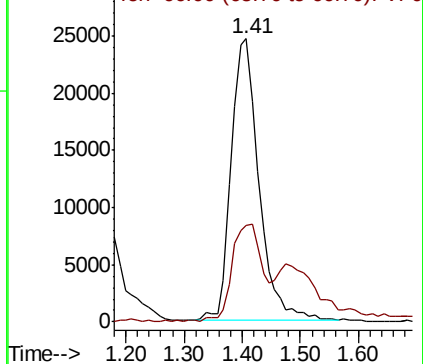
Ion Ratio Lower Upper

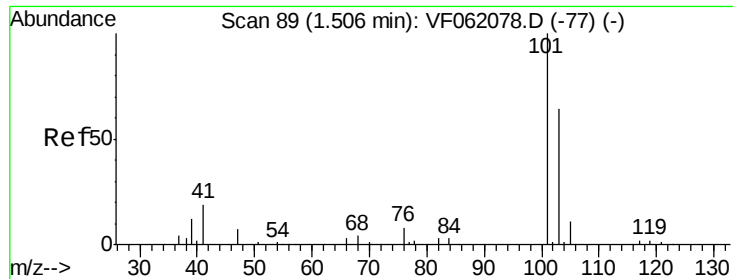
64 100

66 34.1 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VF0



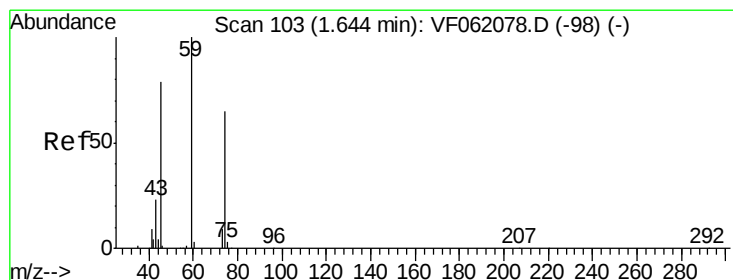
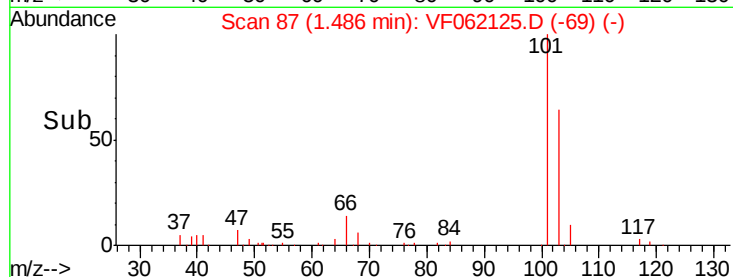
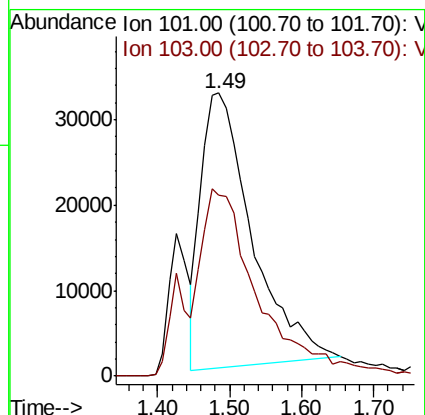
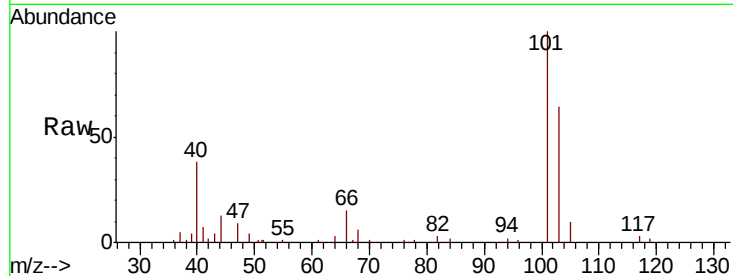


#7

Trichlorofluoromethane
 Concen: 41.662 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :

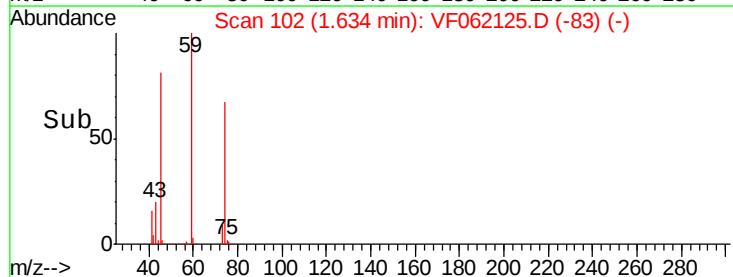
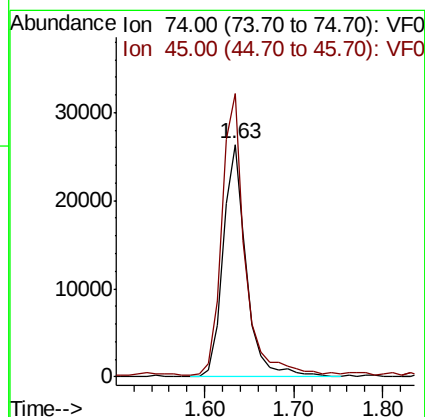
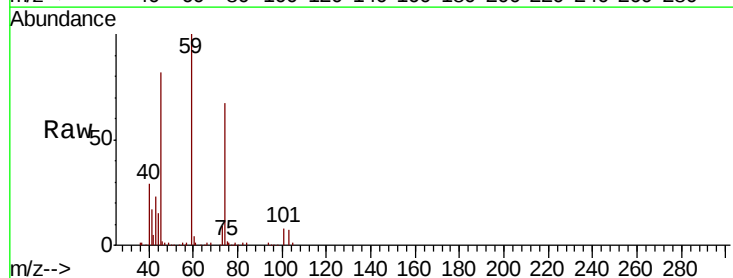
Tot Ion:101 Resp: 158178
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3

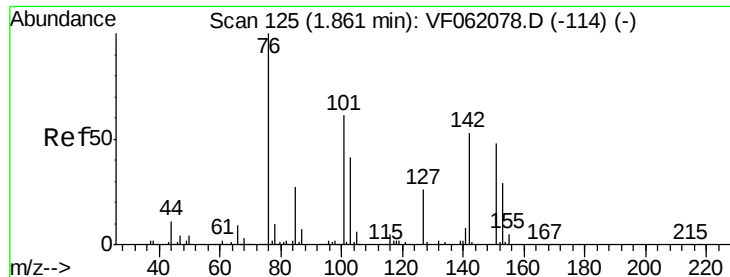


#8

Diethyl Ether
 Concen: 55.751 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion: 74 Resp: 48351
 Ion Ratio Lower Upper
 74 100
 45 121.7 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.287 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.01 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

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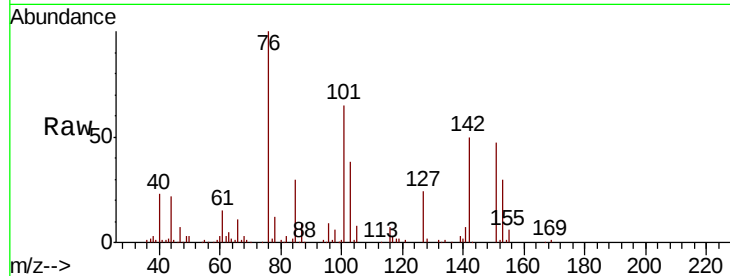
Tot Ion:101 Resp: 140613

Ion Ratio Lower Upper

101 100

85 45.5 34.6 52.0

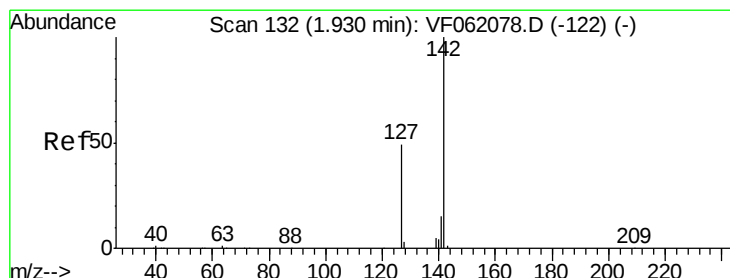
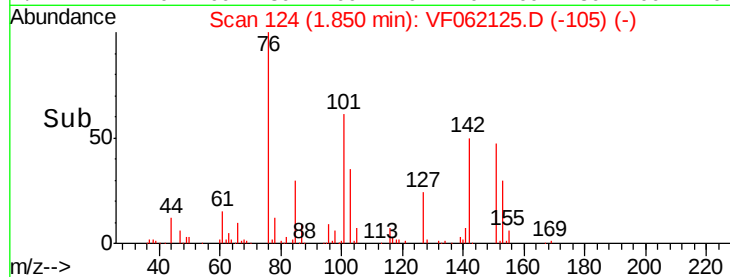
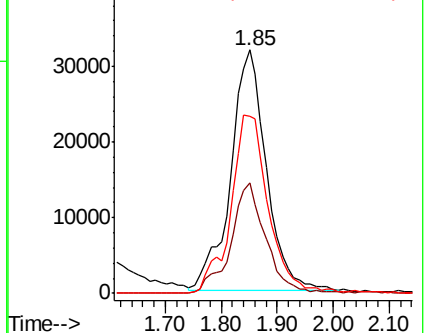
151 72.5 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 44.267 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

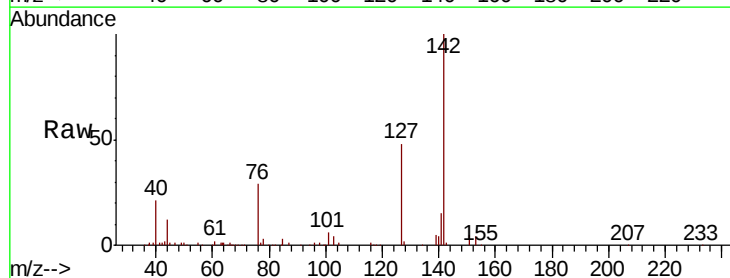
Tgt Ion:142 Resp: 217890

Ion Ratio Lower Upper

142 100

127 48.2 39.1 58.7

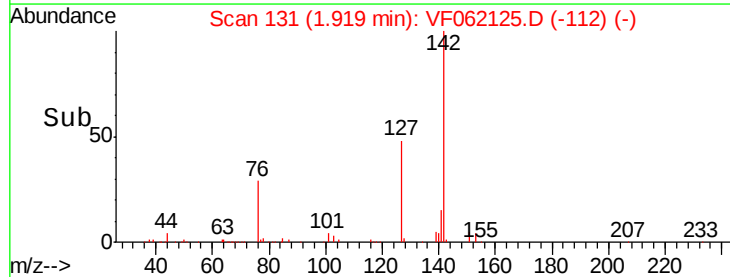
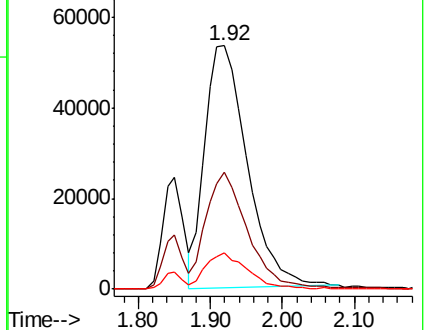
141 14.8 12.2 18.4

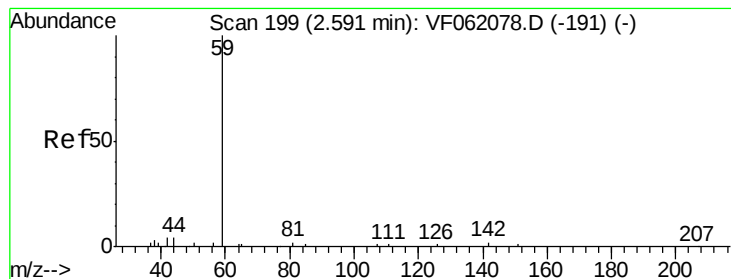


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



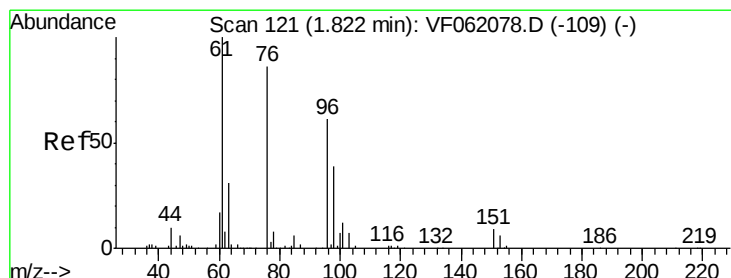
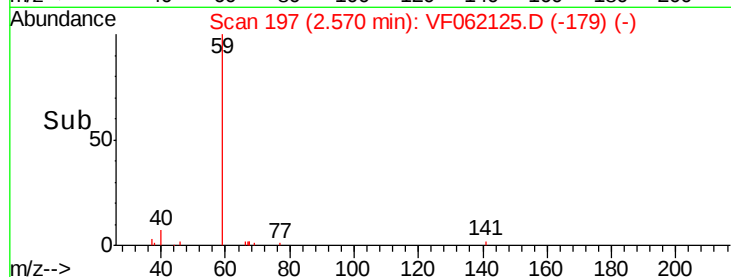
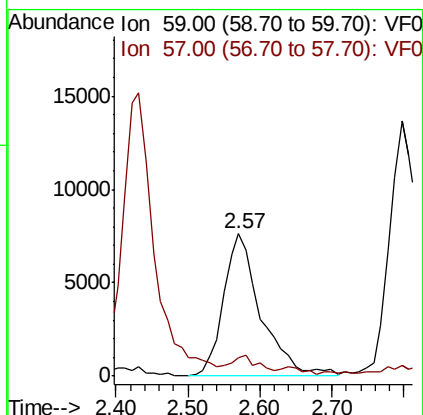
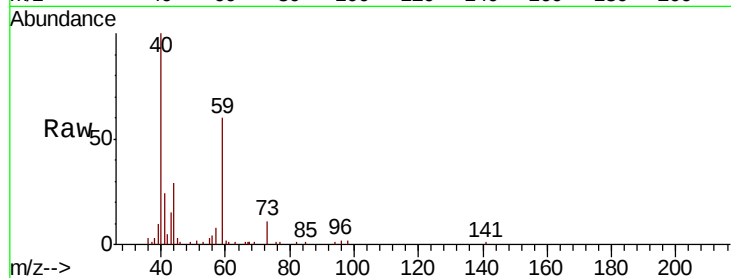


#11

Tert butyl alcohol
Concen: 264.891 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

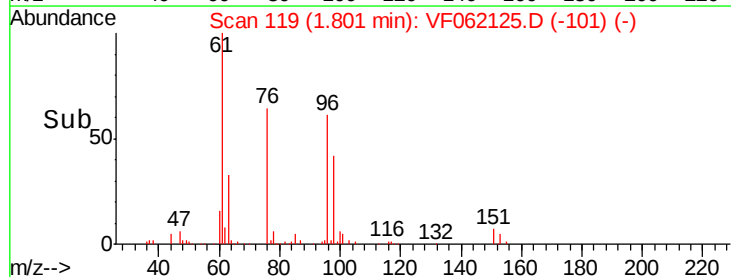
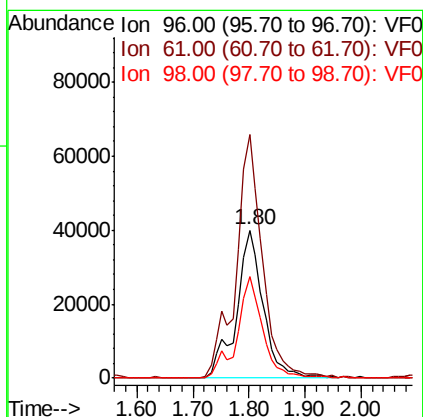
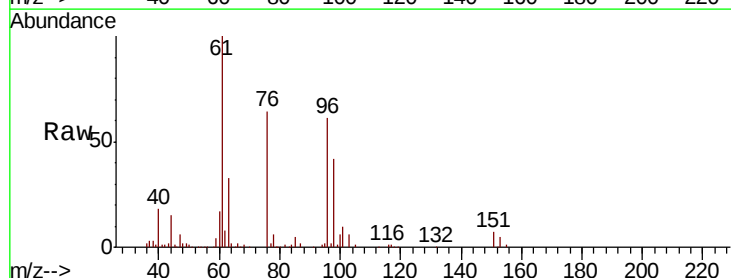
Tot Ion: 59 Resp: 27486
Ion Ratio Lower Upper
59 100
57 13.2 11.0 16.4

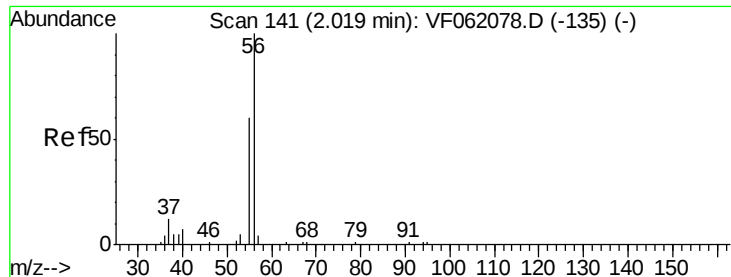


#12

1,1-Dichloroethene
Concen: 54.681 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 96 Resp: 133637
Ion Ratio Lower Upper
96 100
61 164.3 131.0 196.6
98 68.5 51.5 77.3





#13

Acrolein

Concen: 295.105 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

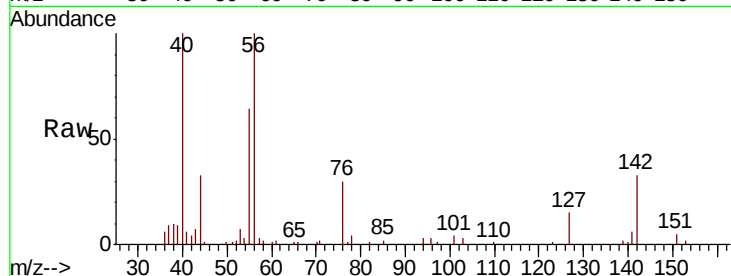
ClientSampleId :

Tot Ion: 56 Resp: 36822

Ion Ratio Lower Upper

56 100

55 63.8 49.0 73.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

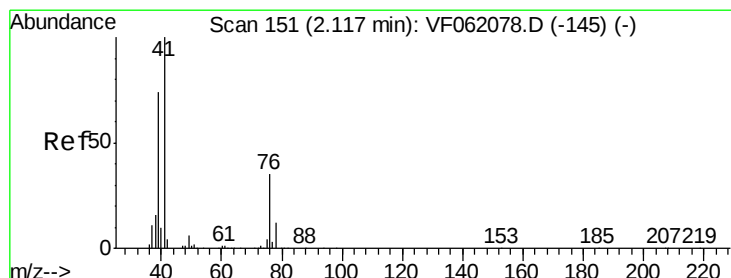
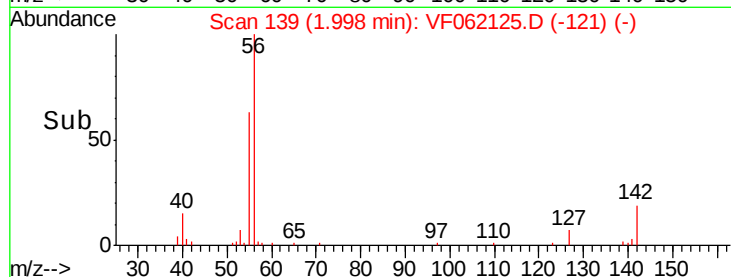
15000

10000

5000

2.00

Time-->



#14

Allyl chloride

Concen: 54.177 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

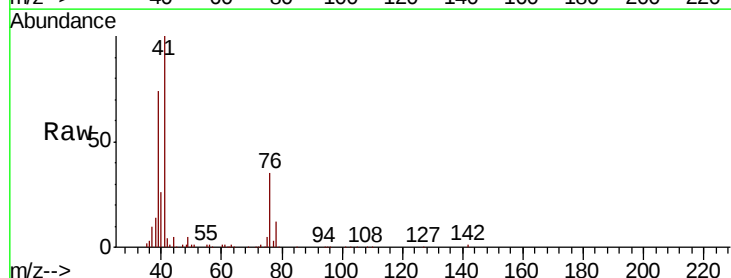
Tgt Ion: 41 Resp: 141362

Ion Ratio Lower Upper

41 100

39 74.5 59.8 89.8

76 34.6 30.0 45.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

100000

80000

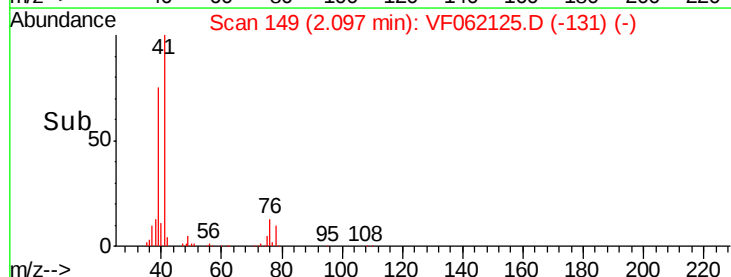
60000

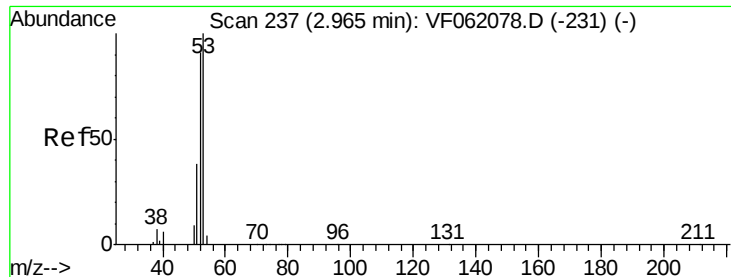
40000

20000

2.10

Time-->





#15

Acrylonitrile

Concen: 260.353 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

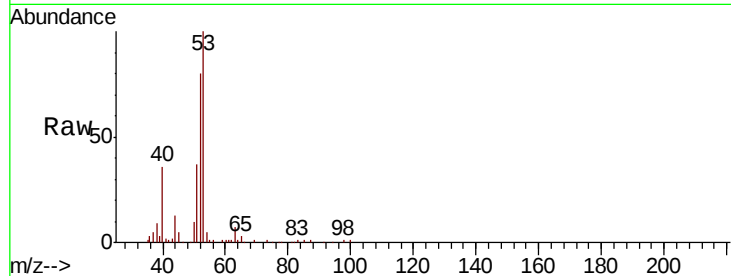
Tot Ion: 53 Resp: 94998

Ion Ratio Lower Upper

53 100

52 80.4 72.3 108.5

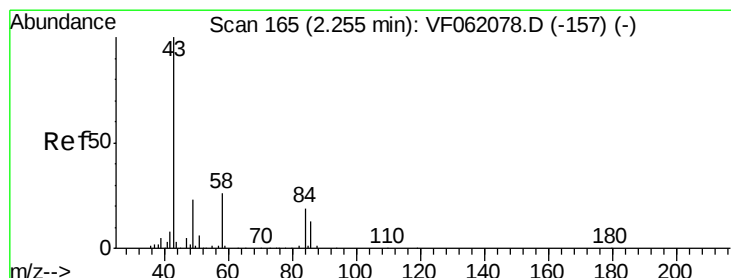
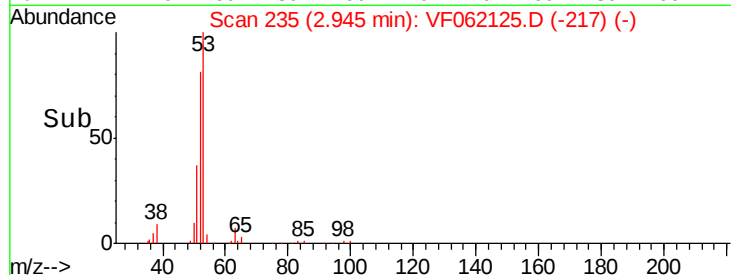
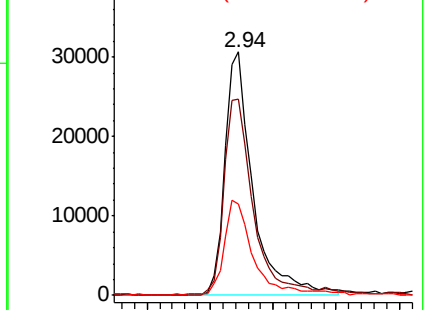
51 37.2 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 249.090 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062125.D

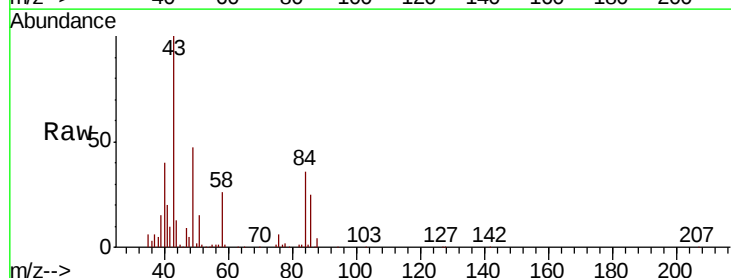
Acq: 23 Mar 2019 19:28

Tgt Ion: 43 Resp: 98866

Ion Ratio Lower Upper

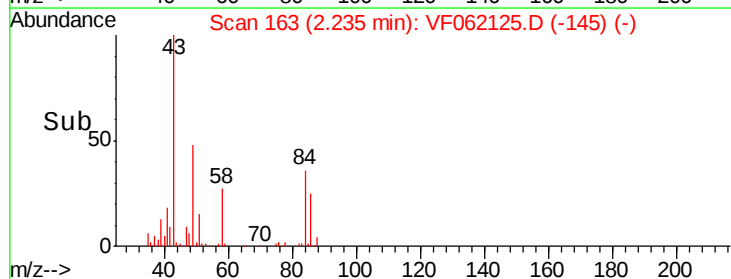
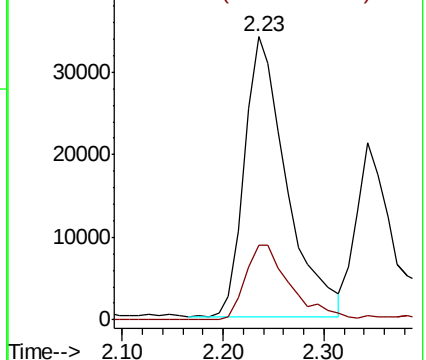
43 100

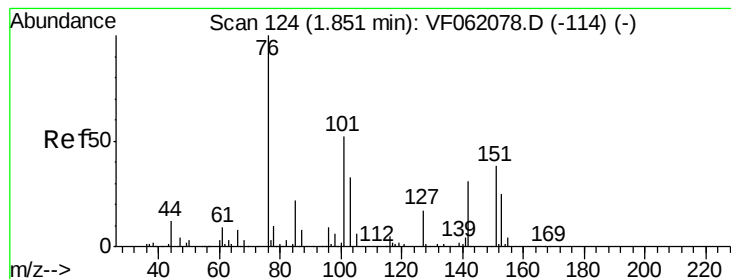
58 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 54.114 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

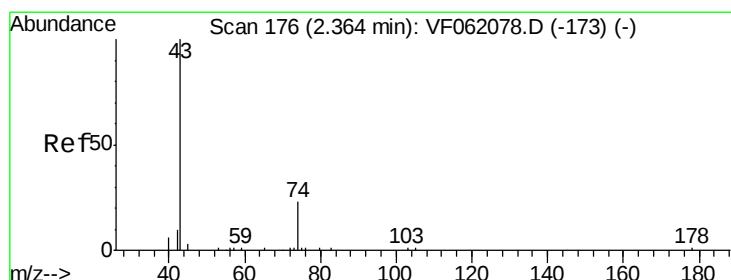
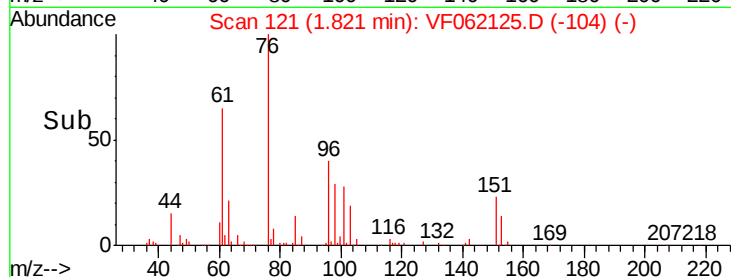
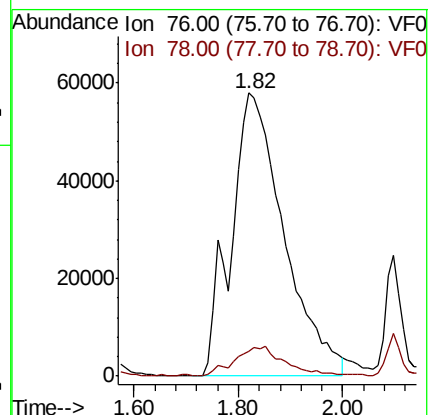
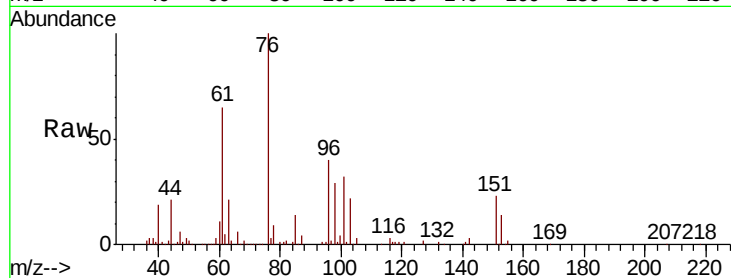
ClientSampleId :

Tot Ion: 76 Resp: 403283

Ion Ratio Lower Upper

76 100

78 8.9 7.9 11.9



#18

Methyl Acetate

Concen: 47.757 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF062125.D

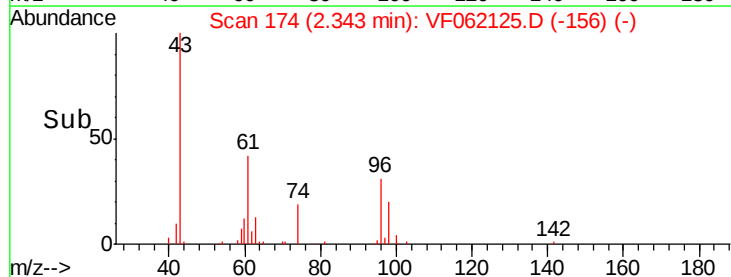
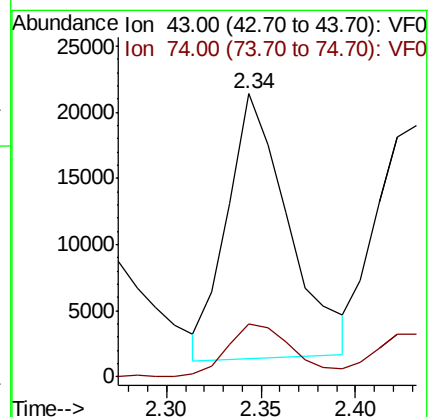
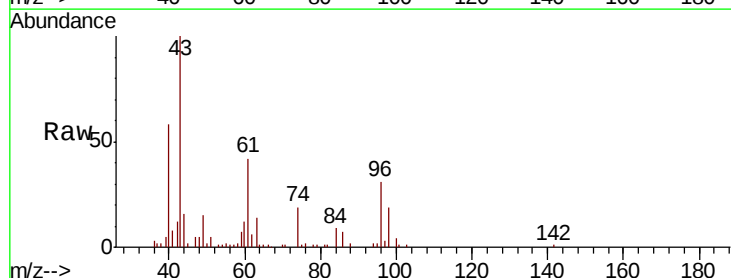
Acq: 23 Mar 2019 19:28

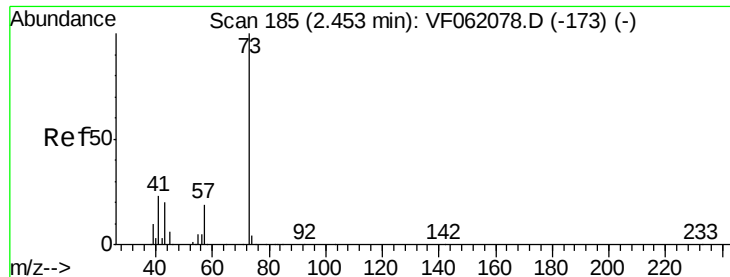
Tgt Ion: 43 Resp: 45216

Ion Ratio Lower Upper

43 100

74 18.7 16.3 24.5

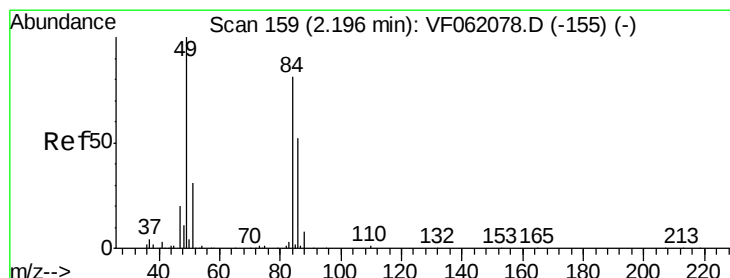
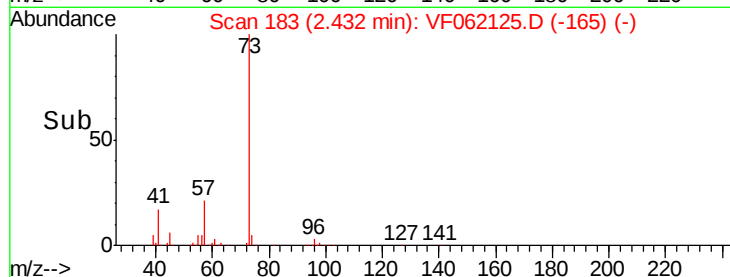
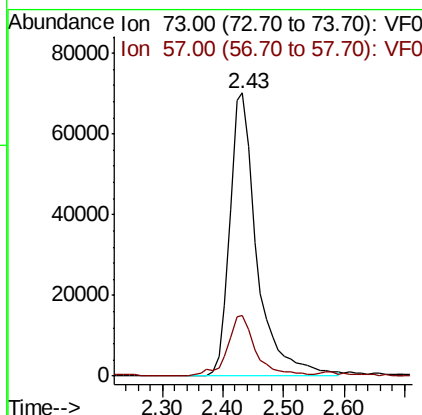
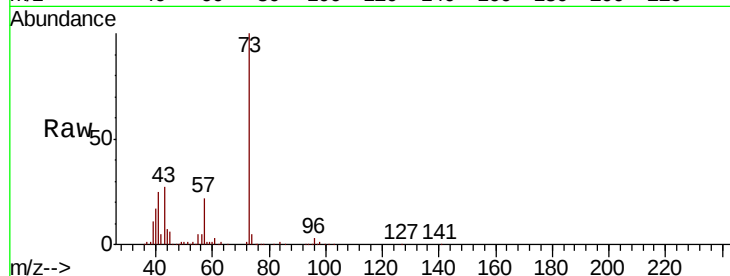




#19
Methyl tert-butyl Ether
Concen: 56.596 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

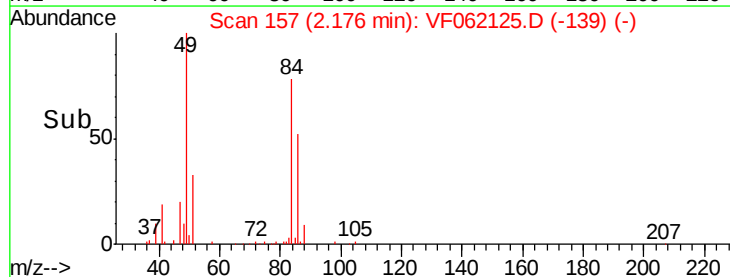
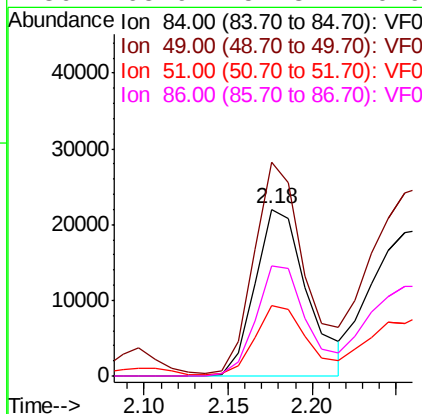
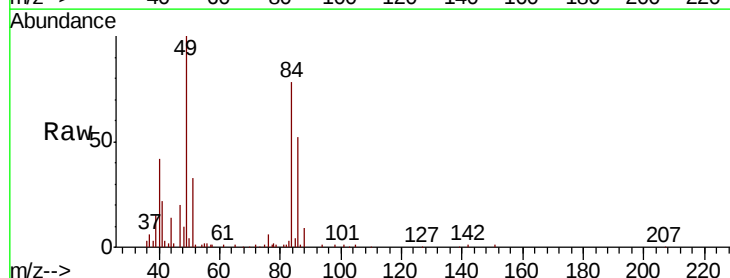
Instrument :
MSVOA_F
ClientSampleId :

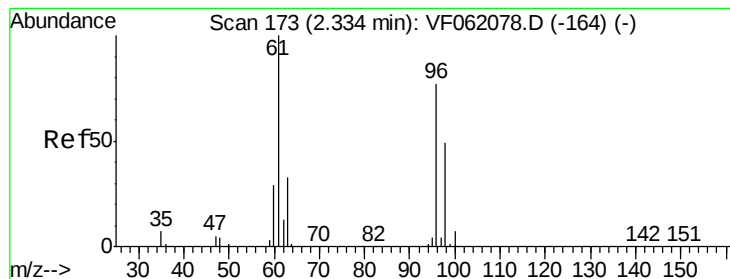
Tot Ion: 73 Resp: 218609
Ion Ratio Lower Upper
73 100
57 21.6 15.1 22.7



#20
Methylene Chloride
Concen: 17.778 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 84 Resp: 47365
Ion Ratio Lower Upper
84 100
49 128.0 100.4 150.6
51 42.3 31.0 46.6
86 65.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 58.321 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

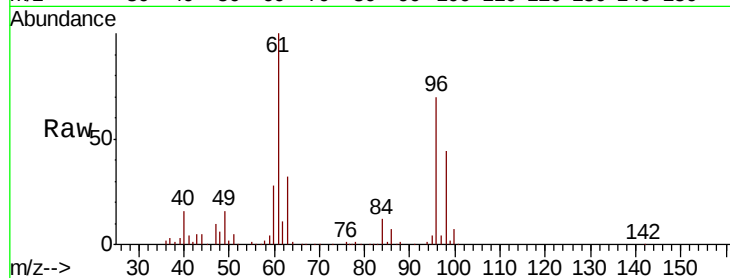
Tot Ion: 96 Resp: 137141

Ion Ratio Lower Upper

96 100

61 143.3 104.5 156.7

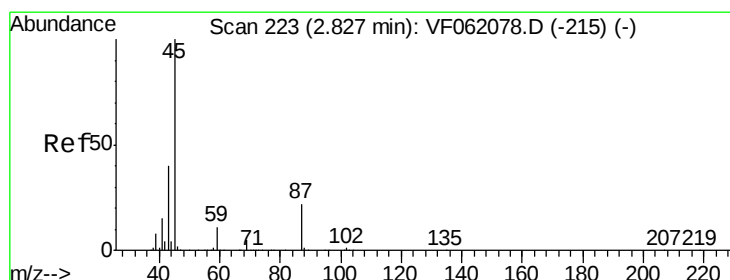
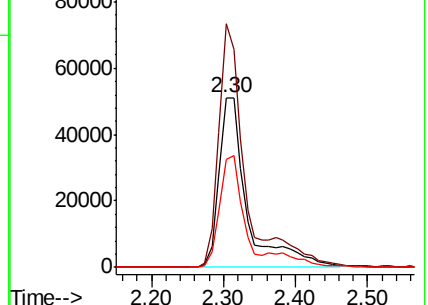
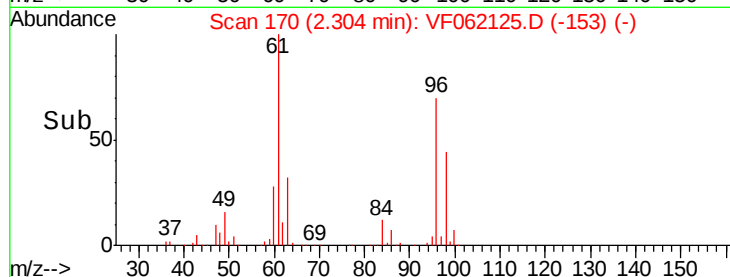
98 63.4 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 55.252 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion: 45 Resp: 377985

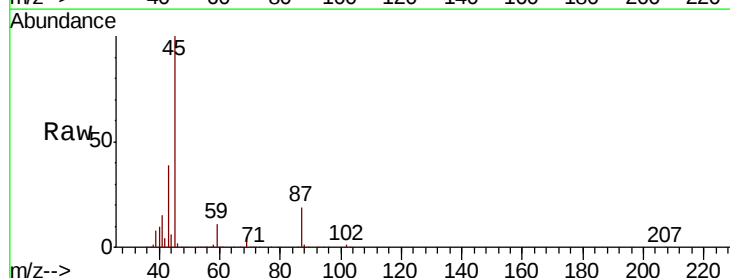
Ion Ratio Lower Upper

45 100

43 38.6 32.5 48.7

87 18.9 17.4 26.2

59 10.7 8.6 12.8

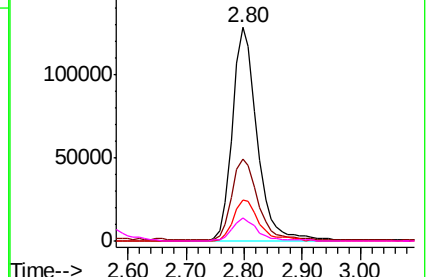
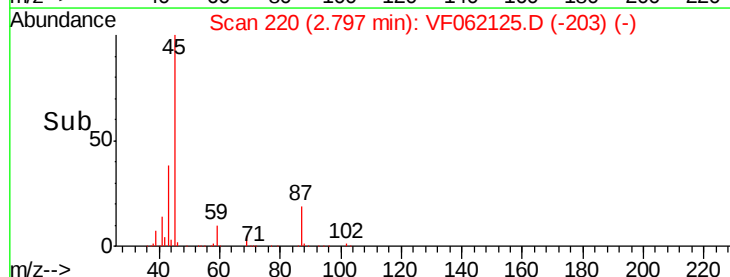


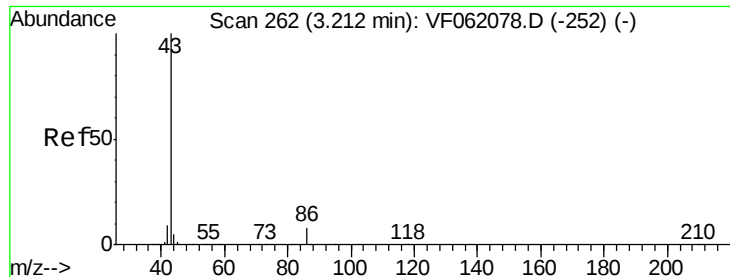
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 291.701 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

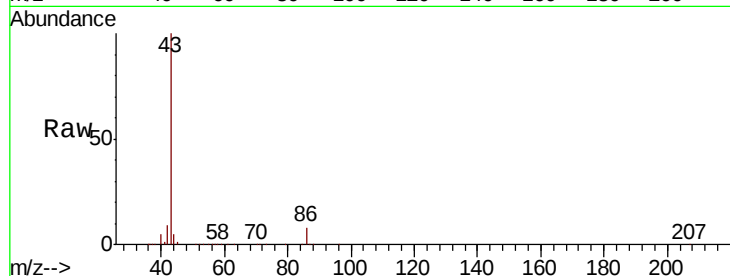
ClientSampleId :

Tot Ion: 43 Resp: 817042

Ion Ratio Lower Upper

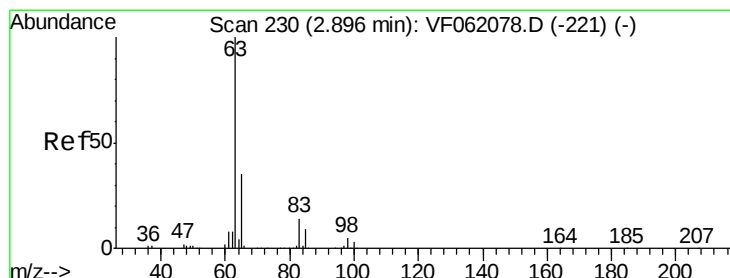
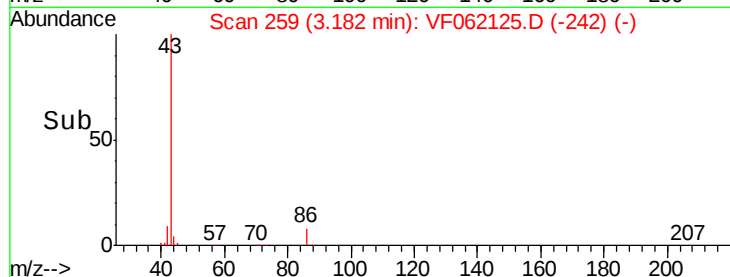
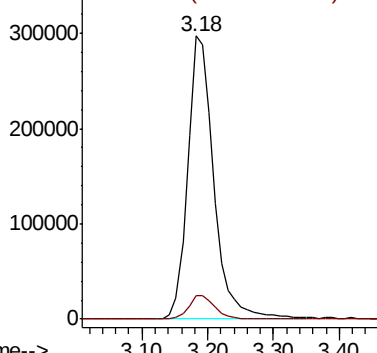
43 100

86 8.3 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.528 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

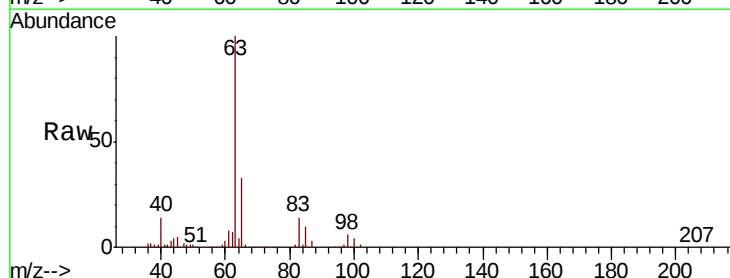
Tgt Ion: 63 Resp: 223700

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

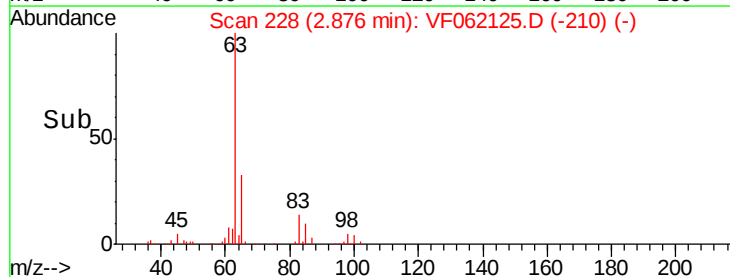
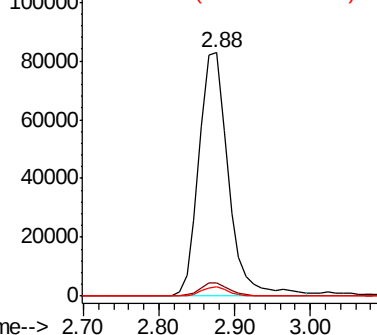
100 3.7 1.7 5.1

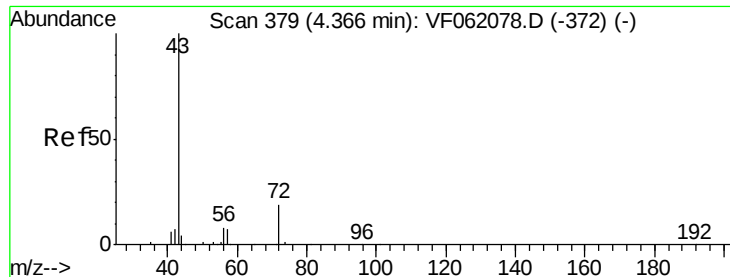


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 268.913 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

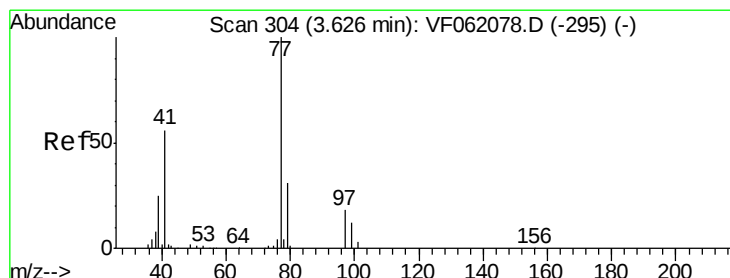
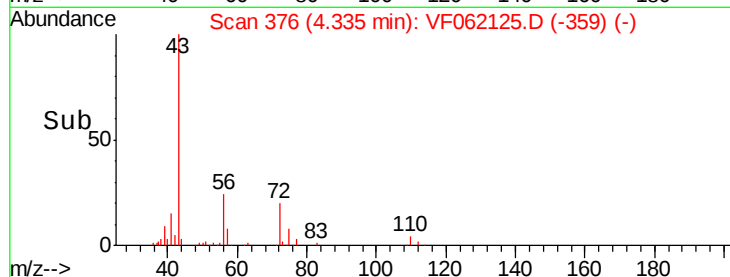
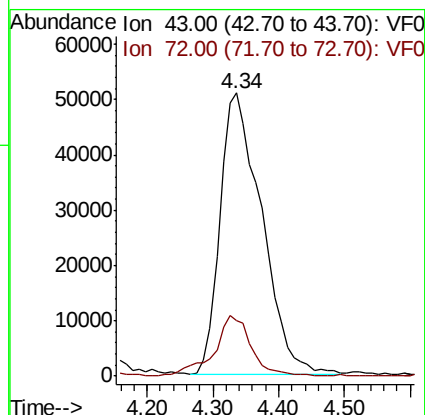
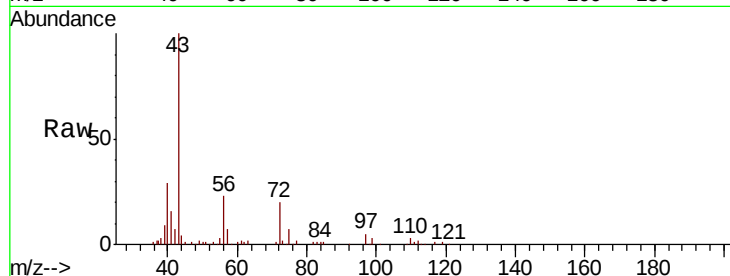
ClientSampleId :

Tot Ion: 43 Resp: 222821

Ion Ratio Lower Upper

43 100

72 19.6 16.7 25.1



#26

2,2-Dichloropropane

Concen: 51.456 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.03 min

Lab File: VF062125.D

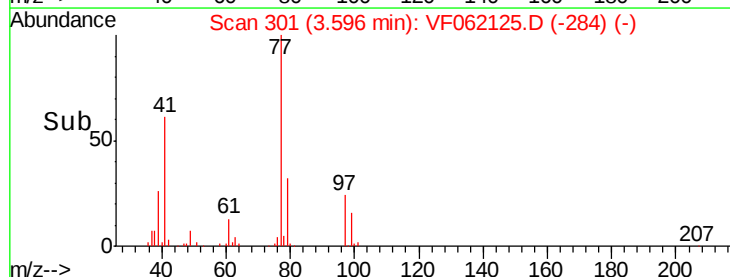
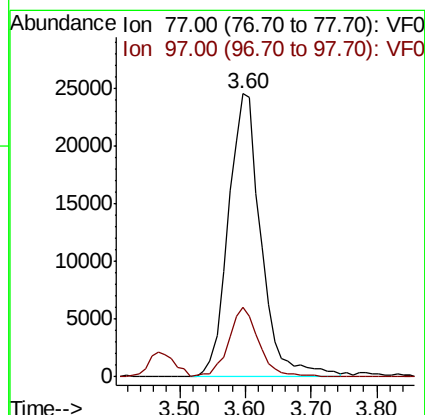
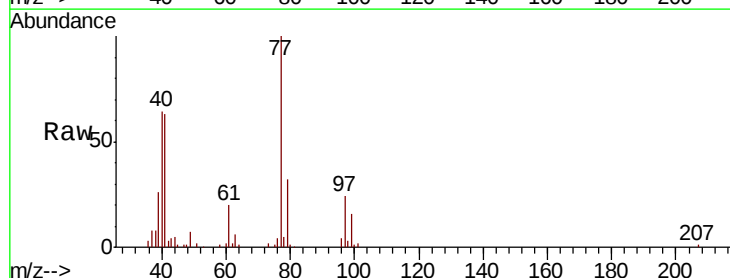
Acq: 23 Mar 2019 19:28

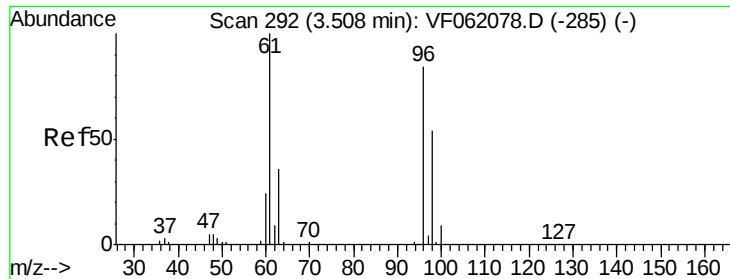
Tgt Ion: 77 Resp: 85590

Ion Ratio Lower Upper

77 100

97 24.4 10.3 30.9



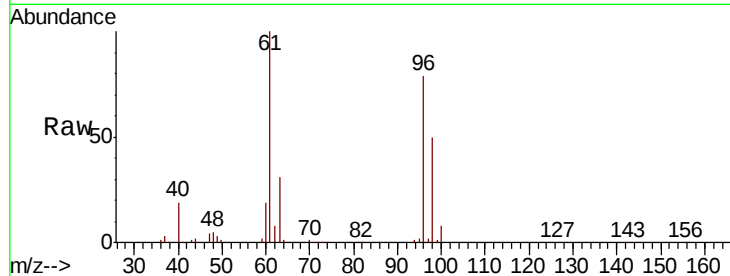


#27

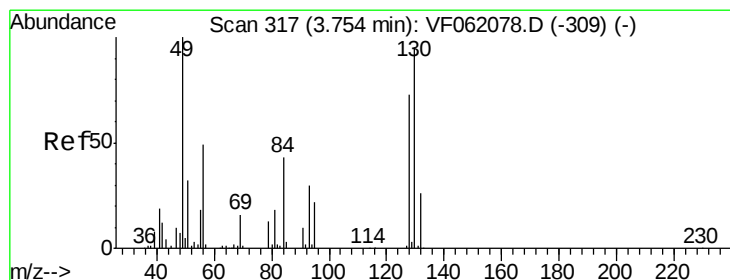
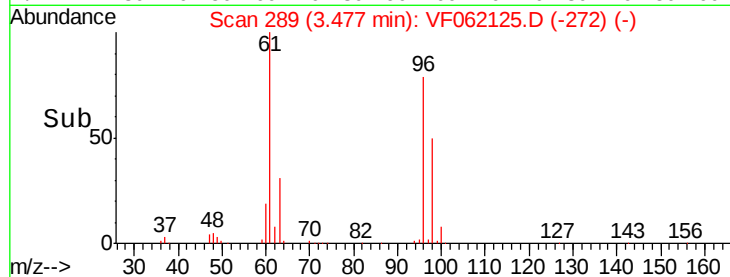
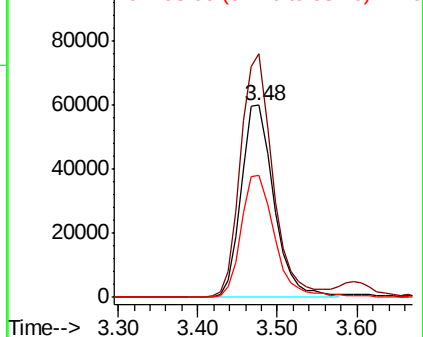
cis-1,2-Dichloroethene
Concen: 55.005 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 171394
Ion Ratio Lower Upper
96 100
61 126.7 0.0 239.0
98 63.6 0.0 128.2



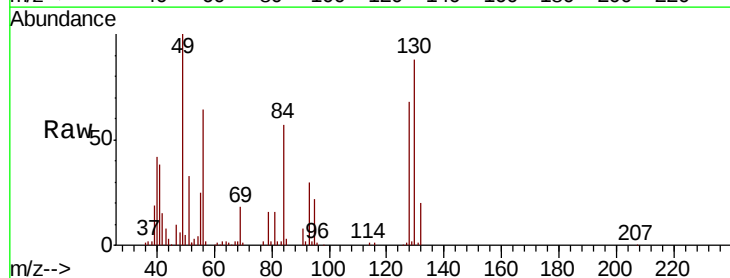
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



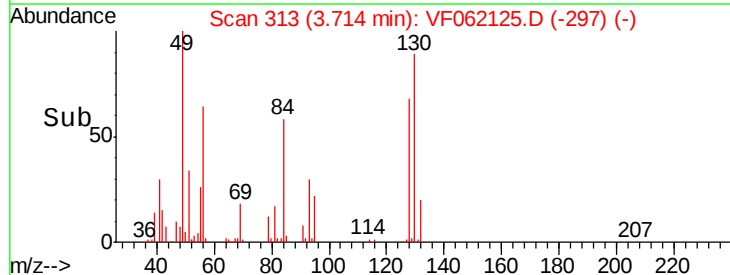
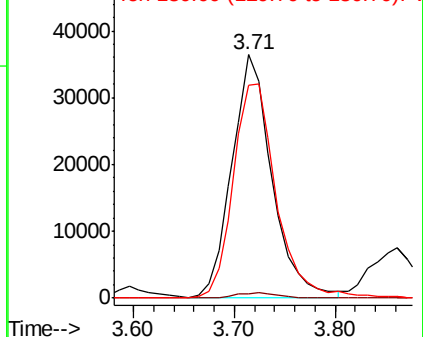
#28

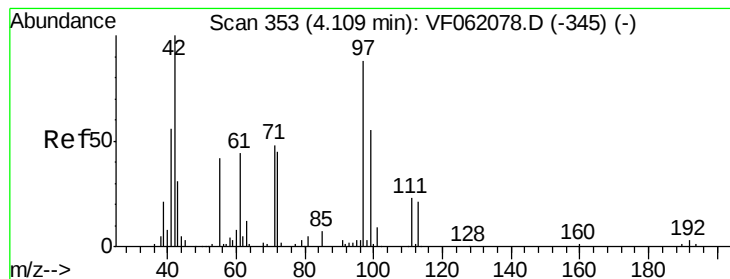
Bromochloromethane
Concen: 59.642 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 49 Resp: 99970
Ion Ratio Lower Upper
49 100
129 1.8 0.0 5.6
130 87.5 75.5 113.3



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: 273.837 ug/l

RT: 4.07 min Scan# 349

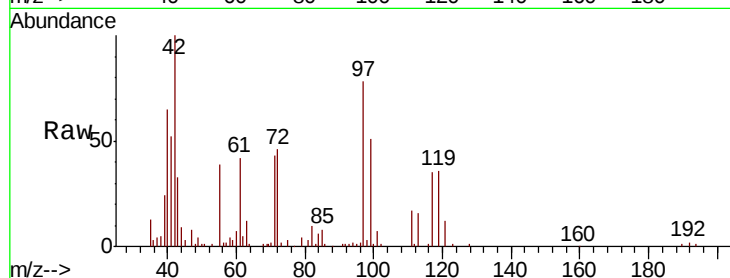
Delta R.T. -0.04 min

Lab File: VF062125.D

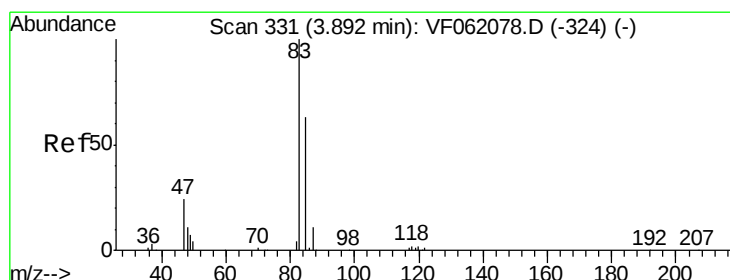
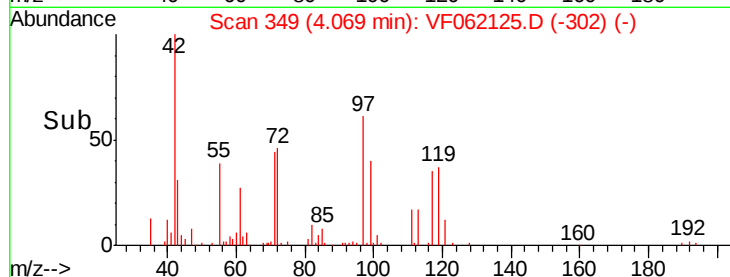
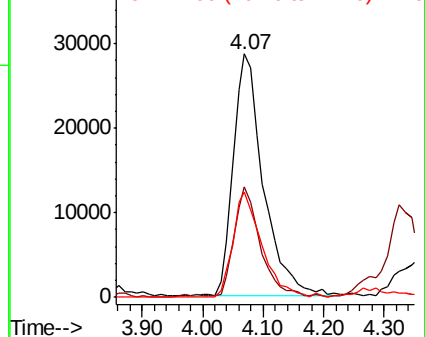
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	98653
Ion	Ratio	Lower	Upper
42	100		
72	40.5	33.3	49.9
71	41.6	35.0	52.4



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: 56.279 ug/l

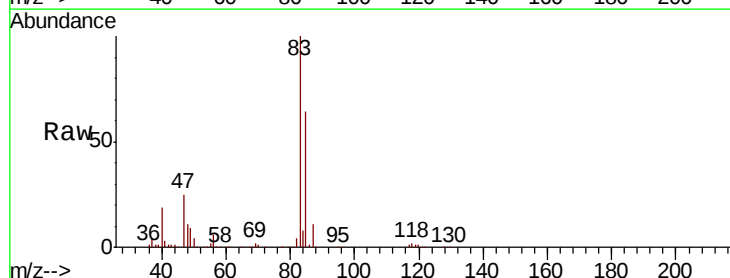
RT: 3.85 min Scan# 327

Delta R.T. -0.04 min

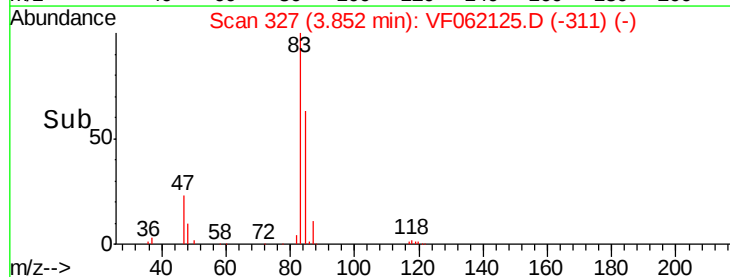
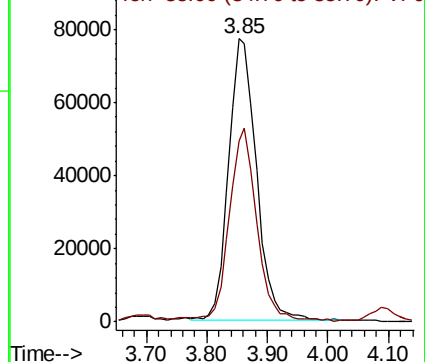
Lab File: VF062125.D

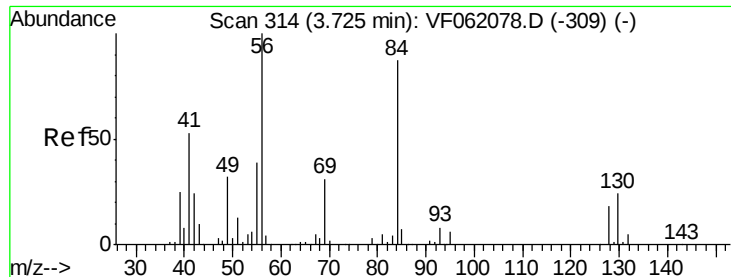
Acq: 23 Mar 2019 19:28

Tgt Ion:	83	Resp:	244005
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3



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

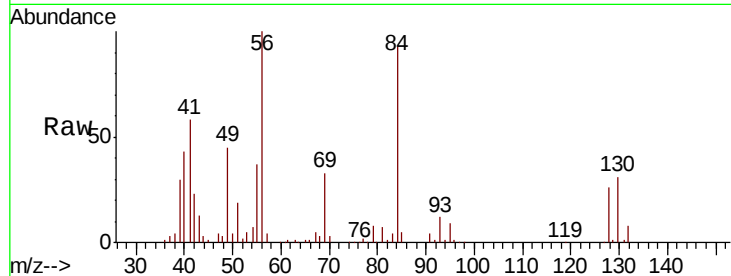




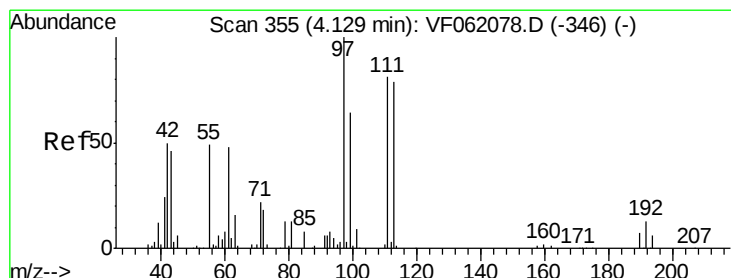
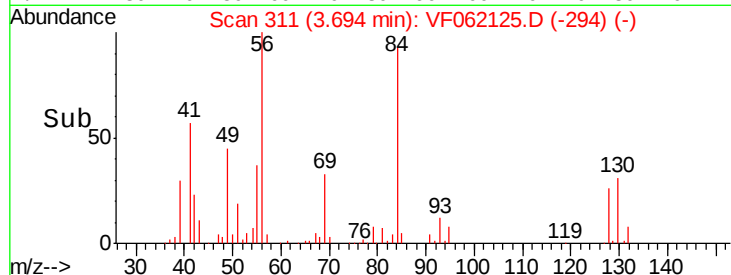
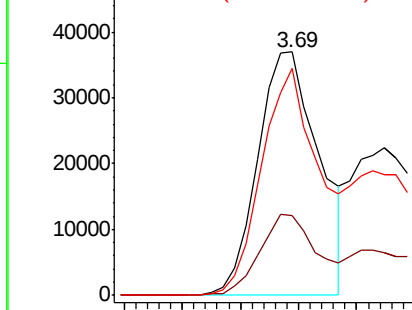
#31
Cvclohexane
Concen: 31.574 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 135285
Ion Ratio Lower Upper
56 100
69 32.6 25.9 38.9
84 93.4 71.1 106.7

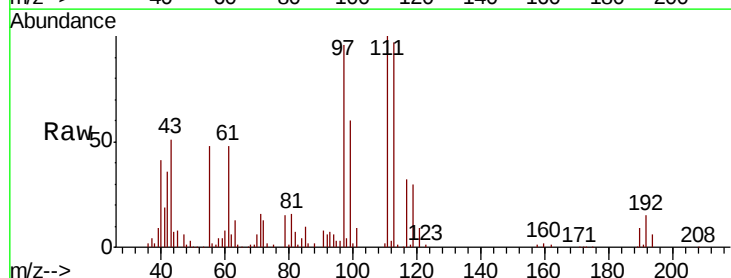


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

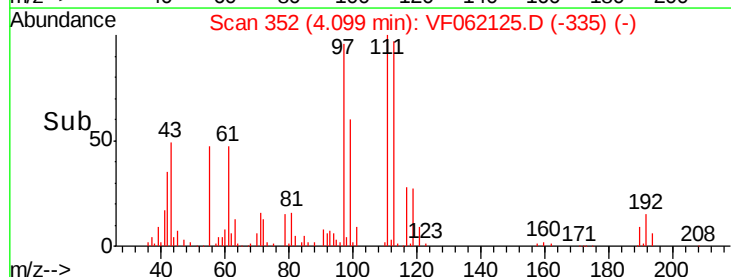
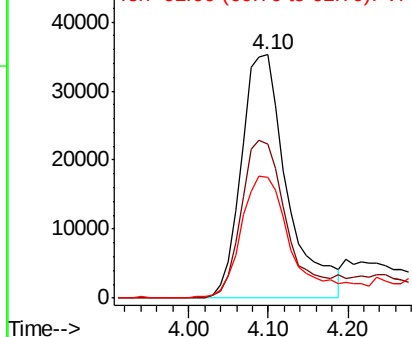


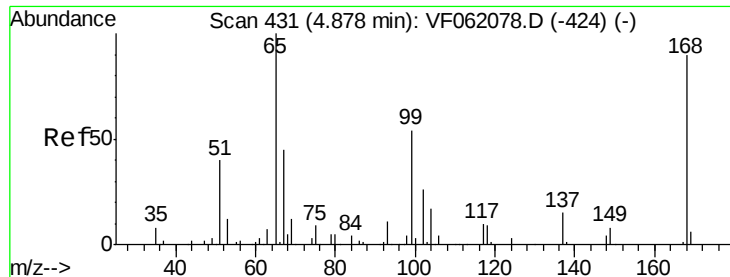
#32
1,1,1-Trichloroethane
Concen: 53.522 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 97 Resp: 141156
Ion Ratio Lower Upper
97 100
99 63.1 51.3 76.9
61 49.7 39.0 58.6



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

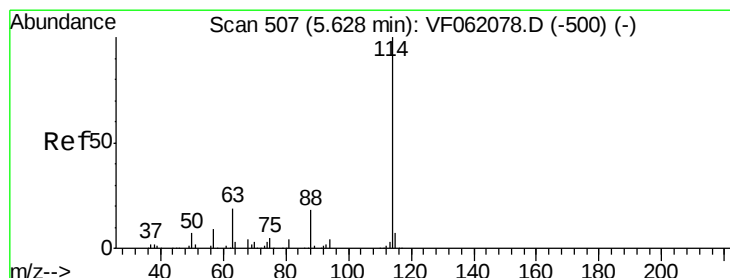
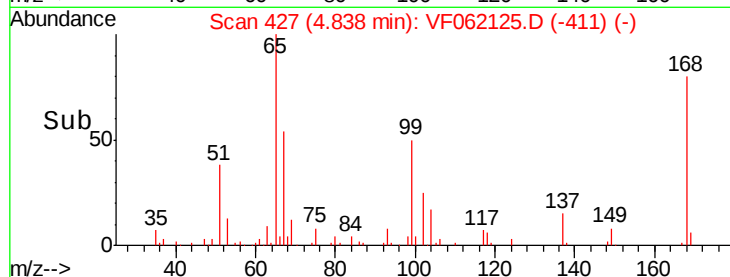
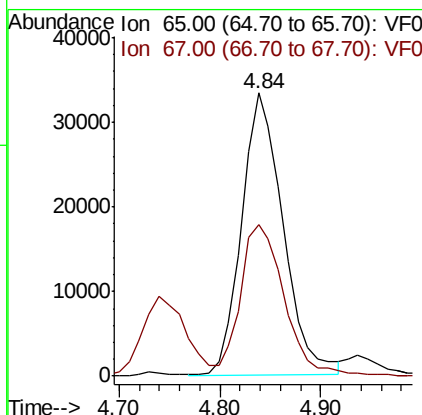
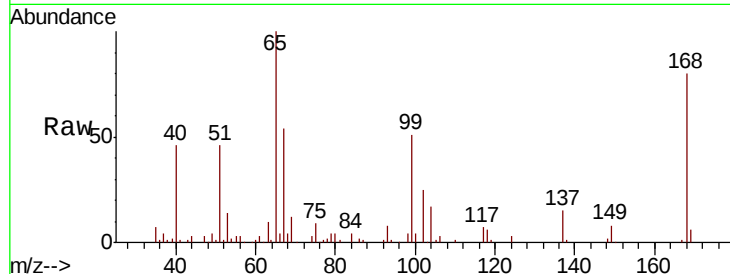




#33
 1,2-Dichloroethane-d4
 Concen: 50.854 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

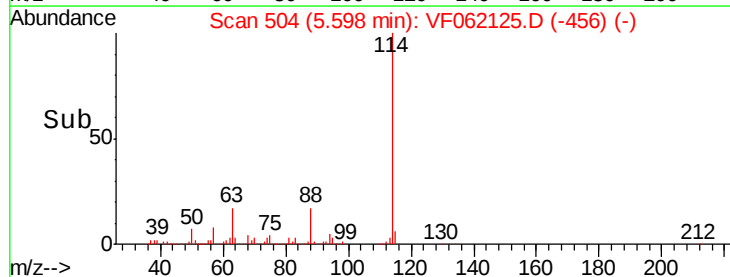
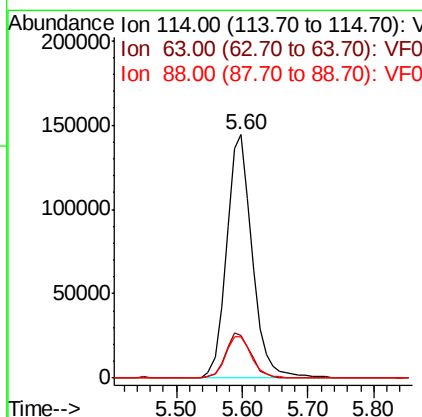
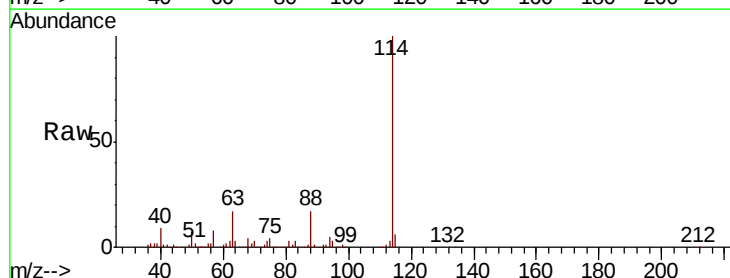
Instrument :
 MSVOA_F
 ClientSampleId :

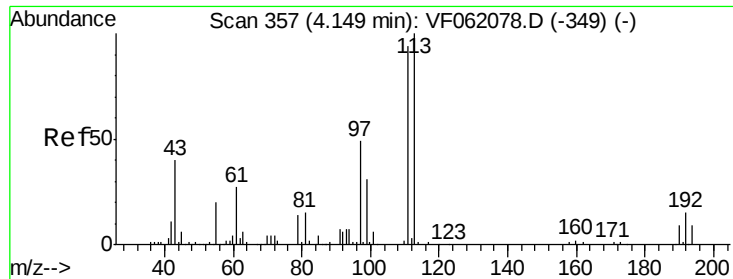
Tot Ion: 65 Resp: 95904
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion: 114 Resp: 393597
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 37.8
 88 17.1 0.0 36.4

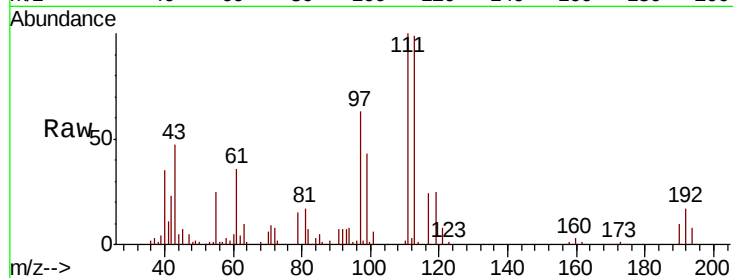




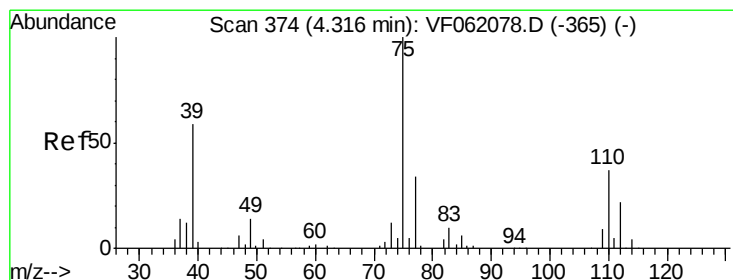
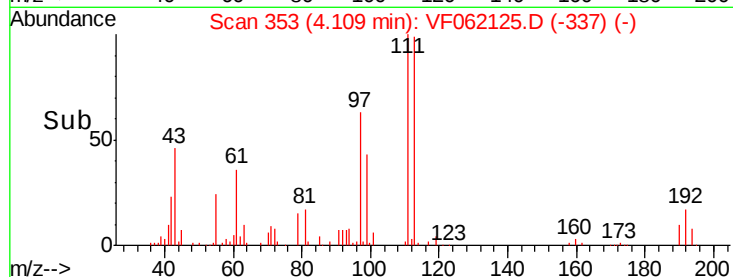
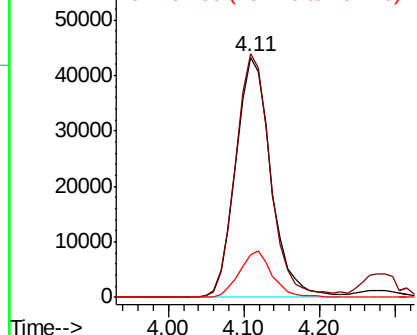
#35
 Dibromofluoromethane
 Concen: 52.369 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:113 Resp: 139434
 Ion Ratio Lower Upper
 113 100
 111 101.4 75.4 113.0
 192 17.7 12.3 18.5

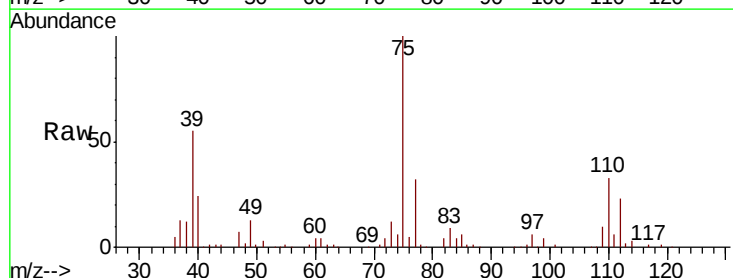


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

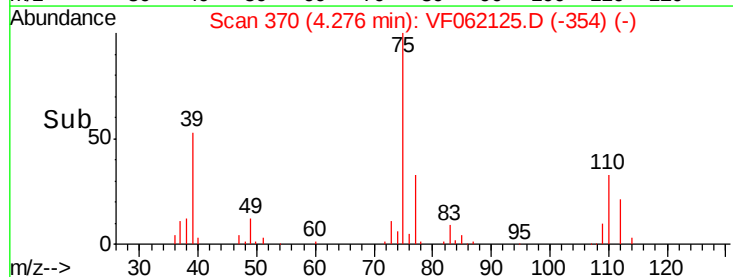
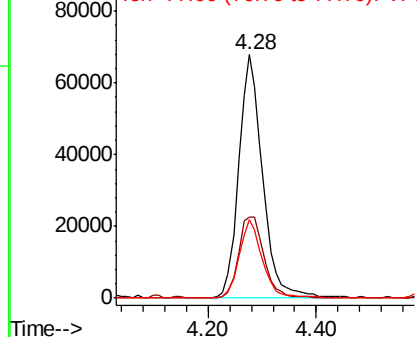


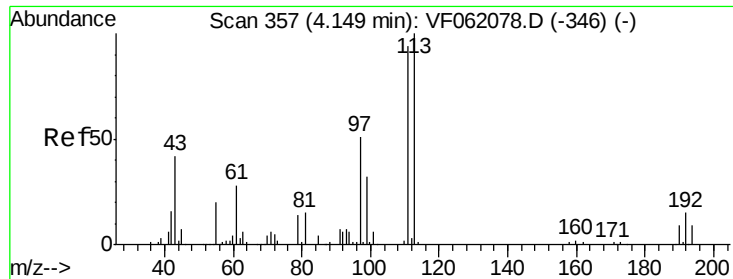
#36
 1,1-Dichloropropene
 Concen: 55.821 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion: 75 Resp: 209275
 Ion Ratio Lower Upper
 75 100
 110 33.2 18.5 55.5
 77 32.4 27.4 41.0



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: 51.545 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

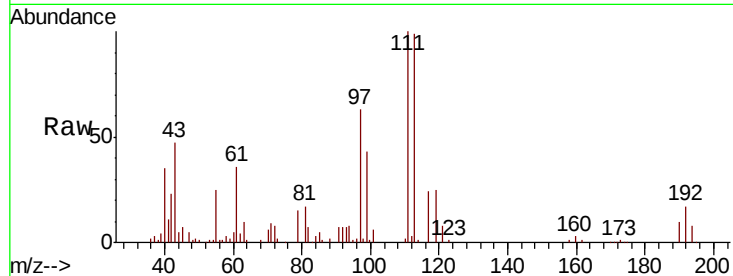
Tot Ion: 43 Resp: 84452

Ion Ratio Lower Upper

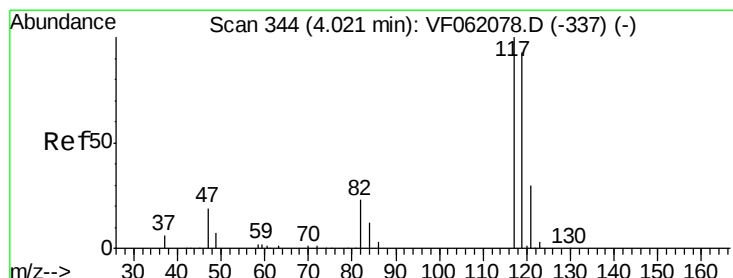
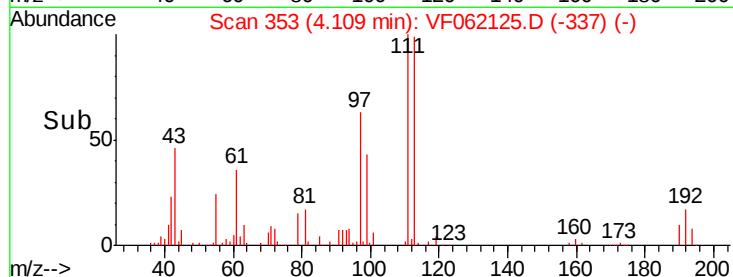
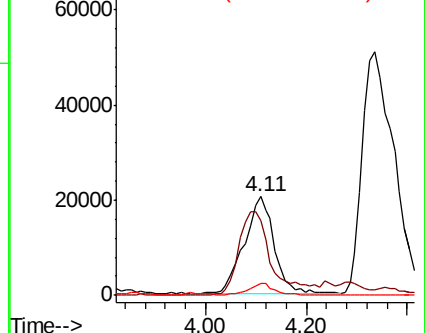
43 100

61 75.1 53.6 80.4

70 12.3 9.0 13.6



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: 52.954 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

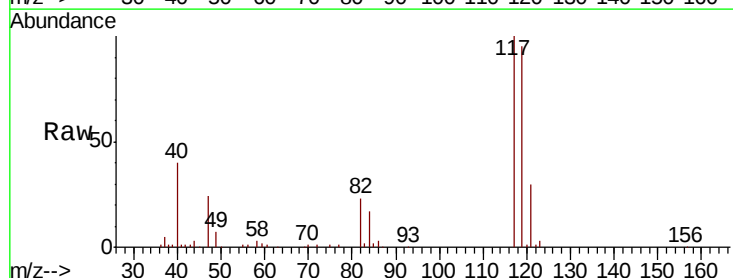
Tgt Ion:117 Resp: 135308

Ion Ratio Lower Upper

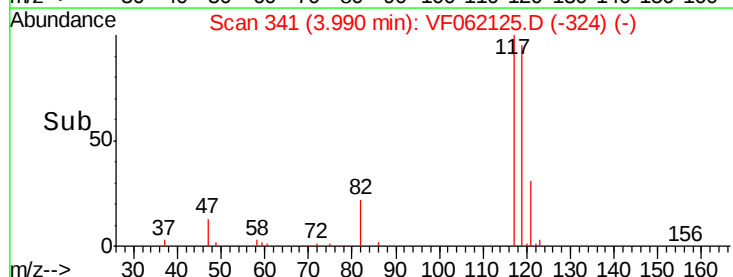
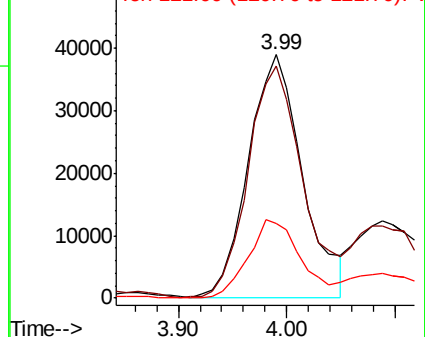
117 100

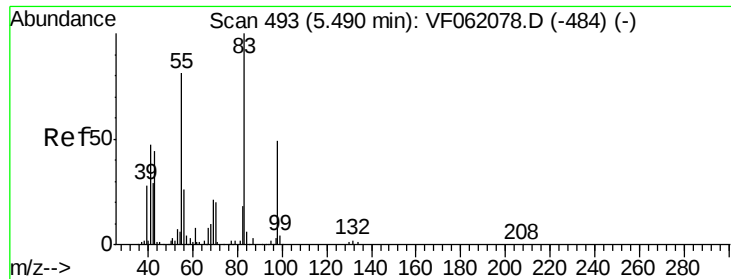
119 95.5 74.7 112.1

121 30.4 23.6 35.4



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

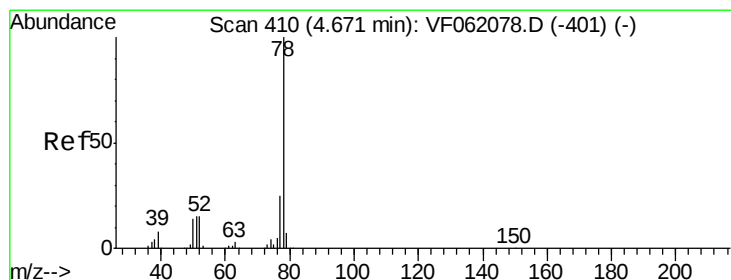
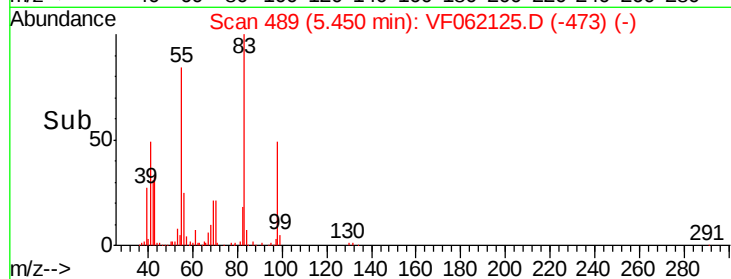
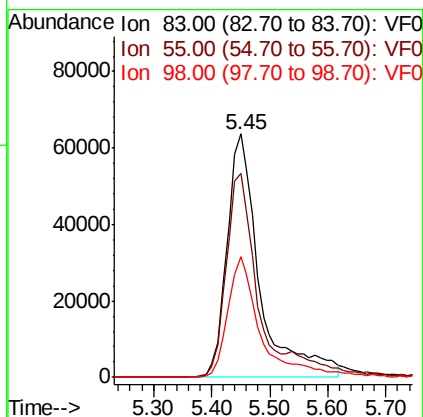
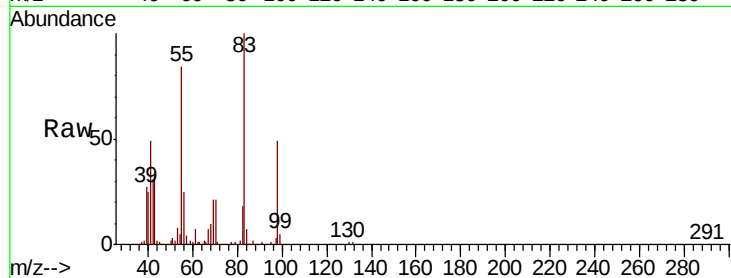




#39
Methvlcvclohexane
Concen: 57.502 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

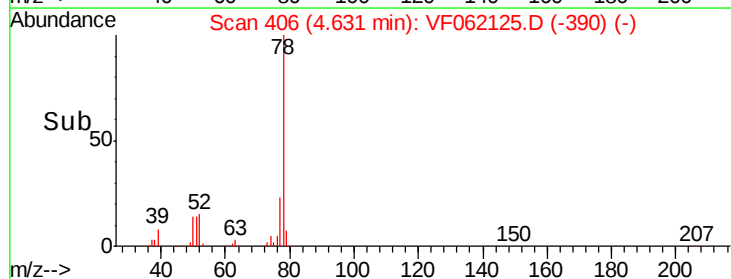
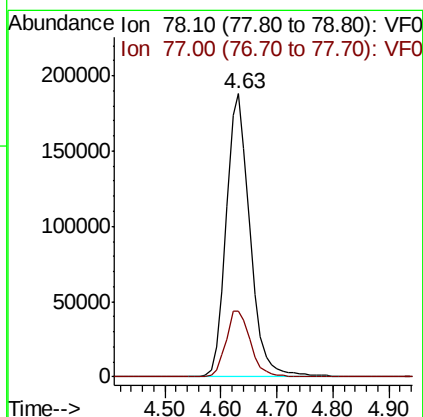
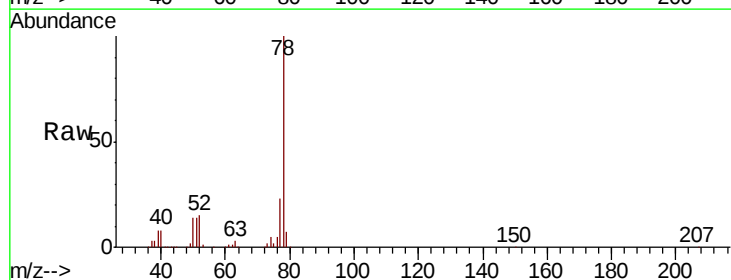
Instrument :
MSVOA_F
ClientSampleId :

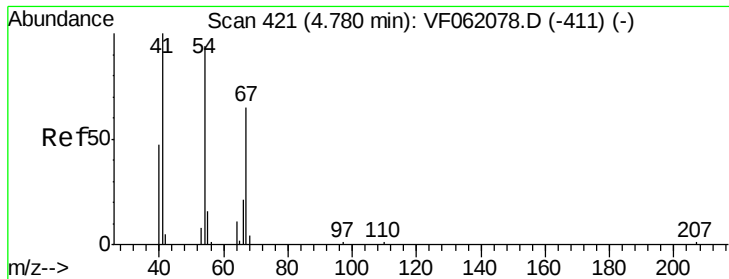
Tot Ion: 83 Resp: 250197
Ion Ratio Lower Upper
83 100
55 83.8 64.5 96.7
98 49.4 39.1 58.7



#40
Benzene
Concen: 55.002 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 78 Resp: 552785
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6

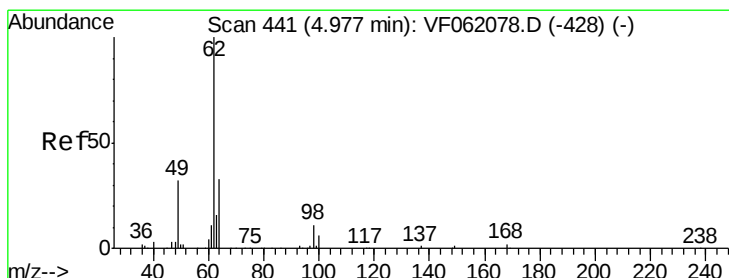
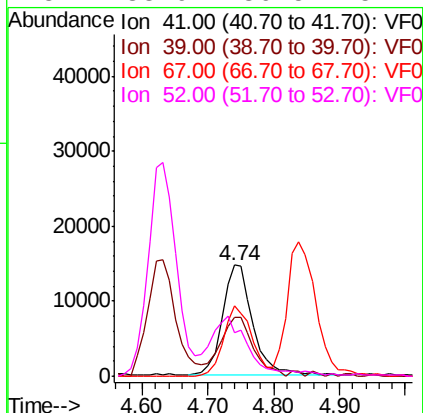
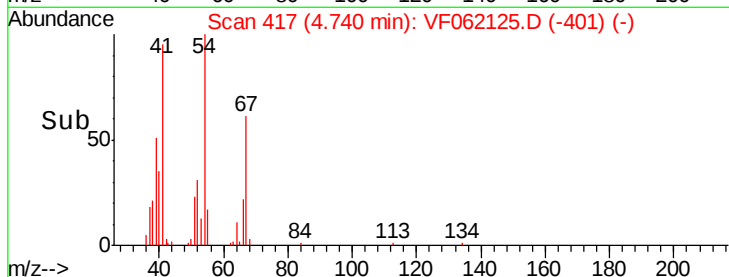
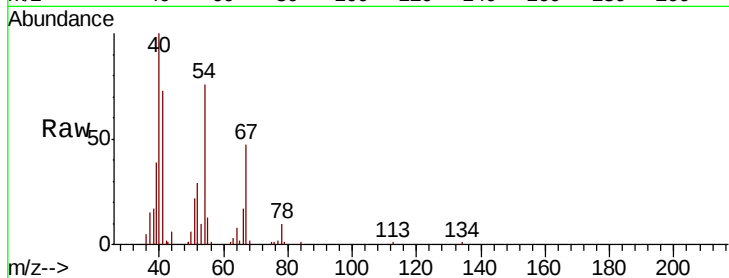




#41
Methacrylonitrile
Concen: 54.211 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

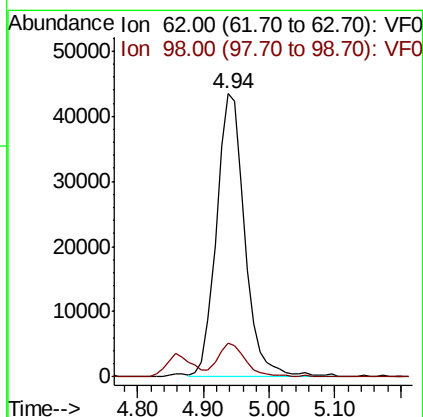
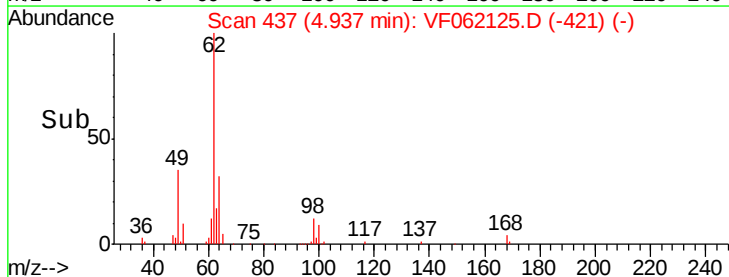
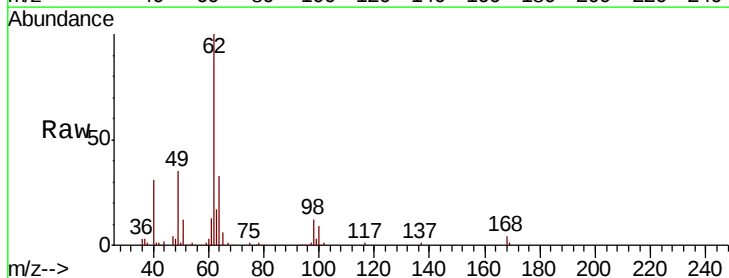
Instrument :
MSVOA_F
ClientSampled :

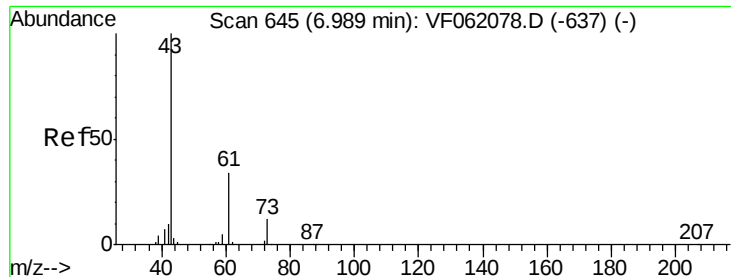
Tot Ion:	41	Resp:	46996
Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.5	65.3
67	63.4	51.6	77.4
52	38.9	36.5	54.7



#42
1,2-Dichloroethane
Concen: 54.140 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion:	62	Resp:	128673
Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	23.2





#43

Isopropyl Acetate

Concen: 51.822 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

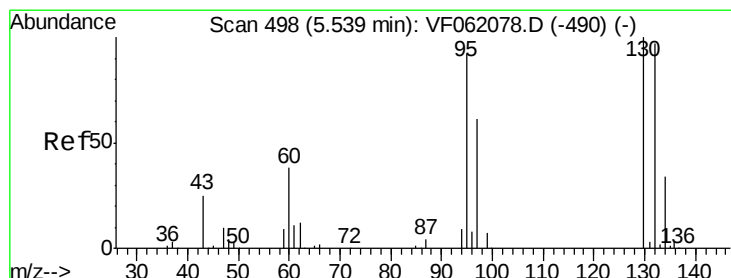
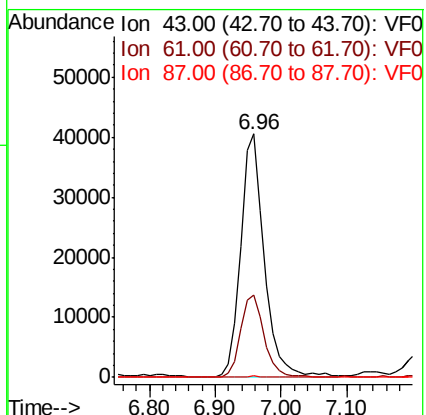
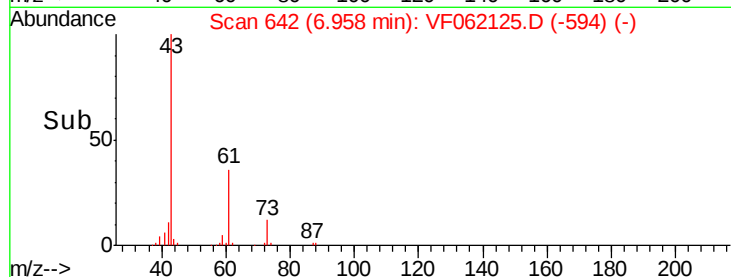
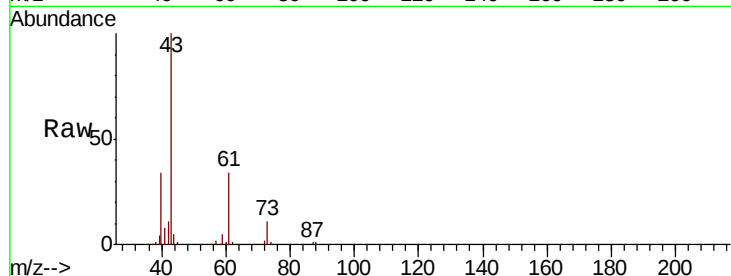
Tot Ion: 43 Resp: 102826

Ion Ratio Lower Upper

43 100

61 34.0 27.0 40.4

87 0.5 0.4 0.6



#44

Trichloroethene

Concen: 53.805 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.04 min

Lab File: VF062125.D

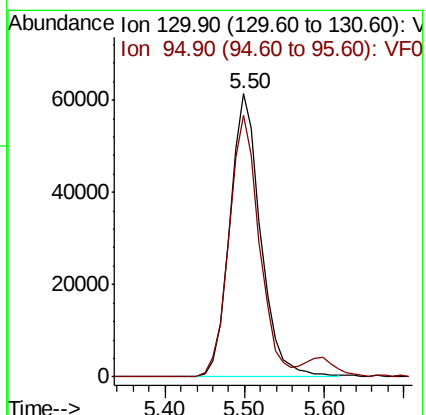
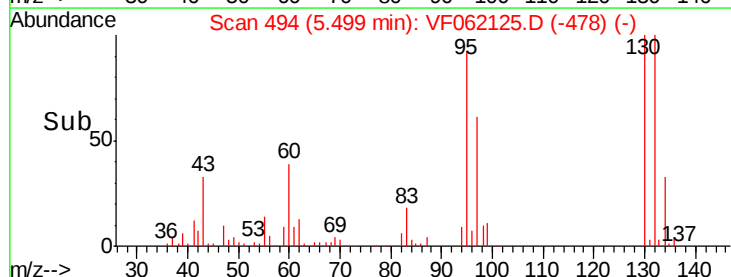
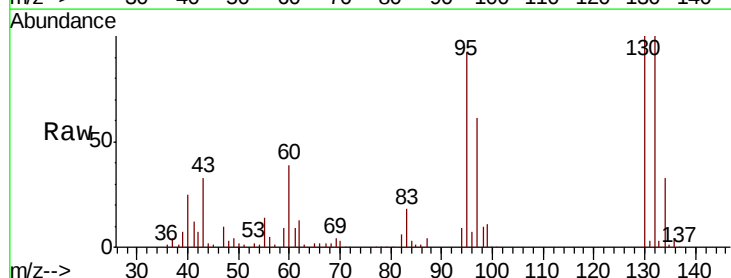
Acq: 23 Mar 2019 19:28

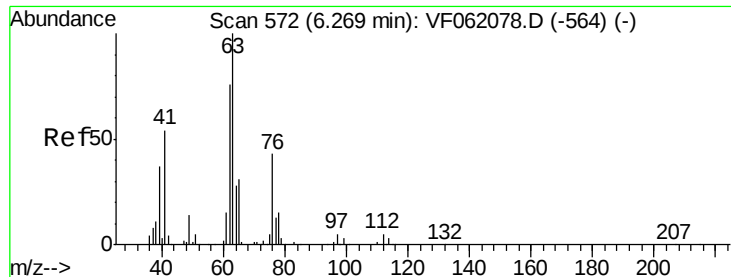
Tgt Ion: 130 Resp: 165327

Ion Ratio Lower Upper

130 100

95 92.3 0.0 183.4





#45

1,2-Dichloropropane

Concen: 54.962 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

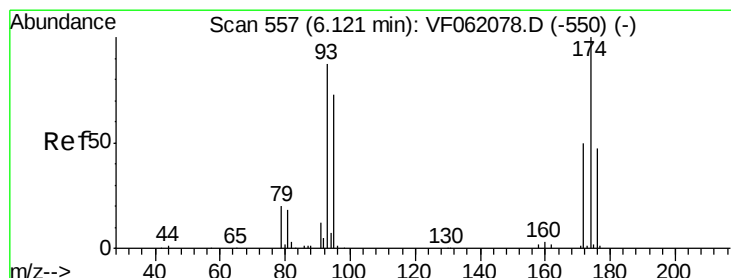
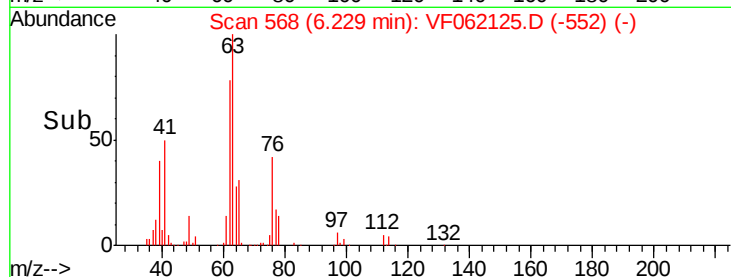
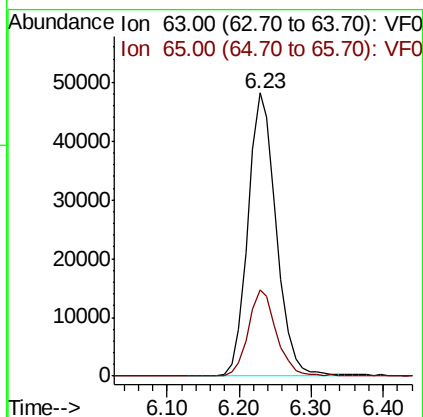
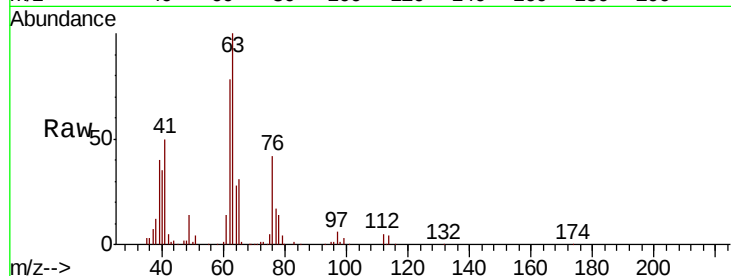
ClientSampleId :

Tot Ion: 63 Resp: 131749

Ion Ratio Lower Upper

63 100

65 30.7 24.9 37.3



#46

Dibromomethane

Concen: 55.503 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

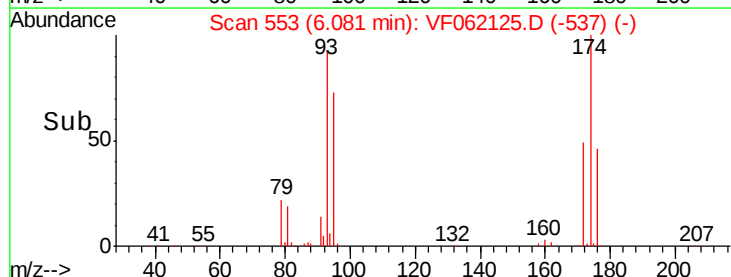
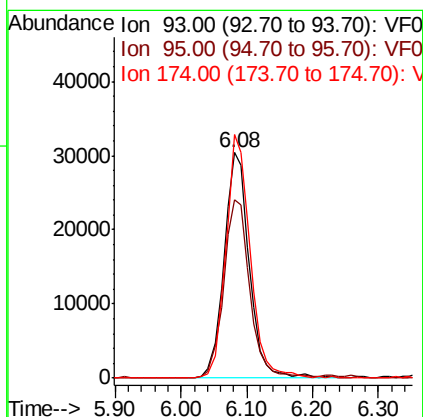
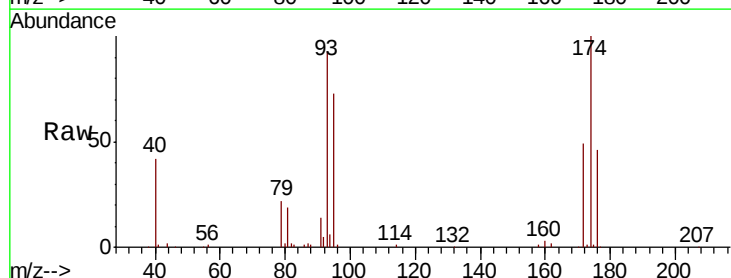
Tgt Ion: 93 Resp: 81349

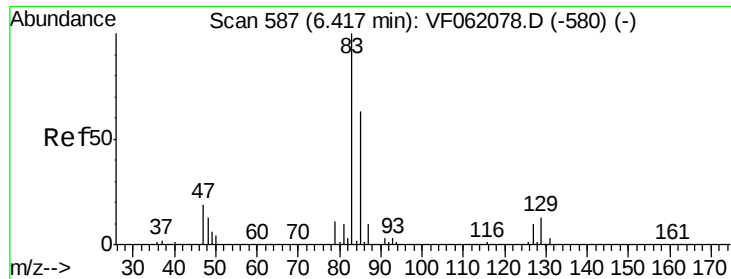
Ion Ratio Lower Upper

93 100

95 79.2 67.4 101.2

174 107.9 92.0 138.0





#47

Bromodichloromethane

Concen: 56.180 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

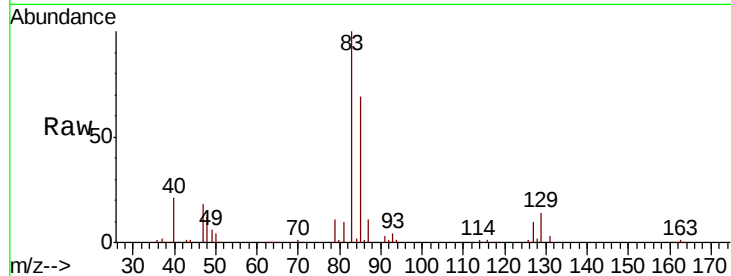
Tot Ion: 83 Resp: 182386

Ion Ratio Lower Upper

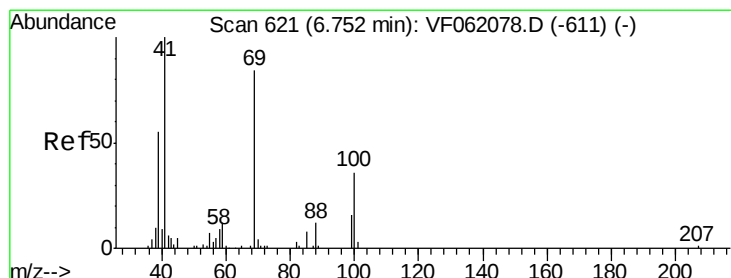
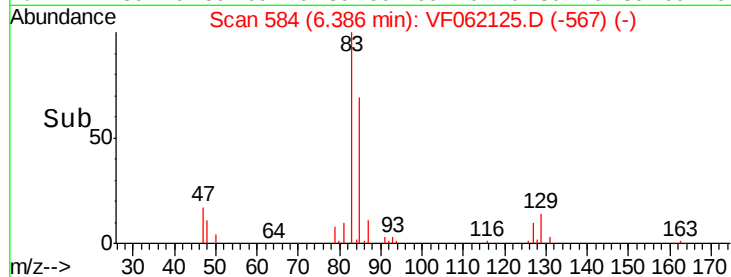
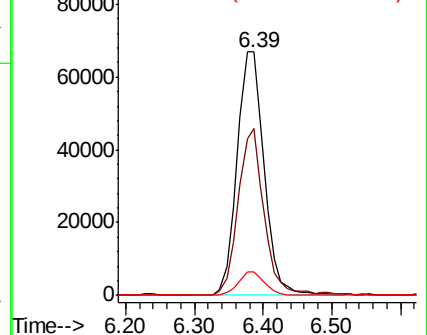
83 100

85 68.5 50.7 76.1

127 9.5 7.8 11.6



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: 55.176 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

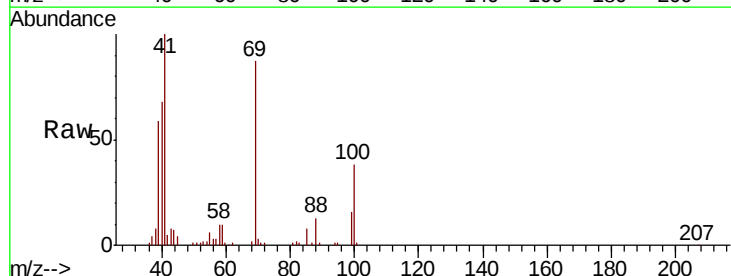
Tgt Ion: 41 Resp: 62336

Ion Ratio Lower Upper

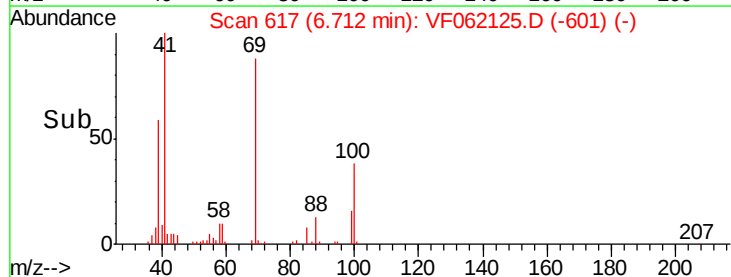
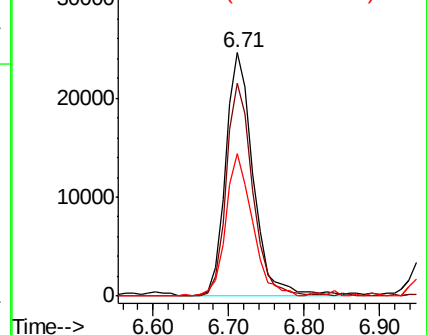
41 100

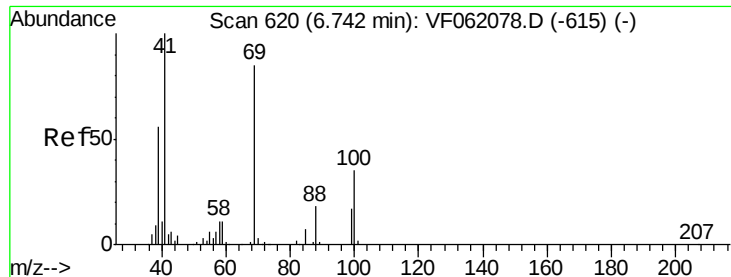
69 87.2 66.6 100.0

39 58.7 43.6 65.4



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: 1159.963 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

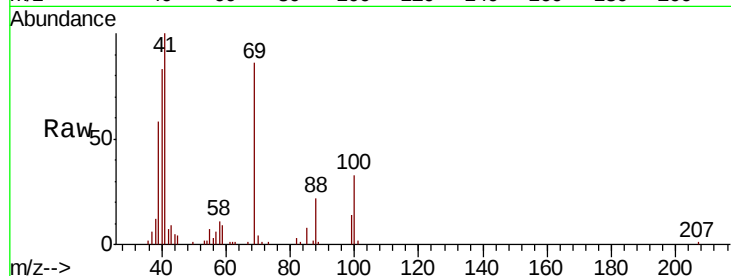
Tot Ion: 88 Resp: 11499

Ion Ratio Lower Upper

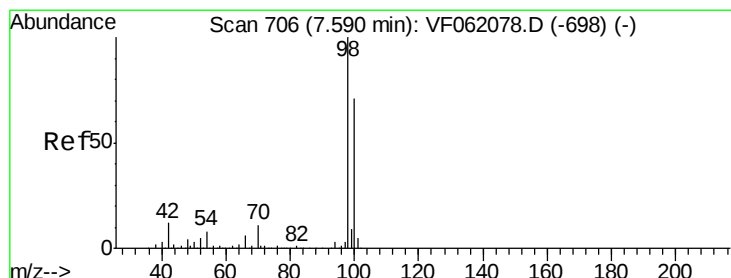
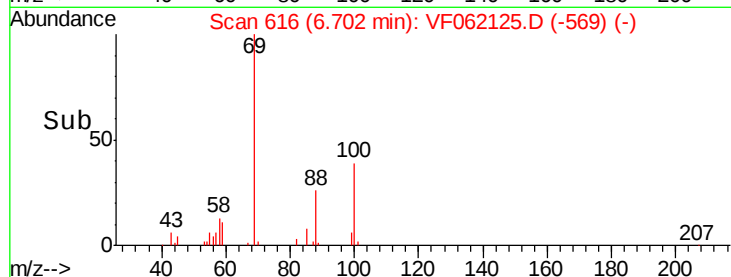
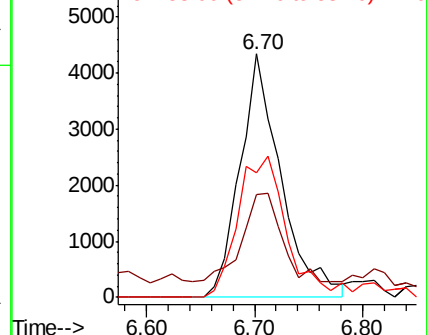
88 100

43 42.3 35.0 52.4

58 51.4 49.9 74.9



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.512 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF062125.D

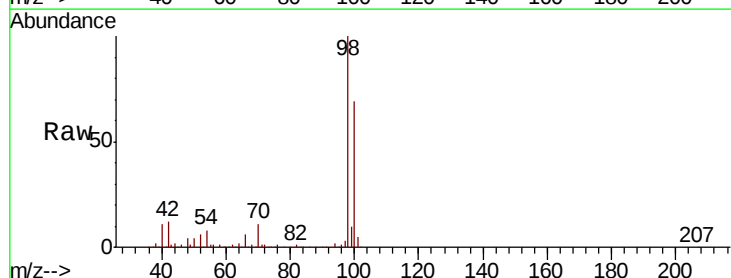
Acq: 23 Mar 2019 19:28

Tgt Ion: 98 Resp: 401457

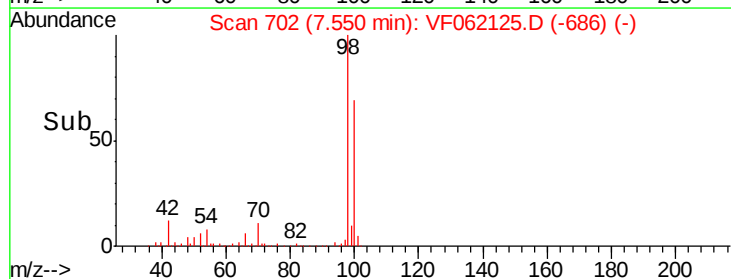
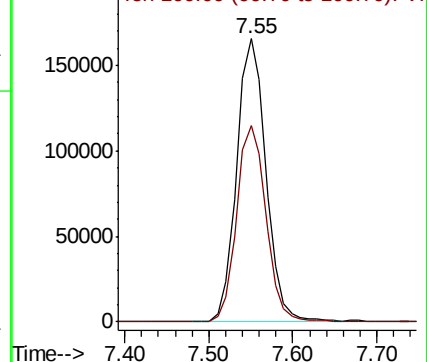
Ion Ratio Lower Upper

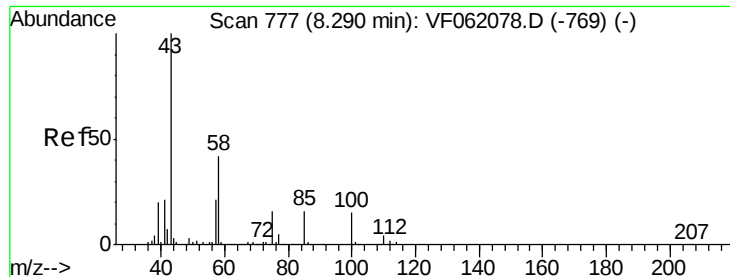
98 100

100 69.4 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 267.675 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

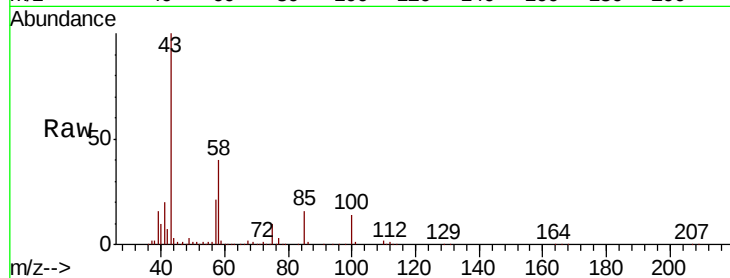
ClientSampleId :

Tot Ion: 43 Resp: 355488

Ion Ratio Lower Upper

43 100

58 40.0 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

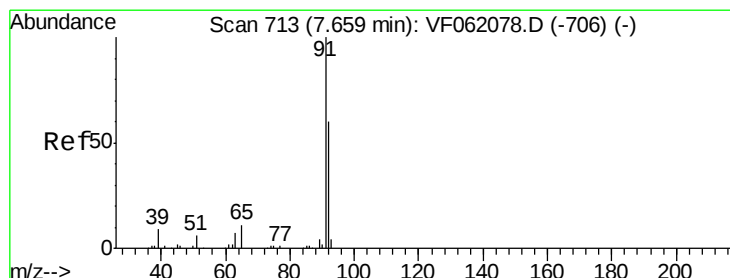
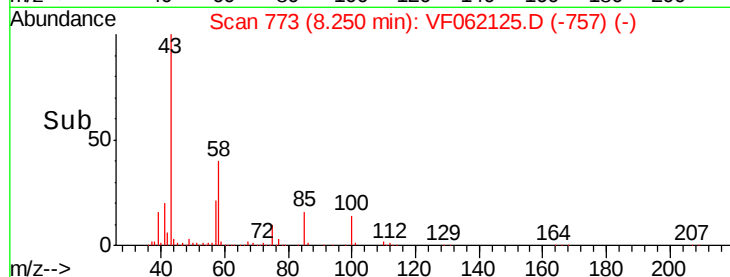
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 57.922 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062125.D

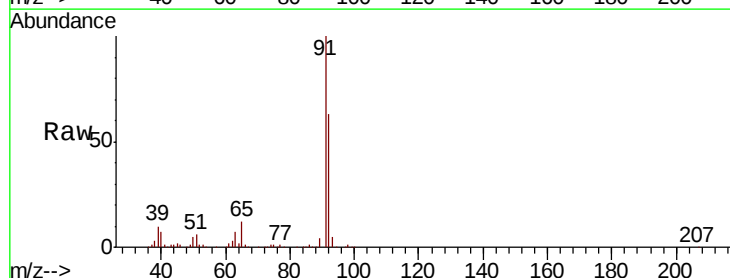
Acq: 23 Mar 2019 19:28

Tgt Ion: 92 Resp: 337178

Ion Ratio Lower Upper

92 100

91 159.9 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

250000

200000

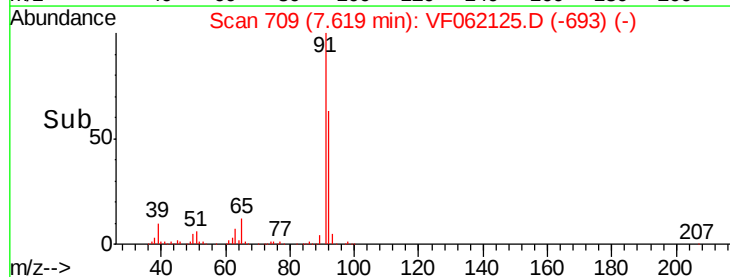
150000

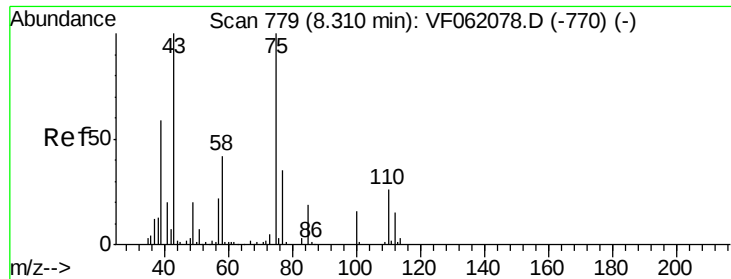
100000

50000

0

Time-->

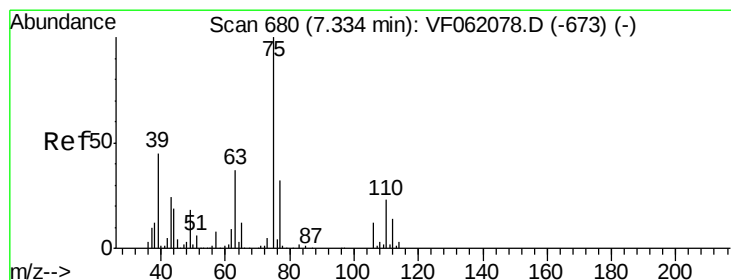
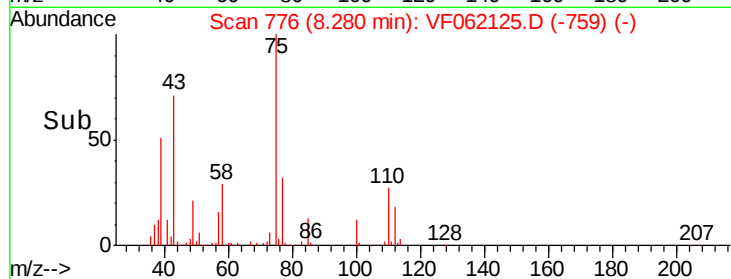
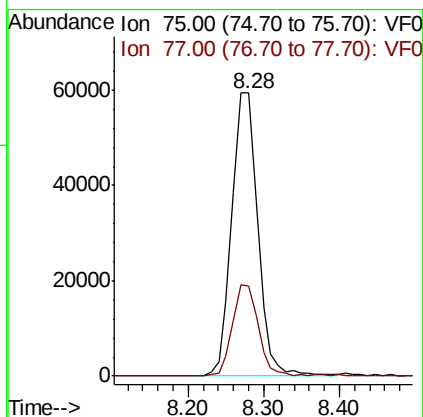
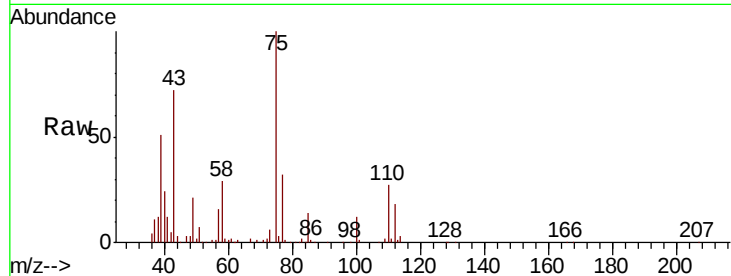




#53
 t-1,3-Dichloropropene
 Concen: 55.584 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

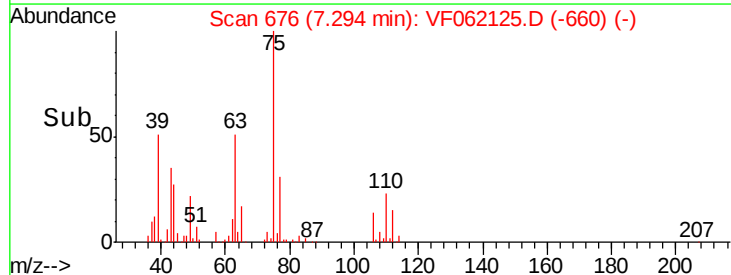
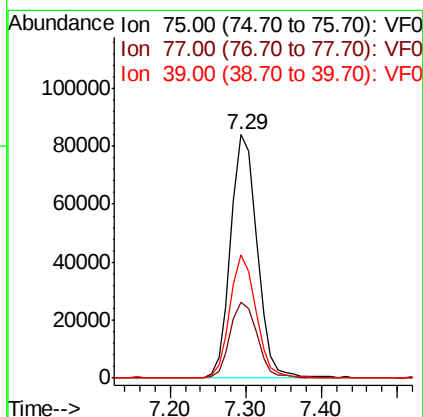
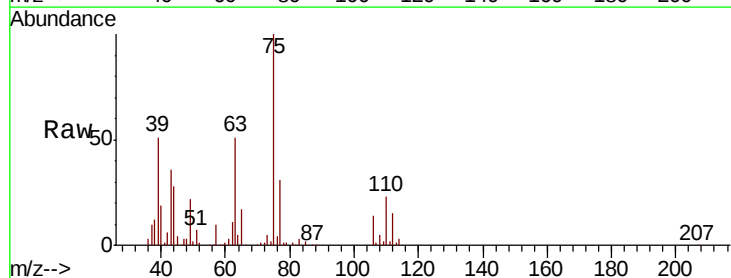
Instrument :
 MSVOA_F
 ClientSampleId :

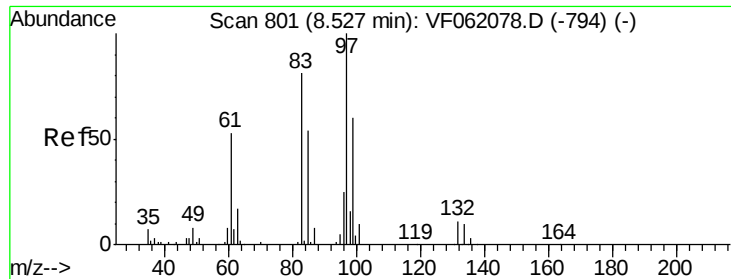
Tot Ion: 75 Resp: 141658
 Ion Ratio Lower Upper
 75 100
 77 31.7 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.888 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion: 75 Resp: 203798
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.6
 39 50.7 35.9 53.9

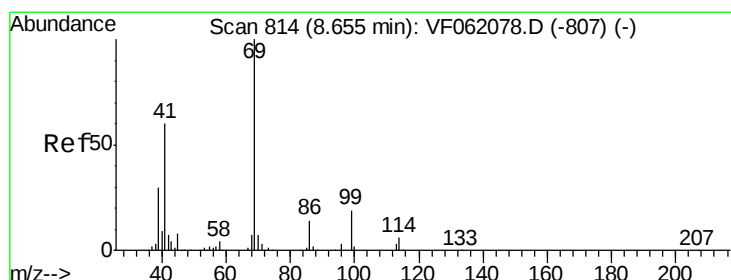
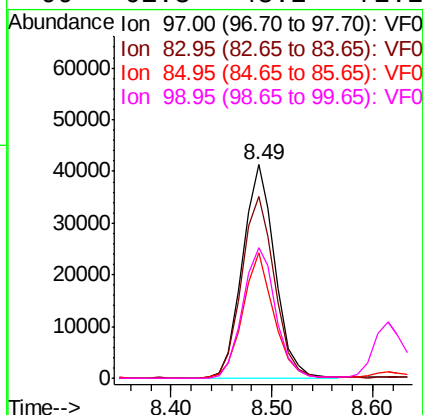
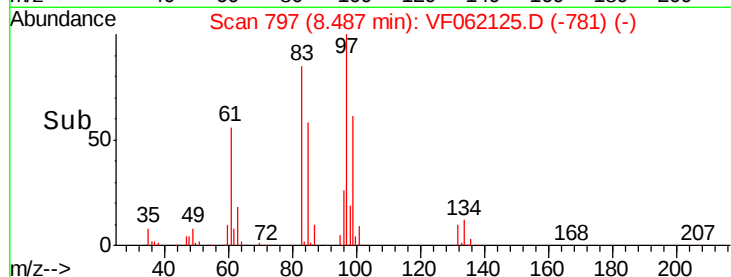
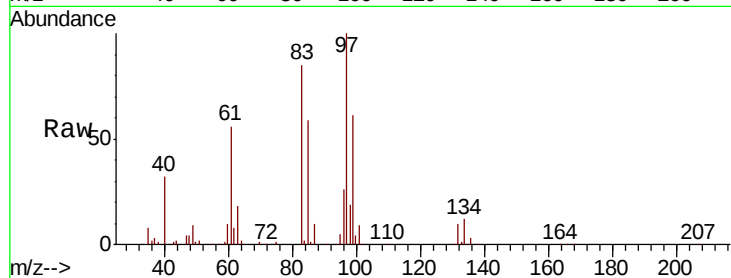




#55
 1,1,2-Trichloroethane
 Concen: 55.908 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

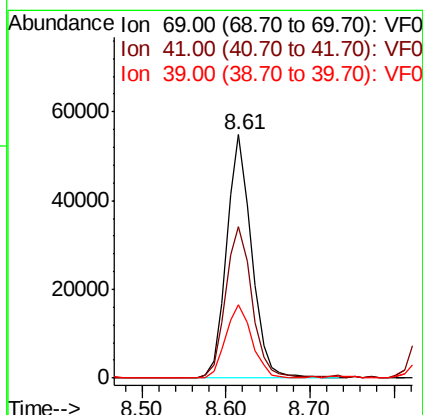
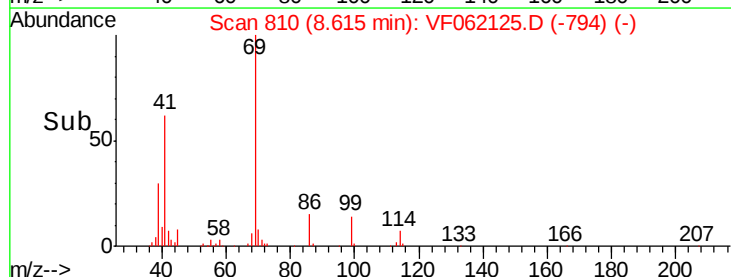
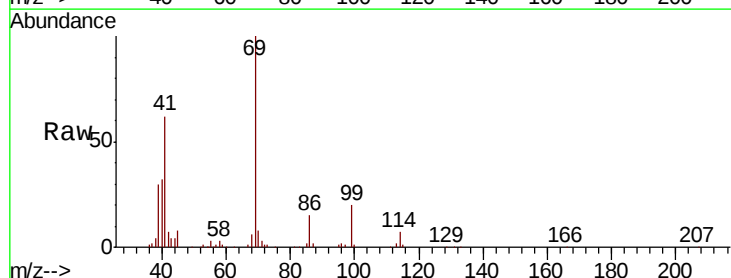
Instrument :
 MSVOA_F
 ClientSampleId :

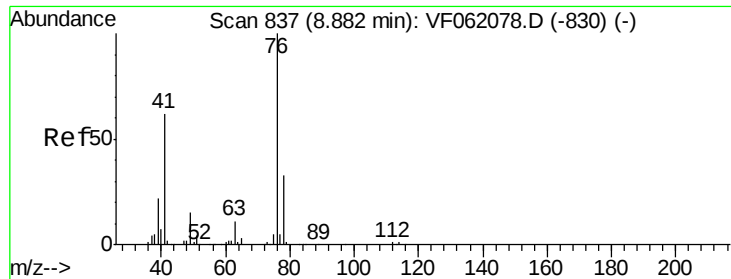
Tot Ion:	97	Resp:	92444
Ion	Ratio	Lower	Upper
97	100		
83	85.2	64.6	97.0
85	58.6	43.6	65.4
99	61.3	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 57.090 ug/l
 RT: 8.61 min Scan# 810
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion:	69	Resp:	112581
Ion	Ratio	Lower	Upper
69	100		
41	62.3	48.2	72.2
39	30.4	24.0	36.0





#57

1,3-Dichloropropane

Concen: 54.995 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

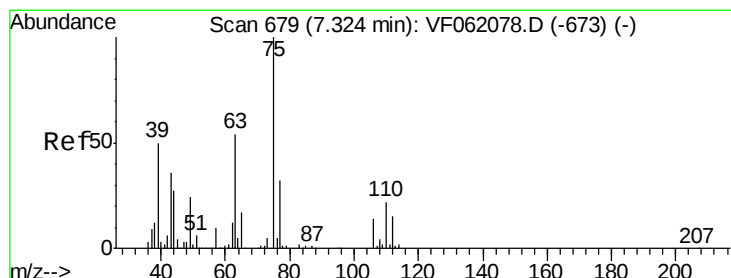
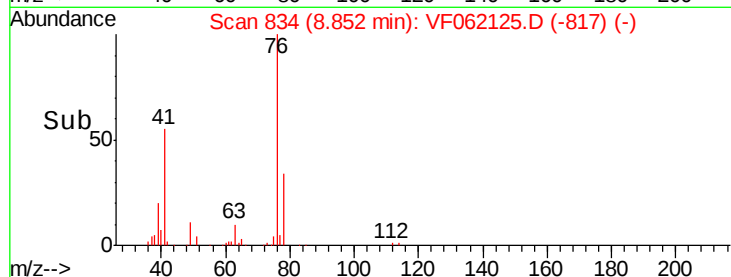
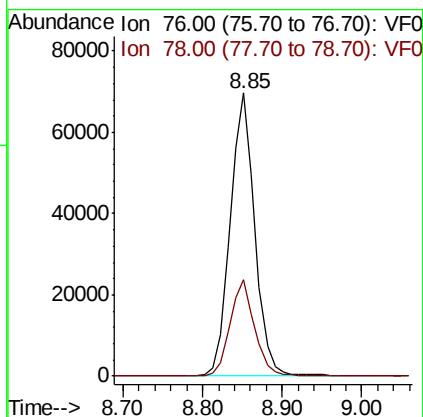
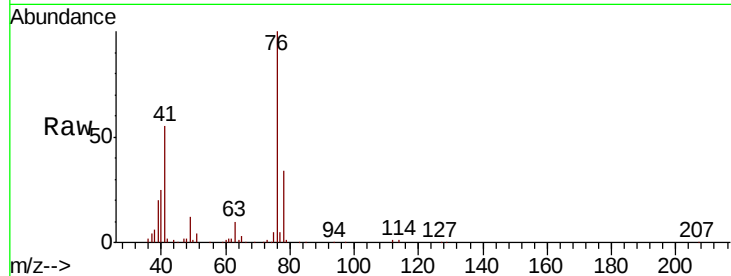
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 150924

Ion Ratio Lower Upper

76 100

78 34.1 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 333.011 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.03 min

Lab File: VF062125.D

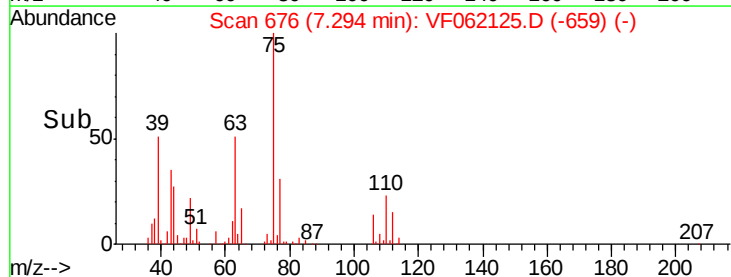
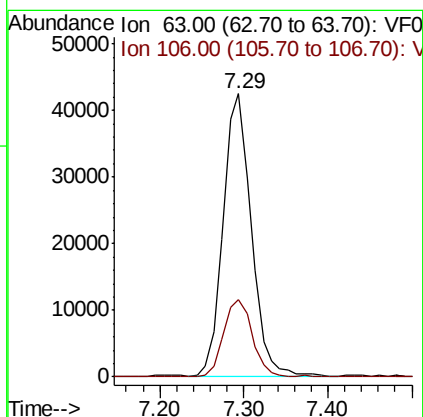
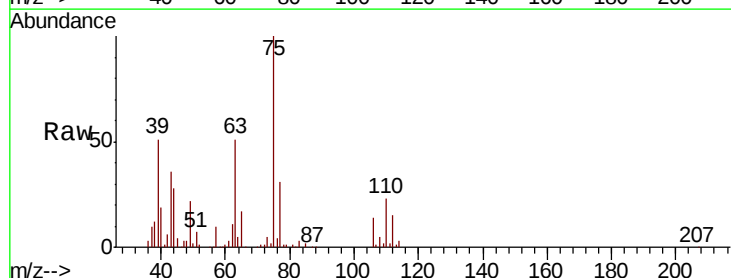
Acq: 23 Mar 2019 19:28

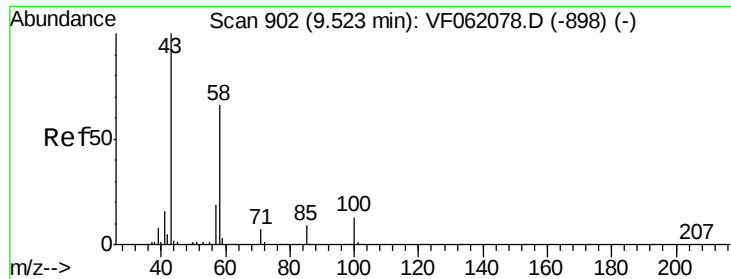
Tgt Ion: 63 Resp: 99648

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3

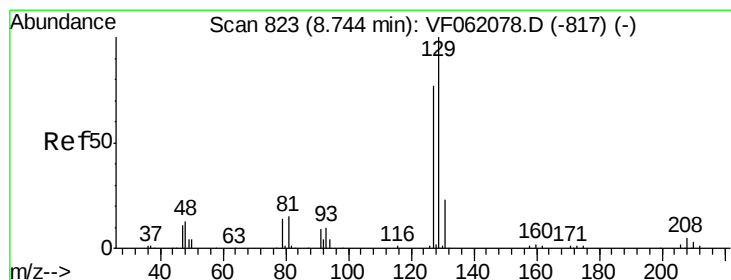
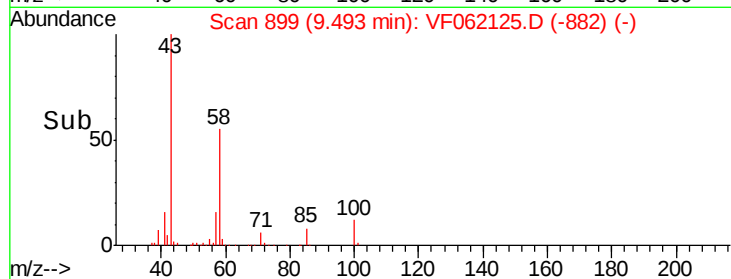
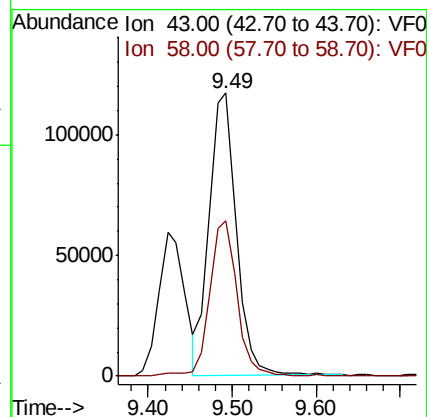
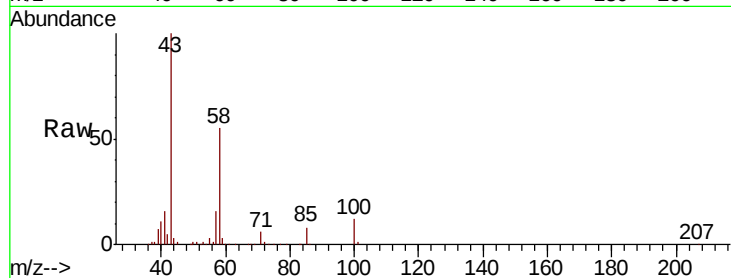




#59
2-Hexanone
Concen: 269.283 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

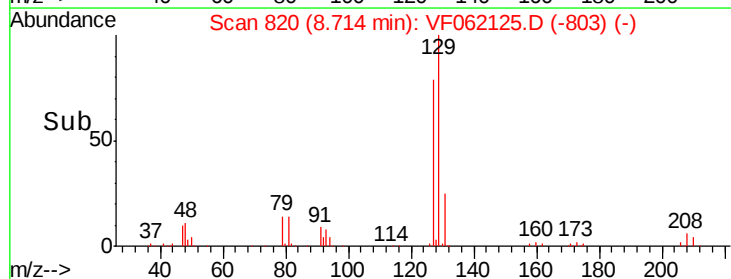
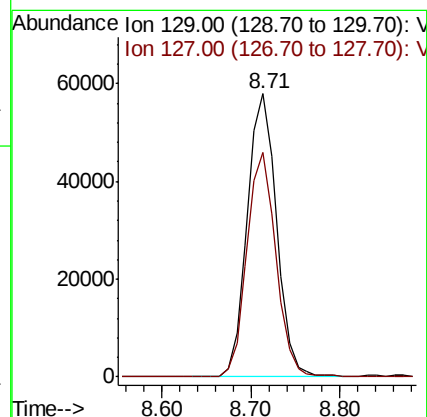
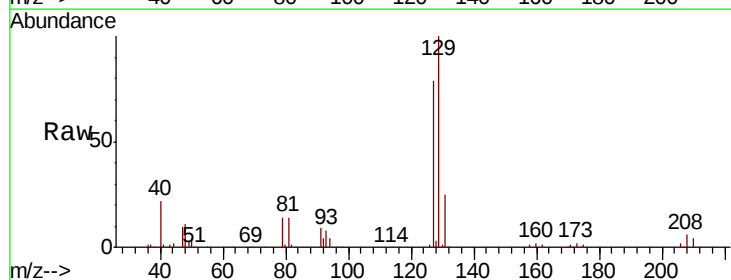
Instrument :
MSVOA_F
ClientSampleId :

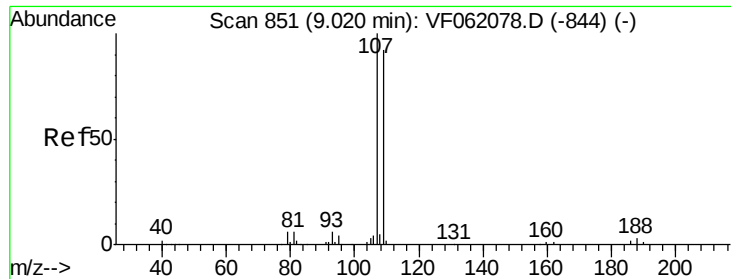
Tot Ion: 43 Resp: 262105
Ion Ratio Lower Upper
43 100
58 54.8 28.8 86.4



#60
Dibromochloromethane
Concen: 57.320 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 129 Resp: 131758
Ion Ratio Lower Upper
129 100
127 79.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 55.978 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

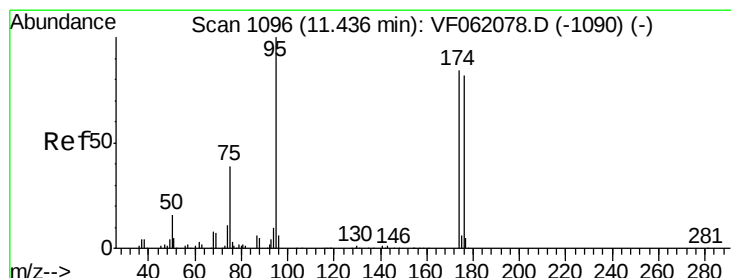
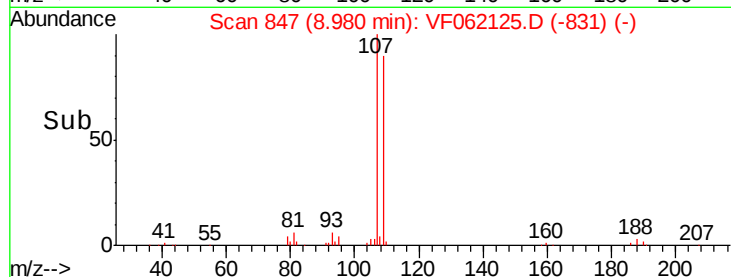
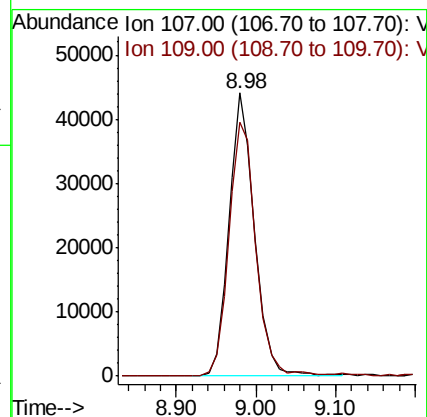
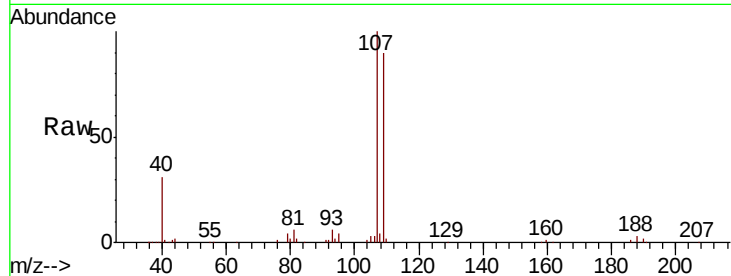
ClientSampleId :

Tot Ion:107 Resp: 98749

Ion Ratio Lower Upper

107 100

109 89.6 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 50.882 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

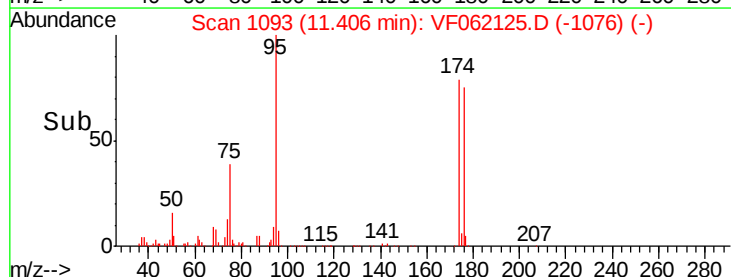
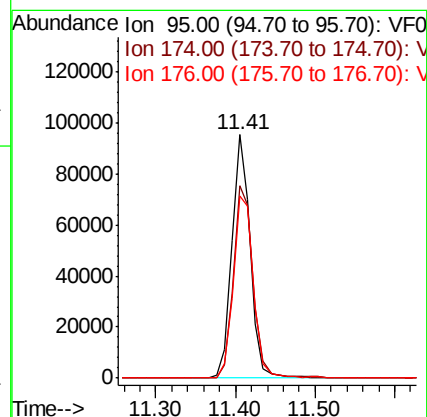
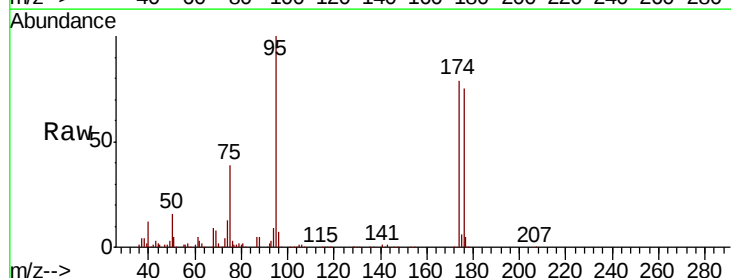
Tgt Ion: 95 Resp: 156119

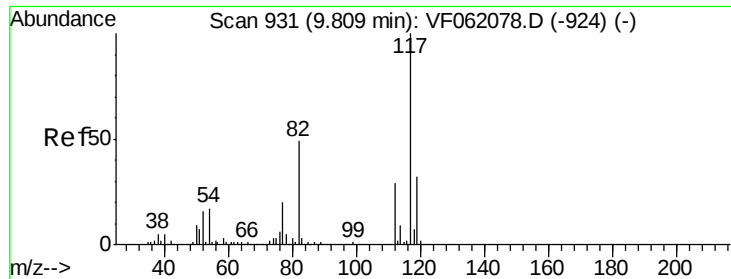
Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.2

176 75.0 0.0 164.2

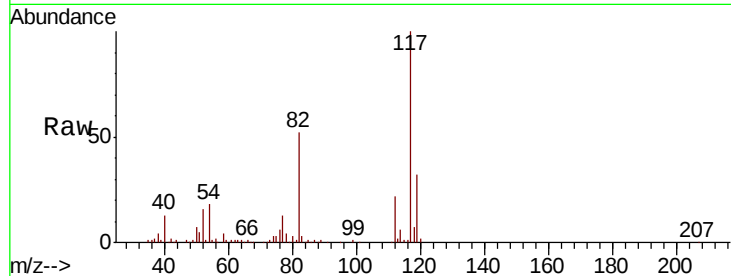




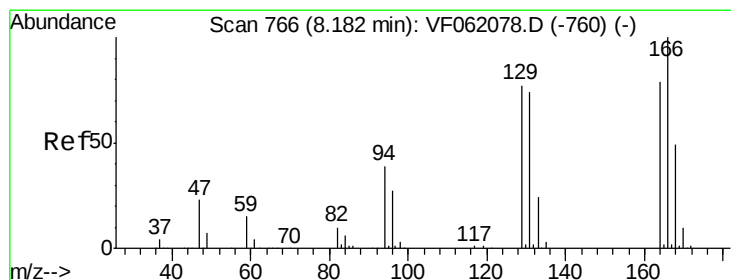
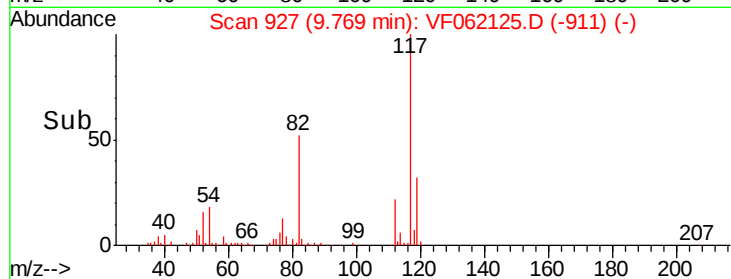
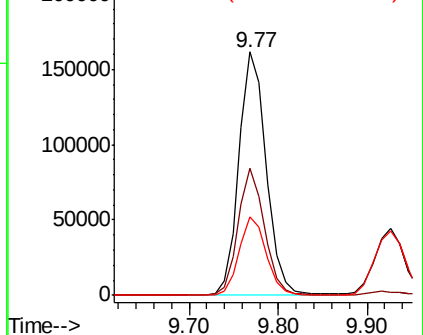
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 346196
Ion Ratio Lower Upper
117 100
82 52.1 39.2 58.8
119 32.4 25.4 38.2

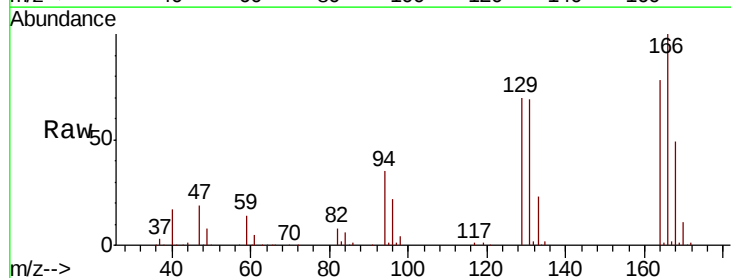


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

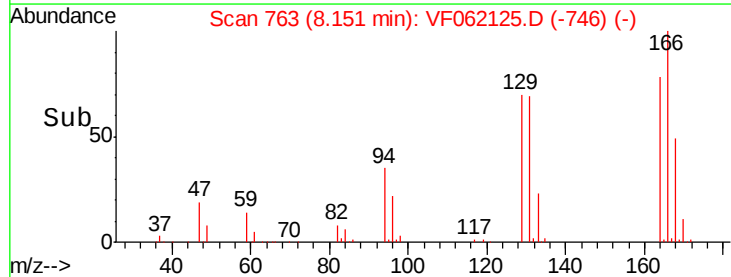
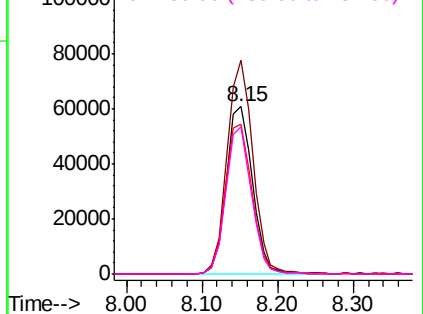


#64
Tetrachloroethene
Concen: 54.407 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion:164 Resp: 145520
Ion Ratio Lower Upper
164 100
166 127.4 100.9 151.3
129 89.0 77.9 116.9
131 88.1 74.6 112.0



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

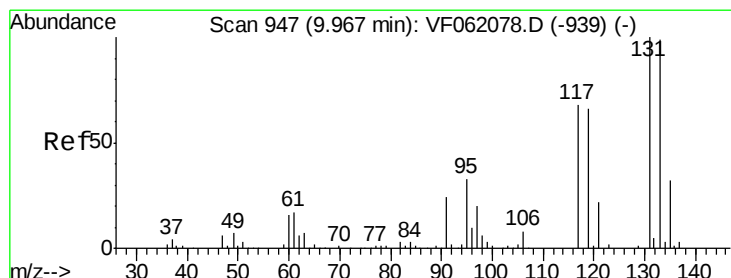
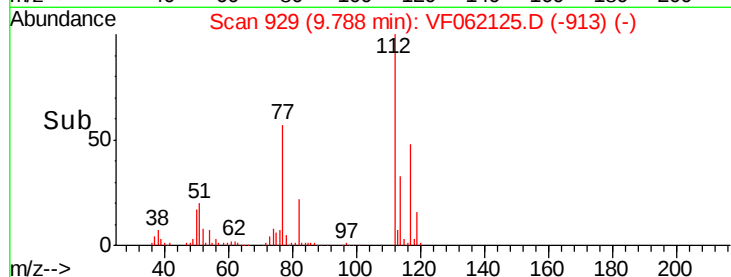
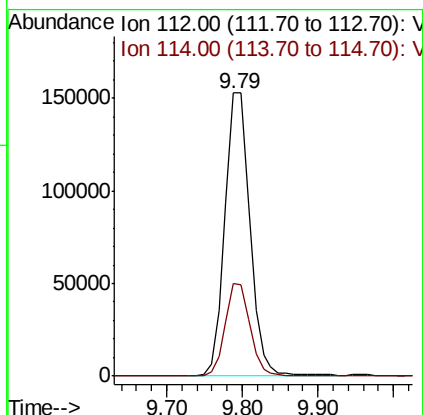
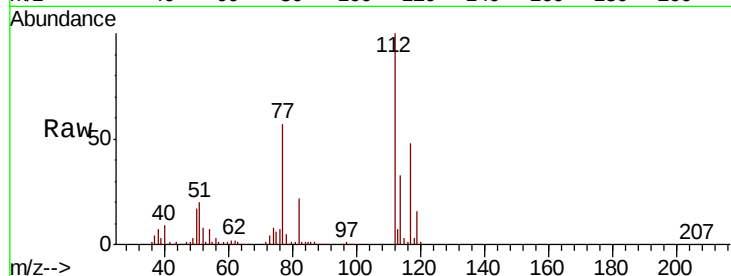




#65
Chlorobenzene
Concen: 54.484 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

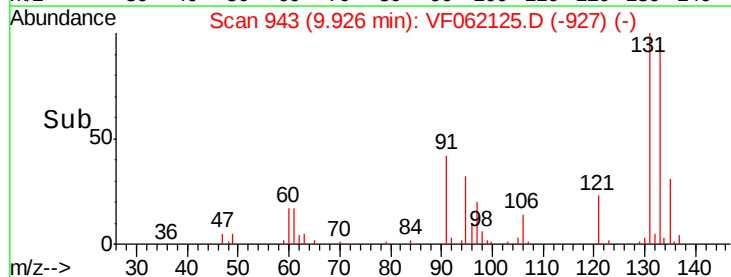
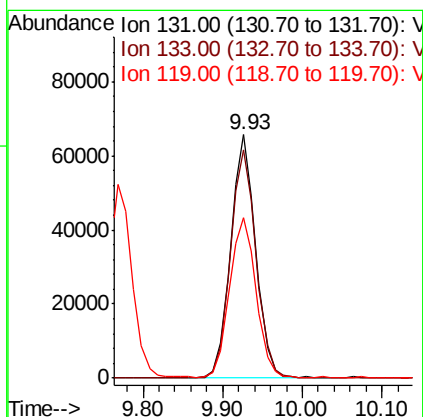
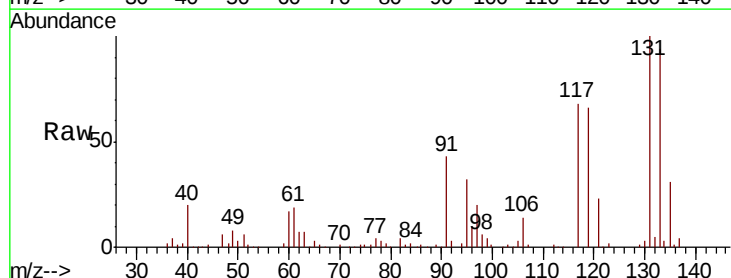
Instrument :
MSVOA_F
ClientSampled :

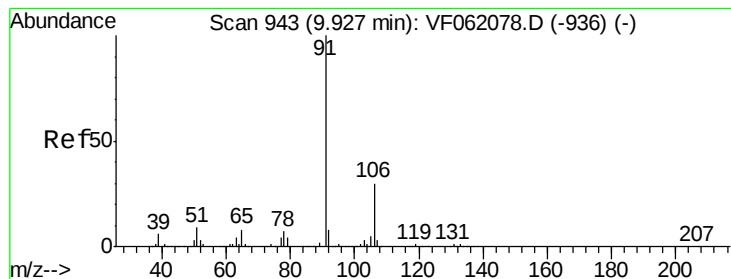
Tot Ion:112 Resp: 352924
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.163 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion:131 Resp: 143530
Ion Ratio Lower Upper
131 100
133 93.9 49.3 147.8
119 65.7 33.5 100.4





#67

Ethyl Benzene

Concen: 55.080 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

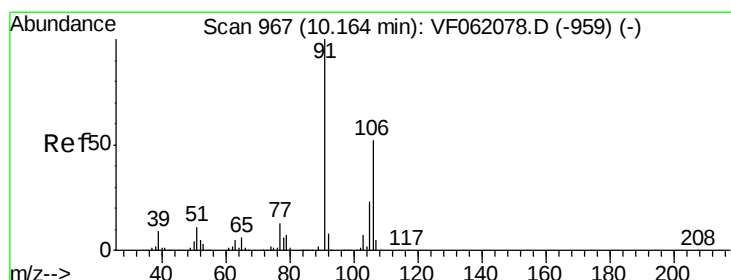
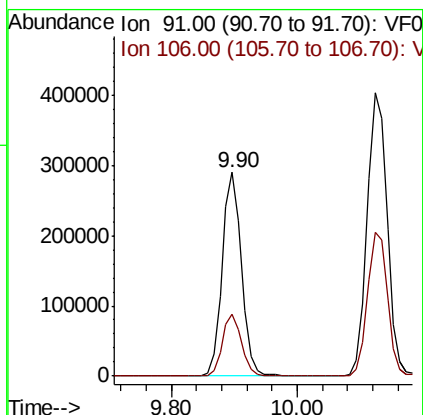
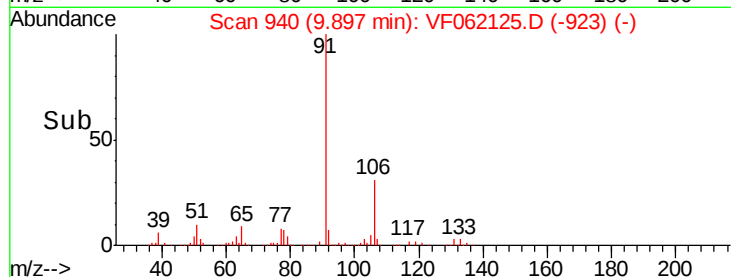
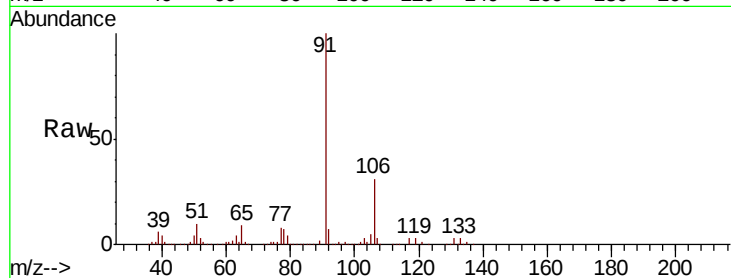
ClientSampleId :

Tot Ion: 91 Resp: 620478

Ion Ratio Lower Upper

91 100

106 30.7 24.0 36.0



#68

m/p-Xylenes

Concen: 106.987 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF062125.D

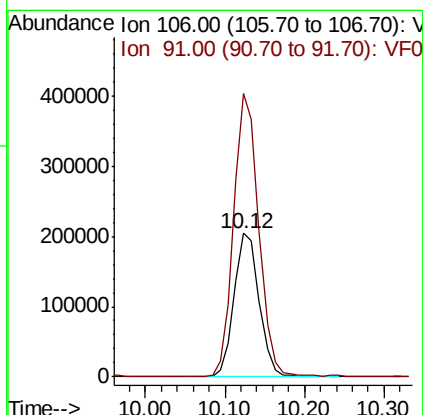
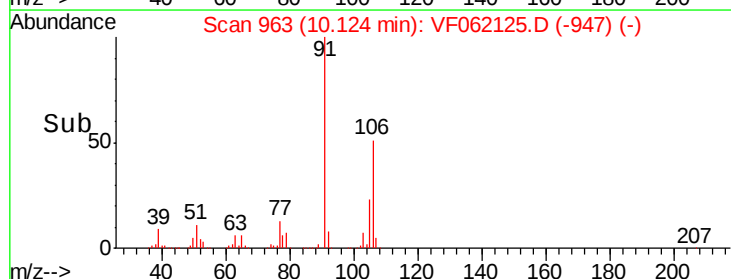
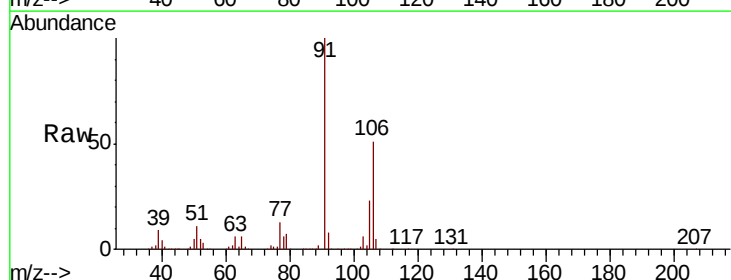
Acq: 23 Mar 2019 19:28

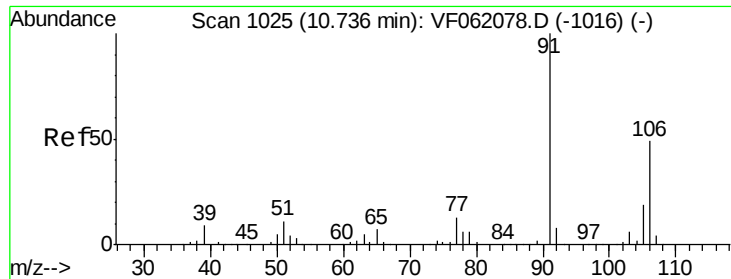
Tgt Ion: 106 Resp: 450461

Ion Ratio Lower Upper

106 100

91 197.2 154.4 231.6

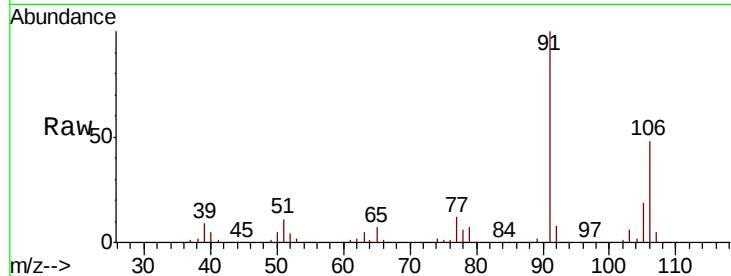




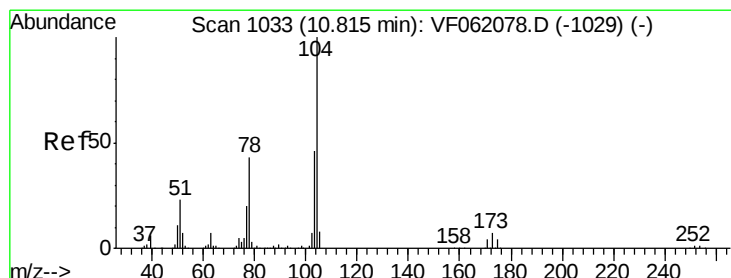
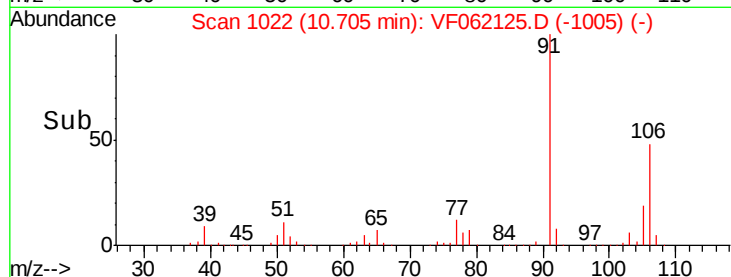
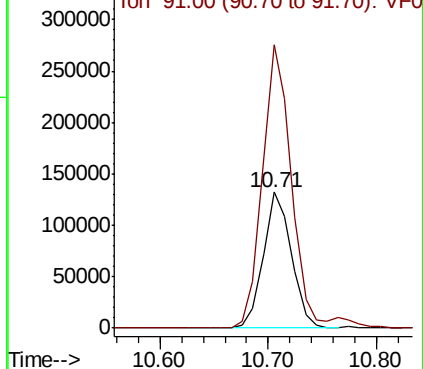
#69
o-Xylene
Concen: 54.938 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 242266
Ion Ratio Lower Upper
106 100
91 208.7 102.6 307.8

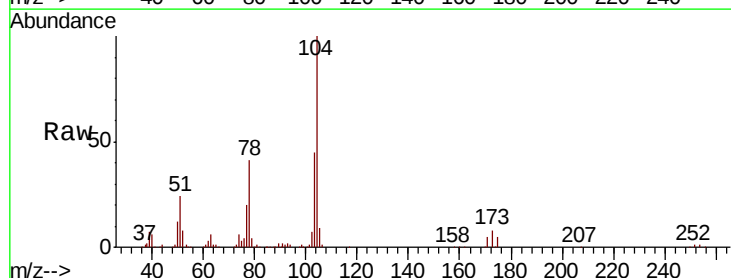


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

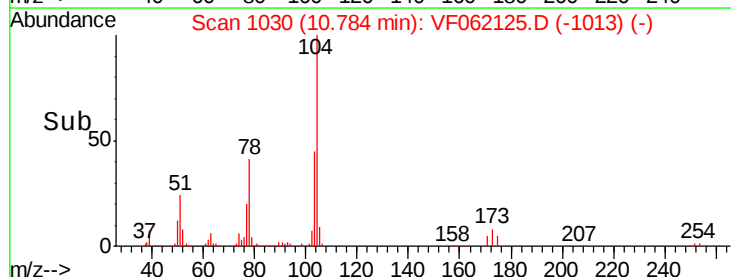
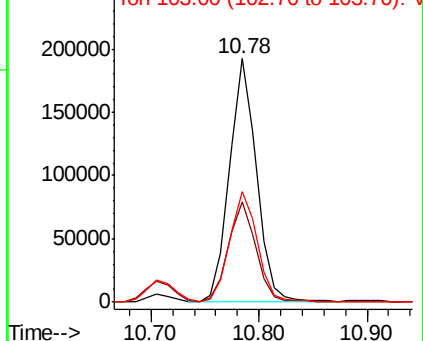


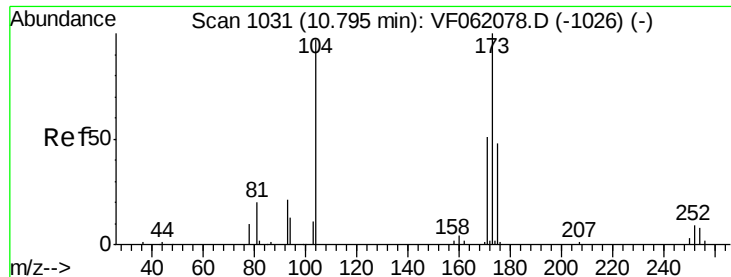
#70
Styrene
Concen: 49.720 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion:104 Resp: 332200
Ion Ratio Lower Upper
104 100
78 41.2 34.3 51.5
103 45.4 36.9 55.3



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





#71

Bromoform

Concen: 51.213 ug/l

RT: 10.76 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampled :

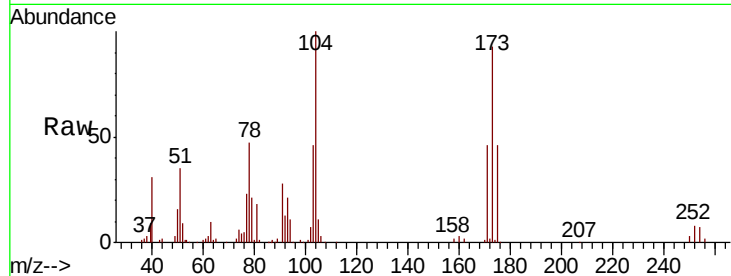
Tot Ion:173 Resp: 68158

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.4

254 7.1 6.2 9.4

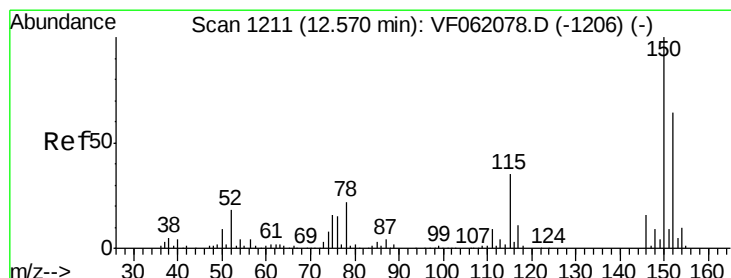
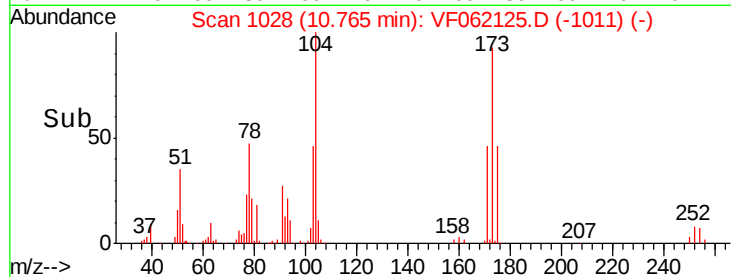
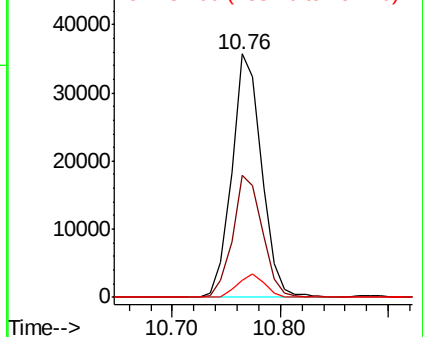


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

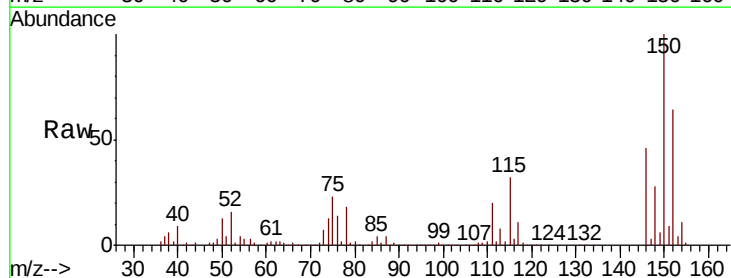
Tgt Ion:152 Resp: 171943

Ion Ratio Lower Upper

152 100

115 49.3 27.7 83.1

150 156.0 0.0 313.2

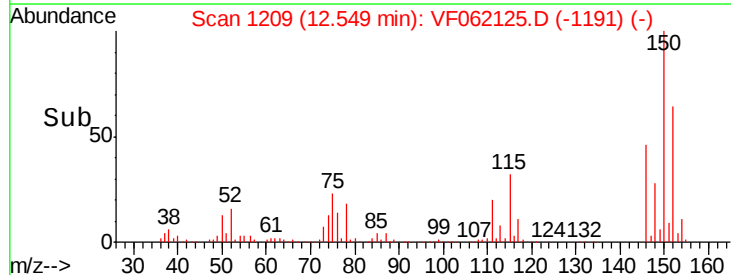
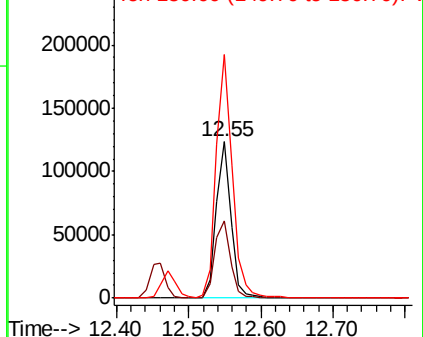


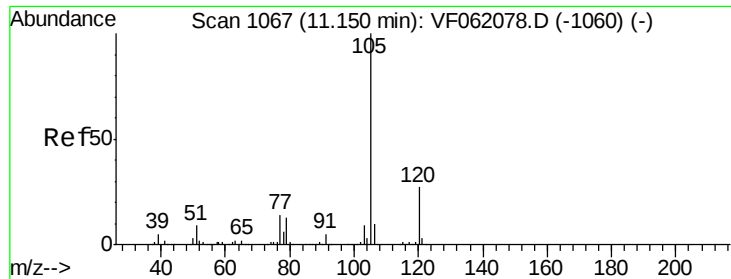
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 56.929 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

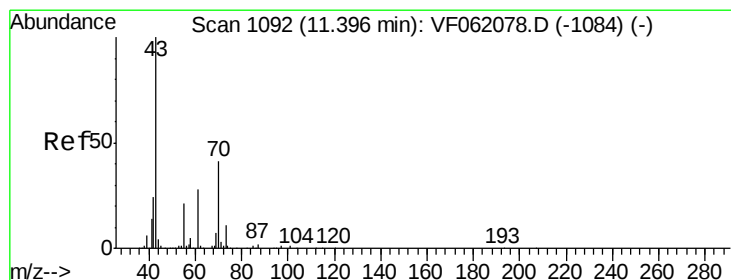
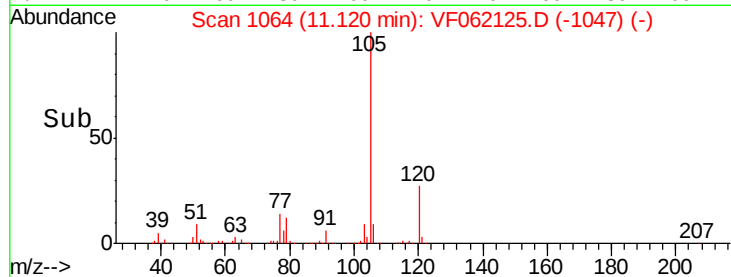
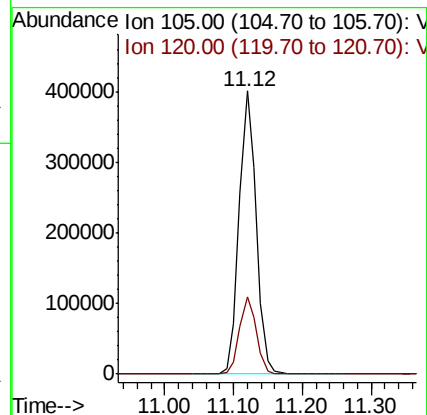
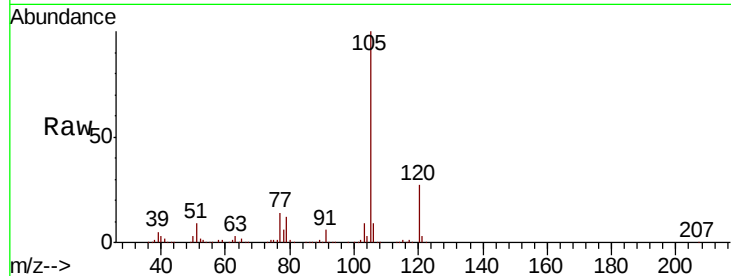
ClientSampleId :

Tot Ion:105 Resp: 688783

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.3



#74

N-ethyl acetate

Concen: 59.499 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Tgt Ion: 43 Resp: 171529

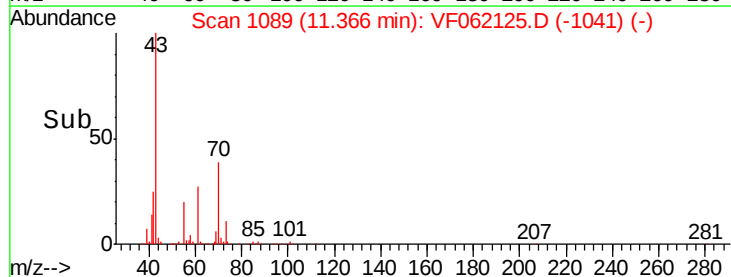
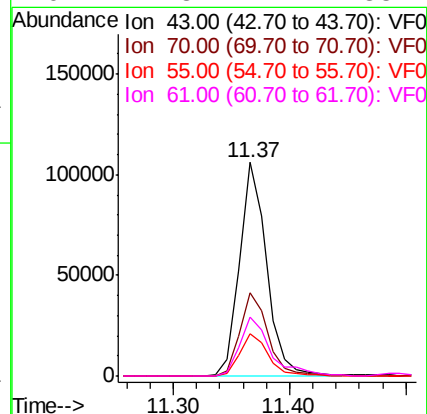
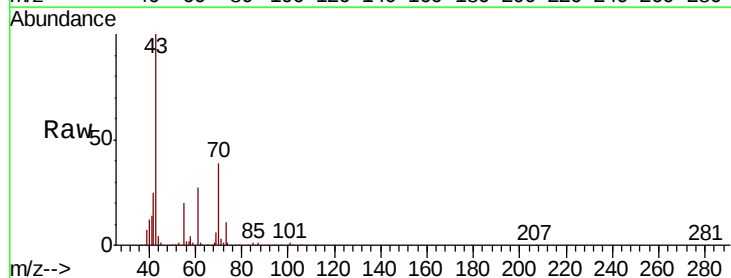
Ion Ratio Lower Upper

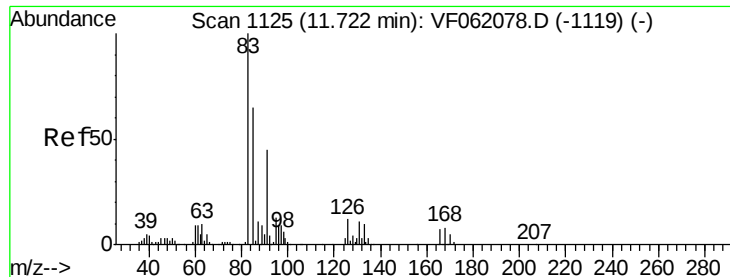
43 100

70 39.0 32.9 49.3

55 20.0 17.1 25.7

61 27.3 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.128 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

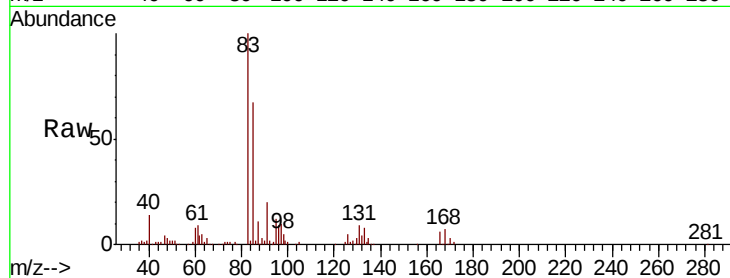
Tot Ion: 83 Resp: 114524

Ion Ratio Lower Upper

83 100

131 9.0 5.3 15.8

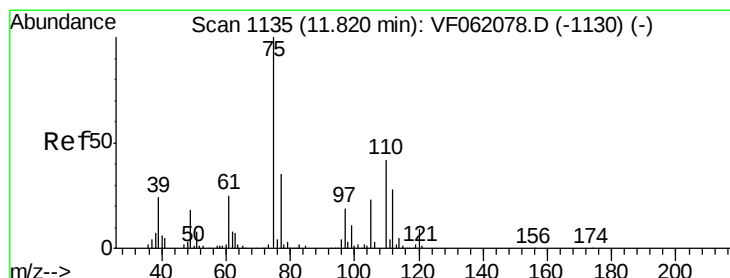
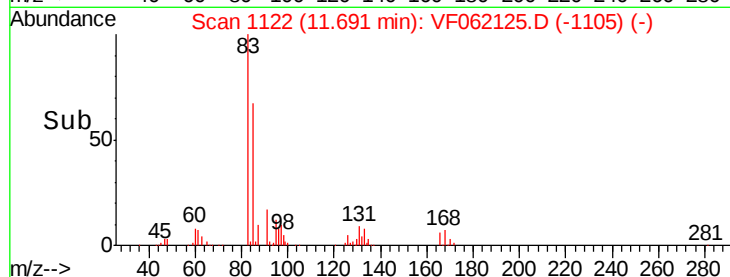
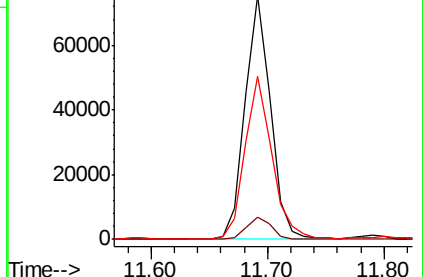
85 67.1 32.6 98.0



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: 53.063 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VF062125.D

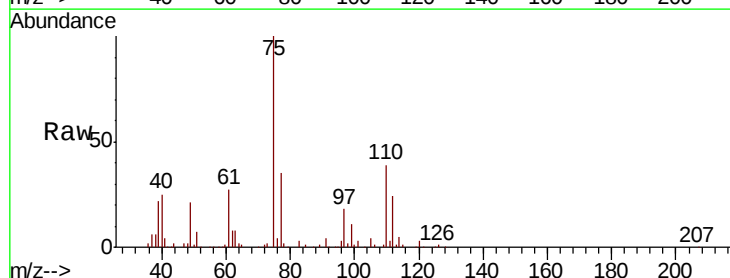
Acq: 23 Mar 2019 19:28

Tgt Ion: 75 Resp: 77578

Ion Ratio Lower Upper

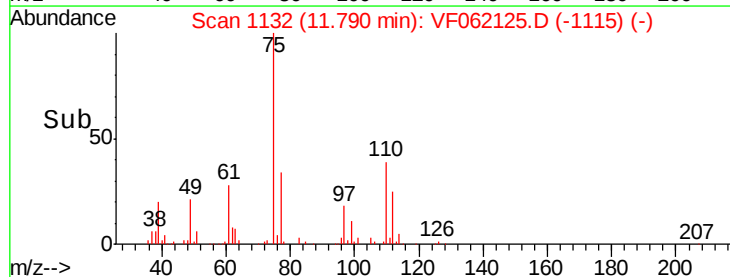
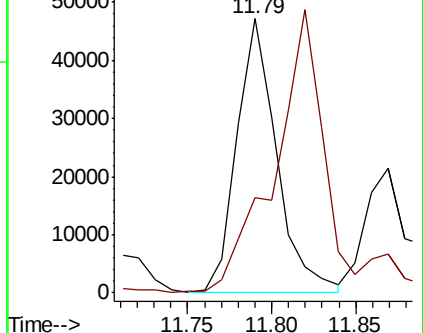
75 100

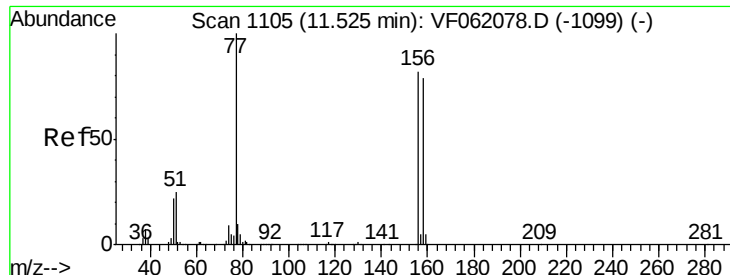
77 34.7 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

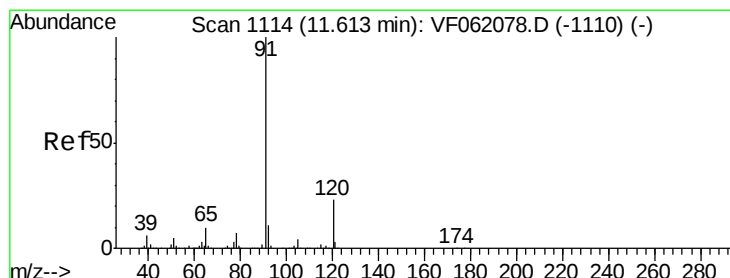
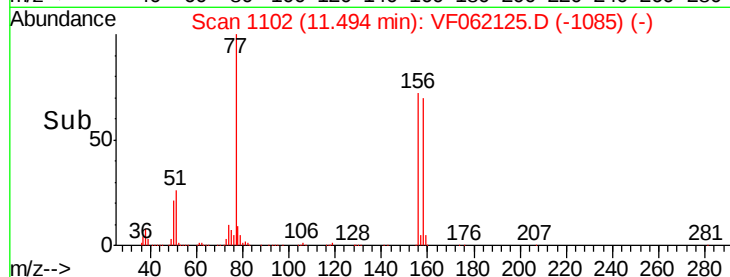
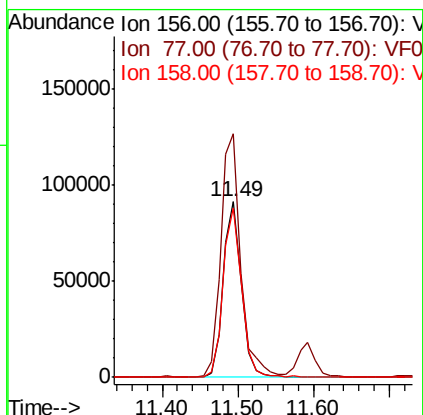
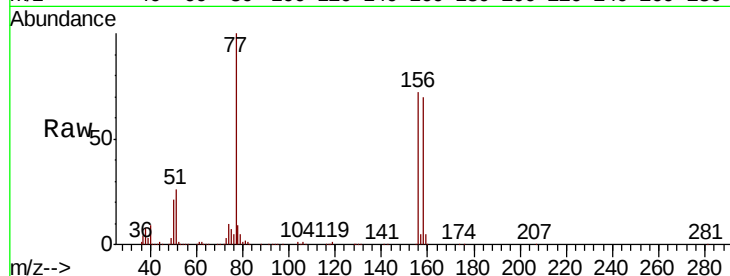




#77
Bromobenzene
Concen: 52.086 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

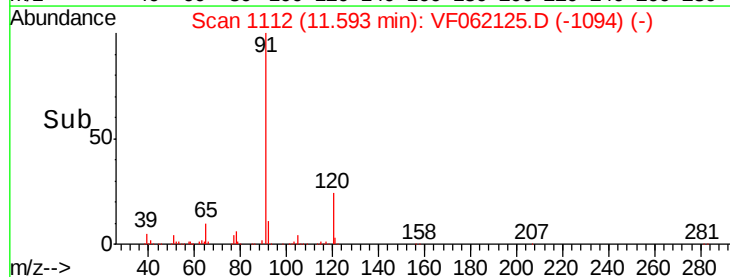
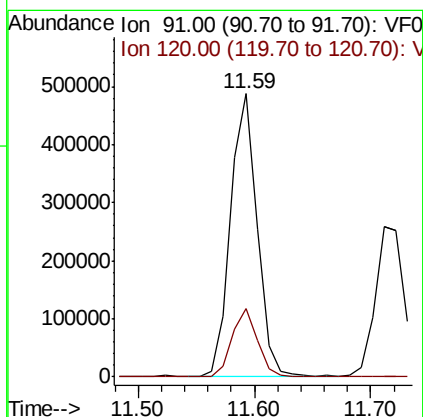
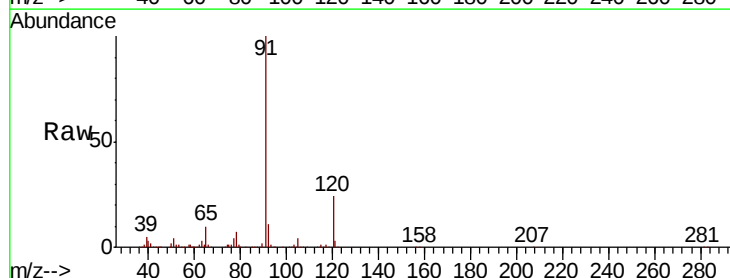
Instrument :
MSVOA_F
ClientSampleId :

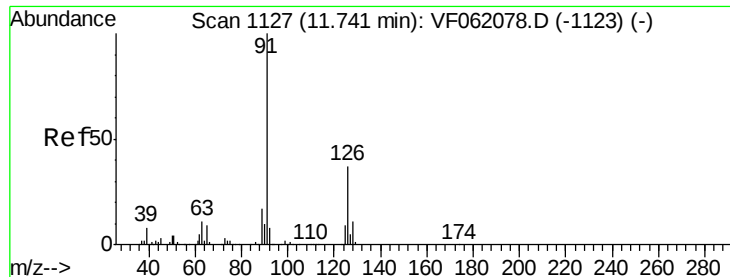
Tot Ion:156 Resp: 153963
Ion Ratio Lower Upper
156 100
77 138.9 61.3 183.9
158 96.8 48.6 145.9



#78
n-propylbenzene
Concen: 54.768 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion: 91 Resp: 769439
Ion Ratio Lower Upper
91 100
120 23.9 11.3 33.8





#79

2-Chlorotoluene

Concen: 56.200 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

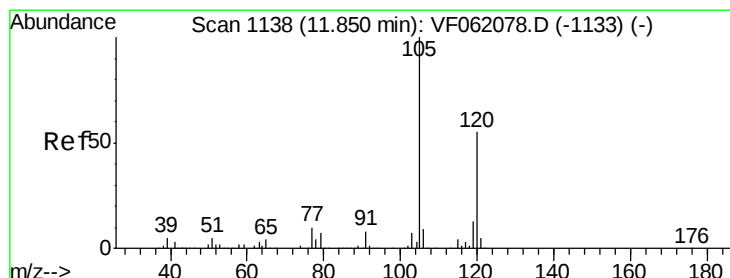
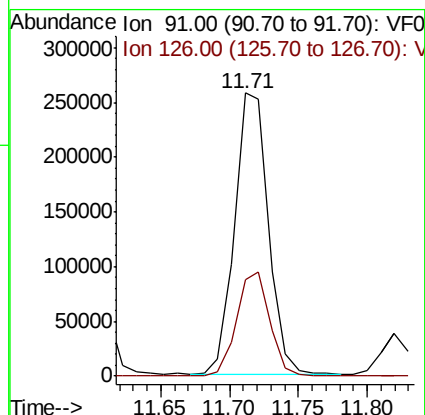
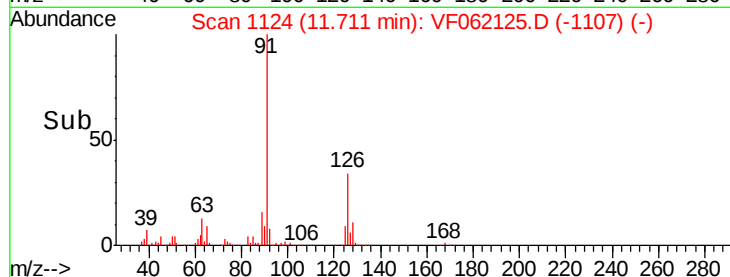
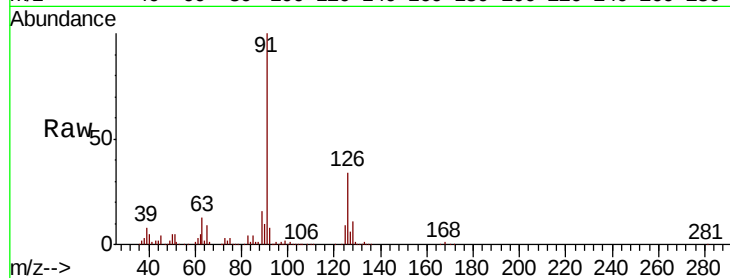
ClientSampled :

Tot Ion: 91 Resp: 438859

Ion Ratio Lower Upper

91 100

126 33.9 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 57.200 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF062125.D

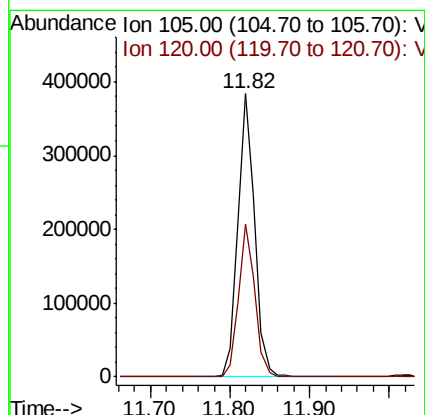
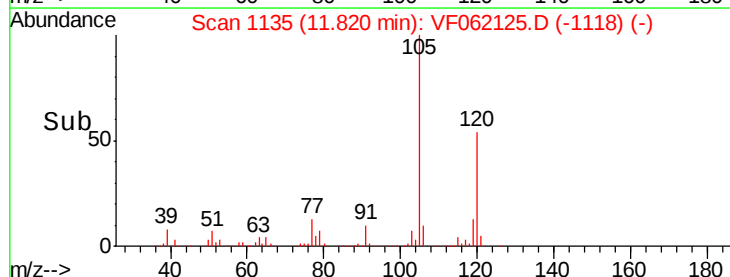
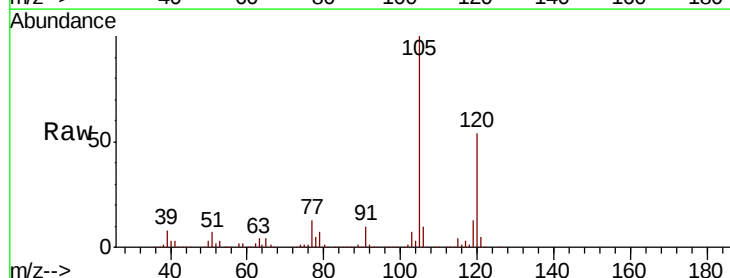
Acq: 23 Mar 2019 19:28

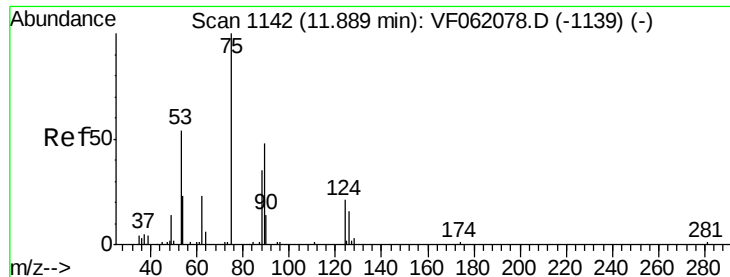
Tgt Ion: 105 Resp: 569252

Ion Ratio Lower Upper

105 100

120 53.9 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 75.472 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

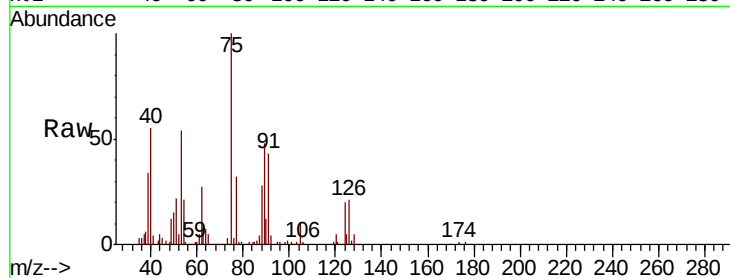
Tot Ion: 75 Resp: 44961

Ion Ratio Lower Upper

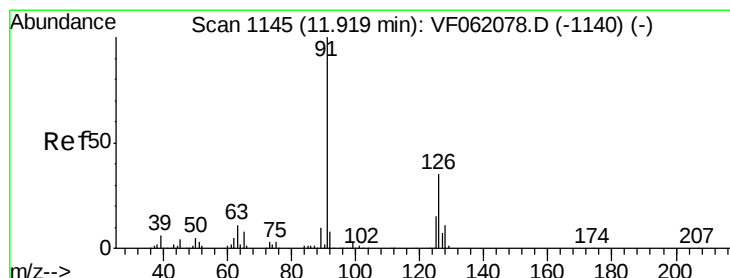
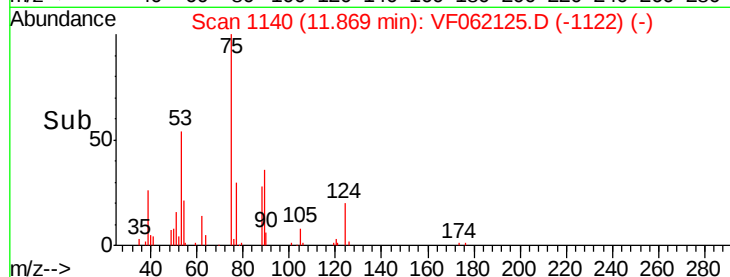
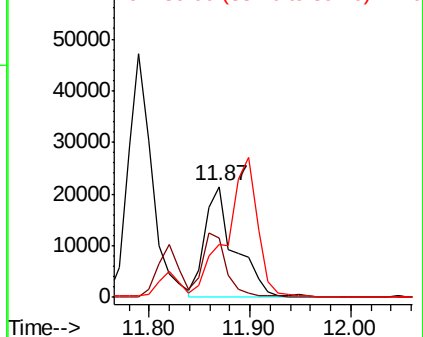
75 100

53 53.5 49.4 74.0

89 47.7 40.6 60.8



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: 53.481 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF062125.D

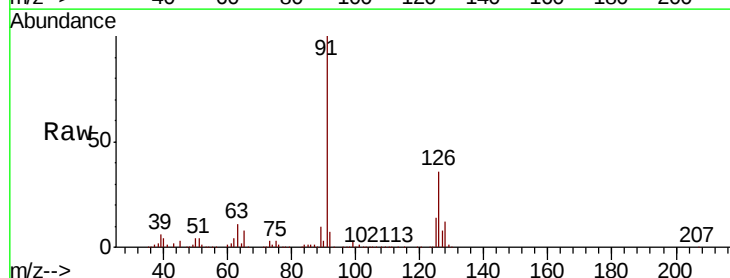
Acq: 23 Mar 2019 19:28

Tgt Ion: 91 Resp: 428204

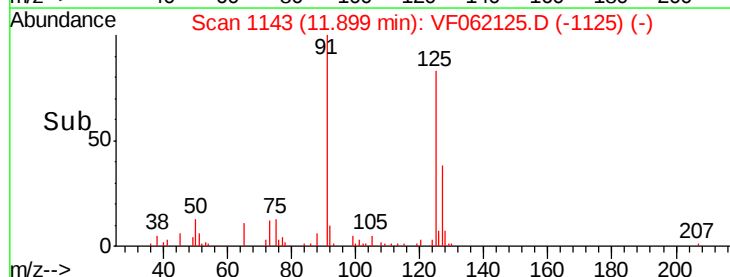
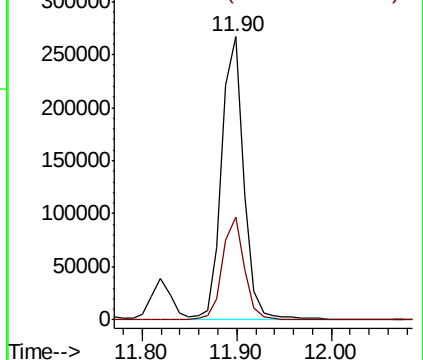
Ion Ratio Lower Upper

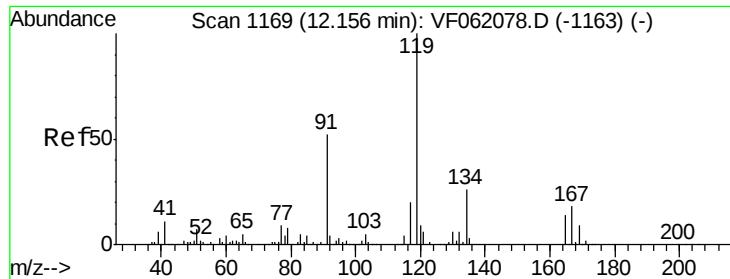
91 100

126 36.2 17.2 51.6



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

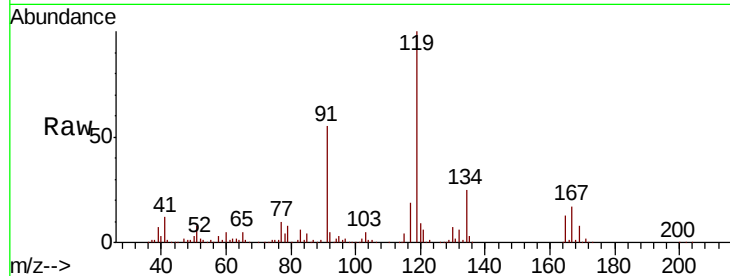




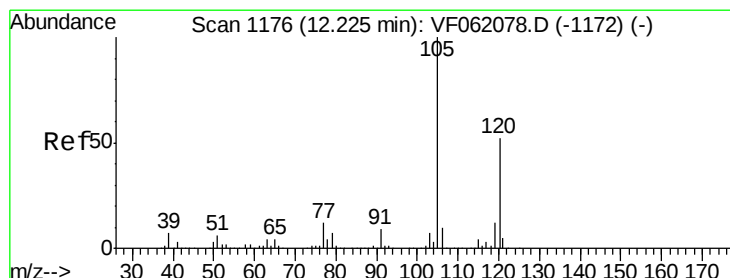
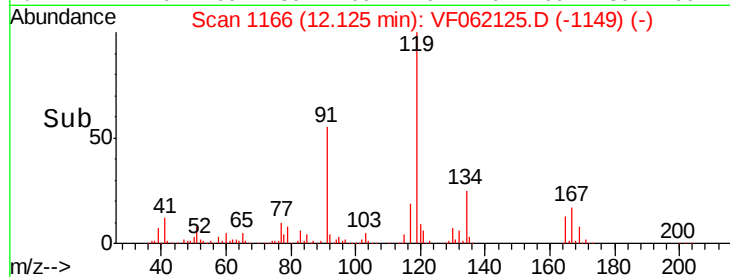
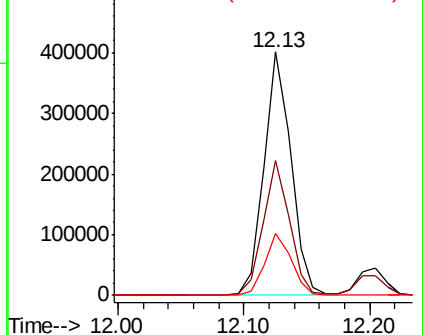
#83
 tert-Butylbenzene
 Concen: 57.903 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:119 Resp: 603230
 Ion Ratio Lower Upper
 119 100
 91 55.3 26.1 78.2
 134 25.2 12.8 38.4

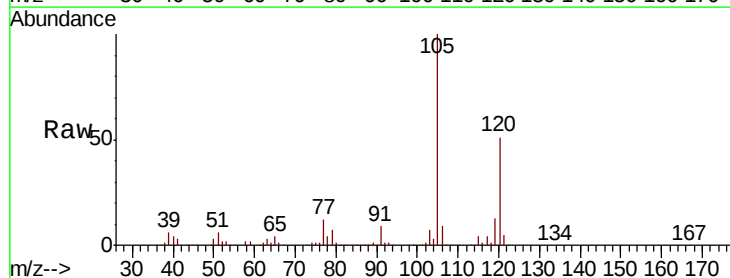


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

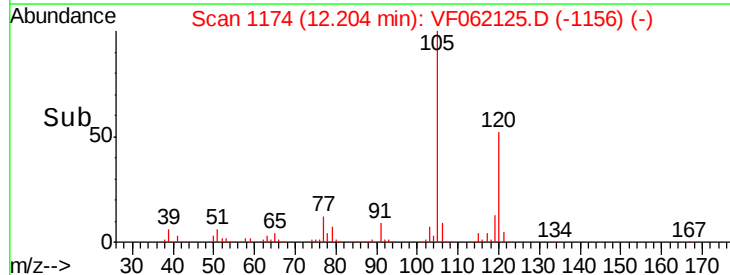
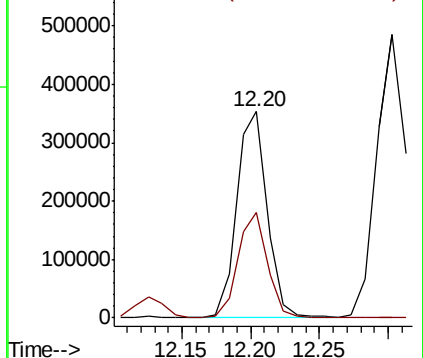


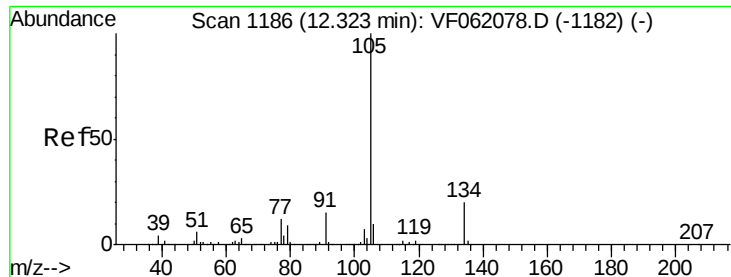
#84
 1,2,4-Trimethylbenzene
 Concen: 55.545 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion:105 Resp: 541900
 Ion Ratio Lower Upper
 105 100
 120 51.4 26.1 78.2



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

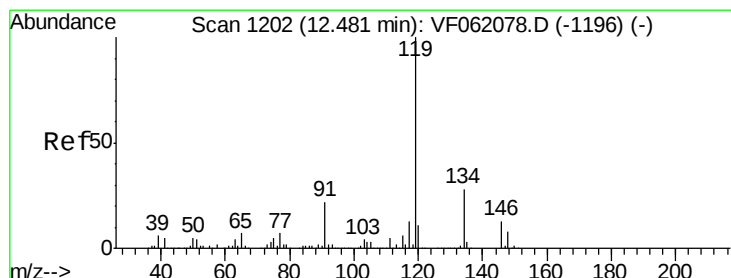
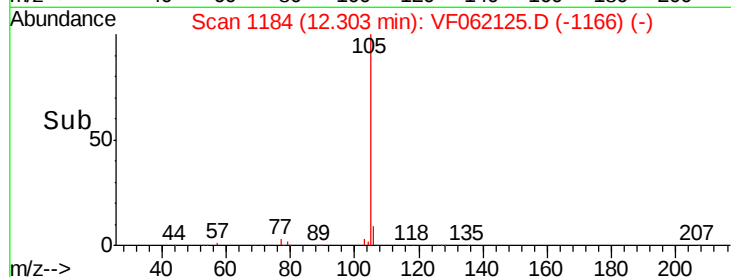
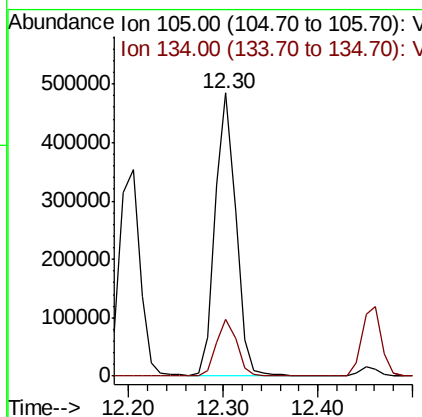
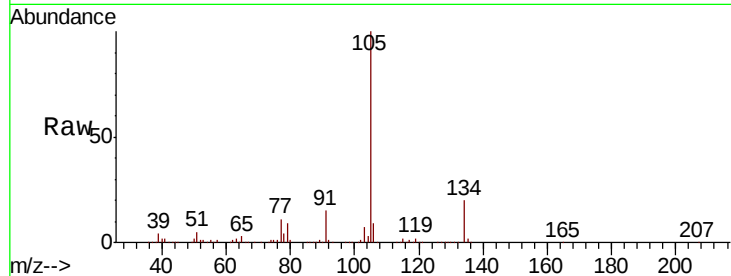




#85
 sec-Butylbenzene
 Concen: 54.592 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

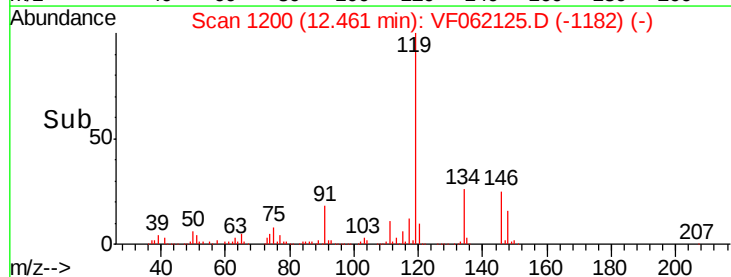
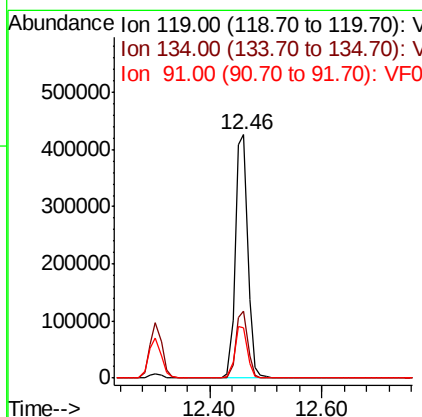
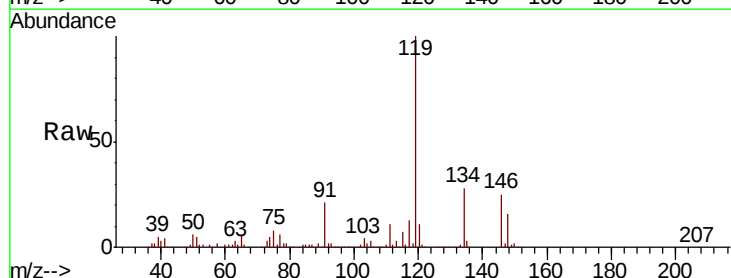
Instrument :
 MSVOA_F
 ClientSampleId :

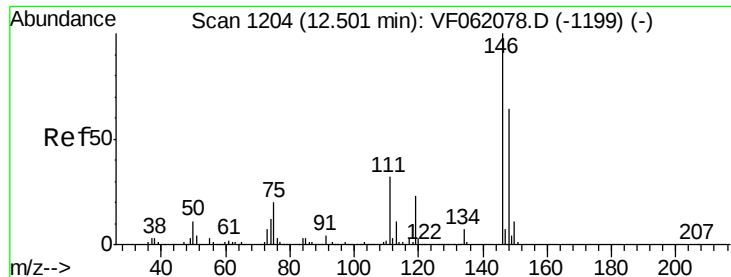
Tot Ion:105 Resp: 735739
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 56.612 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion:119 Resp: 661012
 Ion Ratio Lower Upper
 119 100
 134 27.7 14.0 42.0
 91 20.5 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 54.188 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampled :

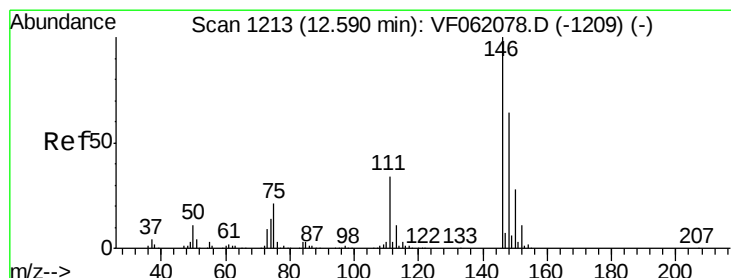
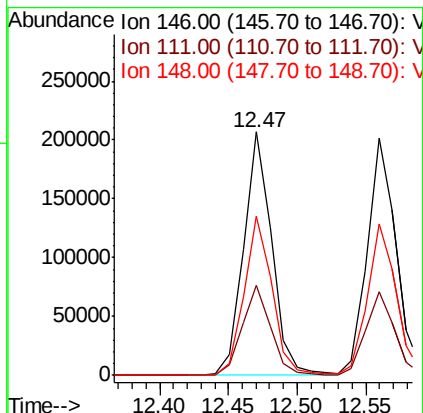
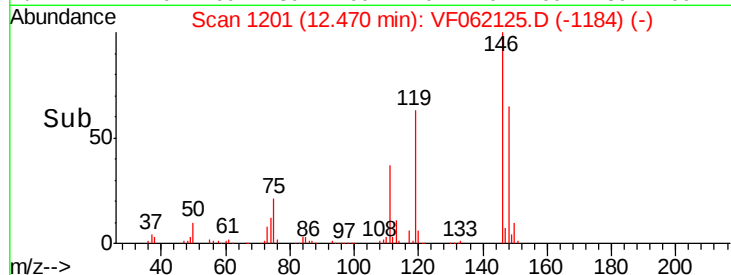
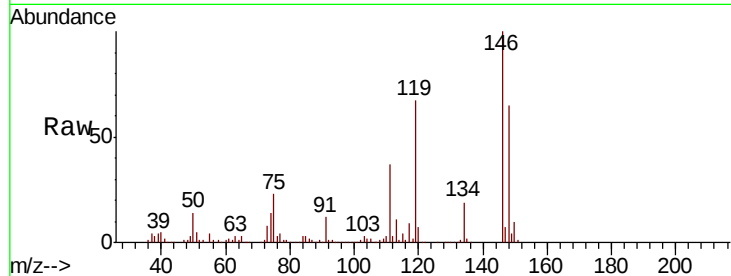
Tot Ion:146 Resp: 297594

Ion Ratio Lower Upper

146 100

111 36.9 16.1 48.3

148 65.2 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 55.041 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.03 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

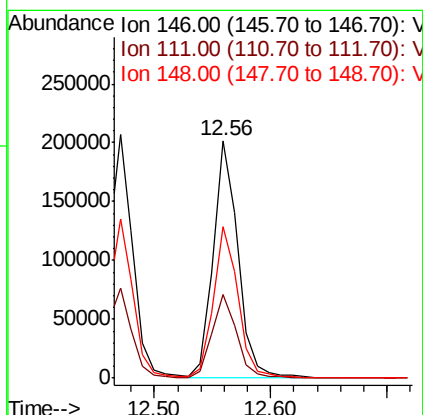
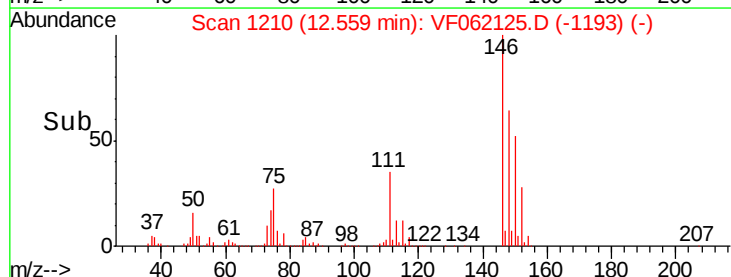
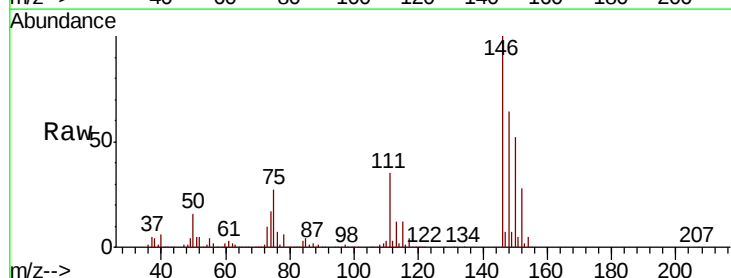
Tgt Ion:146 Resp: 294962

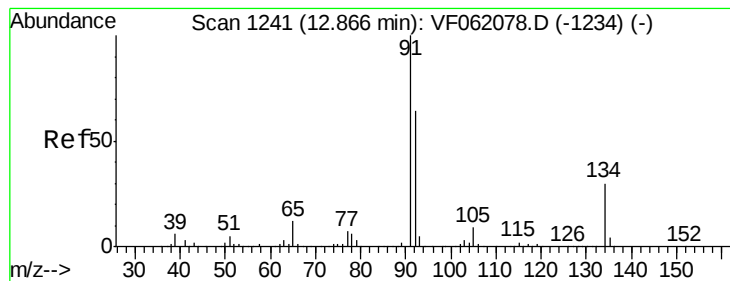
Ion Ratio Lower Upper

146 100

111 35.2 16.9 50.6

148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 54.438 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VF062125.D

Acq: 23 Mar 2019 19:28

Instrument :

MSVOA_F

ClientSampleId :

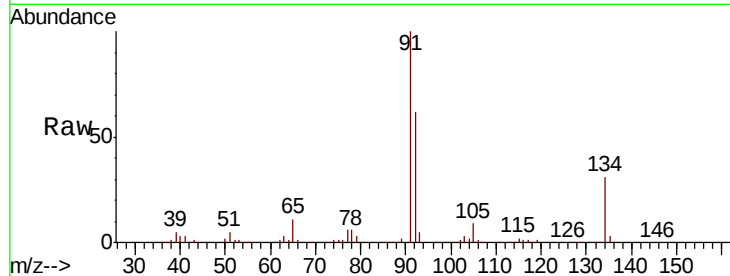
Tot Ion: 91 Resp: 606426

Ion Ratio Lower Upper

91 100

92 62.1 31.9 95.5

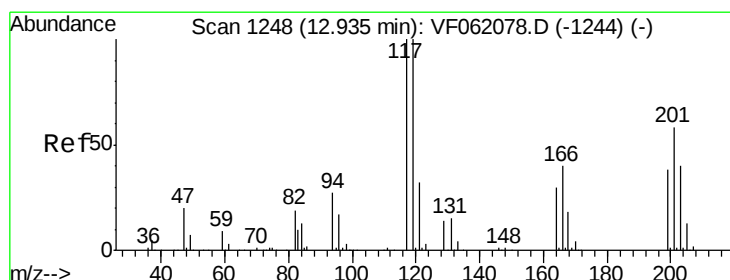
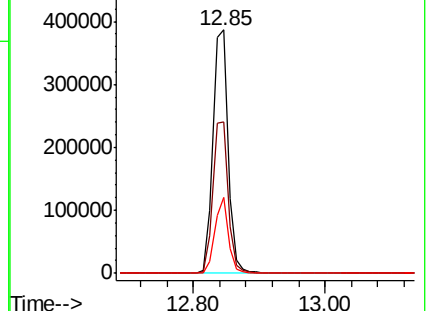
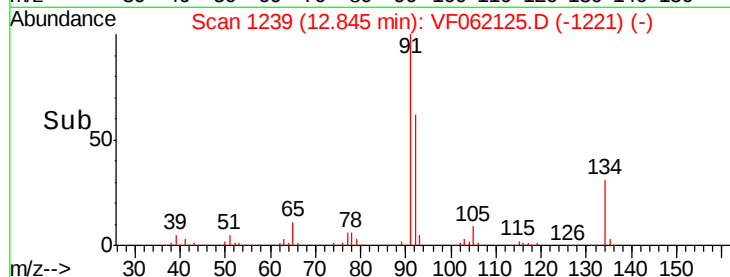
134 31.0 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.850 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VF062125.D

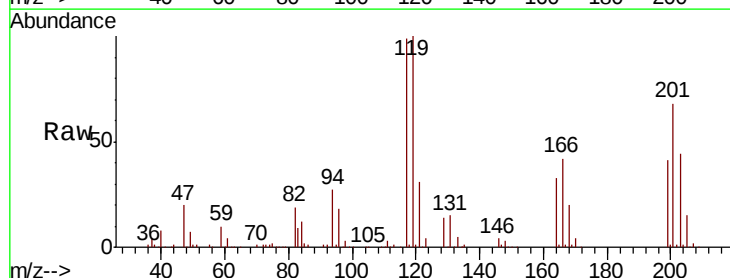
Acq: 23 Mar 2019 19:28

Tgt Ion: 117 Resp: 158058

Ion Ratio Lower Upper

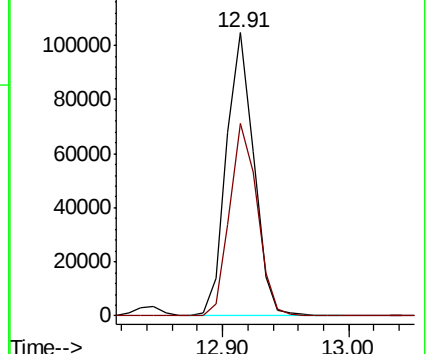
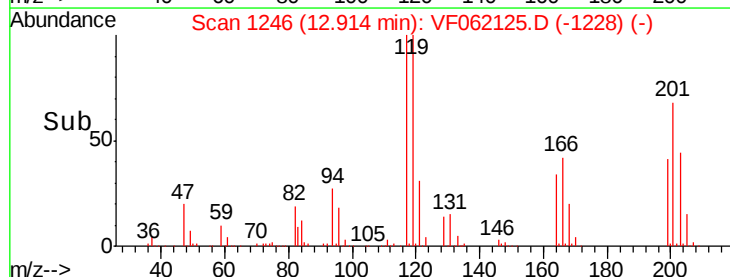
117 100

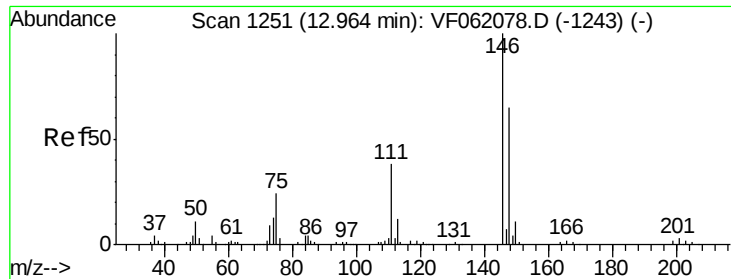
201 68.0 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

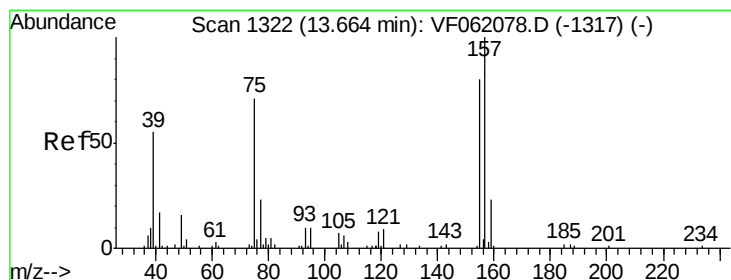
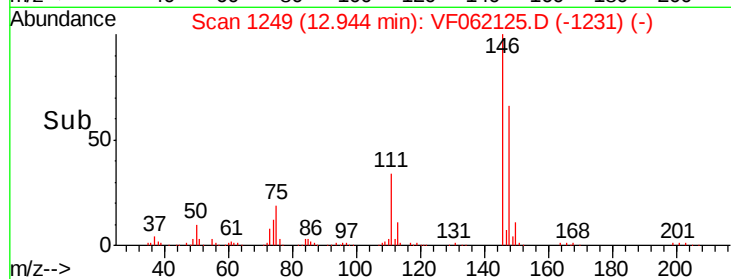
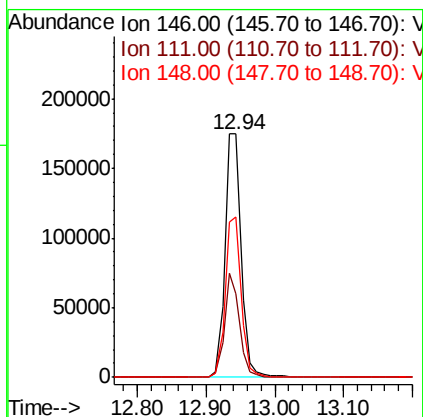
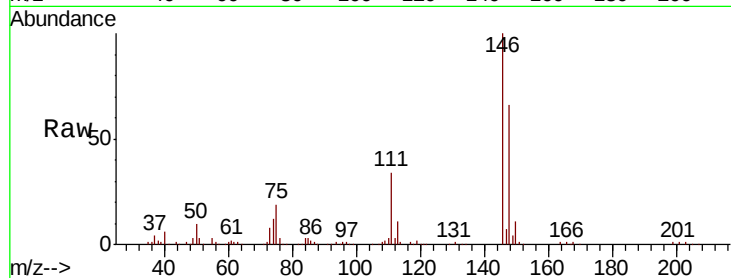




#91
 1,2-Dichlorobenzene
 Concen: 54.960 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

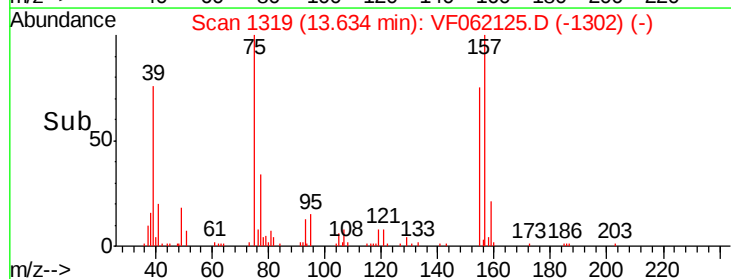
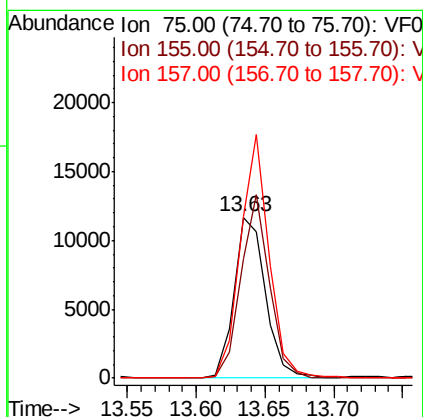
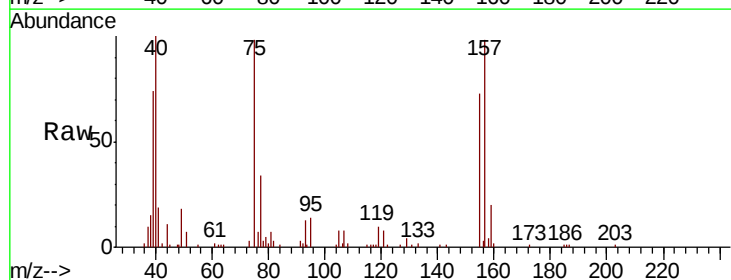
Instrument :
 MSVOA_F
 ClientSampled :

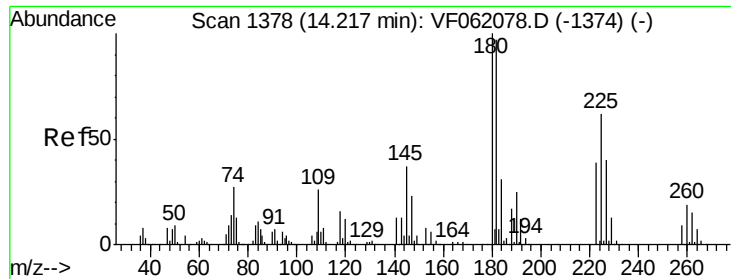
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	19.1	57.3
148	66.1	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.231 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	56.1	168.4
157	100.2	70.4	211.2

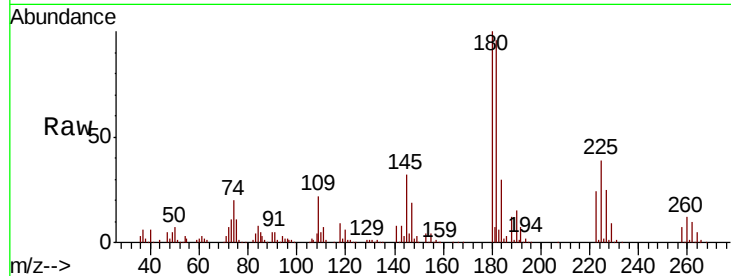




#93
 1,2,4-Trichlorobenzene
 Concen: 56.679 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.7	146.1
145	32.0	18.3	54.8

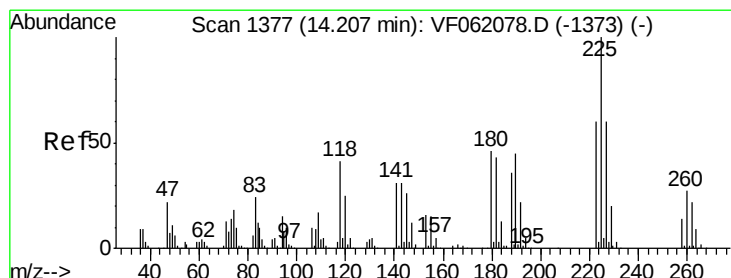
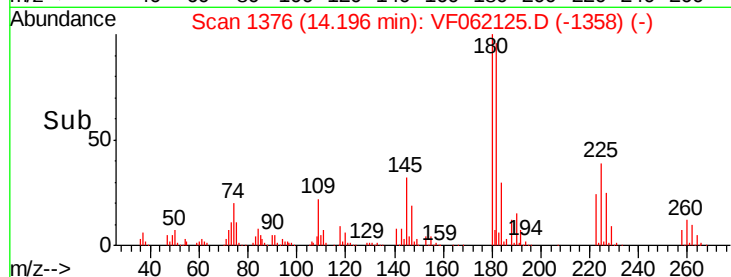
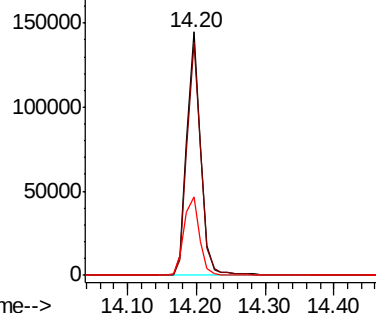


Abundance

Ion 180.00 (179.70 to 180.70): V

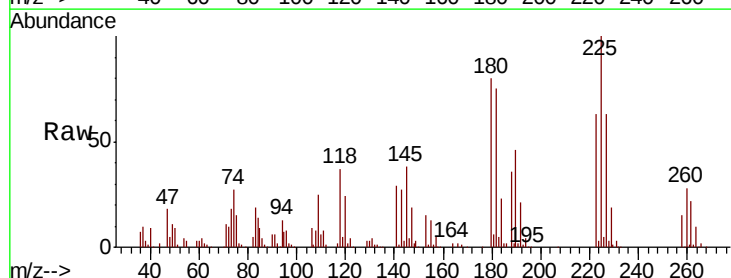
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 56.713 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.0	90.0
227	62.9	30.2	90.6

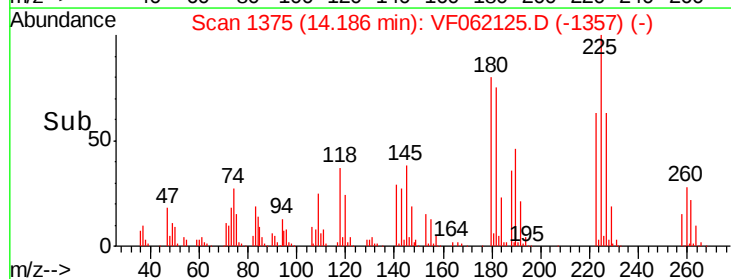
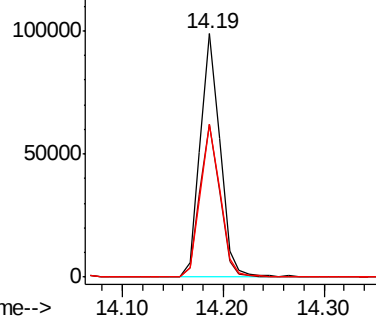


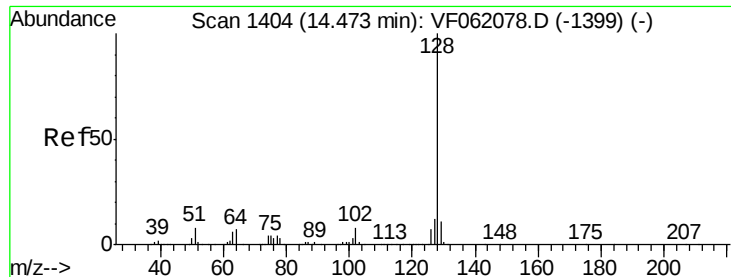
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

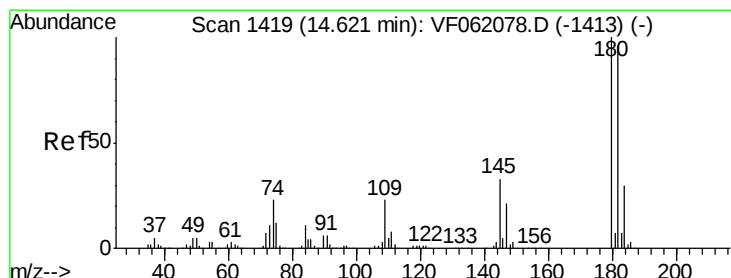
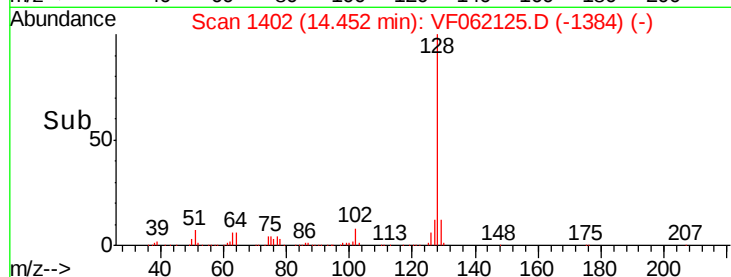
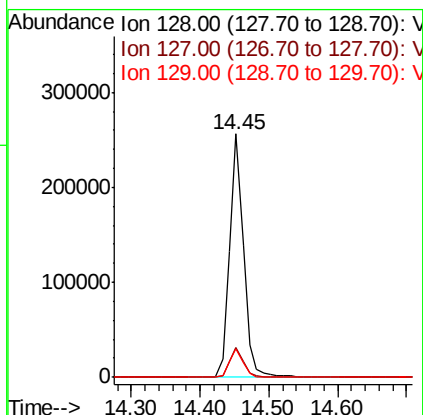
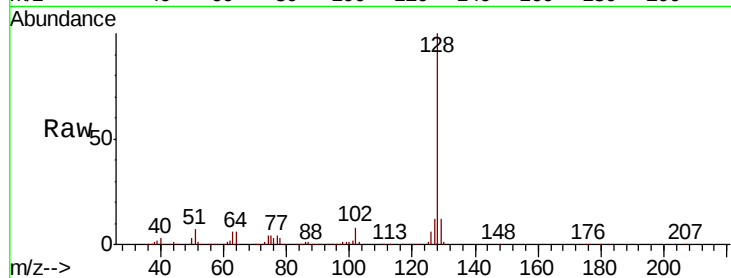




#95
Naphthalene
Concen: 57.077 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 359482
Ion Ratio Lower Upper
128 100
127 12.3 9.5 14.3
129 11.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.092 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Tgt Ion:180 Resp: 192069
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 30.8 16.6 49.7

