

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 :
 VSTDCCC050EC

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

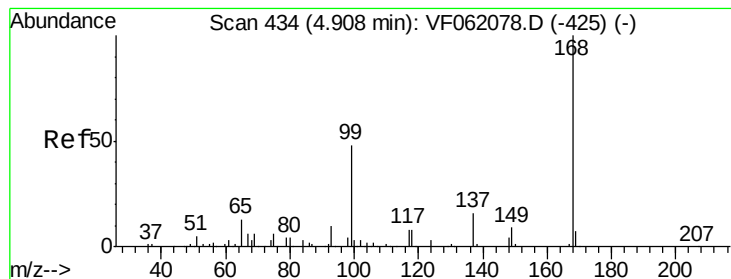
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	203706	56.679	ug/l	97
94) Hexachlorobutadiene	14.19	225	135527	56.713	ug/l	97
95) Naphthalene	14.45	128	359482	57.077	ug/l	98
96) 1,2,3-Trichlorobenzene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

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



#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

ClientSampleId :

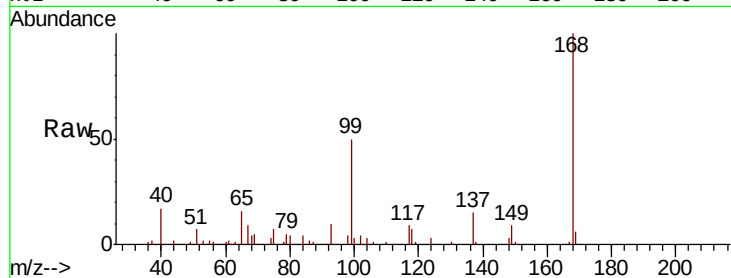
VSTDCCC050EC

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

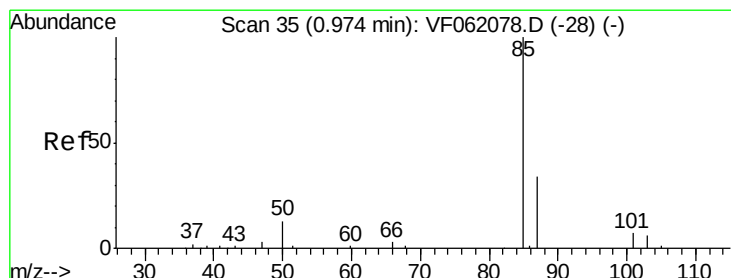
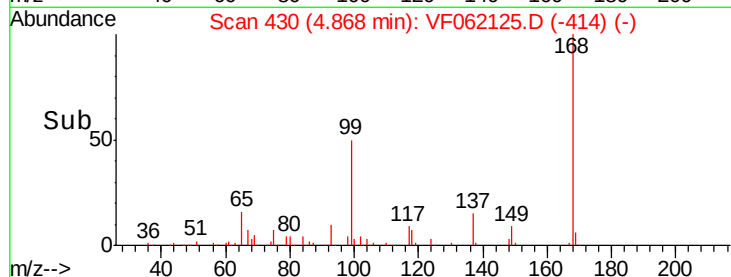
20000

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

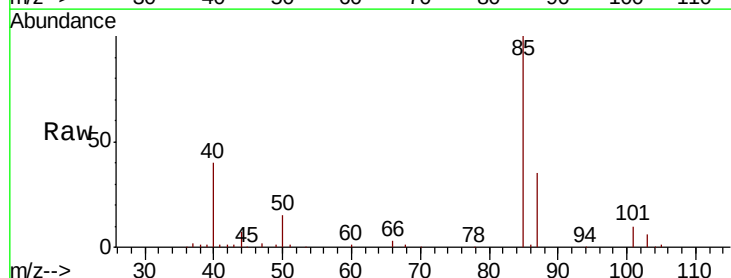
Acq: 23 Mar 2019 19:28

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

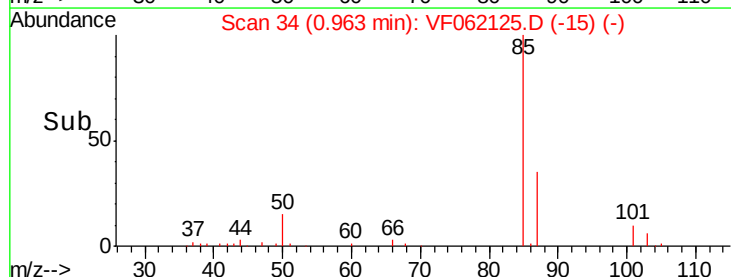
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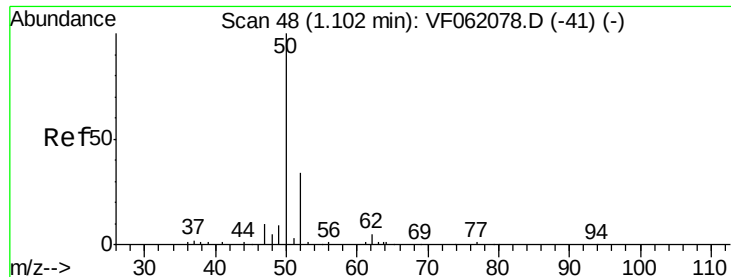
Time-->

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 :

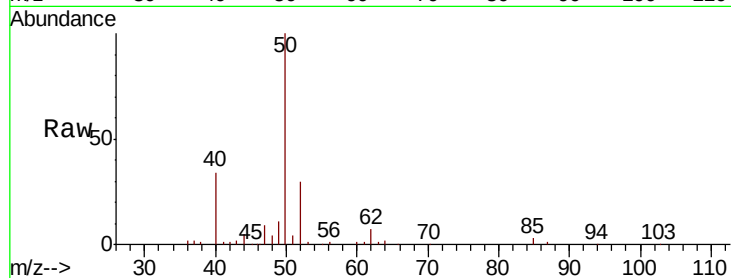
VSTDCCC050EC

Tot Ion: 50 Resp: 180120

Ion Ratio Lower Upper

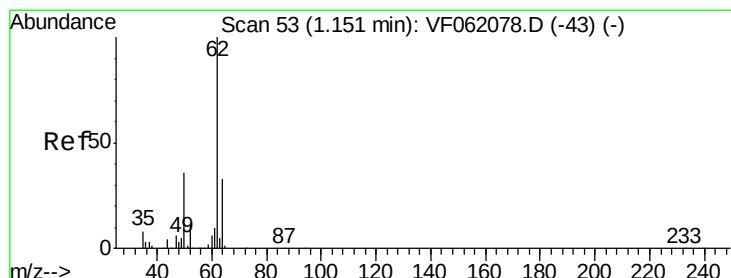
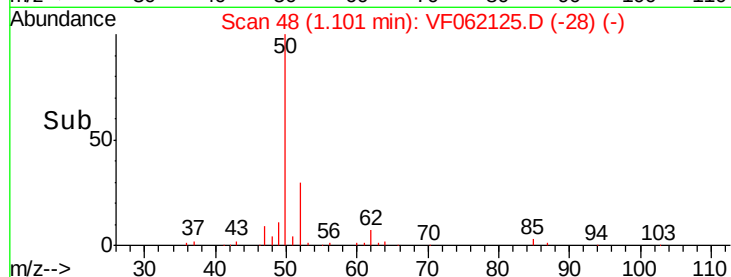
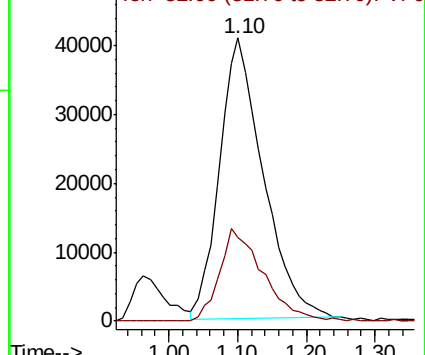
50 100

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

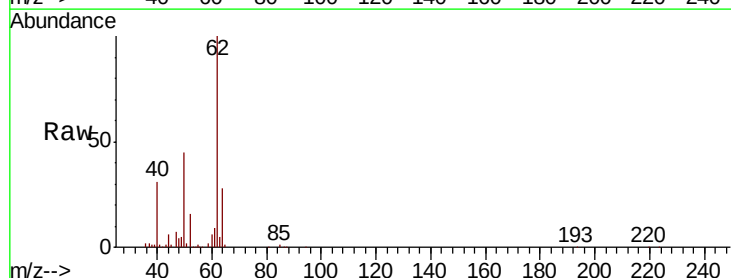
Acq: 23 Mar 2019 19:28

Tgt Ion: 62 Resp: 173665

Ion Ratio Lower Upper

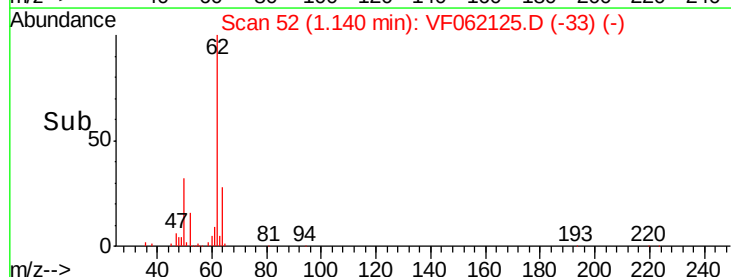
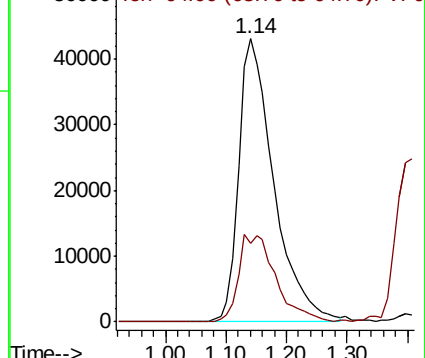
62 100

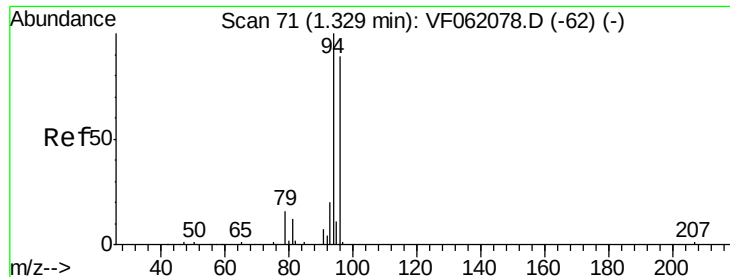
64 27.8 26.2 39.2



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

ClientSampleId :

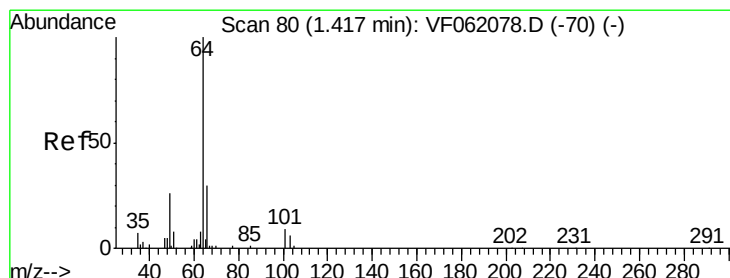
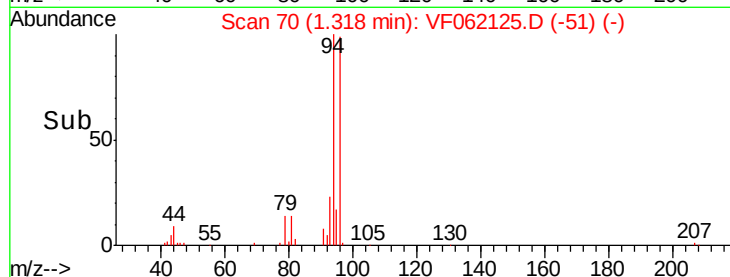
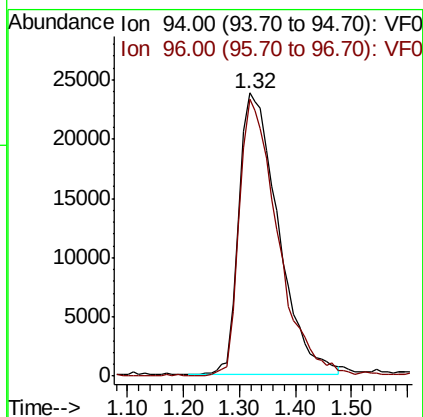
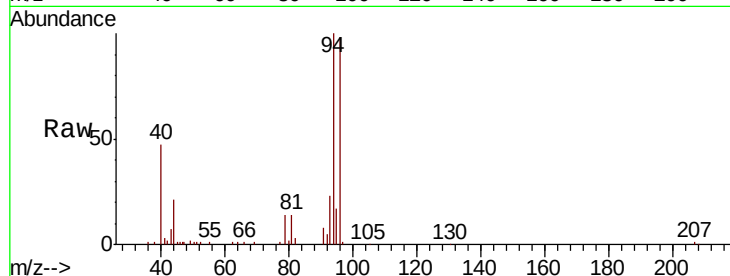
VSTDCCC050EC

Tot Ion: 94 Resp: 116162

Ion Ratio Lower Upper

94 100

96 98.0 70.9 106.3



#6

Chloroethane

Concen: 51.921 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062125.D

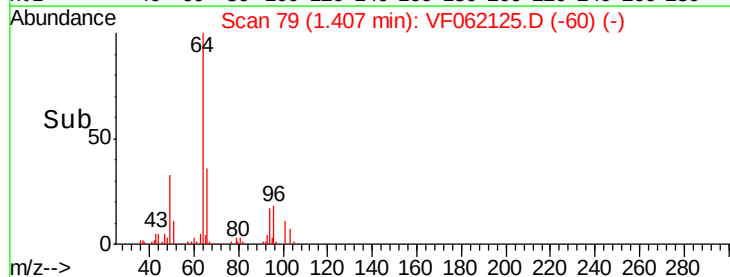
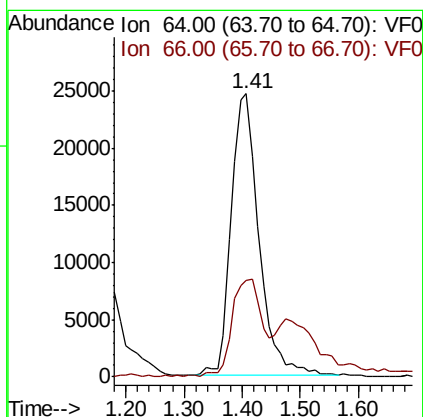
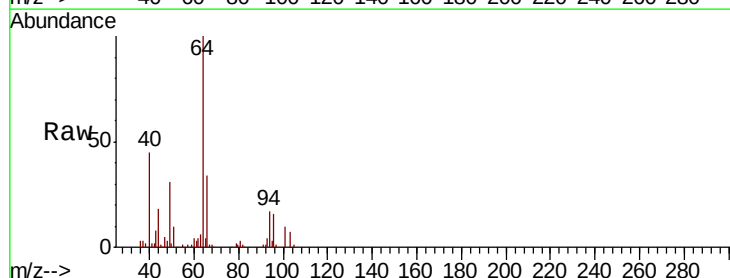
Acq: 23 Mar 2019 19:28

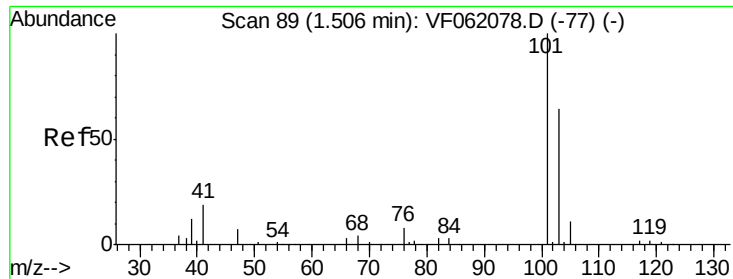
Tgt Ion: 64 Resp: 82166

Ion Ratio Lower Upper

64 100

66 34.1 24.5 36.7





#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

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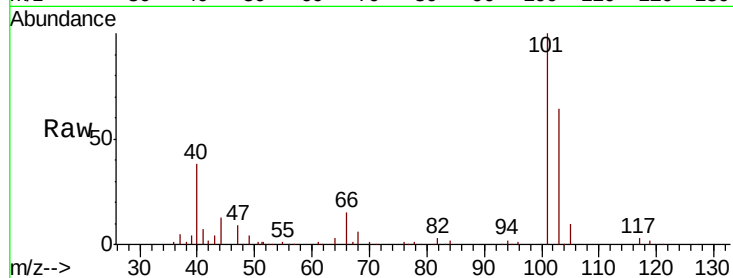
VSTDCCC050EC

Tot Ion:101 Resp: 158178

Ion Ratio Lower Upper

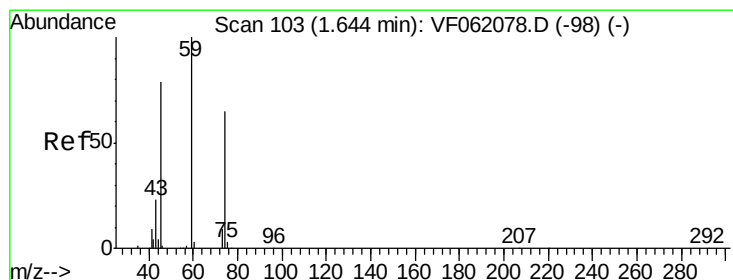
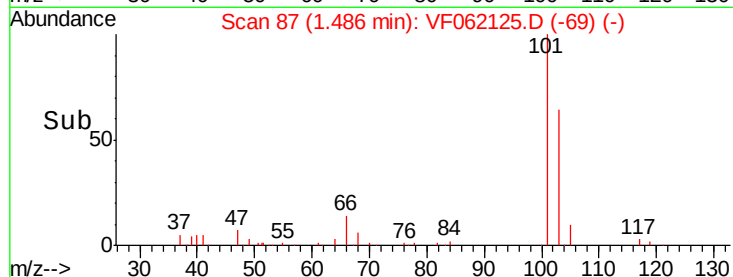
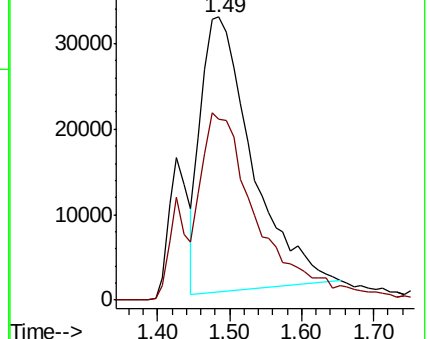
101 100

103 63.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 55.751 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF062125.D

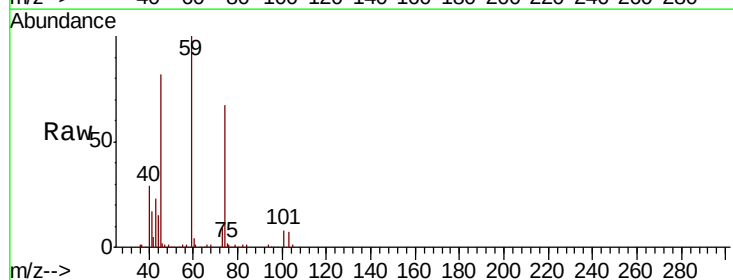
Acq: 23 Mar 2019 19:28

Tgt Ion: 74 Resp: 48351

Ion Ratio Lower Upper

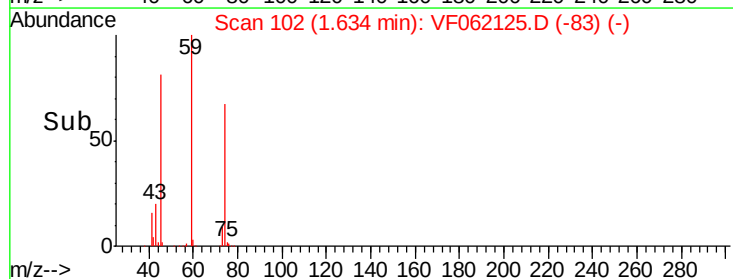
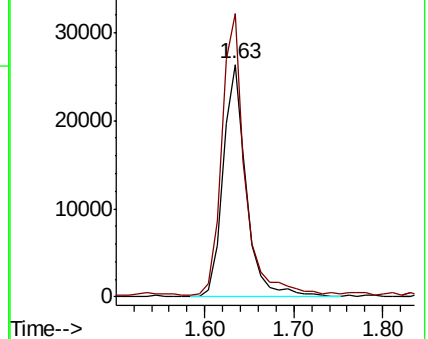
74 100

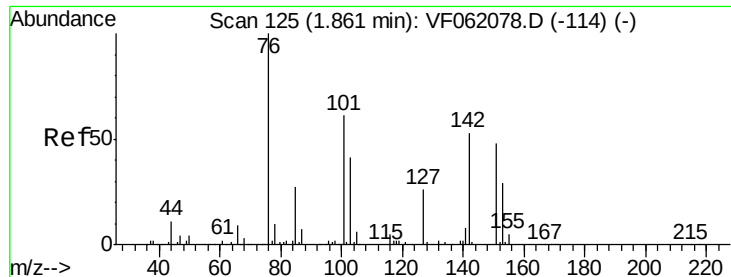
45 121.7 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.287 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.01 min

Lab File: VF062125.D

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VSTDCCC050EC

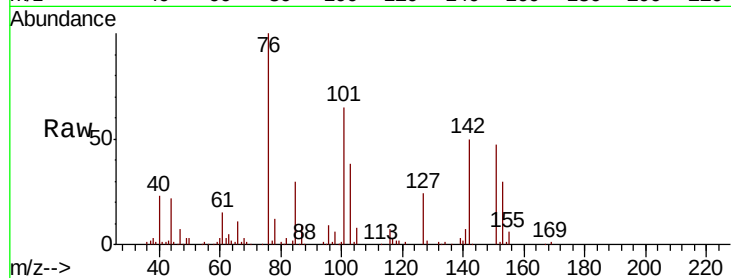
Tot Ion:101 Resp: 140613

Ion Ratio Lower Upper

101 100

85 45.5 34.6 52.0

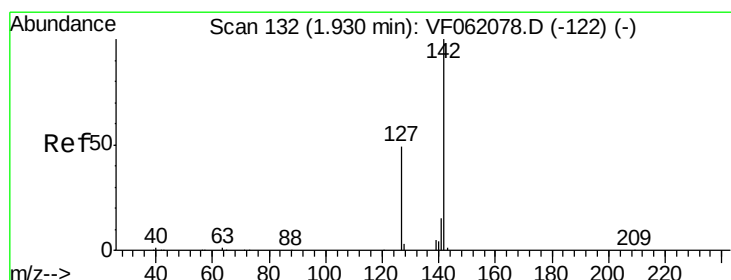
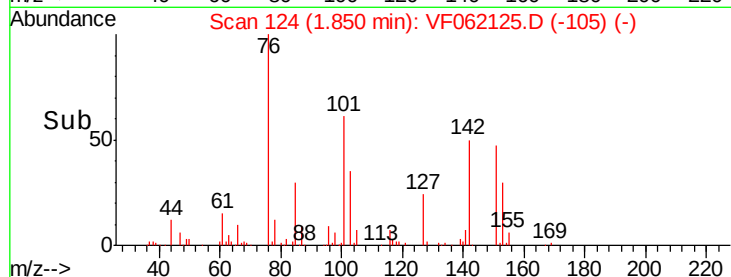
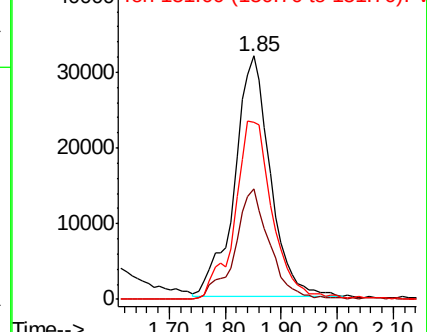
151 72.5 61.7 92.5



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

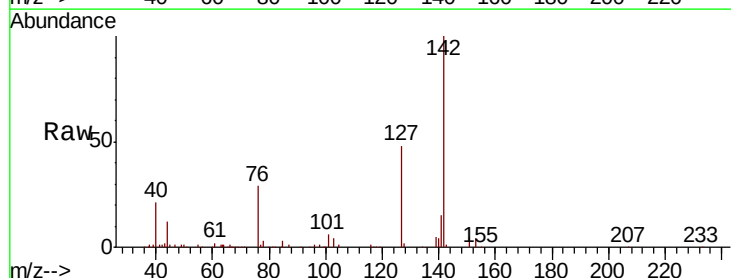
Tgt Ion:142 Resp: 217890

Ion Ratio Lower Upper

142 100

127 48.2 39.1 58.7

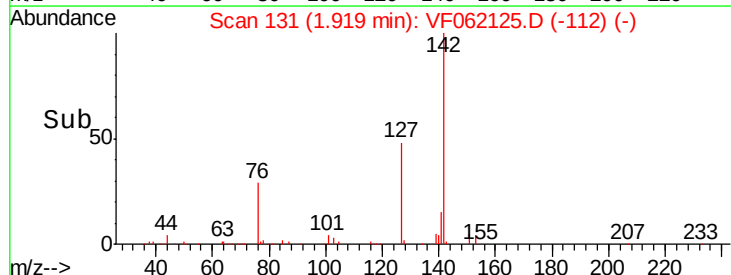
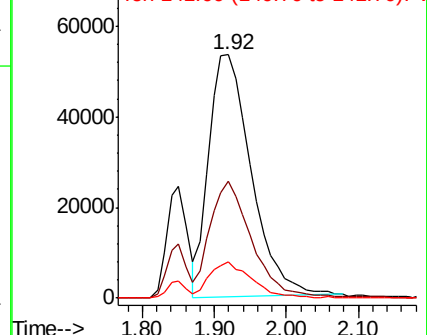
141 14.8 12.2 18.4

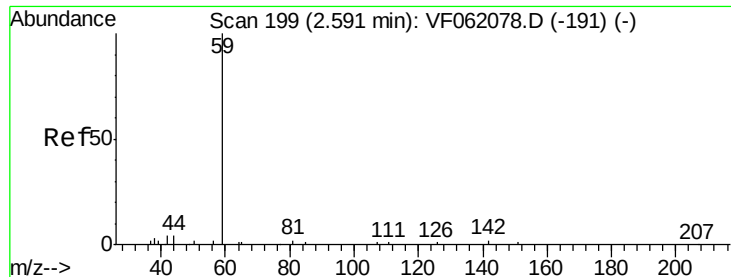


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



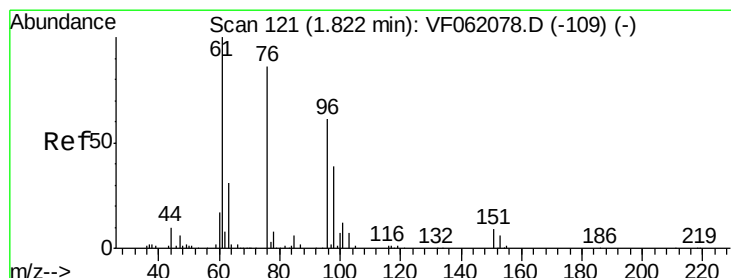
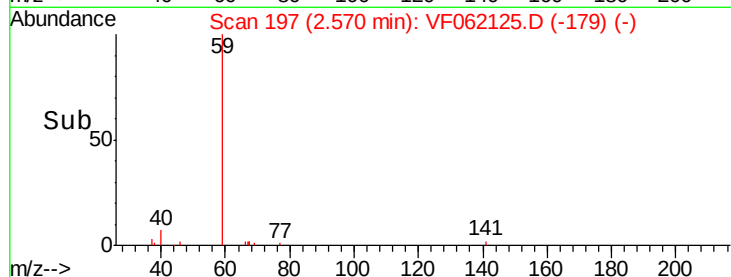
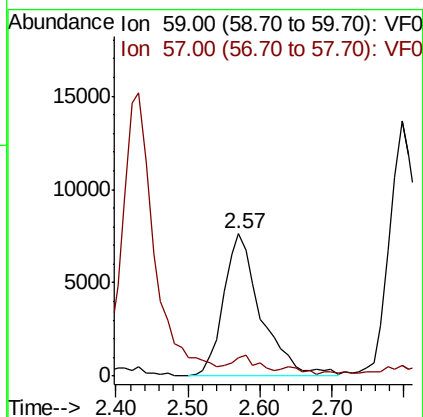
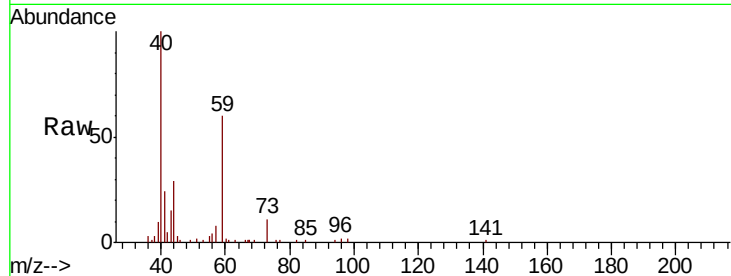


#11

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 :
 VSTDCCC050EC

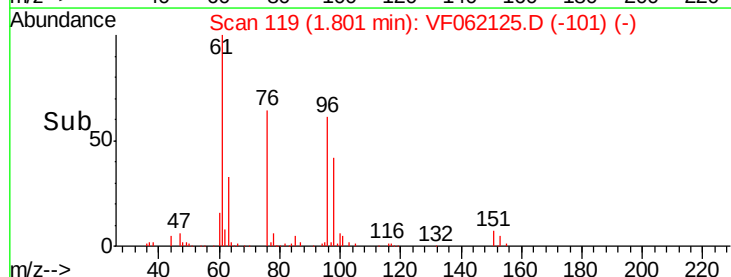
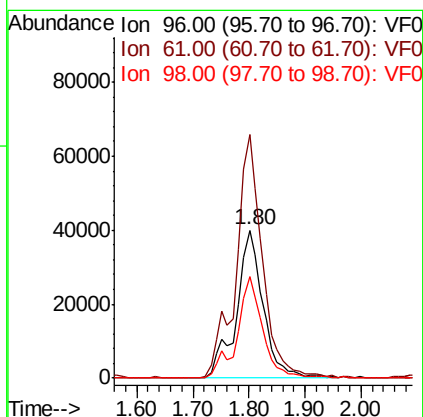
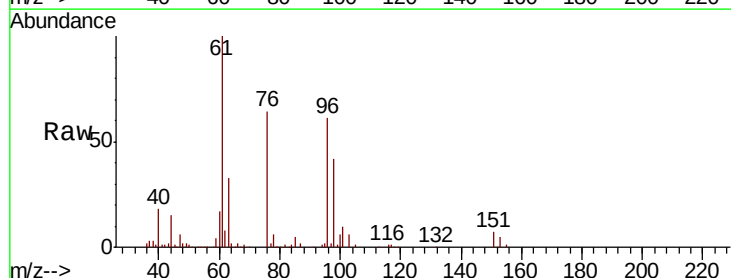
Tot Ion: 59 Resp: 27486
 Ion Ratio Lower Upper
 59 100
 57 13.2 11.0 16.4

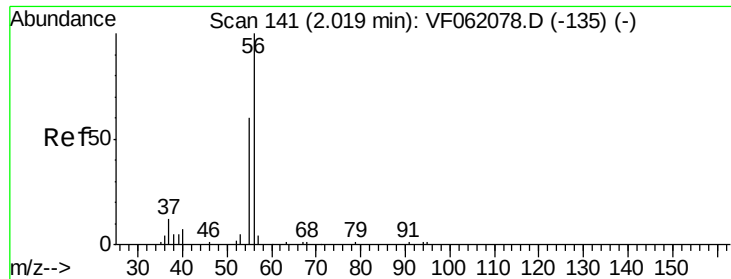


#12

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

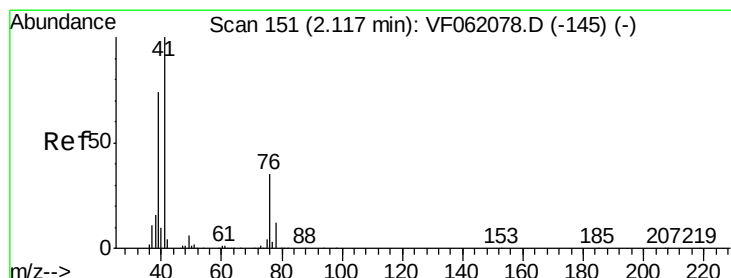
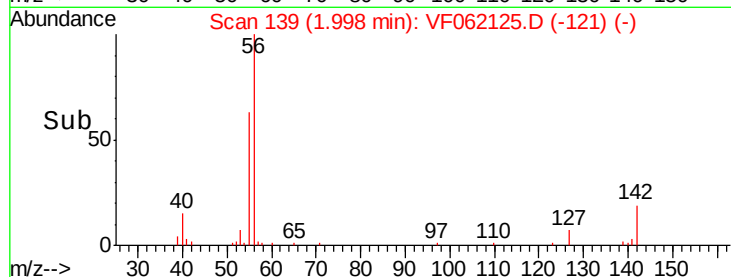
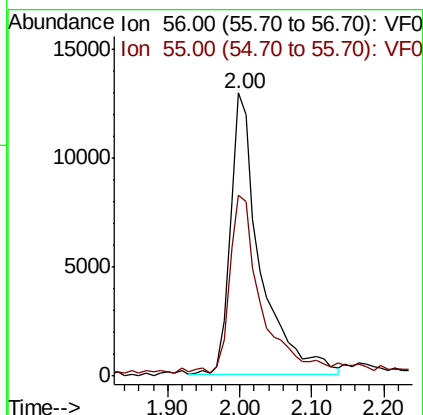
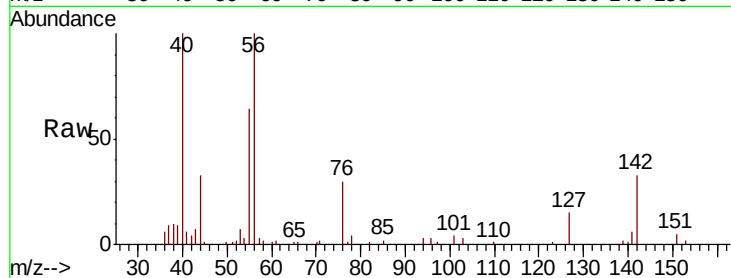




#13
Acrolein
Concen: 295.105 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

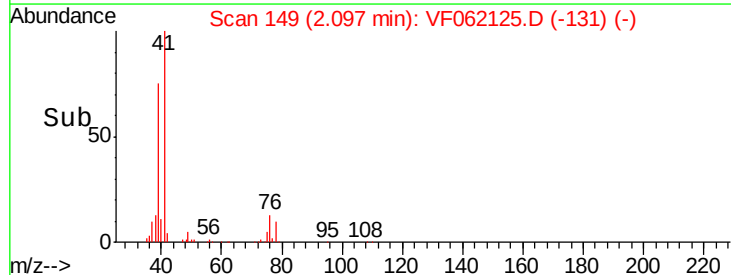
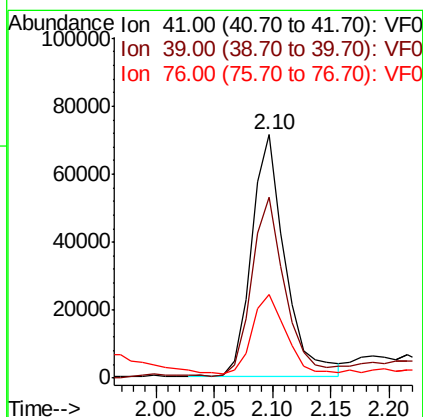
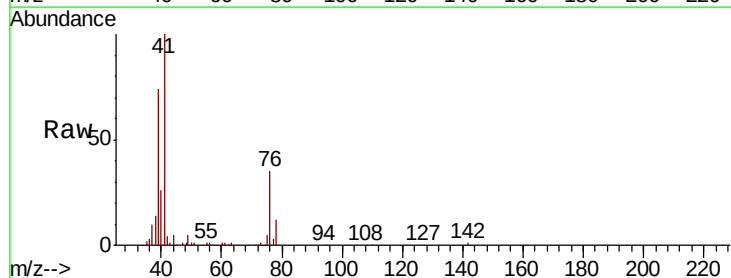
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

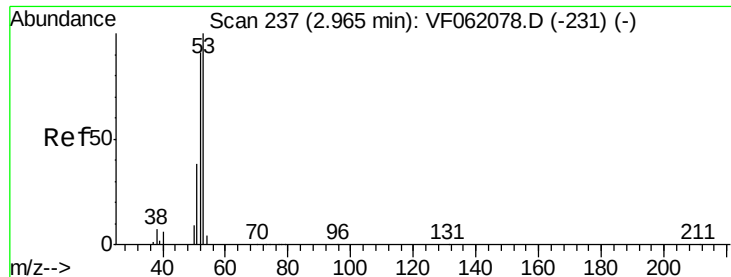
Tot Ion: 56 Resp: 36822
Ion Ratio Lower Upper
56 100
55 63.8 49.0 73.4



#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





#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 :

VSTDCCC050EC

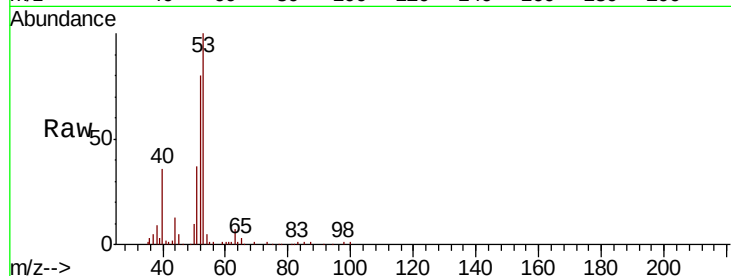
Tot Ion: 53 Resp: 94998

Ion Ratio Lower Upper

53 100

52 80.4 72.3 108.5

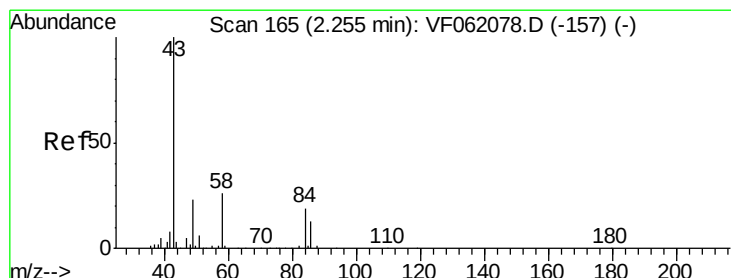
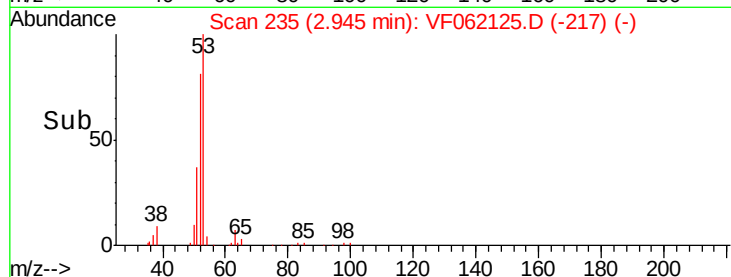
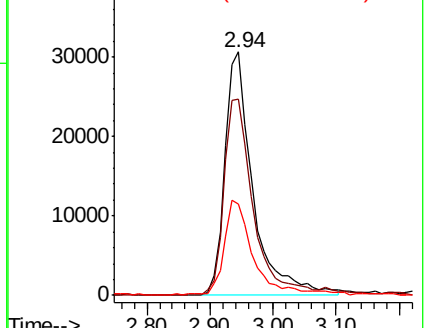
51 37.2 30.4 45.6



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

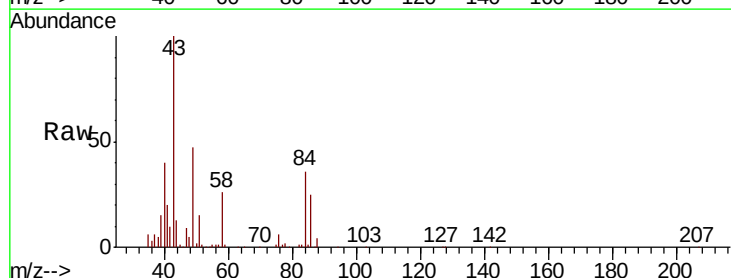
Acq: 23 Mar 2019 19:28

Tgt Ion: 43 Resp: 98866

Ion Ratio Lower Upper

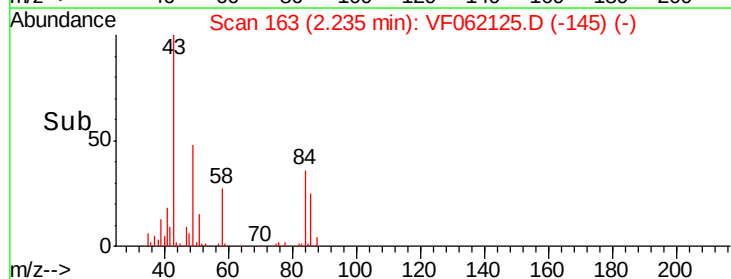
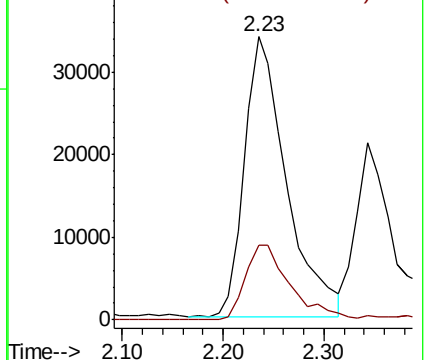
43 100

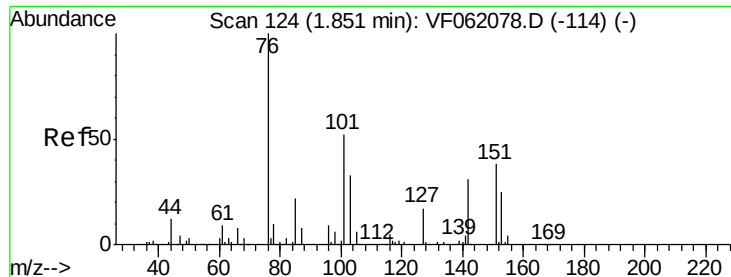
58 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

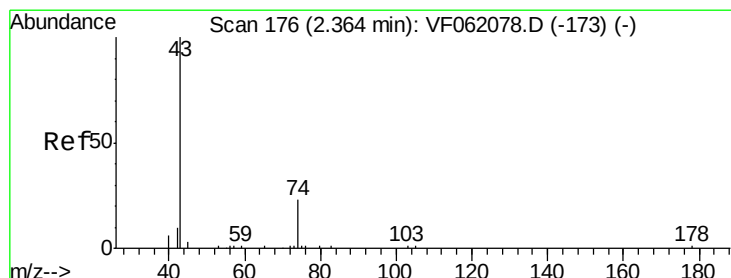
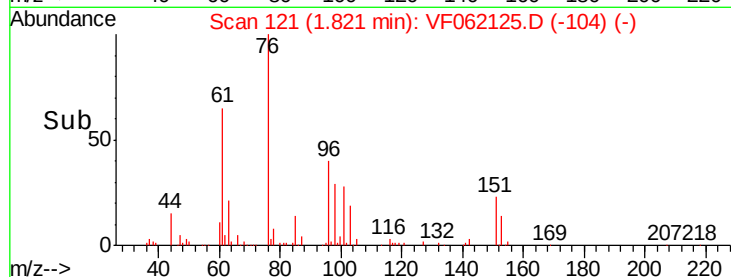
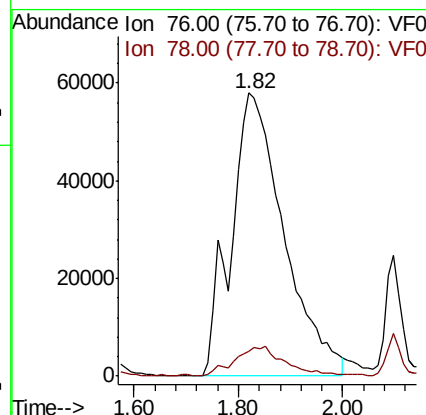
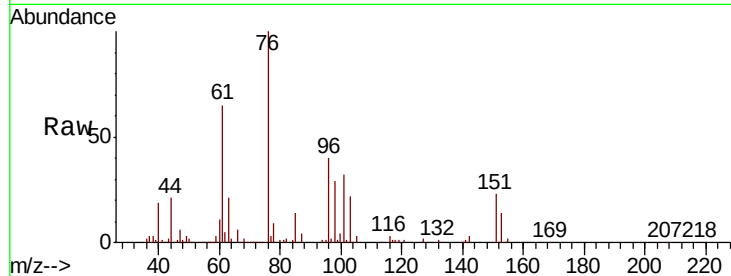




#17
Carbon Disulfide
Concen: 54.114 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

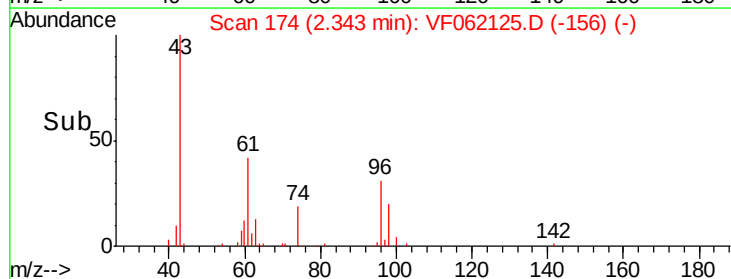
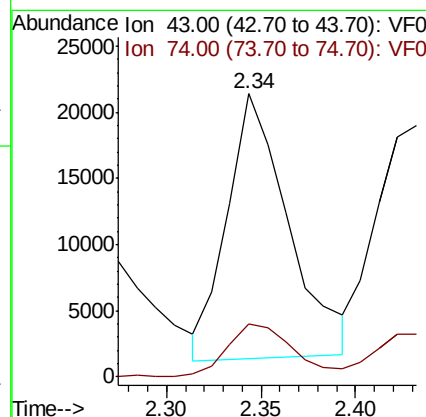
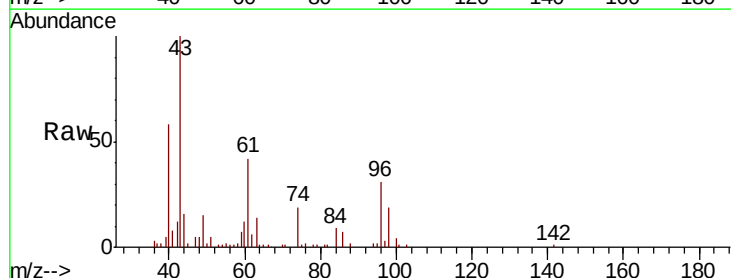
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

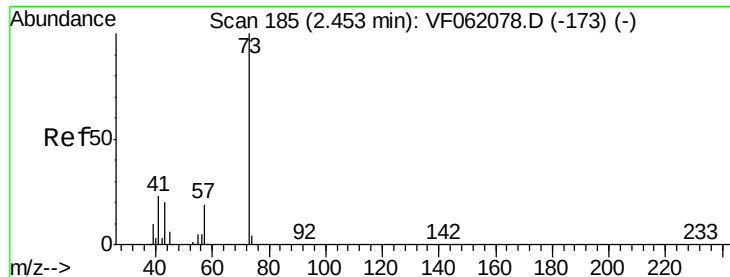
Tot Ion: 76 Resp: 403283
Ion Ratio Lower Upper
76 100
78 8.9 7.9 11.9



#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

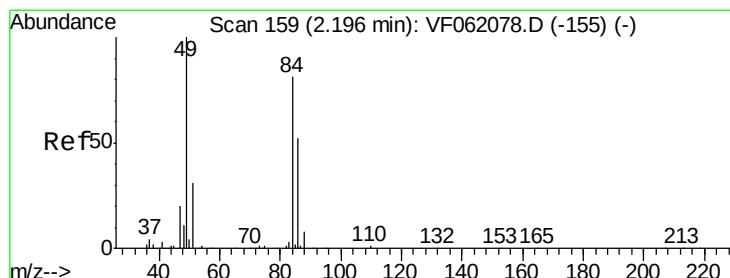
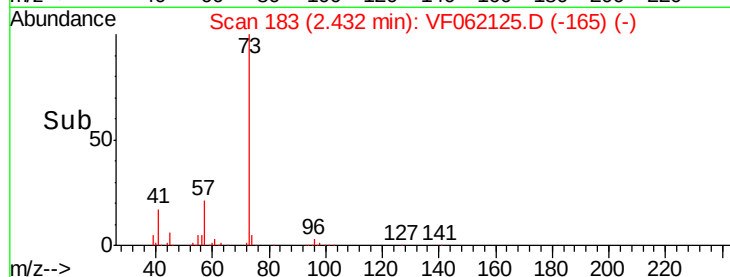
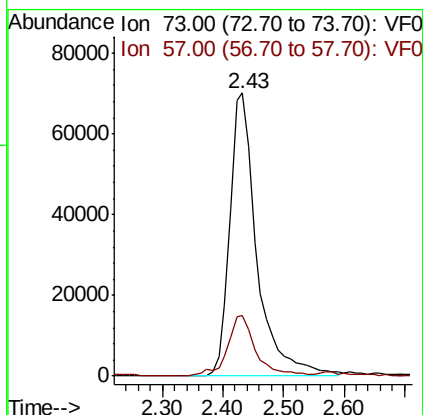
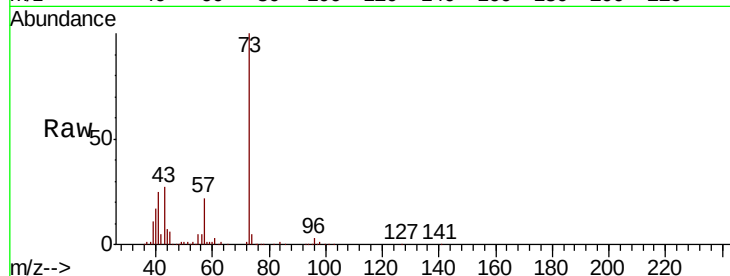




#19
Methyl tert-butyl Ether
Concen: 56.596 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

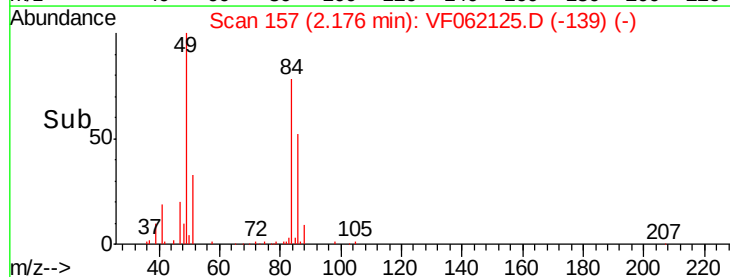
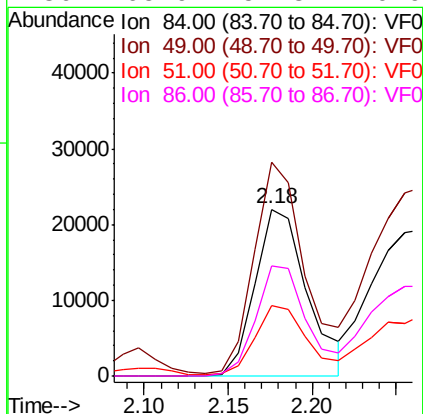
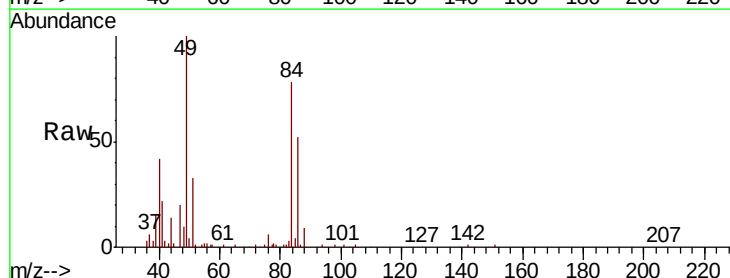
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

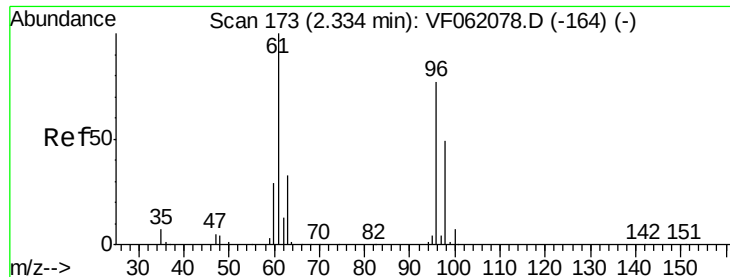
Tot Ion: 73 Resp: 218609
Ion Ratio Lower Upper
73 100
57 21.6 15.1 22.7



#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 :

VSTDCCC050EC

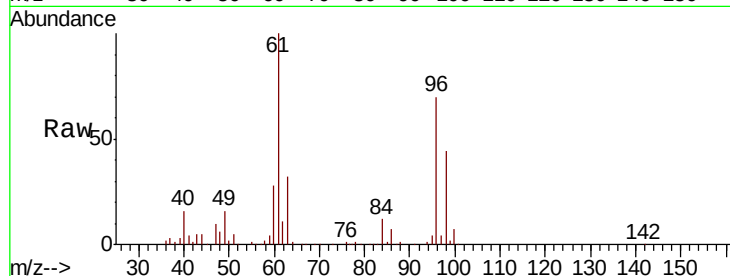
Tot Ion: 96 Resp: 137141

Ion Ratio Lower Upper

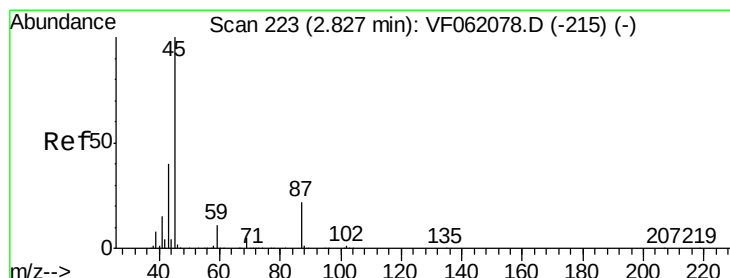
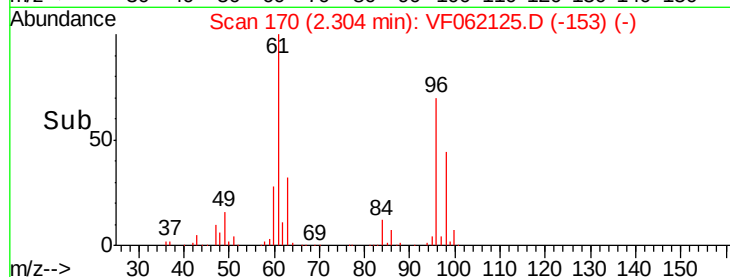
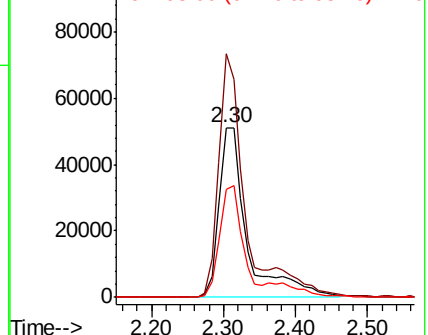
96 100

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

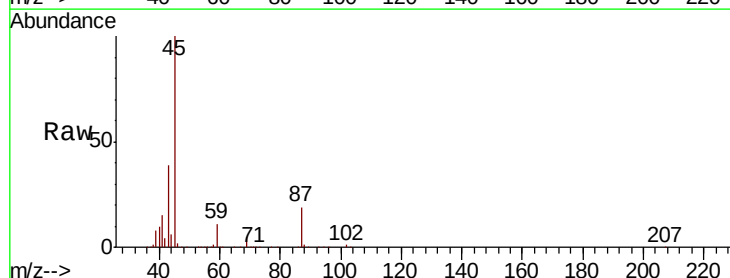
Ion Ratio Lower Upper

45 100

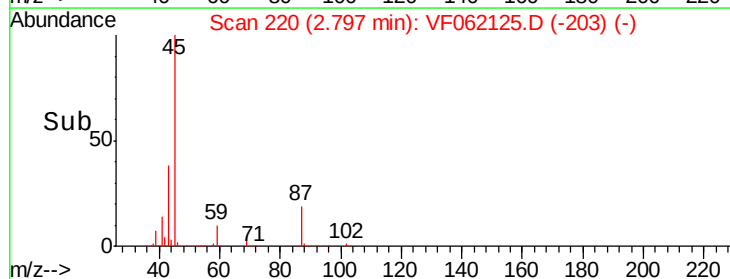
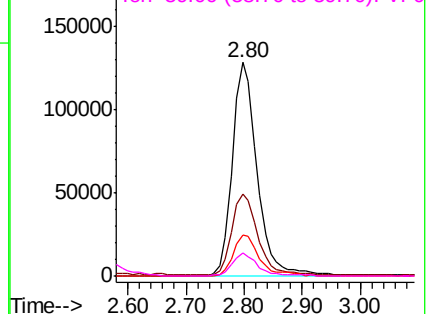
43 38.6 32.5 48.7

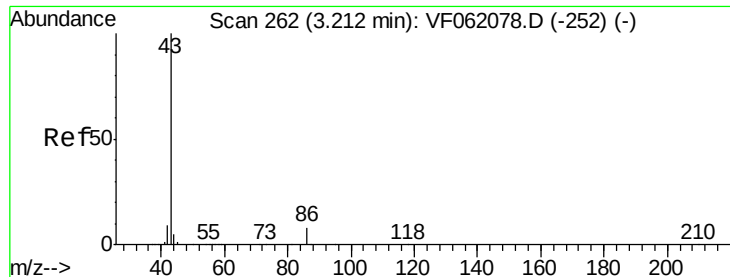
87 18.9 17.4 26.2

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 :

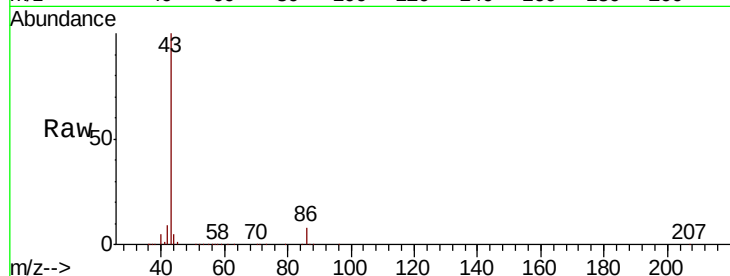
VSTDCCC050EC

Tot Ion: 43 Resp: 817042

Ion Ratio Lower Upper

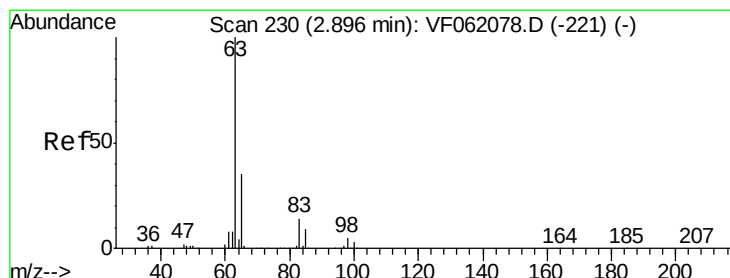
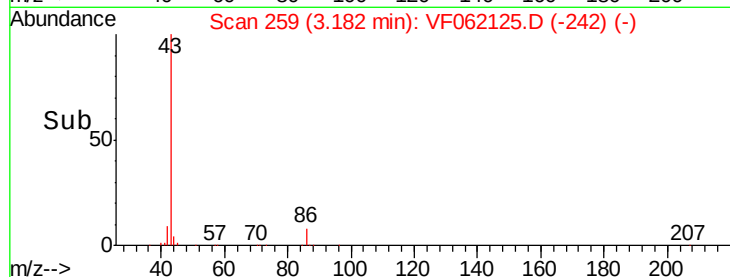
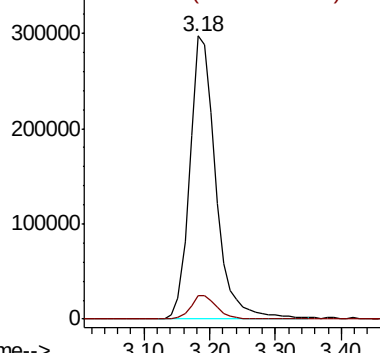
43 100

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

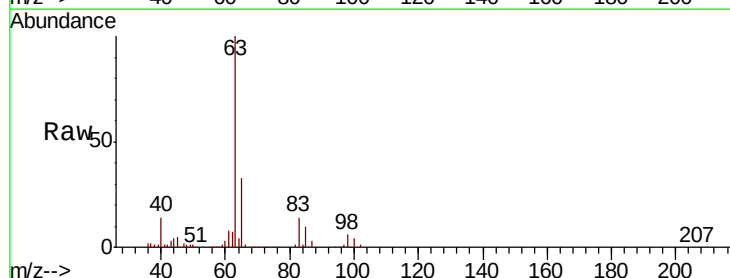
Tgt Ion: 63 Resp: 223700

Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

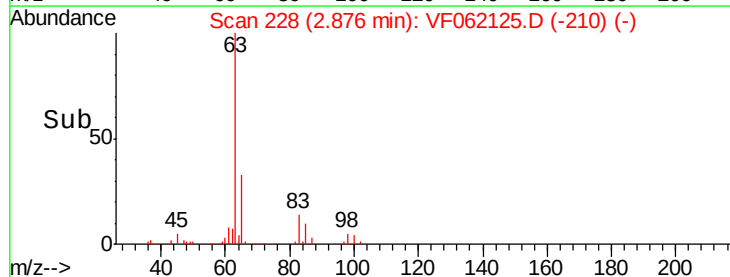
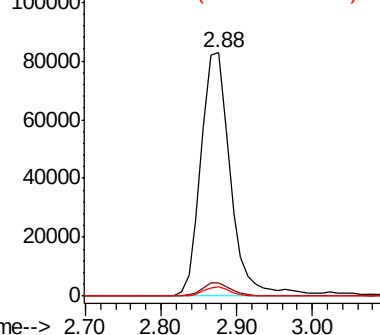
100 3.7 1.7 5.1

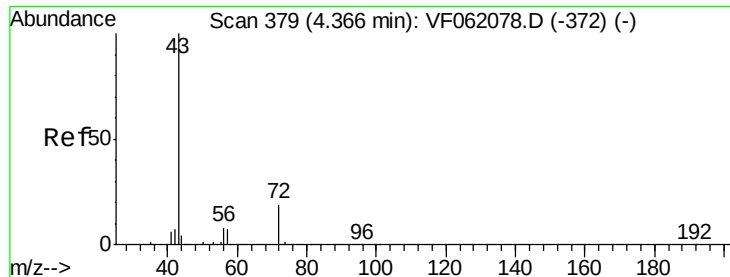


Abundance Ion 63.00 (62.70 to 63.70): VF0

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 :

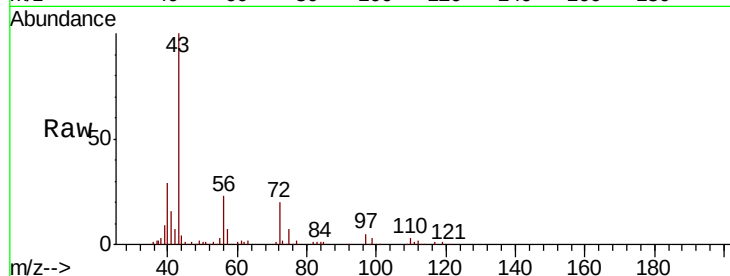
VSTDCCC050EC

Tot Ion: 43 Resp: 222821

Ion Ratio Lower Upper

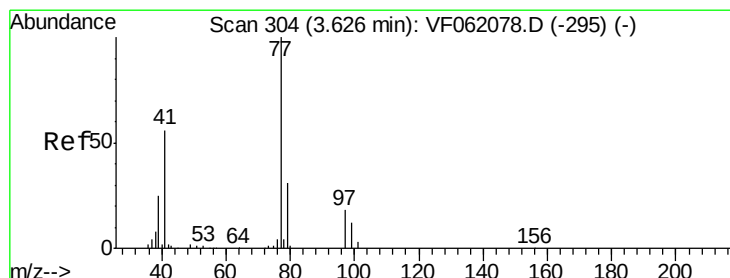
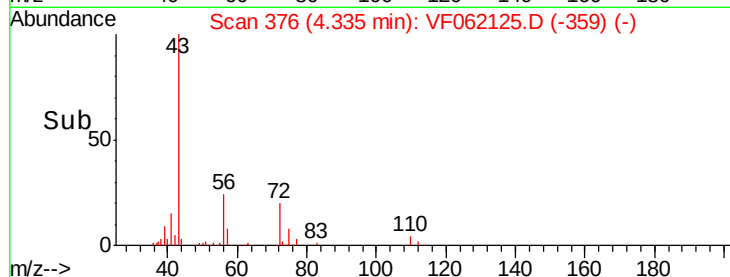
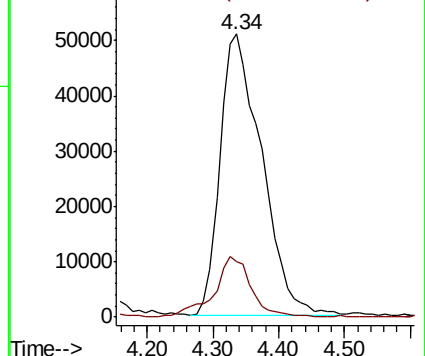
43 100

72 19.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#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

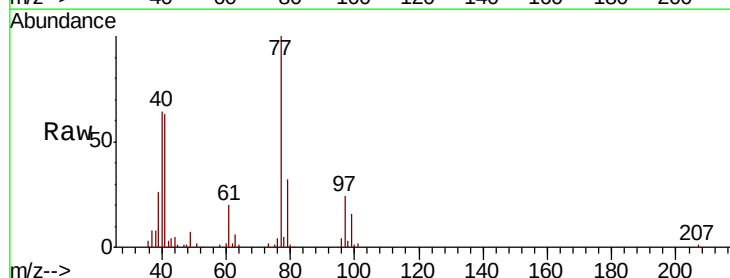
Acq: 23 Mar 2019 19:28

Tgt Ion: 77 Resp: 85590

Ion Ratio Lower Upper

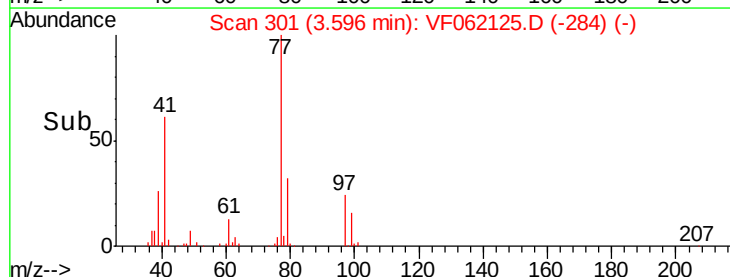
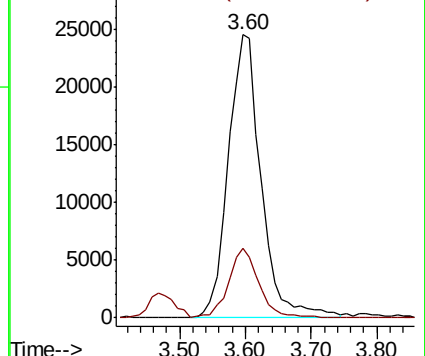
77 100

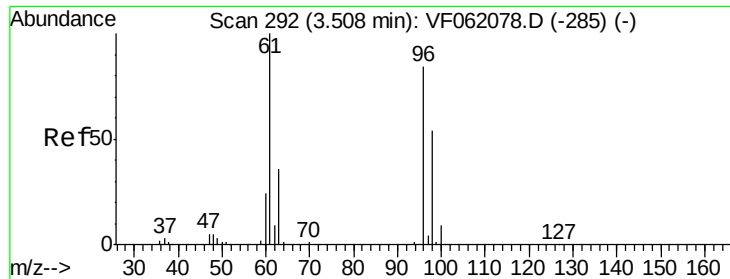
97 24.4 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



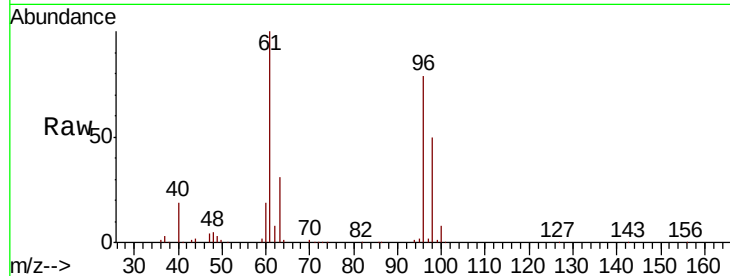


#27

cis-1,2-Dichloroethene
 Concen: 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 :
 VSTDCCC050EC

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

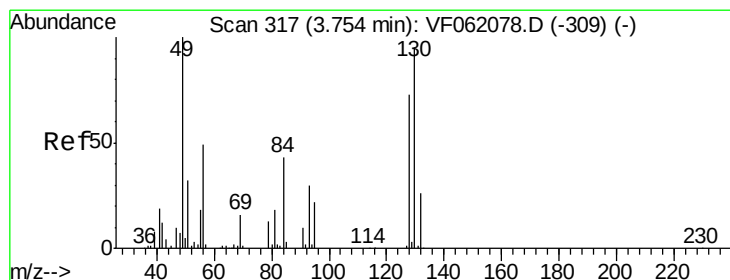
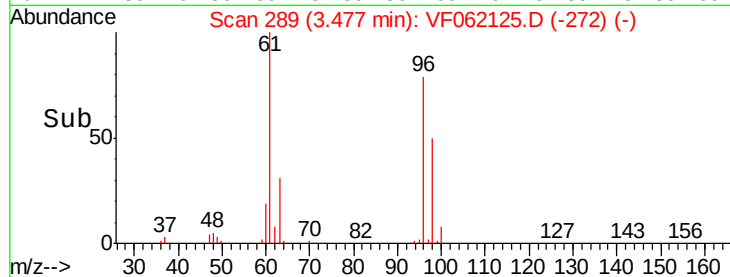
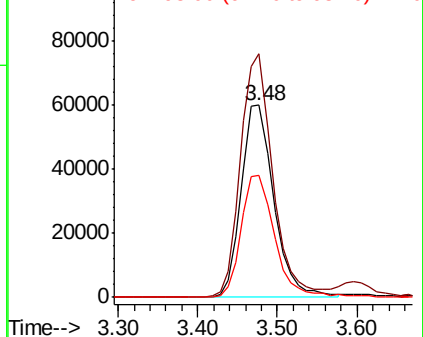


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

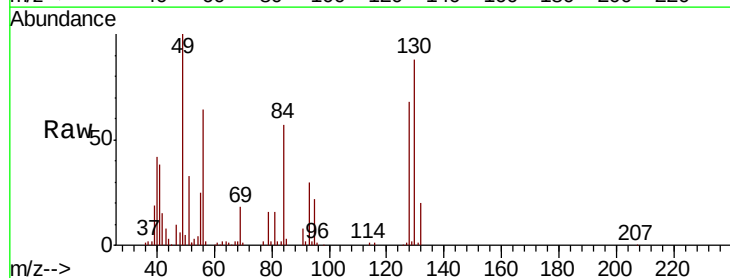
Ion 98.00 (97.70 to 98.70): VF0



#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	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.6
130	87.5	75.5	113.3

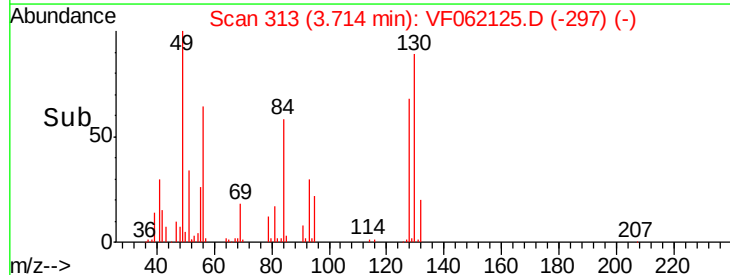
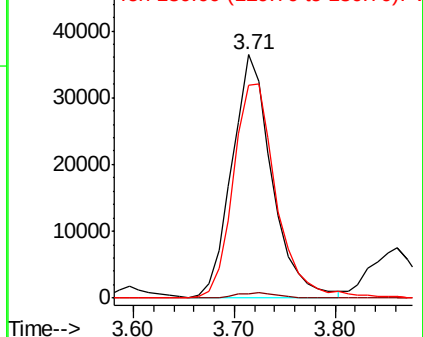


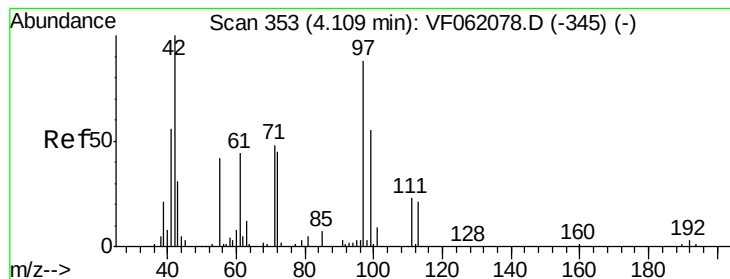
Abundance

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 :

VSTDCCC050EC

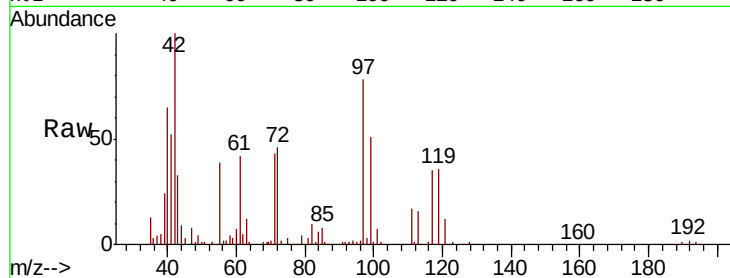
Tot Ion: 42 Resp: 98653

Ion Ratio Lower Upper

42 100

72 40.5 33.3 49.9

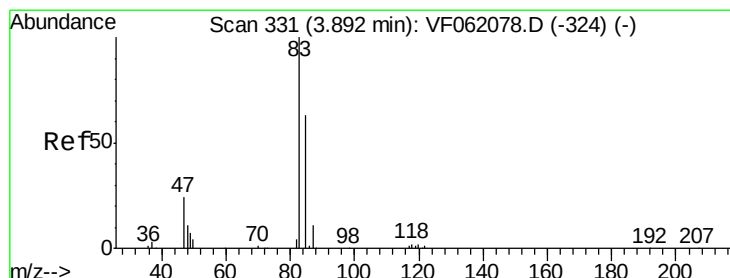
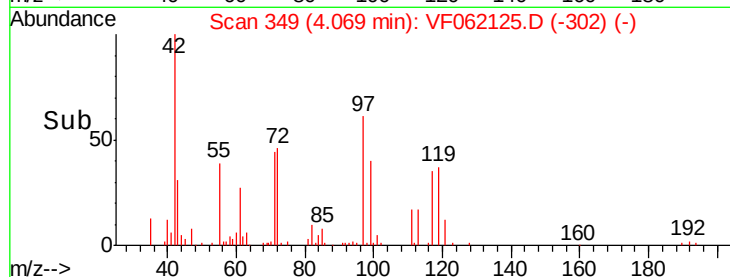
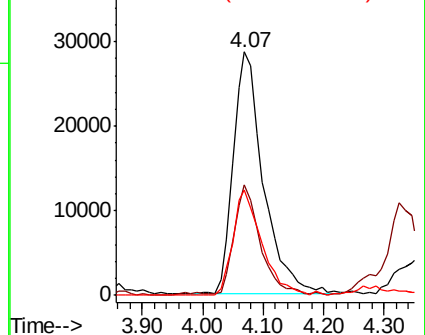
71 41.6 35.0 52.4



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

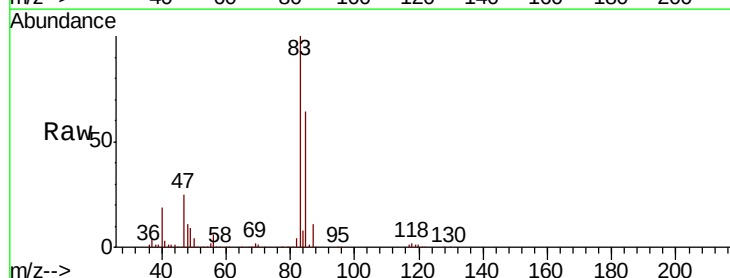
Acq: 23 Mar 2019 19:28

Tgt Ion: 83 Resp: 244005

Ion Ratio Lower Upper

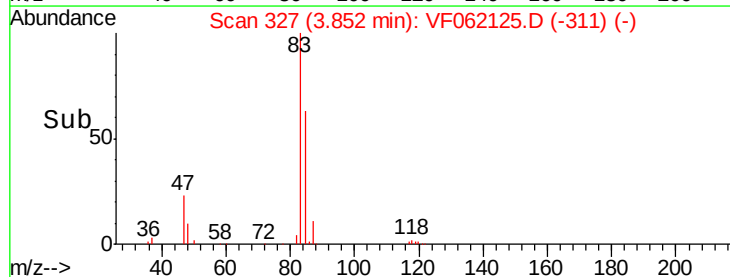
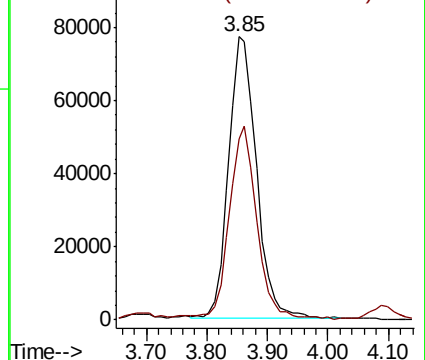
83 100

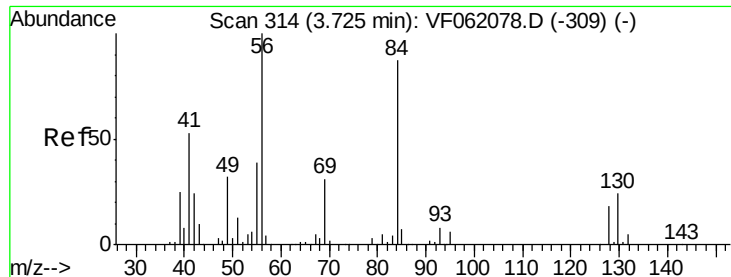
85 63.7 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

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

ClientSampleId :

VSTDCCC050EC

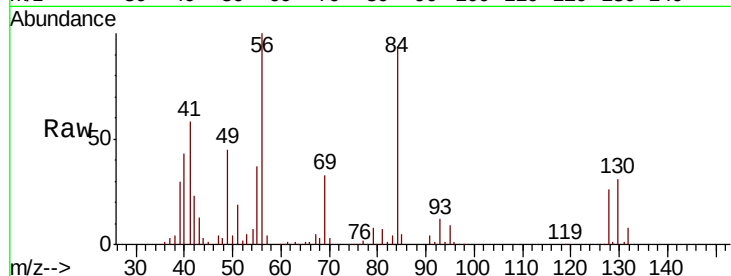
Tot Ion: 56 Resp: 135285

Ion Ratio Lower Upper

56 100

69 32.6 25.9 38.9

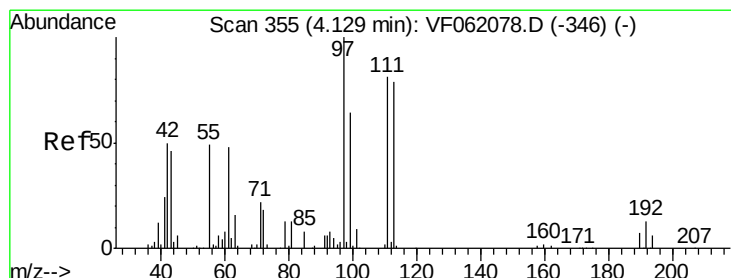
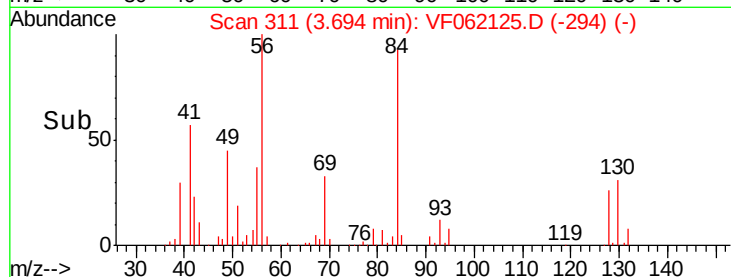
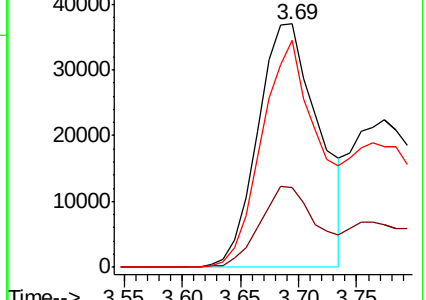
84 93.4 71.1 106.7



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

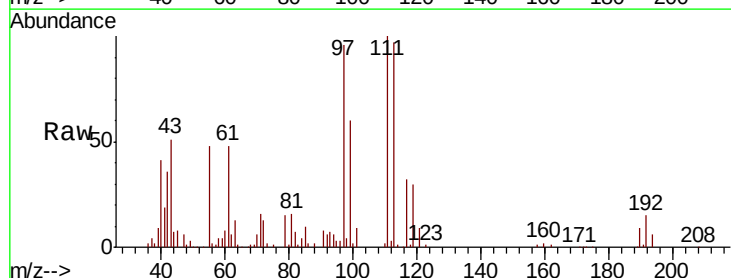
Tgt Ion: 97 Resp: 141156

Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

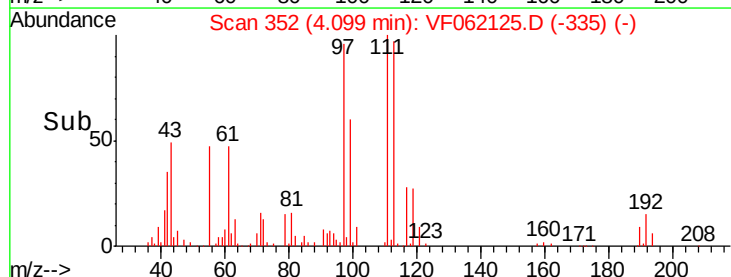
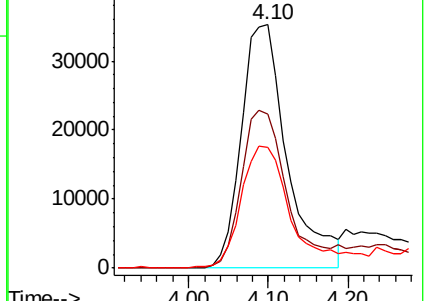
61 49.7 39.0 58.6

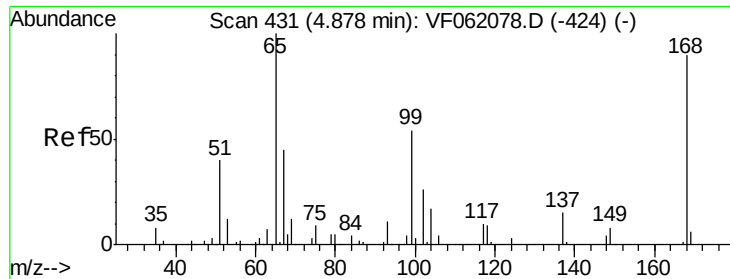


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

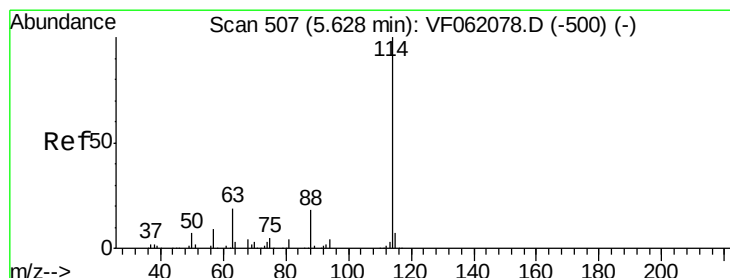
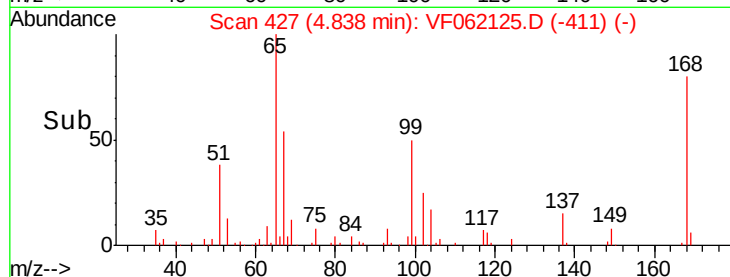
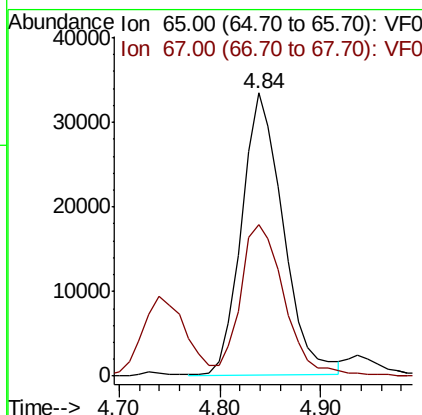
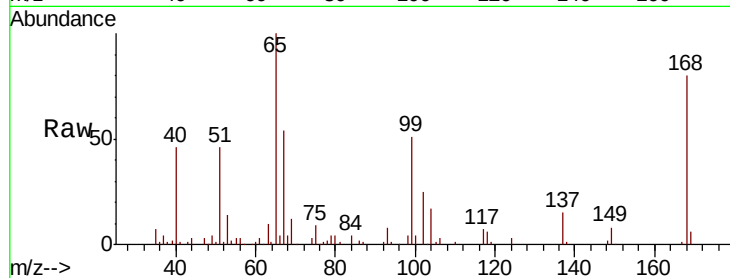




#33
 1,2-Dichloroethane-d4
 Concen: 50.854 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

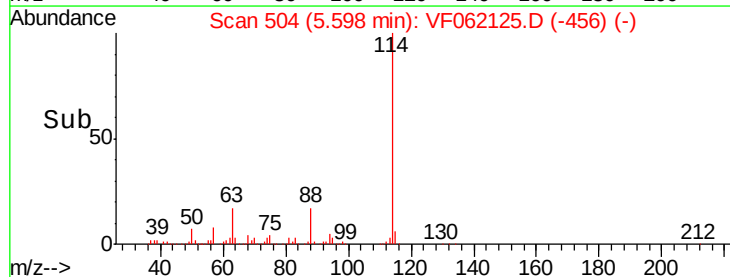
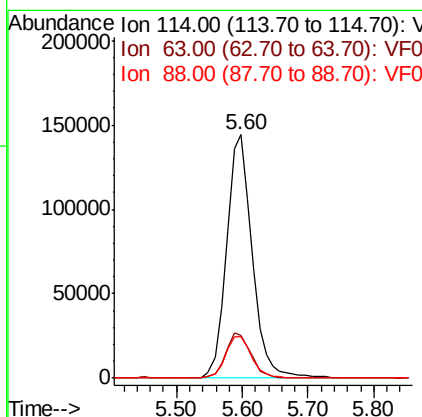
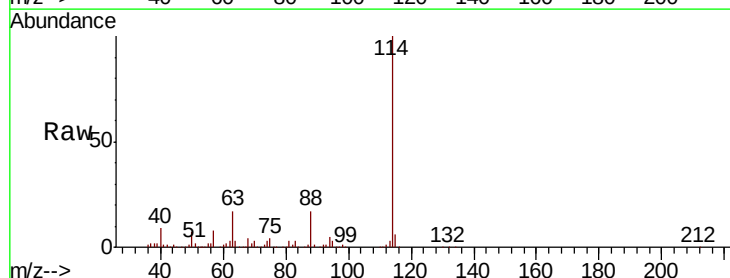
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

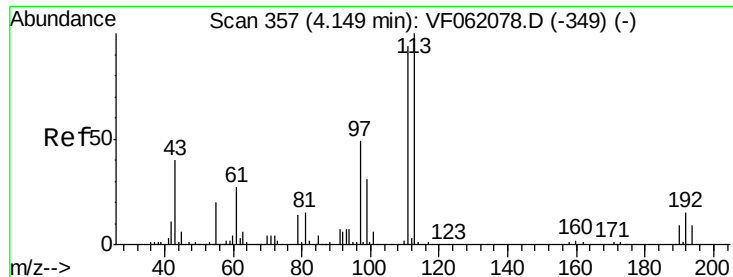
Tot Ion: 65 Resp: 95904
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#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

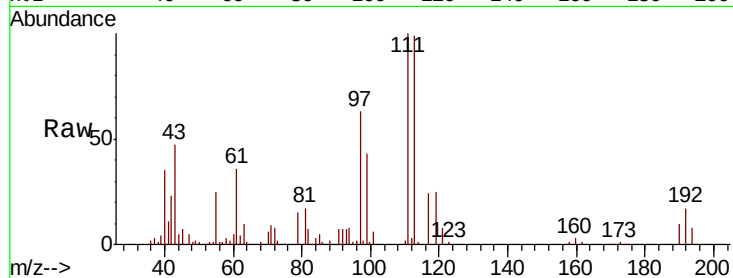




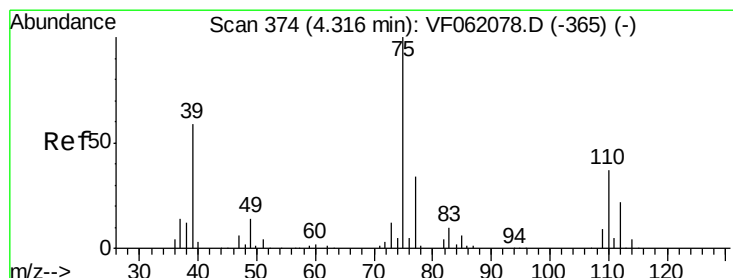
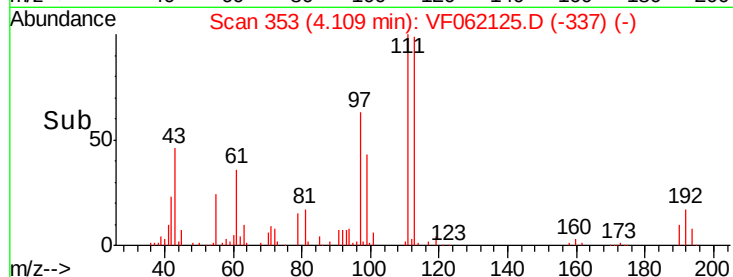
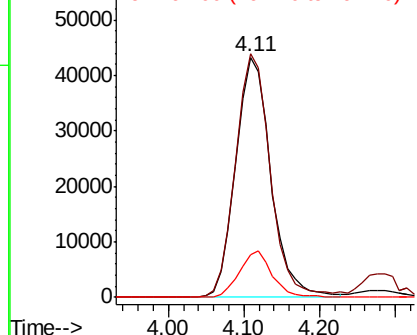
#35
 Dibromofluoromethane
 Concen: 52.369 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

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

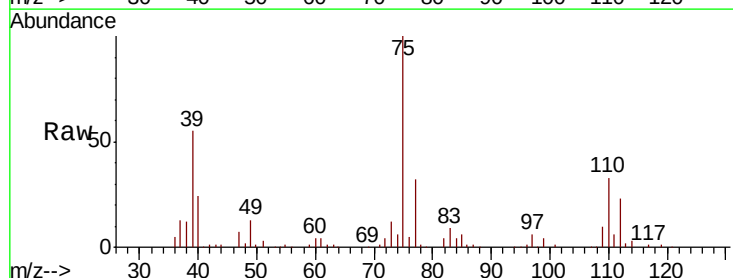


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

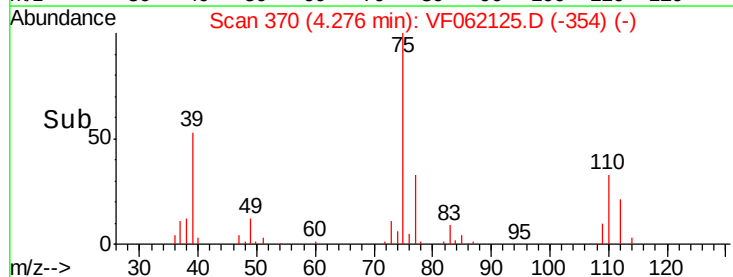
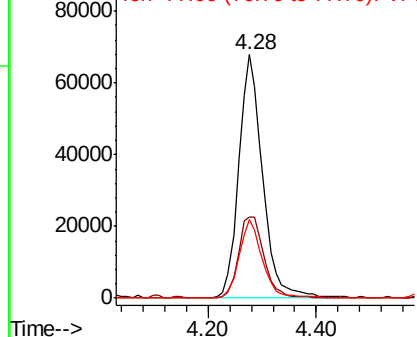


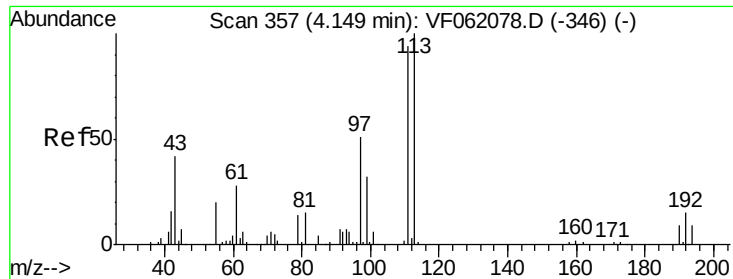
#36
 1,1-Dichloropropene
 Concen: 55.821 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

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

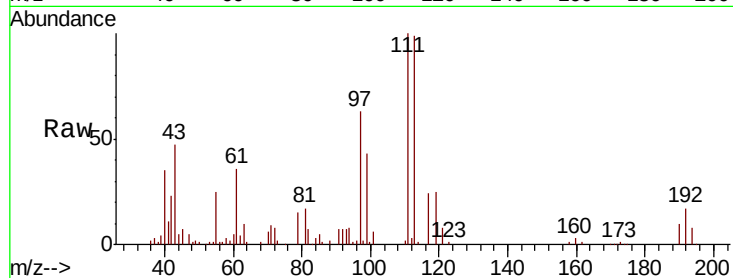




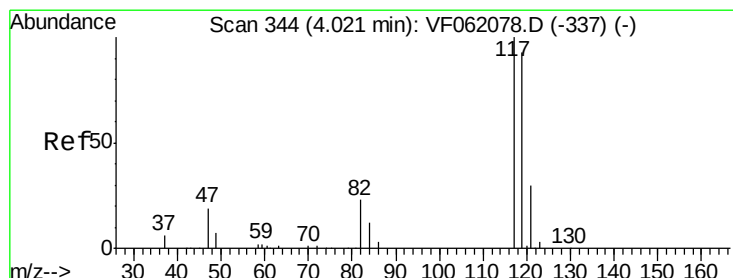
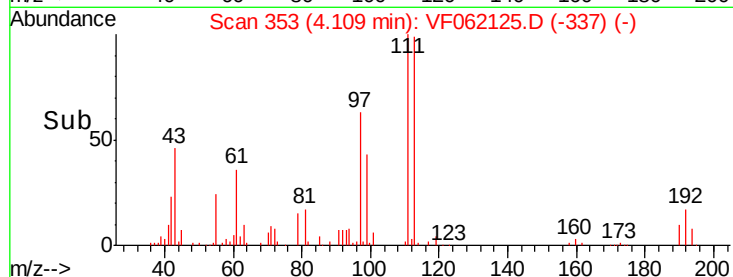
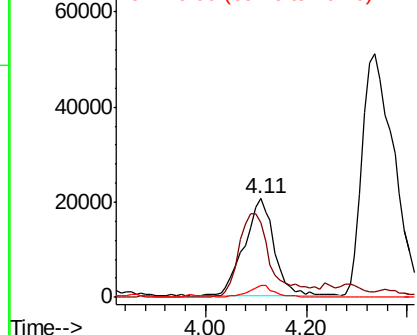
#37
Ethyl Acetate
Concen: 51.545 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

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

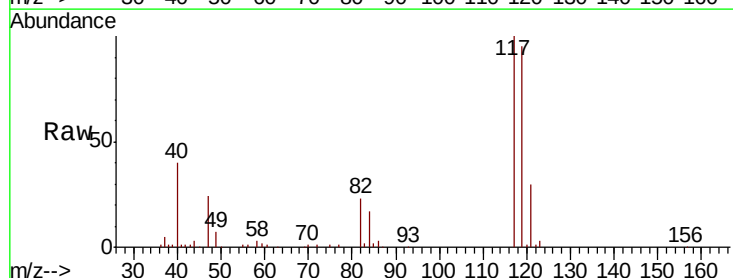


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

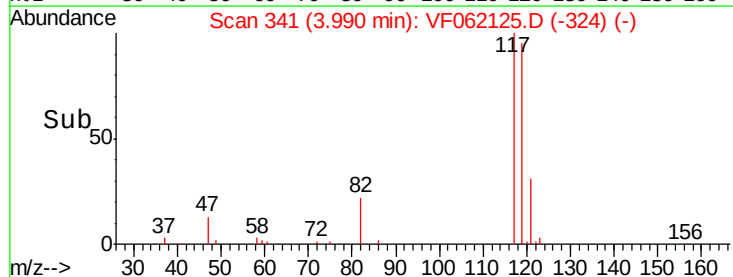
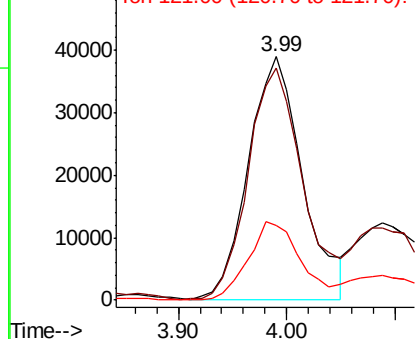


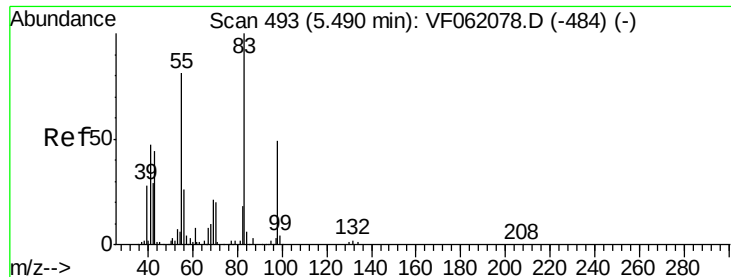
#38
Carbon Tetrachloride
Concen: 52.954 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

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

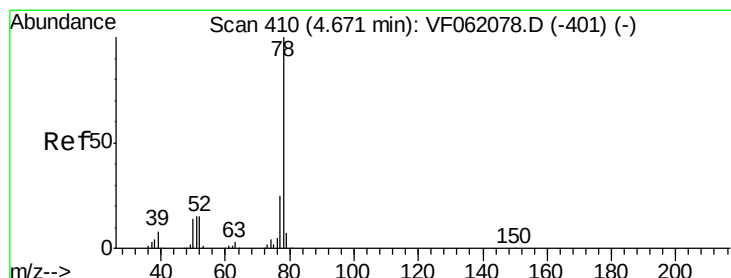
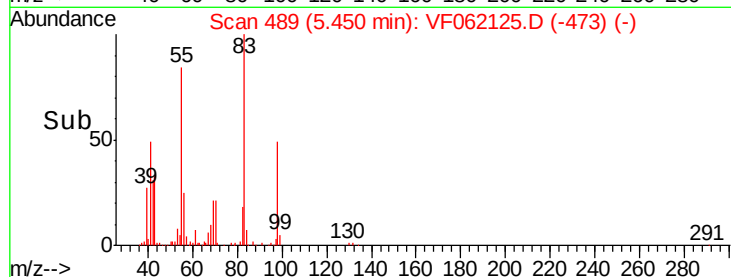
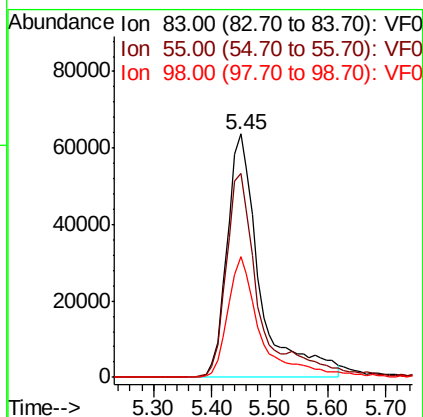
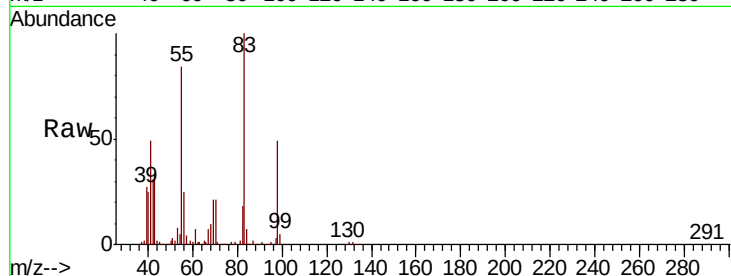




#39
Methylvlcyclohexane
Concen: 57.502 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

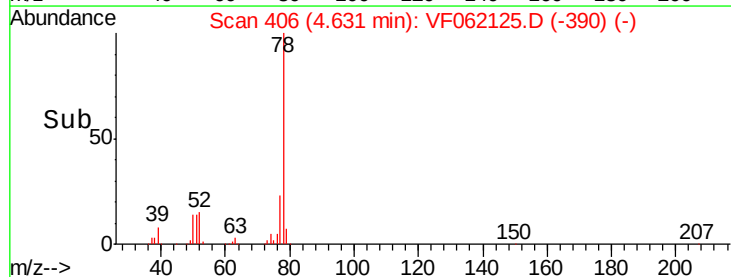
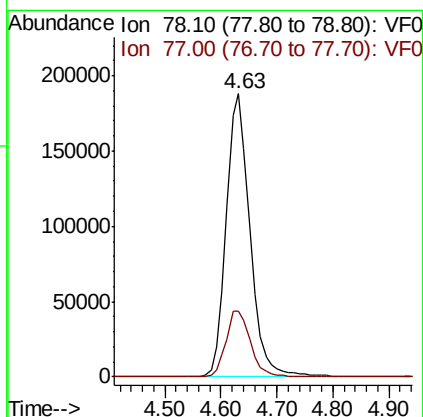
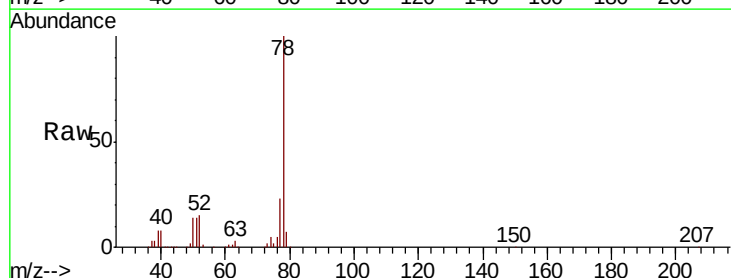
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

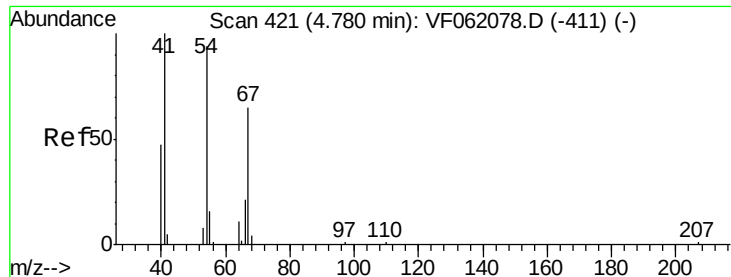
Tot Ion	83.00	Resp	250197
Ion	Ratio	Lower	Upper
83	100		
55	83.8	64.5	96.7
98	49.4	39.1	58.7



#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

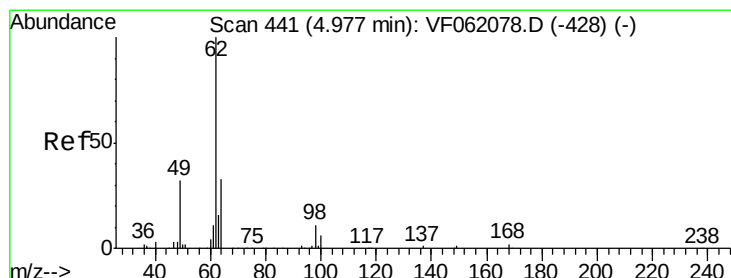
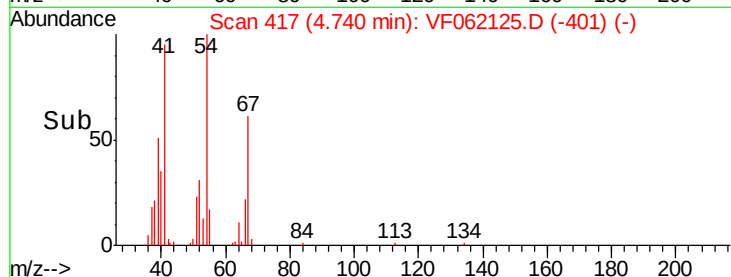
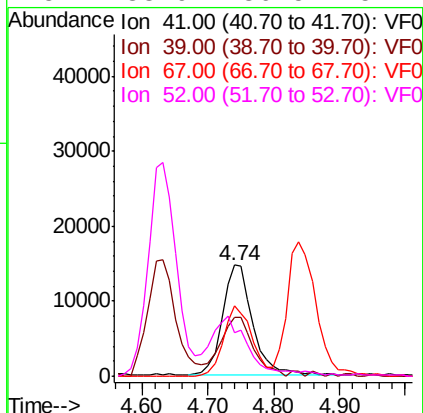
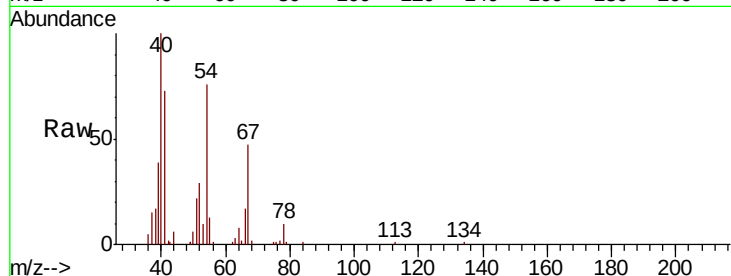




#41
Methacrylonitrile
Concen: 54.211 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

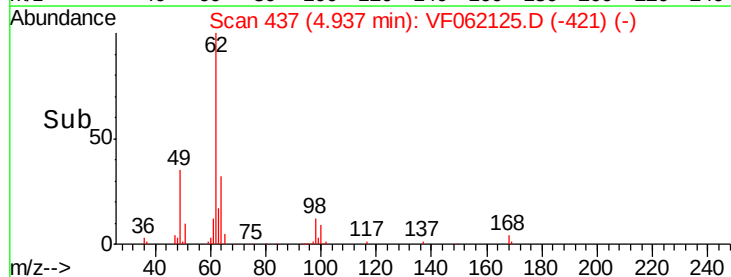
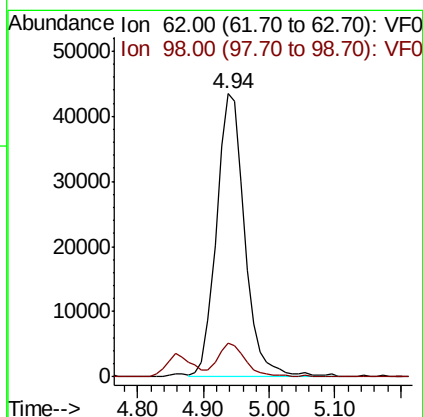
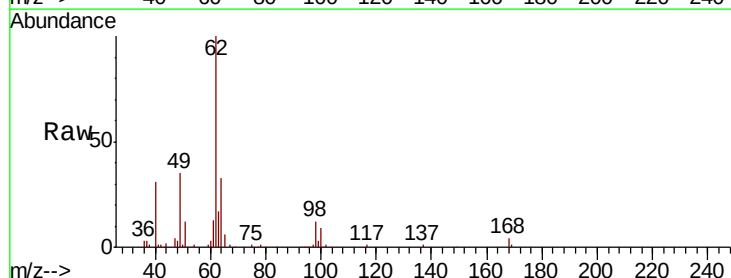
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

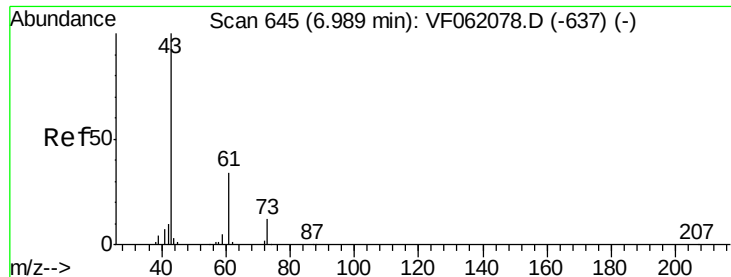
Tot Ion:	41	Resp:	46996
Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.5	65.3
67	63.4	51.6	77.4
52	38.9	36.5	54.7



#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 :

VSTDCCC050EC

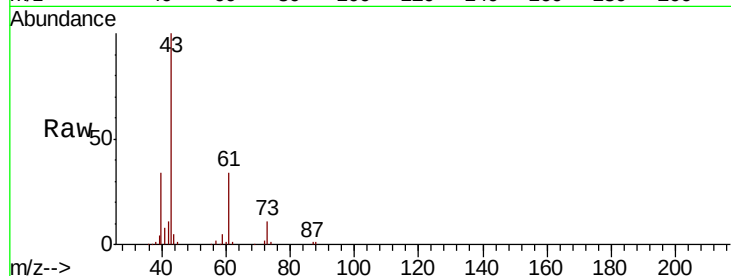
Tot Ion: 43 Resp: 102826

Ion Ratio Lower Upper

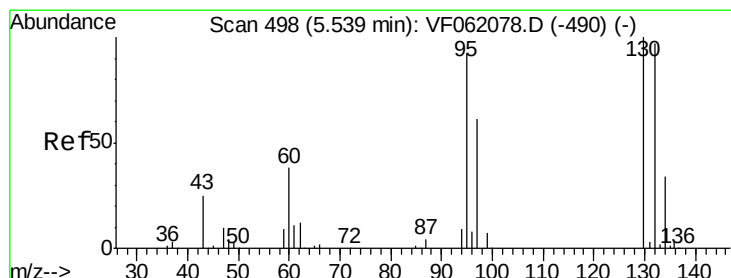
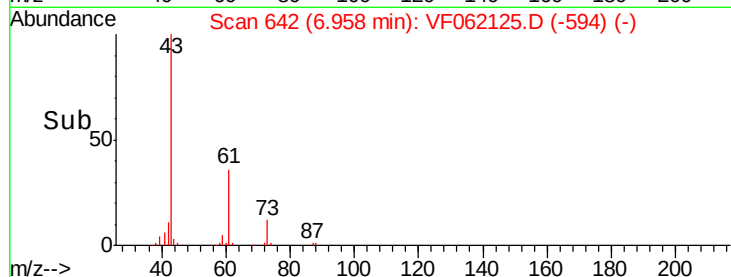
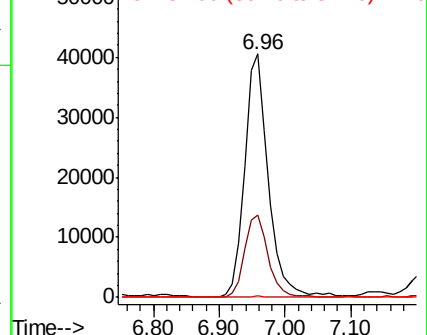
43 100

61 34.0 27.0 40.4

87 0.5 0.4 0.6



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



#44

Trichloroethene

Concen: 53.805 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.04 min

Lab File: VF062125.D

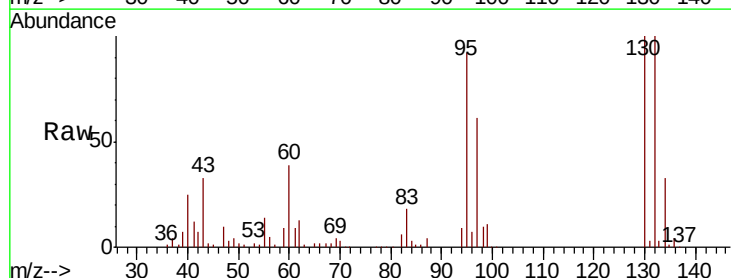
Acq: 23 Mar 2019 19:28

Tgt Ion:130 Resp: 165327

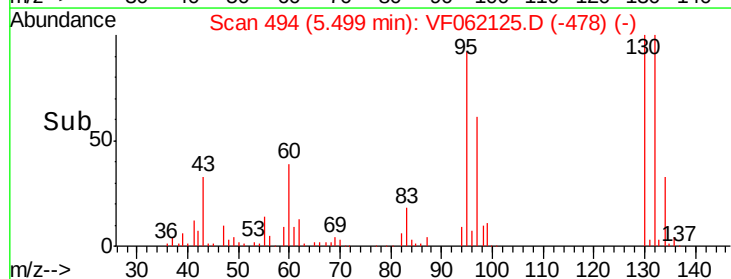
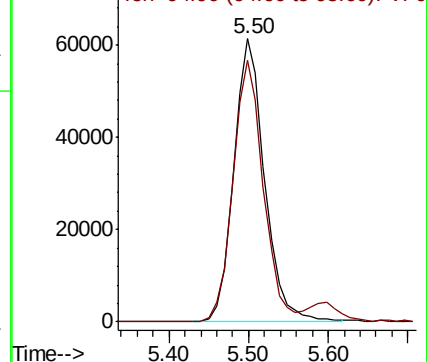
Ion Ratio Lower Upper

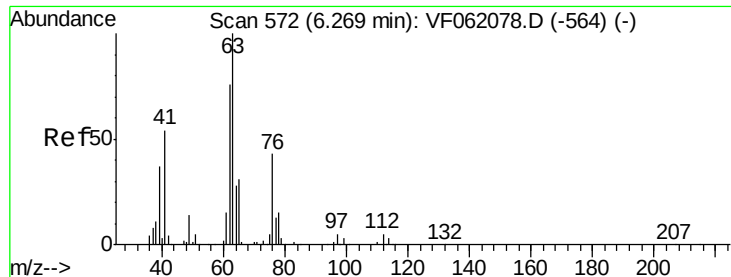
130 100

95 92.3 0.0 183.4



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

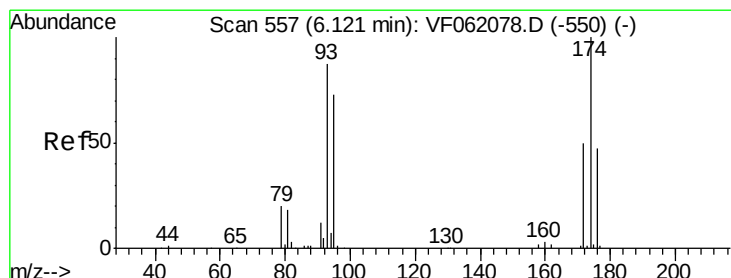
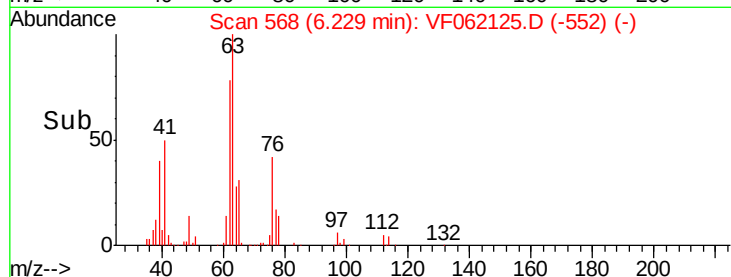
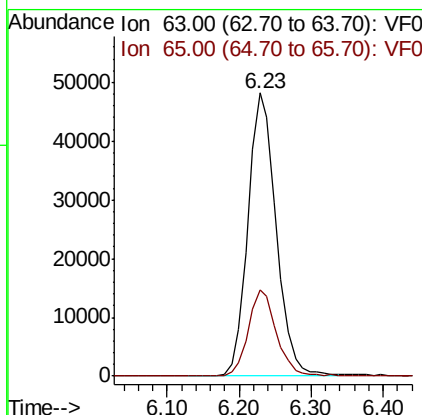
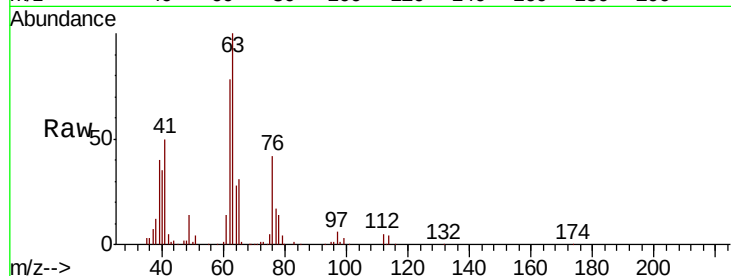




#45
 1,2-Dichloropropane
 Concen: 54.962 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.04 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

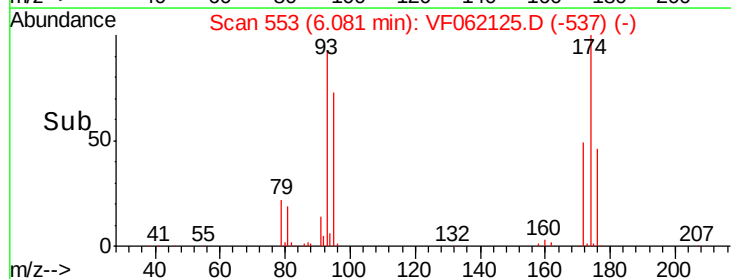
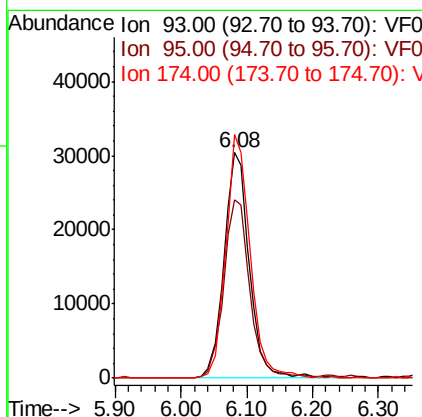
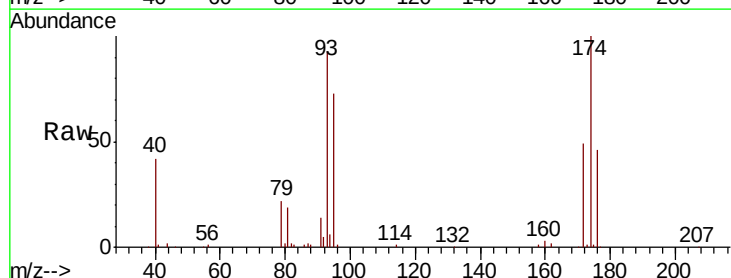
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

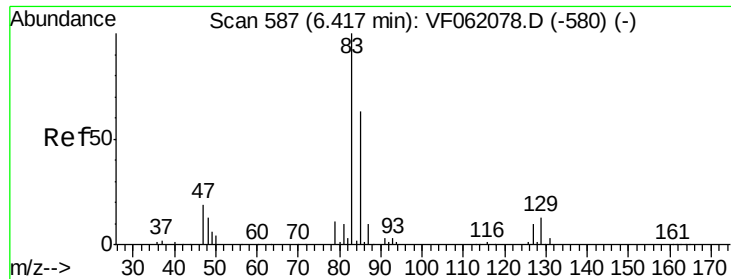
Tot Ion: 63 Resp: 131749
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3



#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 :

VSTDCCC050EC

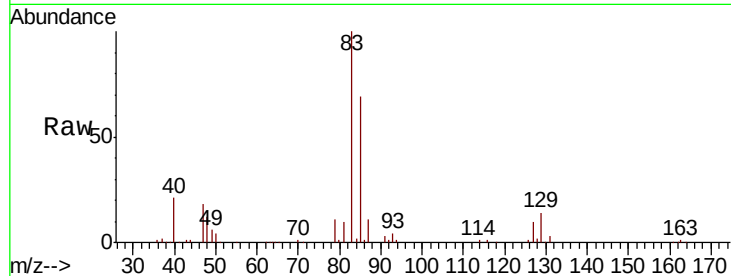
Tot Ion: 83 Resp: 182386

Ion Ratio Lower Upper

83 100

85 68.5 50.7 76.1

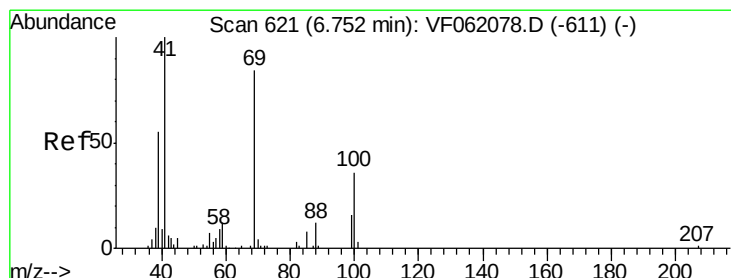
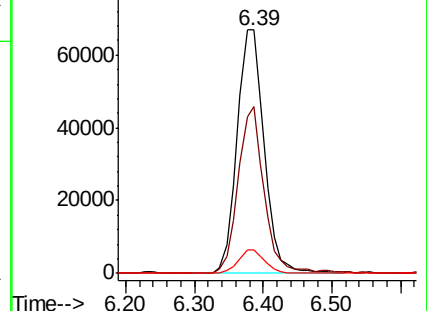
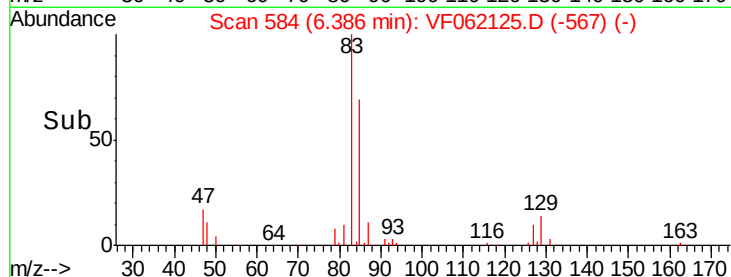
127 9.5 7.8 11.6



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

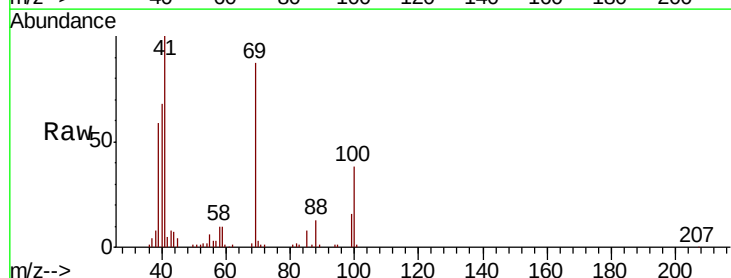
Tgt Ion: 41 Resp: 62336

Ion Ratio Lower Upper

41 100

69 87.2 66.6 100.0

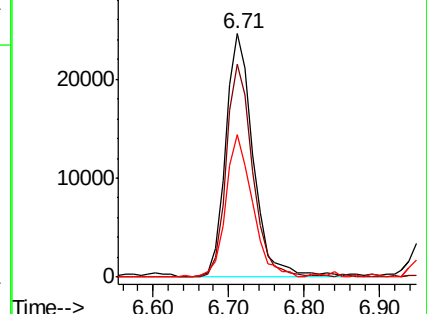
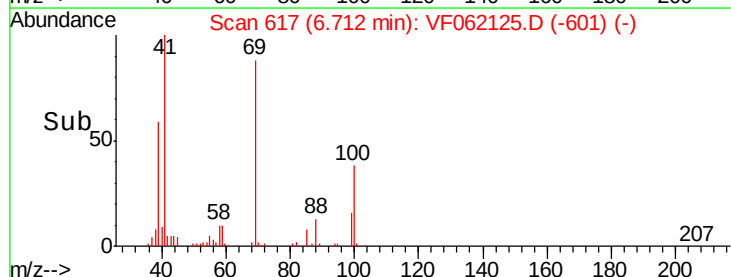
39 58.7 43.6 65.4

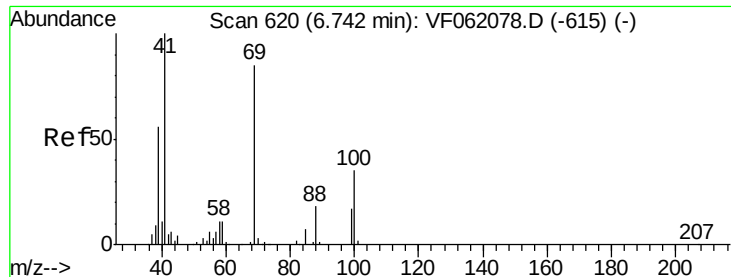


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

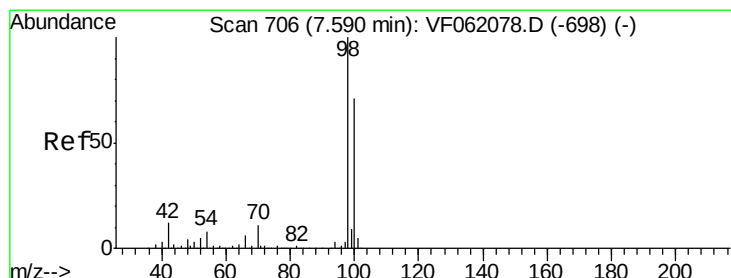
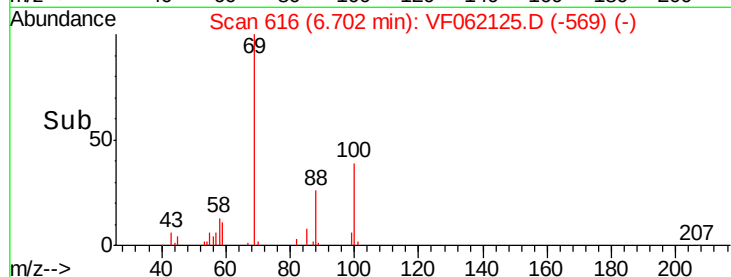
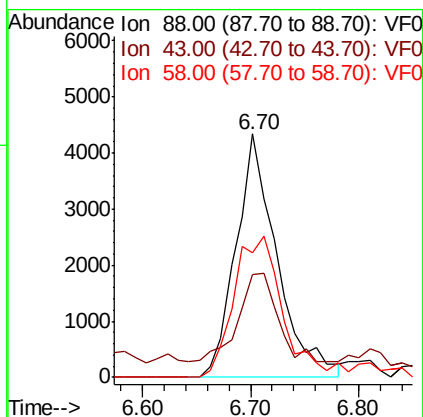
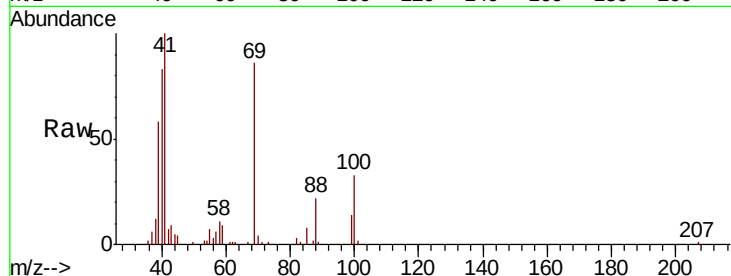




#49
1,4-Dioxane
Concen: 1159.963 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

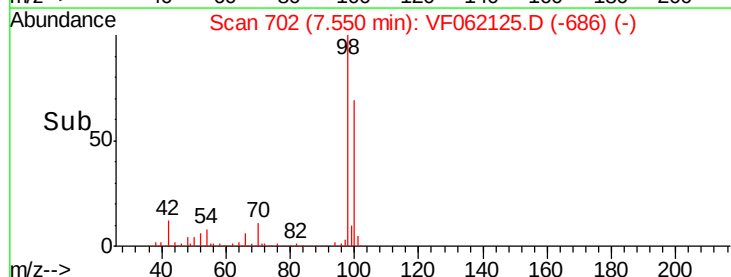
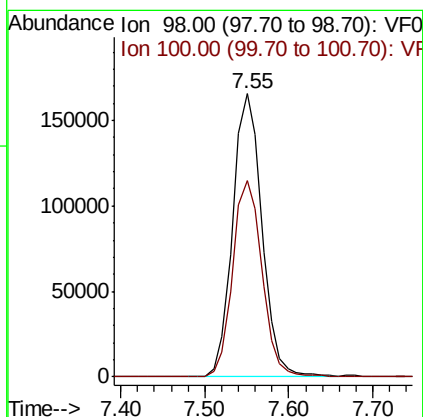
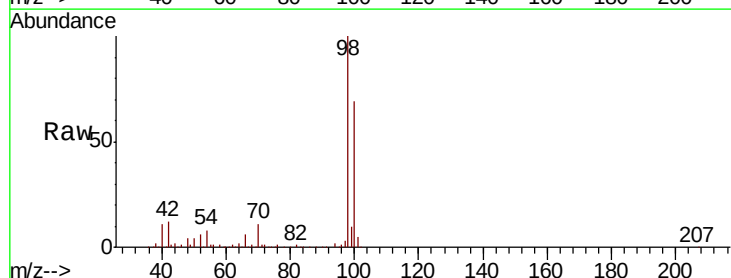
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

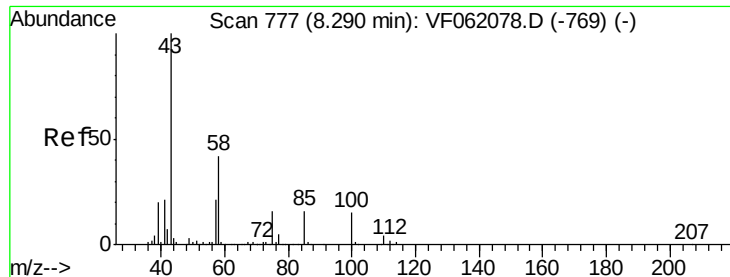
Tot Ion: 88 Resp: 11499
Ion Ratio Lower Upper
88 100
43 42.3 35.0 52.4
58 51.4 49.9 74.9



#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





#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 :

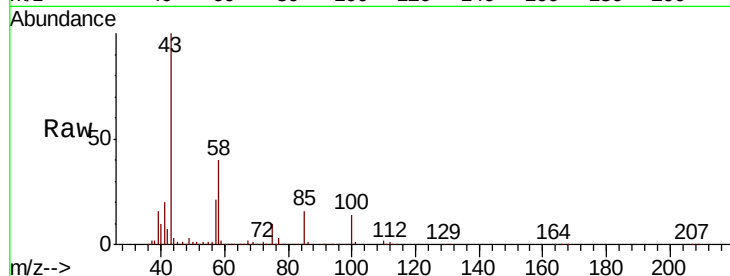
VSTDCCC050EC

Tot Ion: 43 Resp: 355488

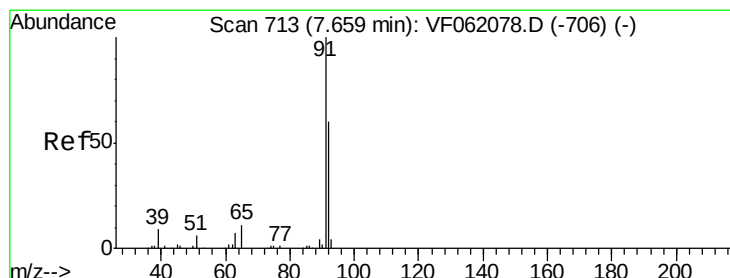
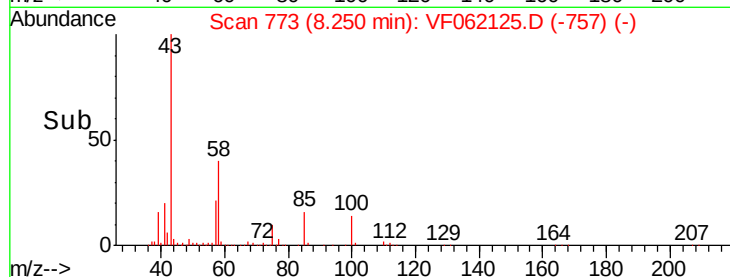
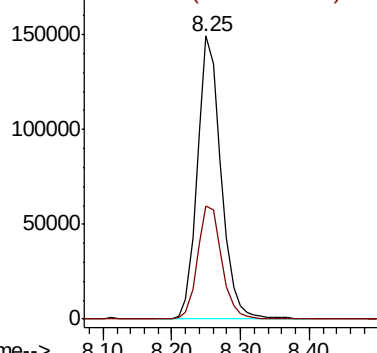
Ion Ratio Lower Upper

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



#52

Toluene

Concen: 57.922 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062125.D

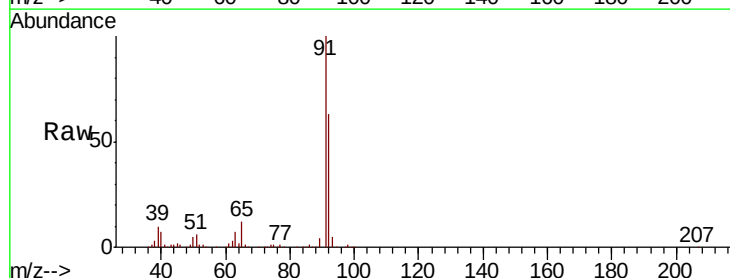
Acq: 23 Mar 2019 19:28

Tgt Ion: 92 Resp: 337178

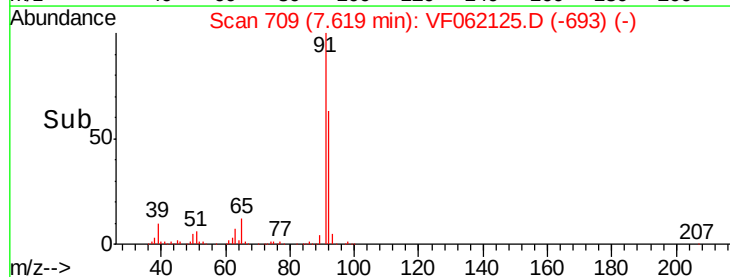
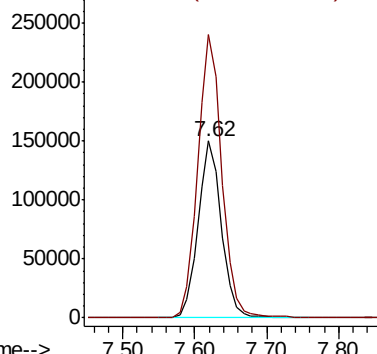
Ion Ratio Lower Upper

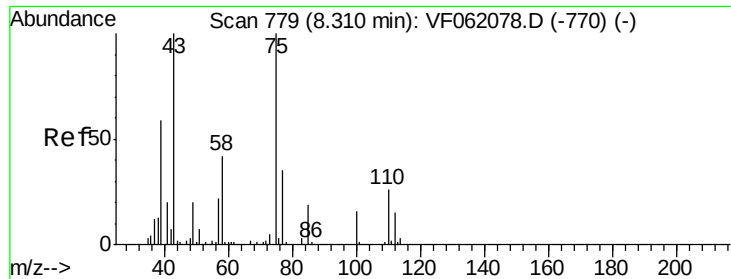
92 100

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

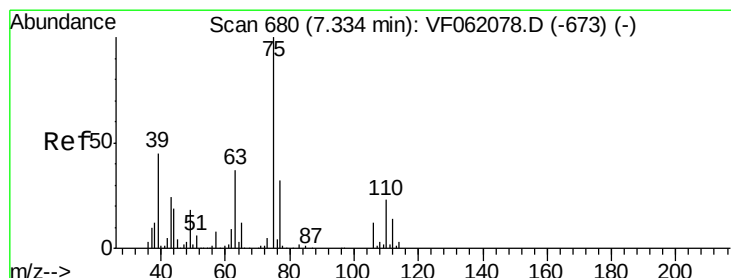
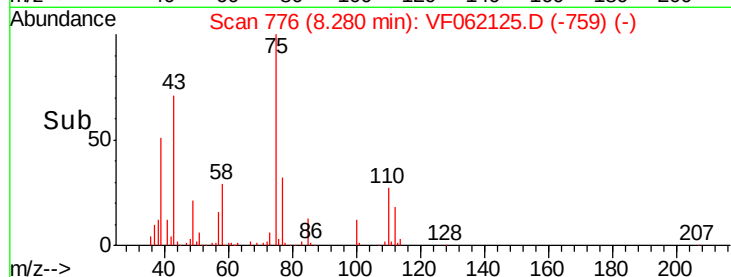
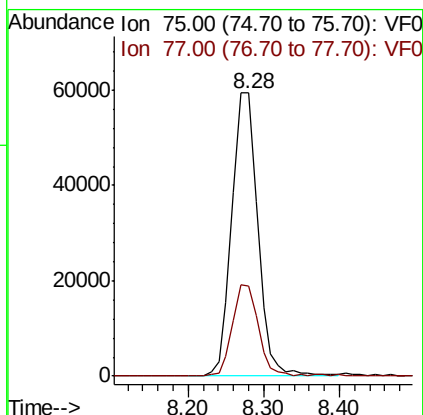
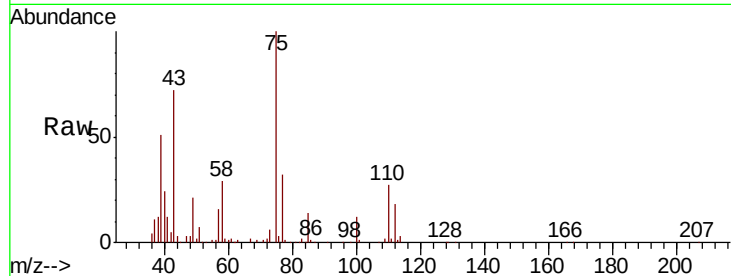




#53
 t-1,3-Dichloropropene
 Concen: 55.584 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

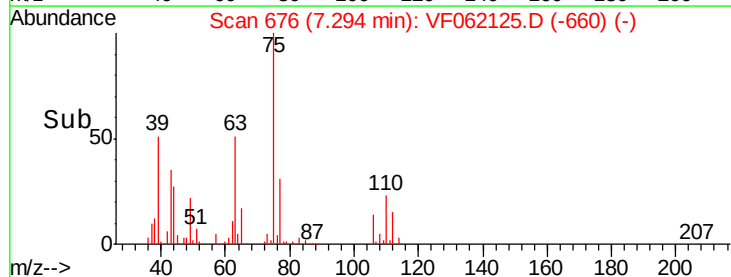
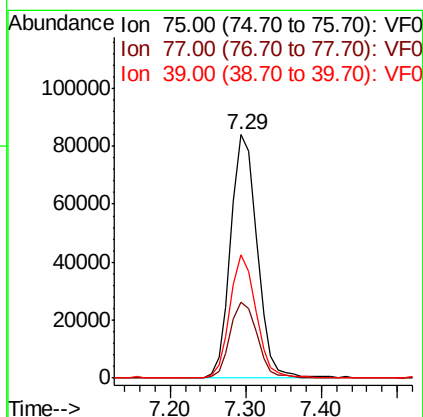
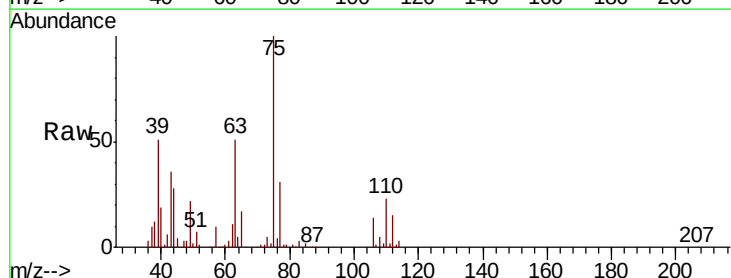
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

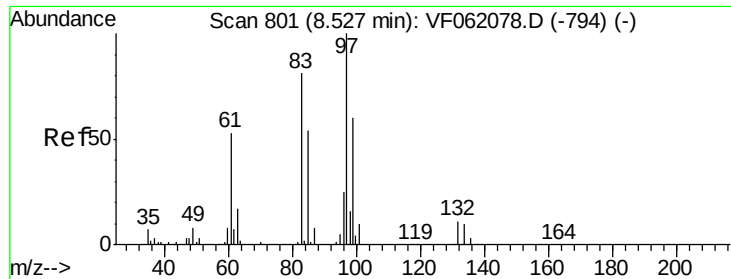
Tot Ion: 75 Resp: 141658
 Ion Ratio Lower Upper
 75 100
 77 31.7 28.0 42.0



#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 :

VSTDCCC050EC

Tot Ion: 97 Resp: 92444

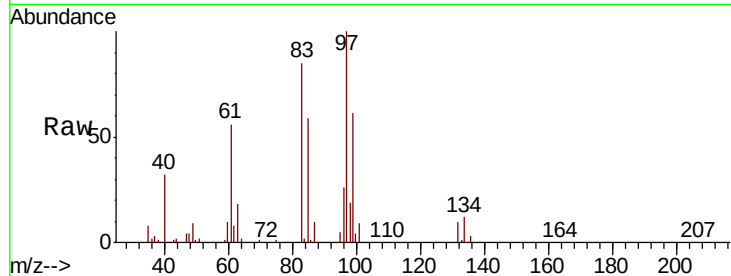
Ion Ratio Lower Upper

97 100

83 85.2 64.6 97.0

85 58.6 43.6 65.4

99 61.3 48.2 72.2

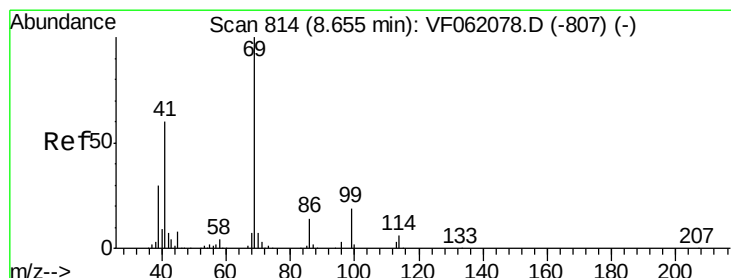
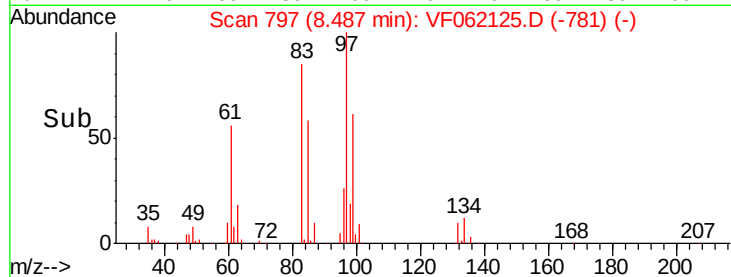
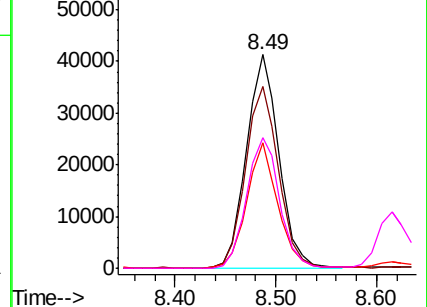


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 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

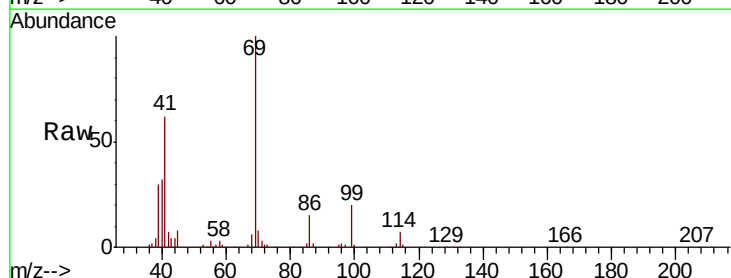
Tgt Ion: 69 Resp: 112581

Ion Ratio Lower Upper

69 100

41 62.3 48.2 72.2

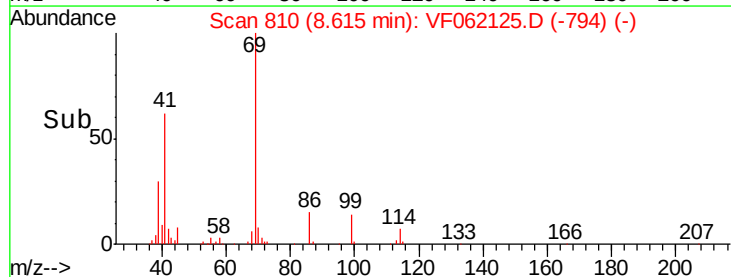
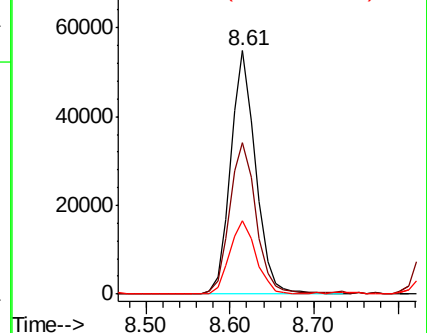
39 30.4 24.0 36.0

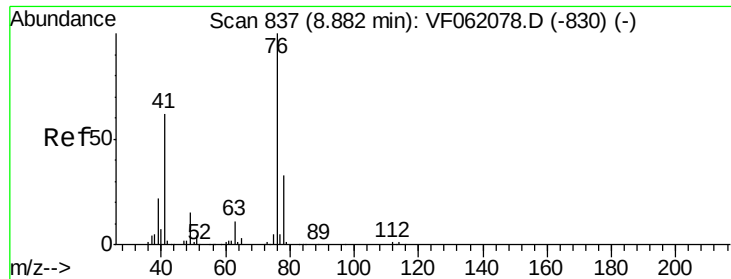


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 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 :

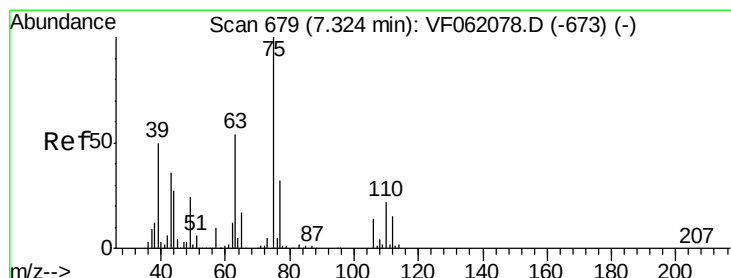
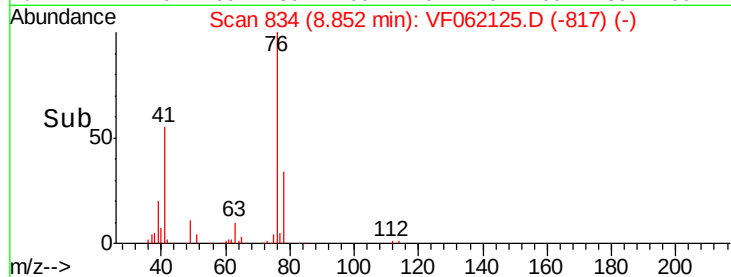
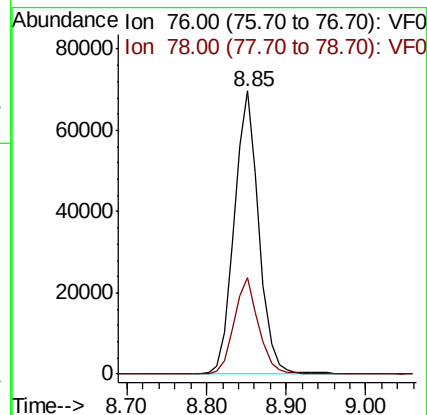
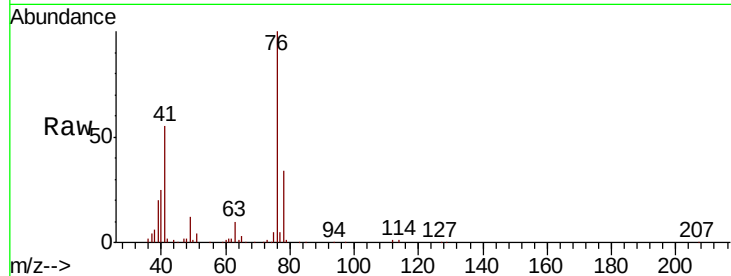
VSTDCCC050EC

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

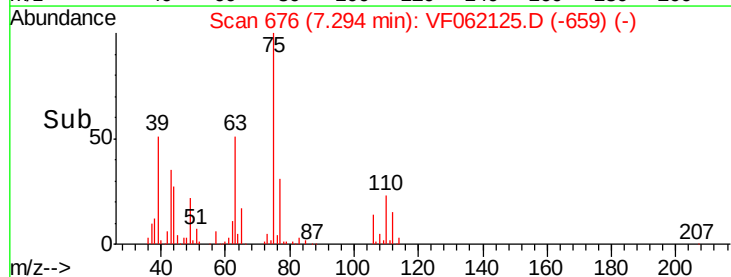
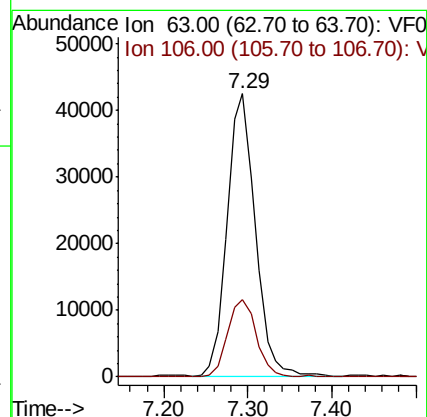
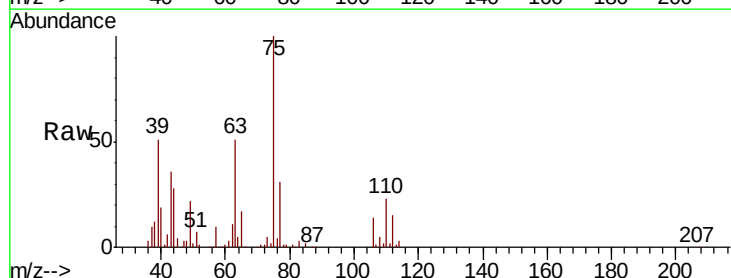
Acq: 23 Mar 2019 19:28

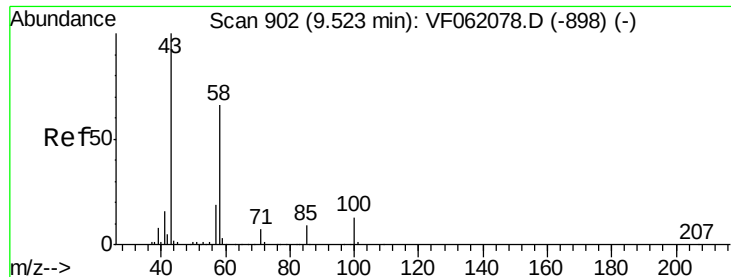
Tgt Ion: 63 Resp: 99648

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3

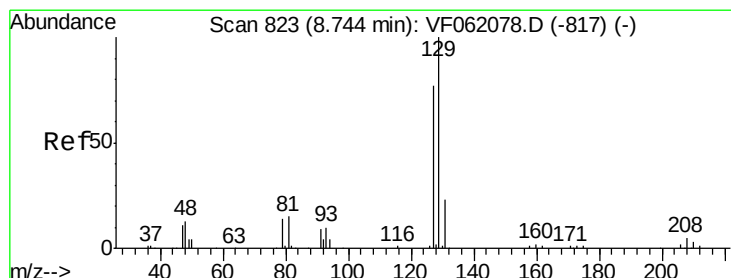
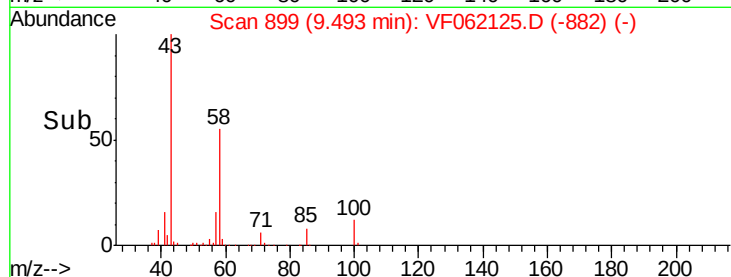
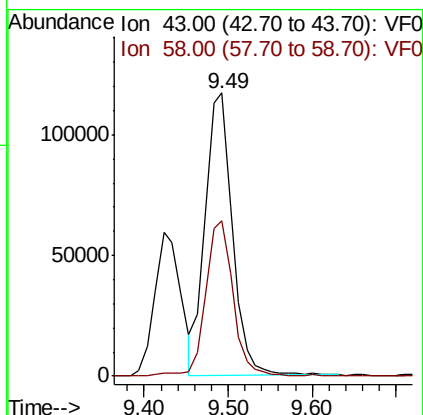
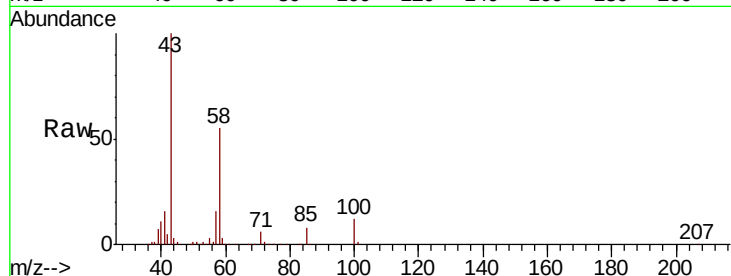




#59
2-Hexanone
Concen: 269.283 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

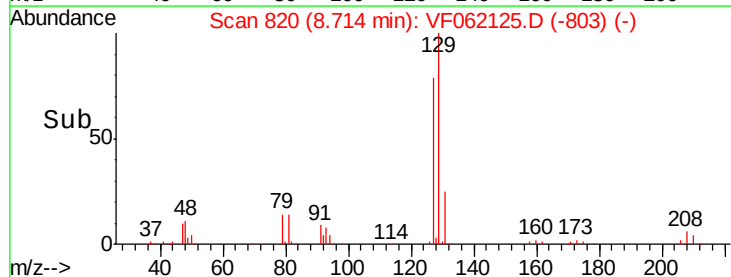
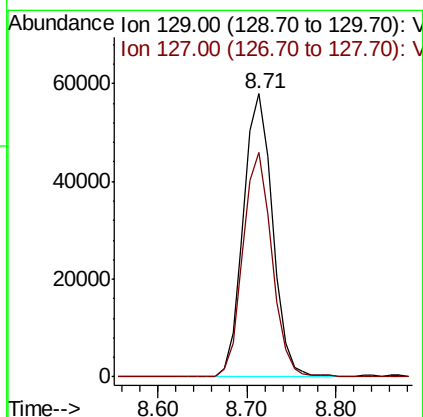
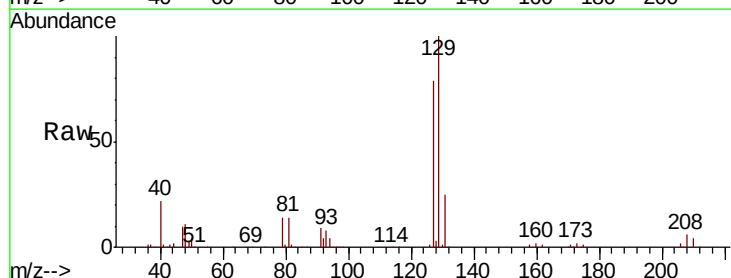
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

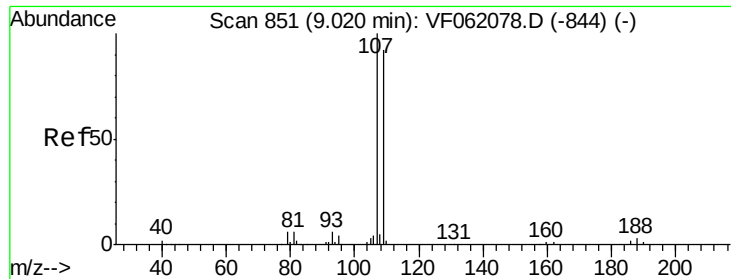
Tot Ion: 43 Resp: 262105
Ion Ratio Lower Upper
43 100
58 54.8 28.8 86.4



#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 :

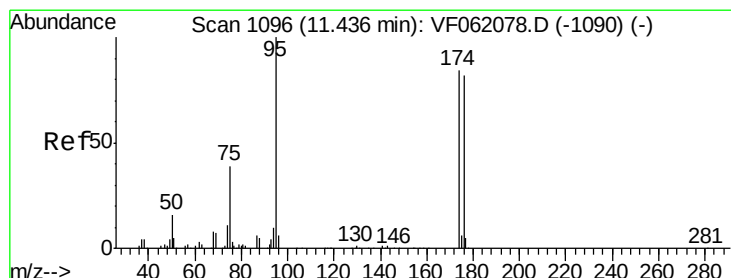
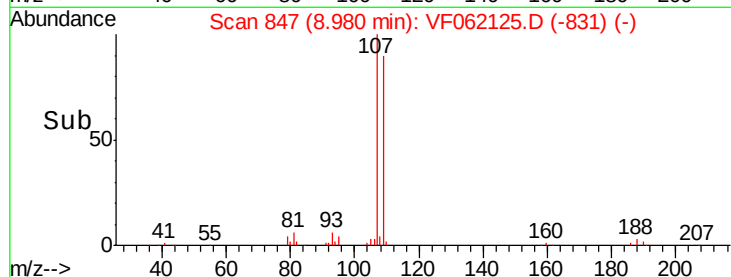
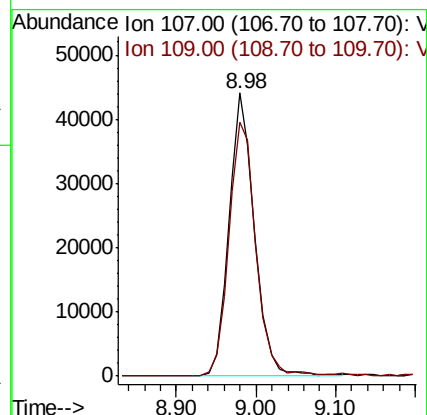
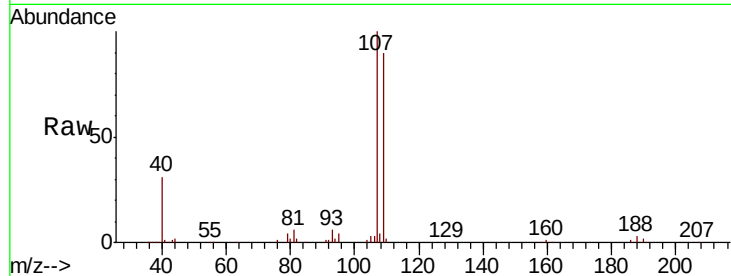
VSTDCCC050EC

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

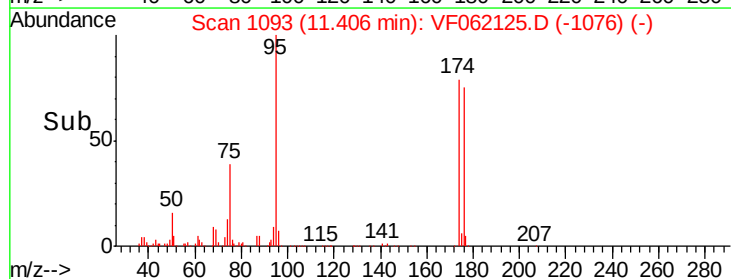
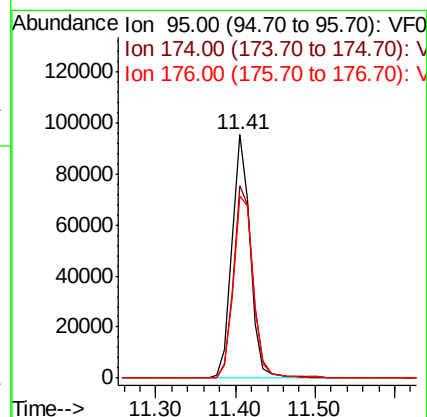
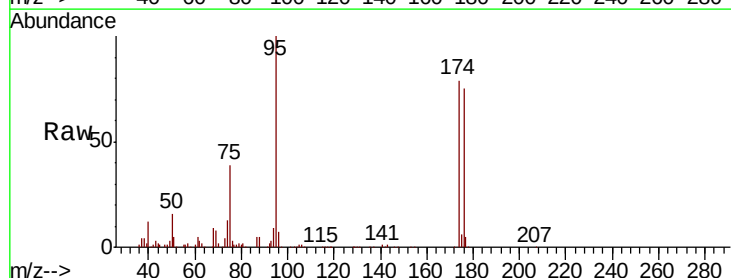
Tgt Ion: 95 Resp: 156119

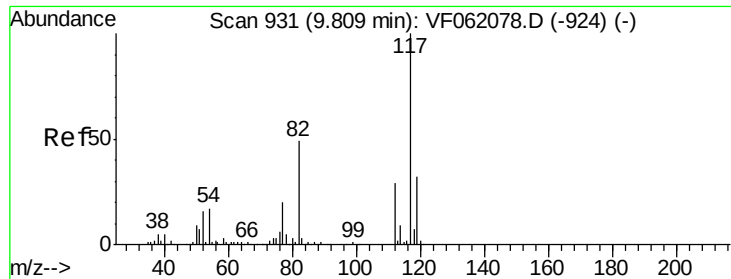
Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.2

176 75.0 0.0 164.2

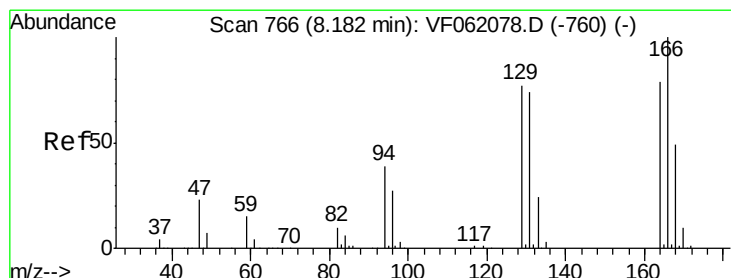
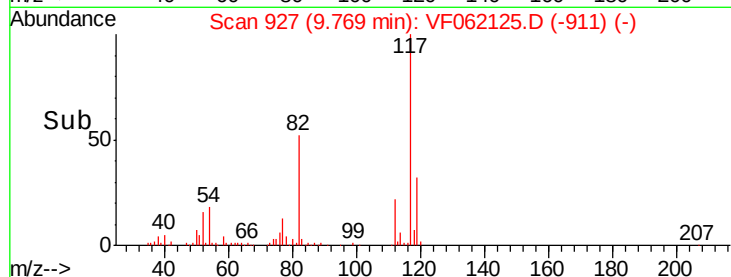
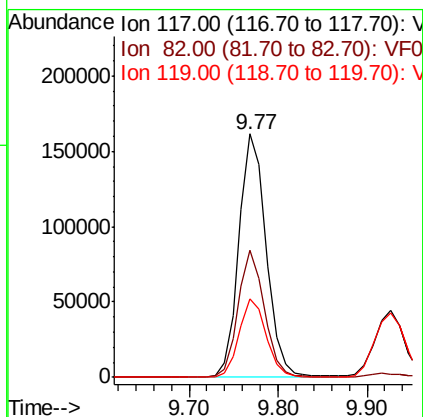
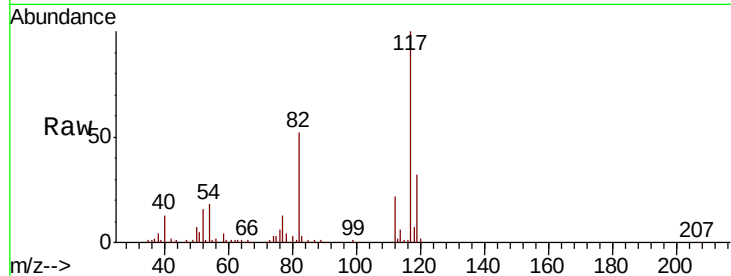




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

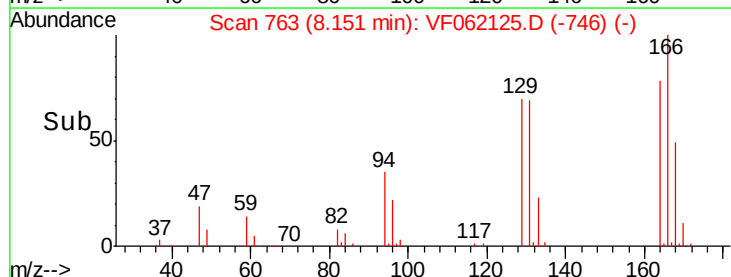
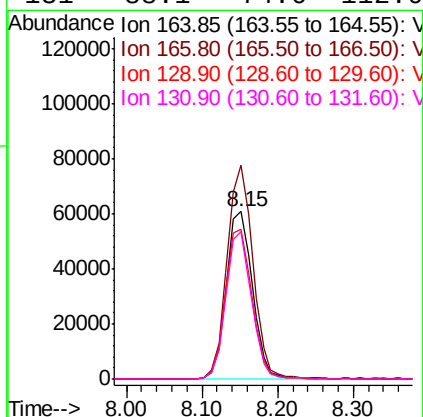
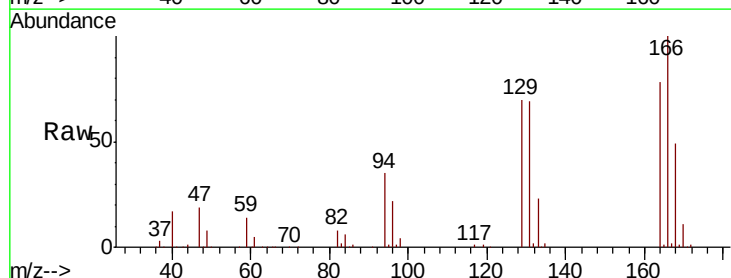
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

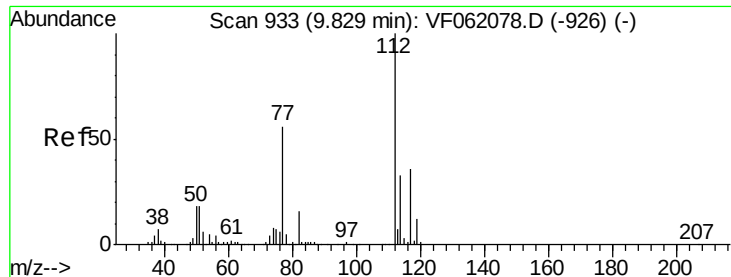
Tot Ion:117 Resp: 346196
Ion Ratio Lower Upper
117 100
82 52.1 39.2 58.8
119 32.4 25.4 38.2



#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

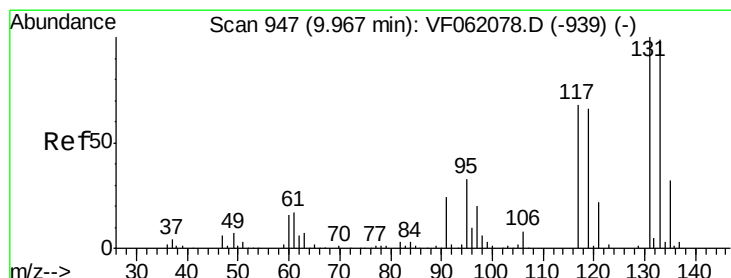
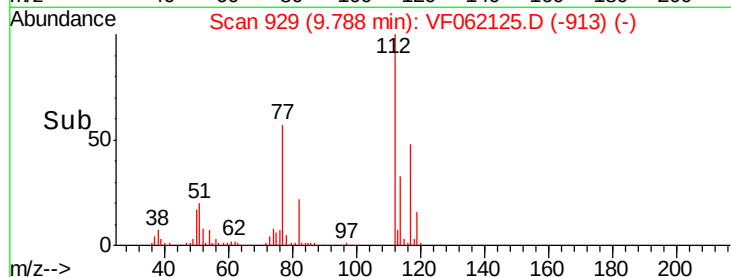
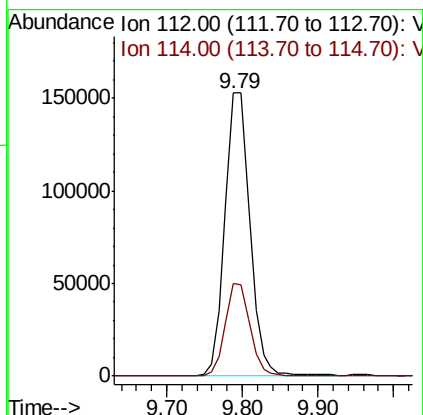
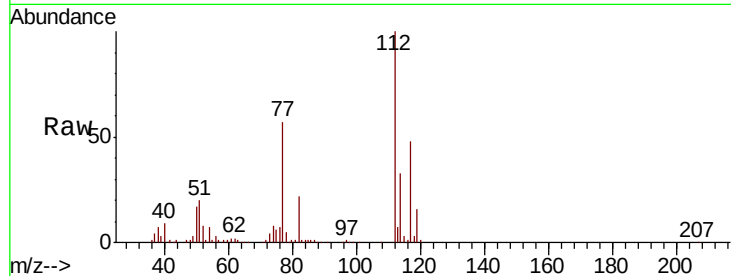




#65
Chlorobenzene
Concen: 54.484 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

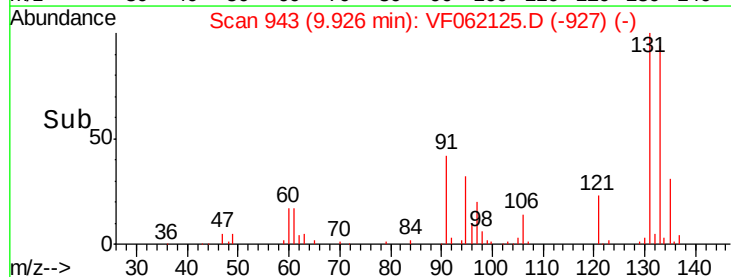
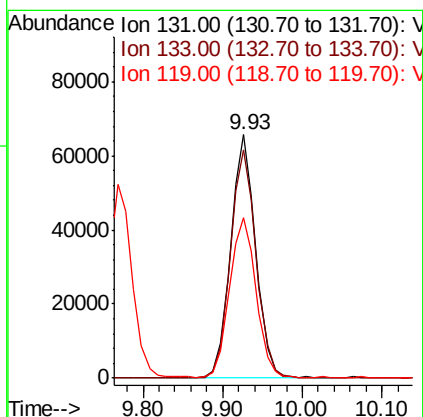
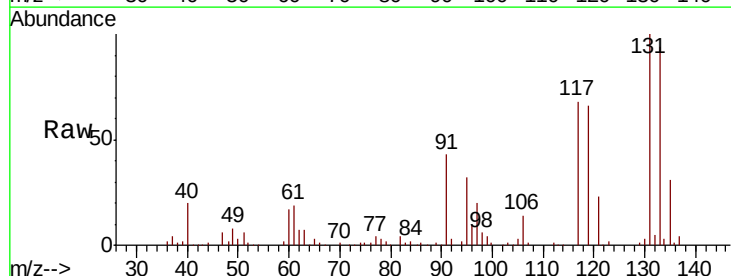
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

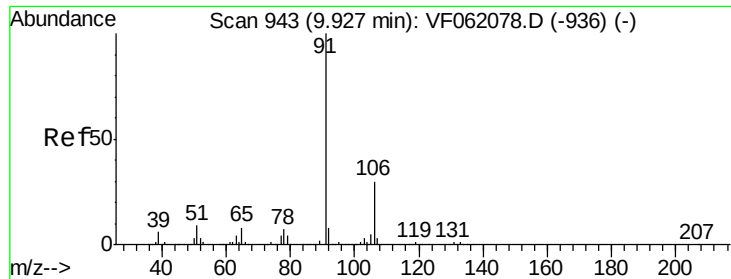
Tot Ion:112 Resp: 352924
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0



#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 :

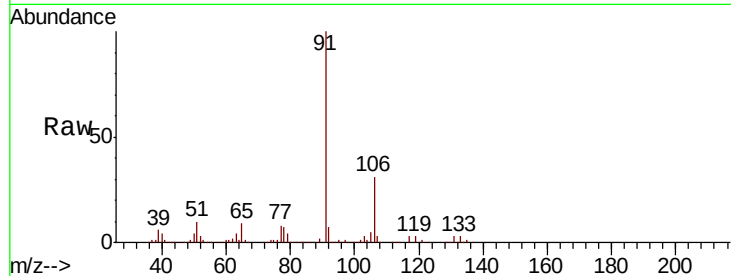
VSTDCCC050EC

Tot Ion: 91 Resp: 620478

Ion Ratio Lower Upper

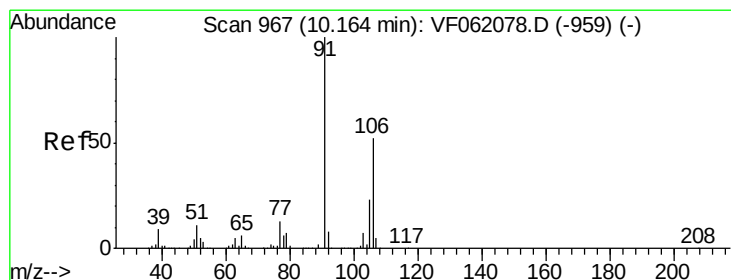
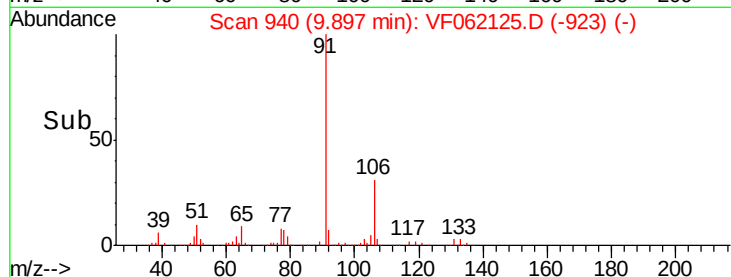
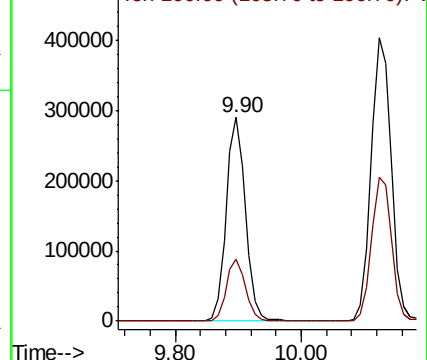
91 100

106 30.7 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#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

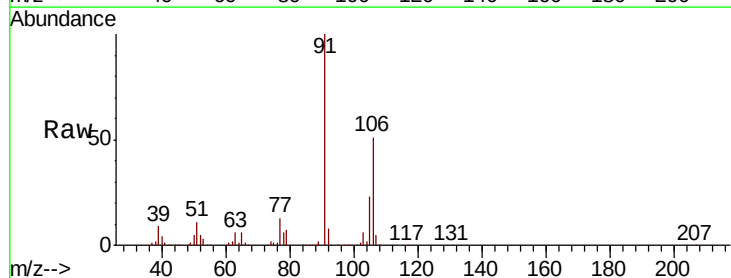
Acq: 23 Mar 2019 19:28

Tgt Ion: 106 Resp: 450461

Ion Ratio Lower Upper

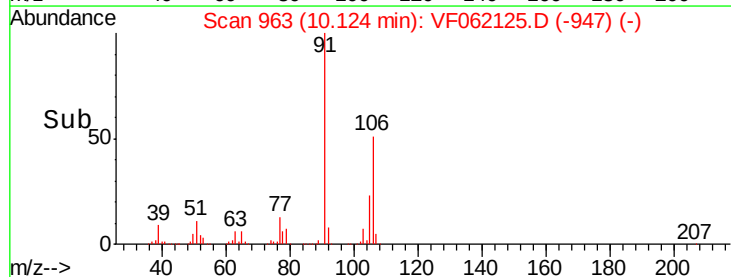
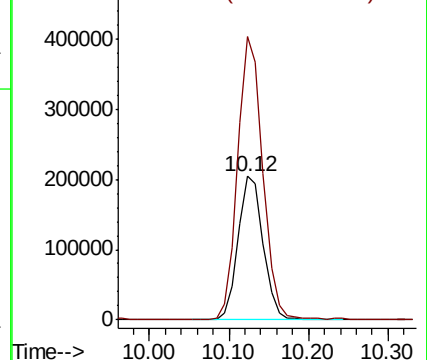
106 100

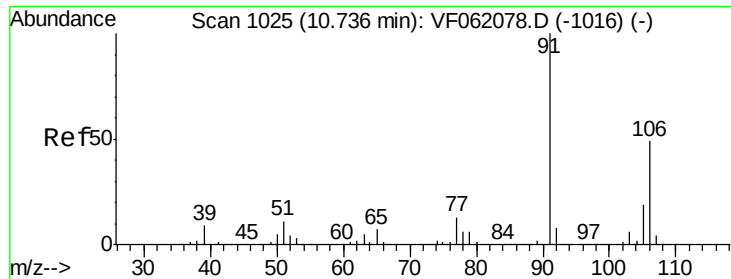
91 197.2 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

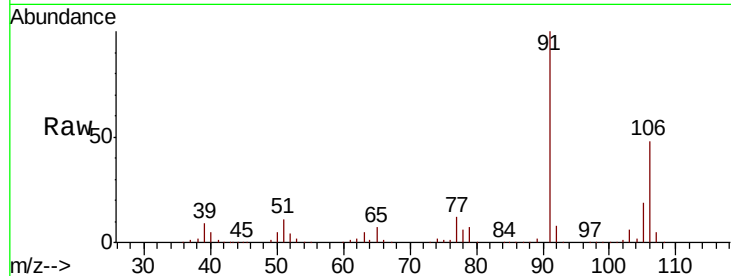




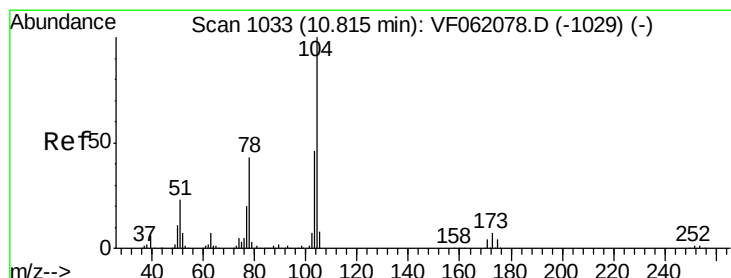
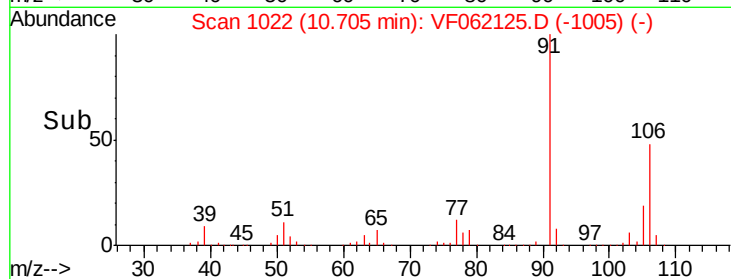
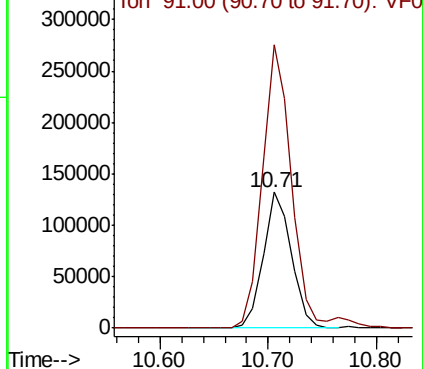
#69
o-Xylene
Concen: 54.938 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

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

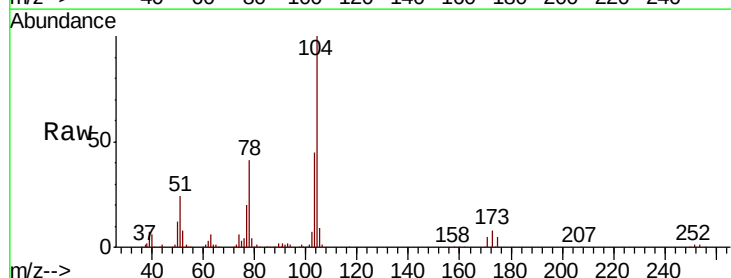


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

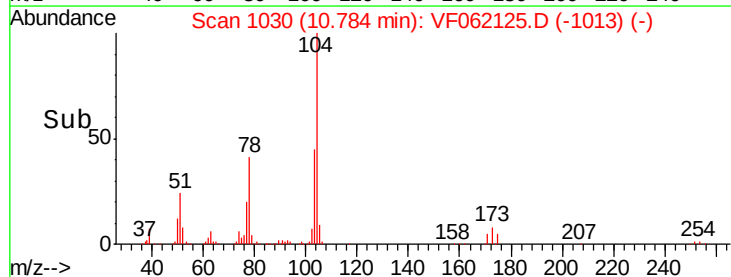
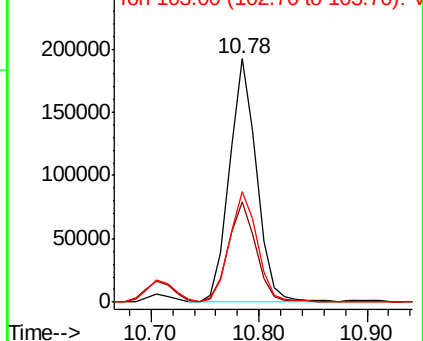


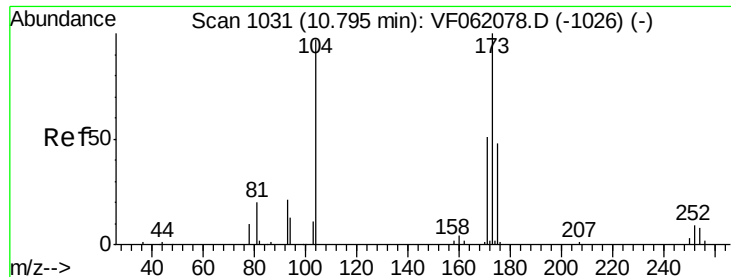
#70
Styrene
Concen: 49.720 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

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

ClientSampleId :

VSTDCCC050EC

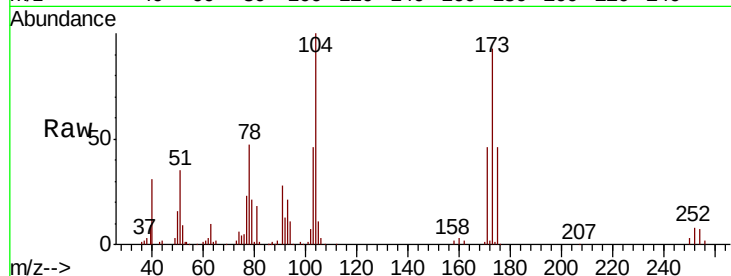
Tot Ion:173 Resp: 68158

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.4

254 7.1 6.2 9.4

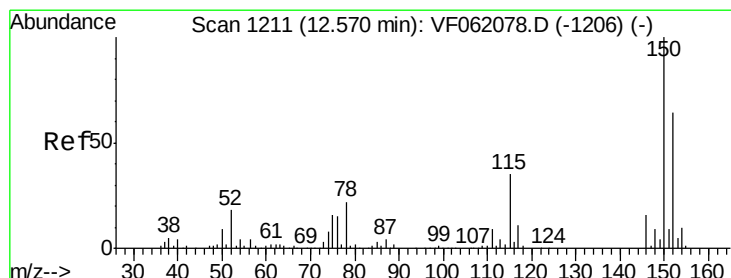
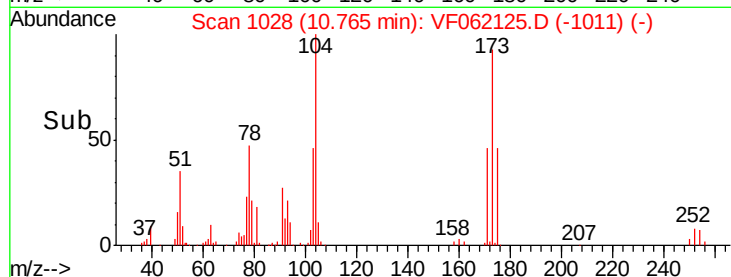
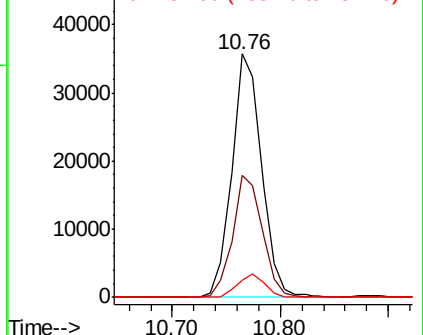


Abundance

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

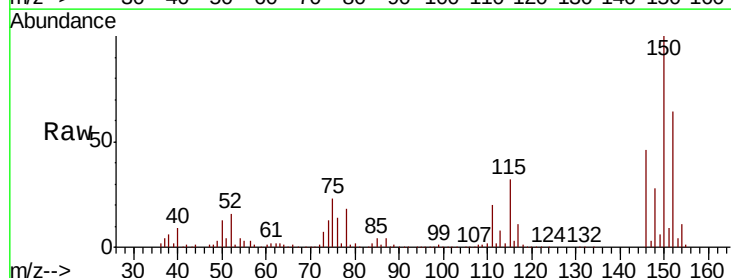
Tgt Ion:152 Resp: 171943

Ion Ratio Lower Upper

152 100

115 49.3 27.7 83.1

150 156.0 0.0 313.2

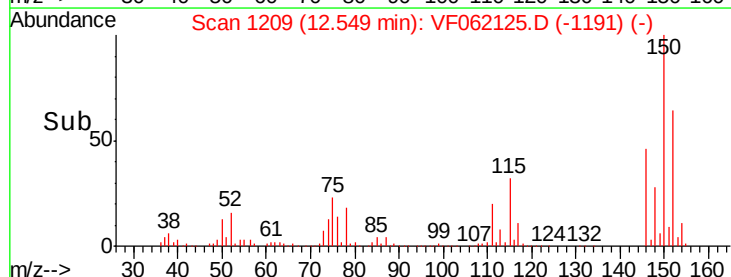
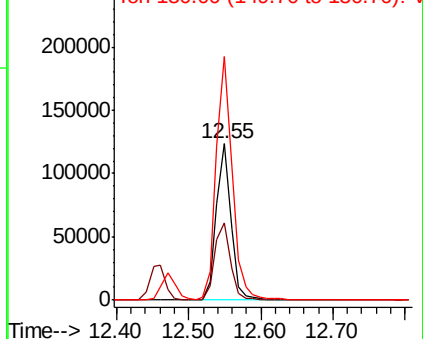


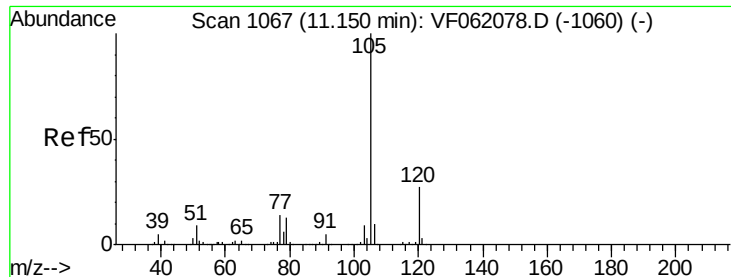
Abundance

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 :

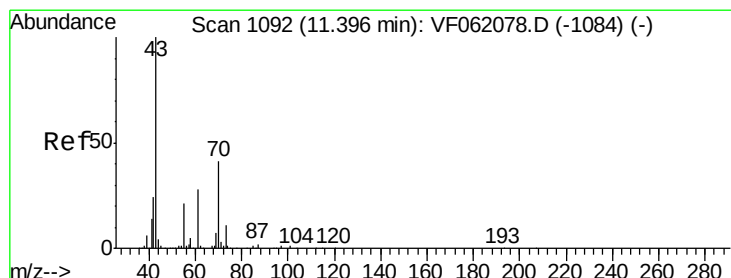
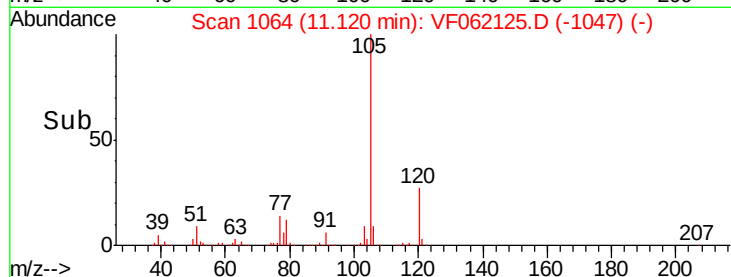
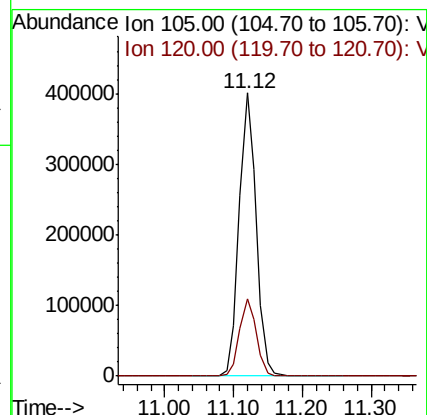
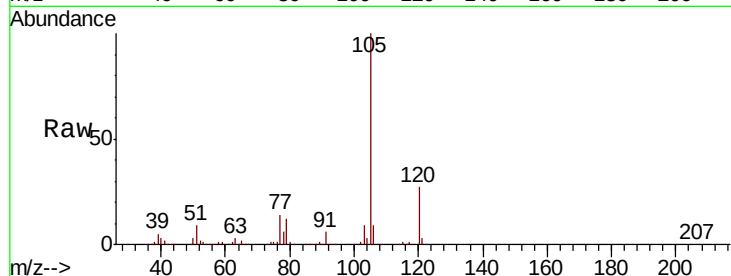
VSTDCCC050EC

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

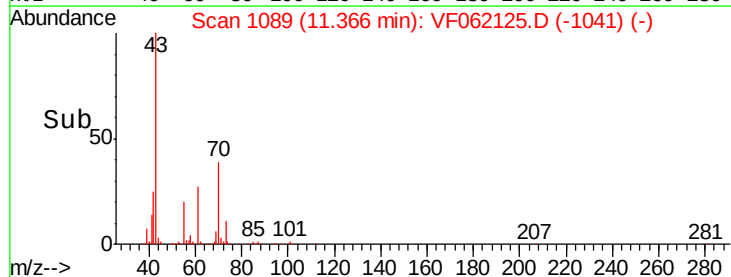
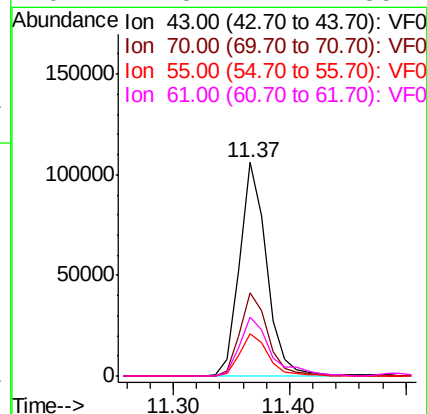
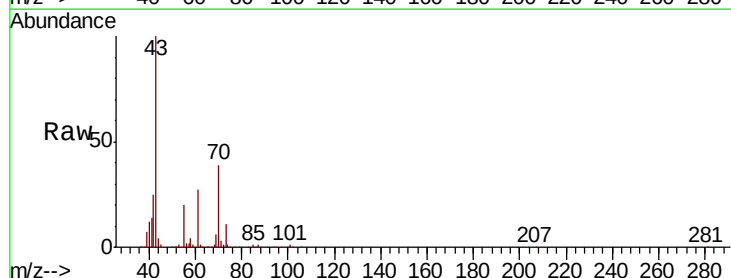
Ion Ratio Lower Upper

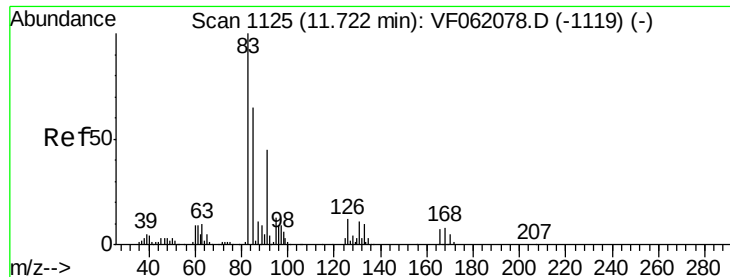
43 100

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 :

VSTDCCC050EC

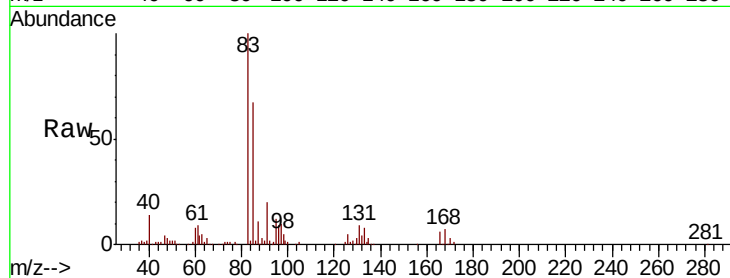
Tot Ion: 83 Resp: 114524

Ion Ratio Lower Upper

83 100

131 9.0 5.3 15.8

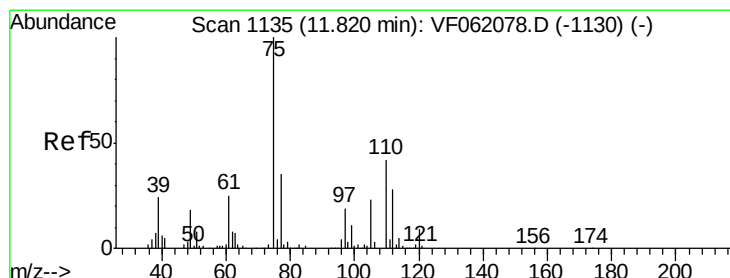
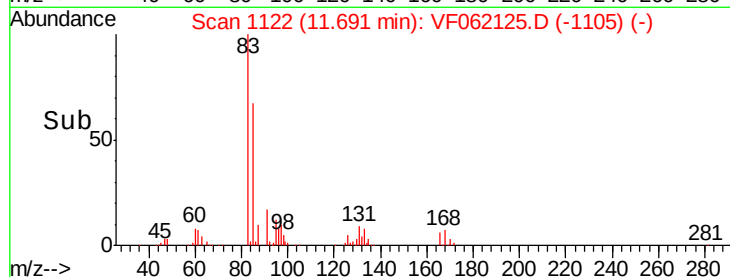
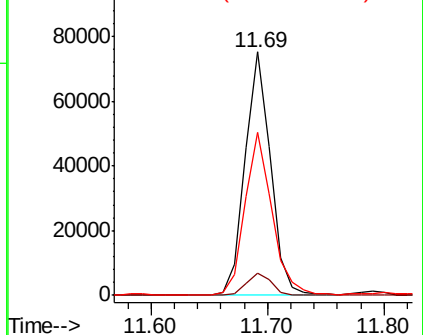
85 67.1 32.6 98.0



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

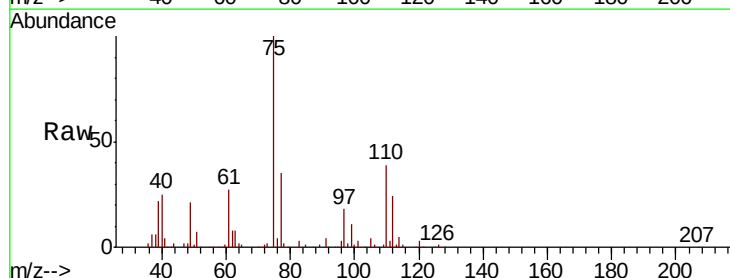
Acq: 23 Mar 2019 19:28

Tgt Ion: 75 Resp: 77578

Ion Ratio Lower Upper

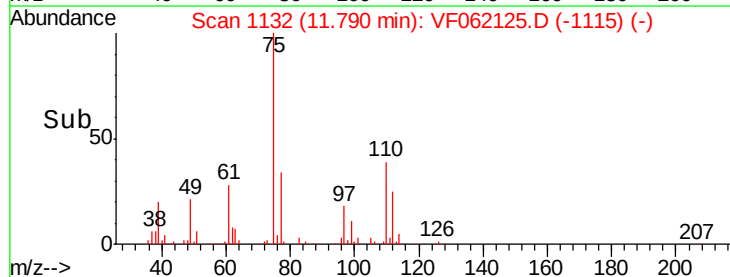
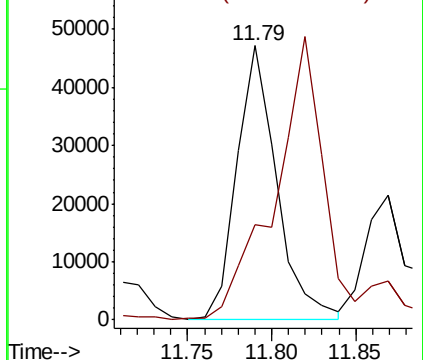
75 100

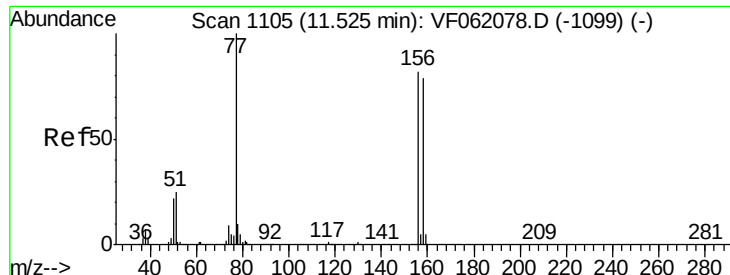
77 34.7 17.8 53.3



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 :

VSTDCCC050EC

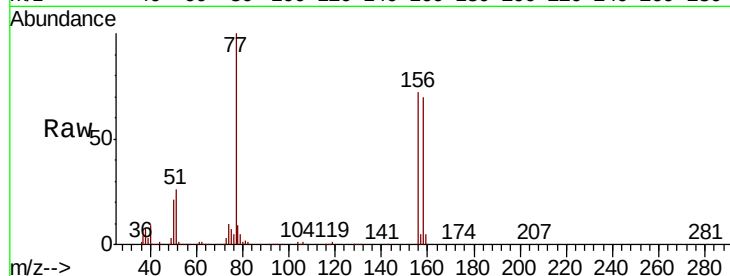
Tot Ion:156 Resp: 153963

Ion Ratio Lower Upper

156 100

77 138.9 61.3 183.9

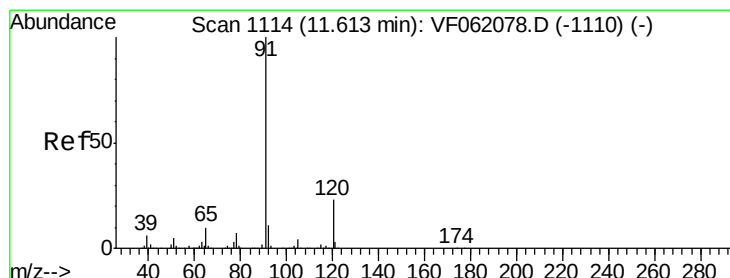
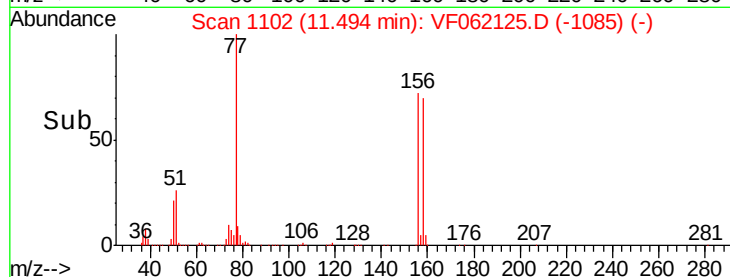
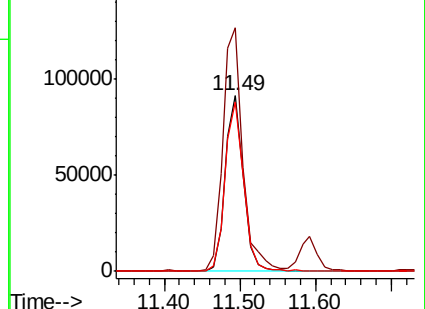
158 96.8 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 54.768 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062125.D

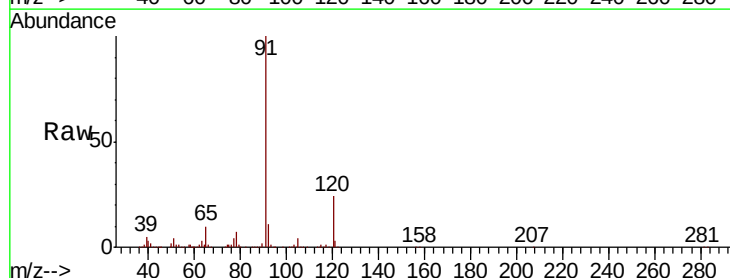
Acq: 23 Mar 2019 19:28

Tgt Ion: 91 Resp: 769439

Ion Ratio Lower Upper

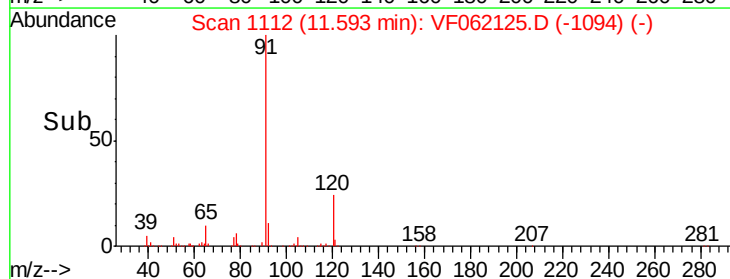
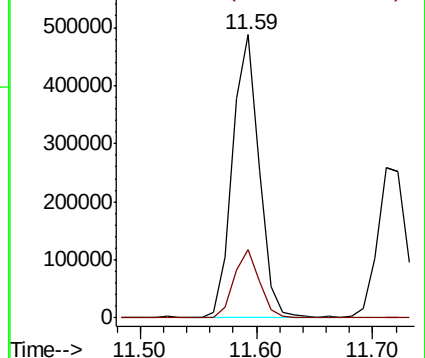
91 100

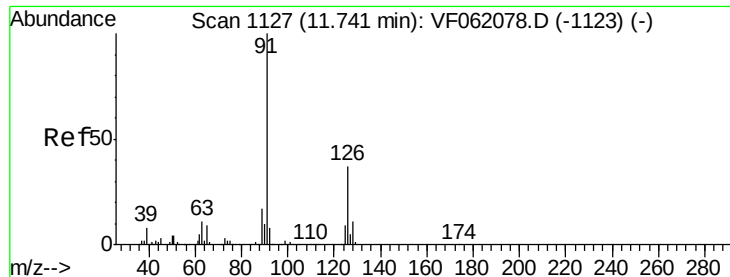
120 23.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#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

ClientSampleId :

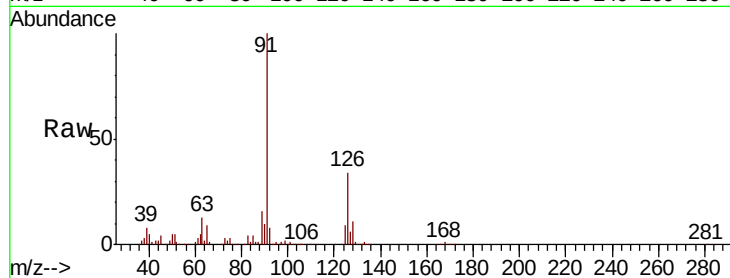
VSTDCCC050EC

Tot Ion: 91 Resp: 438859

Ion Ratio Lower Upper

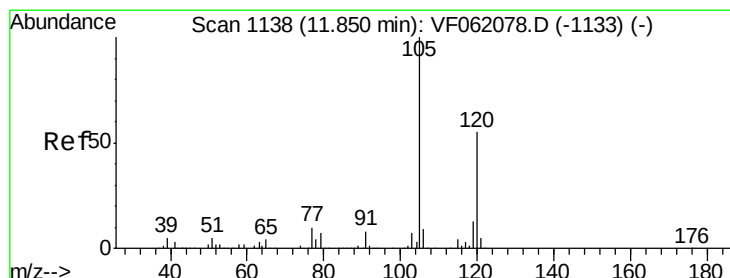
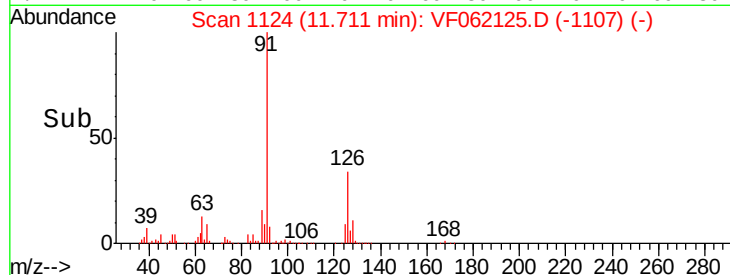
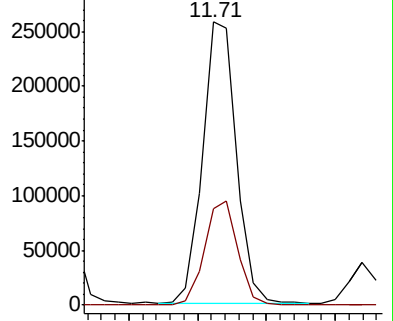
91 100

126 33.9 18.3 54.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#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

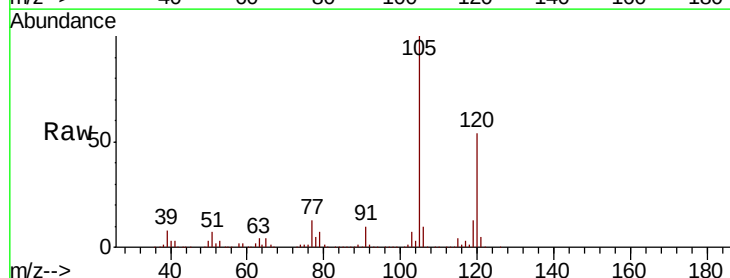
Acq: 23 Mar 2019 19:28

Tgt Ion: 105 Resp: 569252

Ion Ratio Lower Upper

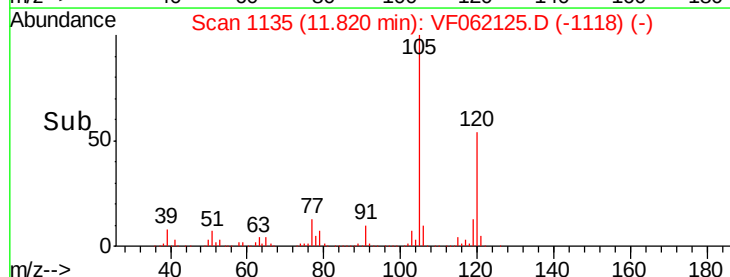
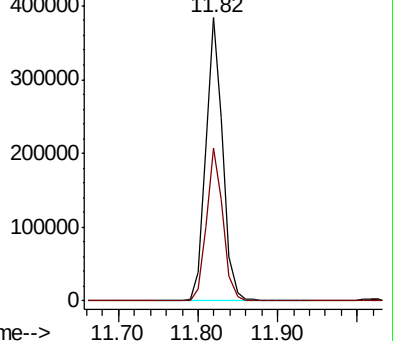
105 100

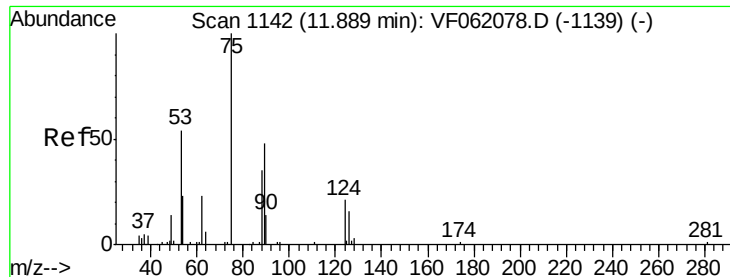
120 53.9 27.8 83.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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 :

VSTDCCC050EC

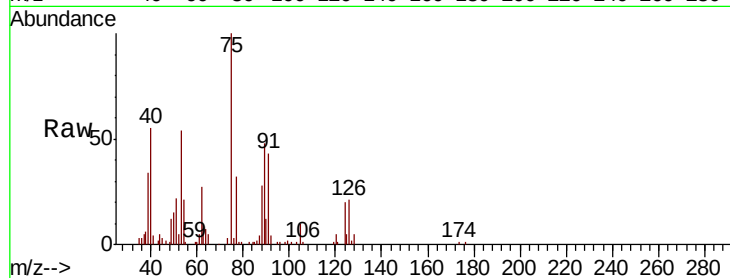
Tot Ion: 75 Resp: 44961

Ion Ratio Lower Upper

75 100

53 53.5 49.4 74.0

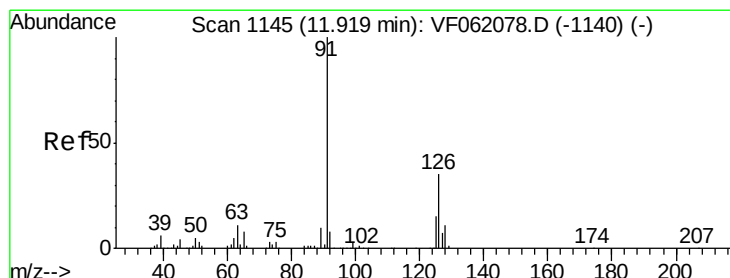
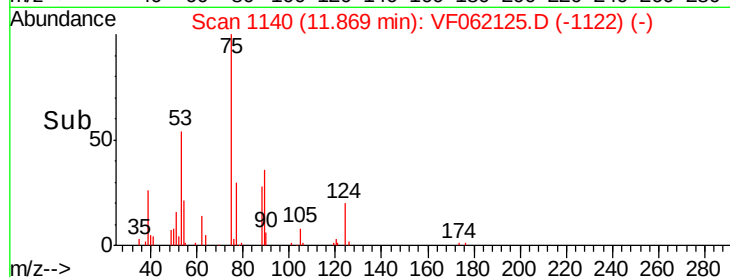
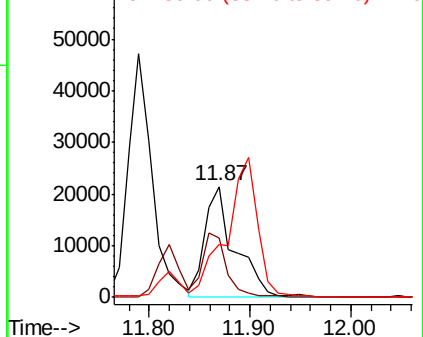
89 47.7 40.6 60.8



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

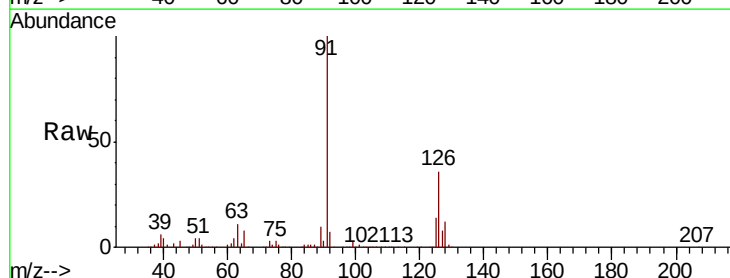
Acq: 23 Mar 2019 19:28

Tgt Ion: 91 Resp: 428204

Ion Ratio Lower Upper

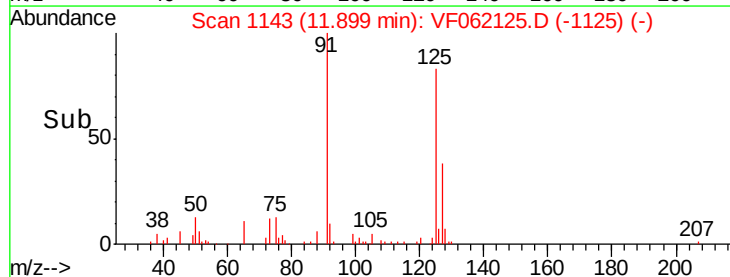
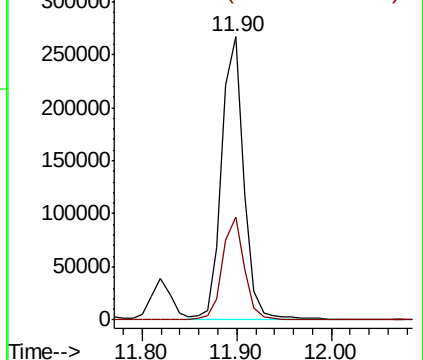
91 100

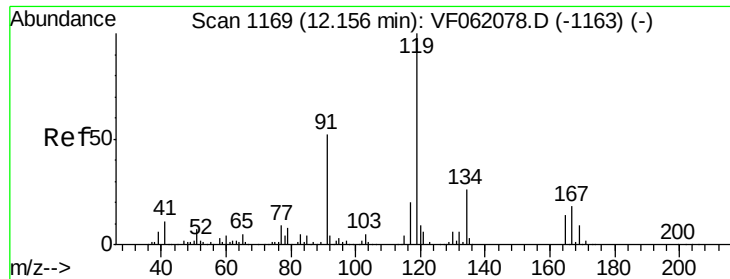
126 36.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

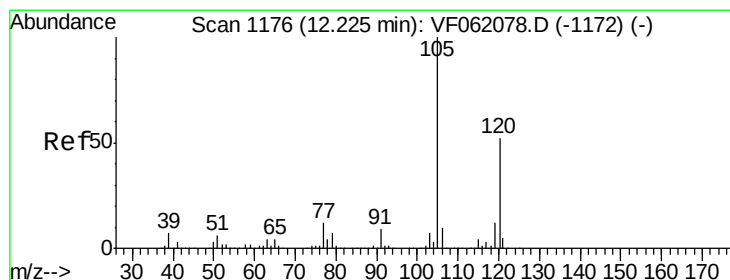
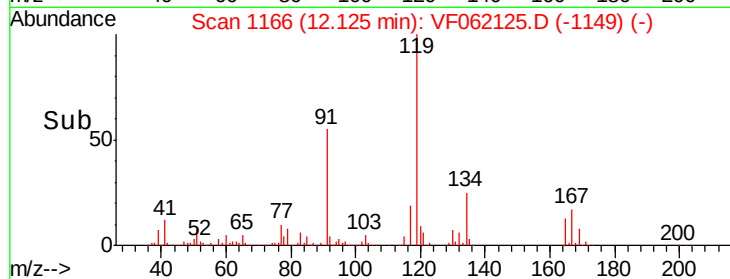
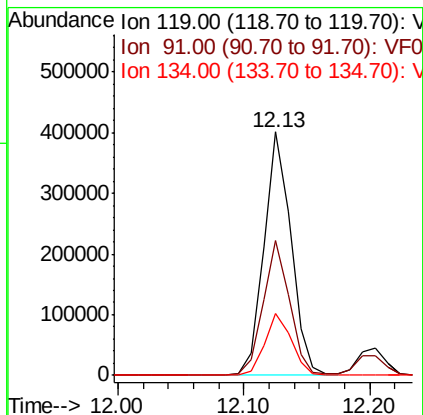
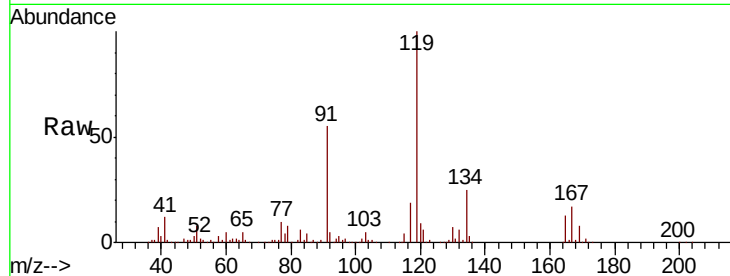




#83
 tert-Butylbenzene
 Concen: 57.903 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

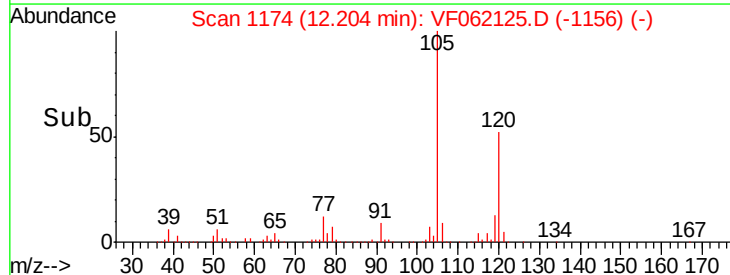
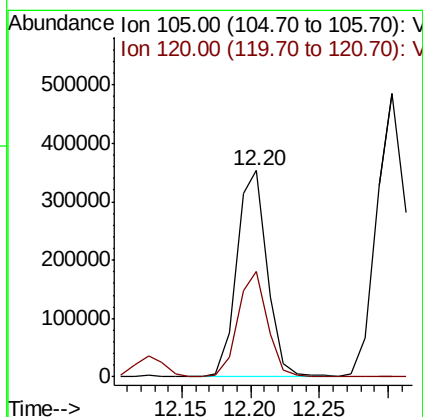
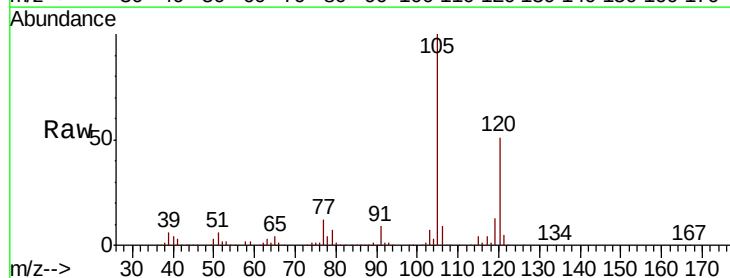
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

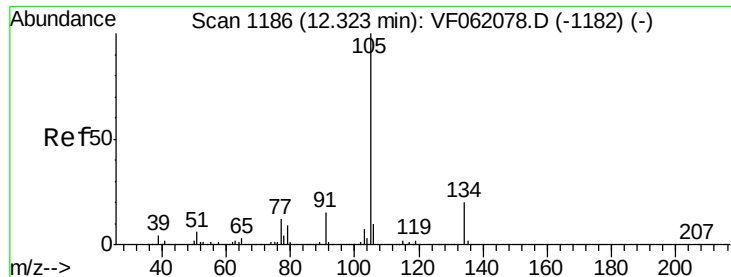
Tot Ion:119 Resp: 603230
 Ion Ratio Lower Upper
 119 100
 91 55.3 26.1 78.2
 134 25.2 12.8 38.4



#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

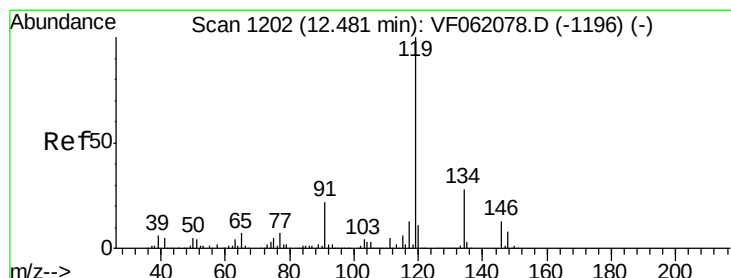
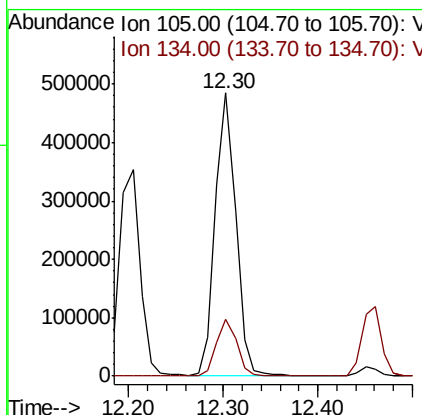
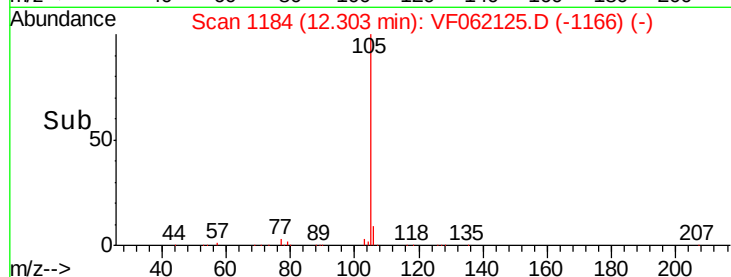
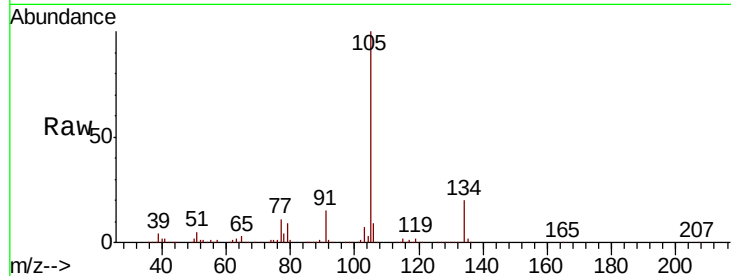




#85
 sec-Butylbenzene
 Concen: 54.592 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

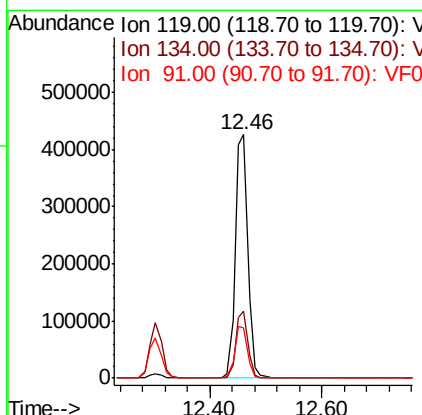
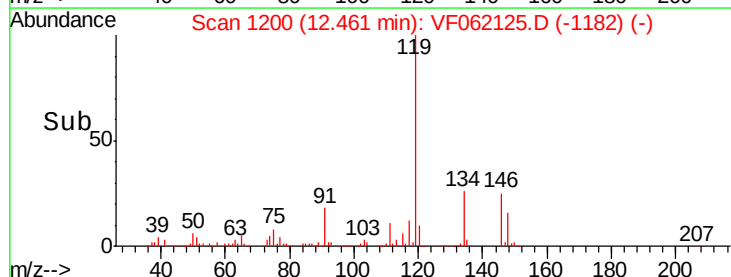
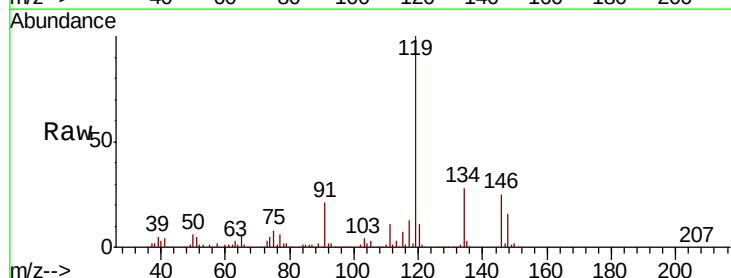
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

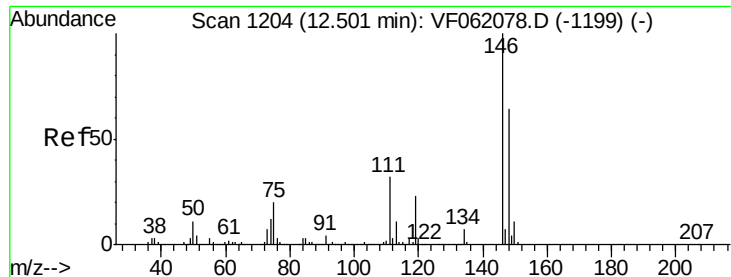
Tot Ion:105 Resp: 735739
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#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

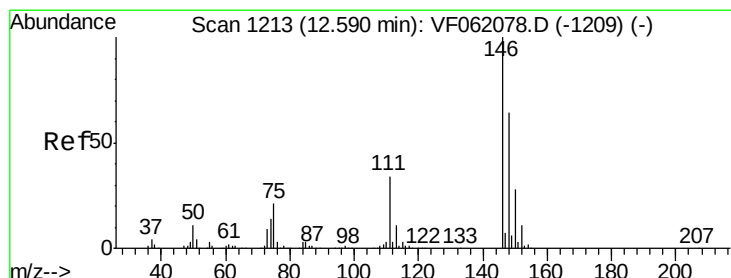
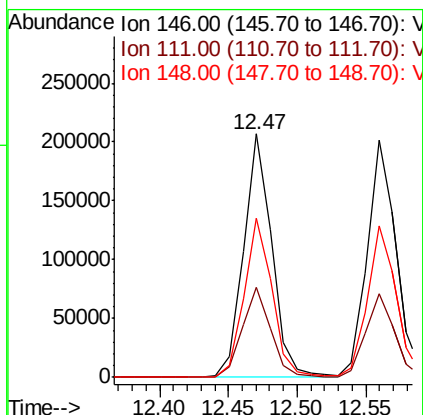
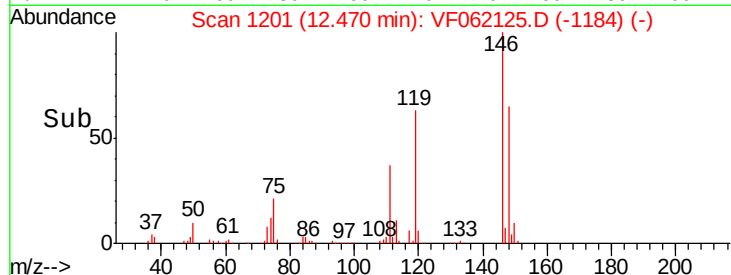
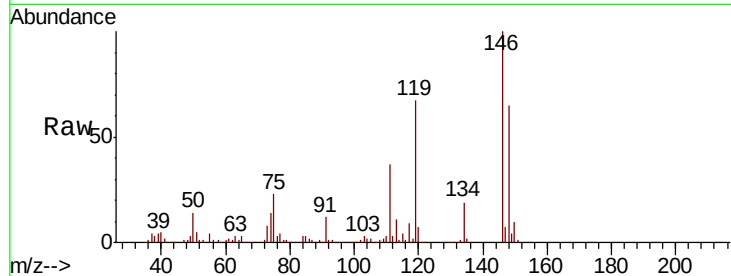




#87
 1,3-Dichlorobenzene
 Concen: 54.188 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

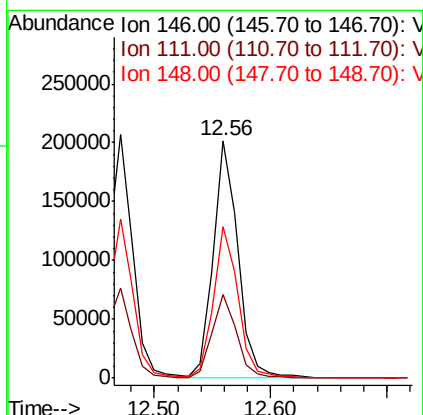
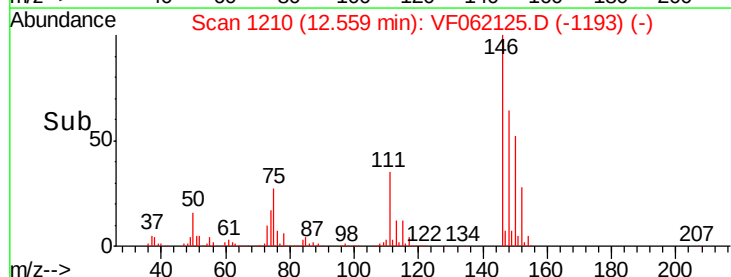
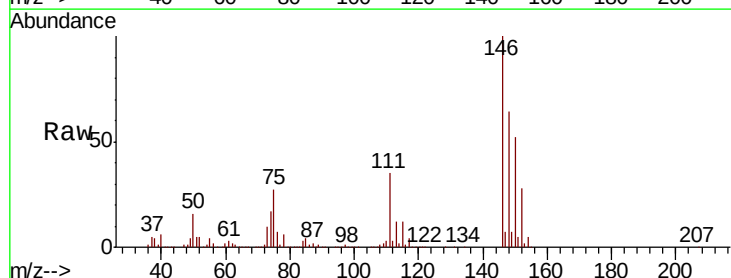
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

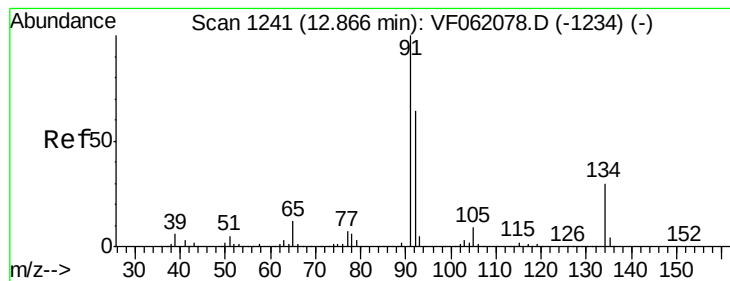
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	16.1	48.3
148	65.2	31.9	95.7



#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	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 :

VSTDCCC050EC

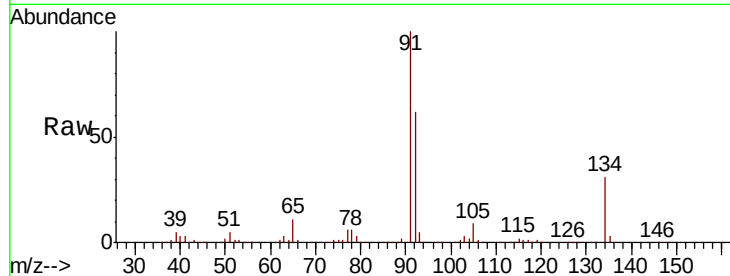
Tot Ion: 91 Resp: 606426

Ion Ratio Lower Upper

91 100

92 62.1 31.9 95.5

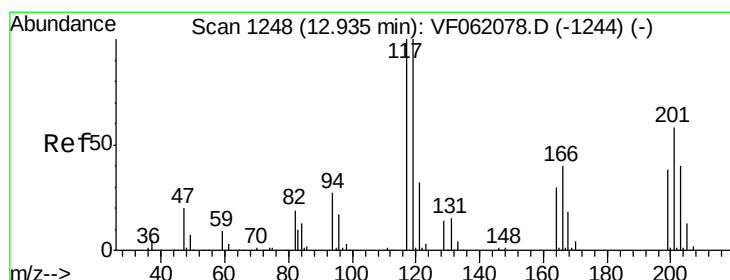
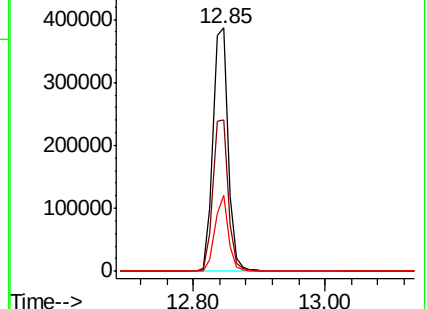
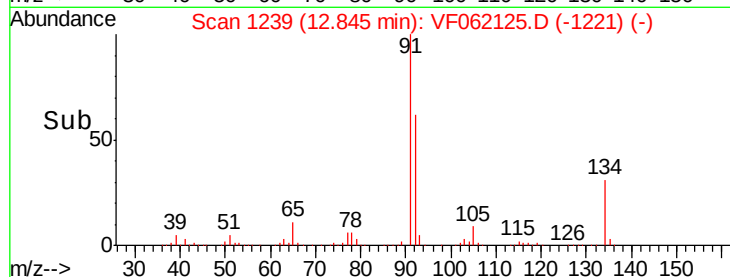
134 31.0 14.9 44.9



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

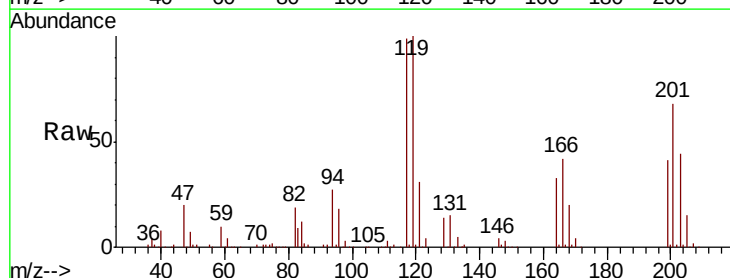
Acq: 23 Mar 2019 19:28

Tgt Ion: 117 Resp: 158058

Ion Ratio Lower Upper

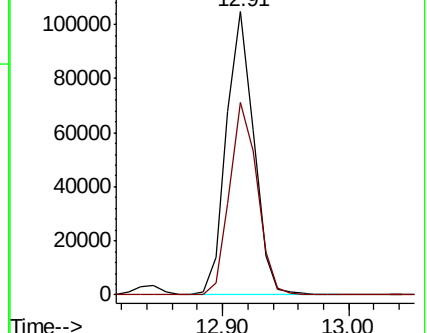
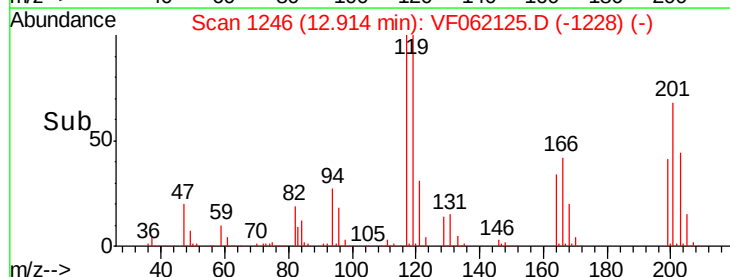
117 100

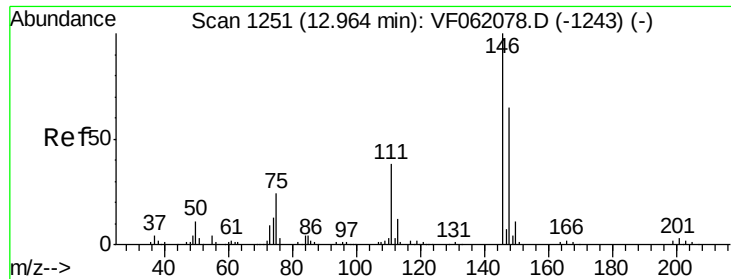
201 68.0 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

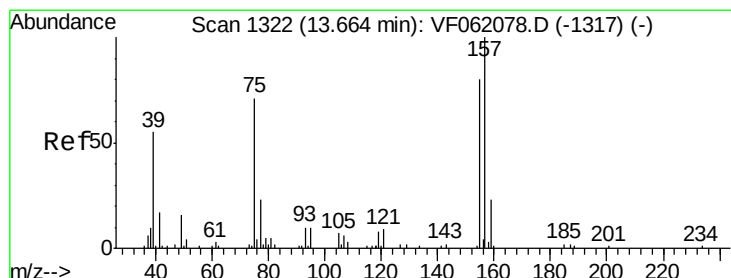
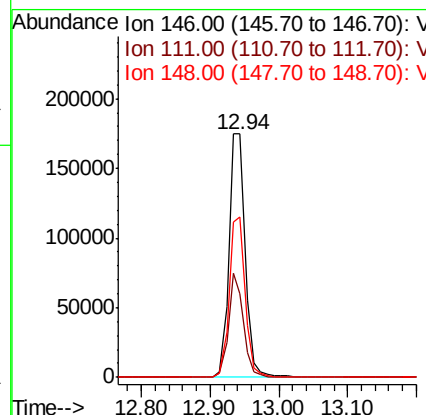
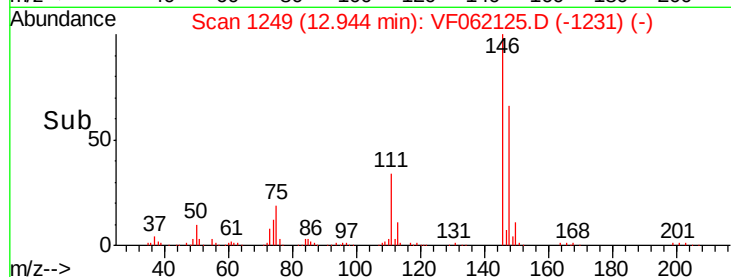
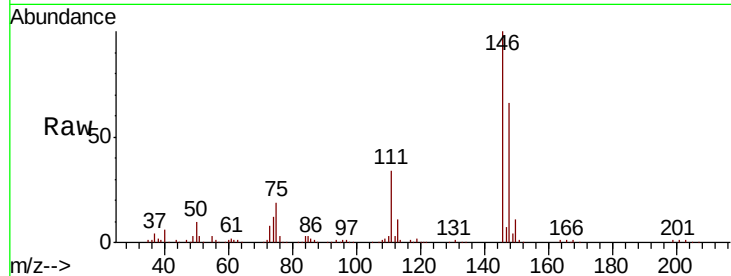




#91
 1,2-Dichlorobenzene
 Concen: 54.960 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

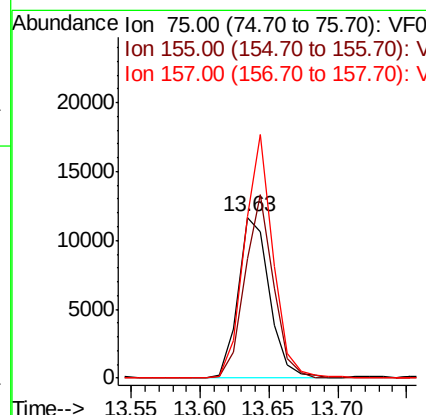
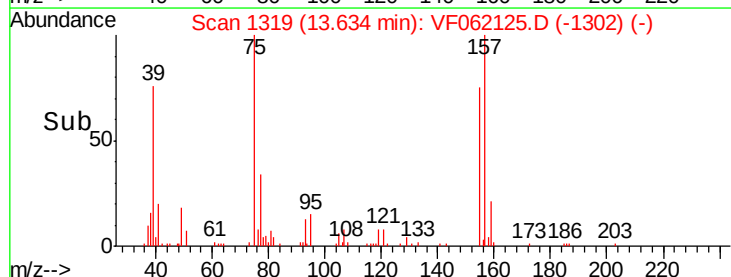
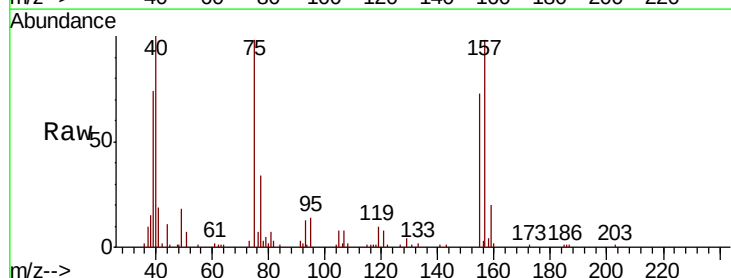
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

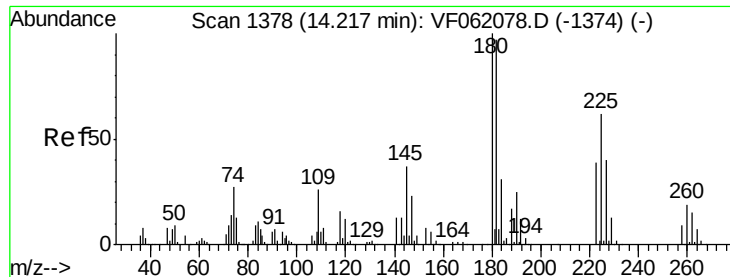
Tot Ion:146 Resp: 283415
 Ion Ratio Lower Upper
 146 100
 111 34.3 19.1 57.3
 148 66.1 32.8 98.3



#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: 75 Resp: 18644
 Ion Ratio Lower Upper
 75 100
 155 74.7 56.1 168.4
 157 100.2 70.4 211.2

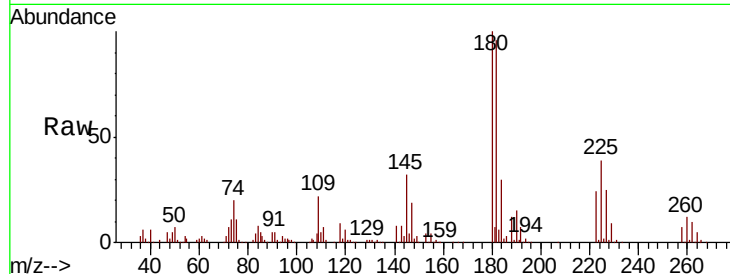




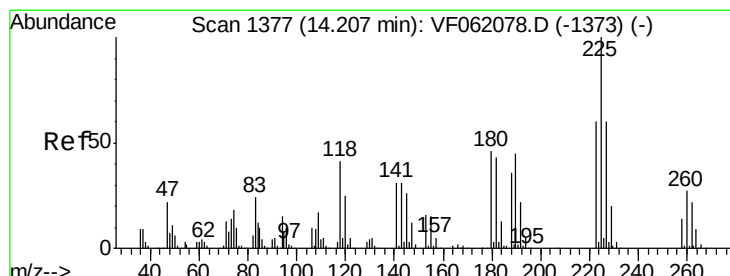
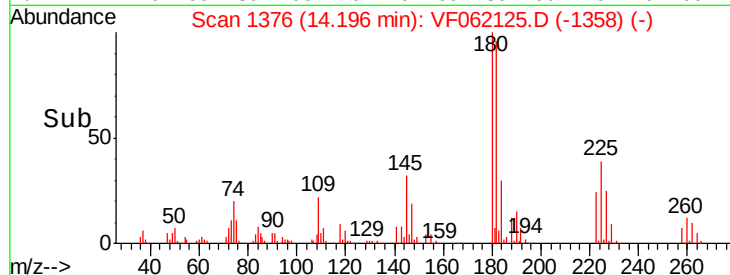
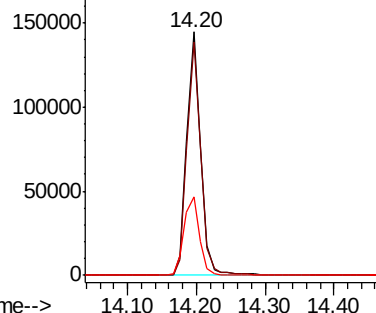
#93
 1,2,4-Trichlorobenzene
 Concen: 56.679 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 203706
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.7 146.1
 145 32.0 18.3 54.8

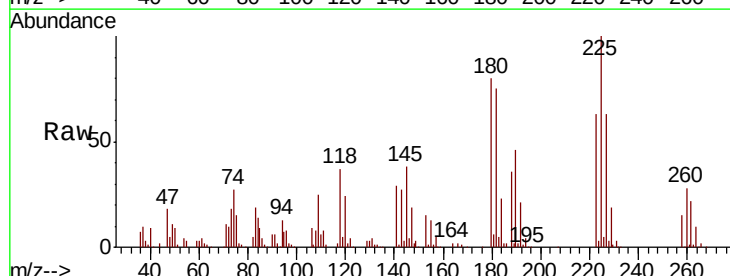


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

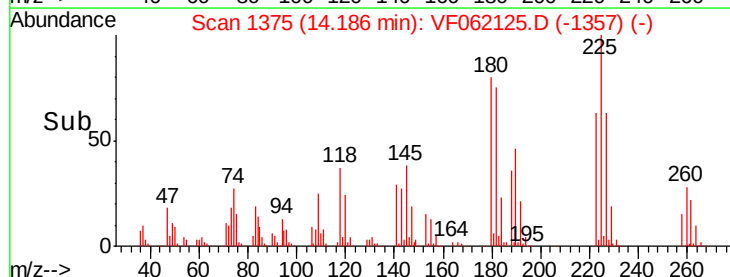
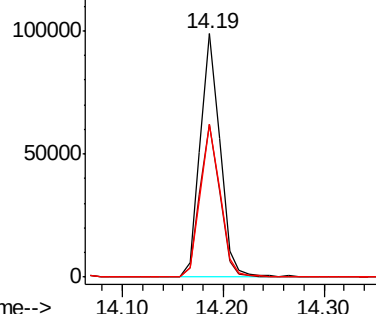


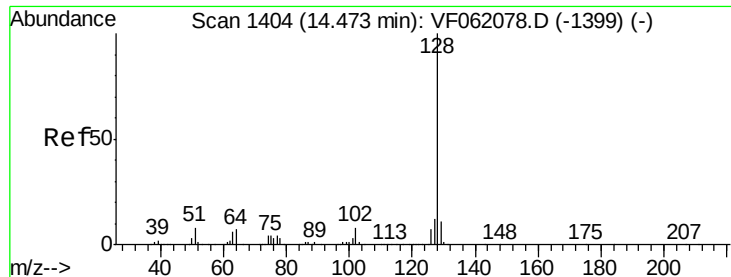
#94
 Hexachlorobutadiene
 Concen: 56.713 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062125.D
 Acq: 23 Mar 2019 19:28

Tgt Ion:225 Resp: 135527
 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

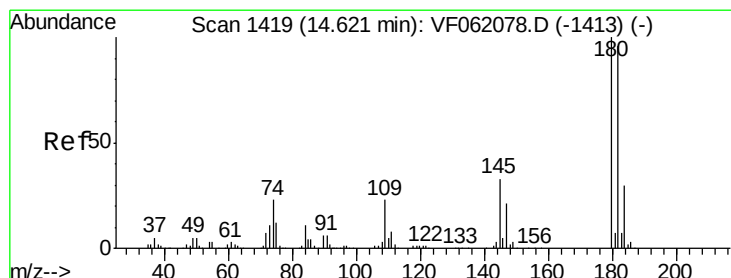
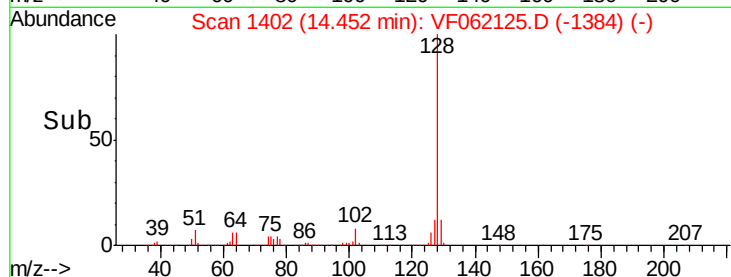
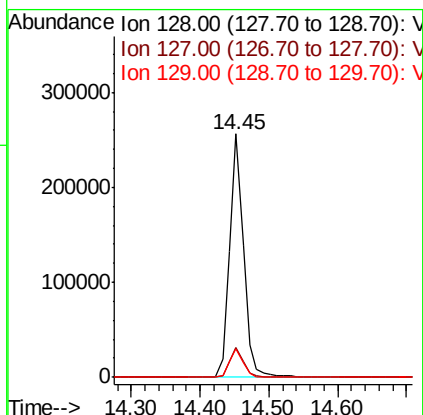
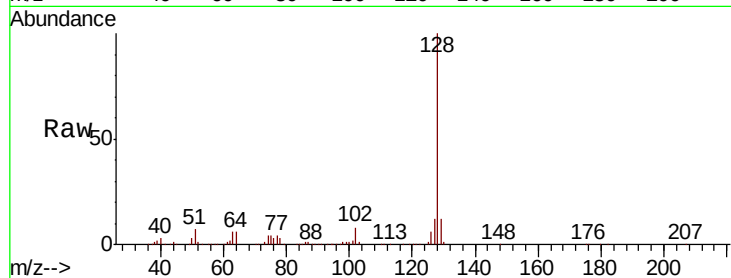




#95
Naphthalene
Concen: 57.077 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF062125.D
Acq: 23 Mar 2019 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

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

