

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032019\
 Data File : VF062034.D
 Acq On : 20 Mar 2019 12:20
 Operator : VA/AP
 Sample : VF0320SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Quant Time: Mar 20 12:46:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	241607	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	357044	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	292619	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	172072	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	97766	56.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.42%	
35) Dibromofluoromethane	4.09	113	135140	56.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.72%	
50) Toluene-d8	7.53	98	377741	53.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.78%	
62) 4-Bromofluorobenzene	11.39	95	146422	52.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	58775	22.820	ug/l	95
3) Chloromethane	1.09	50	62390	23.837	ug/l #	89
4) Vinyl Chloride	1.14	62	58841	23.244	ug/l	100
5) Bromomethane	1.32	94	39027	21.946	ug/l	96
6) Chloroethane	1.40	64	28579	21.869	ug/l	94
7) Trichlorofluoromethane	1.48	101	75791	22.599	ug/l	94
8) Diethyl Ether	1.62	74	16249	21.795	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	53867	22.797	ug/l	94
10) Methyl Iodide	1.84	142	18758	4.536	ug/l	94
11) Tert butyl alcohol	2.56	59	10690	100.449	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	47532	23.309	ug/l	93
13) Acrolein	1.99	56	7635	66.457	ug/l	89
14) Allyl chloride	2.09	41	54638	20.991	ug/l	93
15) Acrylonitrile	2.92	53	36620	113.156	ug/l	92
16) Acetone	2.23	43	54987	140.797	ug/l	100
17) Carbon Disulfide	1.82	76	101799	17.262	ug/l	99
18) Methyl Acetate	2.42	43	20410	25.545	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	81114	21.952	ug/l	93
20) Methylene Chloride	2.17	84	18704	9.303	ug/l	92
21) trans-1,2-Dichloroethene	2.29	96	50688	23.820	ug/l	96
22) Diisopropyl ether	2.79	45	140572	22.452	ug/l	99
23) Vinyl Acetate	3.17	43	290257	117.600	ug/l	100
24) 1,1-Dichloroethane	2.86	63	83846	23.031	ug/l	97
25) 2-Butanone	4.31	43	85826	110.965	ug/l	96
26) 2,2-Dichloropropane	3.58	77	36815	21.439	ug/l	93
27) cis-1,2-Dichloroethene	3.45	96	63714	23.755	ug/l	90
28) Bromochloromethane	3.69	49	32645	21.611	ug/l	97
29) Tetrahydrofuran	4.06	42	32546	96.756	ug/l	96
30) Chloroform	3.84	83	92736	22.482	ug/l	97
31) Cyclohexane	3.66	56	48610	13.628	ug/l	95
32) 1,1,1-Trichloroethane	4.08	97	52283	19.086	ug/l	96
36) 1,1-Dichloropropene	4.26	75	76486	23.722	ug/l	97
37) Ethyl Acetate	4.09	43	30866	21.320	ug/l #	94
38) Carbon Tetrachloride	3.97	117	53185	22.570	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	84086	22.214	ug/l	98
40) Benzene	4.61	78	203498	23.819	ug/l	100
41) Methacrylonitrile	4.73	41	16155	20.886	ug/l #	85
42) 1,2-Dichloroethane	4.93	62	49328	23.193	ug/l	98
43) Isopropyl Acetate	6.94	43	36536	21.330	ug/l #	96
44) Trichloroethene	5.48	130	64783	24.753	ug/l	98
45) 1,2-Dichloropropane	6.22	63	45730	22.617	ug/l	95
46) Dibromomethane	6.06	93	28155	23.408	ug/l	95
47) Bromodichloromethane	6.37	83	65639	23.148	ug/l	95
48) Methyl methacrylate	6.70	41	23209	20.965	ug/l #	81
49) 1,4-Dioxane	6.69	88	4854	492.937	ug/l #	65
51) 4-Methyl-2-Pentanone	8.24	43	139088	114.349	ug/l	95
52) Toluene	7.60	92	118330	22.668	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	52919	22.105	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	72267	23.135	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	32846	22.545	ug/l	96
56) Ethyl methacrylate	8.59	69	34491	20.826	ug/l	92
57) 1,3-Dichloropropane	8.83	76	53776	22.127	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	23605	78.688	ug/l	92
59) 2-Hexanone	9.47	43	101398	115.188	ug/l	92
60) Dibromochloromethane	8.69	129	46416	22.949	ug/l	96
61) 1,2-Dibromoethane	8.97	107	35407	22.656	ug/l	99
64) Tetrachloroethene	8.13	164	52571	24.716	ug/l	94
65) Chlorobenzene	9.78	112	125355	23.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	53847	25.499	ug/l	97
67) Ethyl Benzene	9.88	91	225543	24.178	ug/l	97
68) m/p-Xylenes	10.11	106	170010	48.457	ug/l	97
69) o-Xylene	10.69	106	83880	22.343	ug/l	88
70) Styrene	10.77	104	127788	24.570	ug/l	97
71) Bromoform	10.75	173	25528	23.899	ug/l #	92
73) Isopropylbenzene	11.11	105	278698	23.444	ug/l	98
74) N-amyl acetate	11.36	43	62221	22.842	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	42418	21.617	ug/l	87
76) 1,2,3-Trichloropropane	11.78	75	30395	22.152	ug/l	93
77) Bromobenzene	11.48	156	58870	21.384	ug/l	88
78) n-propylbenzene	11.57	91	304619	22.285	ug/l	93
79) 2-Chlorotoluene	11.70	91	173885	22.537	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	220484	22.960	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	16437	27.079	ug/l #	83
82) 4-Chlorotoluene	11.88	91	167413	21.456	ug/l	94
83) tert-Butylbenzene	12.11	119	230320	22.934	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	213101	22.155	ug/l	100
85) sec-Butylbenzene	12.29	105	309175	22.786	ug/l	99
86) p-Isopropyltoluene	12.44	119	269040	23.762	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	126325	23.347	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	121345	23.300	ug/l	96
89) n-Butylbenzene	12.82	91	259385	24.381	ug/l	94
90) Hexachloroethane	12.90	117	61728	23.890	ug/l	92
91) 1,2-Dichlorobenzene	12.92	146	116788	23.305	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6895	21.897	ug/l	63

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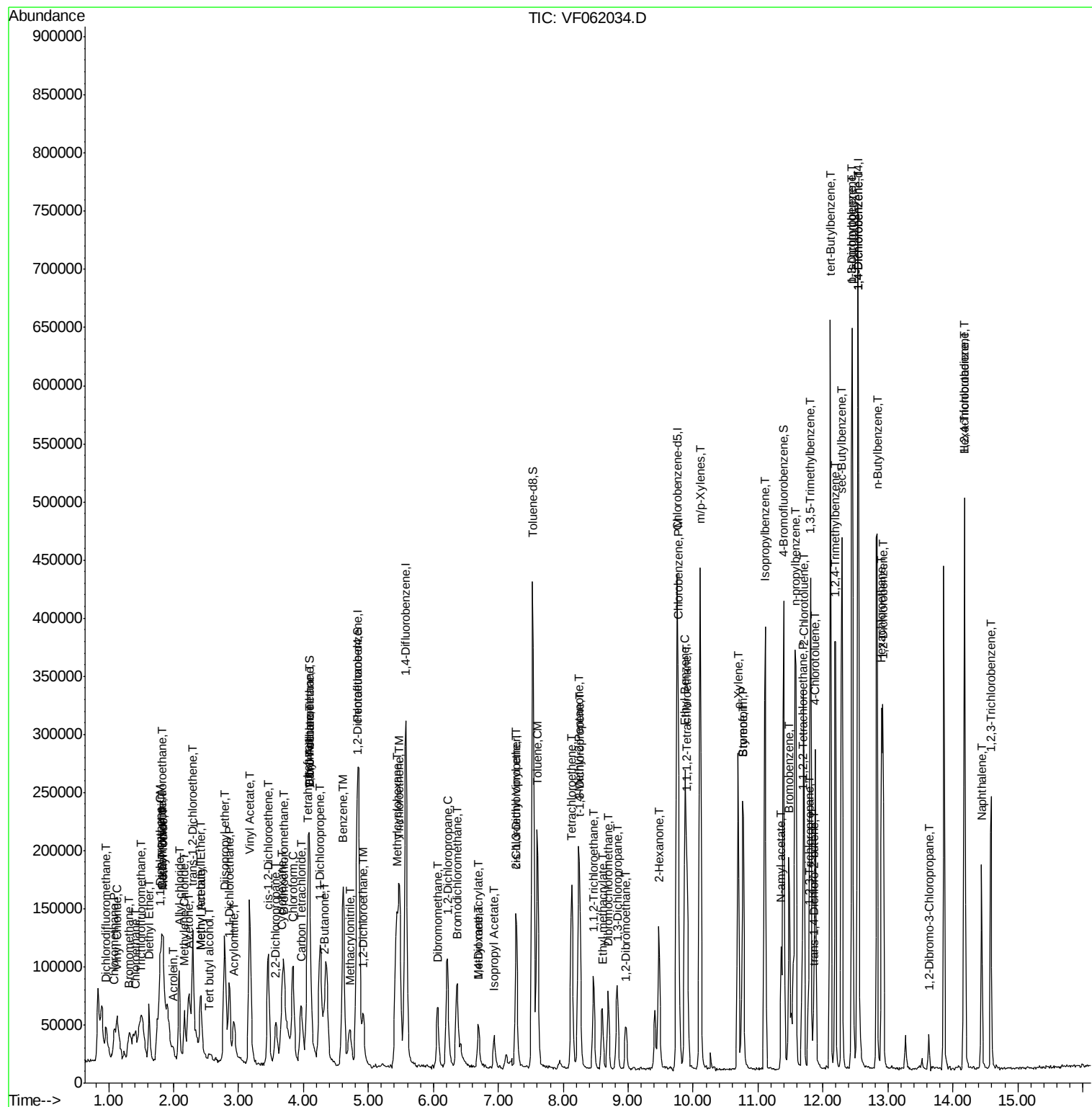
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	80144	22.966	ug/l	99
94) Hexachlorobutadiene	14.18	225	53876	23.255	ug/l	95
95) Naphthalene	14.44	128	130561	20.802	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	76205	23.736	ug/l	96

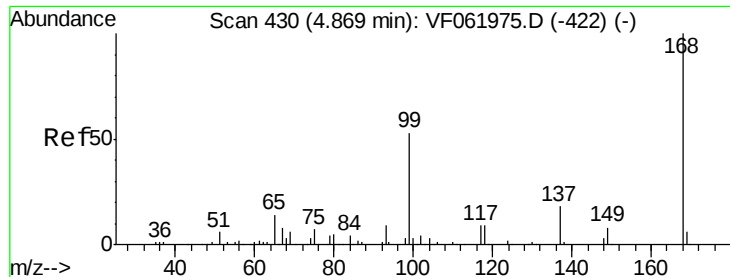
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

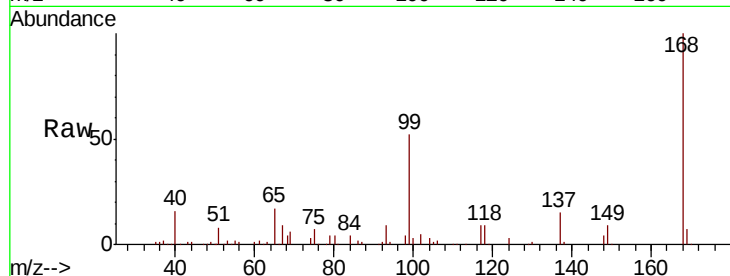
VF0320SBS01

Tgt Ion:168 Resp: 241607

Ion Ratio Lower Upper

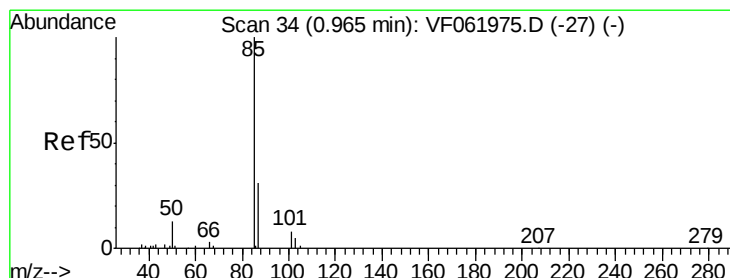
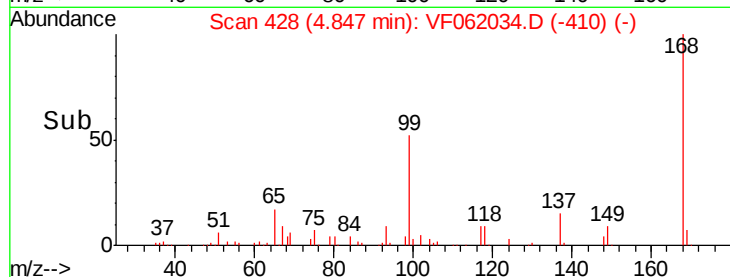
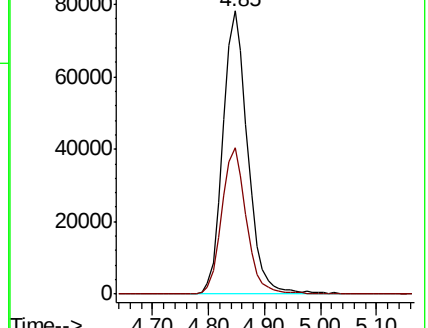
168 100

99 51.8 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.820 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062034.D

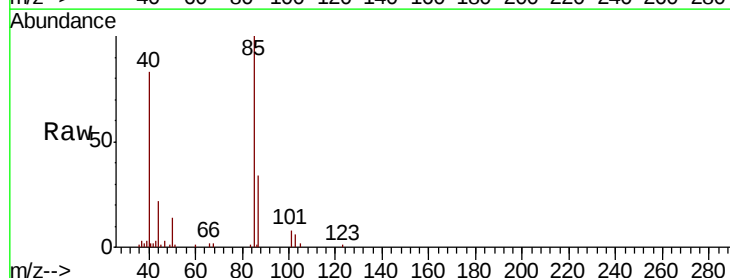
Acq: 20 Mar 2019 12:20

Tgt Ion: 85 Resp: 58775

Ion Ratio Lower Upper

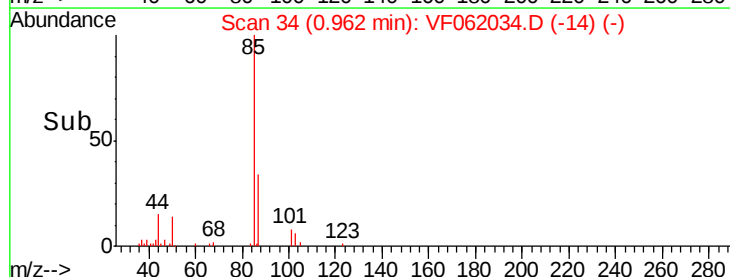
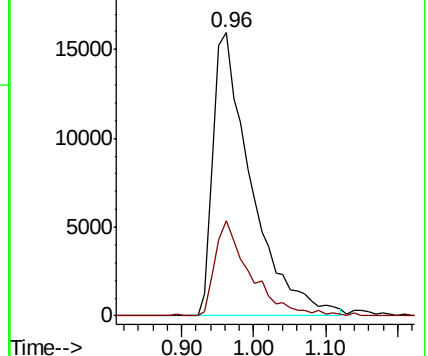
85 100

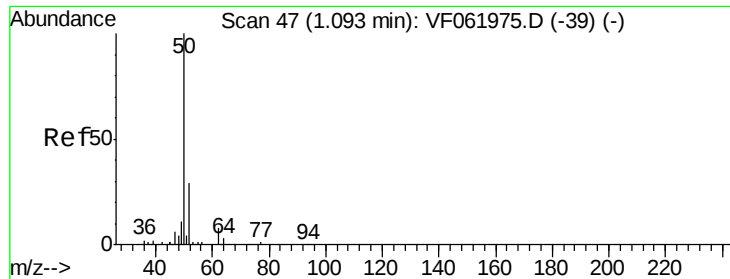
87 33.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

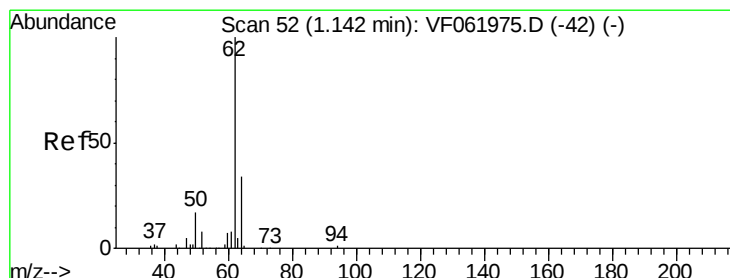
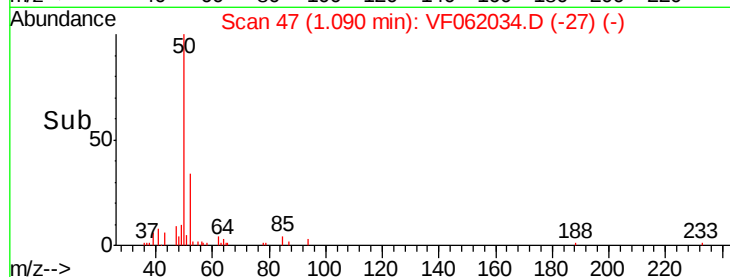
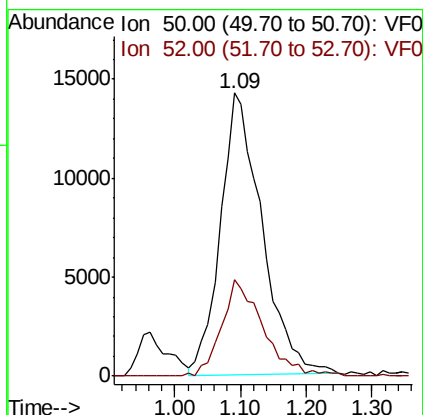
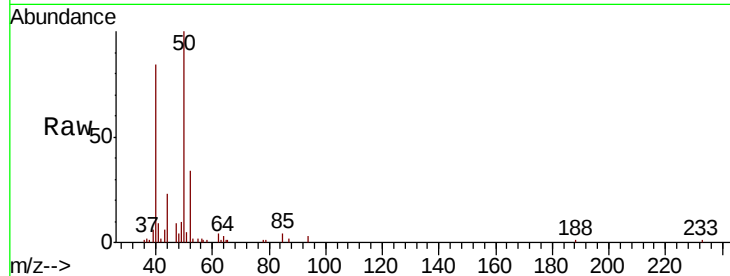




#3
Chloromethane
Concen: 23.837 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

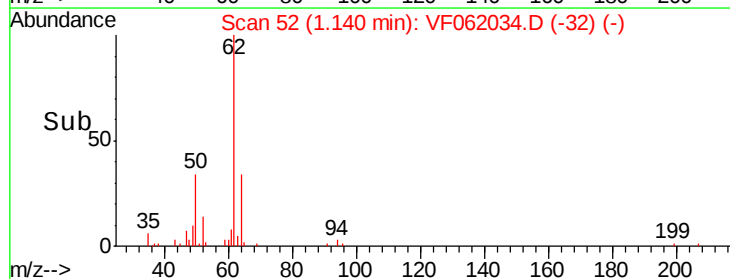
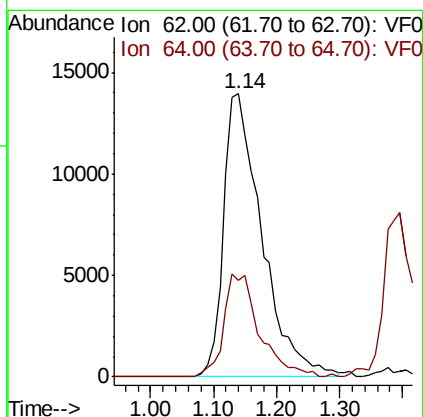
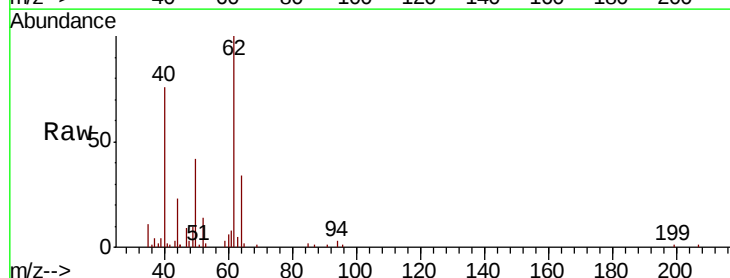
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

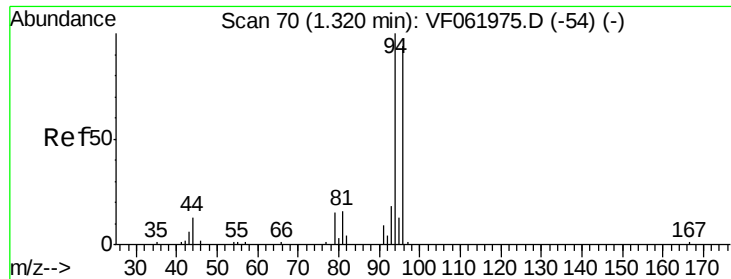
Tgt Ion: 50 Resp: 62390
Ion Ratio Lower Upper
50 100
52 34.2 22.6 34.0#



#4
Vinyl Chloride
Concen: 23.244 ug/l
RT: 1.14 min Scan# 52
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 62 Resp: 58841
Ion Ratio Lower Upper
62 100
64 34.1 27.4 41.2





#5

Bromomethane

Concen: 21.946 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

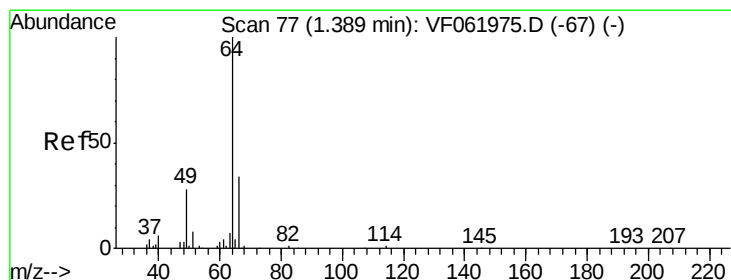
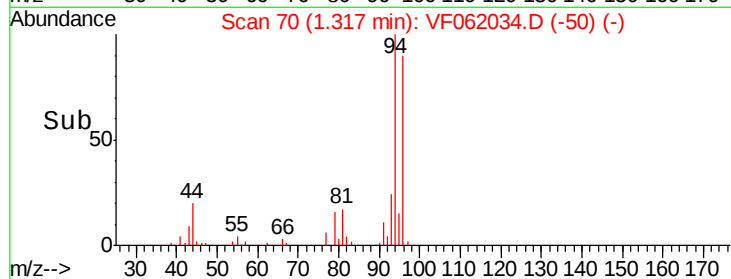
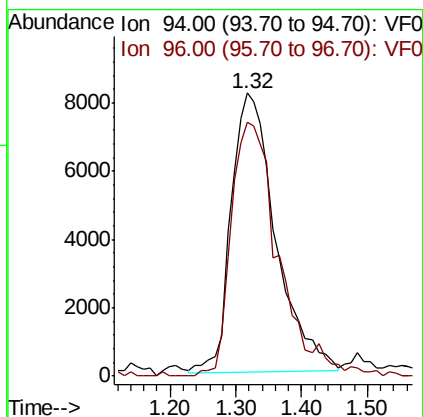
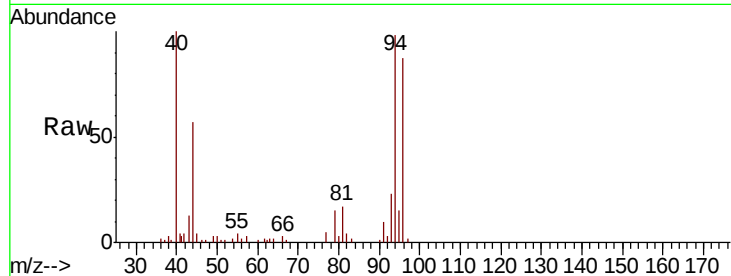
VF0320SBS01

Tgt Ion: 94 Resp: 39027

Ion Ratio Lower Upper

94 100

96 89.5 75.0 112.6



#6

Chloroethane

Concen: 21.869 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF062034.D

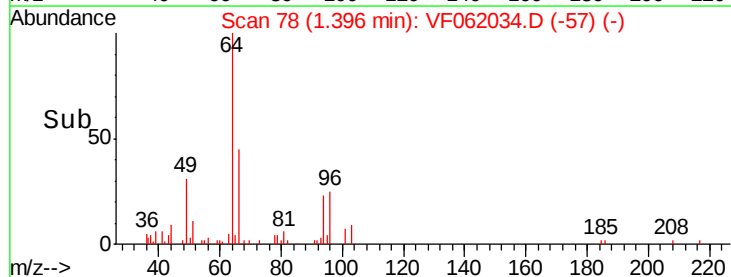
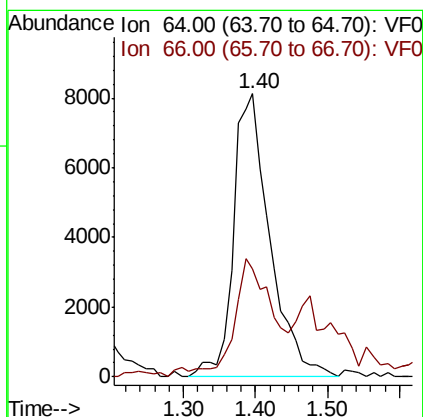
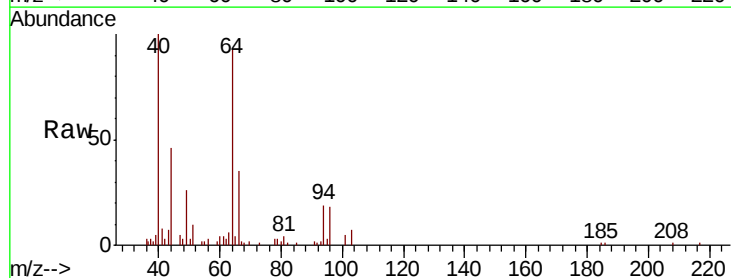
Acq: 20 Mar 2019 12:20

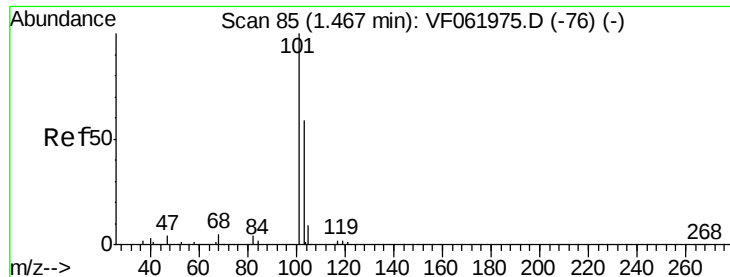
Tgt Ion: 64 Resp: 28579

Ion Ratio Lower Upper

64 100

66 38.2 27.6 41.4



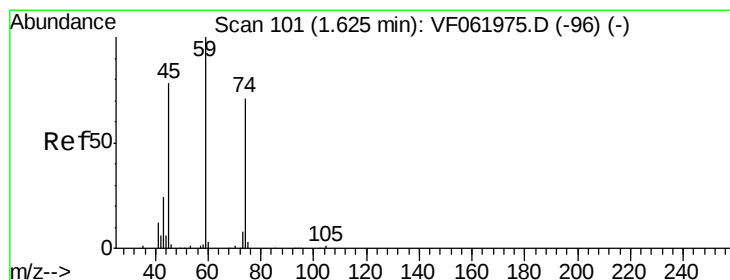
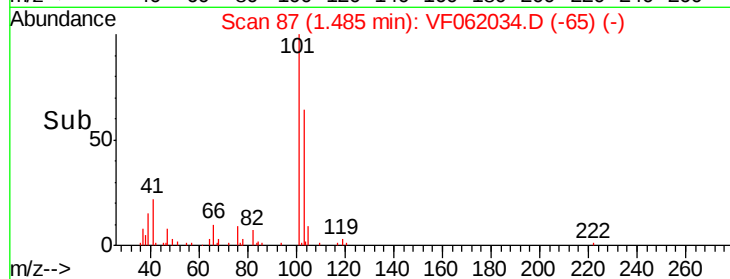
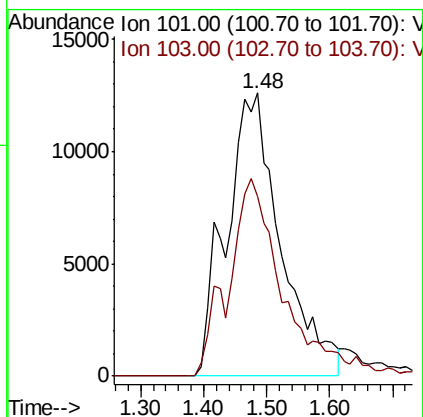
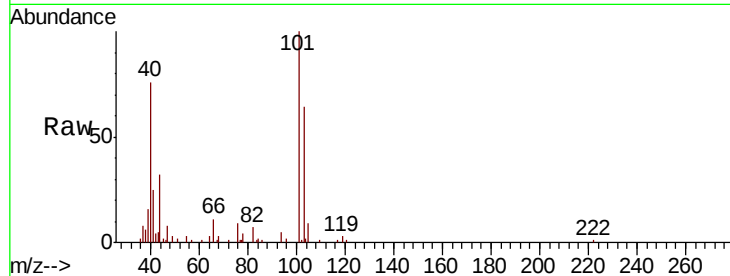


#7

Trichlorofluoromethane
Concen: 22.599 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
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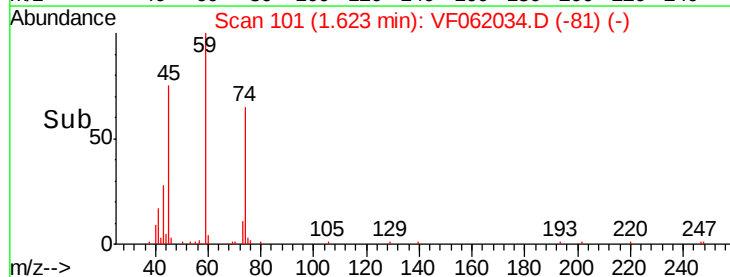
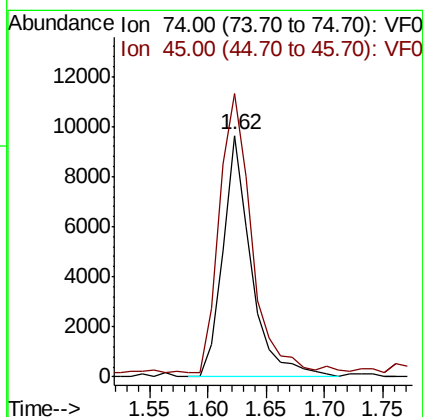
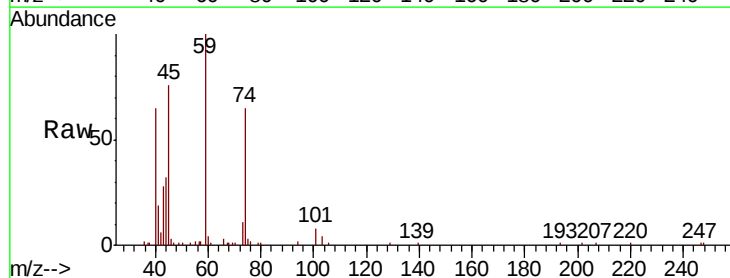
Tgt Ion:101 Resp: 75791
Ion Ratio Lower Upper
101 100
103 63.7 47.3 70.9

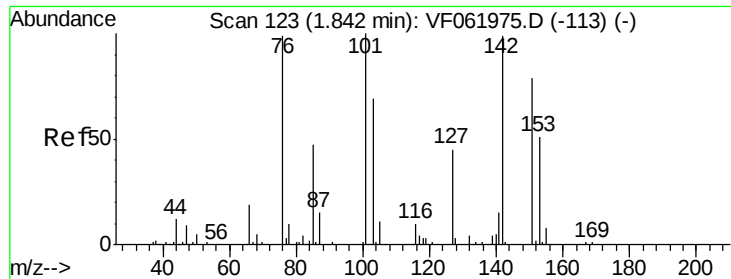


#8

Diethyl Ether
Concen: 21.795 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 74 Resp: 16249
Ion Ratio Lower Upper
74 100
45 117.2 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.797 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

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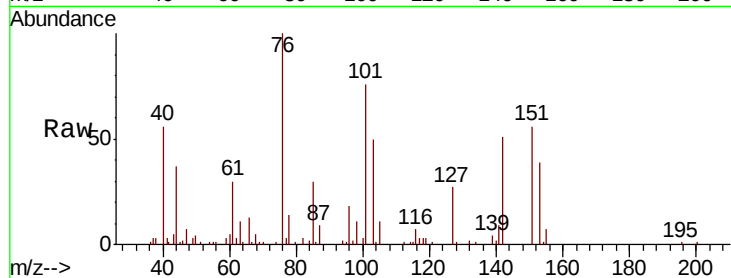
Tgt Ion:101 Resp: 53867

Ion Ratio Lower Upper

101 100

85 41.2 36.8 55.2

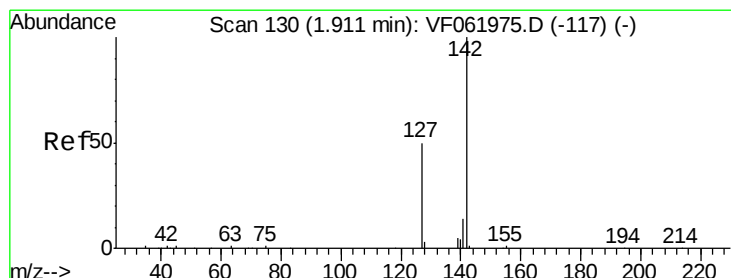
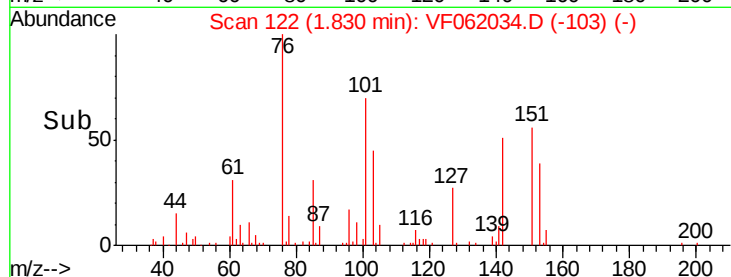
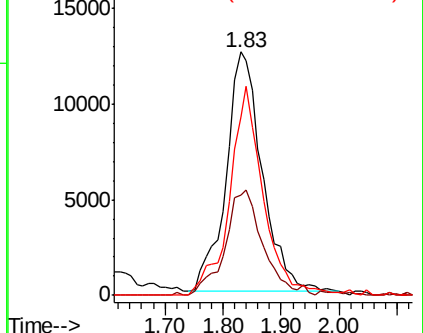
151 73.3 62.2 93.2



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: 4.536 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.07 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

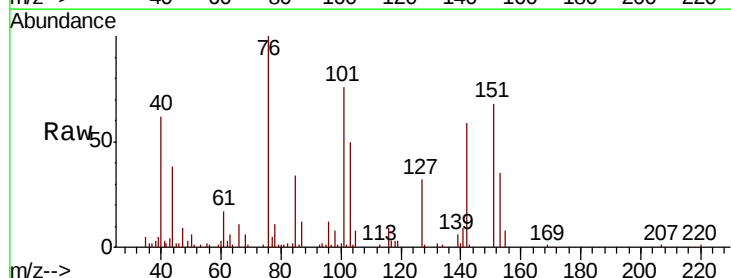
Tgt Ion:142 Resp: 18758

Ion Ratio Lower Upper

142 100

127 53.8 39.7 59.5

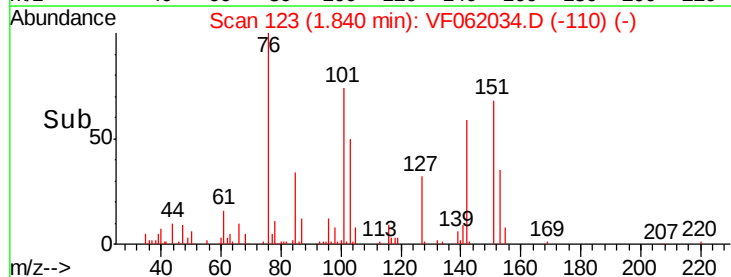
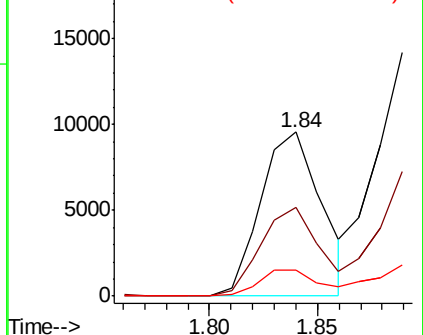
141 15.8 10.8 16.2

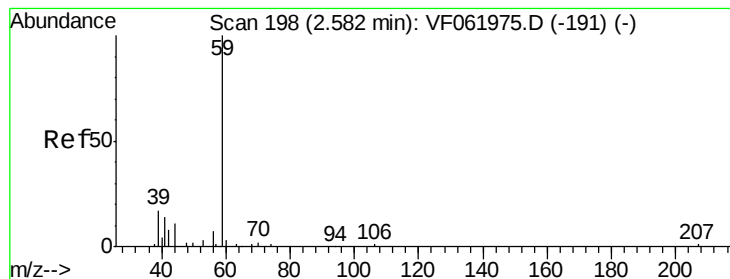


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



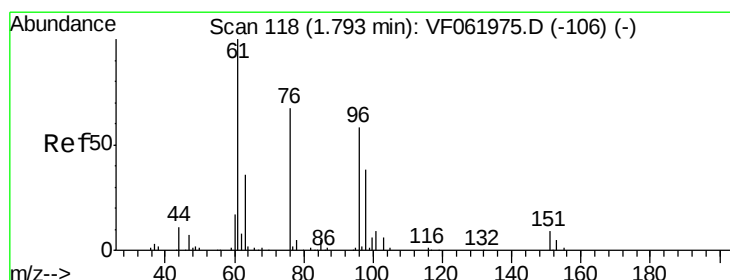
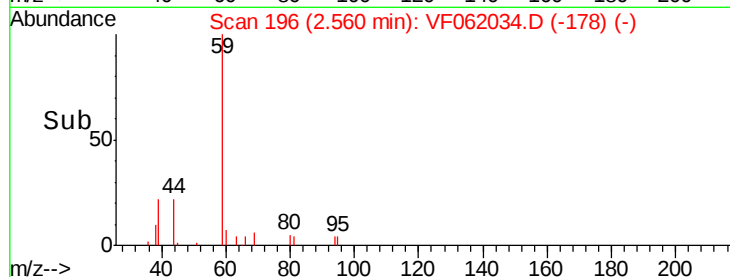
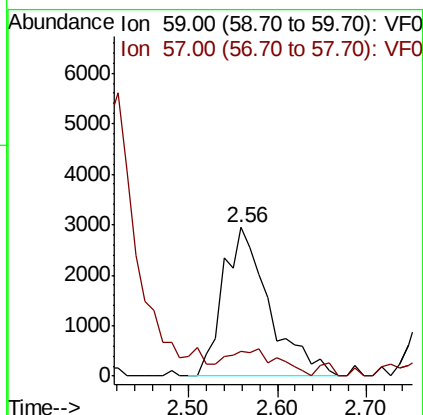
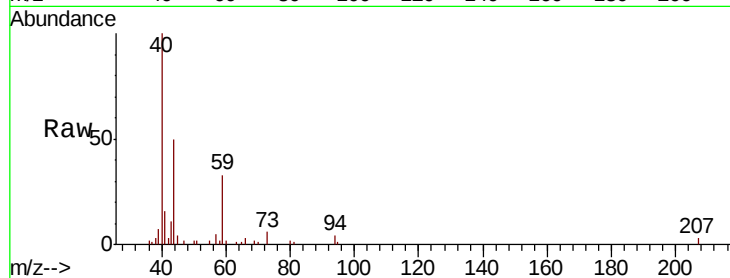


#11

Tert butyl alcohol
Concen: 100.449 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

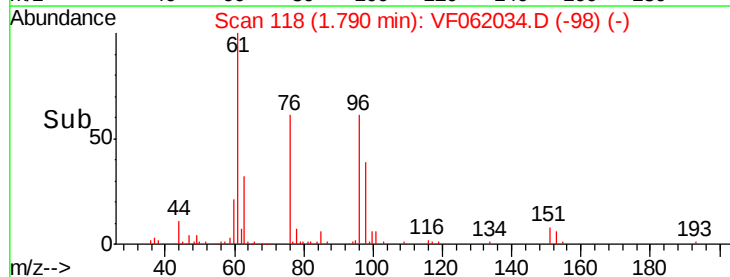
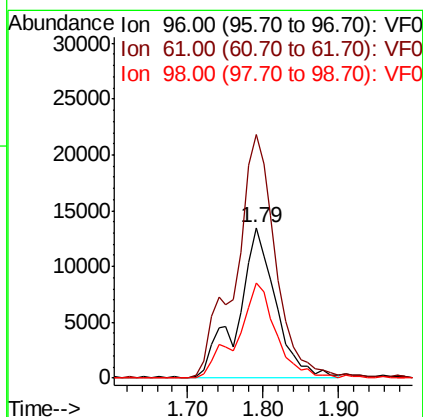
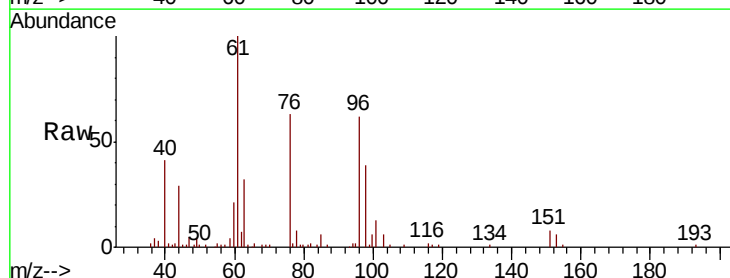
Tgt Ion: 59 Resp: 10690
Ion Ratio Lower Upper
59 100
57 16.4 8.7 13.1#

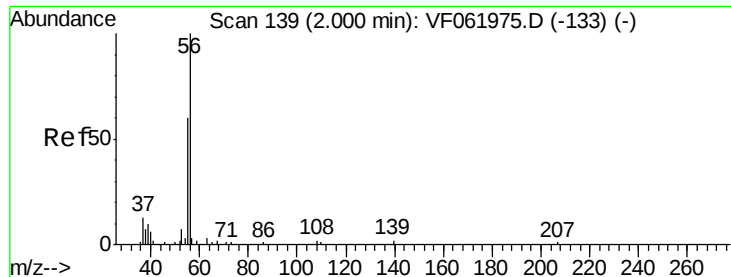


#12

1,1-Dichloroethene
Concen: 23.309 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 96 Resp: 47532
Ion Ratio Lower Upper
96 100
61 162.1 138.6 208.0
98 62.9 53.2 79.8





#13

Acrolein

Concen: 66.457 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

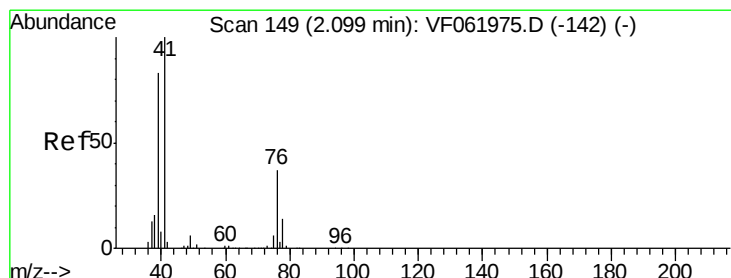
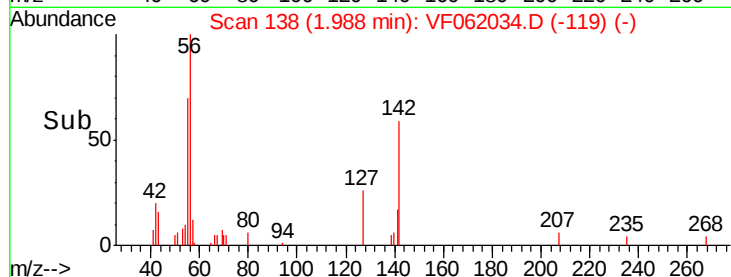
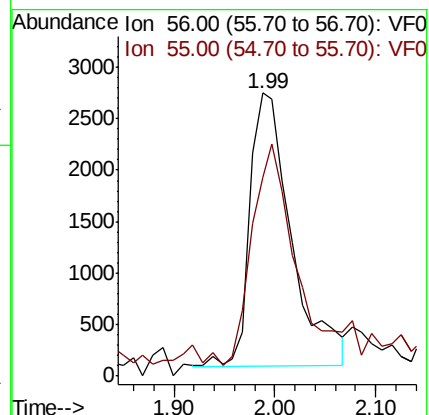
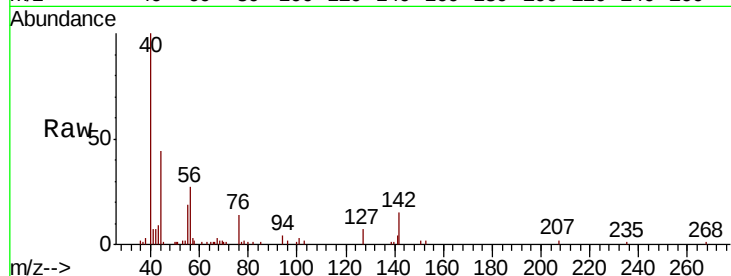
VF0320SBS01

Tgt Ion: 56 Resp: 7635

Ion Ratio Lower Upper

56 100

55 70.2 49.1 73.7



#14

Allyl chloride

Concen: 20.991 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

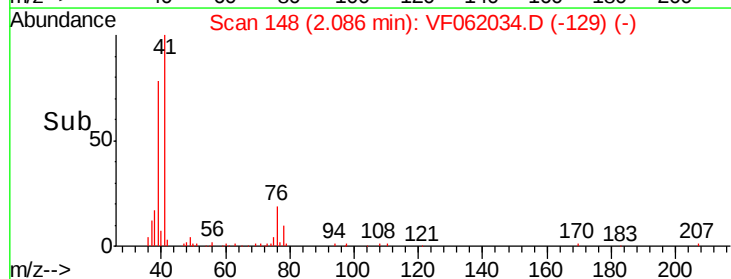
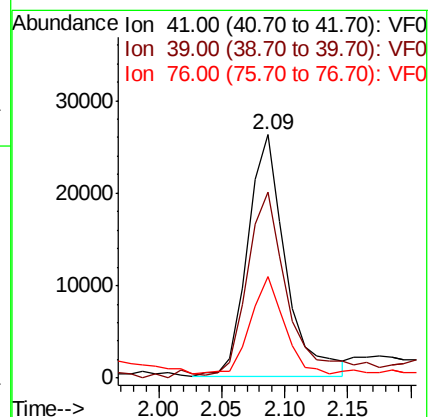
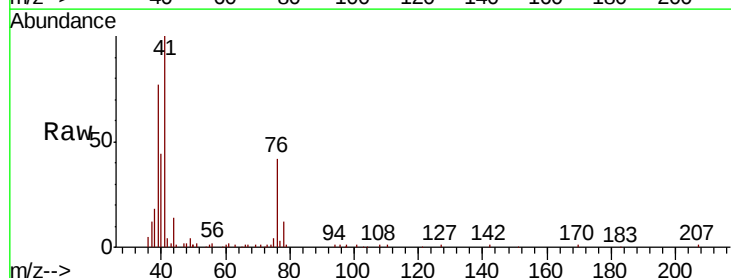
Tgt Ion: 41 Resp: 54638

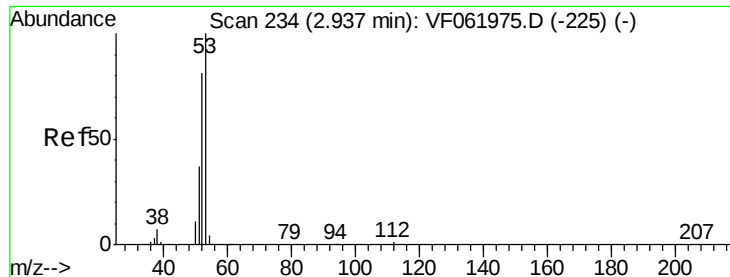
Ion Ratio Lower Upper

41 100

39 76.5 66.8 100.2

76 41.8 31.1 46.7

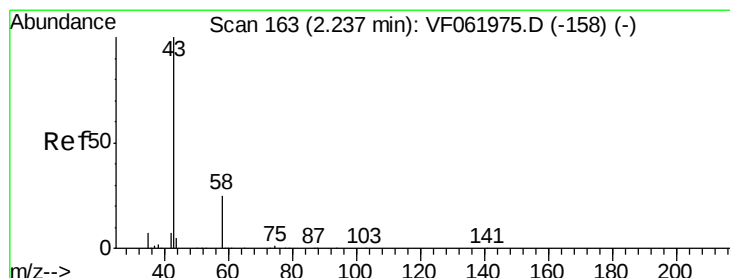
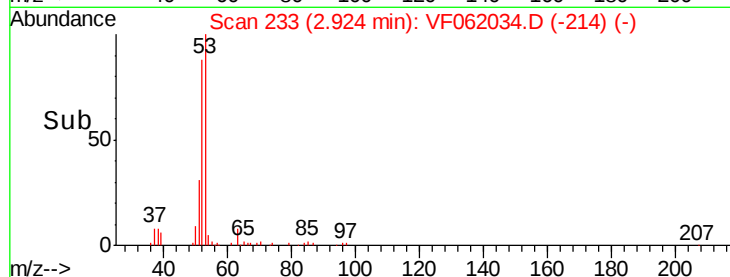
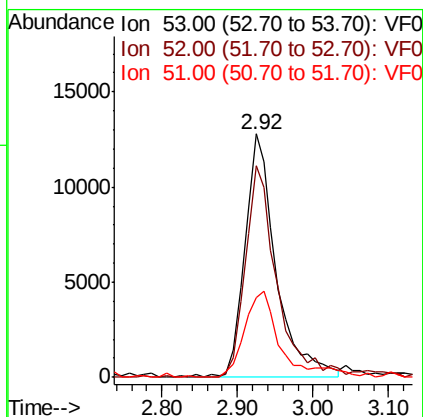
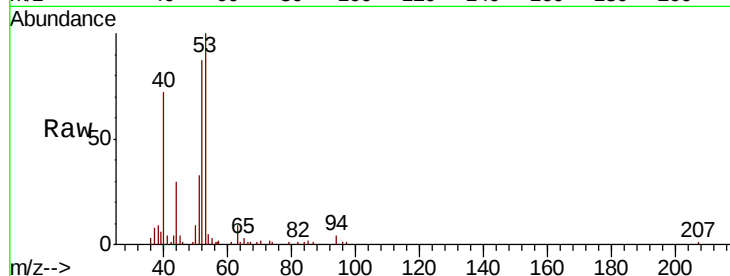




#15
 Acrylonitrile
 Concen: 113.156 ug/l
 RT: 2.92 min Scan# 233
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

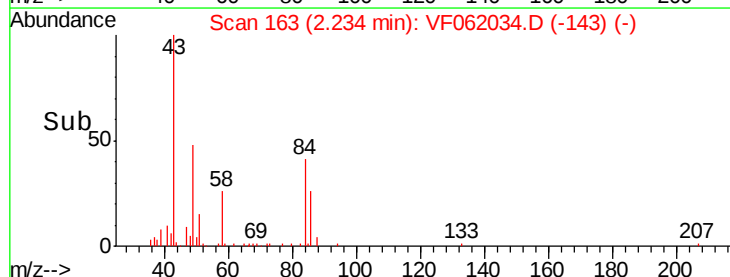
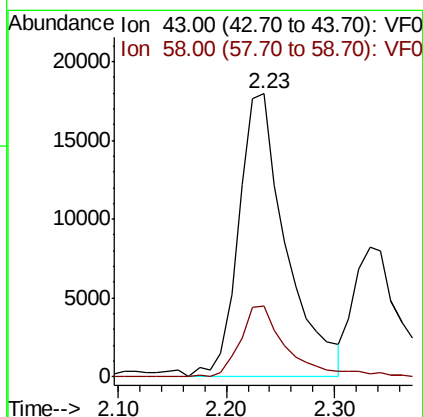
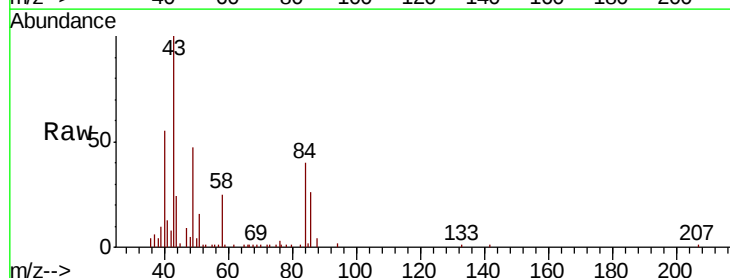
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

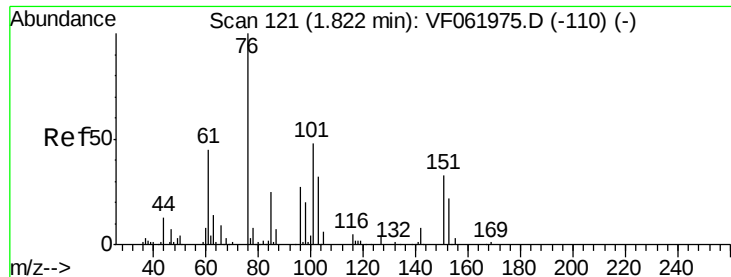
Tgt Ion: 53 Resp: 36620
 Ion Ratio Lower Upper
 53 100
 52 86.8 64.4 96.6
 51 32.7 30.3 45.5



#16
 Acetone
 Concen: 140.797 ug/l
 RT: 2.23 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion: 43 Resp: 54987
 Ion Ratio Lower Upper
 43 100
 58 24.9 19.9 29.9

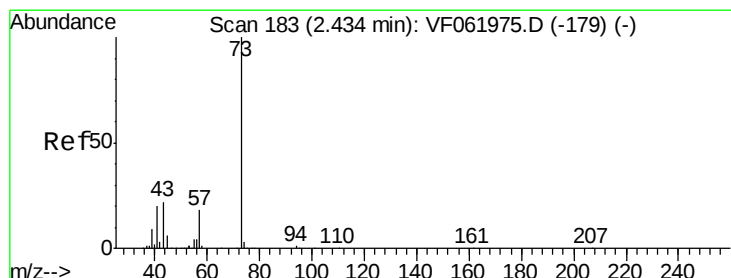
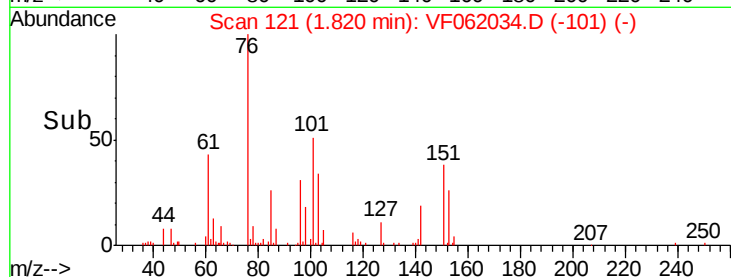
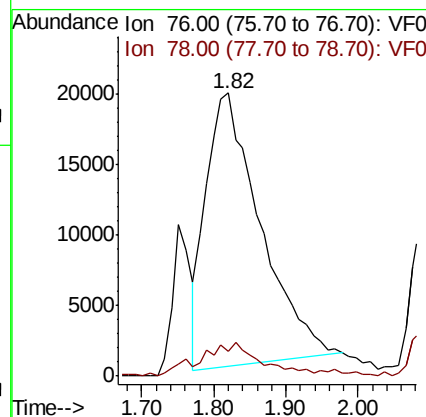
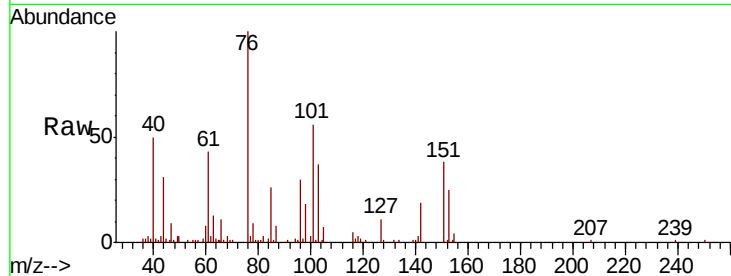




#17
Carbon Disulfide
Concen: 17.262 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

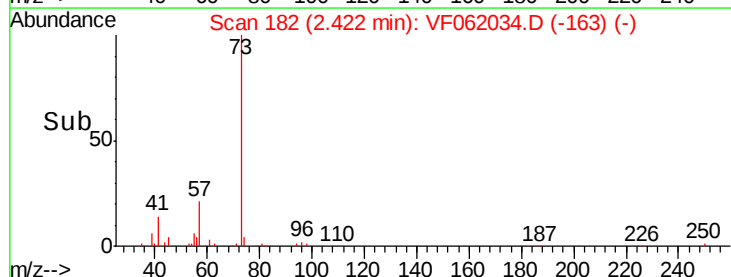
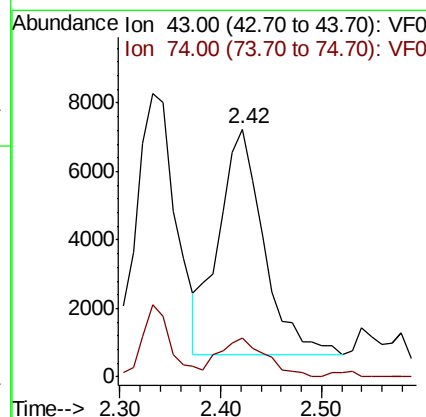
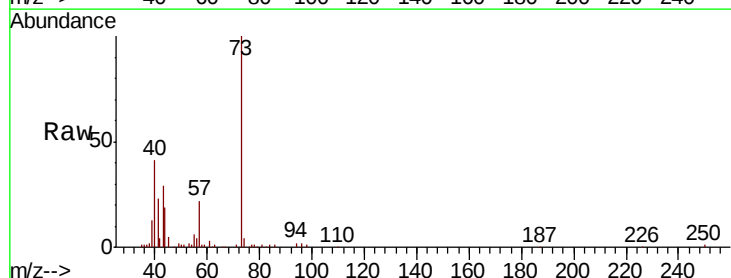
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

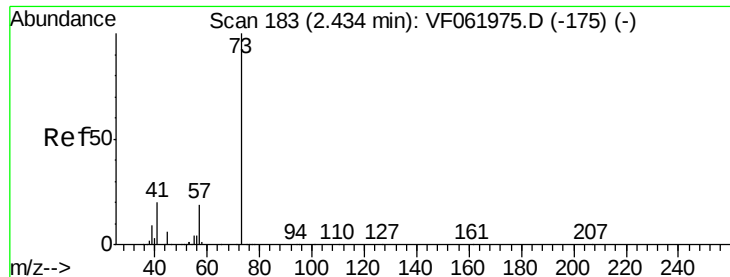
Tgt Ion: 76 Resp: 101799
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2



#18
Methyl Acetate
Concen: 25.545 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 43 Resp: 20410
Ion Ratio Lower Upper
43 100
74 15.5 12.6 18.8



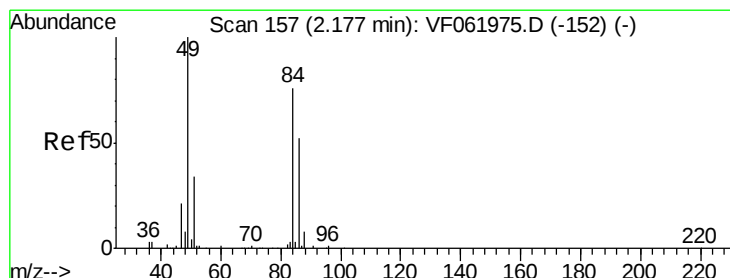
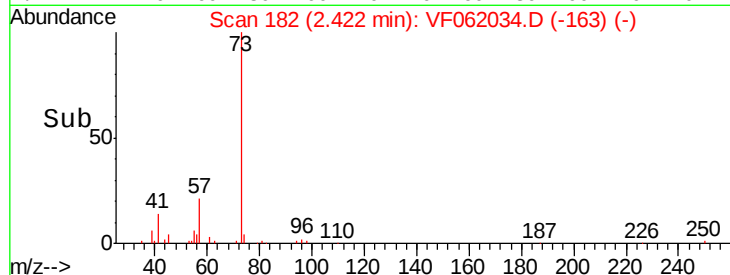
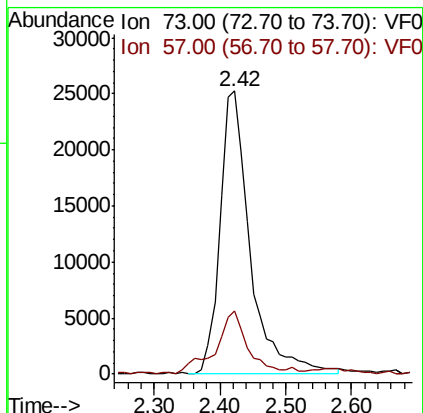
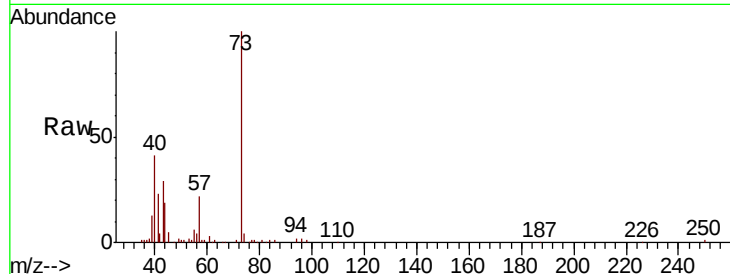


#19

Methyl tert-butyl Ether
 Concen: 21.952 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

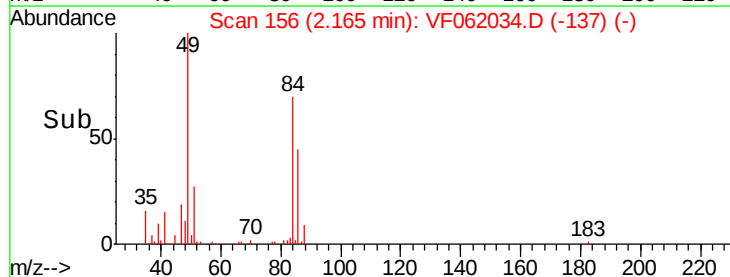
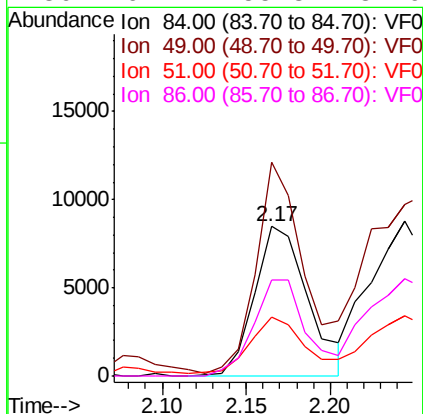
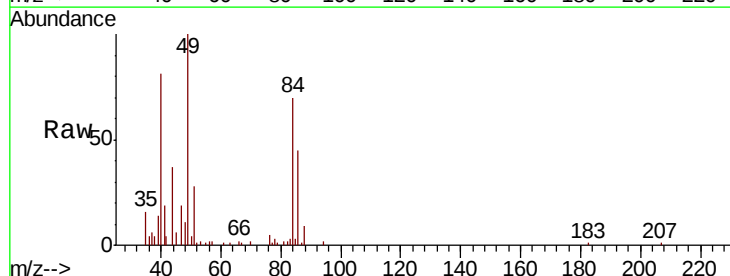
Tgt Ion: 73 Resp: 81114
 Ion Ratio Lower Upper
 73 100
 57 22.2 15.3 22.9

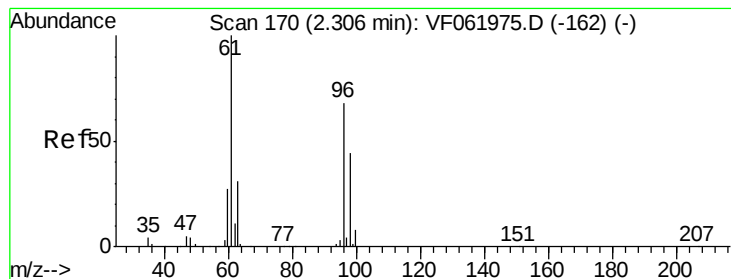


#20

Methylene Chloride
 Concen: 9.303 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion: 84 Resp: 18704
 Ion Ratio Lower Upper
 84 100
 49 143.1 107.0 160.6
 51 39.5 37.2 55.8
 86 64.4 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 23.820 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

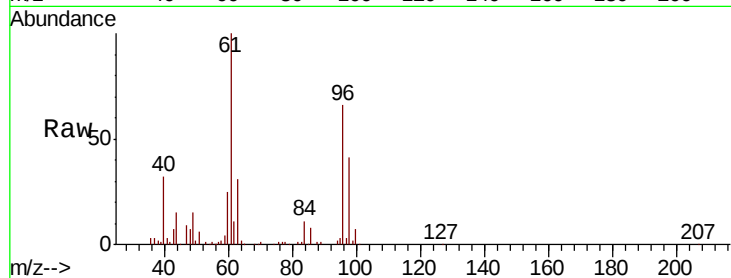
Tgt Ion: 96 Resp: 50688

Ion Ratio Lower Upper

96 100

61 151.8 117.4 176.2

98 61.5 51.2 76.8

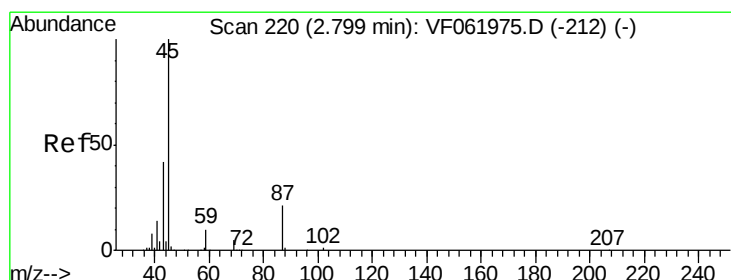
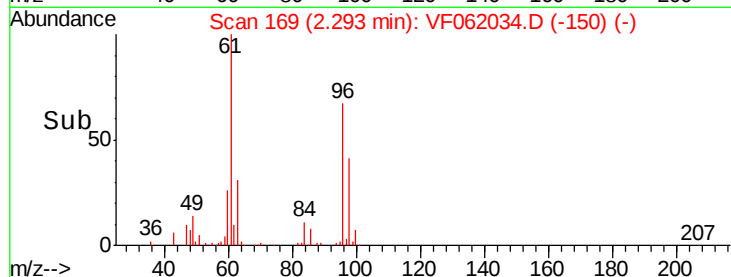
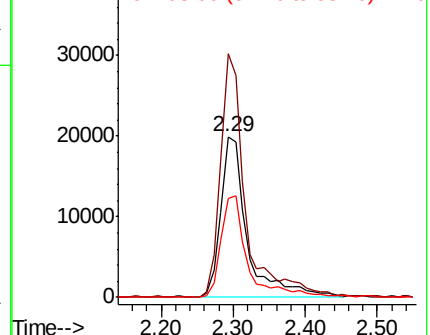


Abundance

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: 22.452 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion: 45 Resp: 140572

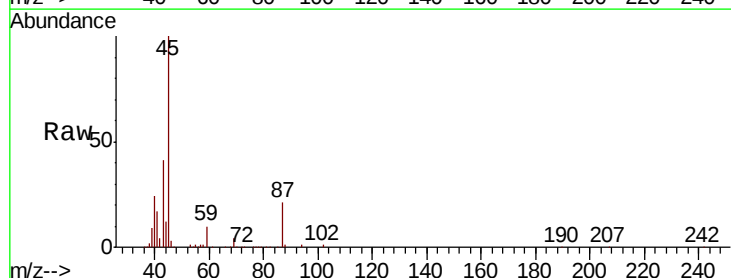
Ion Ratio Lower Upper

45 100

43 41.1 33.7 50.5

87 20.9 17.1 25.7

59 10.4 8.0 12.0



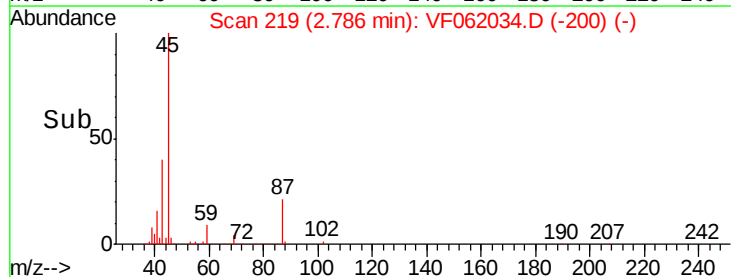
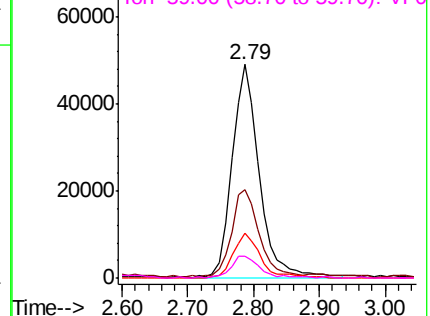
Abundance

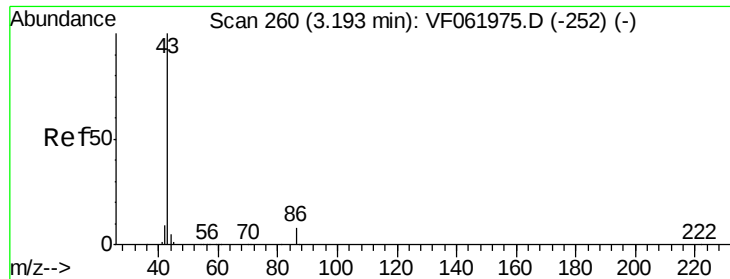
Ion 45.00 (44.70 to 45.70): VF0

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: 117.600 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

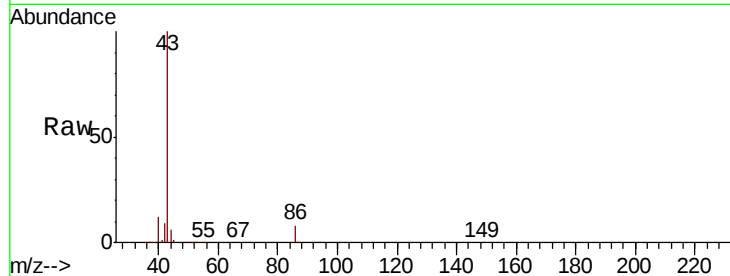
VF0320SBS01

Tgt Ion: 43 Resp: 290257

Ion Ratio Lower Upper

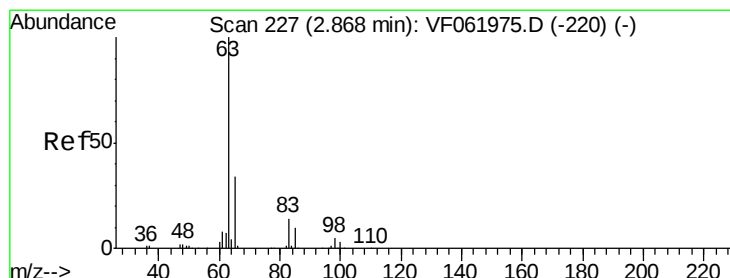
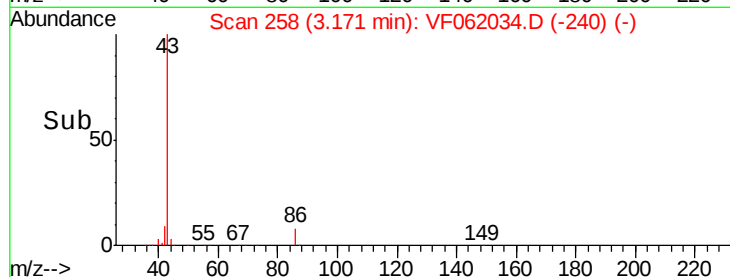
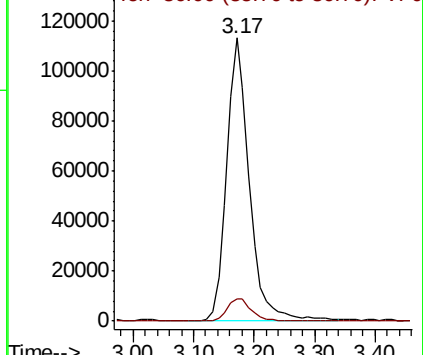
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.031 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

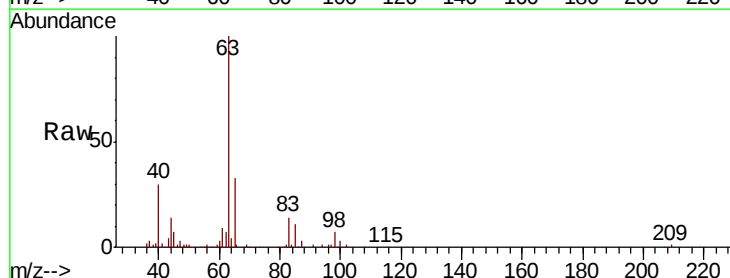
Tgt Ion: 63 Resp: 83846

Ion Ratio Lower Upper

63 100

98 6.7 2.7 8.1

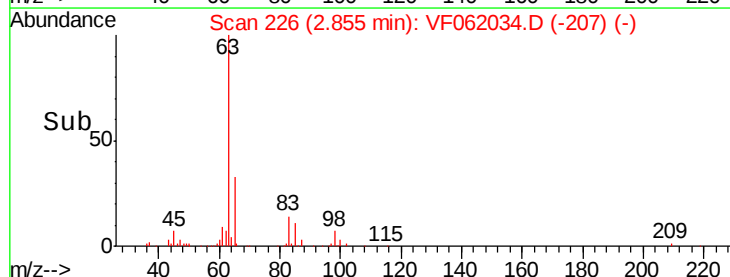
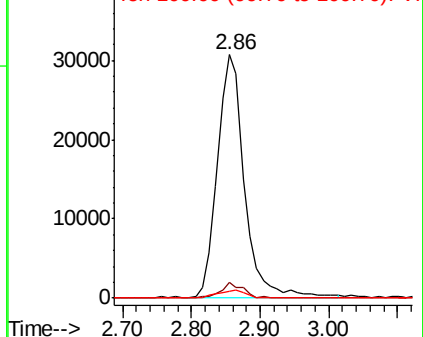
100 2.9 1.7 5.0

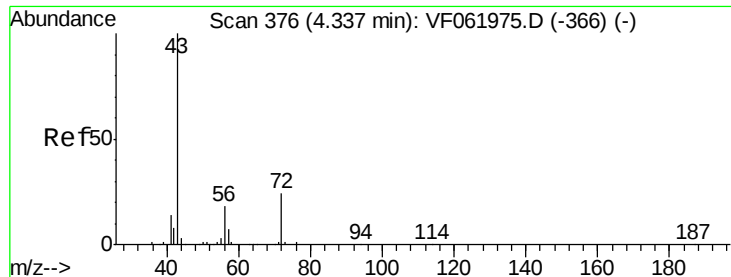


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 110.965 ug/l

RT: 4.31 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

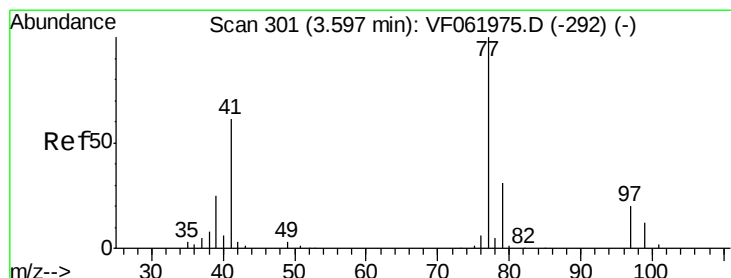
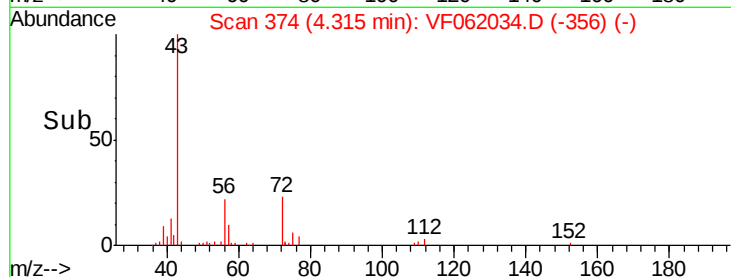
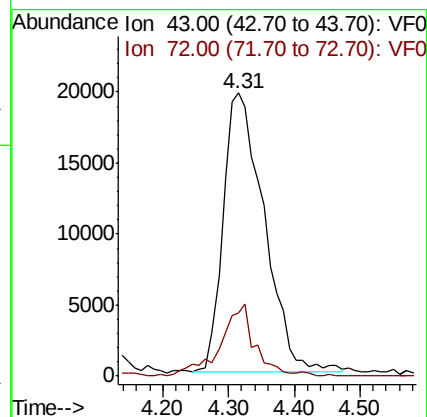
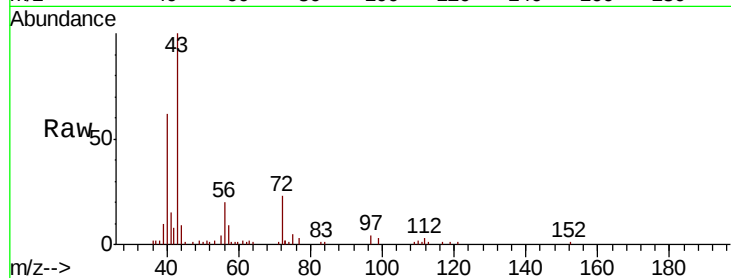
VF0320SBS01

Tgt Ion: 43 Resp: 85826

Ion Ratio Lower Upper

43 100

72 22.6 19.8 29.6



#26

2,2-Dichloropropane

Concen: 21.439 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF062034.D

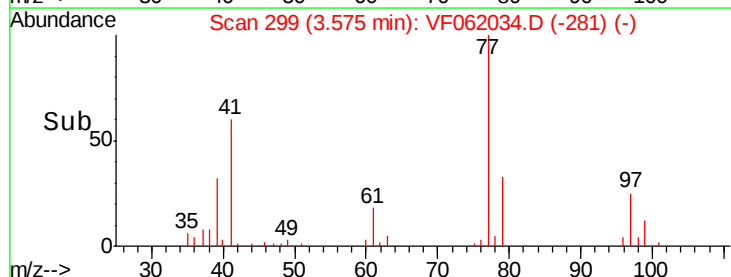
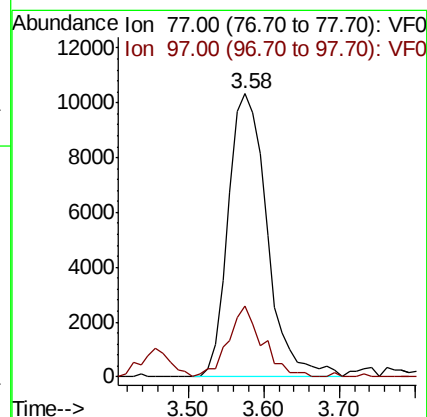
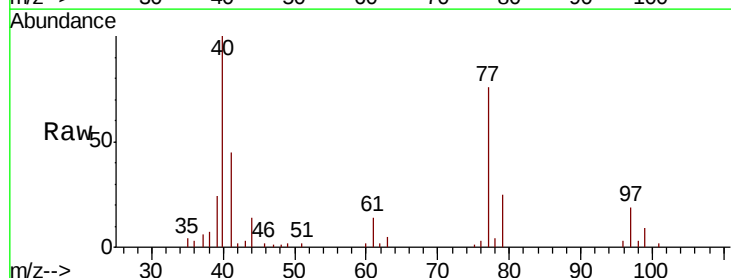
Acq: 20 Mar 2019 12:20

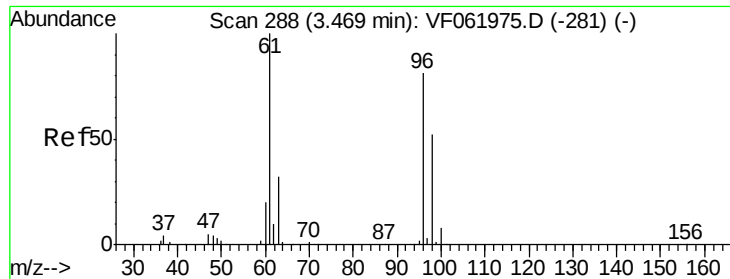
Tgt Ion: 77 Resp: 36815

Ion Ratio Lower Upper

77 100

97 25.0 10.8 32.4



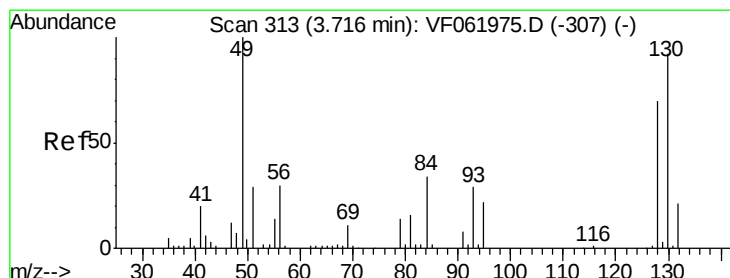
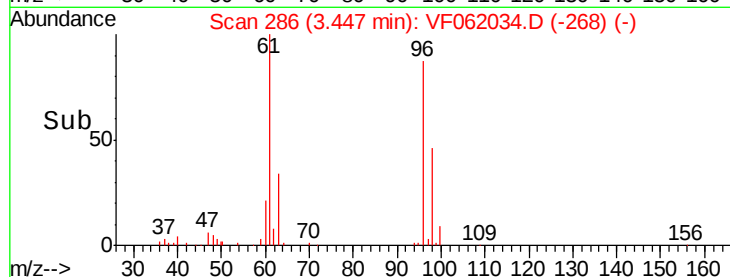
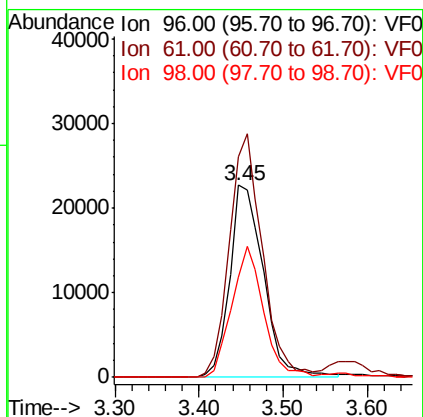
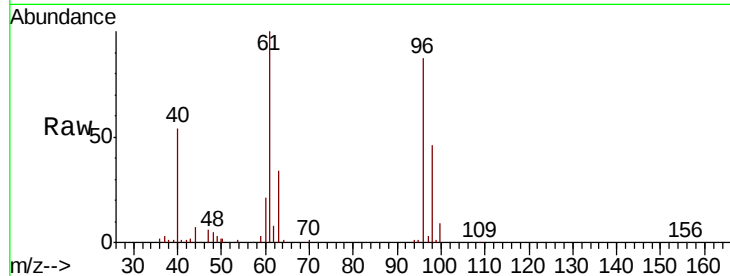


#27

cis-1,2-Dichloroethene
 Concen: 23.755 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

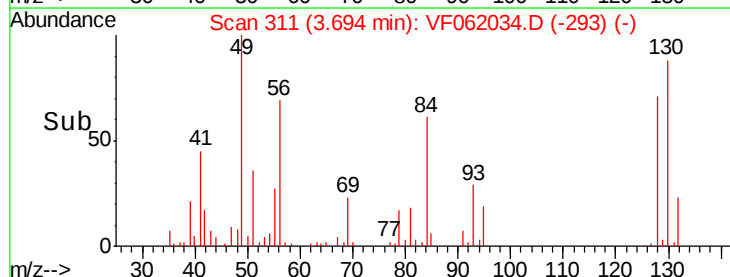
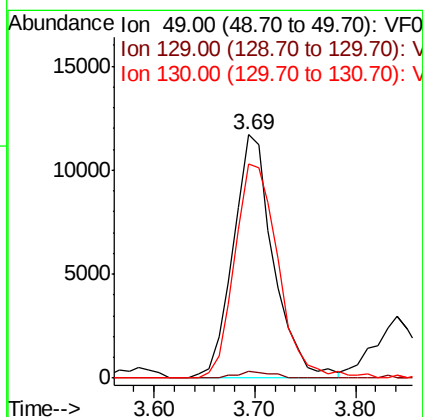
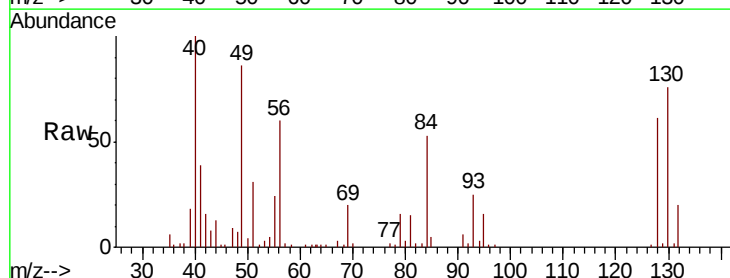
Tgt Ion: 96 Resp: 63714
 Ion Ratio Lower Upper
 96 100
 61 114.9 0.0 246.6
 98 52.4 0.0 129.2

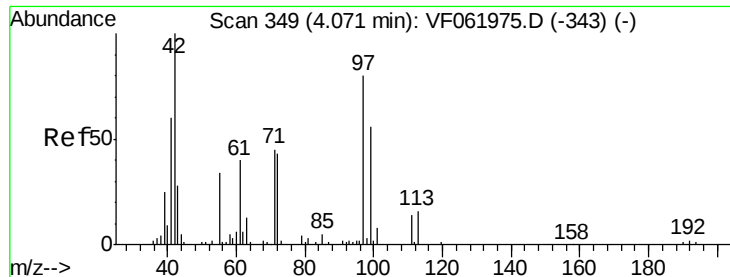


#28

Bromochloromethane
 Concen: 21.611 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion: 49 Resp: 32645
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.8
 130 88.1 73.1 109.7





#29

Tetrahydrofuran

Concen: 96.756 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

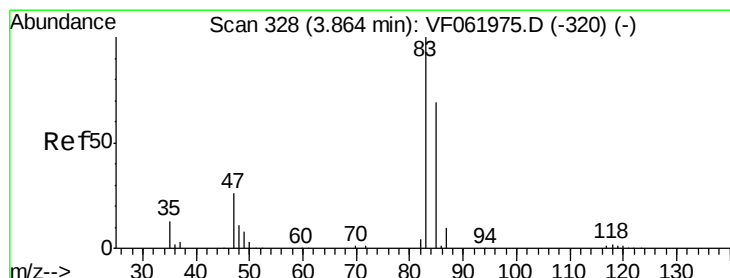
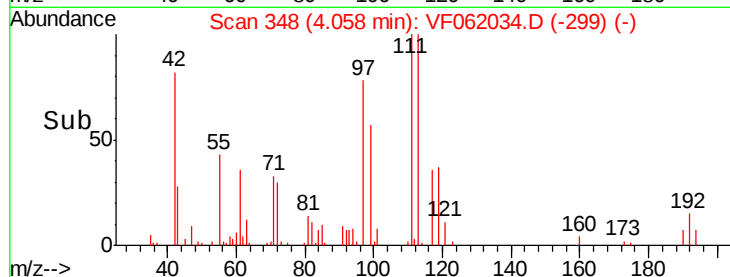
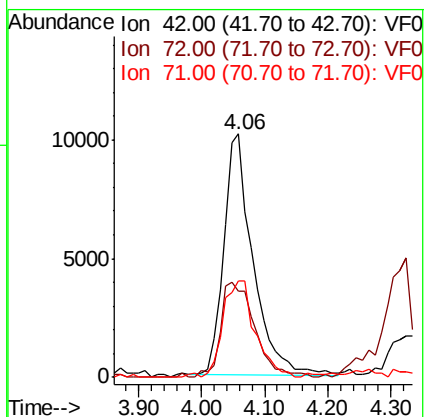
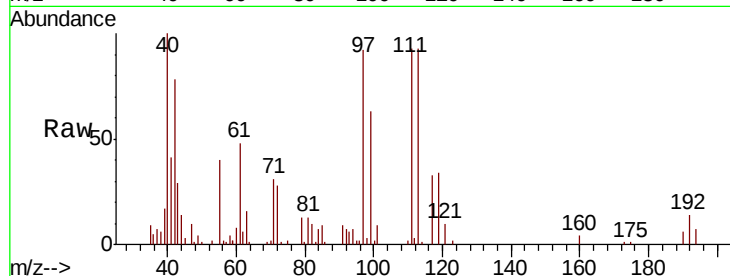
Tgt Ion: 42 Resp: 32546

Ion Ratio Lower Upper

42 100

72 46.3 34.0 51.0

71 44.7 34.2 51.4



#30

Chloroform

Concen: 22.482 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF062034.D

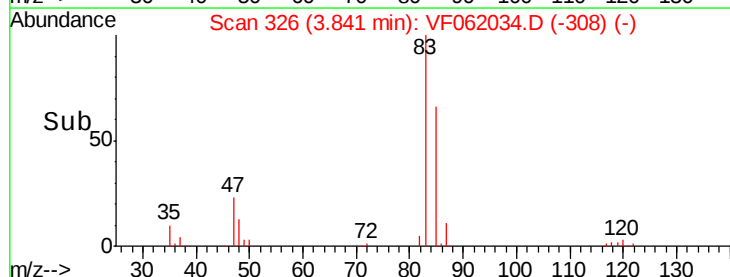
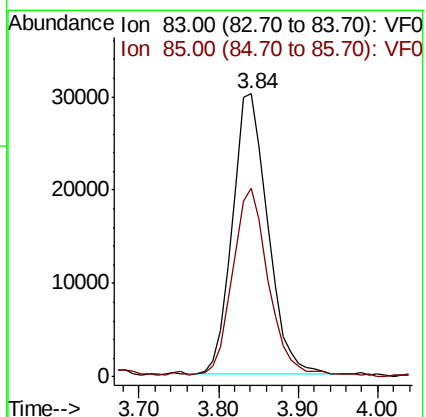
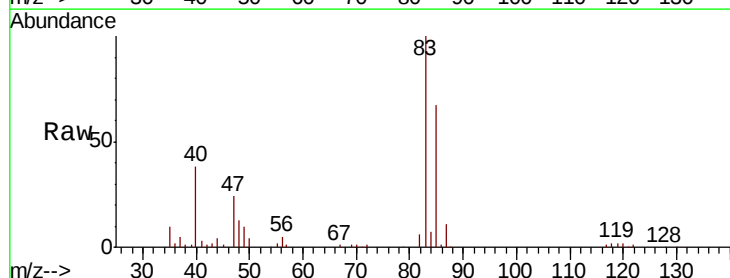
Acq: 20 Mar 2019 12:20

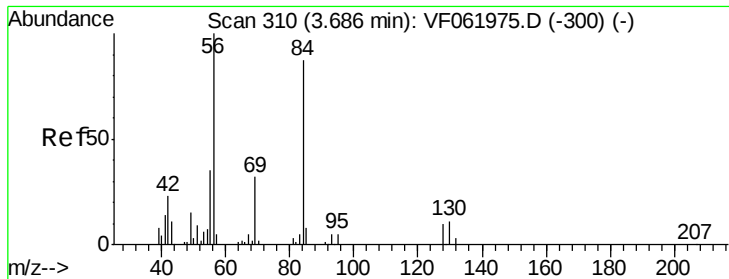
Tgt Ion: 83 Resp: 92736

Ion Ratio Lower Upper

83 100

85 66.6 55.5 83.3

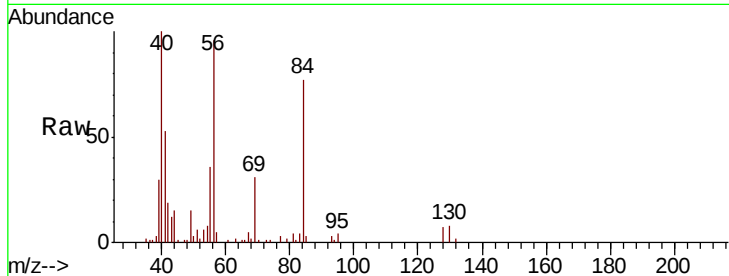




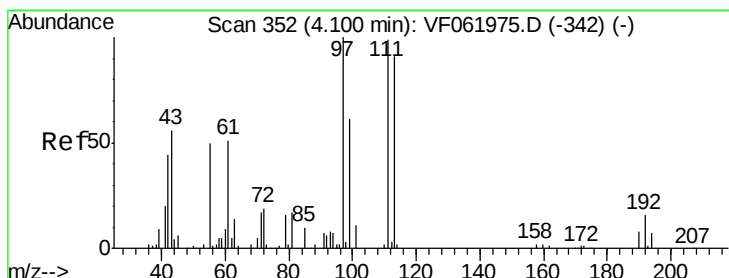
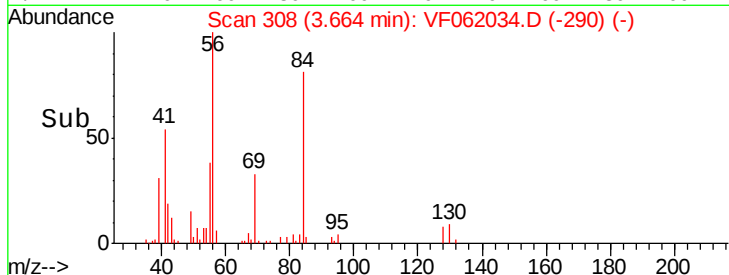
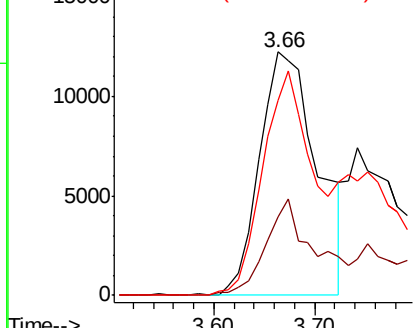
#31
Cyclohexane
Concen: 13.628 ug/l
RT: 3.66 min Scan# 308
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion: 56 Resp: 48610
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 80.3 69.5 104.3

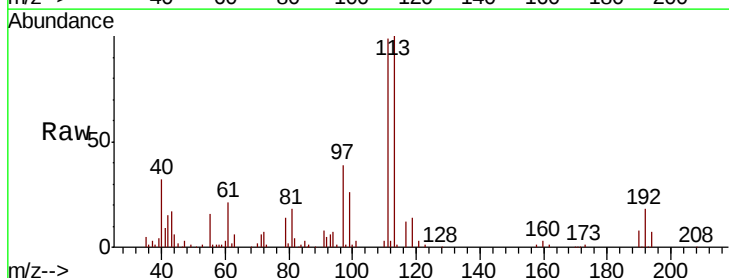


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

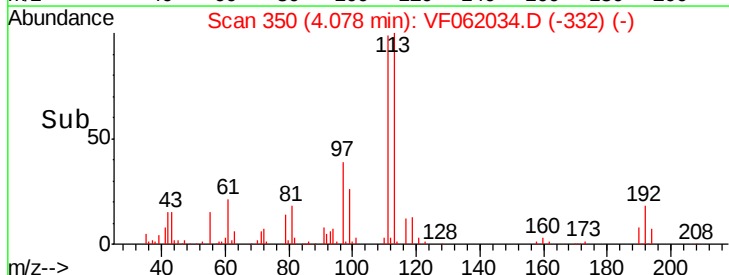
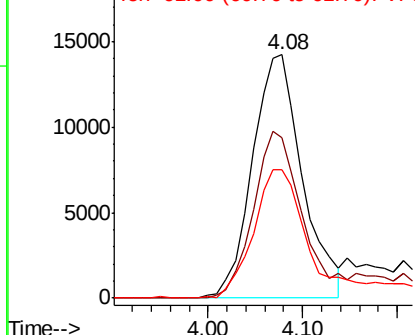


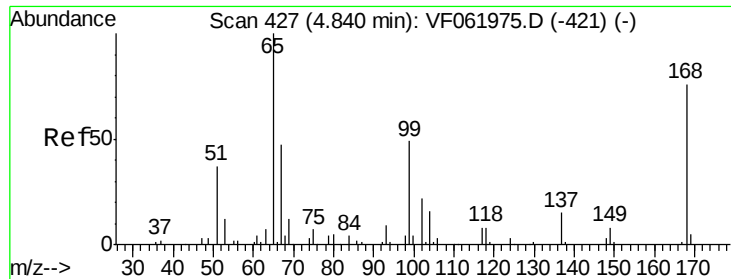
#32
1,1,1-Trichloroethane
Concen: 19.086 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 97 Resp: 52283
Ion Ratio Lower Upper
97 100
99 66.1 49.0 73.4
61 52.7 41.4 62.0



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

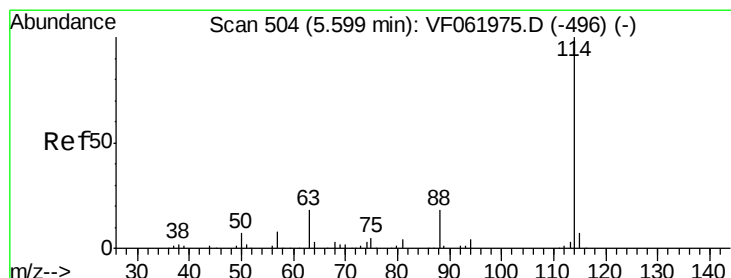
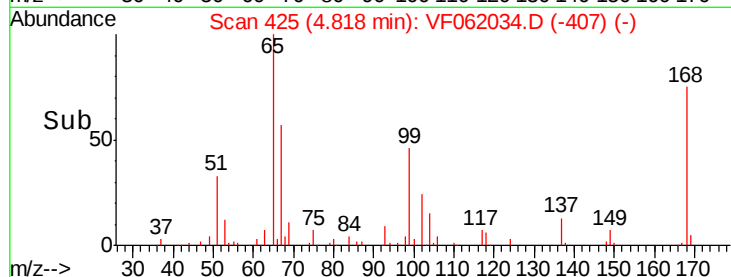
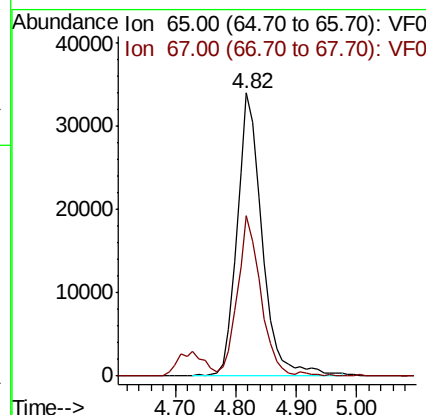
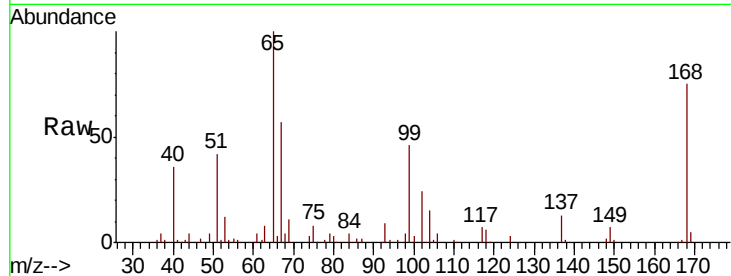




#33
 1,2-Dichloroethane-d4
 Concen: 56.214 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

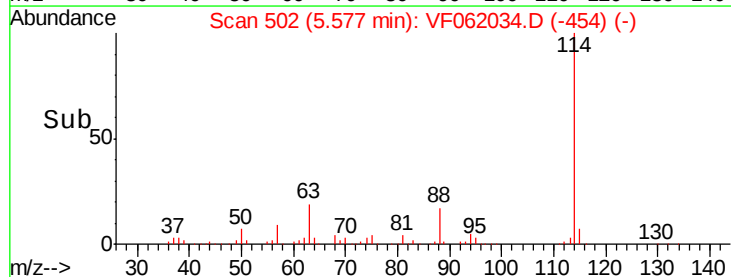
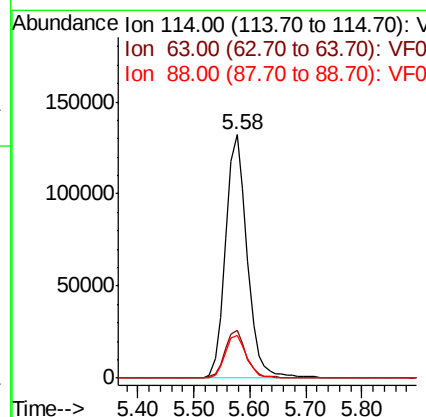
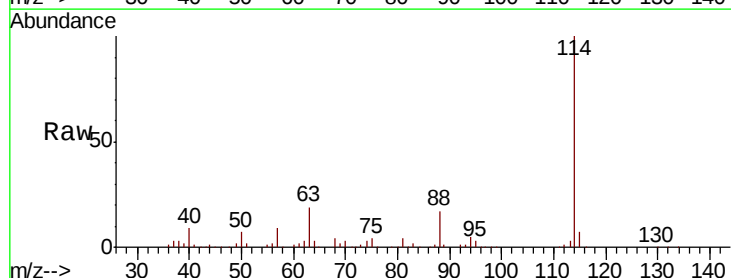
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

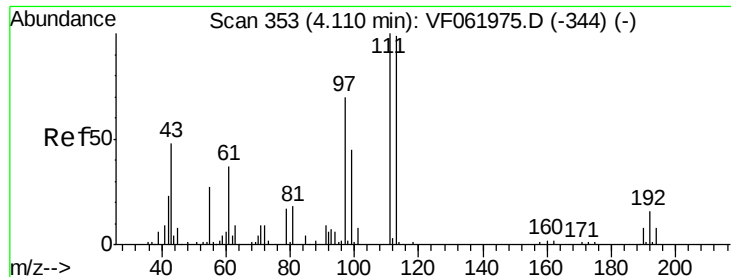
Tgt Ion: 65 Resp: 97766
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion: 114 Resp: 357044
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.4
 88 17.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 56.364 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

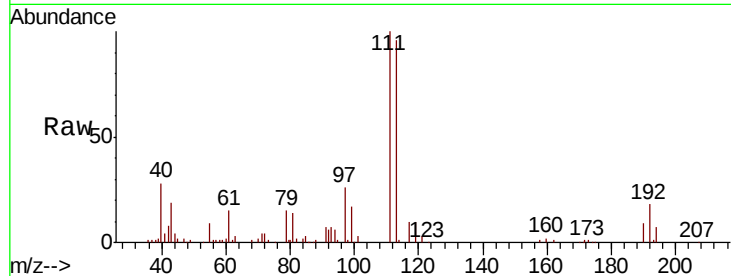
Tgt Ion:113 Resp: 135140

Ion Ratio Lower Upper

113 100

111 104.1 80.8 121.2

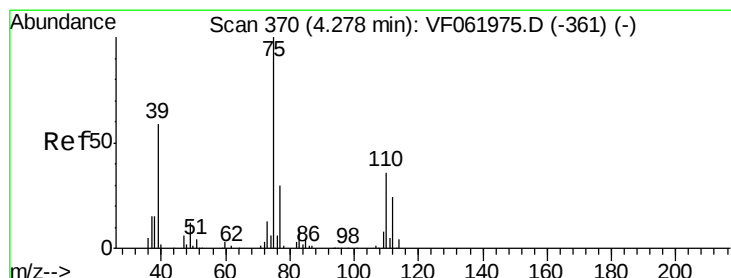
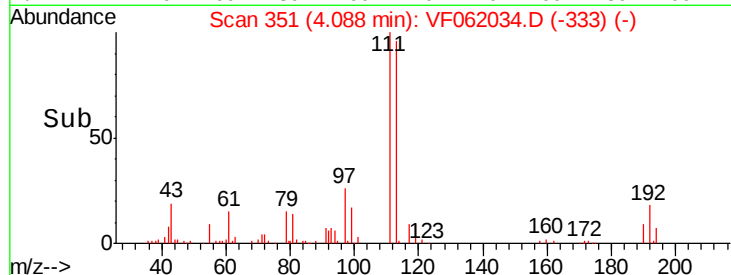
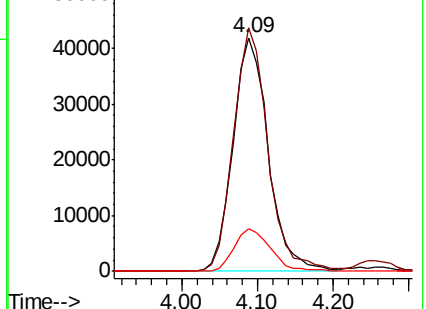
192 18.3 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 23.722 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

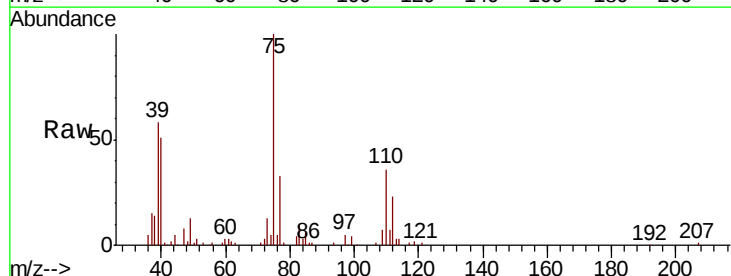
Tgt Ion: 75 Resp: 76486

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.3

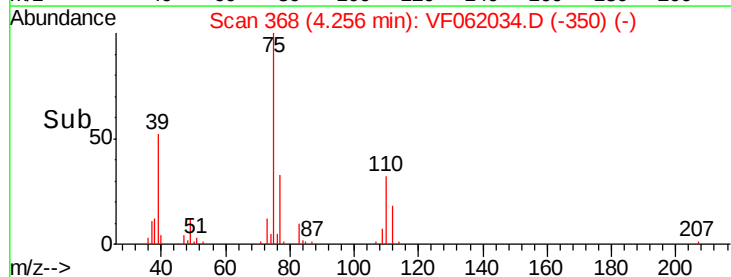
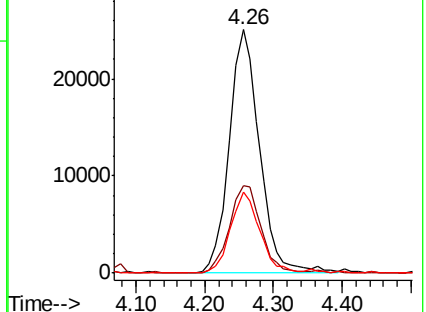
77 33.1 24.2 36.2

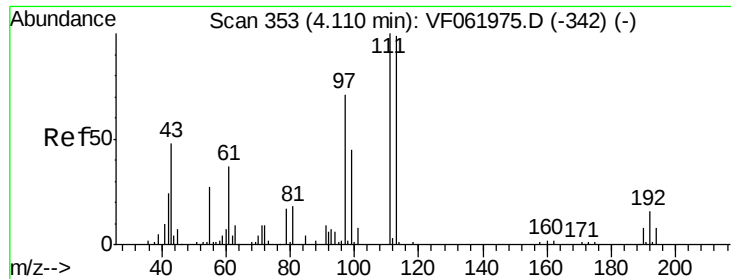


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

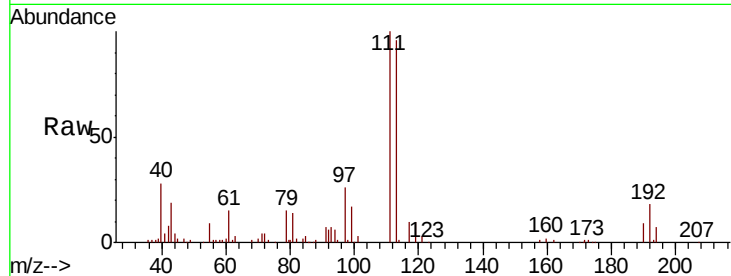




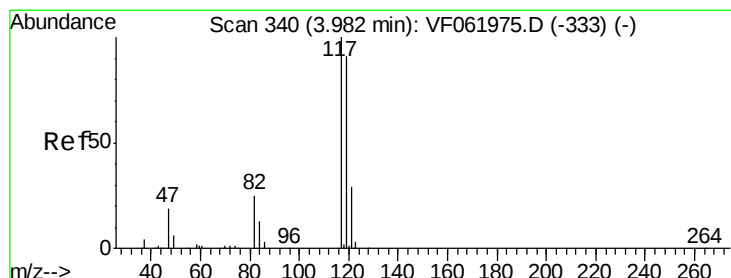
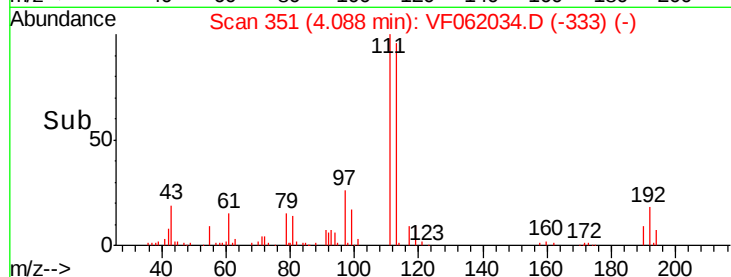
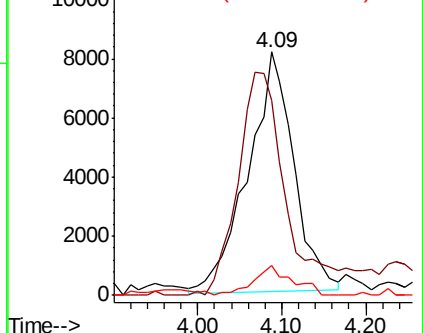
#37
Ethyl Acetate
Concen: 21.320 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion: 43 Resp: 30866
Ion Ratio Lower Upper
43 100
61 80.0 59.8 89.6
70 12.3 7.8 11.8#

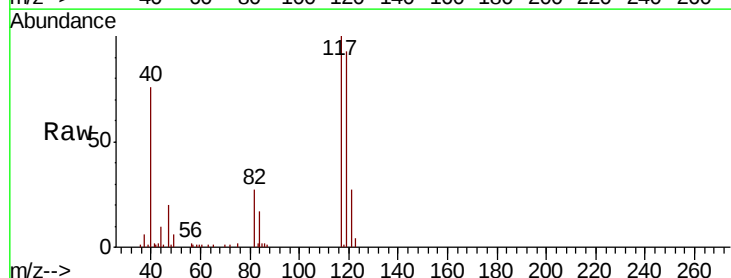


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

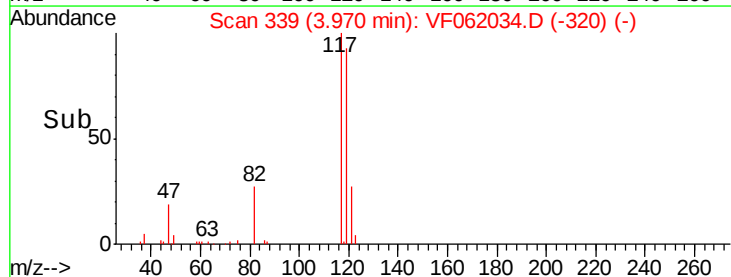
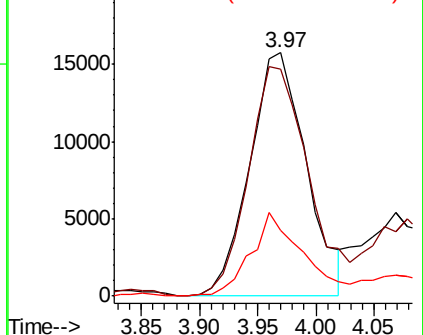


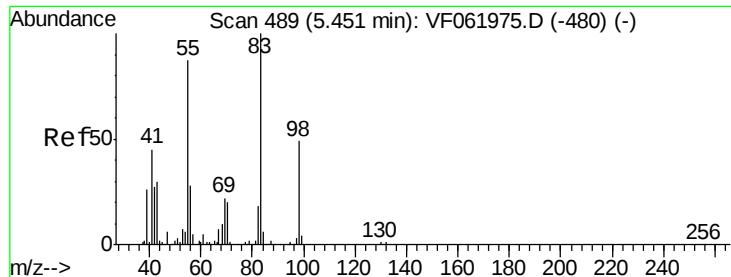
#38
Carbon Tetrachloride
Concen: 22.570 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 117 Resp: 53185
Ion Ratio Lower Upper
117 100
119 93.2 73.0 109.4
121 27.0 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

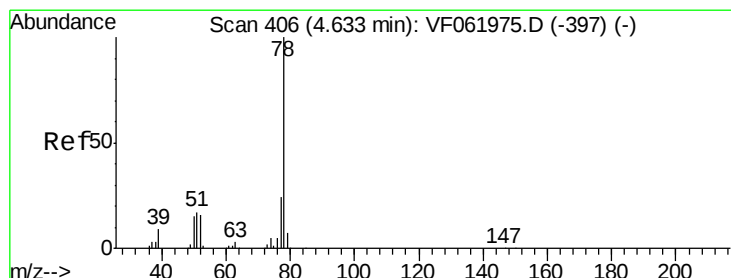
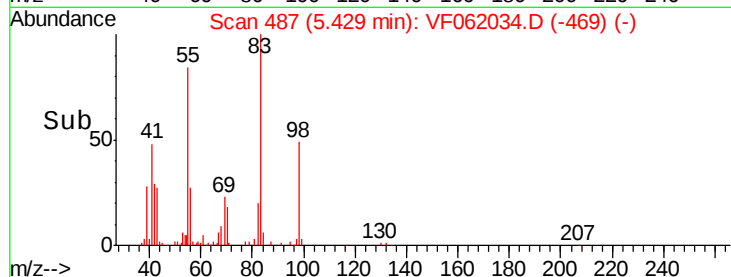
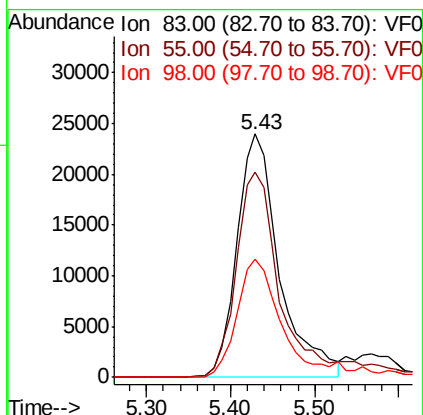
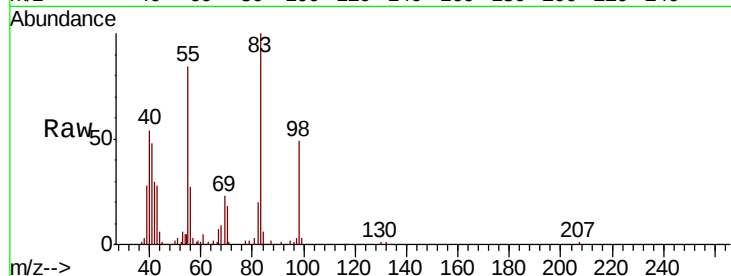




#39
Methylcyclohexane
Concen: 22.214 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

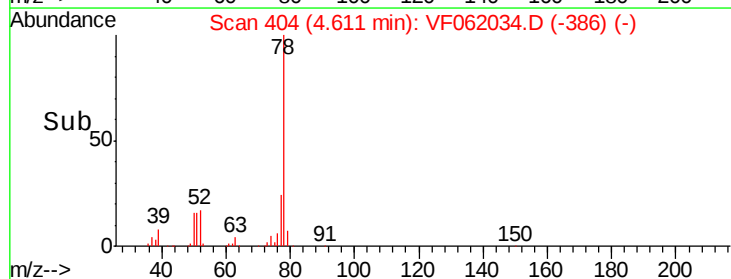
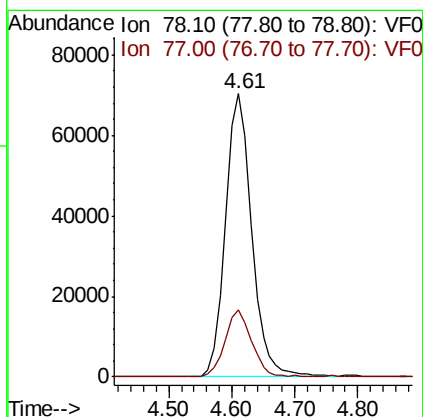
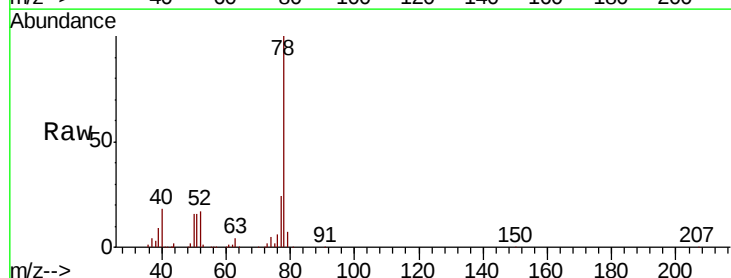
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

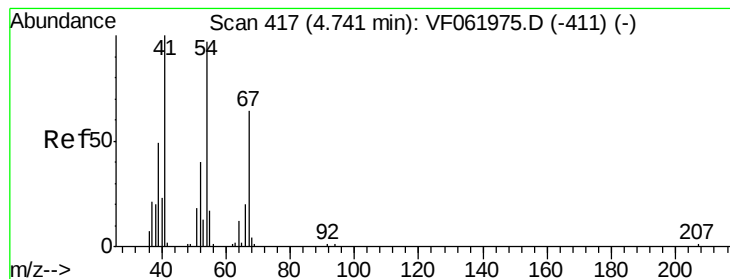
Tgt Ion: 83 Resp: 84086
Ion Ratio Lower Upper
83 100
55 84.2 69.7 104.5
98 48.8 39.4 59.0



#40
Benzene
Concen: 23.819 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 78 Resp: 203498
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 20.886 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tgt Ion: 41 Resp: 16155

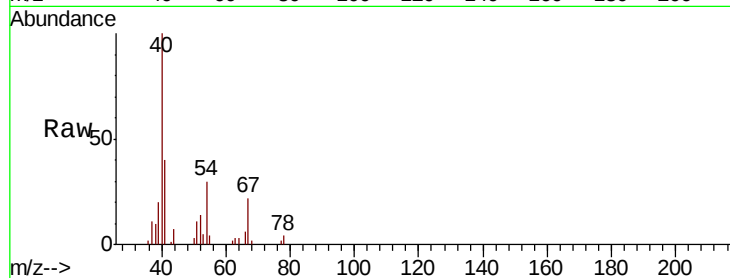
Ion Ratio Lower Upper

41 100

39 49.6 46.2 69.4

67 55.8 49.8 74.8

52 34.7 42.7 64.1#

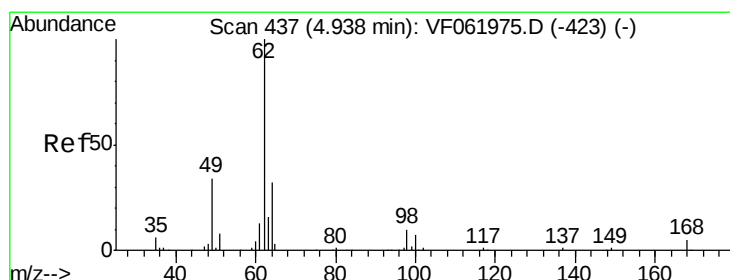
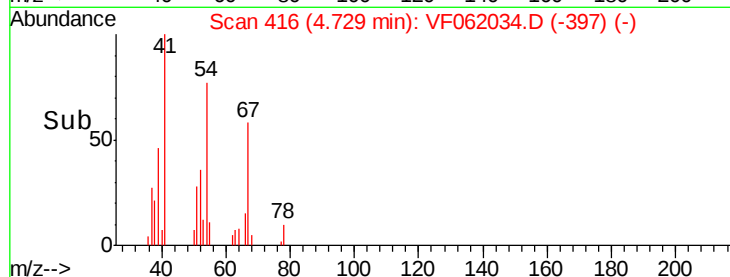
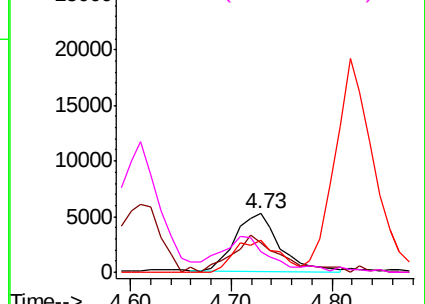


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.193 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF062034.D

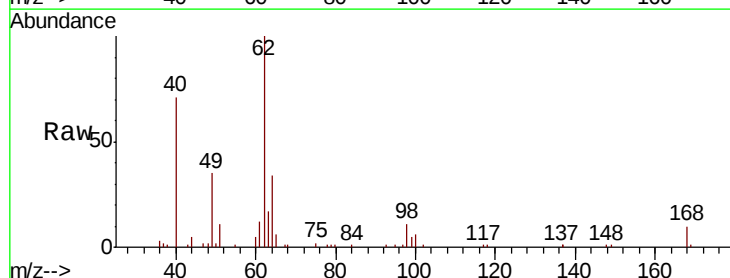
Acq: 20 Mar 2019 12:20

Tgt Ion: 62 Resp: 49328

Ion Ratio Lower Upper

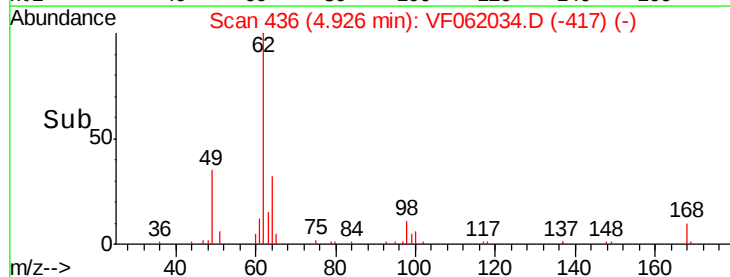
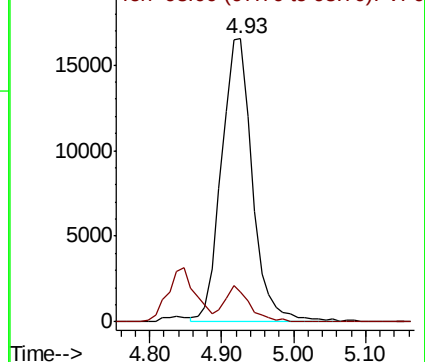
62 100

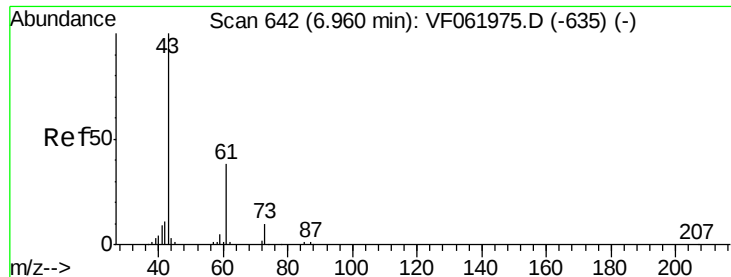
98 10.7 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.330 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

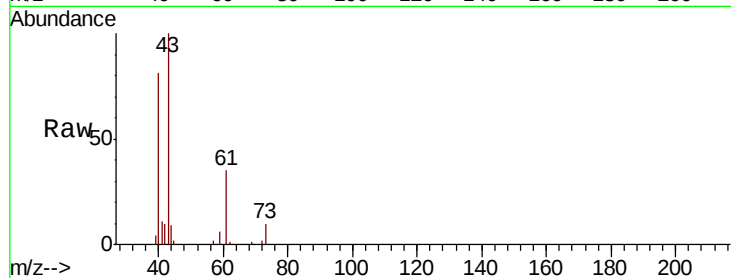
Tgt Ion: 43 Resp: 36536

Ion Ratio Lower Upper

43 100

61 35.2 30.1 45.1

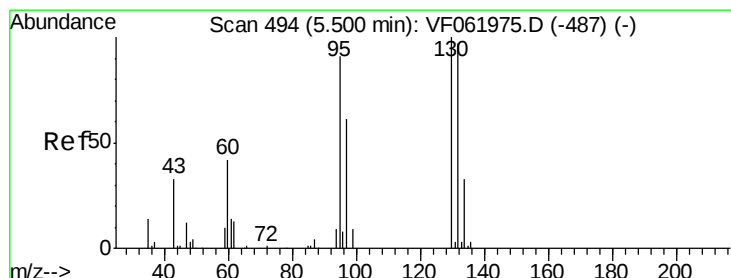
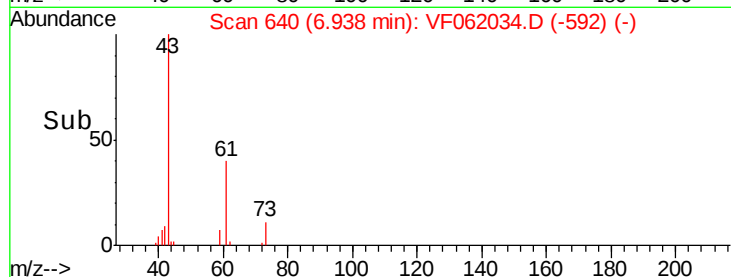
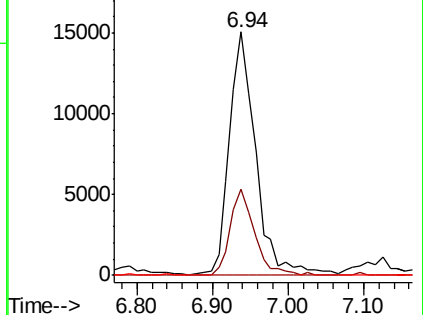
87 0.0 0.4 0.6#



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: 24.753 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF062034.D

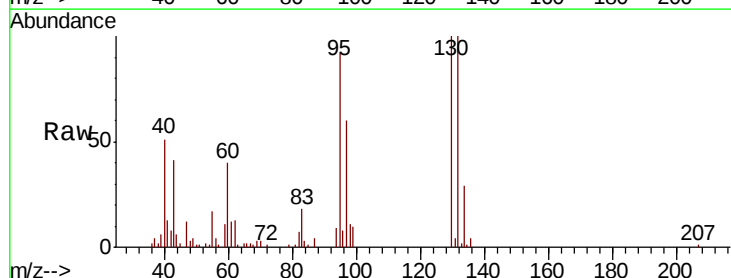
Acq: 20 Mar 2019 12:20

Tgt Ion: 130 Resp: 64783

Ion Ratio Lower Upper

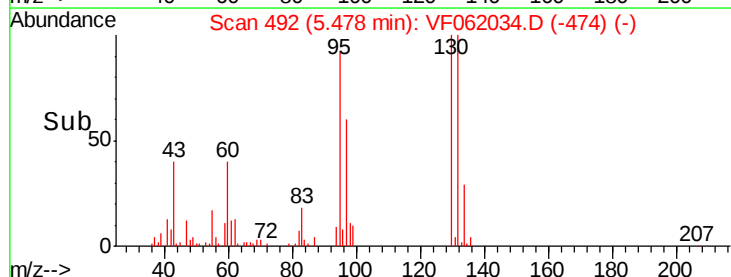
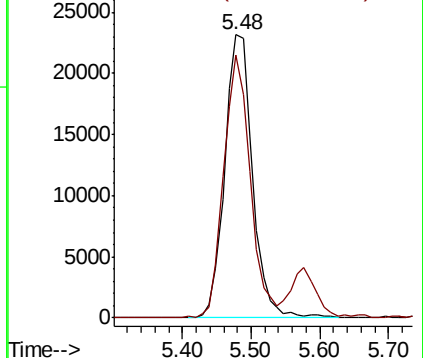
130 100

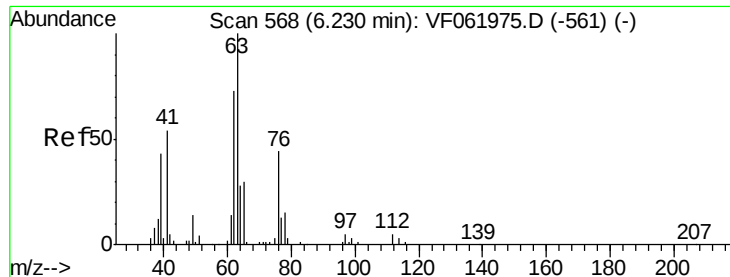
95 92.9 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.617 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

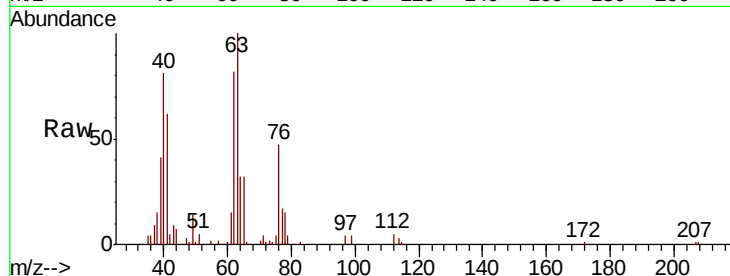
VF0320SBS01

Tgt Ion: 63 Resp: 45730

Ion Ratio Lower Upper

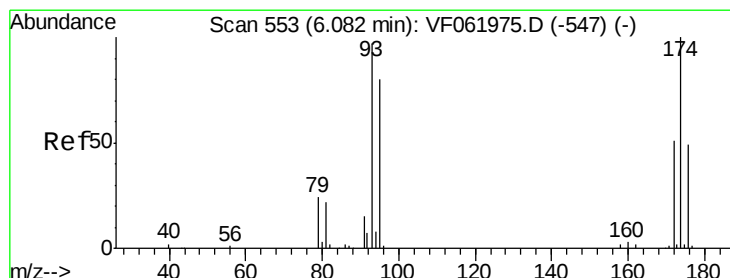
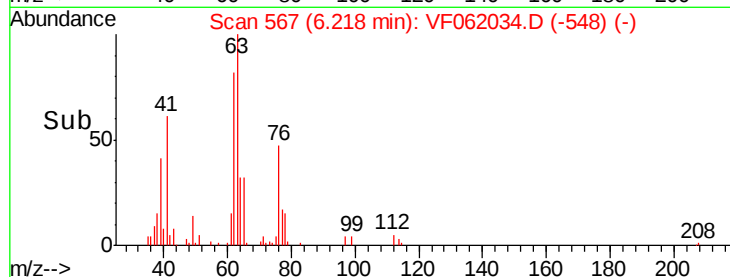
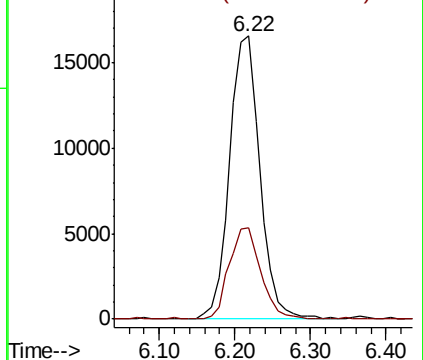
63 100

65 32.4 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 23.408 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

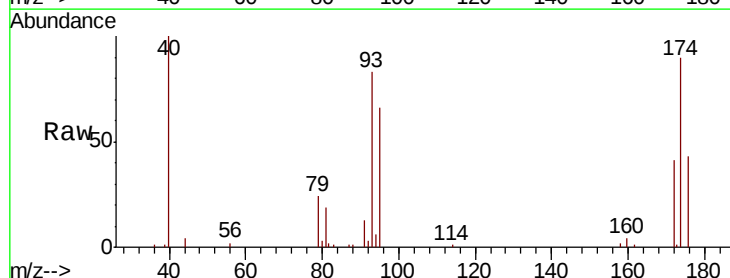
Tgt Ion: 93 Resp: 28155

Ion Ratio Lower Upper

93 100

95 79.5 65.7 98.5

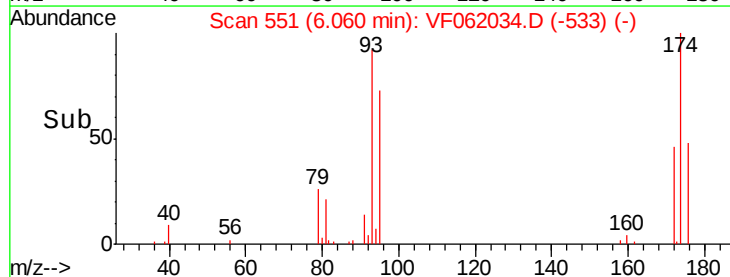
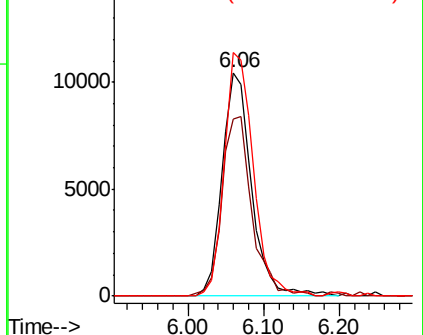
174 109.0 82.2 123.4

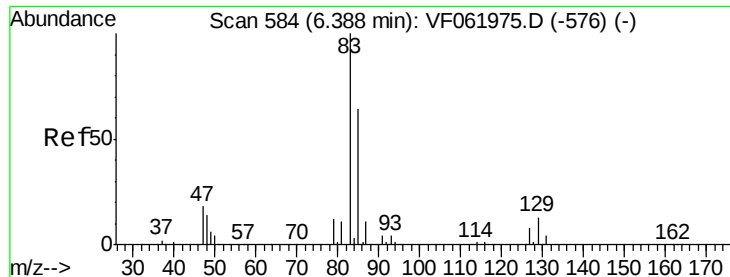


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.148 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

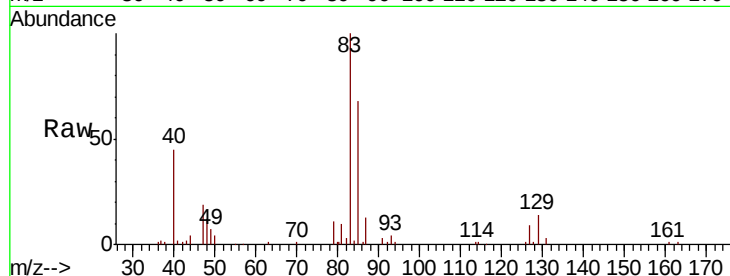
Tgt Ion: 83 Resp: 65639

Ion Ratio Lower Upper

83 100

85 68.2 51.4 77.2

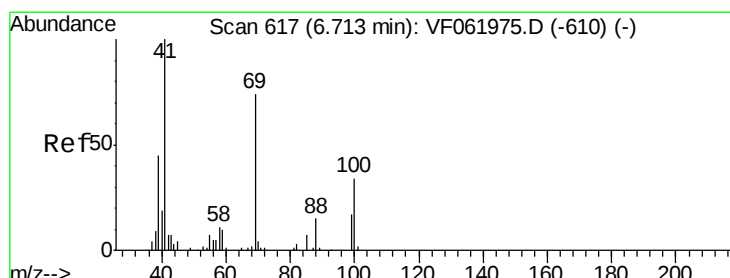
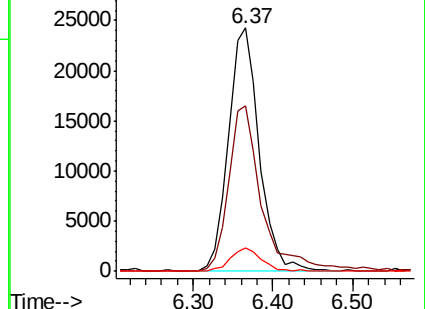
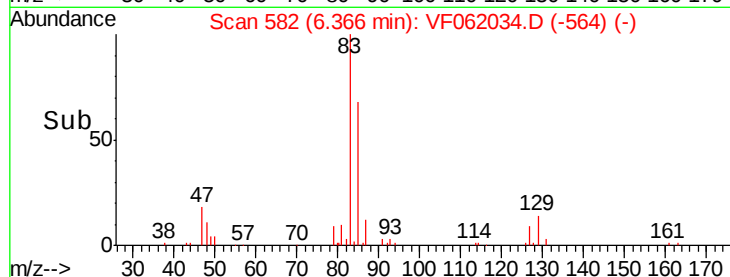
127 9.5 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.965 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

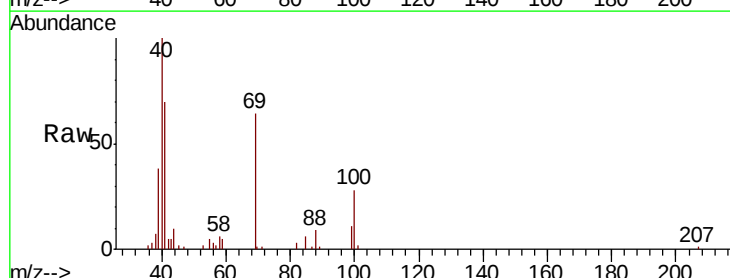
Tgt Ion: 41 Resp: 23209

Ion Ratio Lower Upper

41 100

69 91.0 59.0 88.6#

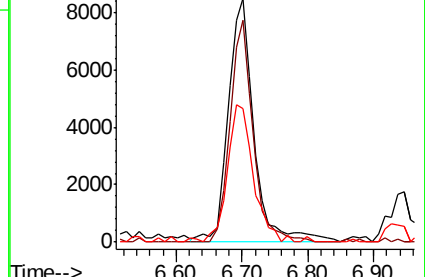
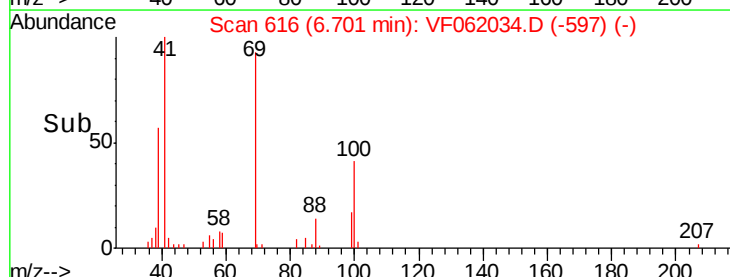
39 54.8 35.6 53.4#

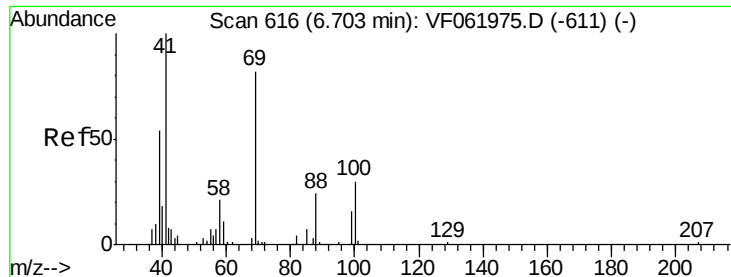


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 492.937 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

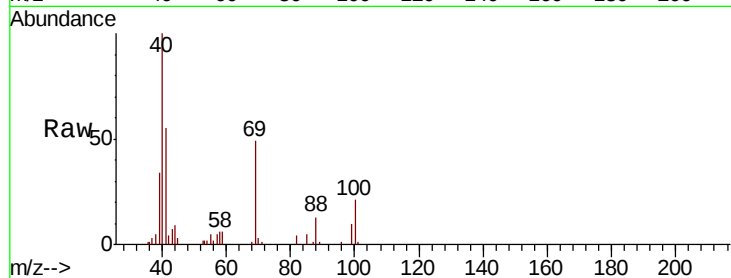
Tgt Ion: 88 Resp: 4854

Ion Ratio Lower Upper

88 100

43 51.5 31.2 46.8#

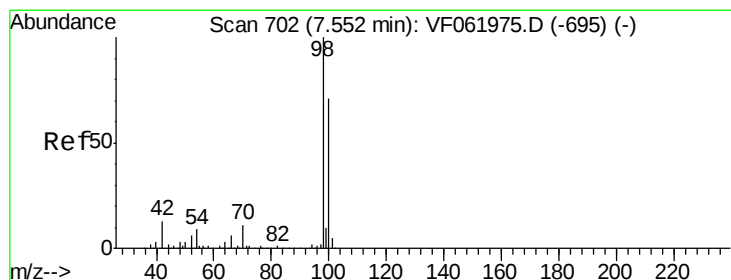
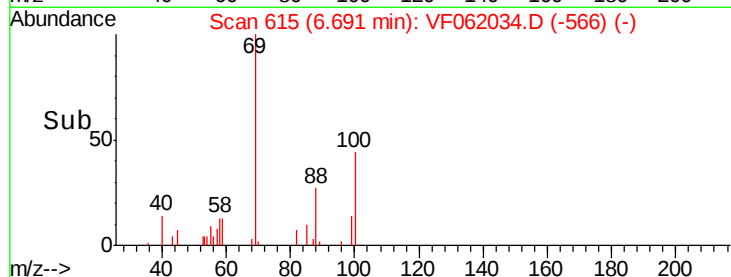
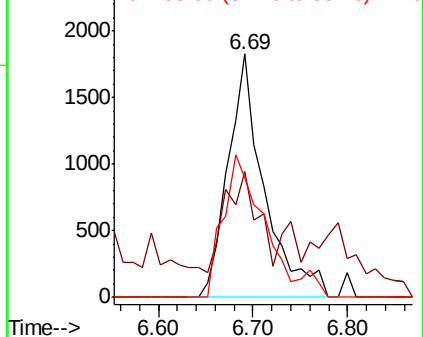
58 49.1 69.9 104.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.894 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062034.D

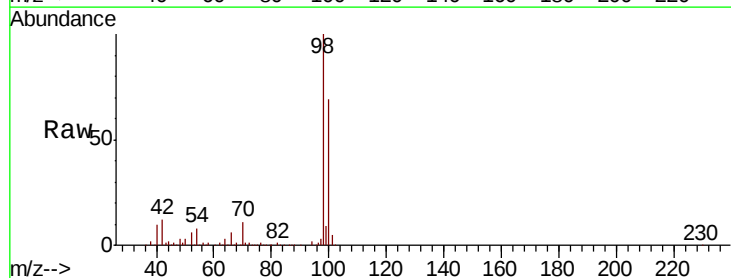
Acq: 20 Mar 2019 12:20

Tgt Ion: 98 Resp: 377741

Ion Ratio Lower Upper

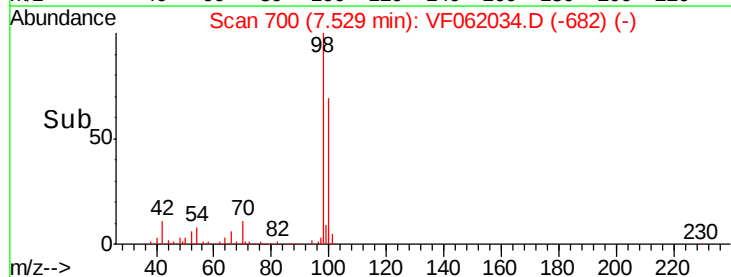
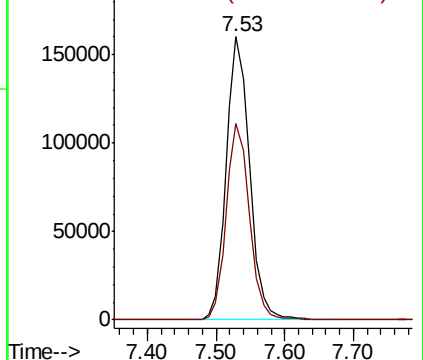
98 100

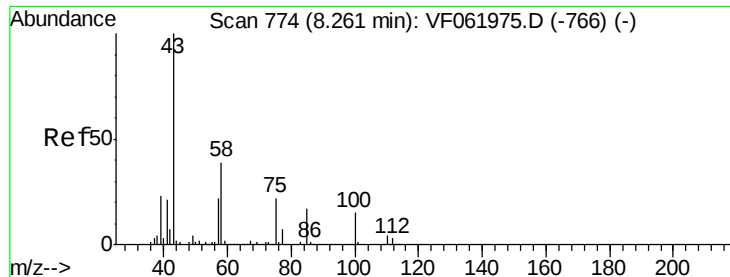
100 69.4 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 114.349 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

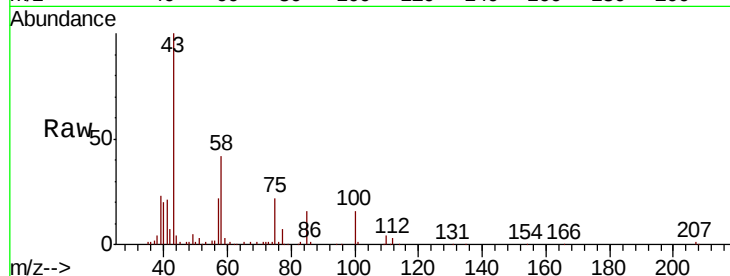
VF0320SBS01

Tgt Ion: 43 Resp: 139088

Ion Ratio Lower Upper

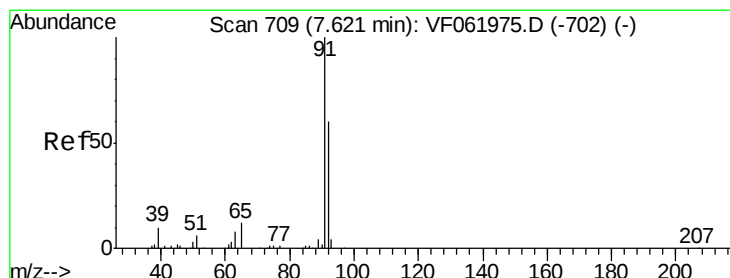
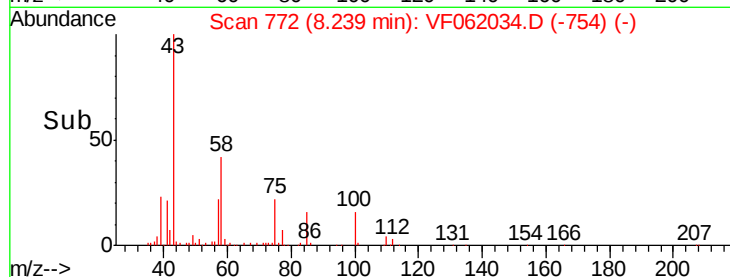
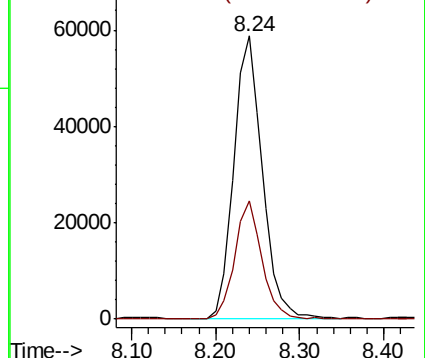
43 100

58 41.7 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.668 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF062034.D

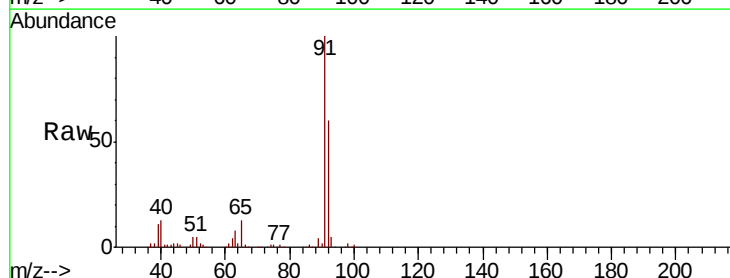
Acq: 20 Mar 2019 12:20

Tgt Ion: 92 Resp: 118330

Ion Ratio Lower Upper

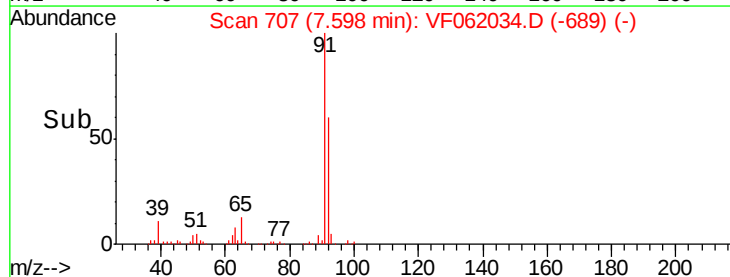
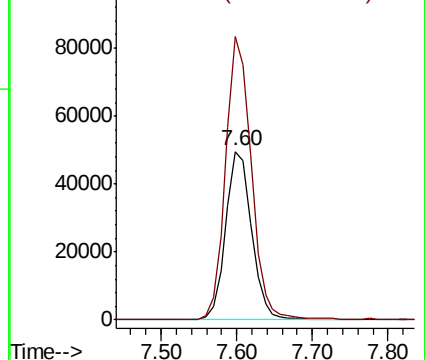
92 100

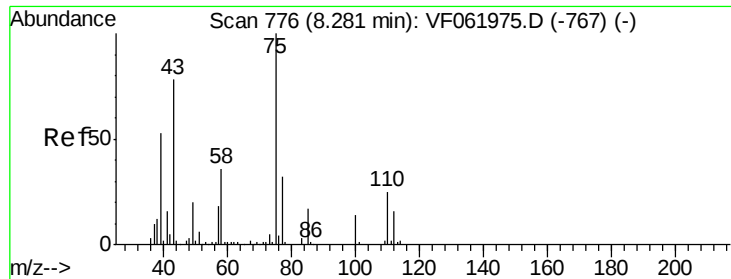
91 168.0 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

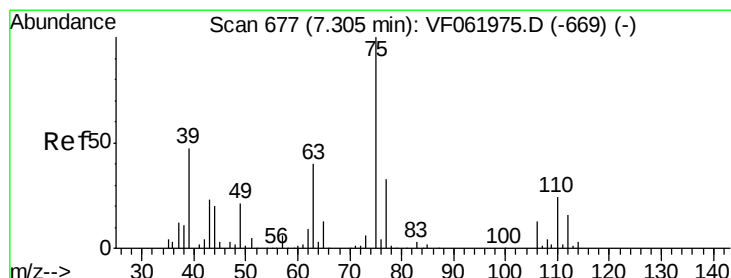
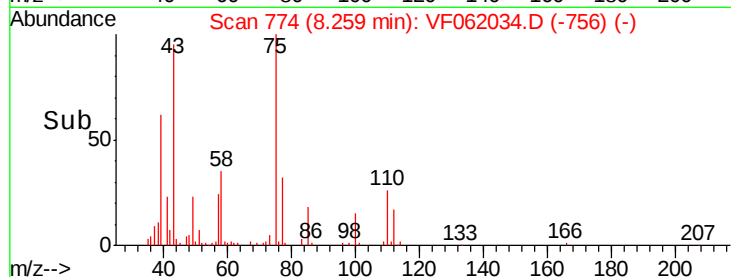
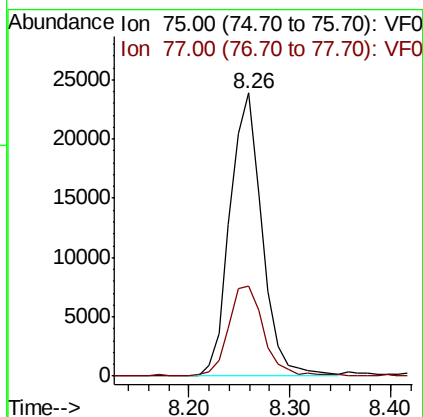
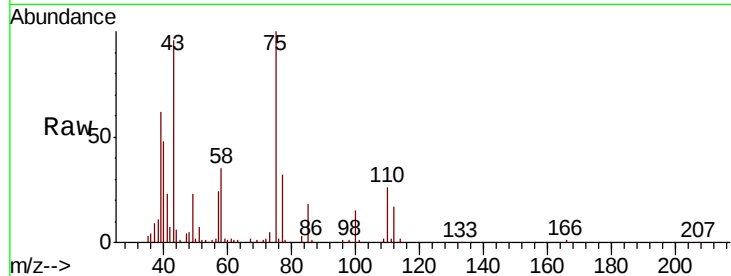




#53
 t-1,3-Dichloropropene
 Concen: 22.105 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

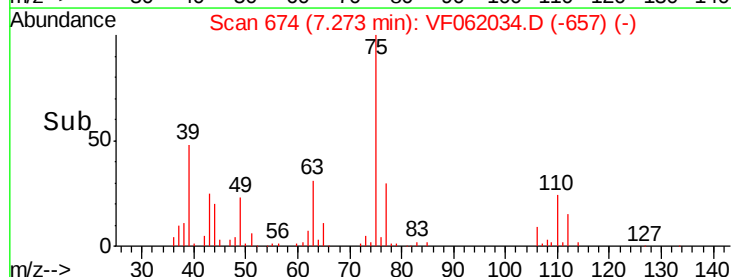
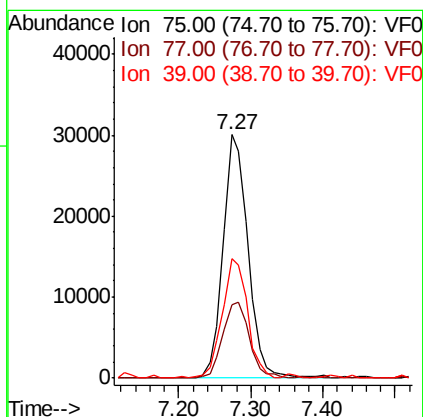
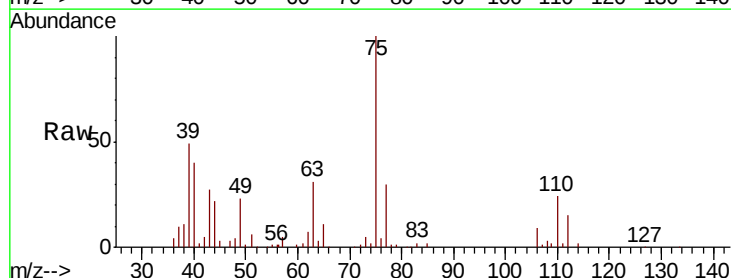
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

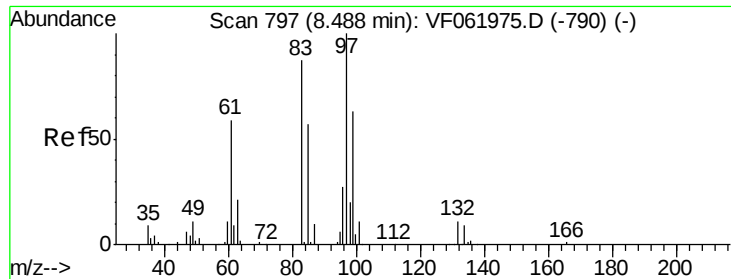
Tgt Ion: 75 Resp: 52919
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 23.135 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion: 75 Resp: 72267
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.4 39.6
 39 48.9 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 22.545 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tgt Ion: 97 Resp: 32846

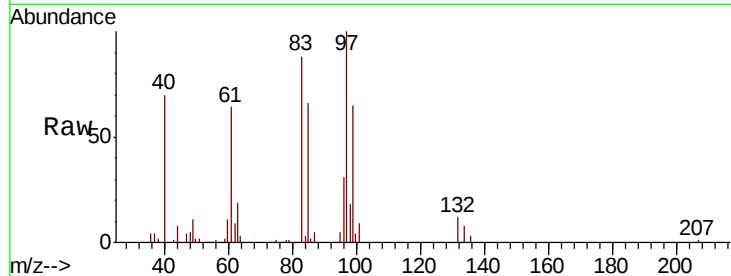
Ion Ratio Lower Upper

97 100

83 87.7 69.7 104.5

85 65.9 45.8 68.6

99 64.7 50.3 75.5

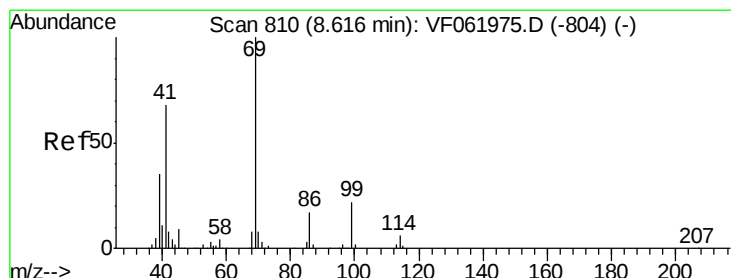
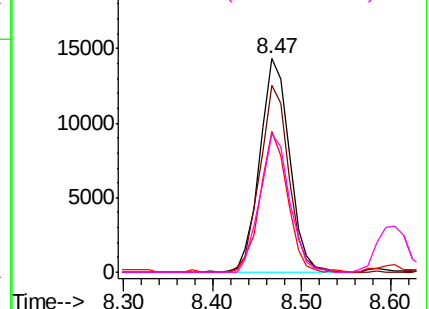
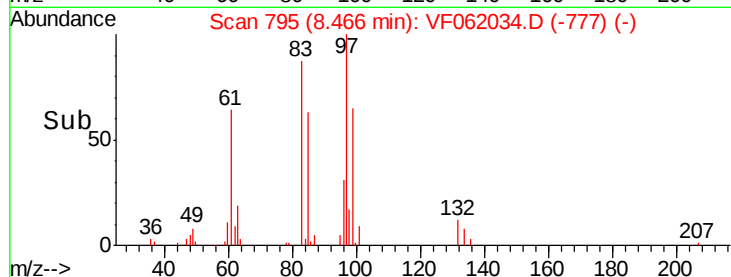


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.826 ug/l

RT: 8.59 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

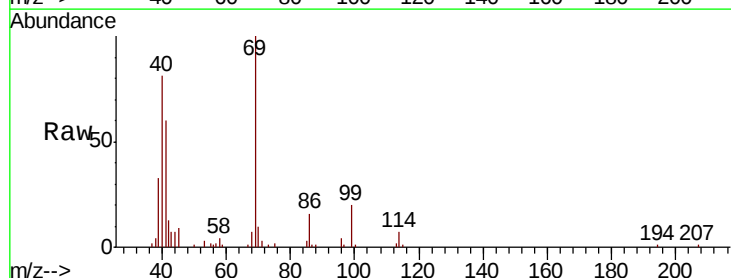
Tgt Ion: 69 Resp: 34491

Ion Ratio Lower Upper

69 100

41 59.6 54.7 82.1

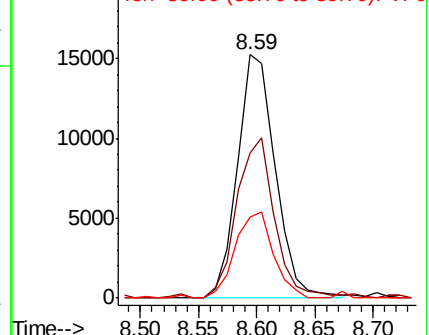
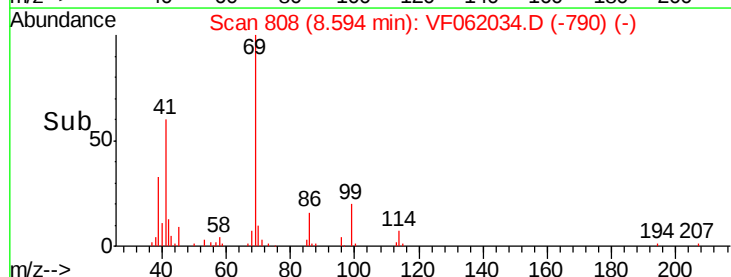
39 33.3 27.9 41.9

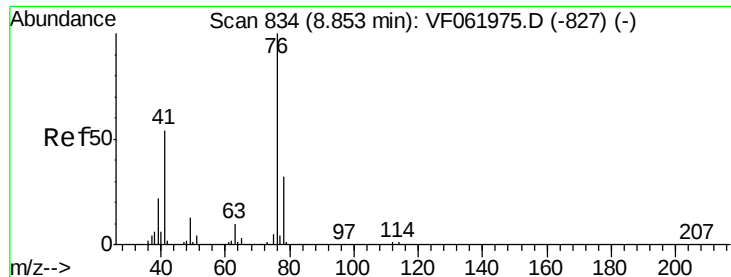


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.127 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

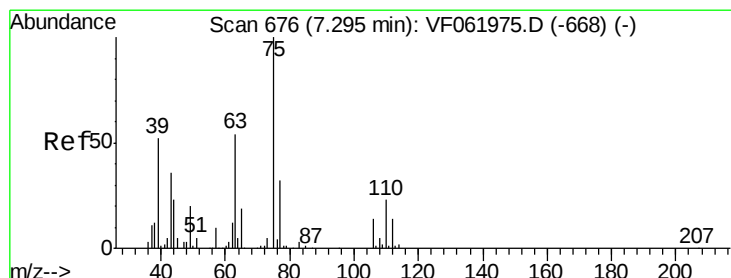
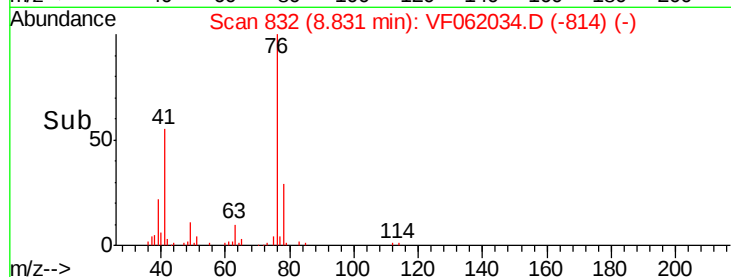
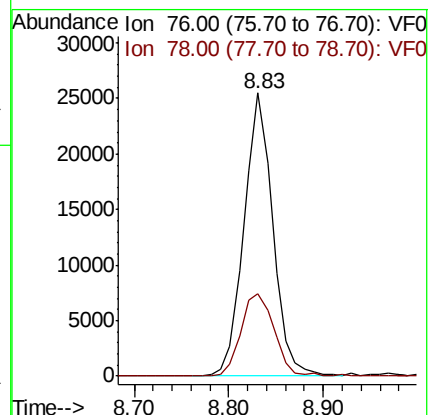
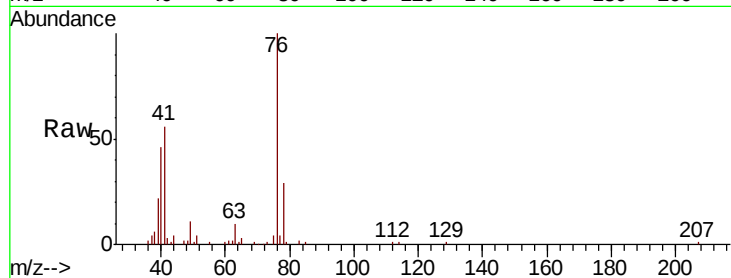
VF0320SBS01

Tgt Ion: 76 Resp: 53776

Ion Ratio Lower Upper

76 100

78 29.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 78.688 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF062034.D

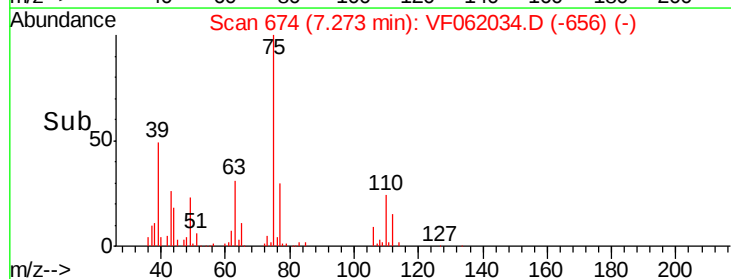
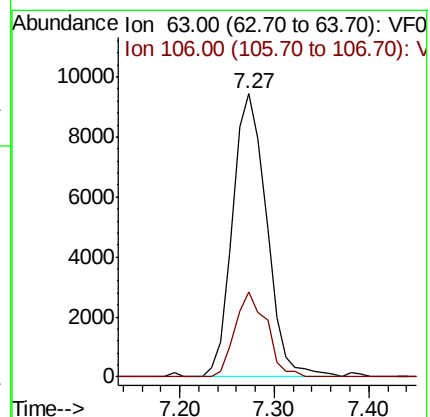
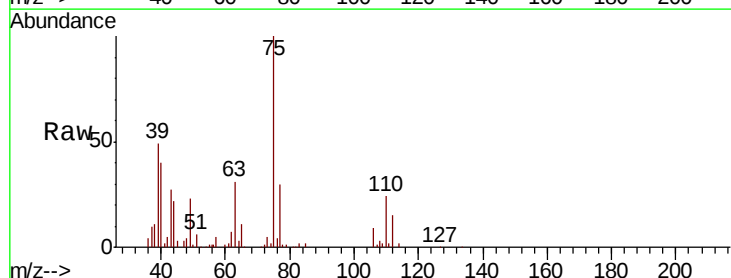
Acq: 20 Mar 2019 12:20

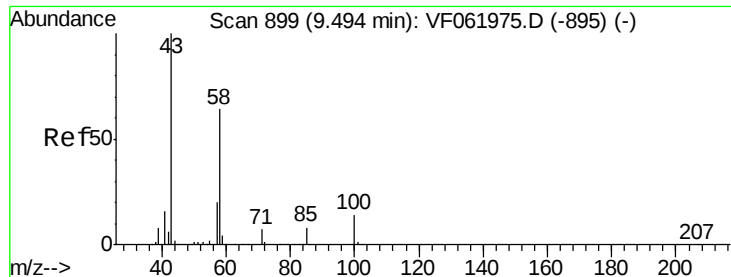
Tgt Ion: 63 Resp: 23605

Ion Ratio Lower Upper

63 100

106 30.0 20.9 31.3

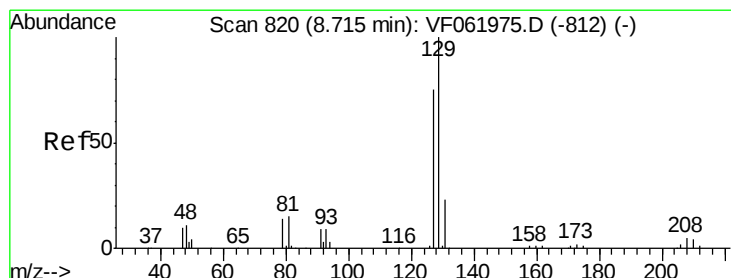
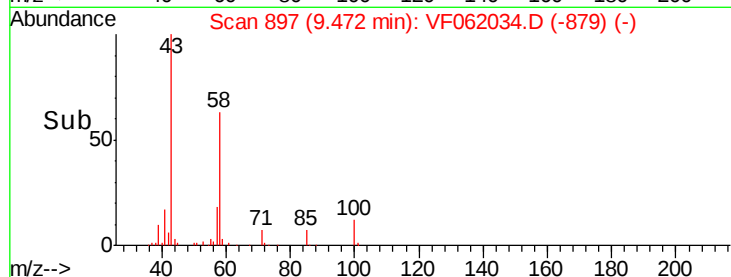
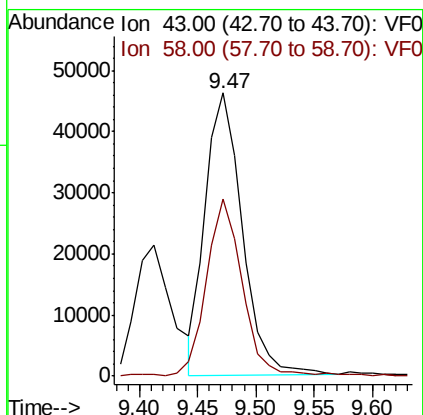
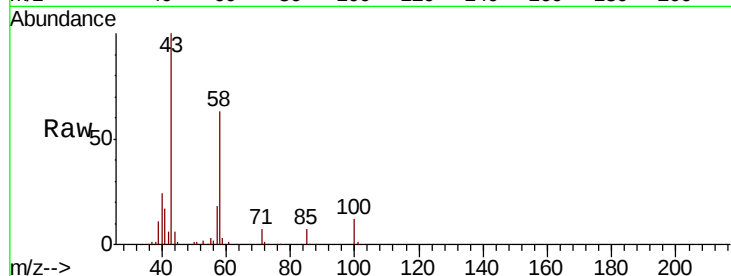




#59
2-Hexanone
Concen: 115.188 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

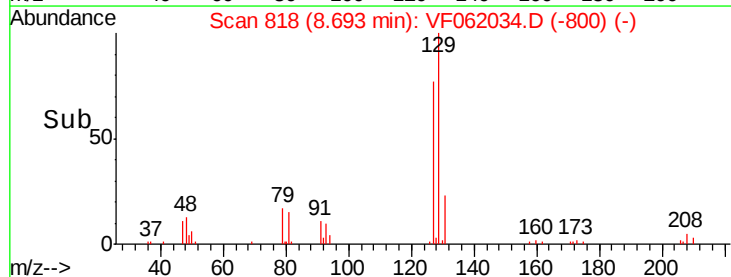
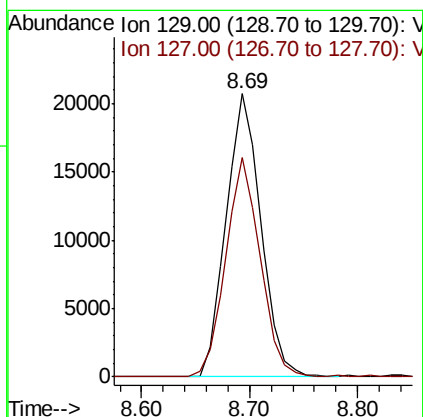
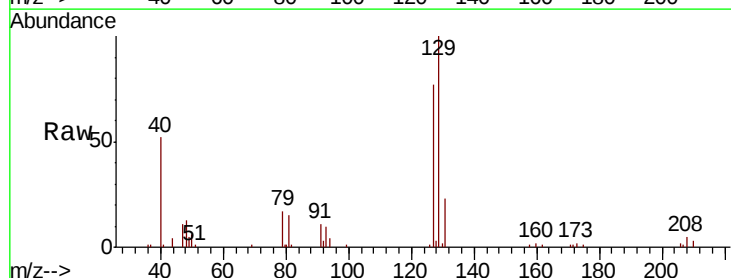
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

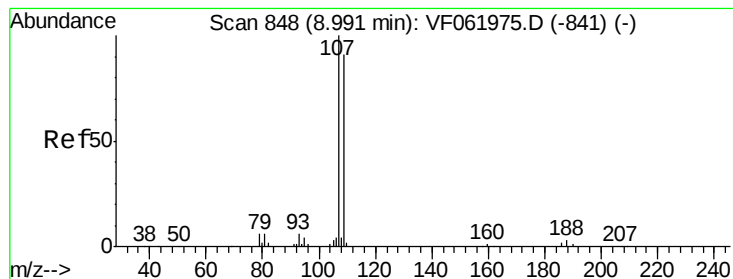
Tgt Ion: 43 Resp: 101398
Ion Ratio Lower Upper
43 100
58 62.6 28.4 85.2



#60
Dibromochloromethane
Concen: 22.949 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 129 Resp: 46416
Ion Ratio Lower Upper
129 100
127 77.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 22.656 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

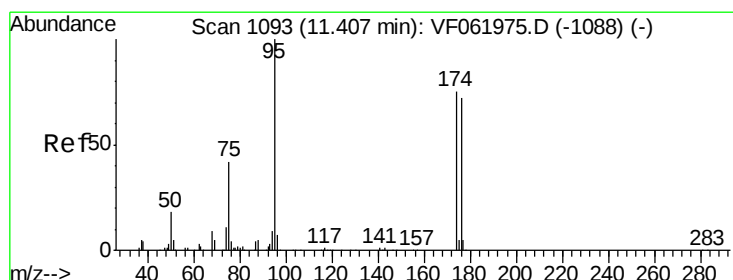
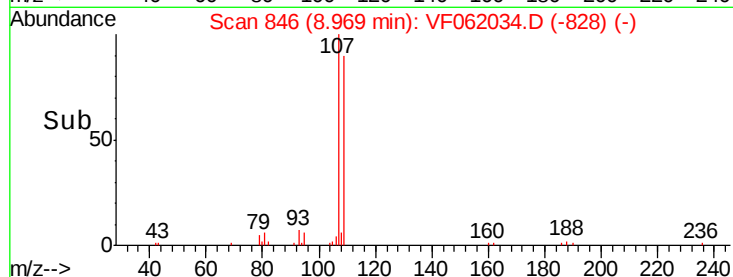
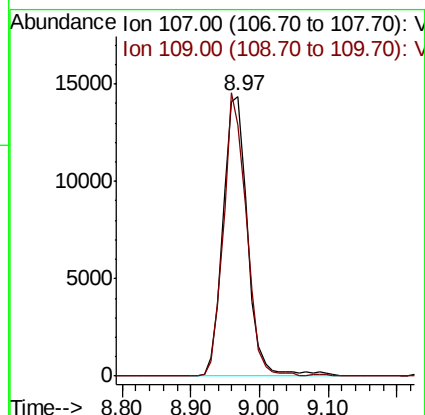
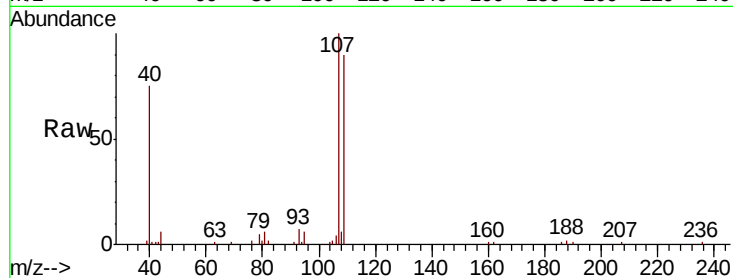
VF0320SBS01

Tgt Ion: 107 Resp: 35407

Ion Ratio Lower Upper

107 100

109 90.0 72.8 109.2



#62

4-Bromofluorobenzene

Concen: 52.587 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

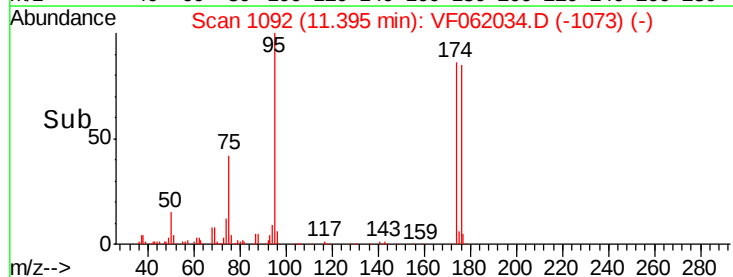
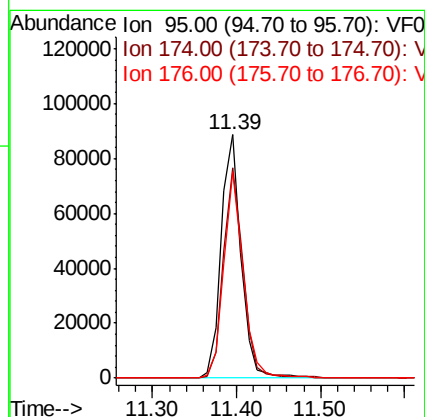
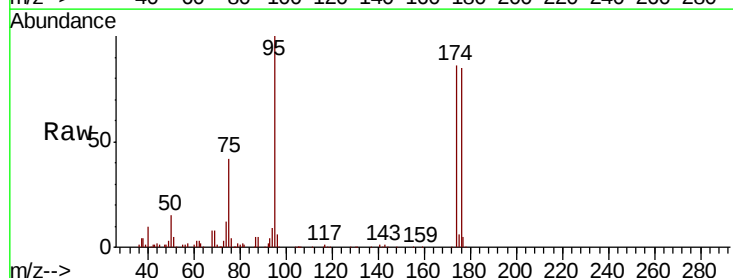
Tgt Ion: 95 Resp: 146422

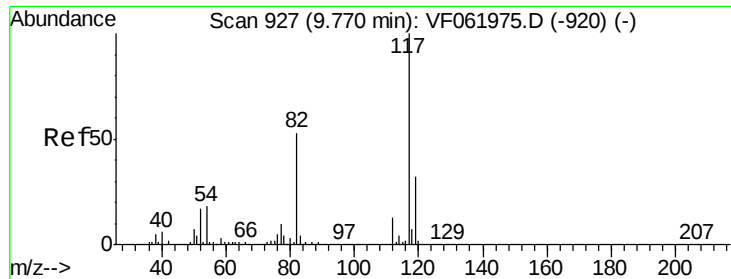
Ion Ratio Lower Upper

95 100

174 86.1 0.0 149.4

176 84.9 0.0 143.4

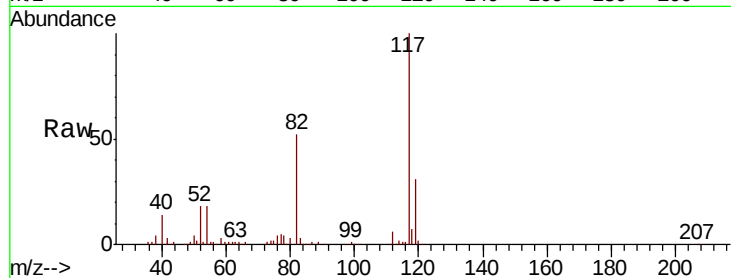




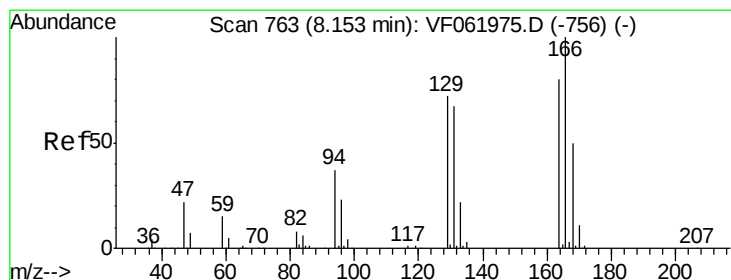
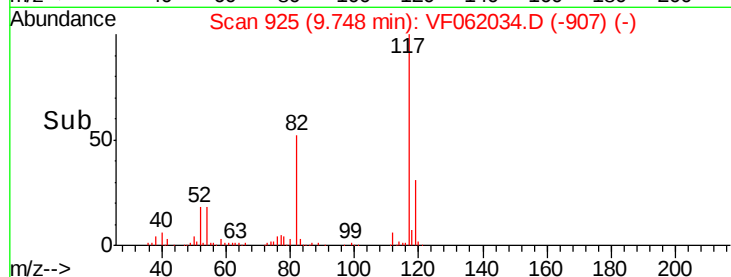
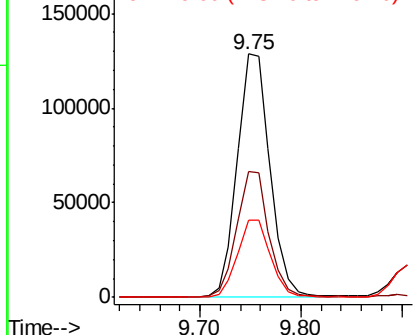
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion:117 Resp: 292619
Ion Ratio Lower Upper
117 100
82 51.9 42.5 63.7
119 31.5 25.4 38.0

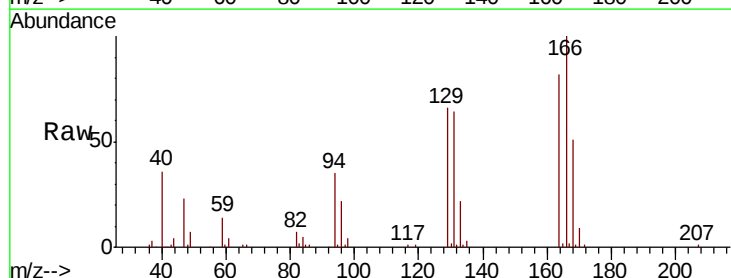


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

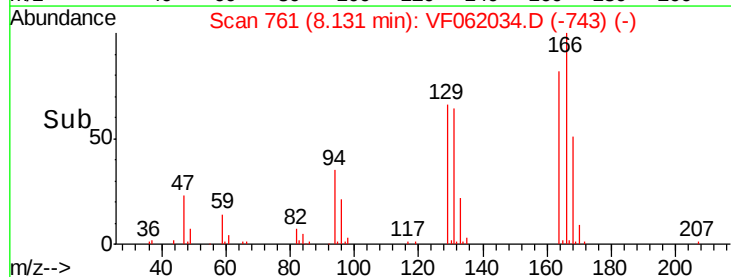
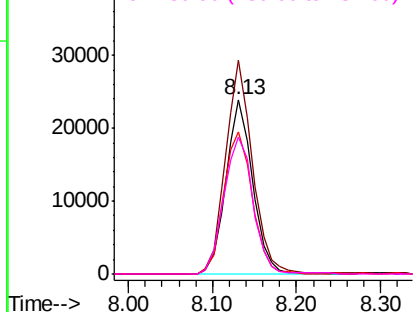


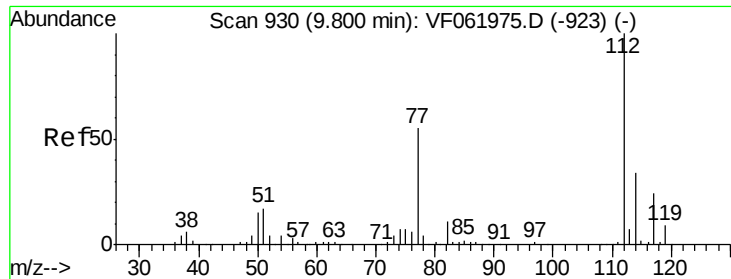
#64
Tetrachloroethene
Concen: 24.716 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion:164 Resp: 52571
Ion Ratio Lower Upper
164 100
166 122.4 100.0 150.0
129 81.2 72.4 108.6
131 78.3 67.1 100.7



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

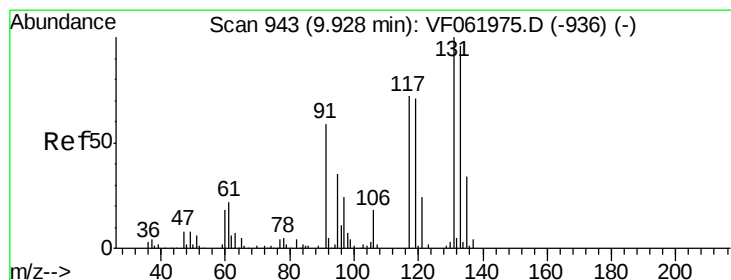
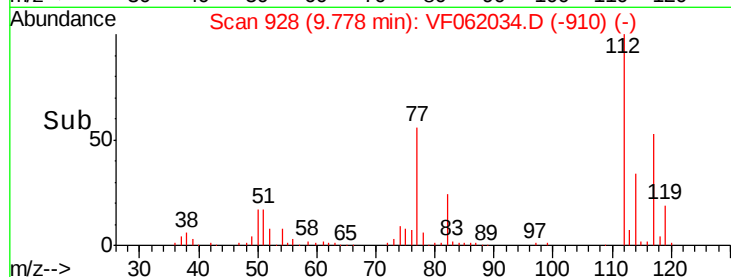
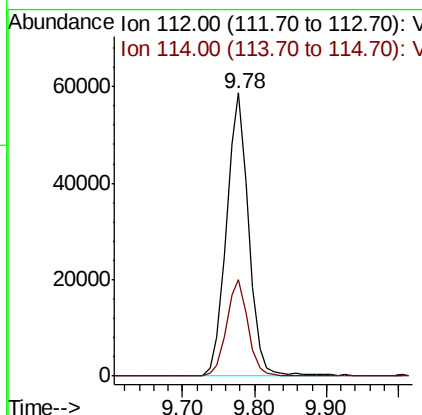
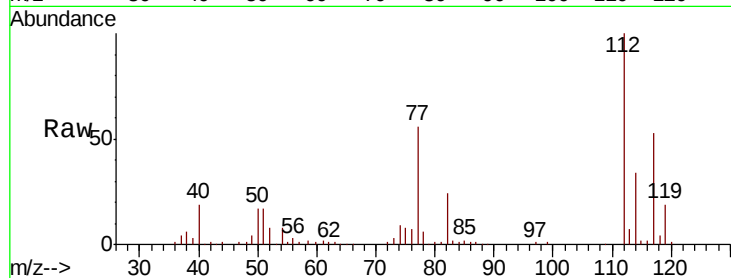




#65
Chlorobenzene
Concen: 23.009 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

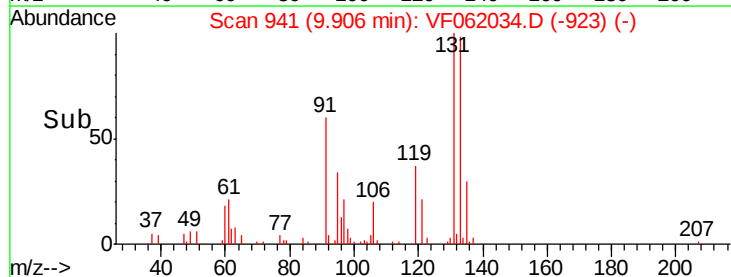
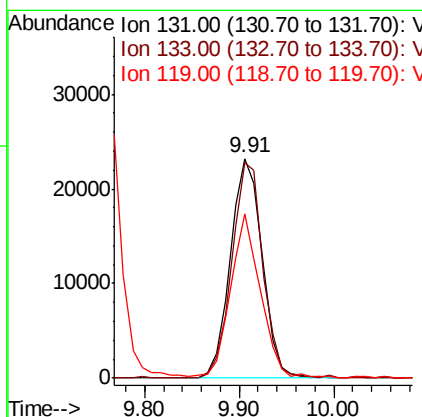
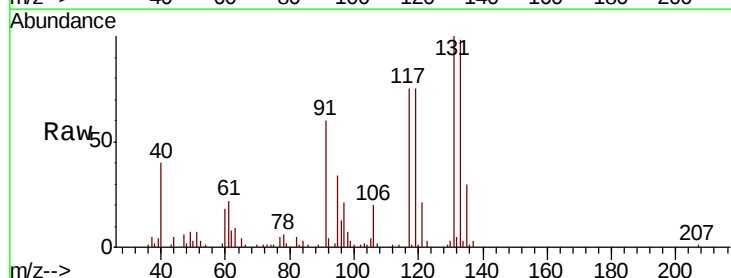
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

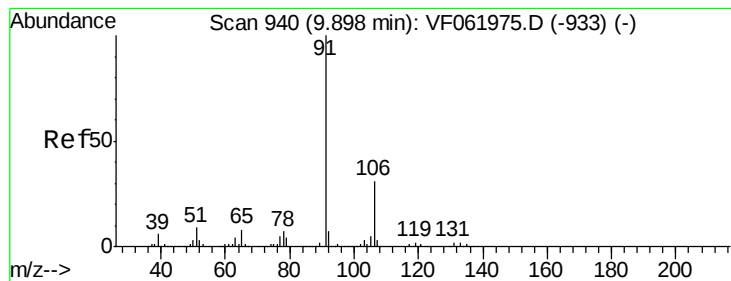
Tgt Ion:112 Resp: 125355
Ion Ratio Lower Upper
112 100
114 33.9 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 25.499 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion:131 Resp: 53847
Ion Ratio Lower Upper
131 100
133 98.2 48.0 144.2
119 74.9 35.9 107.7

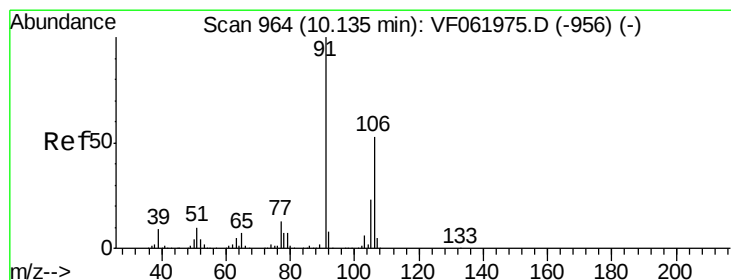
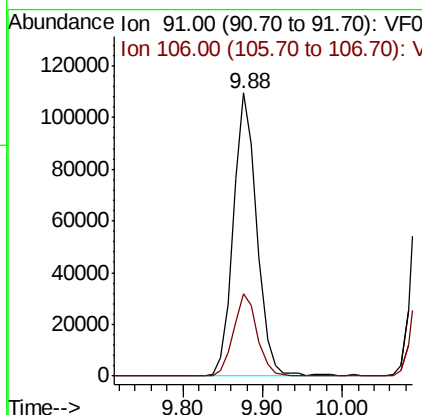
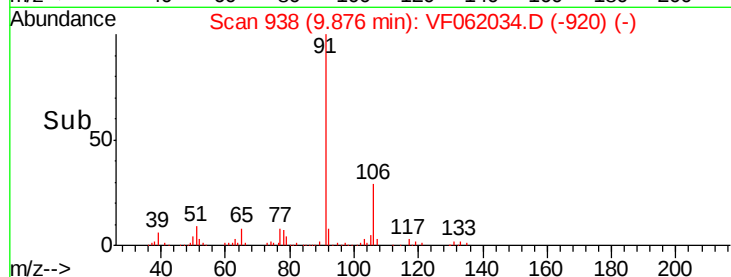
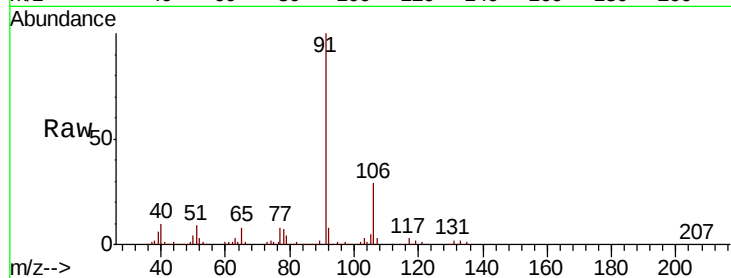




#67
Ethyl Benzene
Concen: 24.178 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

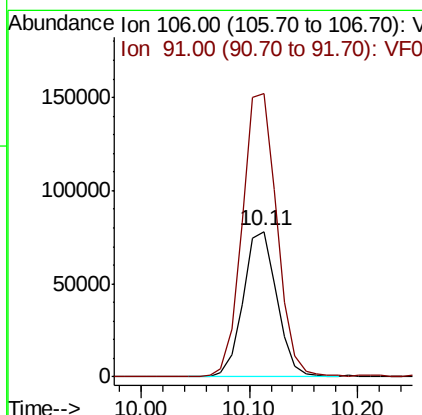
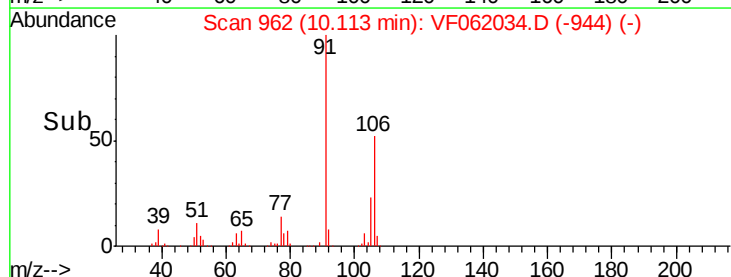
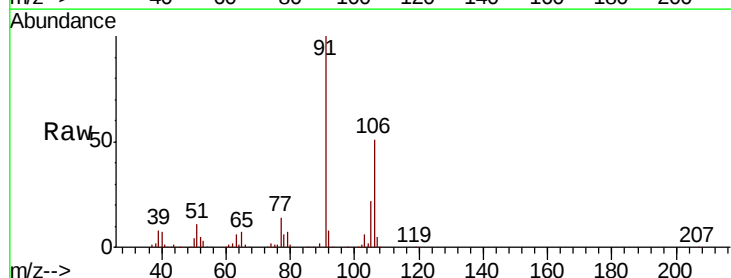
Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

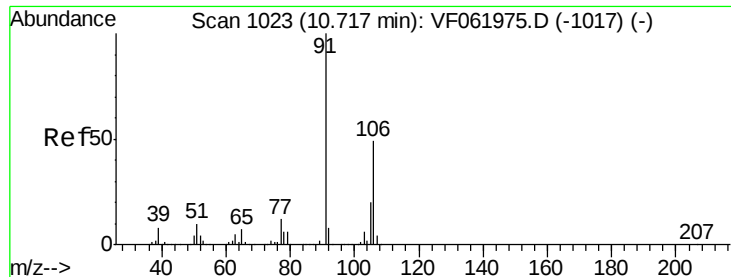
Tgt Ion: 91 Resp: 225543
Ion Ratio Lower Upper
91 100
106 29.0 24.4 36.6



#68
m/p-Xylenes
Concen: 48.457 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 106 Resp: 170010
Ion Ratio Lower Upper
106 100
91 194.2 151.9 227.9

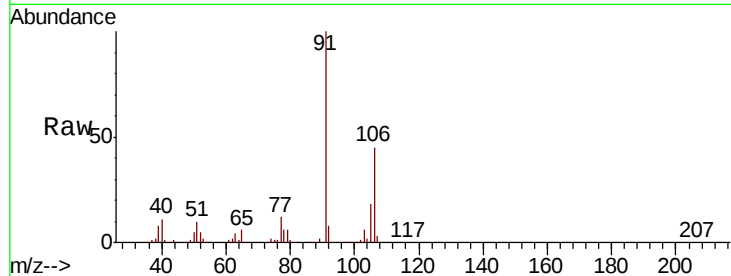




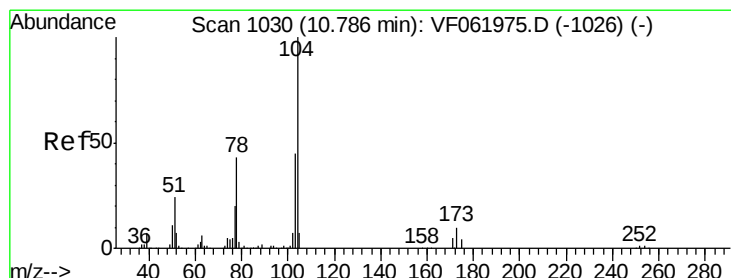
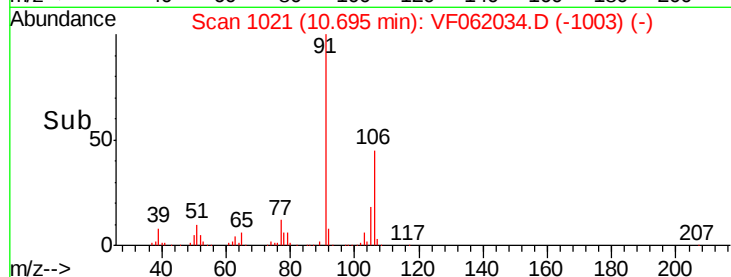
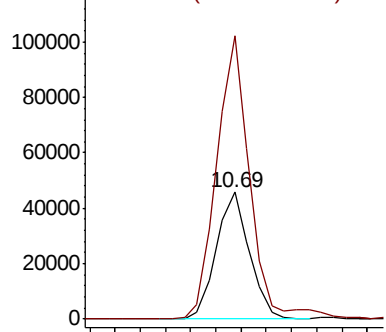
#69
o-Xylene
Concen: 22.343 ug/l
RT: 10.69 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion:106 Resp: 83880
Ion Ratio Lower Upper
106 100
91 222.7 102.3 306.8

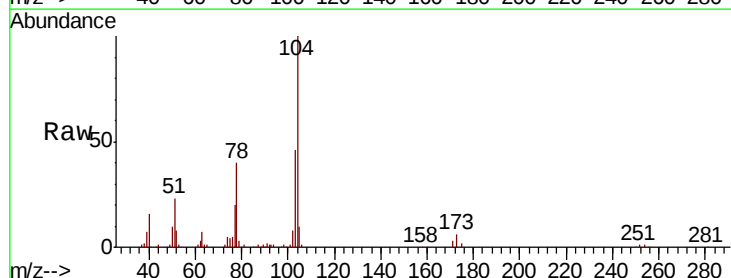


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

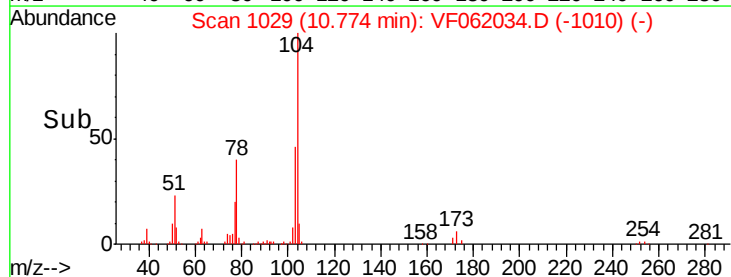
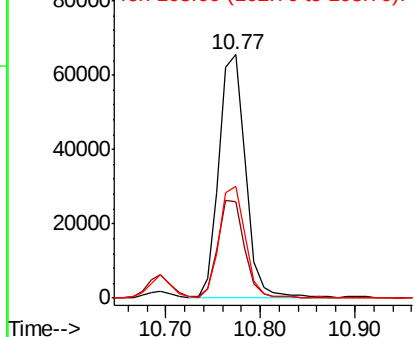


#70
Styrene
Concen: 24.570 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion:104 Resp: 127788
Ion Ratio Lower Upper
104 100
78 39.6 34.7 52.1
103 45.8 36.6 54.8



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: 23.899 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

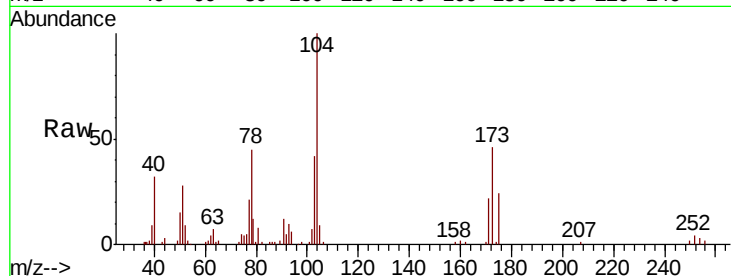
Tgt Ion:173 Resp: 25528

Ion Ratio Lower Upper

173 100

175 53.1 23.7 71.1

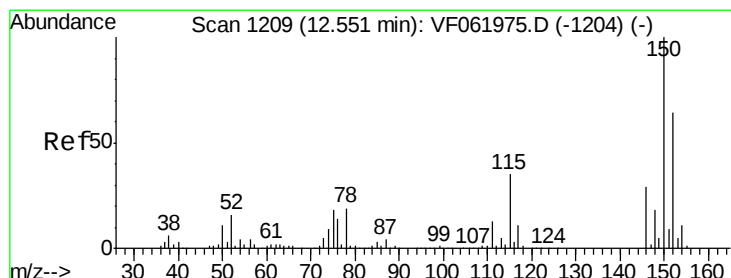
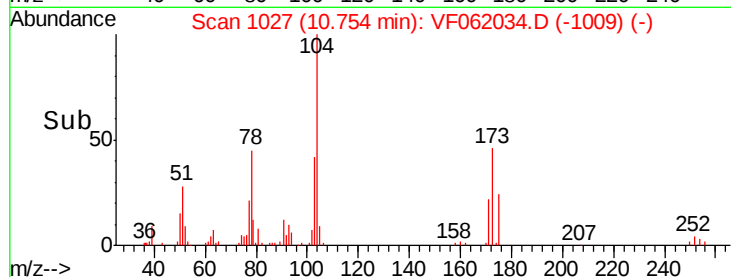
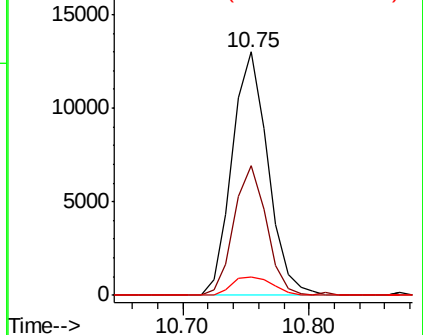
254 7.3 7.8 11.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

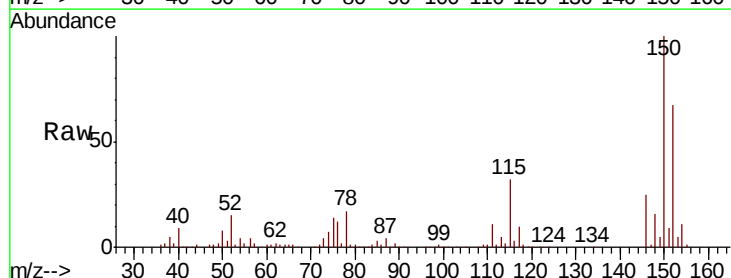
Tgt Ion:152 Resp: 172072

Ion Ratio Lower Upper

152 100

115 48.6 27.3 81.9

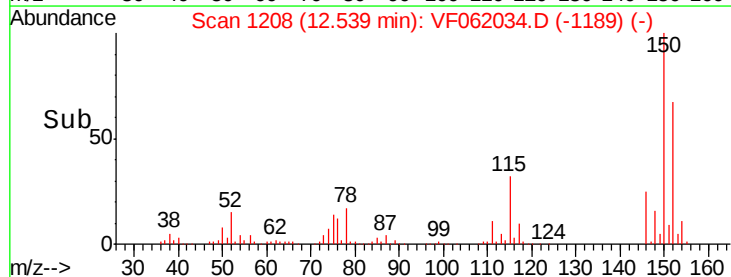
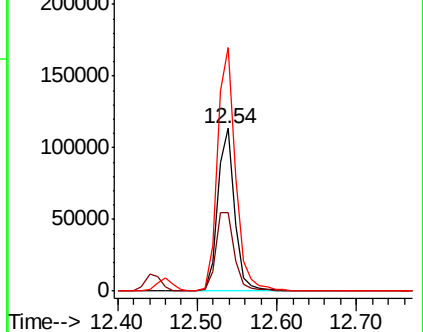
150 149.9 0.0 316.2

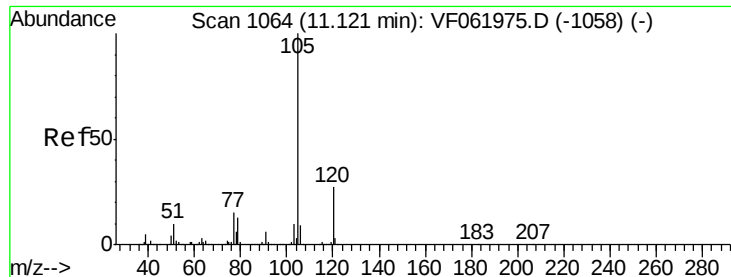


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.444 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

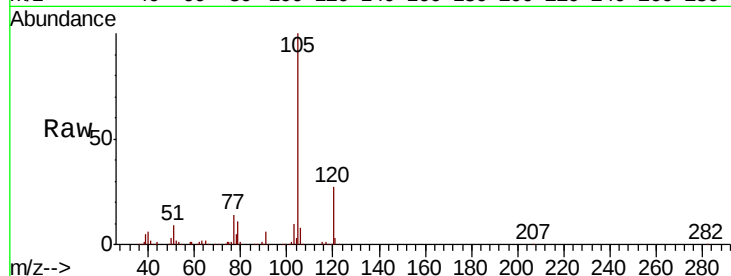
VF0320SBS01

Tgt Ion: 105 Resp: 278698

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

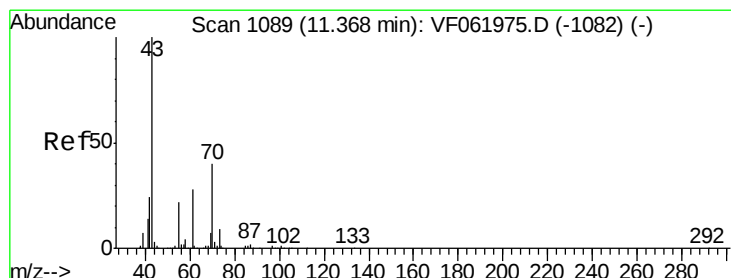
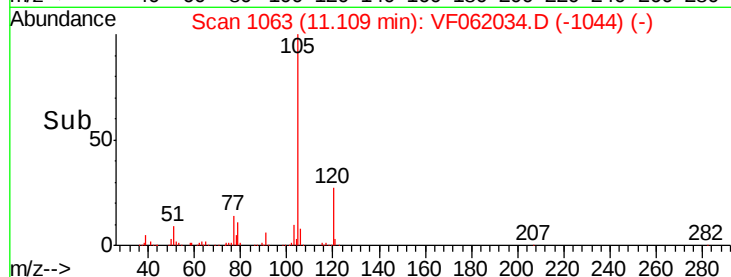
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 22.842 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion: 43 Resp: 62221

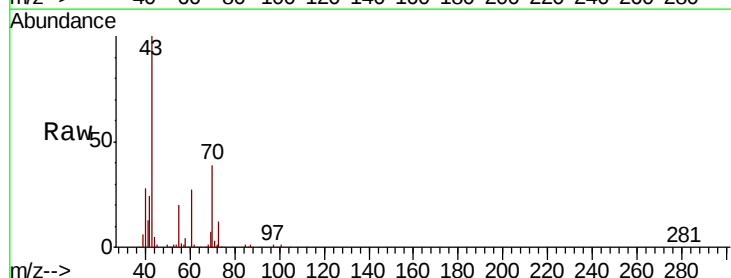
Ion Ratio Lower Upper

43 100

70 39.1 31.9 47.9

55 20.4 17.9 26.9

61 26.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

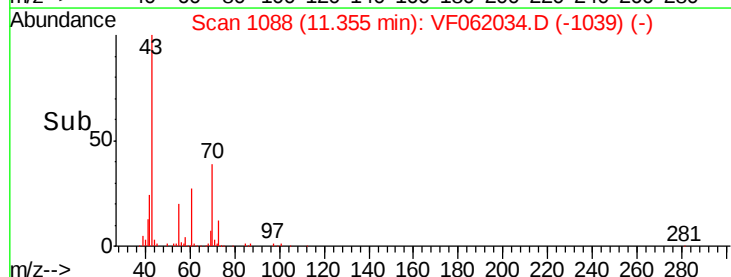
30000

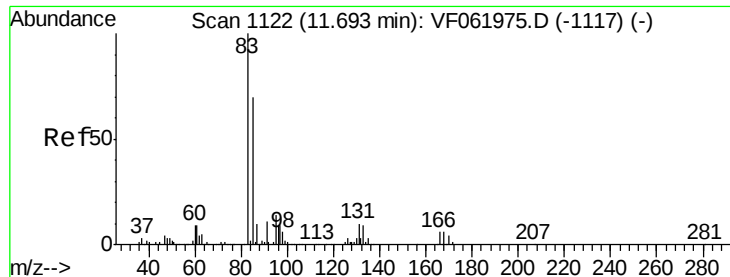
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 21.617 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

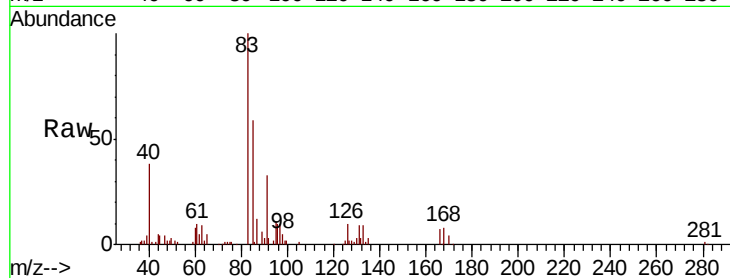
Tgt Ion: 83 Resp: 42418

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.7

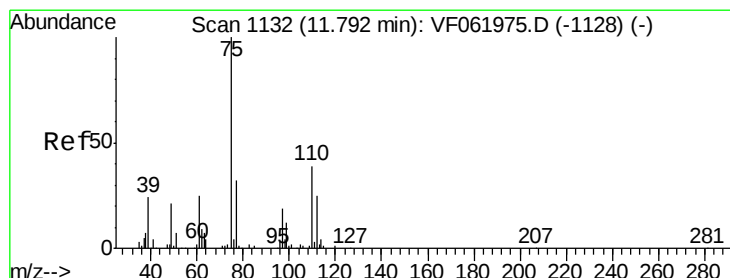
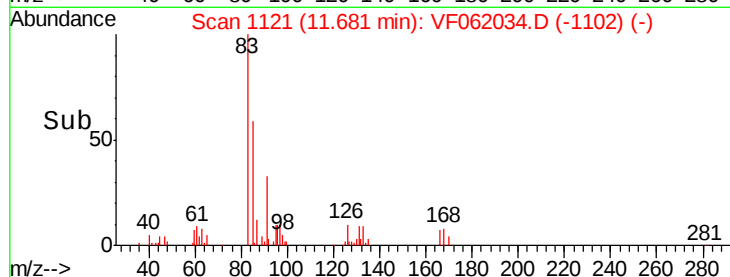
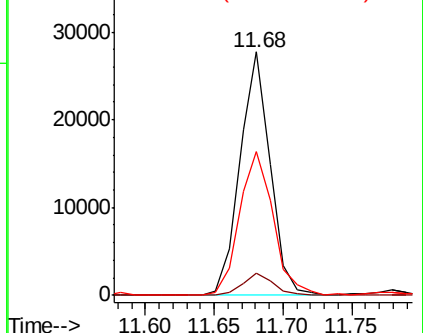
85 59.0 35.3 105.9



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: 22.152 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062034.D

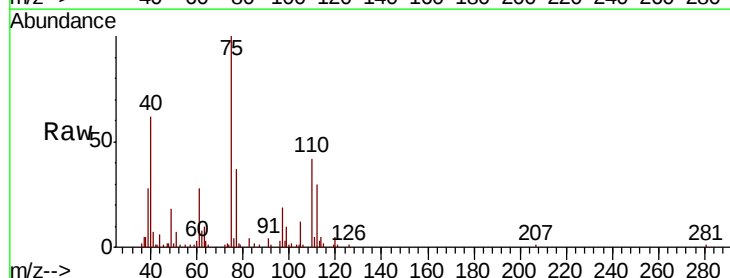
Acq: 20 Mar 2019 12:20

Tgt Ion: 75 Resp: 30395

Ion Ratio Lower Upper

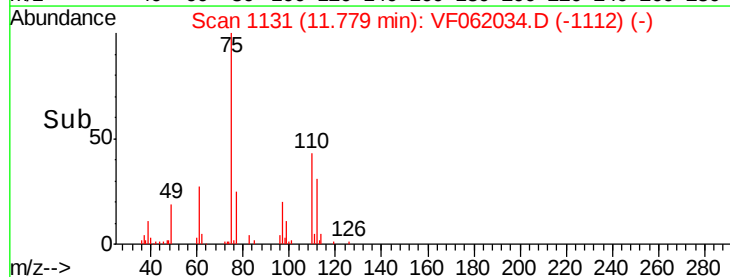
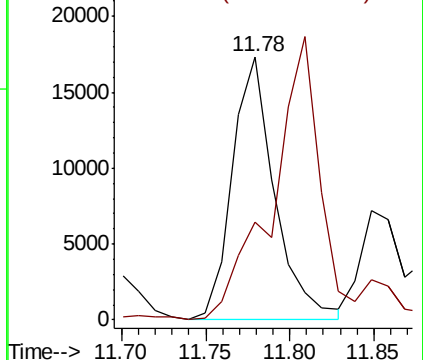
75 100

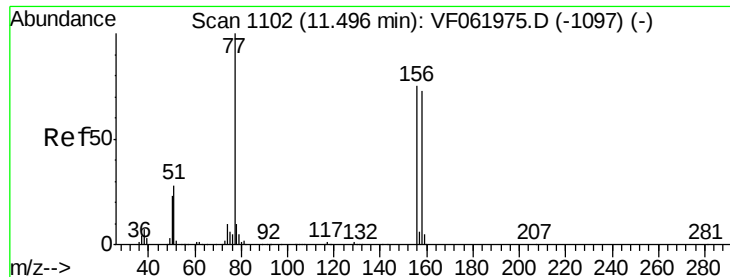
77 37.0 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.384 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

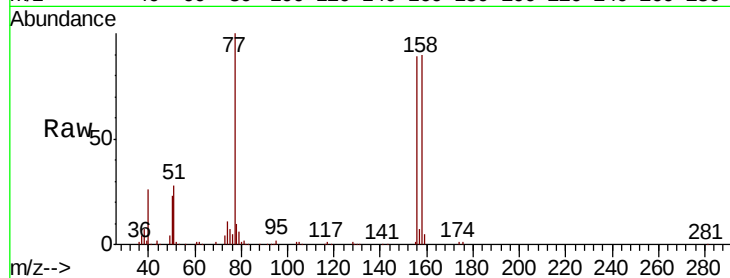
Tgt Ion:156 Resp: 58870

Ion Ratio Lower Upper

156 100

77 112.7 67.0 201.0

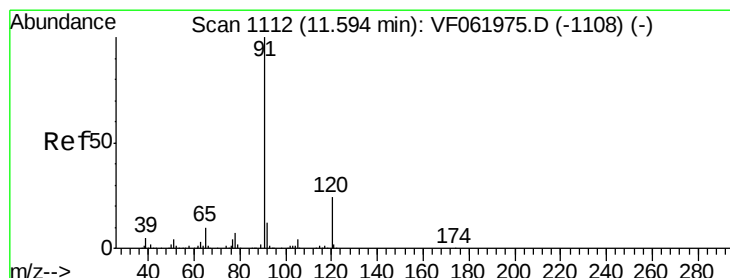
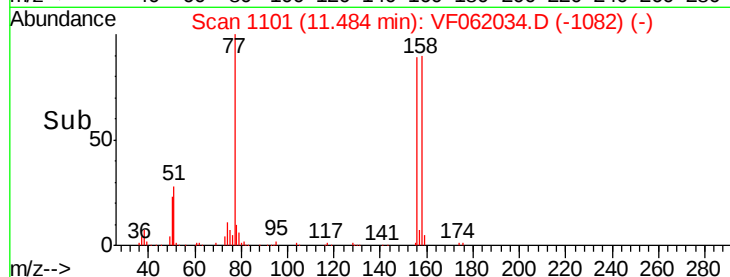
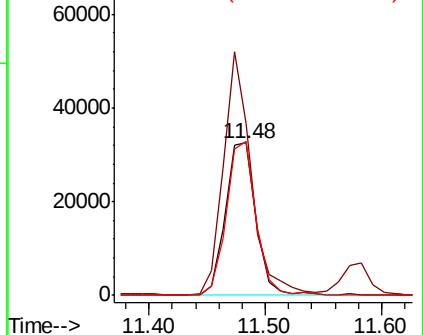
158 101.0 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.285 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062034.D

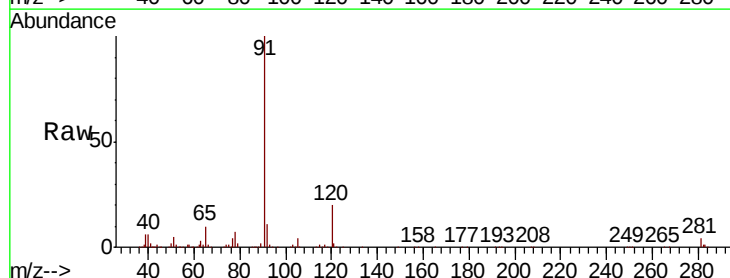
Acq: 20 Mar 2019 12:20

Tgt Ion: 91 Resp: 304619

Ion Ratio Lower Upper

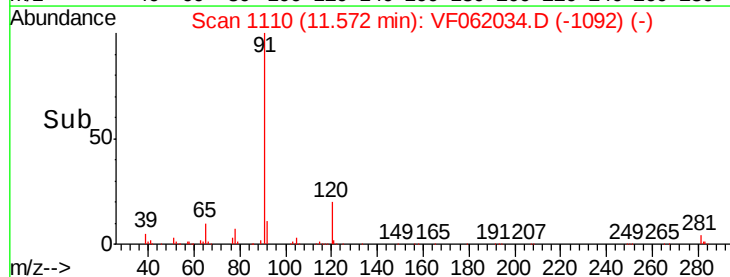
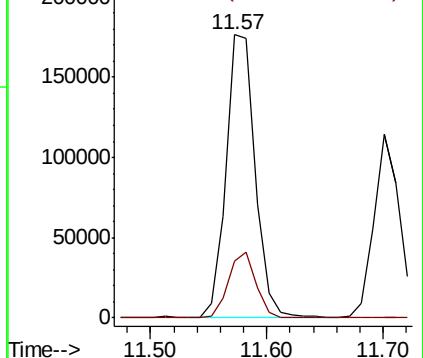
91 100

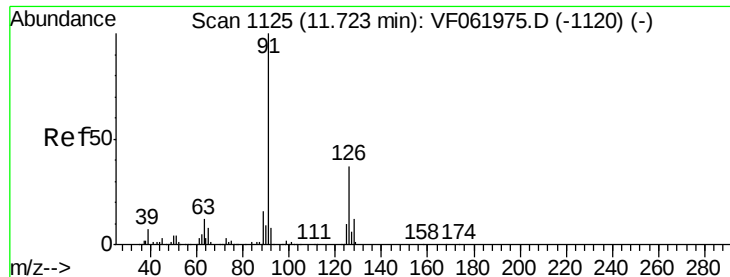
120 20.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.537 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

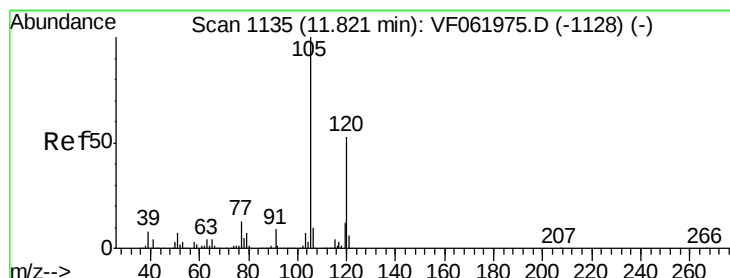
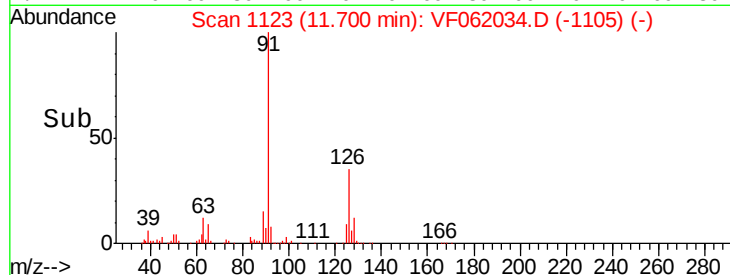
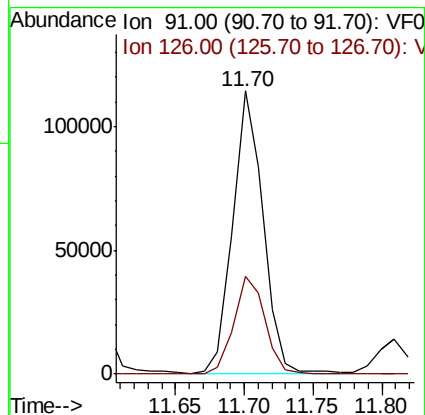
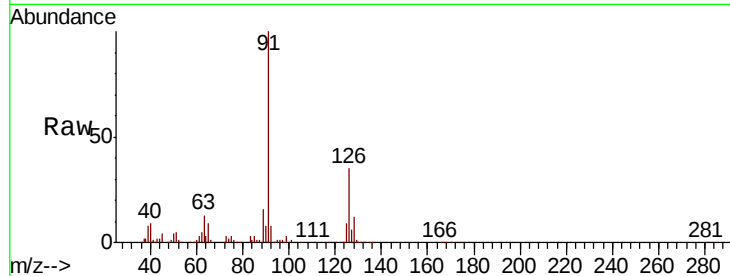
VF0320SBS01

Tgt Ion: 91 Resp: 173885

Ion Ratio Lower Upper

91 100

126 34.6 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 22.960 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062034.D

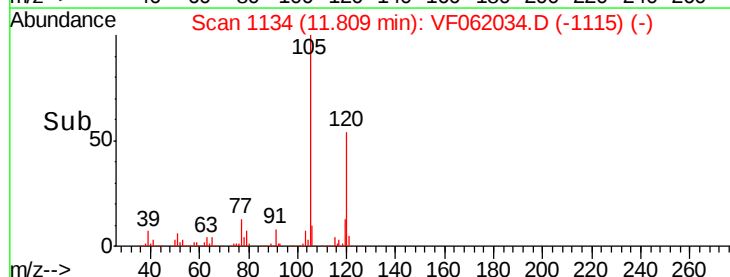
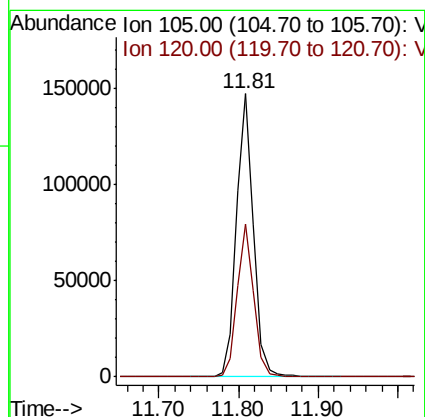
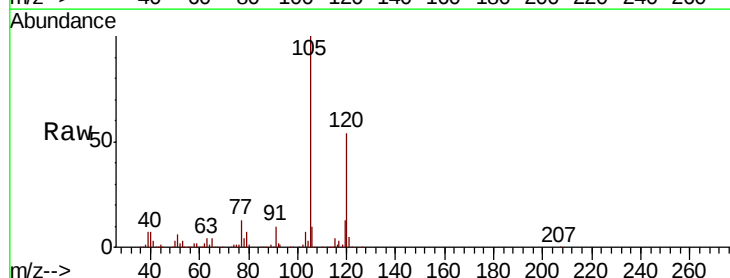
Acq: 20 Mar 2019 12:20

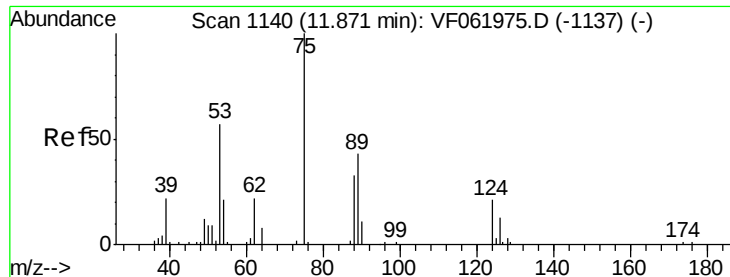
Tgt Ion: 105 Resp: 220484

Ion Ratio Lower Upper

105 100

120 54.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 27.079 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

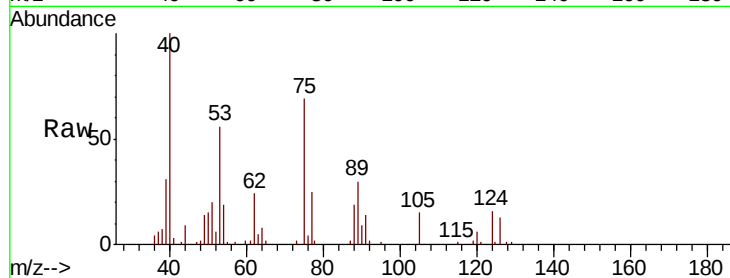
Tgt Ion: 75 Resp: 16437

Ion Ratio Lower Upper

75 100

53 80.8 49.0 73.6#

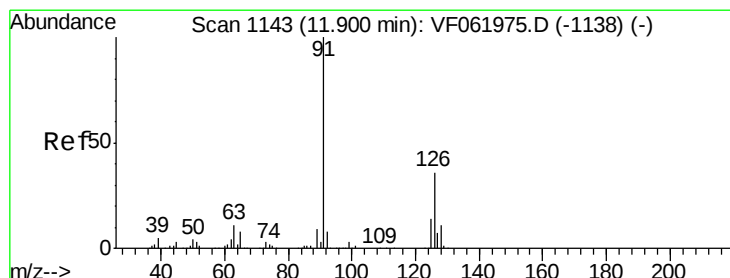
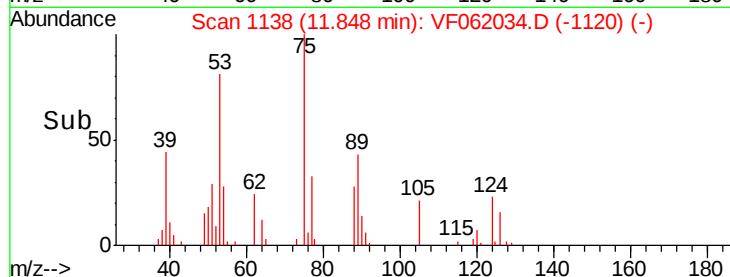
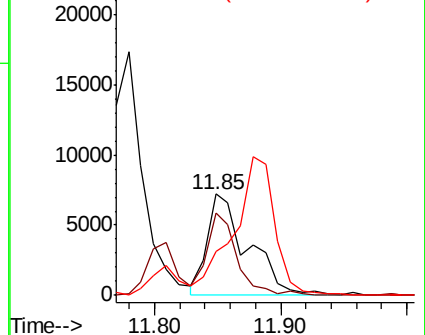
89 43.3 37.1 55.7



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: 21.456 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062034.D

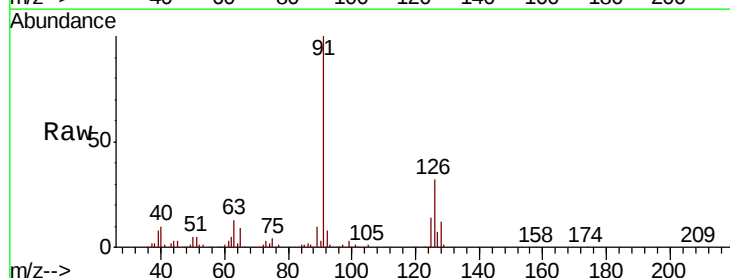
Acq: 20 Mar 2019 12:20

Tgt Ion: 91 Resp: 167413

Ion Ratio Lower Upper

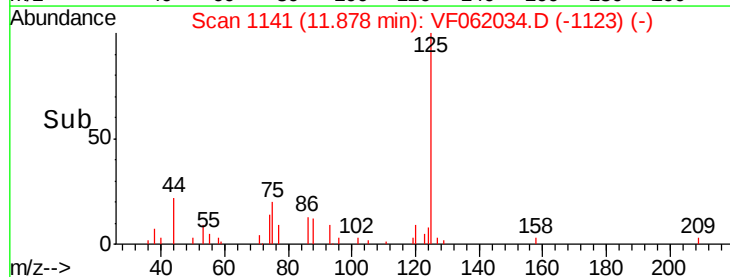
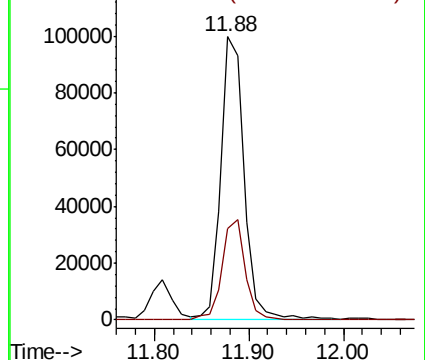
91 100

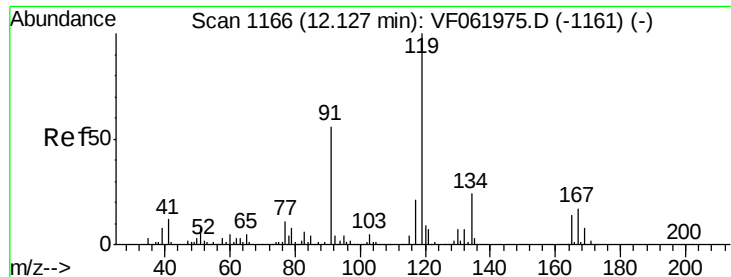
126 32.4 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

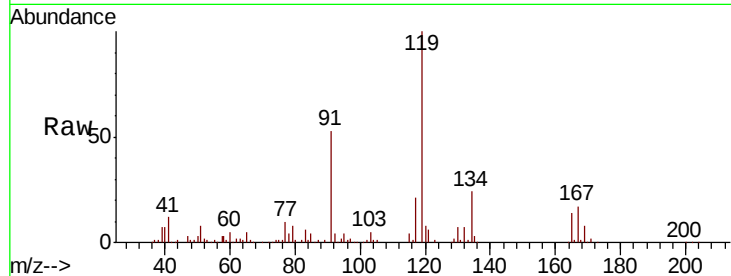




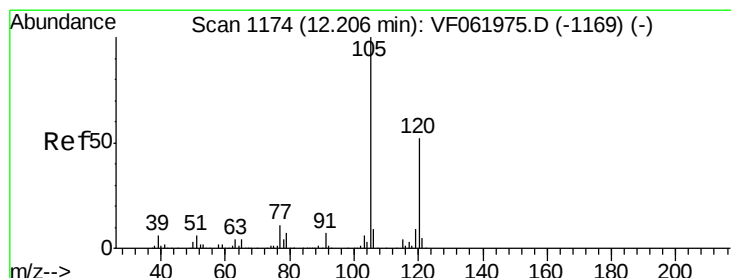
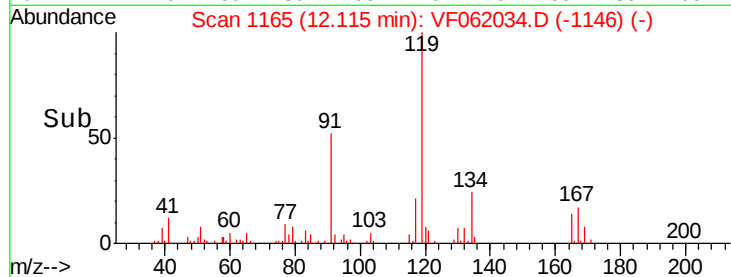
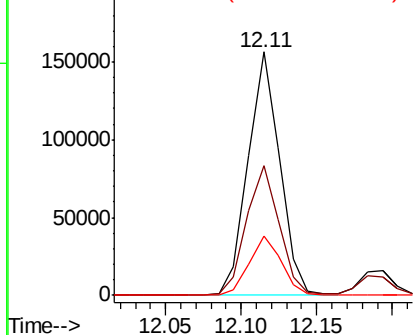
#83
tert-Butylbenzene
Concen: 22.934 ug/l
RT: 12.11 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion:119 Resp: 230320
Ion Ratio Lower Upper
119 100
91 53.4 27.9 83.6
134 24.3 12.3 36.8

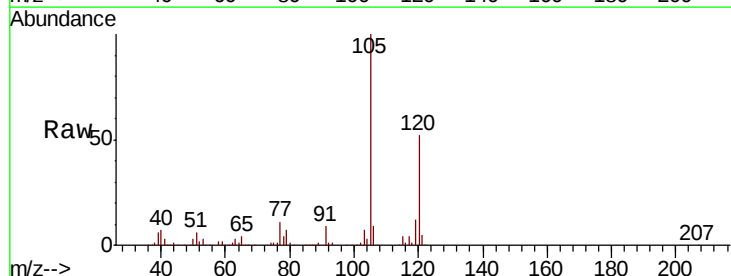


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

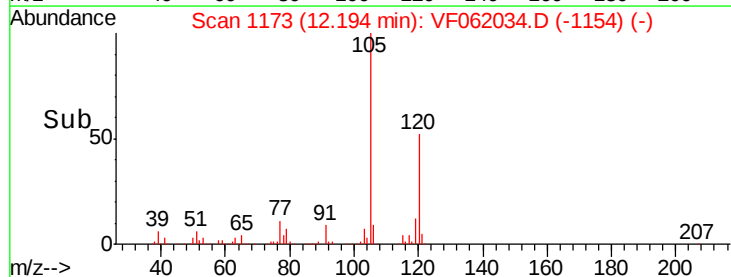
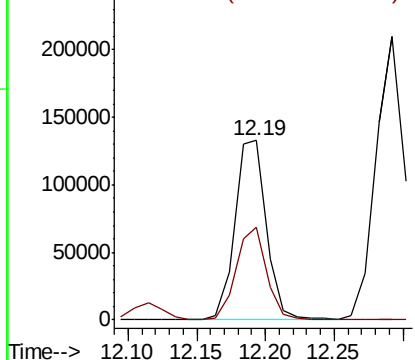


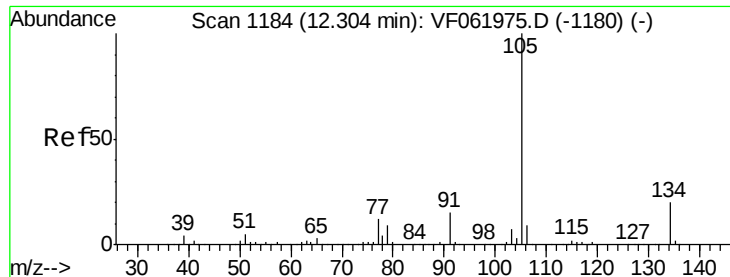
#84
1,2,4-Trimethylbenzene
Concen: 22.155 ug/l
RT: 12.19 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion:105 Resp: 213101
Ion Ratio Lower Upper
105 100
120 51.9 25.9 77.8



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

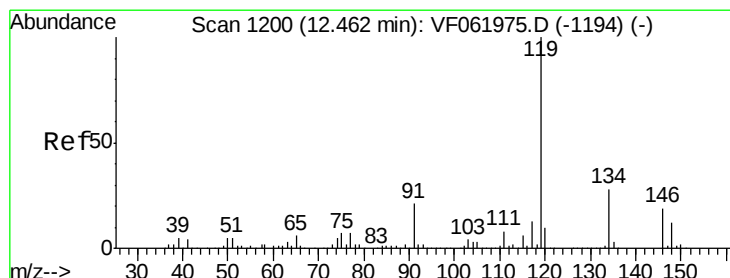
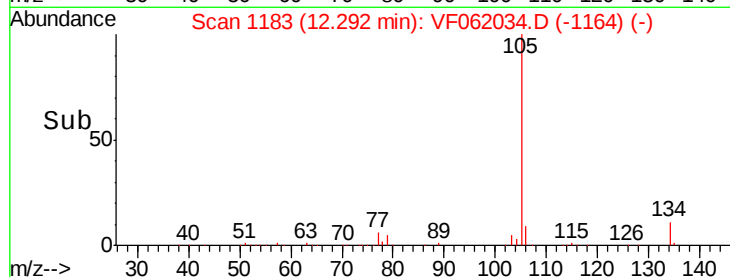
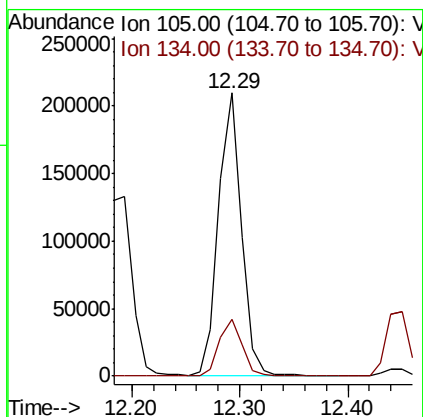
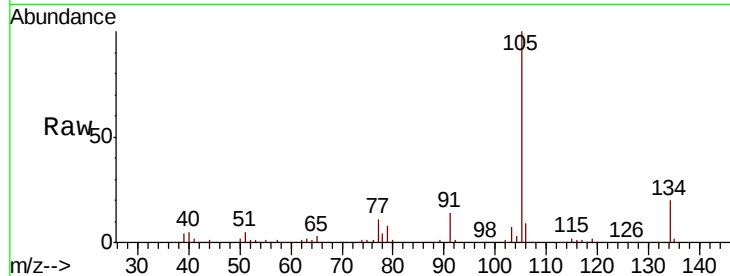




#85
 sec-Butylbenzene
 Concen: 22.786 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

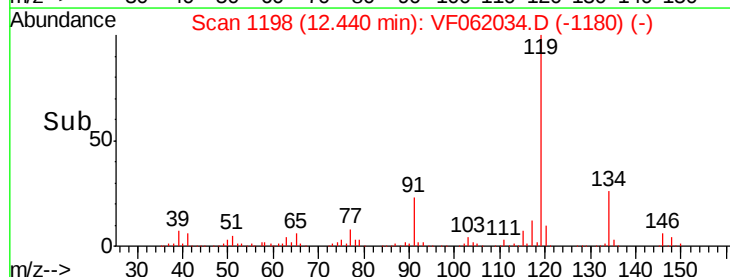
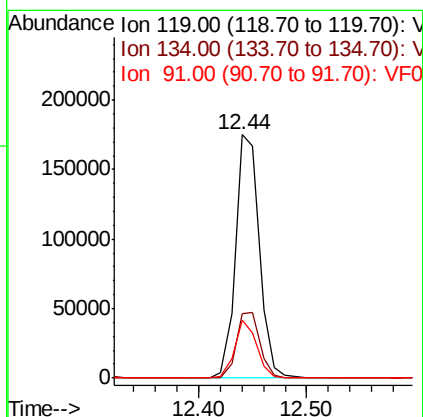
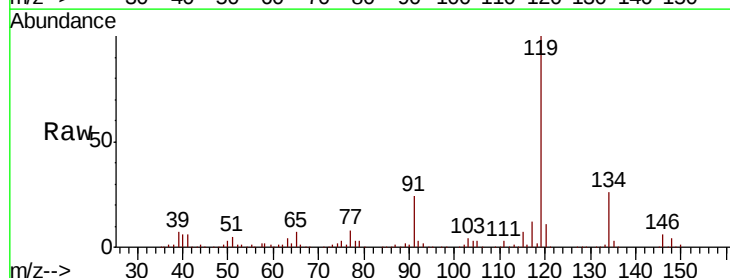
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

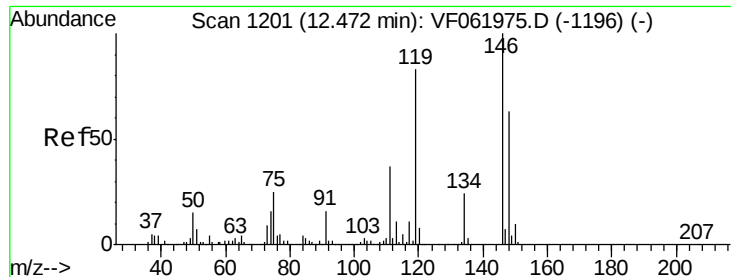
Tgt Ion:105 Resp: 309175
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 23.762 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion:119 Resp: 269040
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.9 41.7
 91 23.6 10.4 31.1

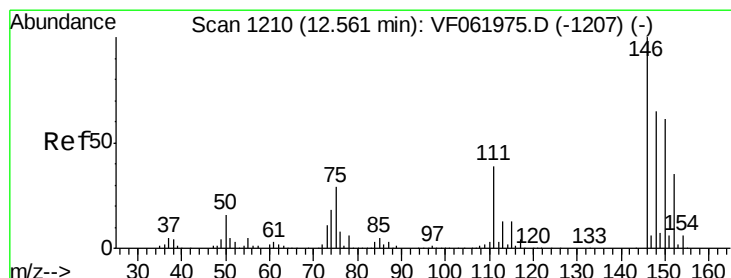
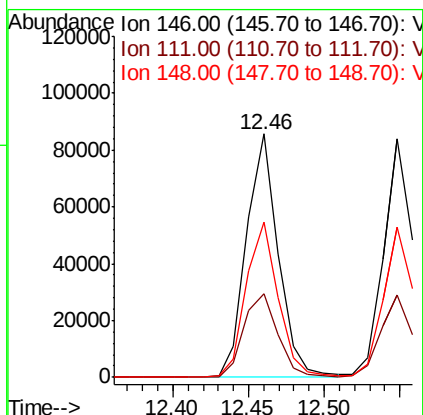
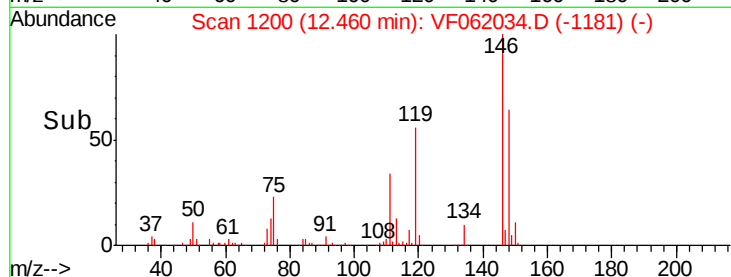
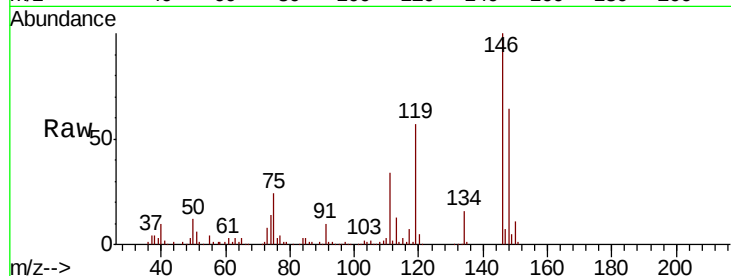




#87
 1,3-Dichlorobenzene
 Concen: 23.347 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

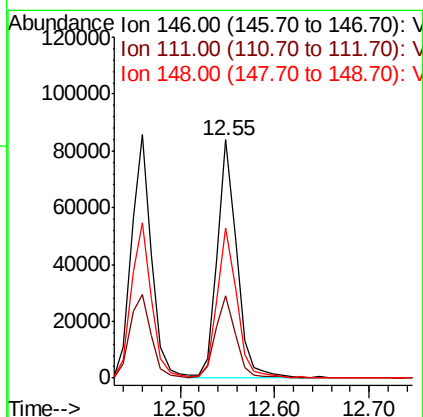
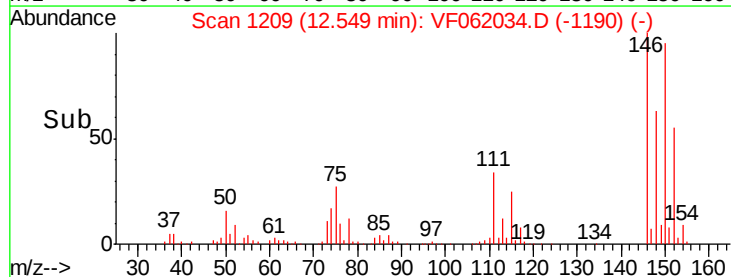
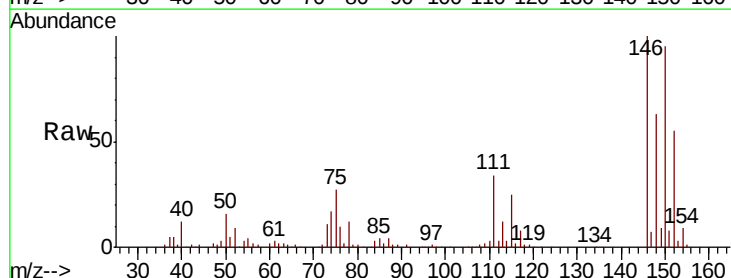
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

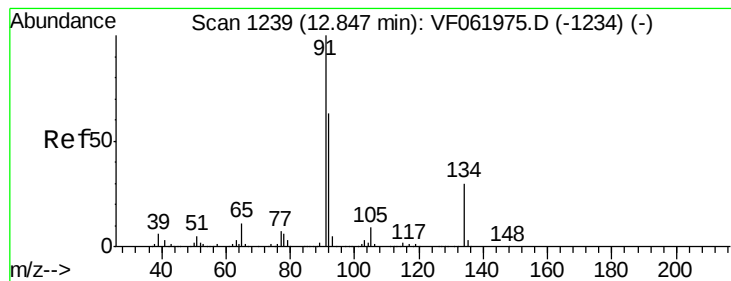
Tgt Ion:146 Resp: 126325
 Ion Ratio Lower Upper
 146 100
 111 34.4 18.6 55.8
 148 63.7 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 23.300 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion:146 Resp: 121345
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.4 58.1
 148 63.3 32.4 97.0





#89

n-Butylbenzene

Concen: 24.381 ug/l

RT: 12.82 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

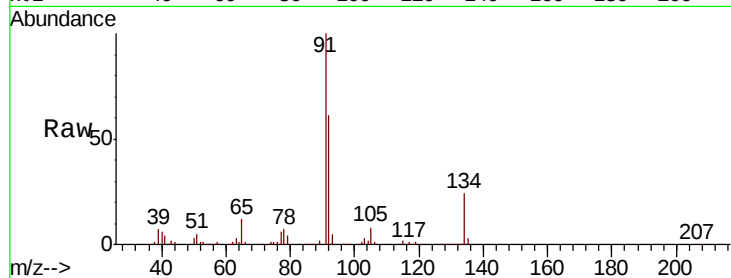
Tgt Ion: 91 Resp: 259385

Ion Ratio Lower Upper

91 100

92 60.9 31.7 95.1

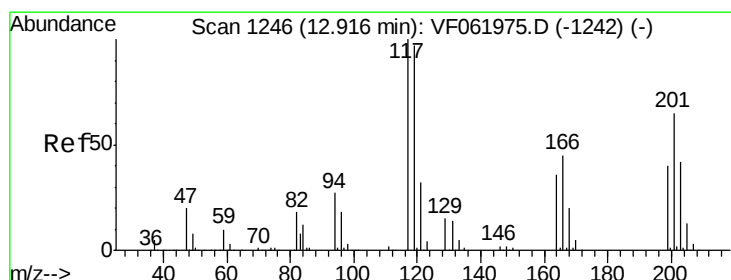
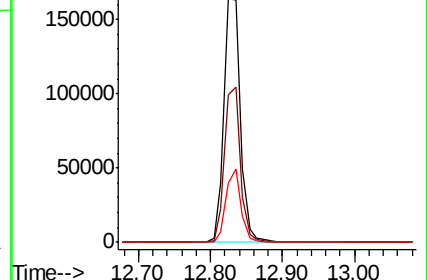
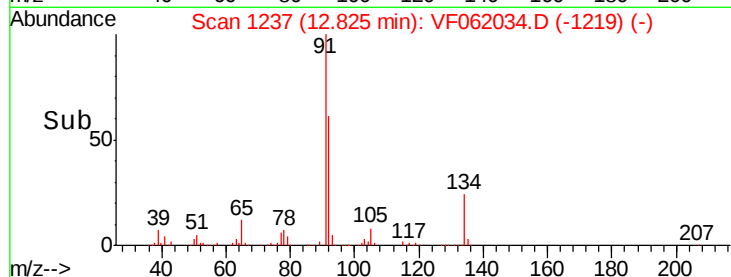
134 24.2 15.1 45.3



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: 23.890 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF062034.D

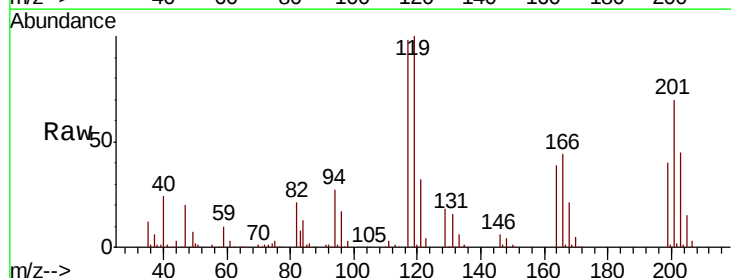
Acq: 20 Mar 2019 12:20

Tgt Ion: 117 Resp: 61728

Ion Ratio Lower Upper

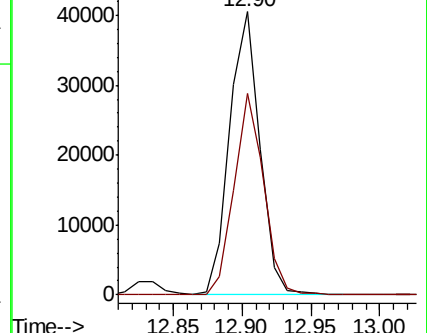
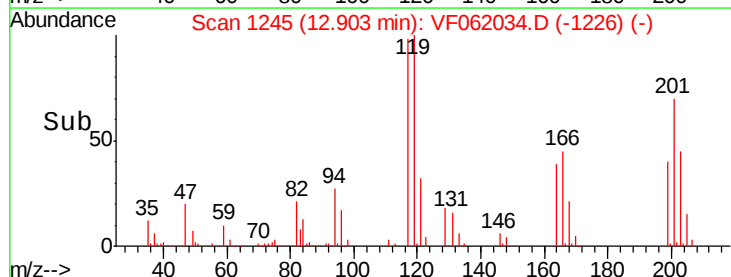
117 100

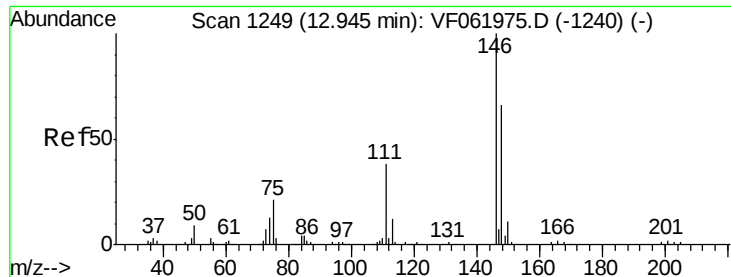
201 71.4 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 23.305 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

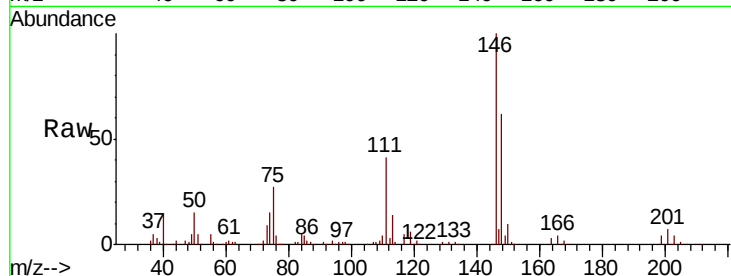
Tgt Ion:146 Resp: 116788

Ion Ratio Lower Upper

146 100

111 41.4 18.9 56.5

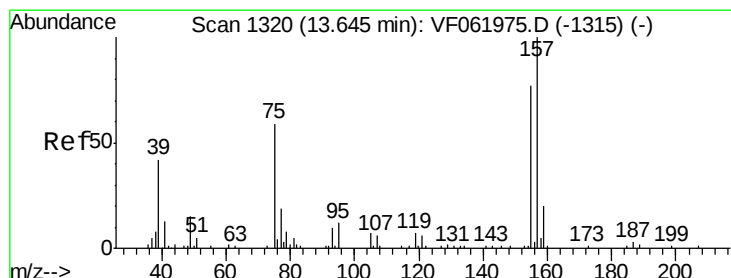
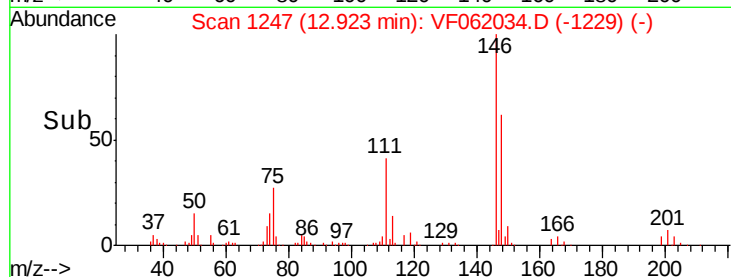
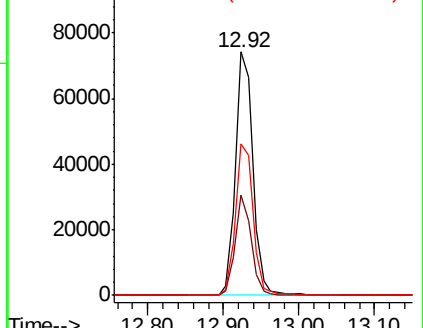
148 62.0 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.897 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

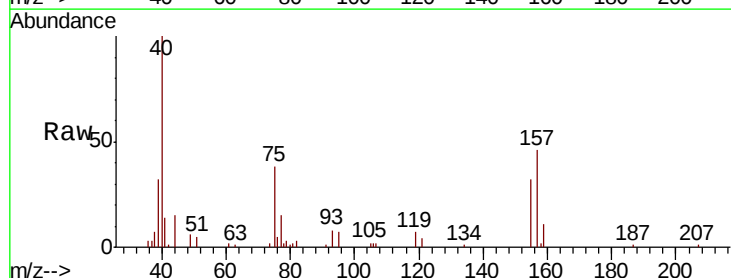
Tgt Ion: 75 Resp: 6895

Ion Ratio Lower Upper

75 100

155 84.5 65.0 195.1

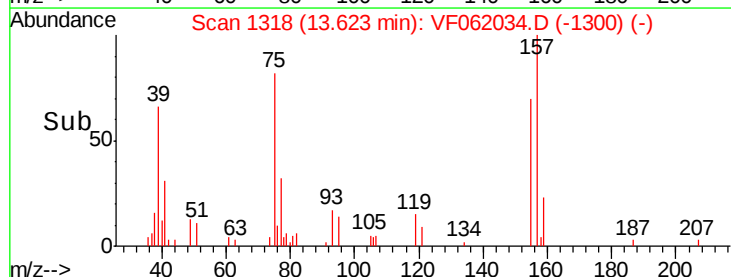
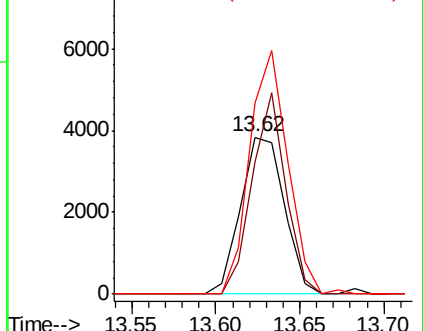
157 121.5 84.7 254.0

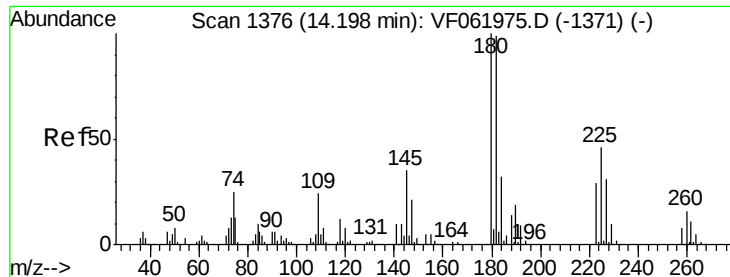


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 22.966 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

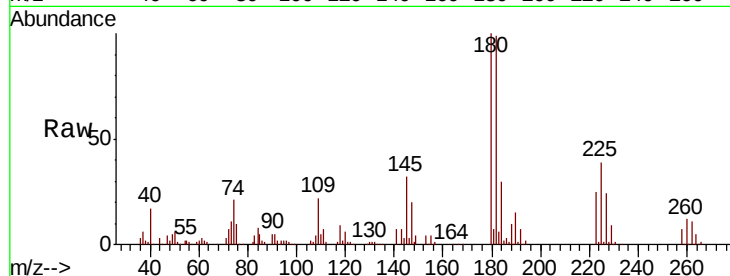
Tgt Ion:180 Resp: 80144

Ion Ratio Lower Upper

180 100

182 99.2 49.6 149.0

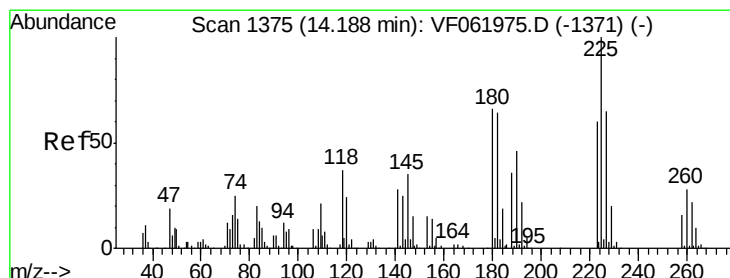
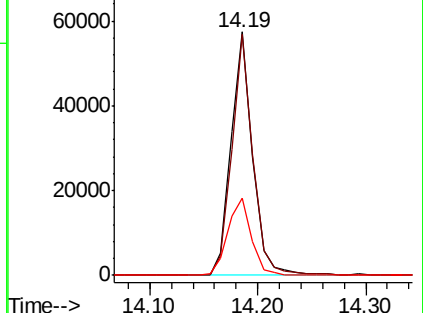
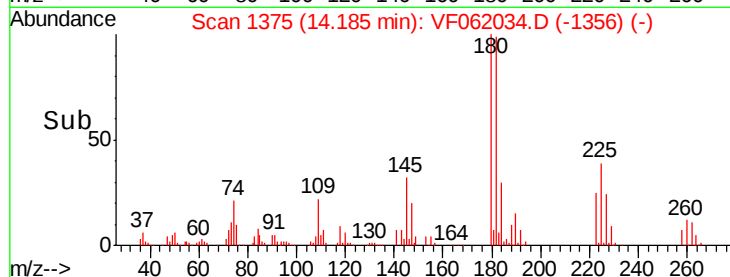
145 31.9 17.5 52.5



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: 23.255 ug/l

RT: 14.18 min Scan# 1374

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

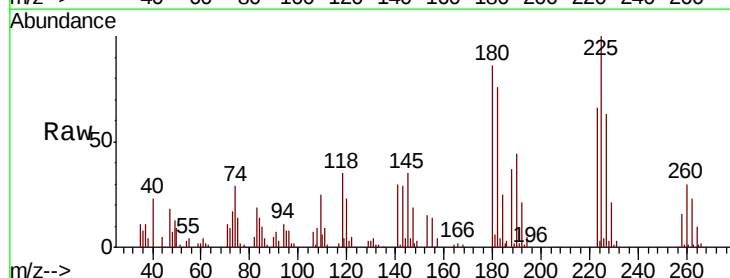
Tgt Ion:225 Resp: 53876

Ion Ratio Lower Upper

225 100

223 65.7 29.9 89.7

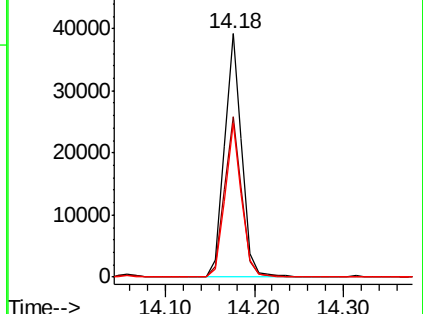
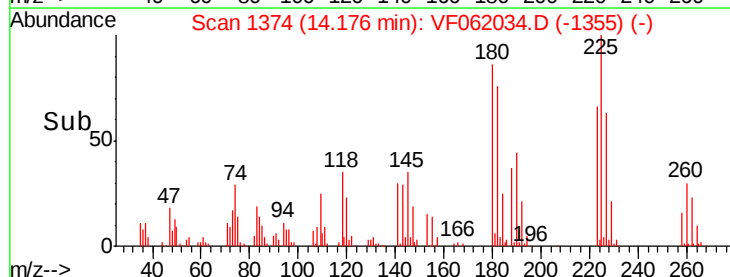
227 63.4 32.4 97.2

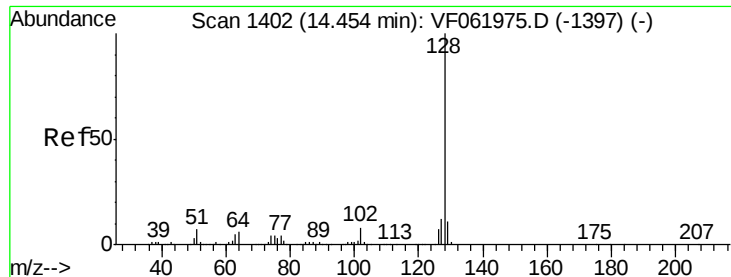


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

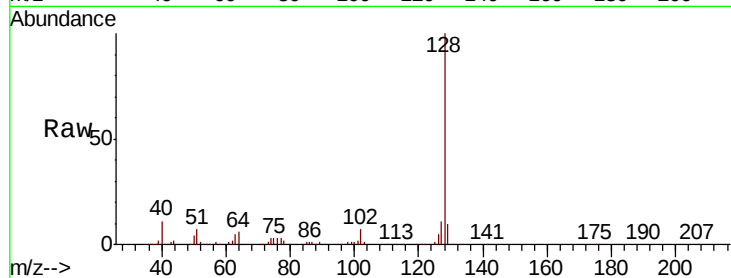




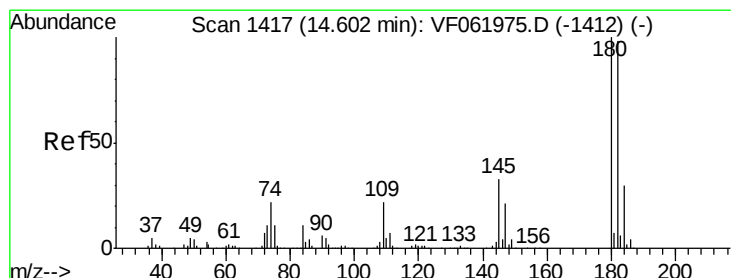
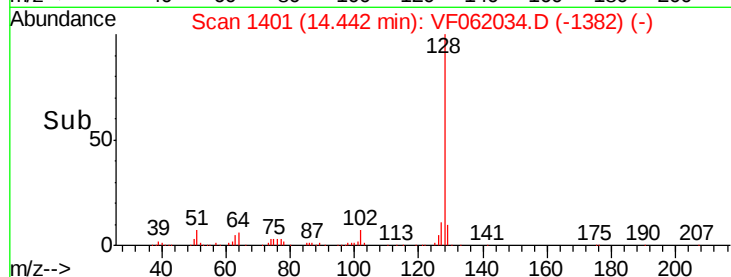
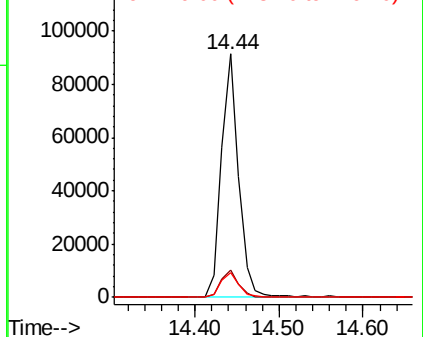
#95
Naphthalene
Concen: 20.802 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tgt Ion:128 Resp: 130561
Ion Ratio Lower Upper
128 100
127 11.1 9.3 13.9
129 10.3 9.1 13.7

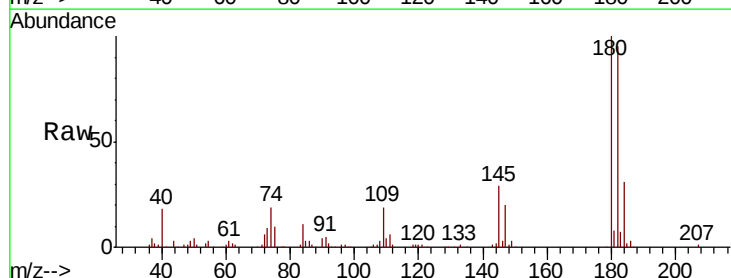


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.736 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion:180 Resp: 76205
Ion Ratio Lower Upper
180 100
182 95.4 48.9 146.8
145 29.0 16.7 50.1



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

