

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061980.D
 Acq On : 16 Mar 2019 17:30
 Operator : VA/AP
 Sample : VF0316SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Quant Time: Mar 18 07:36:47 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	4.87	168	249938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	397405	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	339965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	184847	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	89963	50.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	4.11	113	135652	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	7.56	98	352767	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.41	95	148572	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	55114	20.685	ug/l	92
3) Chloromethane	1.09	50	57389	21.195	ug/l	93
4) Vinyl Chloride	1.15	62	59577	22.750	ug/l	99
5) Bromomethane	1.32	94	36379	19.775	ug/l	95
6) Chloroethane	1.40	64	28166	20.835	ug/l	99
7) Trichlorofluoromethane	1.47	101	74453	21.460	ug/l	99
8) Diethyl Ether	1.63	74	16454	21.334	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	56263	23.018	ug/l	93
10) Methyl Iodide	1.91	142	68506	16.013	ug/l	96
11) Tert butyl alcohol	2.58	59	11512	104.567	ug/l	97
12) 1,1-Dichloroethene	1.80	96	47730	22.626	ug/l	99
13) Acrolein	2.00	56	12554	105.631	ug/l	91
14) Allyl chloride	2.09	41	59603	22.135	ug/l	99
15) Acrylonitrile	2.94	53	32891	98.246	ug/l	91
16) Acetone	2.24	43	46340	114.701	ug/l	95
17) Carbon Disulfide	1.77	76	23064	3.780	ug/l	97
18) Methyl Acetate	2.43	43	18991	22.977	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	78736	20.599	ug/l	99
20) Methylene Chloride	2.25	84	24567	11.811	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	50376	22.884	ug/l	95
22) Diisopropyl ether	2.80	45	142845	22.054	ug/l	96
23) Vinyl Acetate	3.19	43	290458	113.759	ug/l	99
24) 1,1-Dichloroethane	2.87	63	80728	21.436	ug/l	98
25) 2-Butanone	4.33	43	79506	99.367	ug/l	95
26) 2,2-Dichloropropane	3.60	77	36837	20.737	ug/l	87
27) cis-1,2-Dichloroethene	3.48	96	56694	20.433	ug/l	93
28) Bromochloromethane	3.72	49	32614	20.870	ug/l	86
29) Tetrahydrofuran	4.07	42	36439	104.719	ug/l	97
30) Chloroform	3.86	83	90818	21.283	ug/l	95
31) Cyclohexane	3.70	56	52640	14.266	ug/l	94
32) 1,1,1-Trichloroethane	4.09	97	58089	20.498	ug/l	94
36) 1,1-Dichloropropene	4.28	75	72190	20.116	ug/l	93
37) Ethyl Acetate	4.11	43	30017	18.628	ug/l	94
38) Carbon Tetrachloride	3.99	117	51703	19.713	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	85122	20.204	ug/l	96
40) Benzene	4.64	78	188363	19.808	ug/l	96
41) Methacrylonitrile	4.75	41	18108	21.033	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	48401	20.446	ug/l	97
43) Isopropyl Acetate	6.95	43	34282	17.981	ug/l #	87
44) Trichloroethene	5.50	130	60829	20.882	ug/l	96
45) 1,2-Dichloropropane	6.24	63	44807	19.910	ug/l	96
46) Dibromomethane	6.09	93	25700	19.197	ug/l	92
47) Bromodichloromethane	6.38	83	61605	19.519	ug/l #	93
48) Methyl methacrylate	6.72	41	19824	16.089	ug/l #	69
49) 1,4-Dioxane	6.72	88	3691	336.763	ug/l #	66
51) 4-Methyl-2-Pentanone	8.26	43	131717	97.291	ug/l	96
52) Toluene	7.62	92	111050	19.113	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	50592	18.987	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	66363	19.087	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	32333	19.939	ug/l	96
56) Ethyl methacrylate	8.62	69	35130	19.057	ug/l	96
57) 1,3-Dichloropropane	8.85	76	52504	19.410	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.29	63	33080	99.074	ug/l	94
59) 2-Hexanone	9.49	43	98648	100.683	ug/l	100
60) Dibromochloromethane	8.72	129	44129	19.602	ug/l	91
61) 1,2-Dibromoethane	8.99	107	34589	19.885	ug/l	89
64) Tetrachloroethene	8.15	164	50117	20.281	ug/l	91
65) Chlorobenzene	9.79	112	127605	20.160	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	53150	21.663	ug/l	95
67) Ethyl Benzene	9.90	91	220675	20.362	ug/l	98
68) m/p-Xylenes	10.13	106	169707	41.635	ug/l	91
69) o-Xylene	10.71	106	87596	20.084	ug/l	97
70) Styrene	10.79	104	122304	20.241	ug/l	98
71) Bromoform	10.77	173	26013	20.962	ug/l #	91
73) Isopropylbenzene	11.13	105	258365	20.232	ug/l	99
74) N-amyl acetate	11.37	43	60036	20.517	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	42853	20.330	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	27345	18.552	ug/l	93
77) Bromobenzene	11.49	156	59664	20.175	ug/l	91
78) n-propylbenzene	11.59	91	303476	20.667	ug/l	95
79) 2-Chlorotoluene	11.72	91	170129	20.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	199943	19.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	18083	27.732	ug/l #	86
82) 4-Chlorotoluene	11.89	91	171312	20.439	ug/l	93
83) tert-Butylbenzene	12.13	119	218929	20.293	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	204070	19.750	ug/l	94
85) sec-Butylbenzene	12.31	105	294728	20.220	ug/l	99
86) p-Isopropyltoluene	12.46	119	255584	21.014	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	121736	20.944	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	115810	20.701	ug/l	97
89) n-Butylbenzene	12.84	91	237822	20.809	ug/l	96
90) Hexachloroethane	12.92	117	56575	20.383	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	111013	20.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	5746	16.987	ug/l	89

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QLast Update : Mon Mar 18 07:28:40 2019
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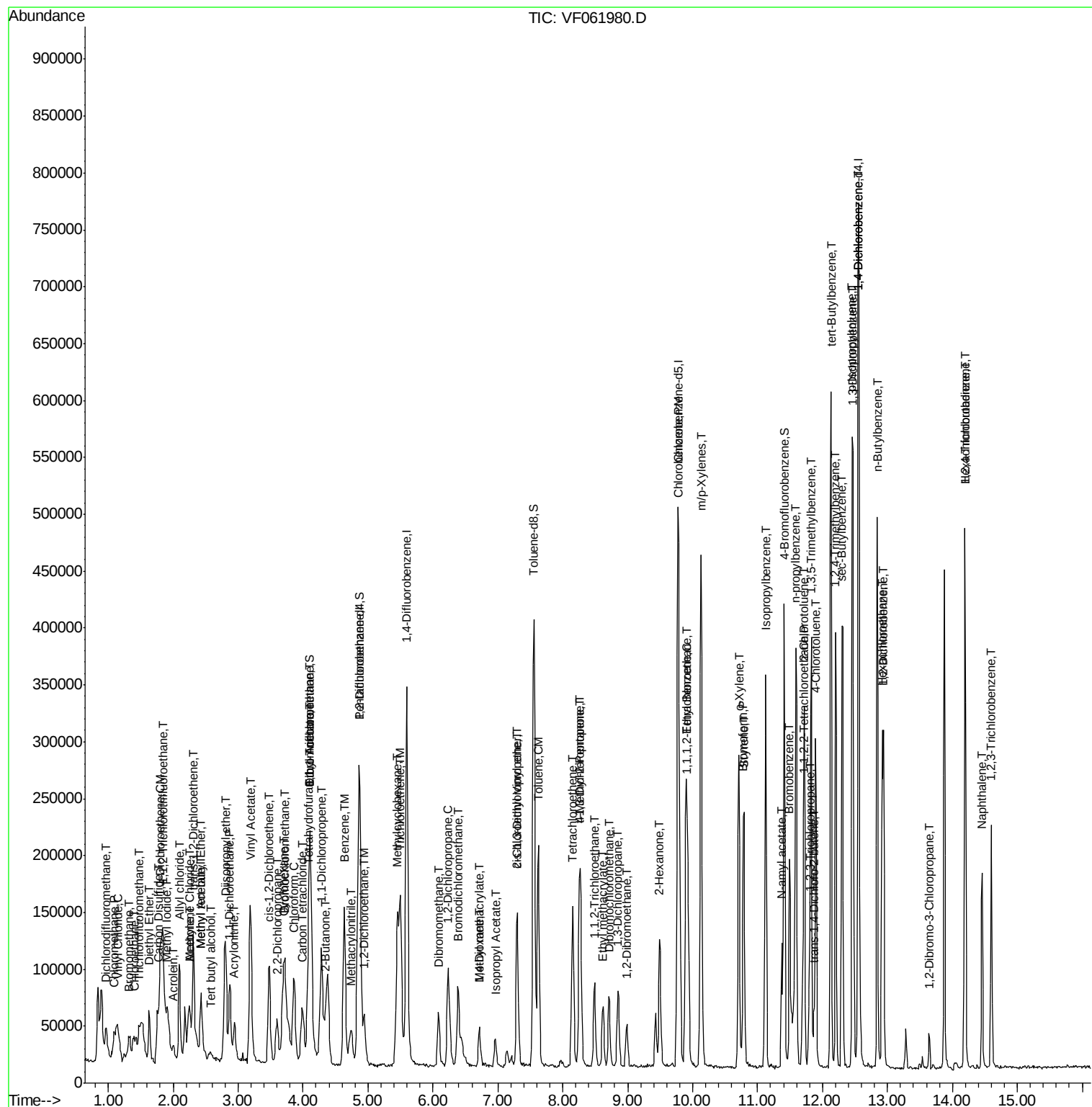
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	77864	20.770	ug/l	93
94) Hexachlorobutadiene	14.19	225	50768	20.399	ug/l	97
95) Naphthalene	14.46	128	128002	18.985	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	69506	20.153	ug/l	95

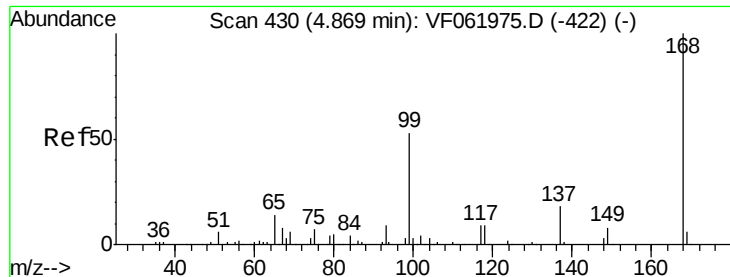
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
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Acq On : 16 Mar 2019 17:30
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

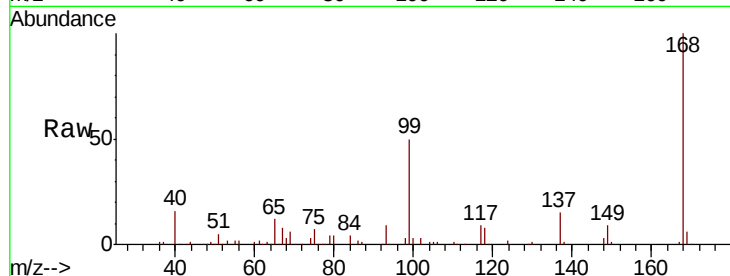
VF0316SBS01

Tgt Ion:168 Resp: 249938

Ion Ratio Lower Upper

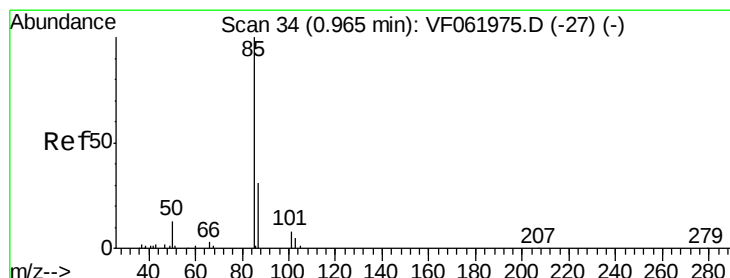
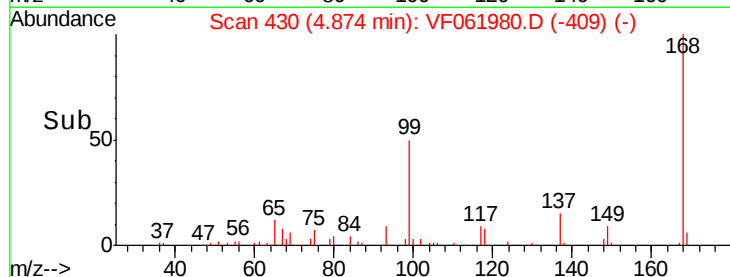
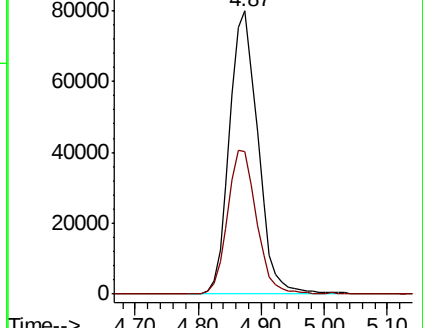
168 100

99 50.4 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: 20.685 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061980.D

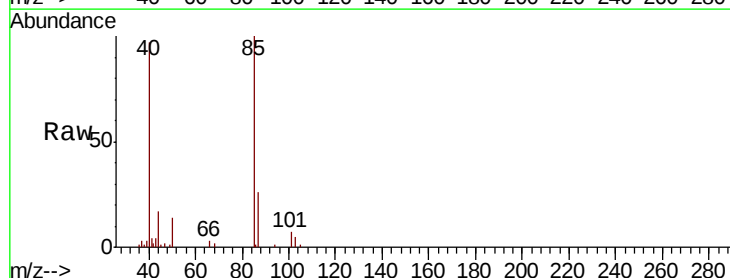
Acq: 16 Mar 2019 17:30

Tgt Ion: 85 Resp: 55114

Ion Ratio Lower Upper

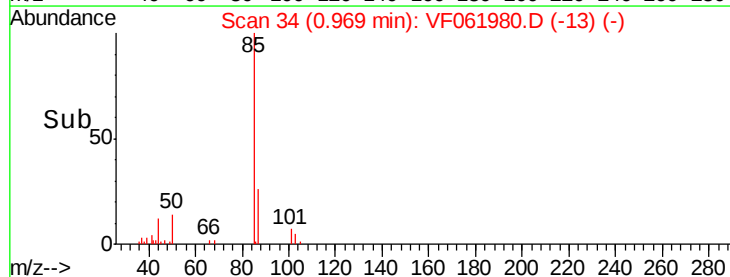
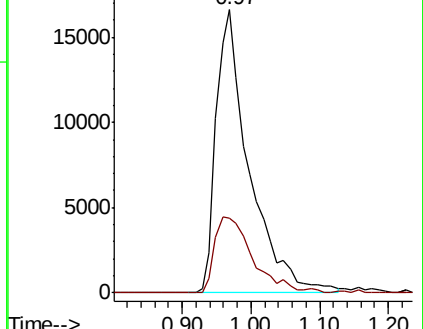
85 100

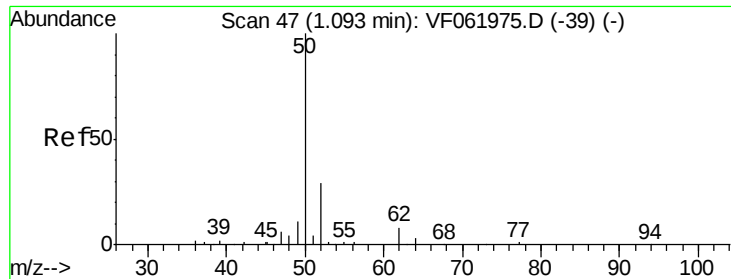
87 26.4 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.195 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

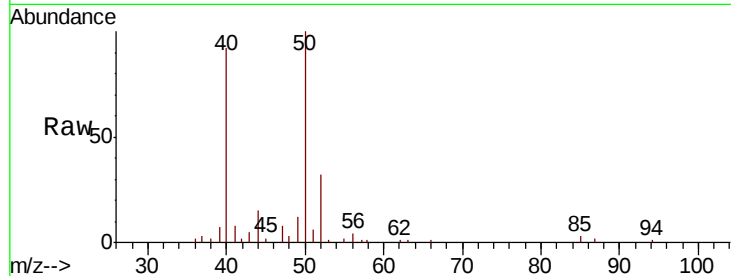
VF0316SBS01

Tgt Ion: 50 Resp: 57389

Ion Ratio Lower Upper

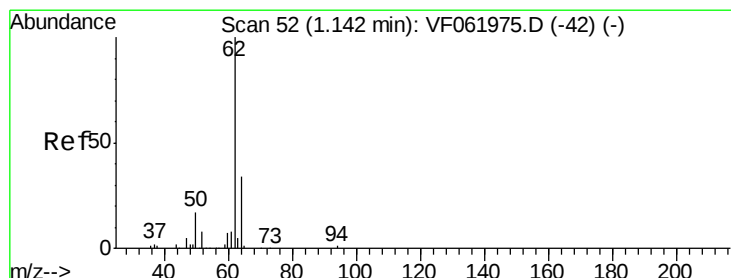
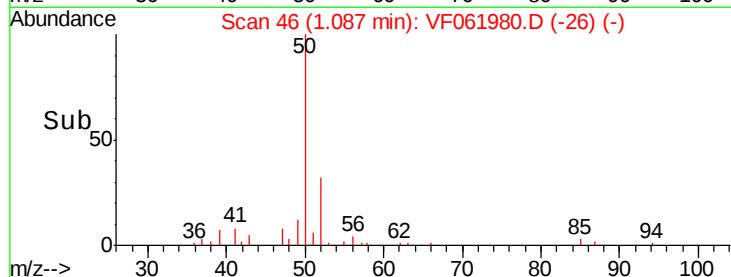
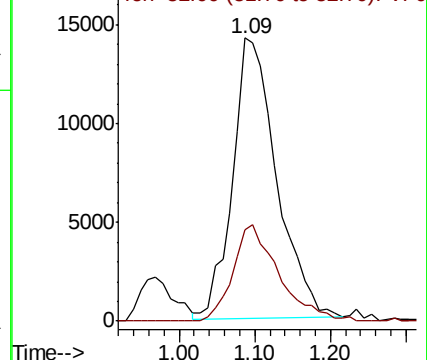
50 100

52 32.2 22.6 34.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.750 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061980.D

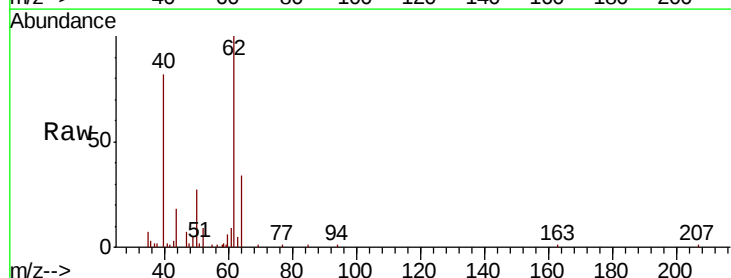
Acq: 16 Mar 2019 17:30

Tgt Ion: 62 Resp: 59577

Ion Ratio Lower Upper

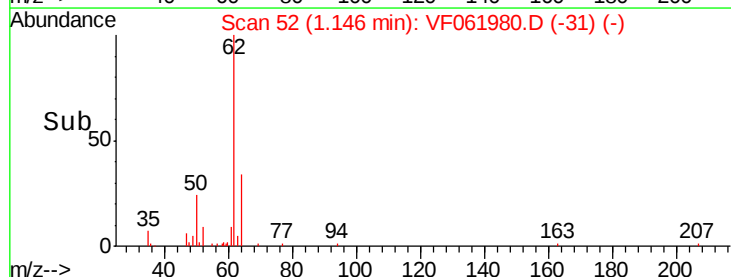
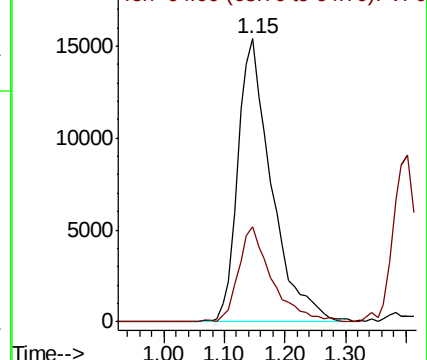
62 100

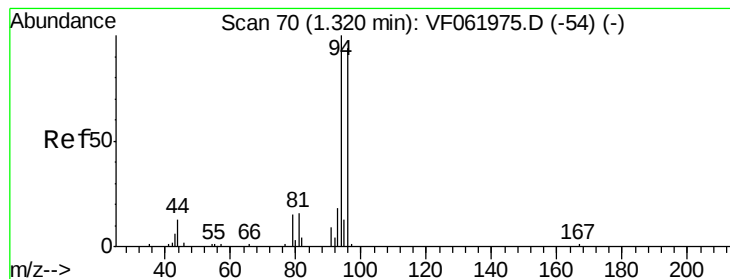
64 33.8 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.775 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061980.D

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ClientSampleId :

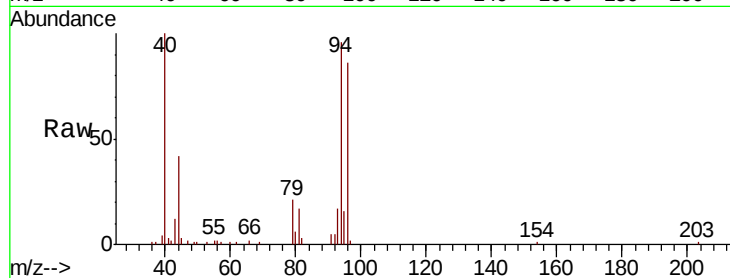
VF0316SBS01

Tgt Ion: 94 Resp: 36379

Ion Ratio Lower Upper

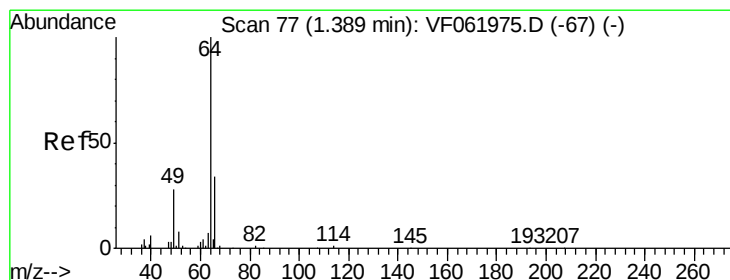
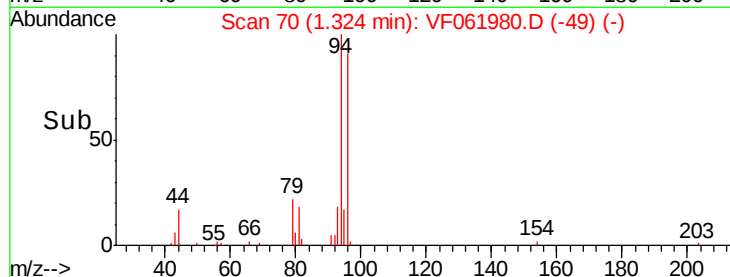
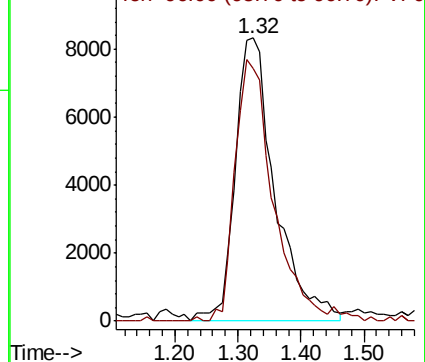
94 100

96 89.3 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.835 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061980.D

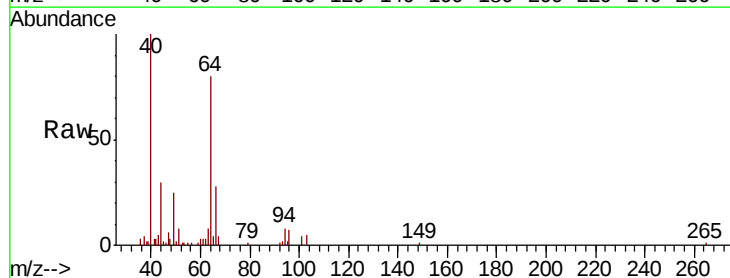
Acq: 16 Mar 2019 17:30

Tgt Ion: 64 Resp: 28166

Ion Ratio Lower Upper

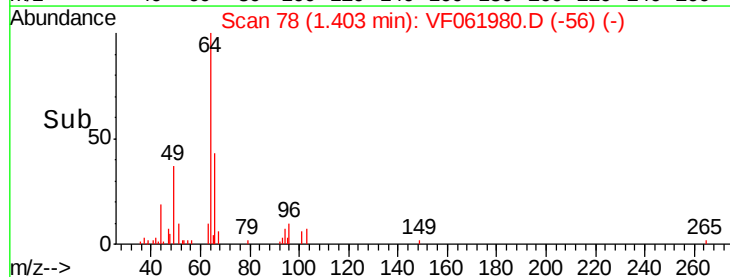
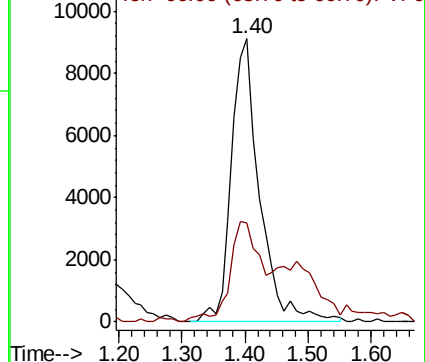
64 100

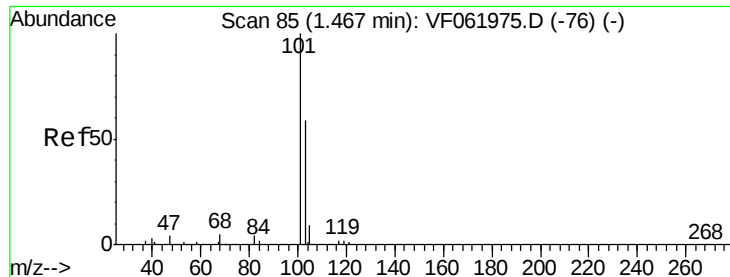
66 35.2 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 21.460 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

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ClientSampleId :

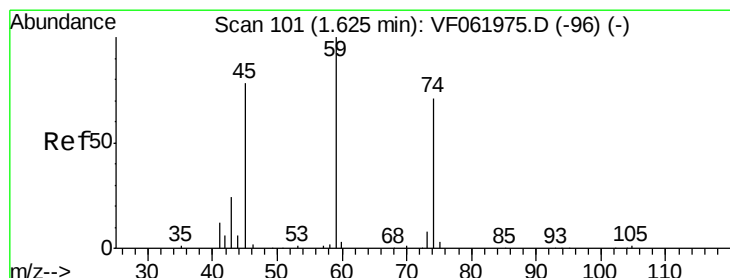
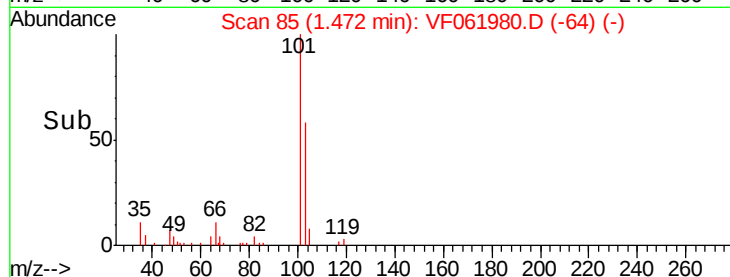
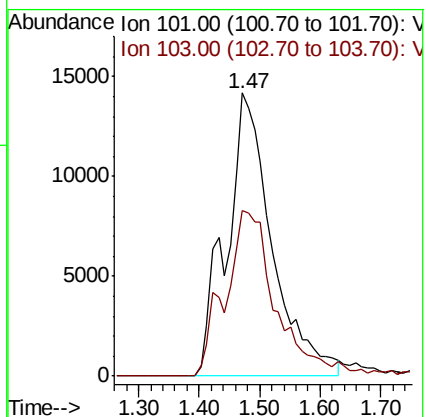
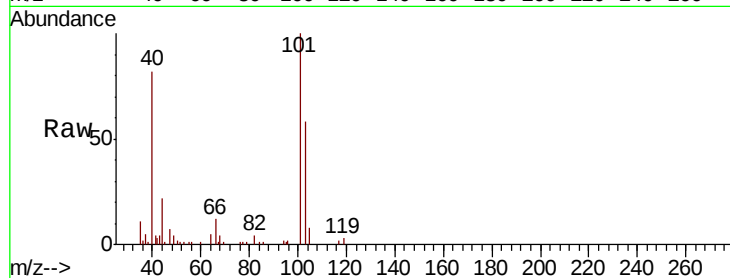
VF0316SBS01

Tgt Ion:101 Resp: 74453

Ion Ratio Lower Upper

101 100

103 58.5 47.3 70.9



#8

Diethyl Ether

Concen: 21.334 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061980.D

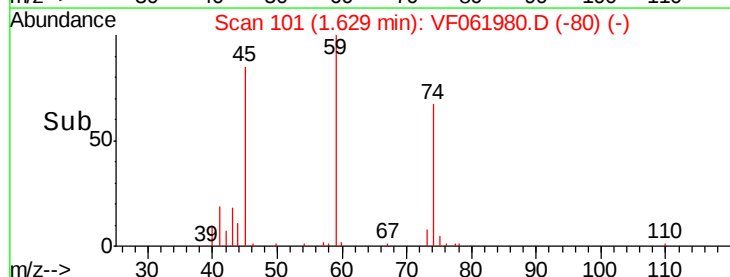
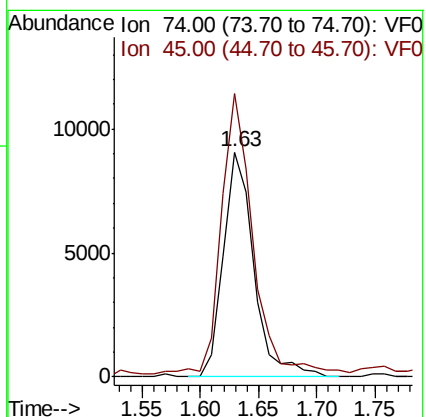
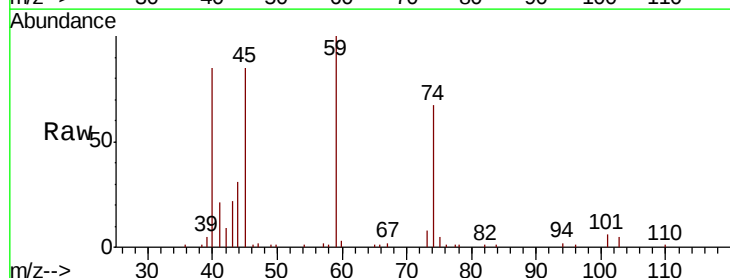
Acq: 16 Mar 2019 17:30

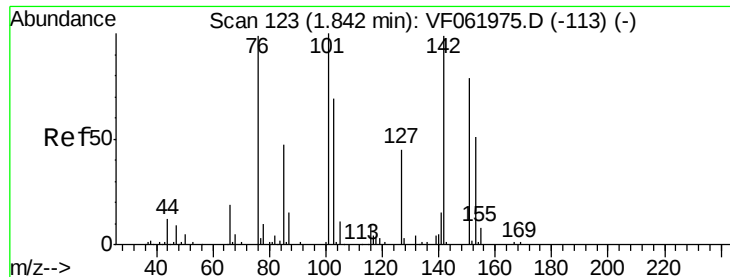
Tgt Ion: 74 Resp: 16454

Ion Ratio Lower Upper

74 100

45 126.0 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.018 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

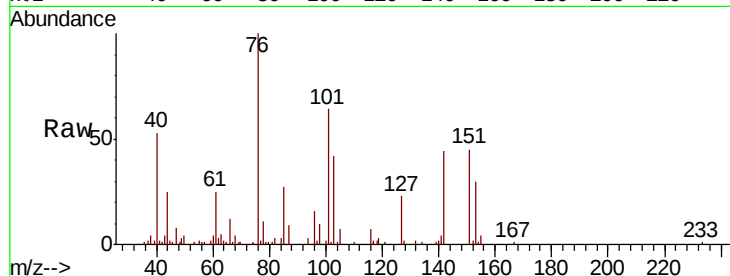
Tgt Ion:101 Resp: 56263

Ion Ratio Lower Upper

101 100

85 42.2 36.8 55.2

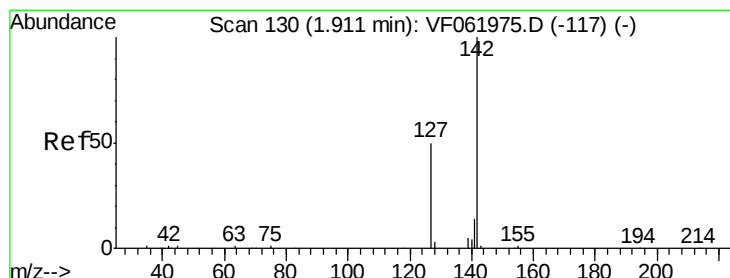
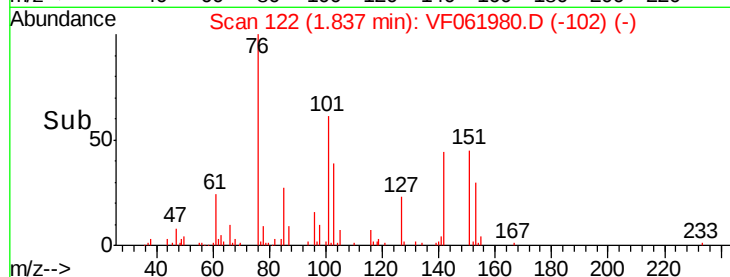
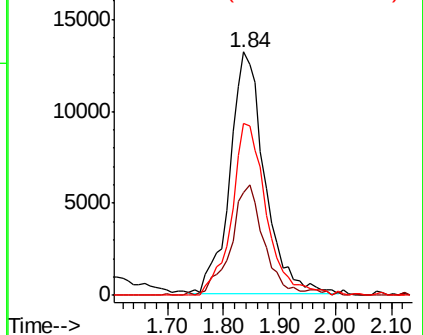
151 70.4 62.2 93.2



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: 16.013 ug/l

RT: 1.91 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

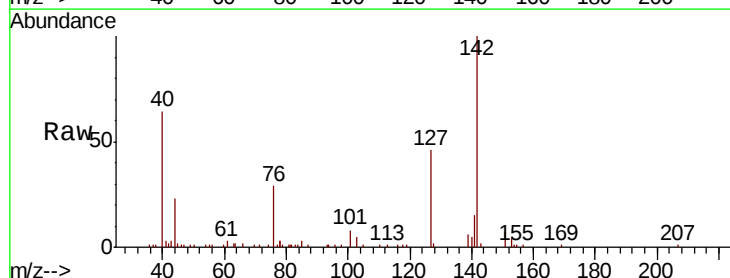
Tgt Ion:142 Resp: 68506

Ion Ratio Lower Upper

142 100

127 46.5 39.7 59.5

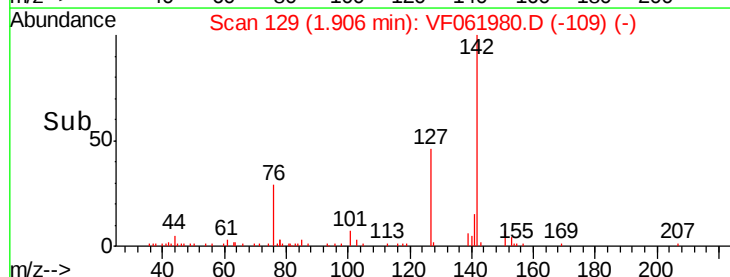
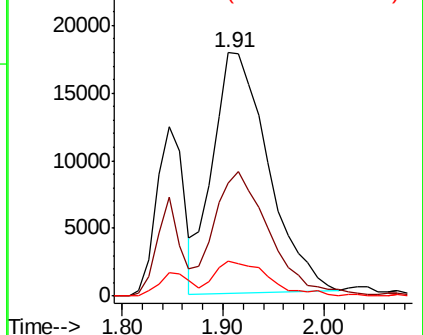
141 14.5 10.8 16.2

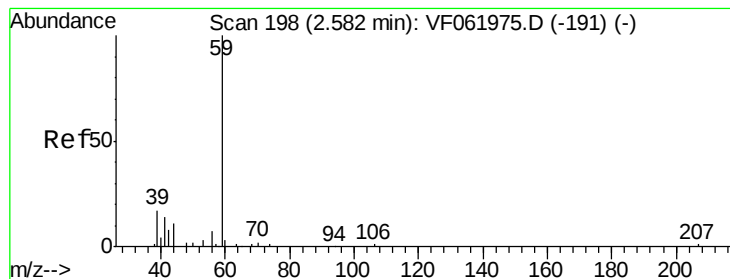


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



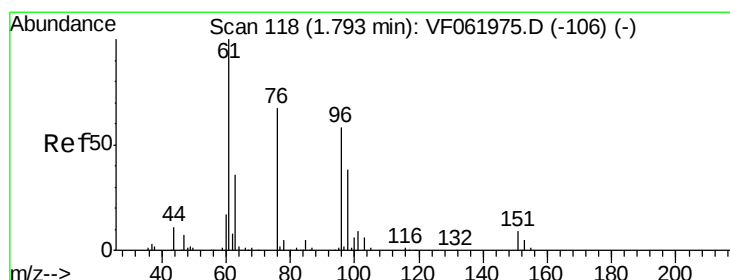
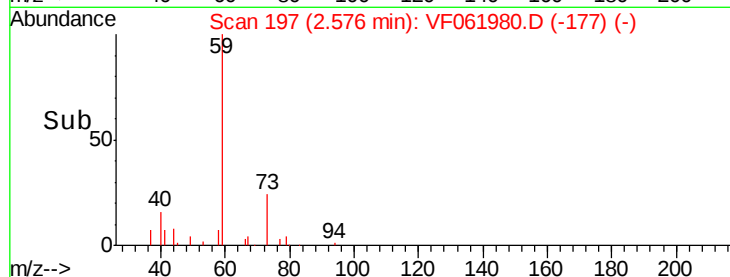
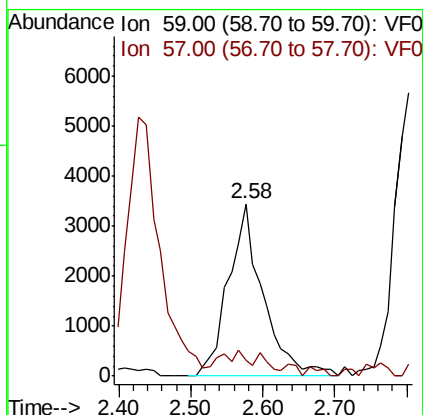
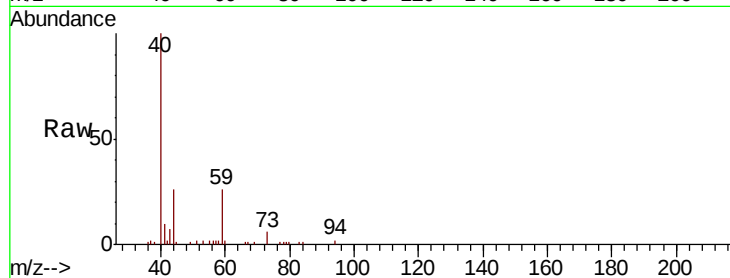


#11

Tert butyl alcohol
Concen: 104.567 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

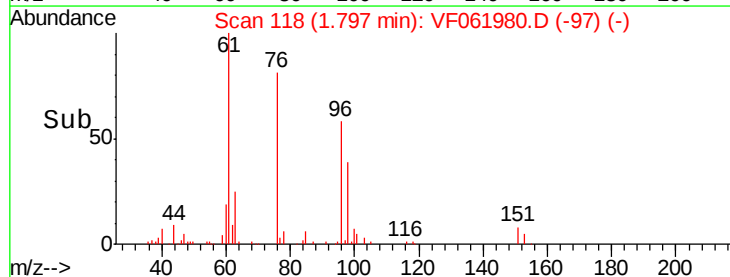
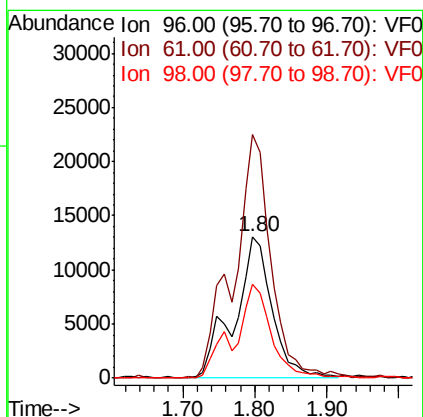
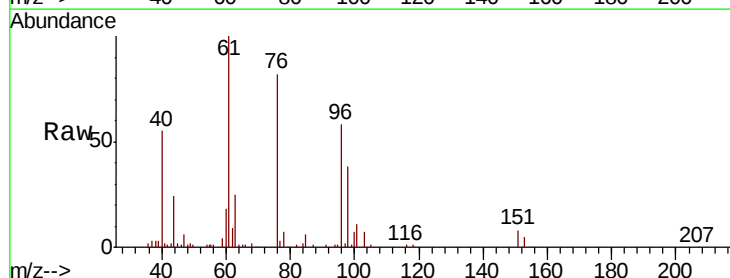
Tgt Ion: 59 Resp: 11512
Ion Ratio Lower Upper
59 100
57 9.6 8.7 13.1

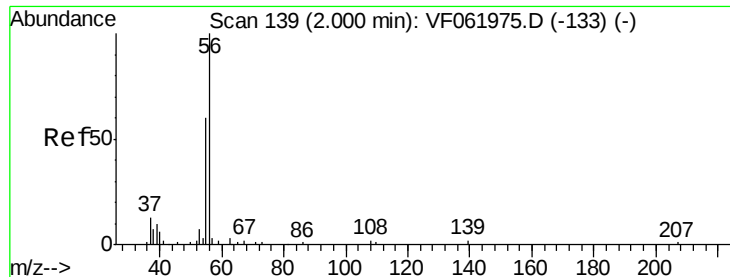


#12

1,1-Dichloroethene
Concen: 22.626 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 96 Resp: 47730
Ion Ratio Lower Upper
96 100
61 172.2 138.6 208.0
98 66.1 53.2 79.8





#13

Acrolein

Concen: 105.631 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

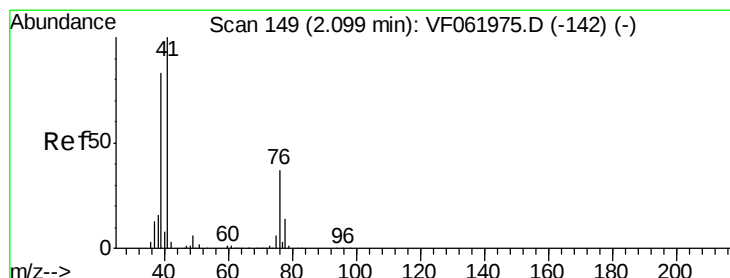
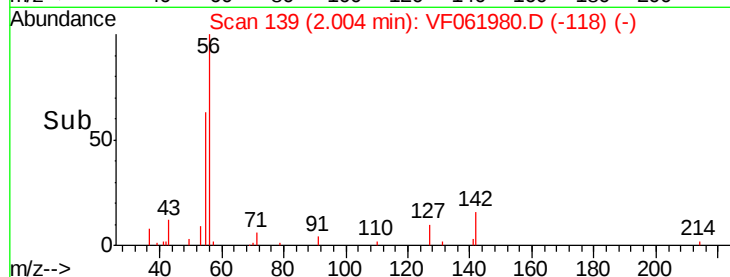
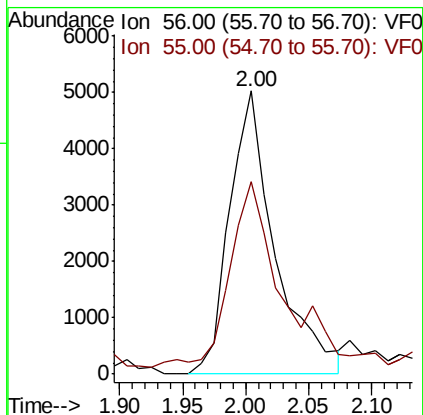
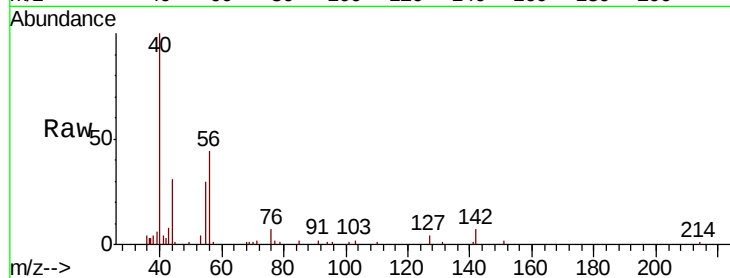
VF0316SBS01

Tgt Ion: 56 Resp: 12554

Ion Ratio Lower Upper

56 100

55 67.9 49.1 73.7



#14

Allyl chloride

Concen: 22.135 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

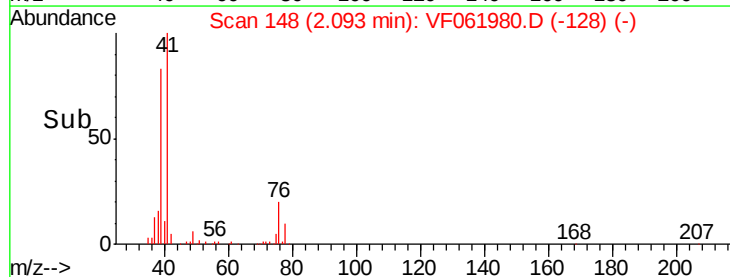
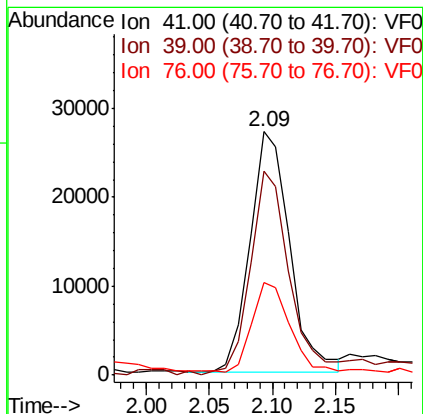
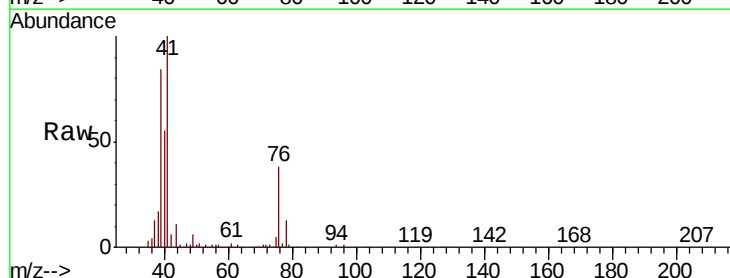
Tgt Ion: 41 Resp: 59603

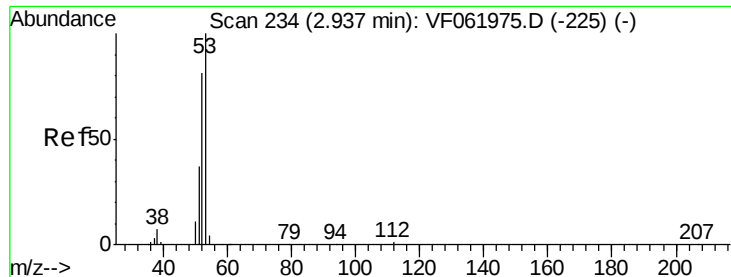
Ion Ratio Lower Upper

41 100

39 83.8 66.8 100.2

76 37.9 31.1 46.7





#15

Acrylonitrile

Concen: 98.246 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

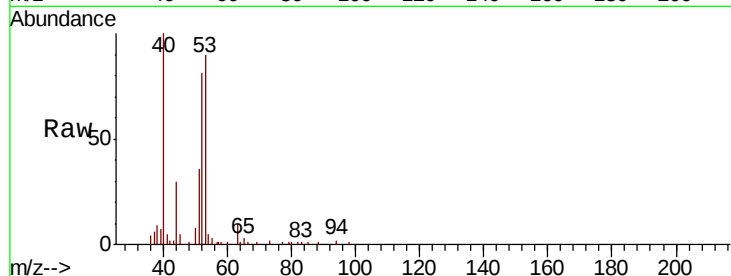
Tgt Ion: 53 Resp: 32891

Ion Ratio Lower Upper

53 100

52 90.6 64.4 96.6

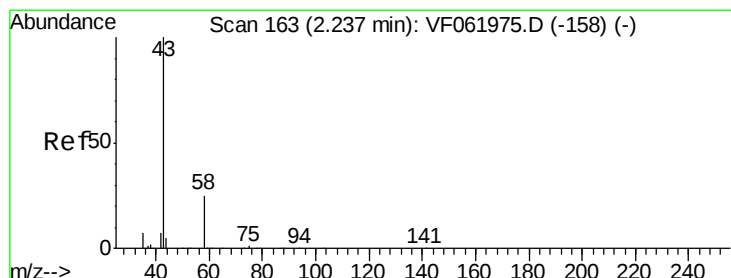
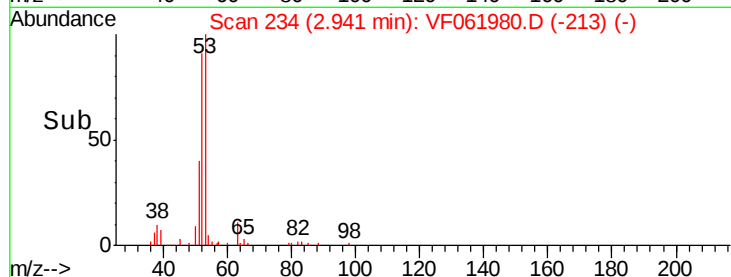
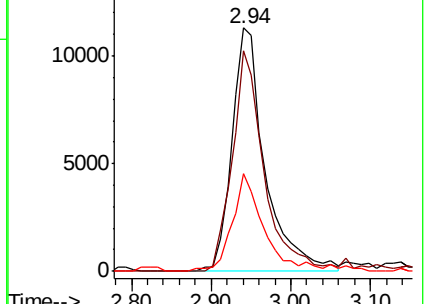
51 40.1 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 114.701 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061980.D

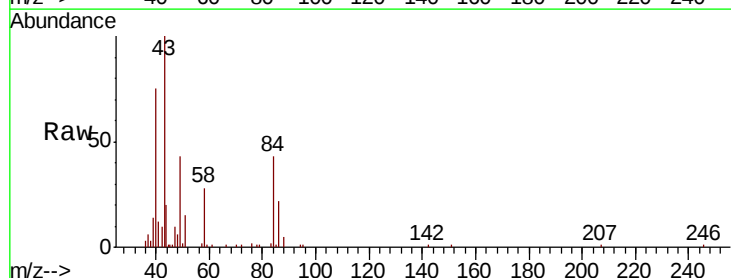
Acq: 16 Mar 2019 17:30

Tgt Ion: 43 Resp: 46340

Ion Ratio Lower Upper

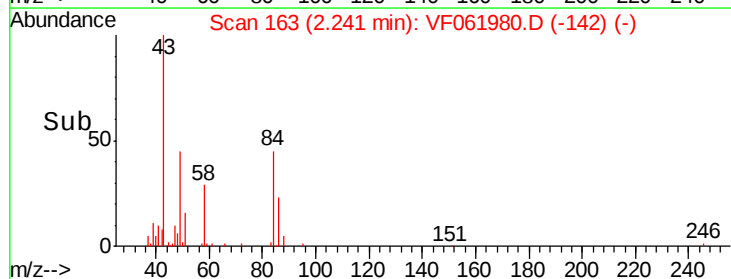
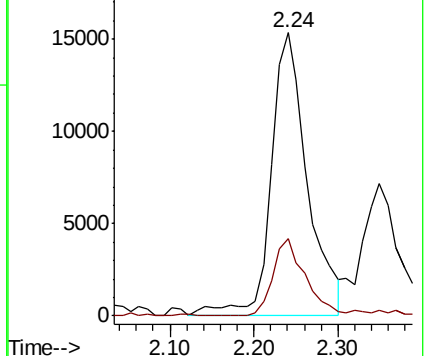
43 100

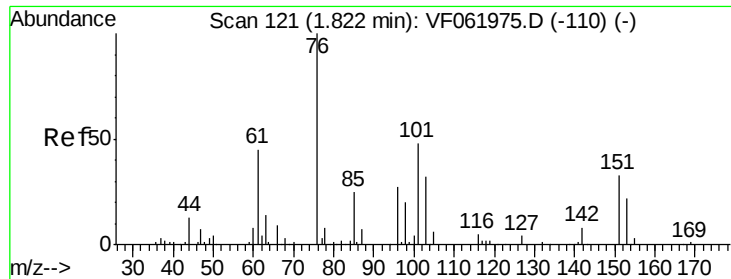
58 27.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

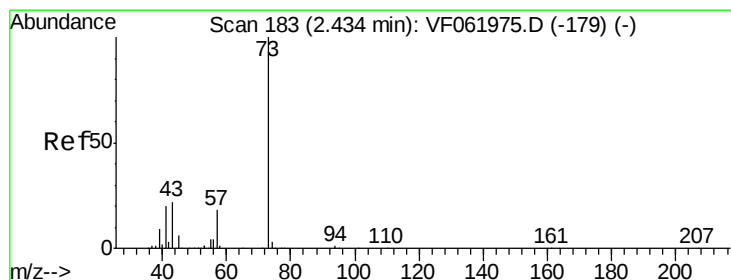
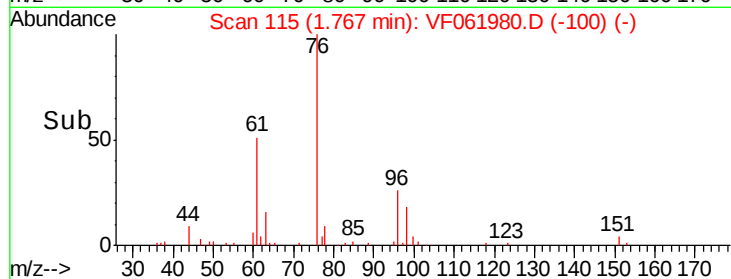
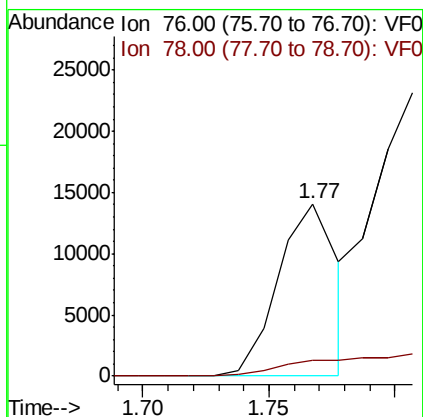
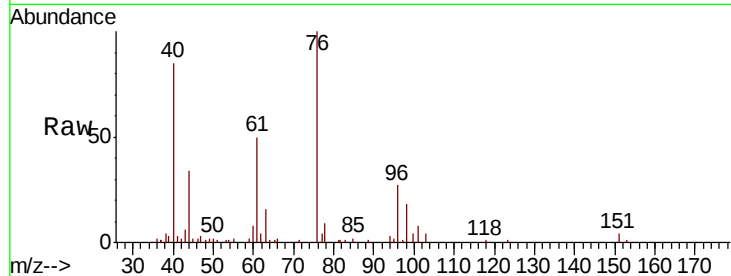




#17
Carbon Disulfide
Concen: 3.780 ug/l
RT: 1.77 min Scan# 115
Delta R.T. -0.05 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

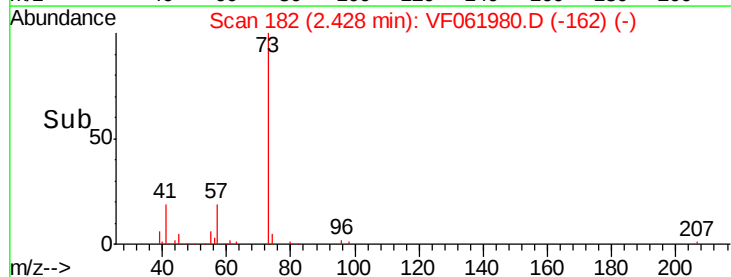
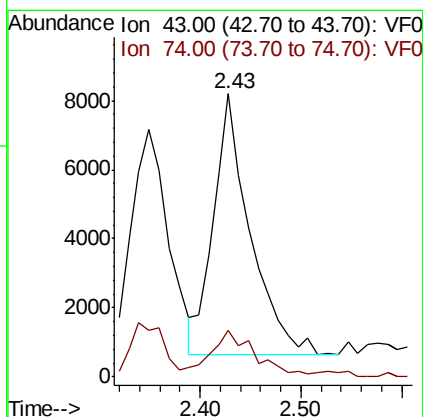
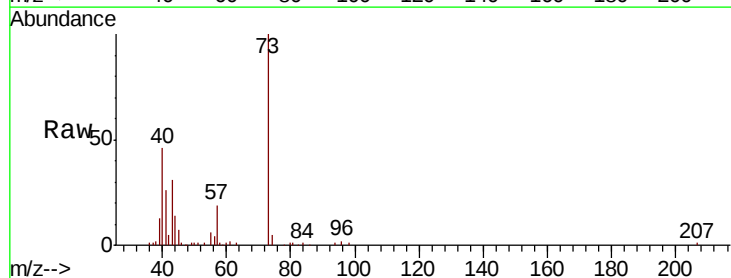
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

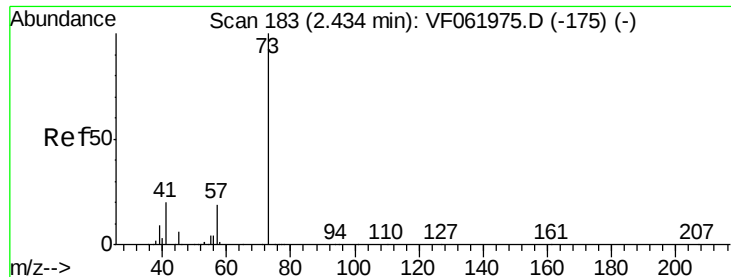
Tgt Ion: 76 Resp: 23064
Ion Ratio Lower Upper
76 100
78 9.5 6.8 10.2



#18
Methyl Acetate
Concen: 22.977 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 43 Resp: 18991
Ion Ratio Lower Upper
43 100
74 16.4 12.6 18.8





#19

Methyl tert-butyl Ether

Concen: 20.599 ug/l

RT: 2.43 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

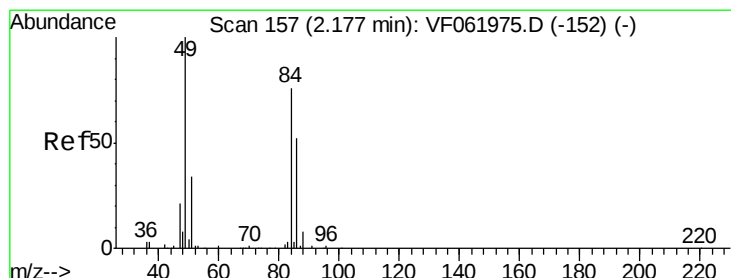
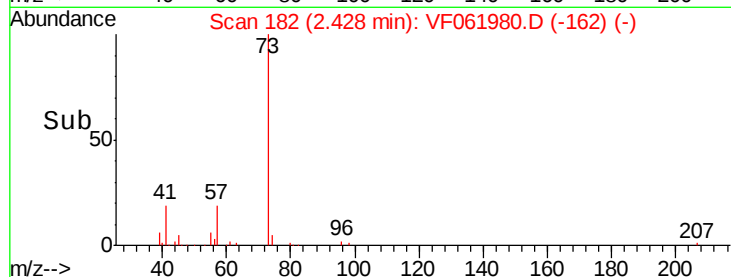
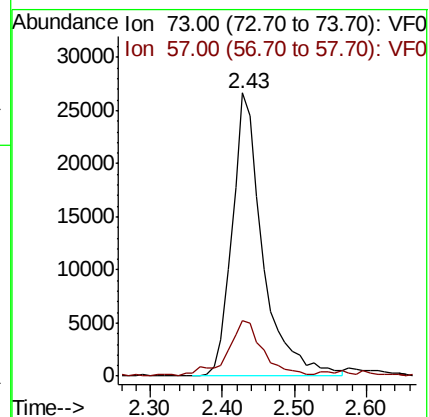
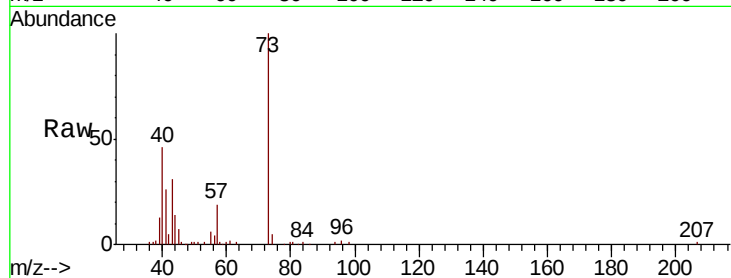
VF0316SBS01

Tgt Ion: 73 Resp: 78736

Ion Ratio Lower Upper

73 100

57 19.5 15.3 22.9



#20

Methylene Chloride

Concen: 11.811 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.07 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion: 84 Resp: 24567

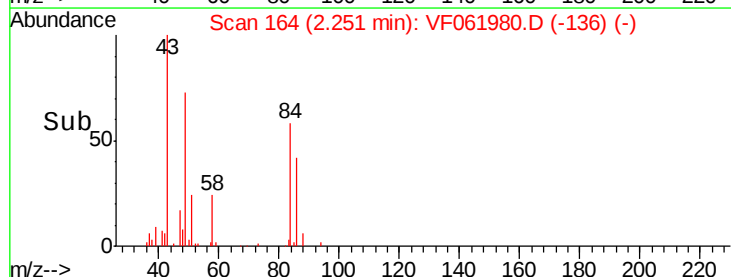
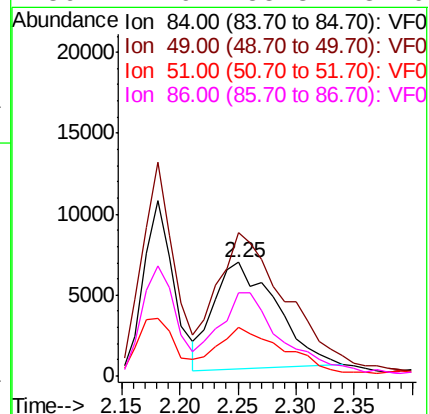
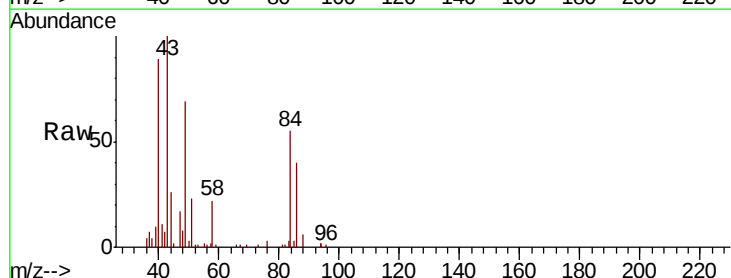
Ion Ratio Lower Upper

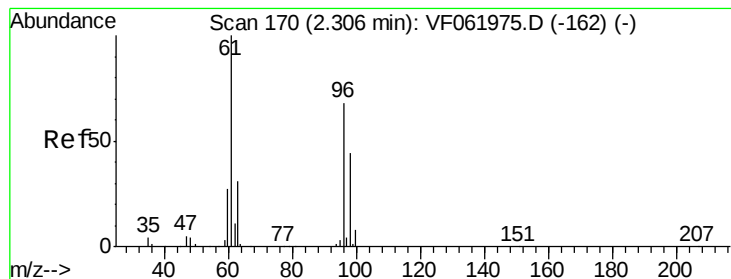
84 100

49 126.3 107.0 160.6

51 42.4 37.2 55.8

86 72.9 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 22.884 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

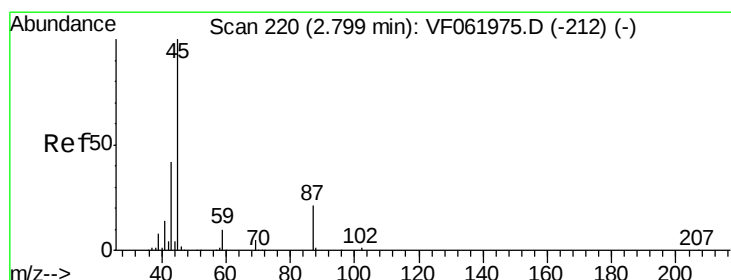
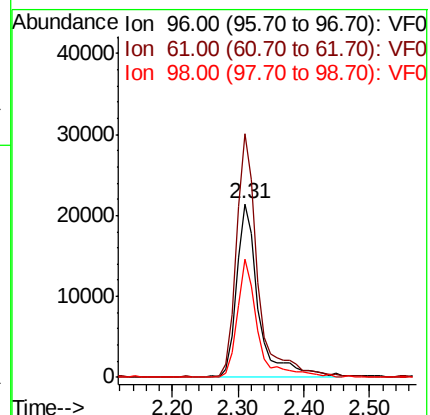
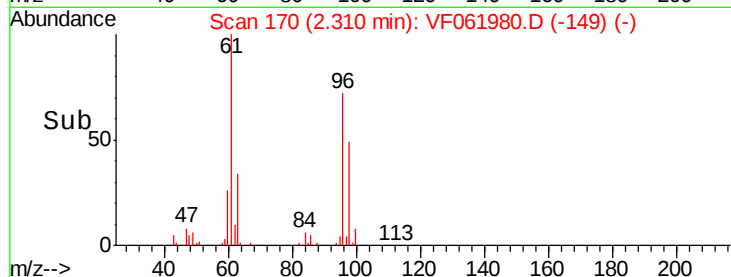
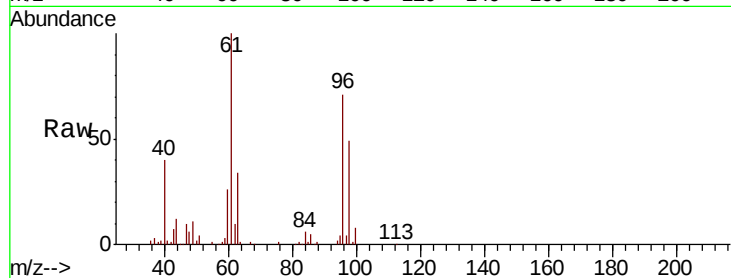
Tgt Ion: 96 Resp: 50376

Ion Ratio Lower Upper

96 100

61 140.4 117.4 176.2

98 68.1 51.2 76.8



#22

Diisopropyl ether

Concen: 22.054 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion: 45 Resp: 142845

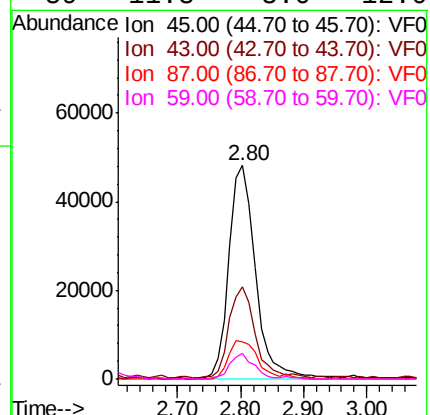
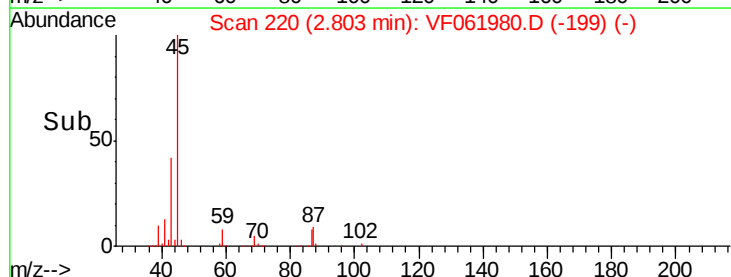
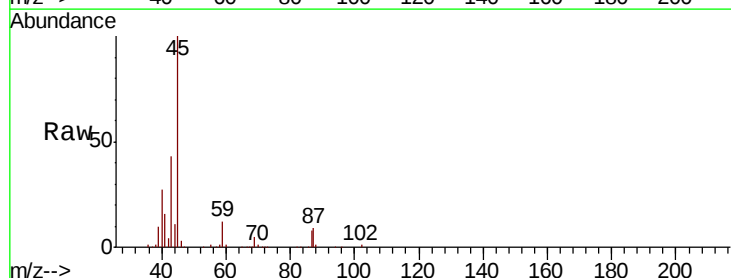
Ion Ratio Lower Upper

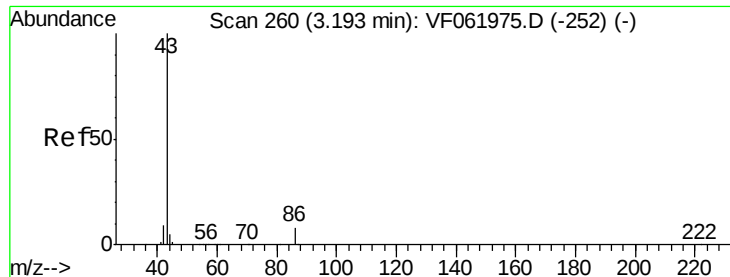
45 100

43 43.2 33.7 50.5

87 17.3 17.1 25.7

59 11.8 8.0 12.0





#23

Vinyl Acetate

Concen: 113.759 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

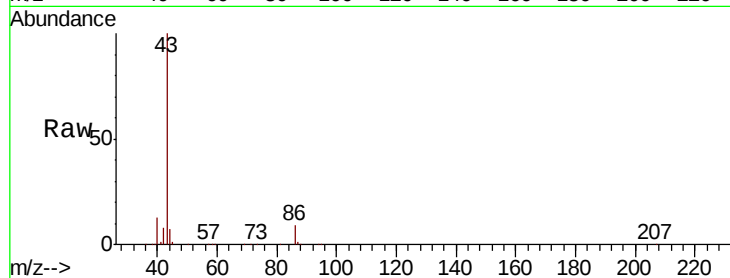
VF0316SBS01

Tgt Ion: 43 Resp: 290458

Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

120000

100000

80000

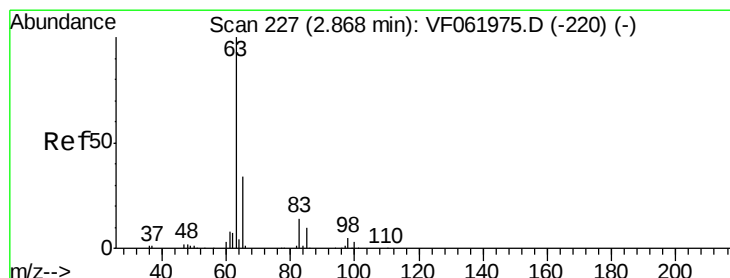
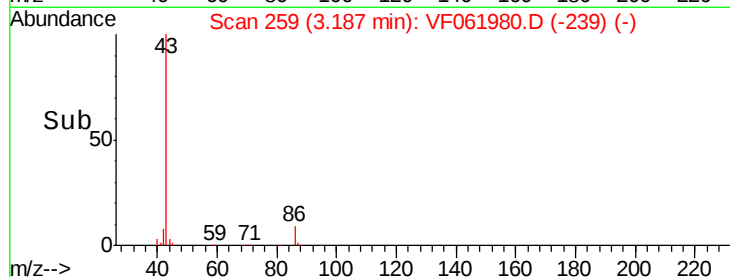
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 21.436 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

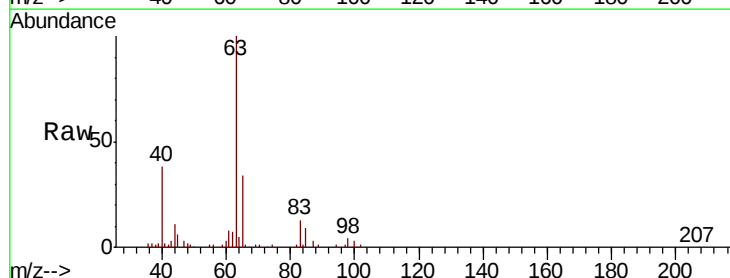
Tgt Ion: 63 Resp: 80728

Ion Ratio Lower Upper

63 100

98 4.4 2.7 8.1

100 3.1 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

2.87

40000

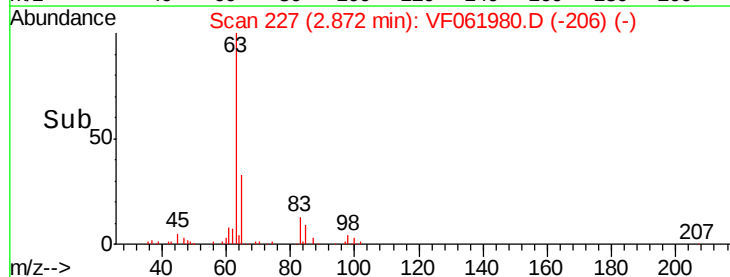
30000

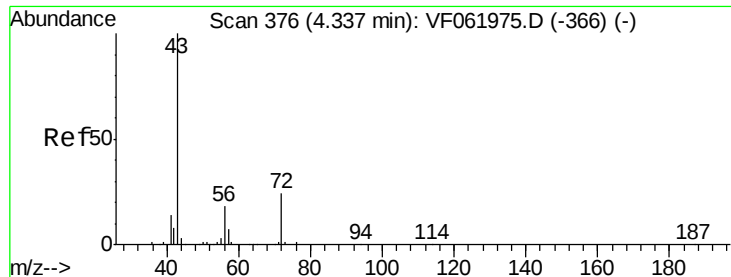
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 99.367 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

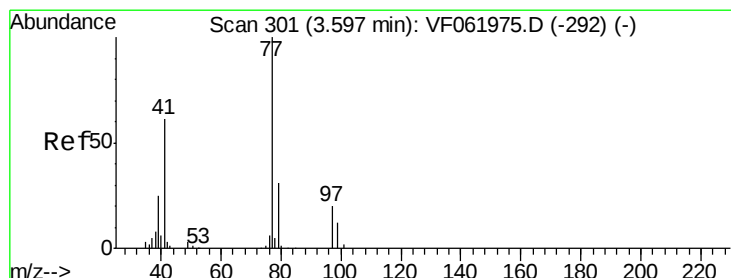
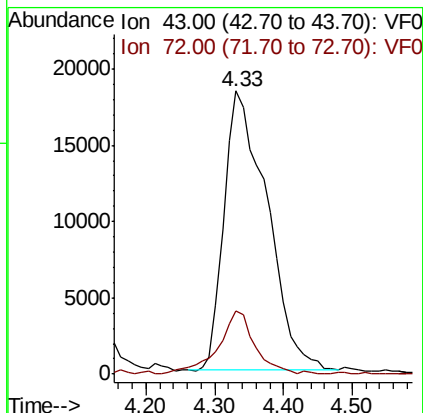
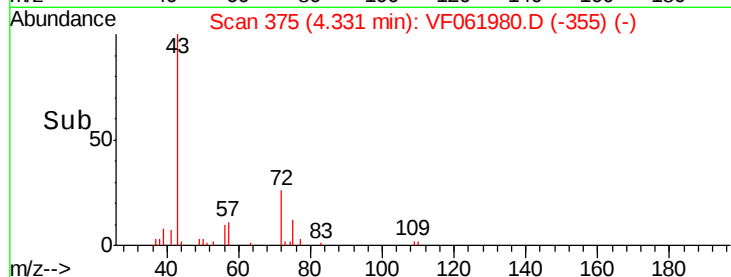
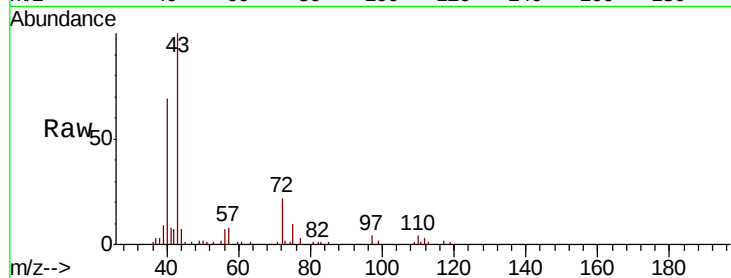
VF0316SBS01

Tgt Ion: 43 Resp: 79506

Ion Ratio Lower Upper

43 100

72 22.4 19.8 29.6



#26

2,2-Dichloropropane

Concen: 20.737 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF061980.D

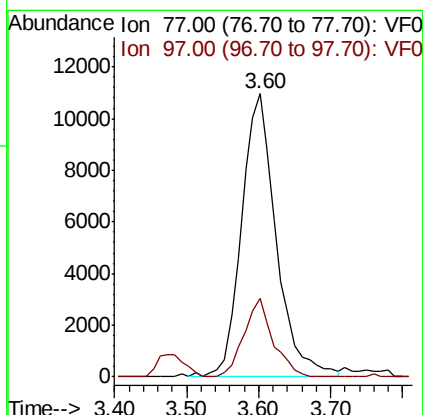
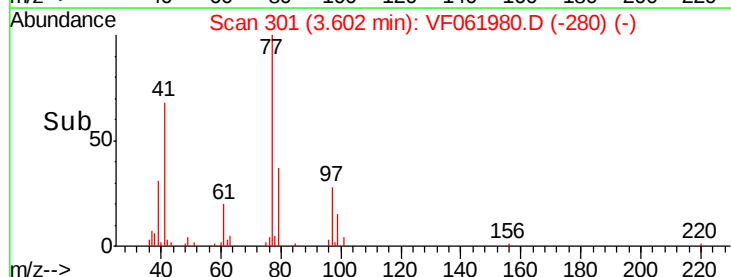
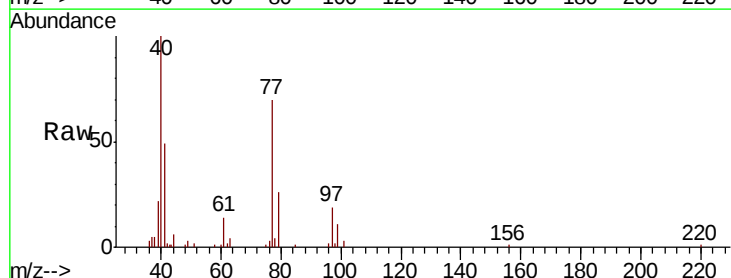
Acq: 16 Mar 2019 17:30

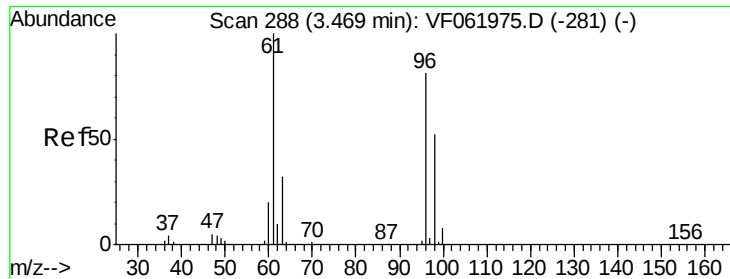
Tgt Ion: 77 Resp: 36837

Ion Ratio Lower Upper

77 100

97 27.8 10.8 32.4



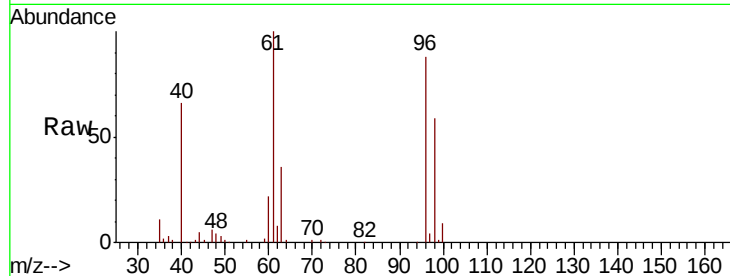


#27

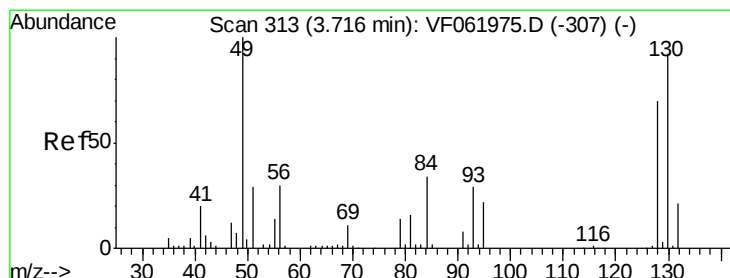
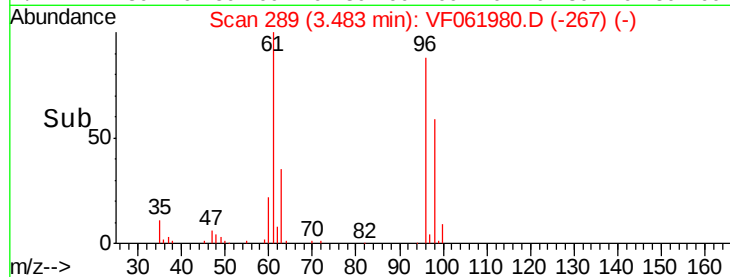
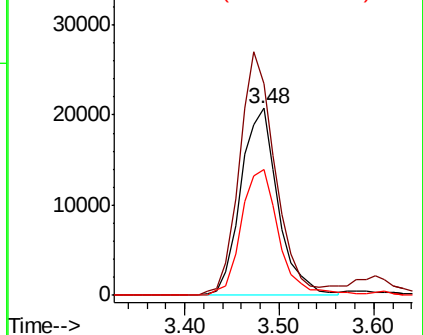
cis-1,2-Dichloroethene
Concen: 20.433 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tgt Ion: 96 Resp: 56694
Ion Ratio Lower Upper
96 100
61 113.3 0.0 246.6
98 67.1 0.0 129.2



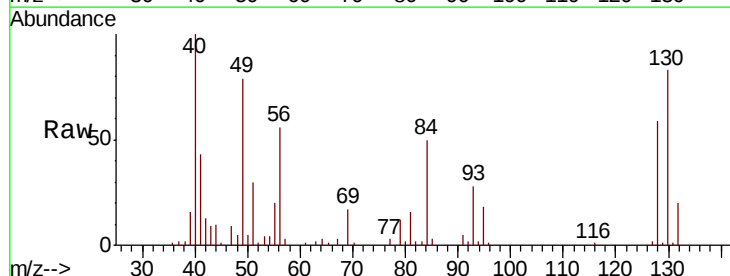
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



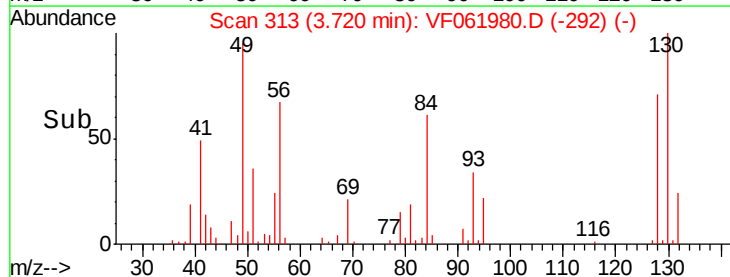
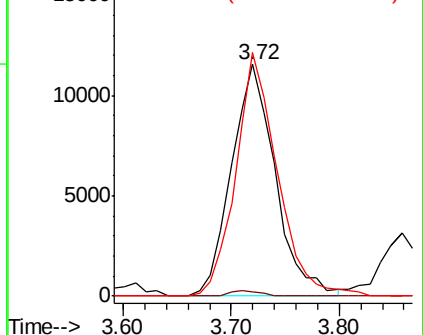
#28

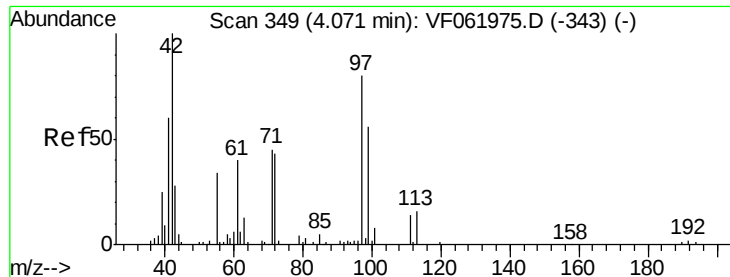
Bromochloromethane
Concen: 20.870 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 49 Resp: 32614
Ion Ratio Lower Upper
49 100
129 1.7 0.0 5.8
130 105.2 73.1 109.7



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

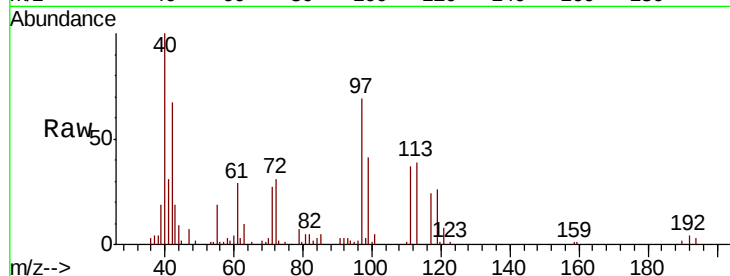




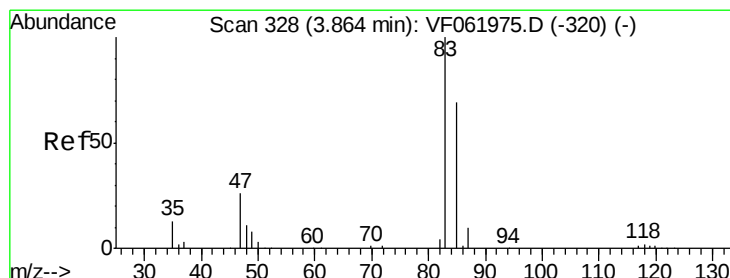
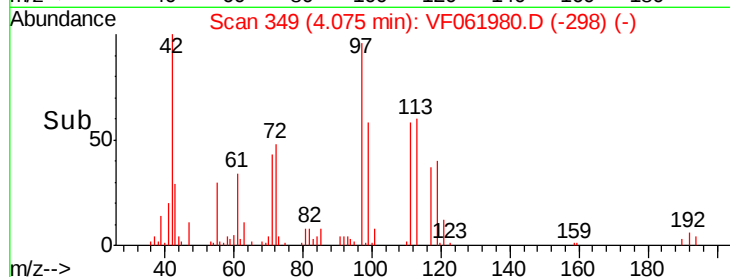
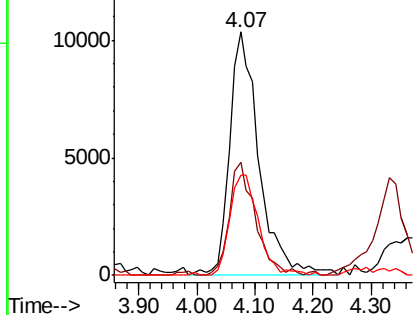
#29
Tetrahydrofuran
Concen: 104.719 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tgt Ion: 42 Resp: 36439
Ion Ratio Lower Upper
42 100
72 41.2 34.0 51.0
71 40.5 34.2 51.4

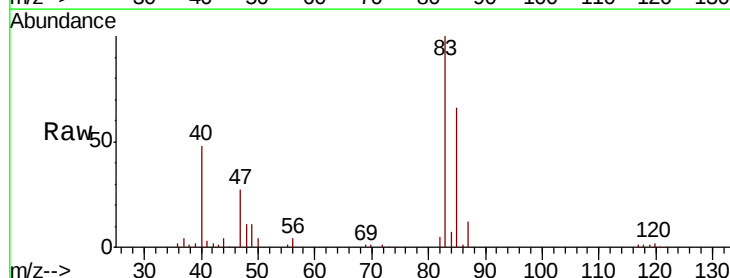


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

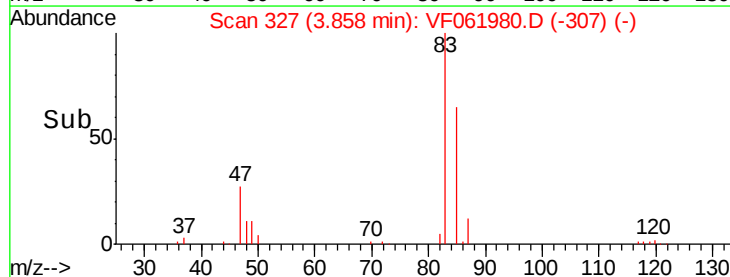
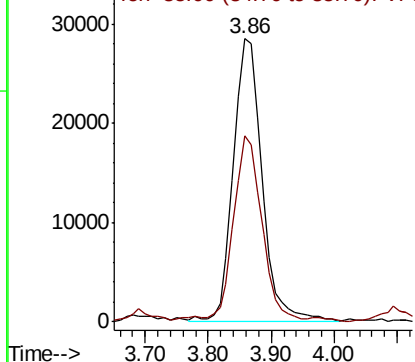


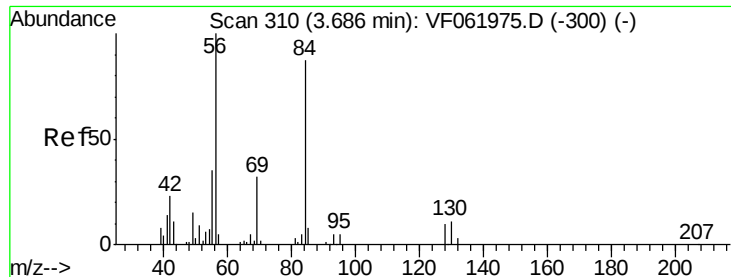
#30
Chloroform
Concen: 21.283 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 83 Resp: 90818
Ion Ratio Lower Upper
83 100
85 65.6 55.5 83.3



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

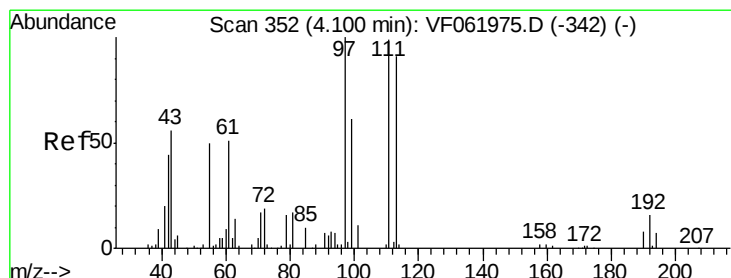
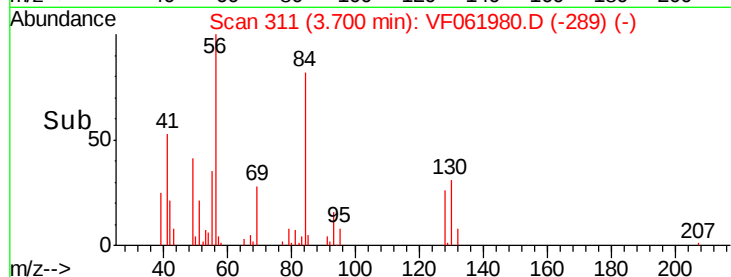
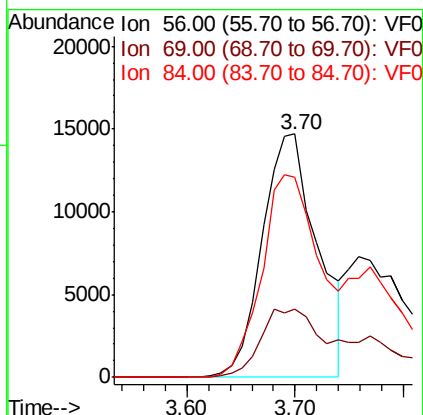
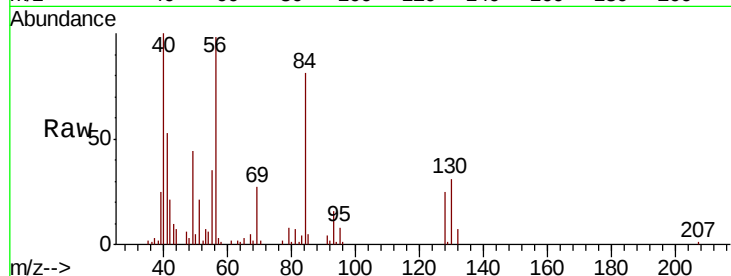




#31
Cyclohexane
Concen: 14.266 ug/l
RT: 3.70 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

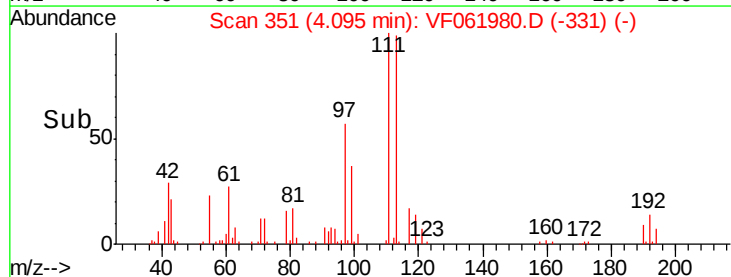
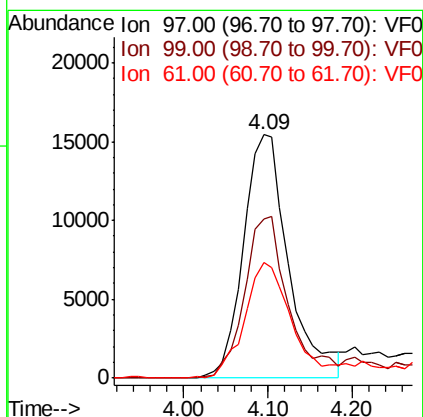
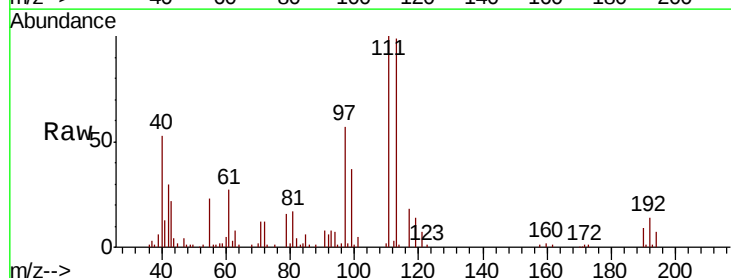
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

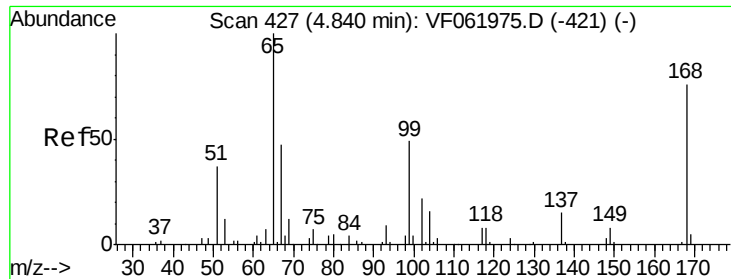
Tgt Ion: 56 Resp: 52640
Ion Ratio Lower Upper
56 100
69 28.1 25.8 38.8
84 82.3 69.5 104.3



#32
1,1,1-Trichloroethane
Concen: 20.498 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 97 Resp: 58089
Ion Ratio Lower Upper
97 100
99 65.4 49.0 73.4
61 47.6 41.4 62.0

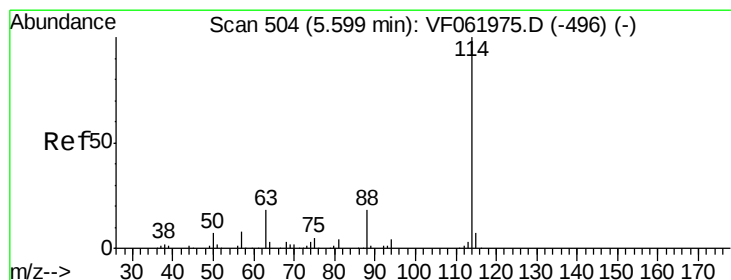
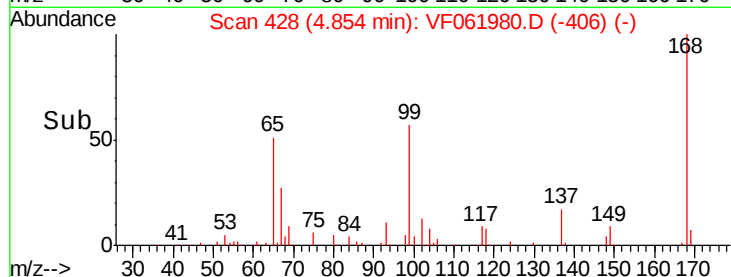
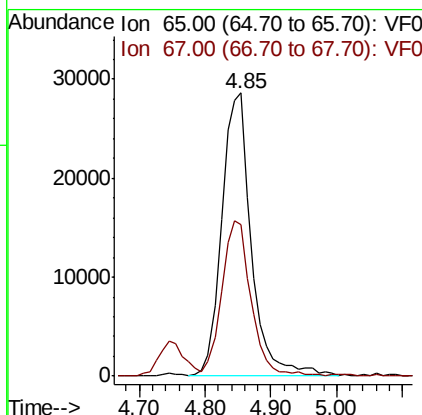
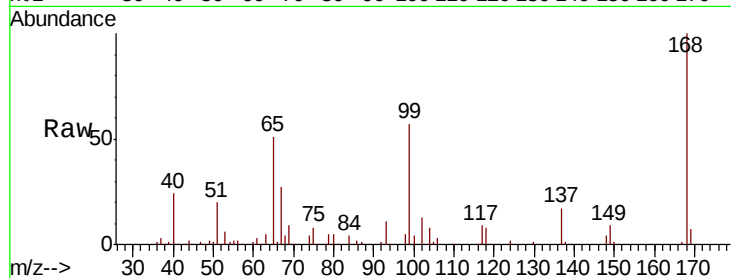




#33
 1,2-Dichloroethane-d4
 Concen: 50.003 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

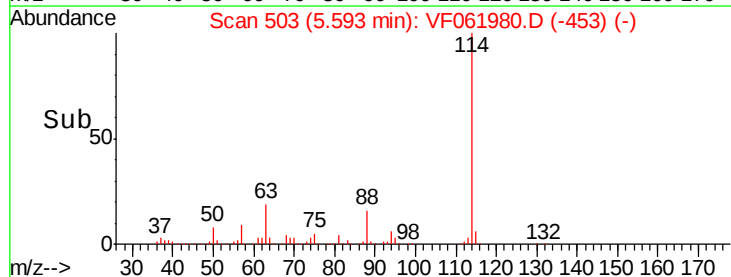
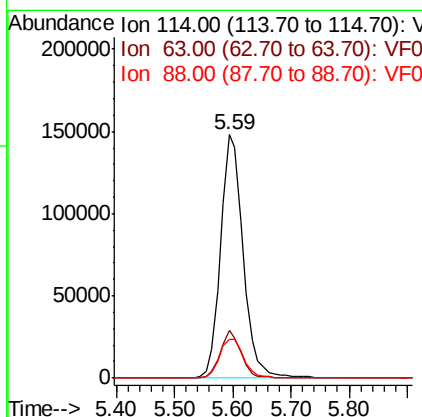
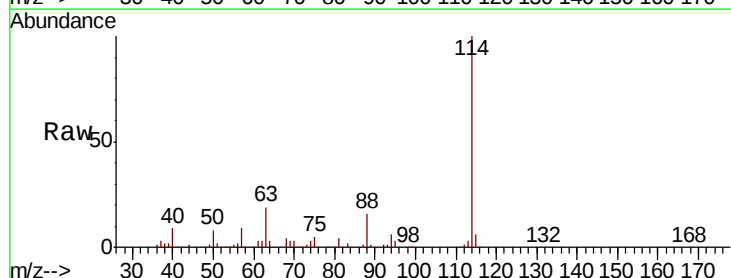
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

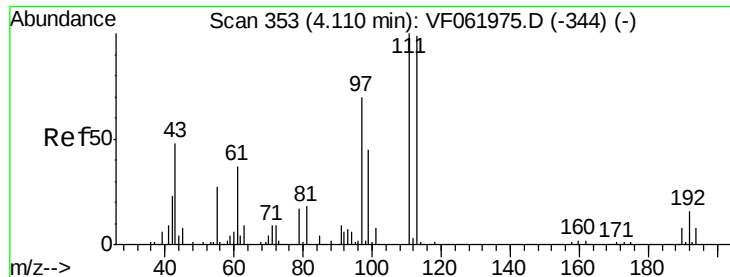
Tgt Ion: 65 Resp: 89963
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion: 114 Resp: 397405
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.4
 88 15.8 0.0 36.4

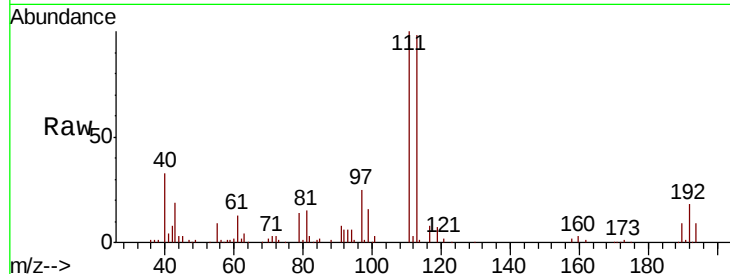




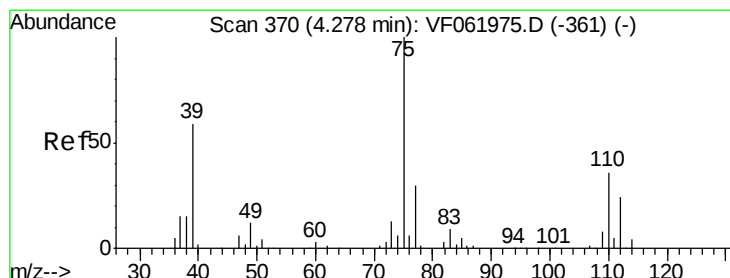
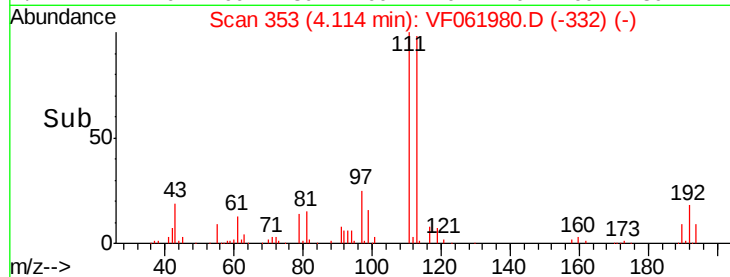
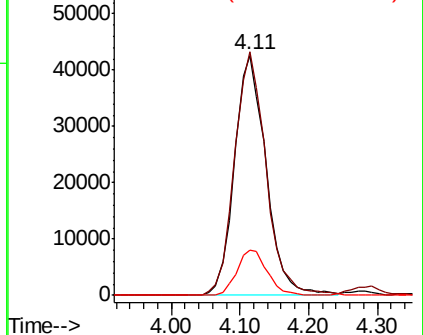
#35
 Dibromofluoromethane
 Concen: 50.832 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tgt Ion: 113 Resp: 135652
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.8 121.2
 192 18.6 13.0 19.6

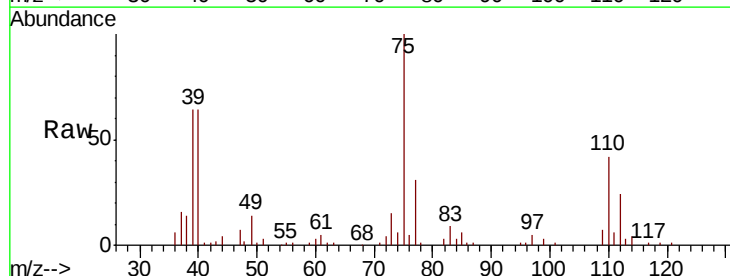


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

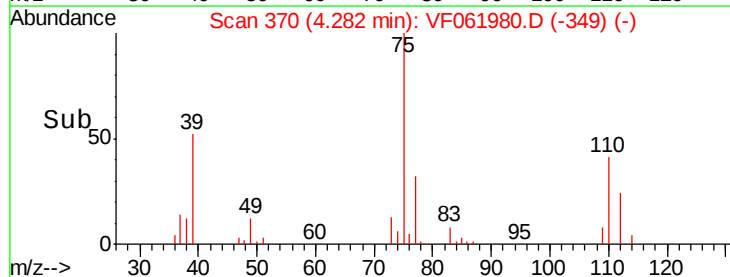
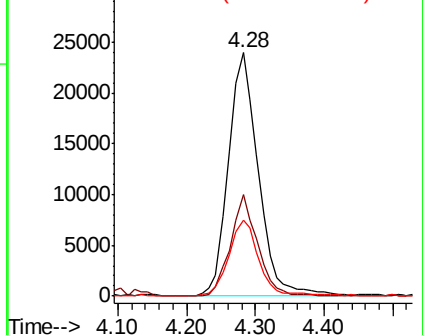


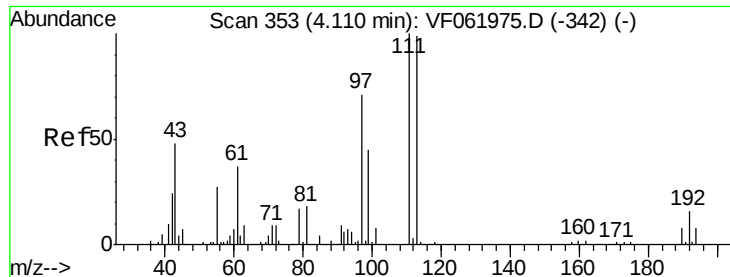
#36
 1,1-Dichloropropene
 Concen: 20.116 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion: 75 Resp: 72190
 Ion Ratio Lower Upper
 75 100
 110 41.5 17.8 53.3
 77 31.4 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

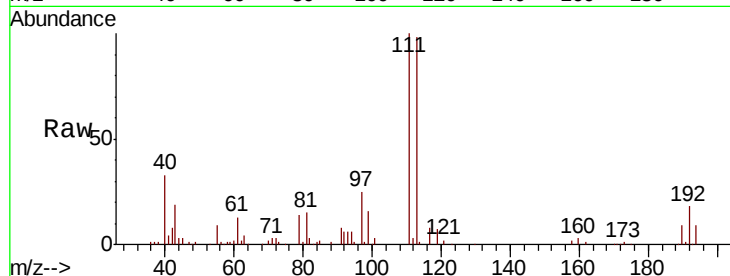




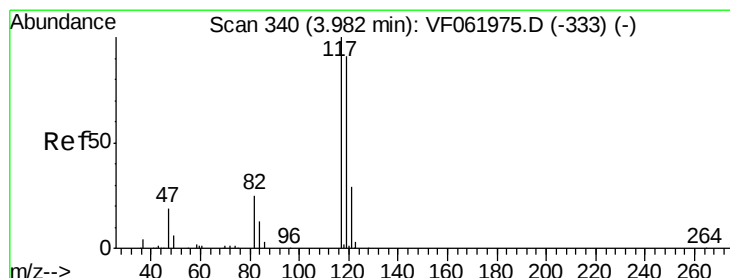
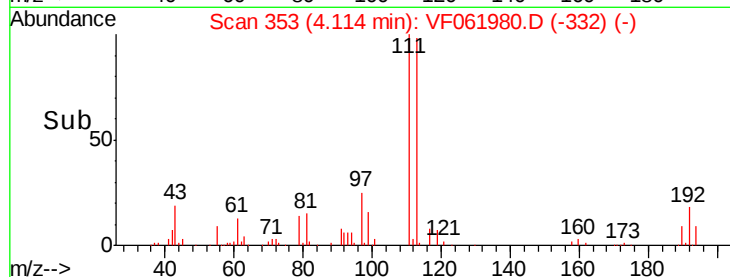
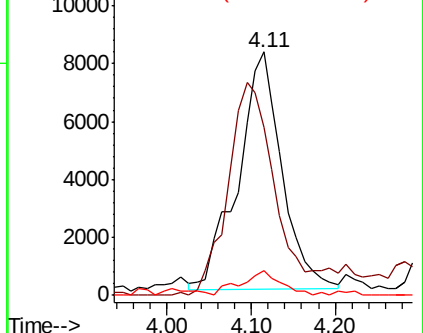
#37
Ethyl Acetate
Concen: 18.628 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tgt Ion: 43 Resp: 30017
Ion Ratio Lower Upper
43 100
61 69.0 59.8 89.6
70 10.1 7.8 11.8

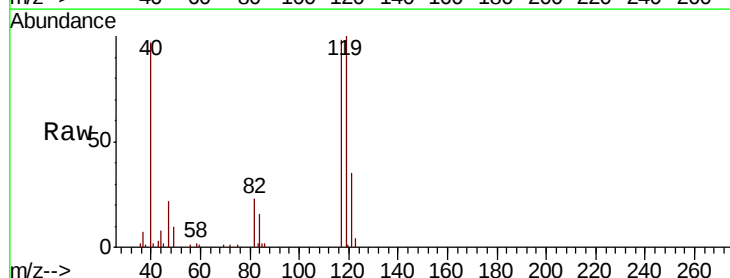


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

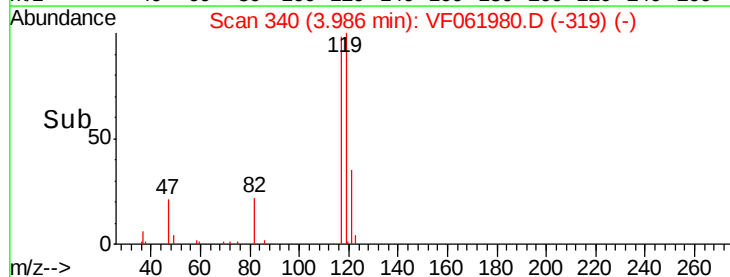
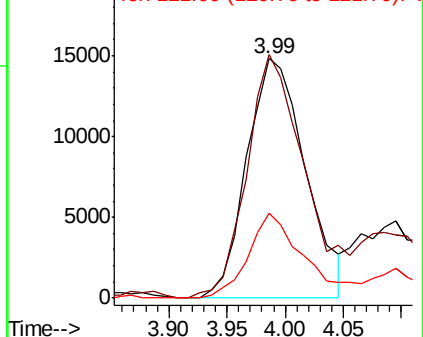


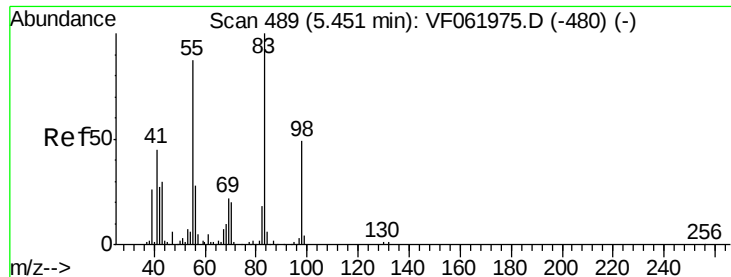
#38
Carbon Tetrachloride
Concen: 19.713 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 117 Resp: 51703
Ion Ratio Lower Upper
117 100
119 101.7 73.0 109.4
121 35.4 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

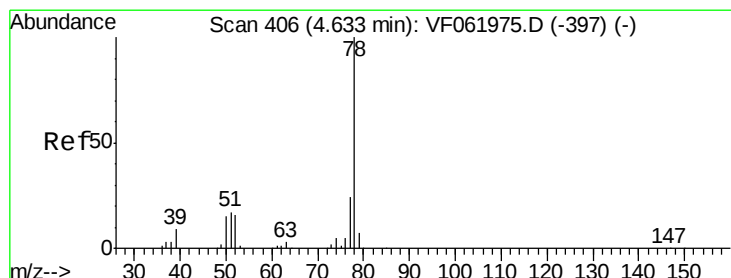
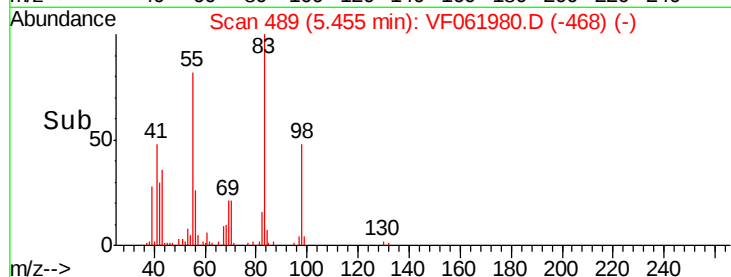
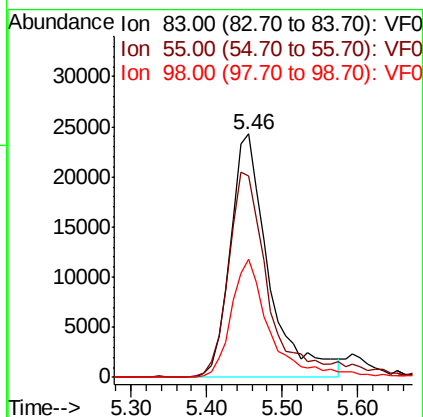
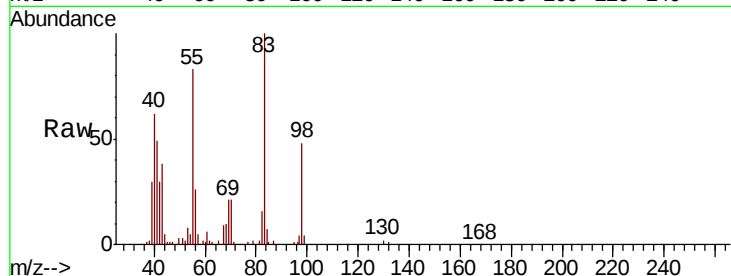




#39
Methylcyclohexane
Concen: 20.204 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

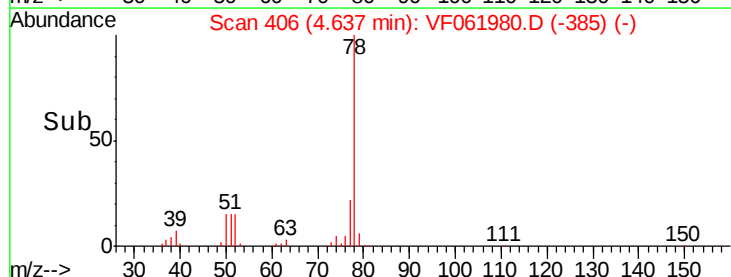
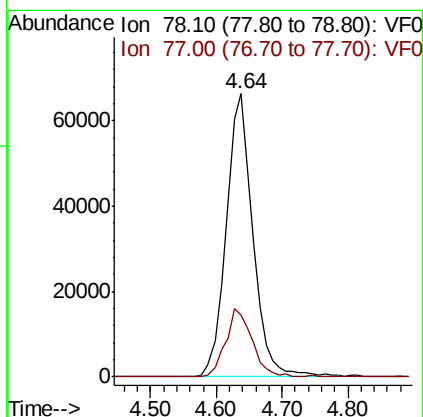
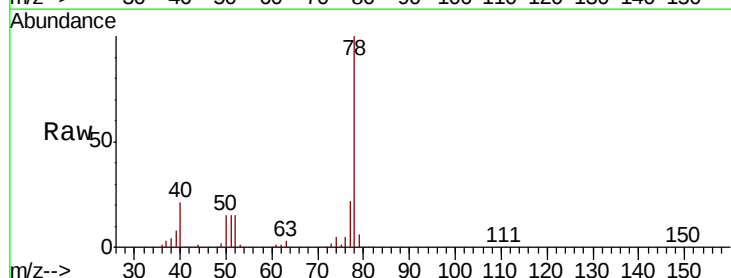
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

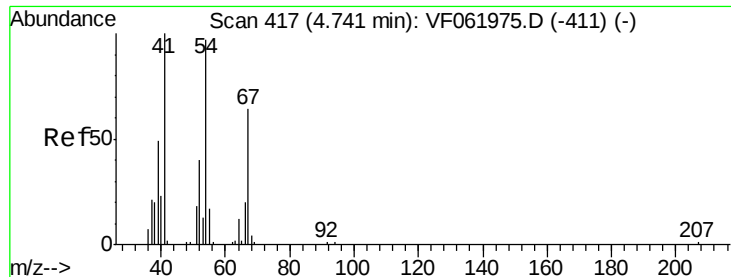
Tgt Ion: 83 Resp: 85122
Ion Ratio Lower Upper
83 100
55 82.5 69.7 104.5
98 48.5 39.4 59.0



#40
Benzene
Concen: 19.808 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 78 Resp: 188363
Ion Ratio Lower Upper
78 100
77 21.7 19.0 28.4





#41

Methacrylonitrile

Concen: 21.033 ug/l

RT: 4.75 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tgt Ion: 41 Resp: 18108

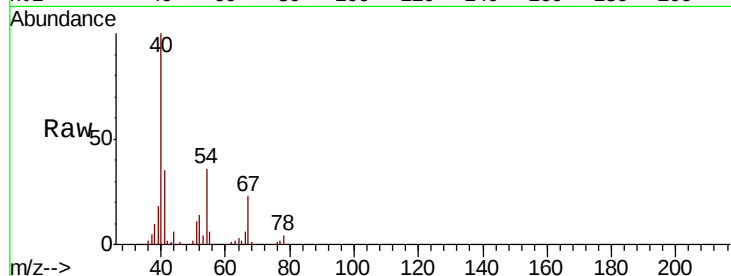
Ion Ratio Lower Upper

41 100

39 51.8 46.2 69.4

67 64.4 49.8 74.8

52 40.6 42.7 64.1#



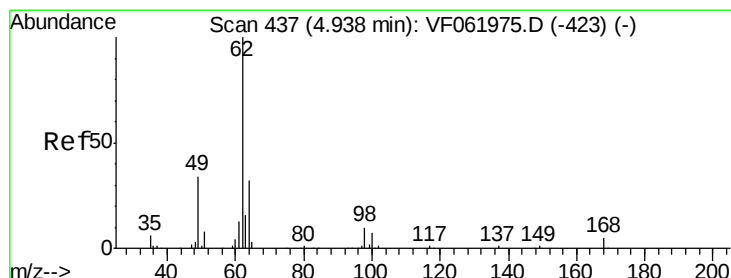
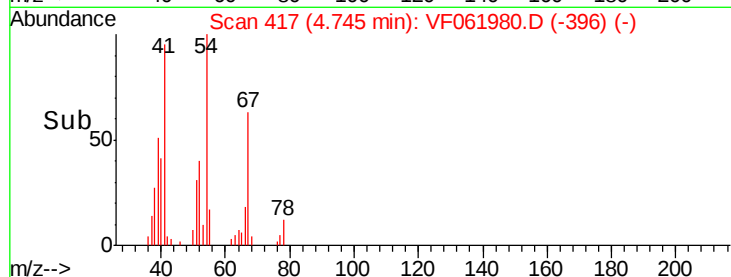
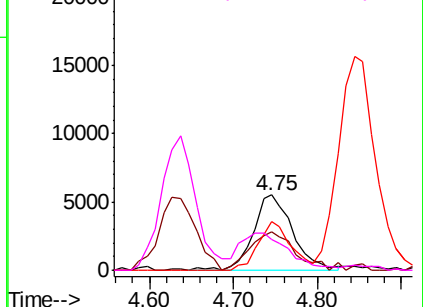
Abundance

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: 20.446 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.00 min

Lab File: VF061980.D

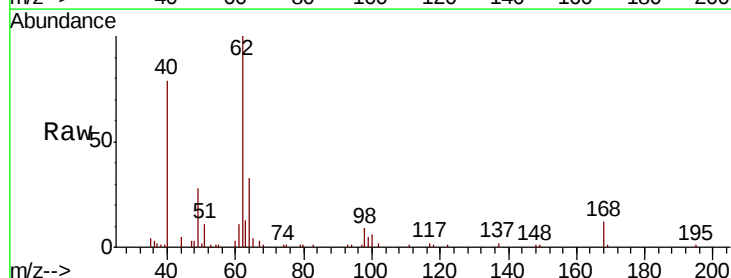
Acq: 16 Mar 2019 17:30

Tgt Ion: 62 Resp: 48401

Ion Ratio Lower Upper

62 100

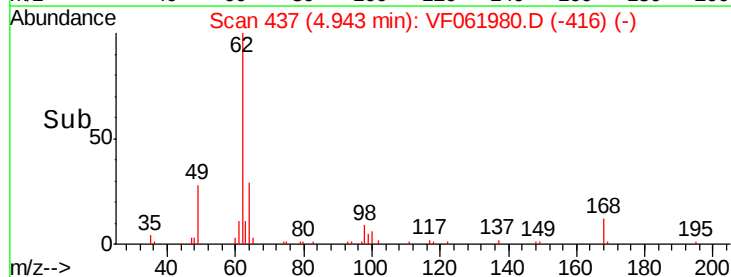
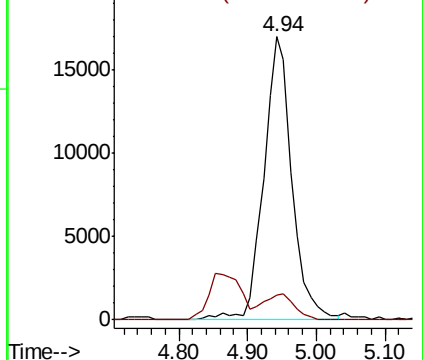
98 8.9 0.0 19.8

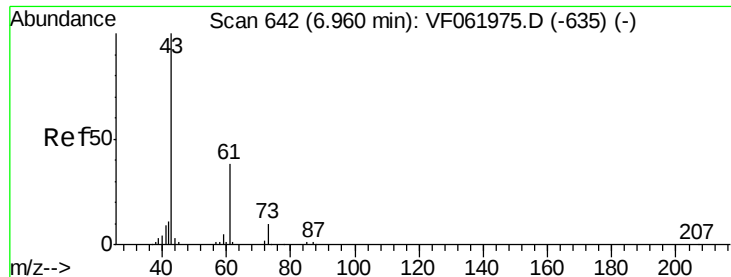


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 17.981 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

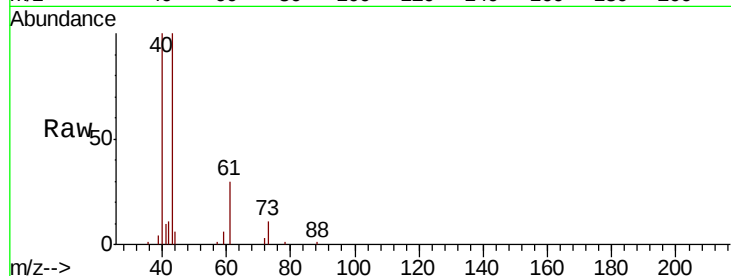
Tgt Ion: 43 Resp: 34282

Ion Ratio Lower Upper

43 100

61 30.0 30.1 45.1#

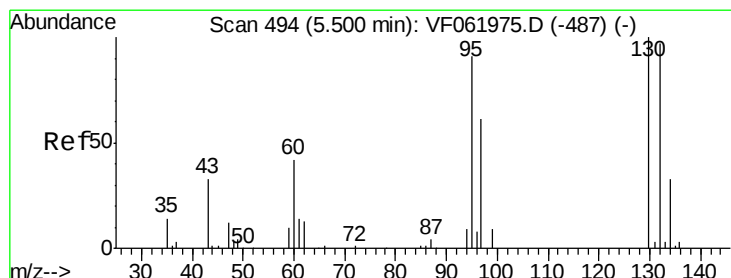
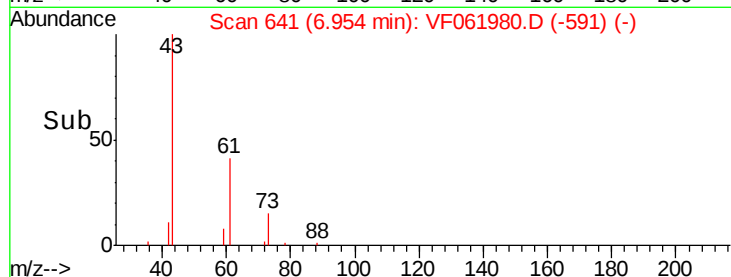
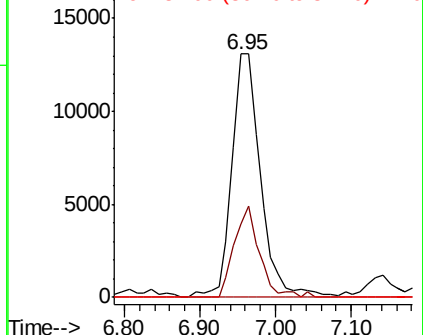
87 0.0 0.4 0.6#



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: 20.882 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF061980.D

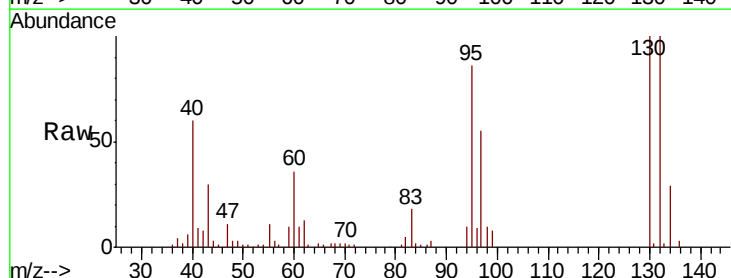
Acq: 16 Mar 2019 17:30

Tgt Ion: 130 Resp: 60829

Ion Ratio Lower Upper

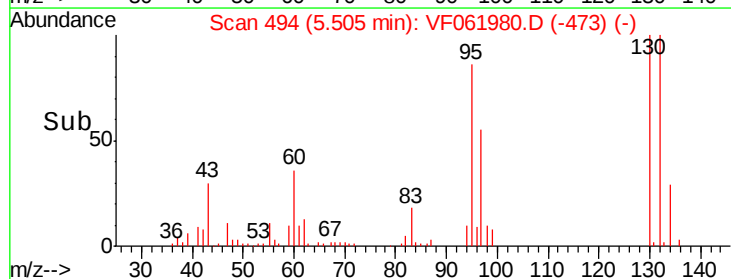
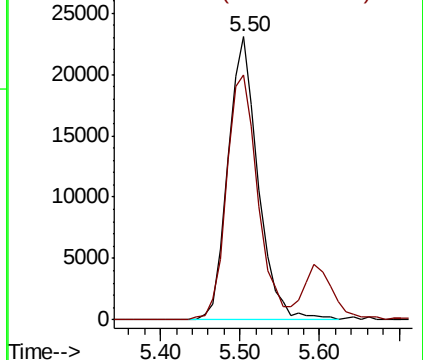
130 100

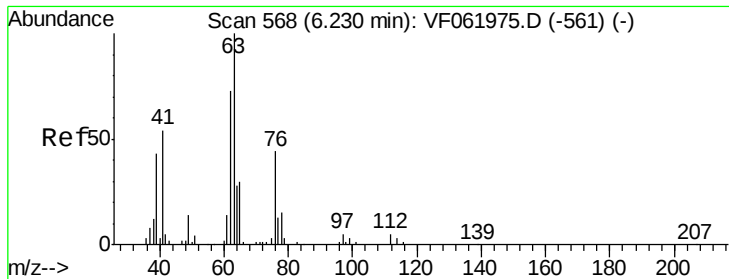
95 86.5 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 19.910 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

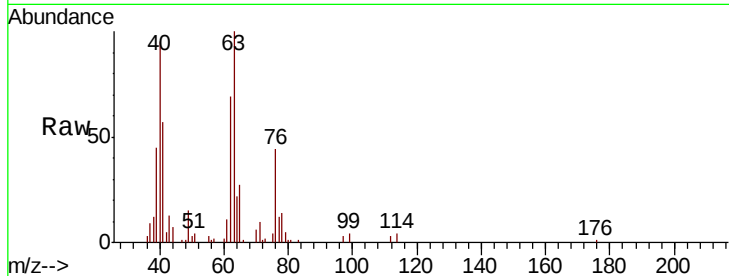
VF0316SBS01

Tgt Ion: 63 Resp: 44807

Ion Ratio Lower Upper

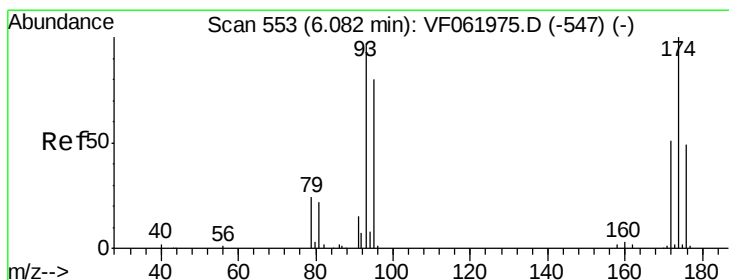
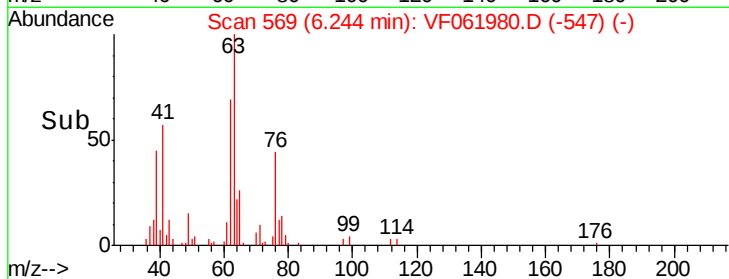
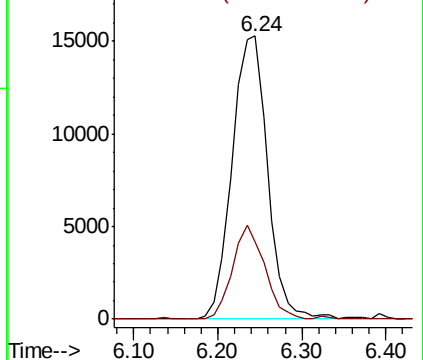
63 100

65 27.3 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: 19.197 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

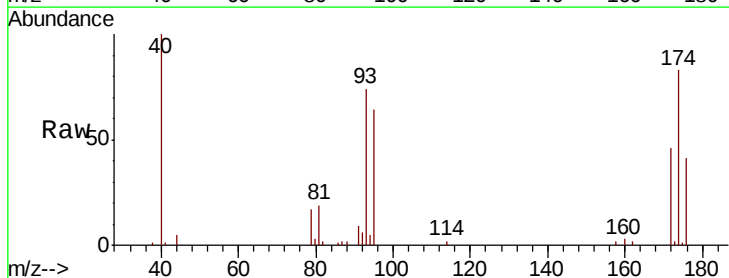
Tgt Ion: 93 Resp: 25700

Ion Ratio Lower Upper

93 100

95 86.7 65.7 98.5

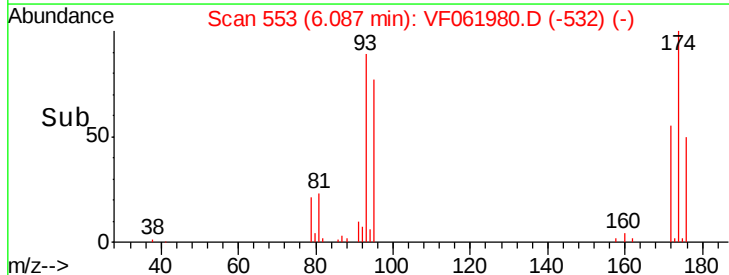
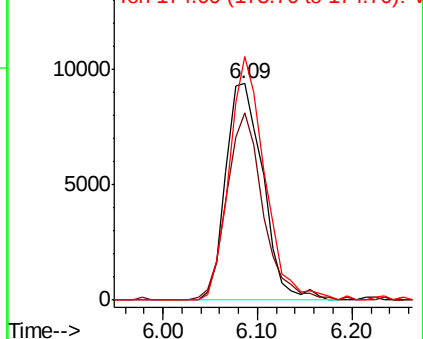
174 112.5 82.2 123.4

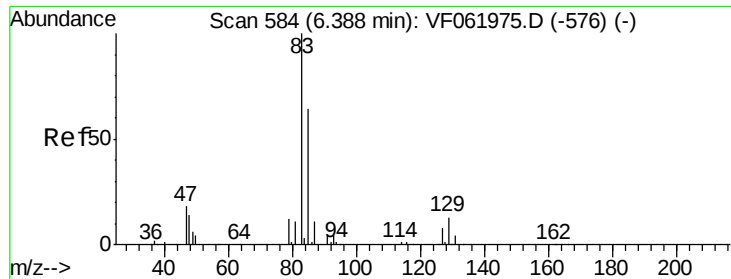


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.519 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

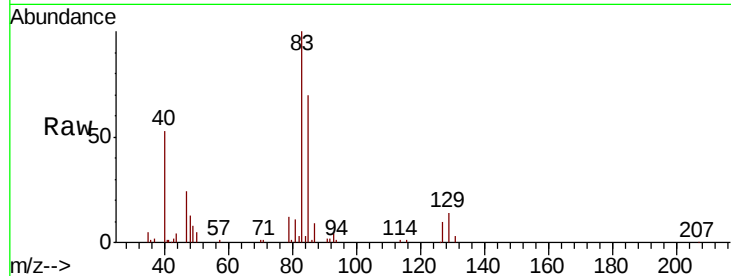
Tgt Ion: 83 Resp: 61605

Ion Ratio Lower Upper

83 100

85 69.7 51.4 77.2

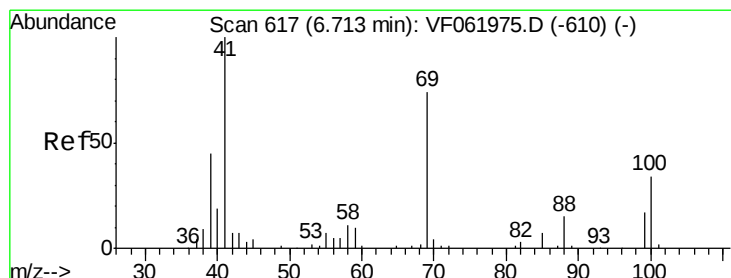
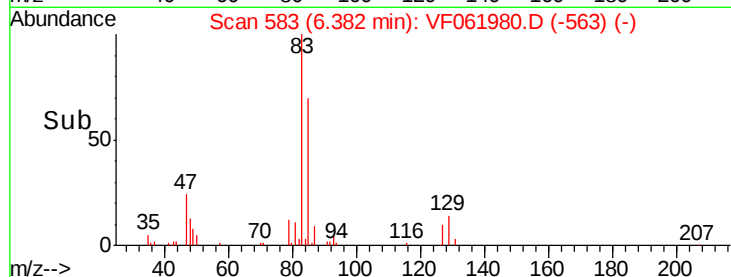
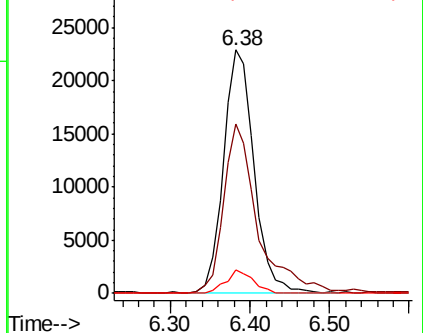
127 9.8 6.5 9.7#



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: 16.089 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

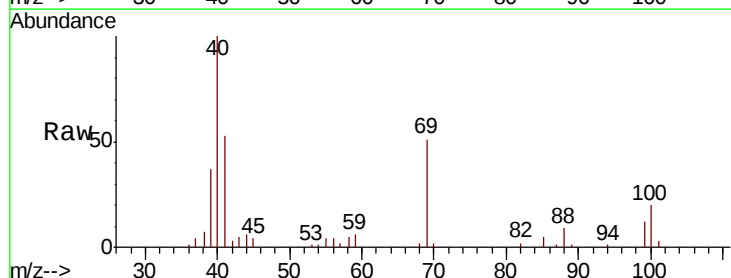
Tgt Ion: 41 Resp: 19824

Ion Ratio Lower Upper

41 100

69 96.2 59.0 88.6#

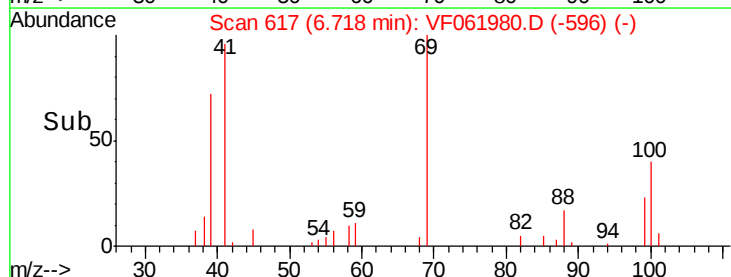
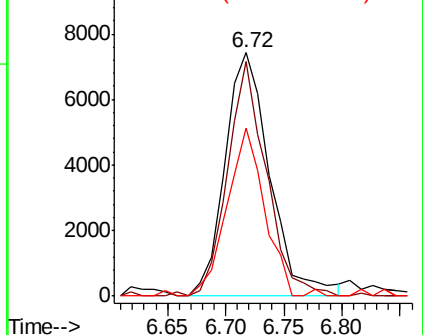
39 68.9 35.6 53.4#

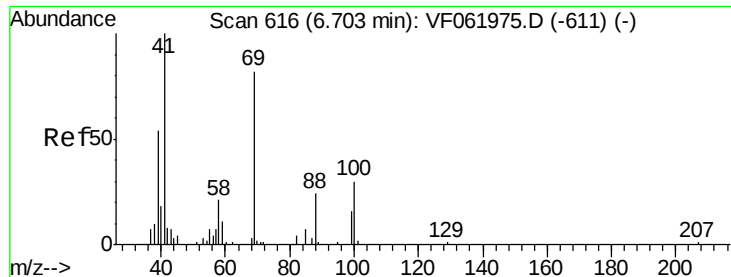


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 336.763 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

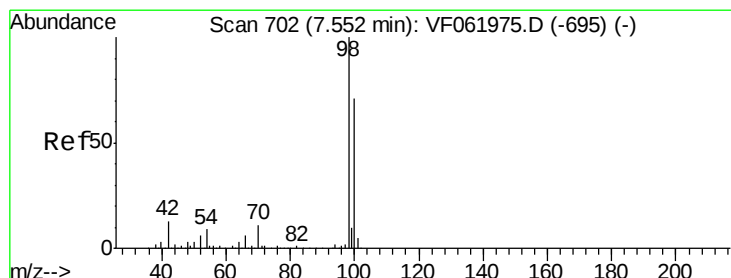
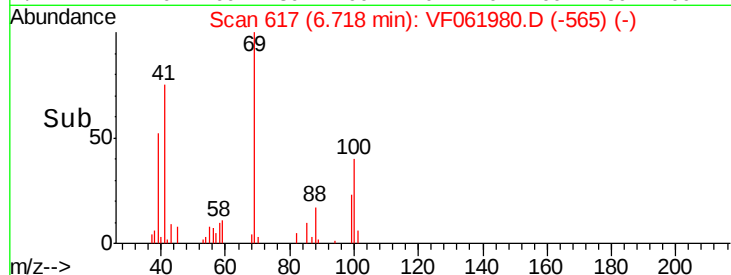
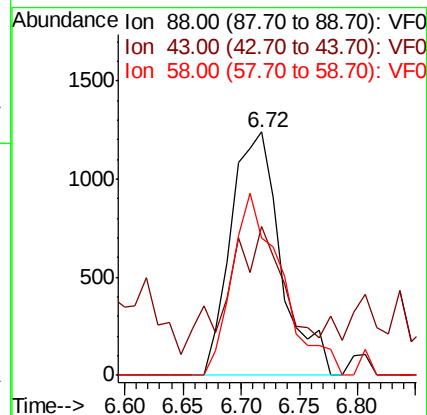
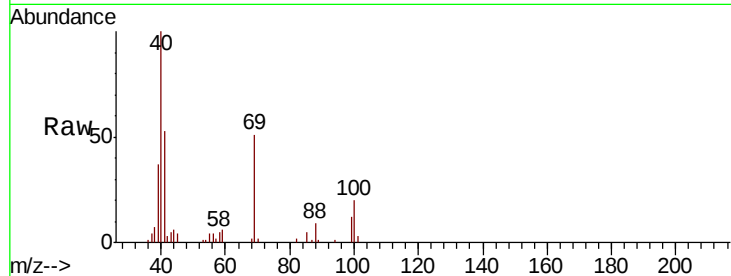
Tgt Ion: 88 Resp: 3691

Ion Ratio Lower Upper

88 100

43 61.2 31.2 46.8#

58 56.3 69.9 104.9#



#50

Toluene-d8

Concen: 45.219 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061980.D

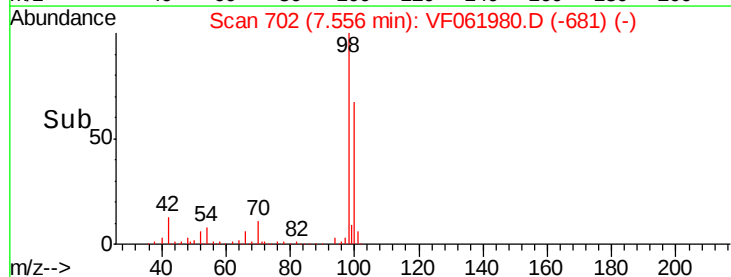
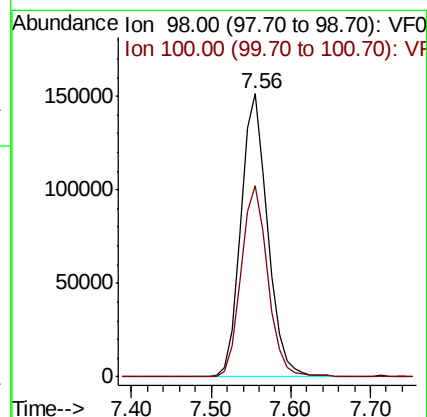
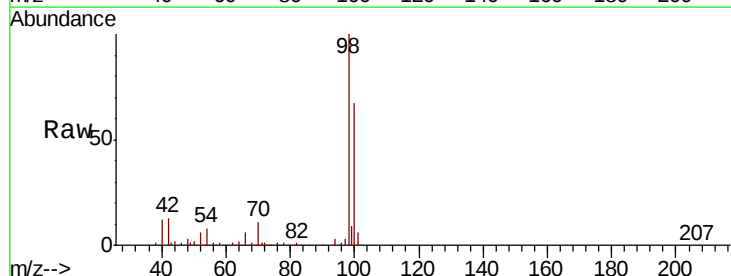
Acq: 16 Mar 2019 17:30

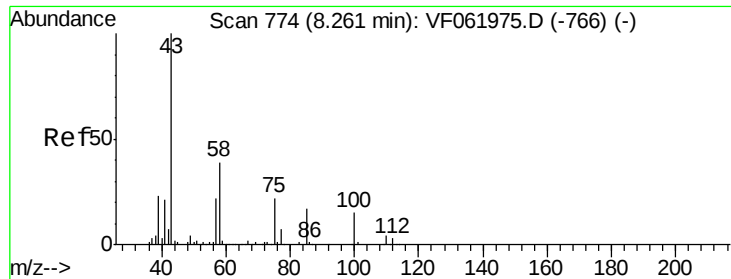
Tgt Ion: 98 Resp: 352767

Ion Ratio Lower Upper

98 100

100 67.4 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 97.291 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

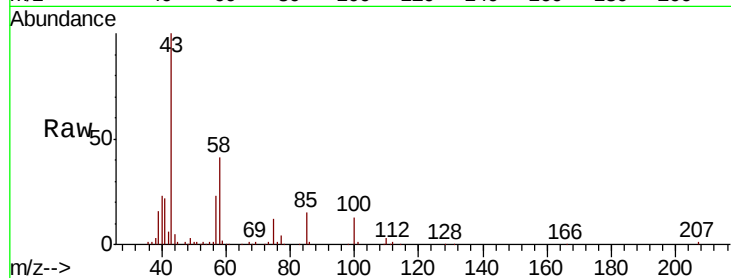
VF0316SBS01

Tgt Ion: 43 Resp: 131717

Ion Ratio Lower Upper

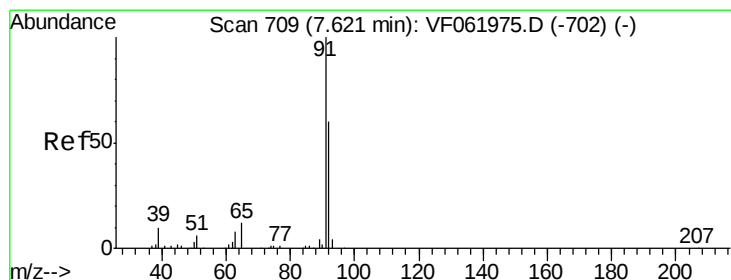
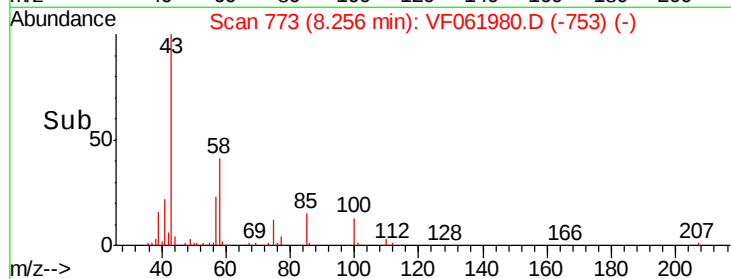
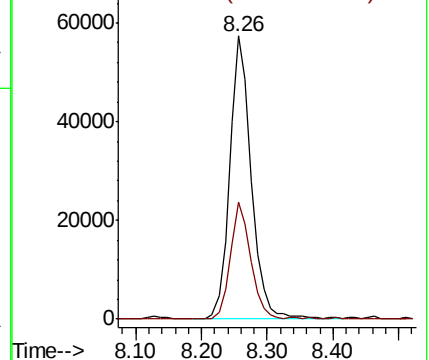
43 100

58 41.3 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: 19.113 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061980.D

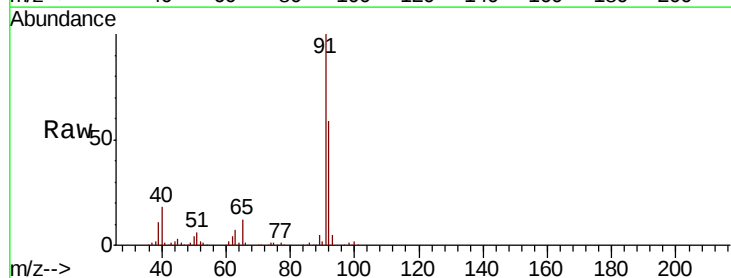
Acq: 16 Mar 2019 17:30

Tgt Ion: 92 Resp: 111050

Ion Ratio Lower Upper

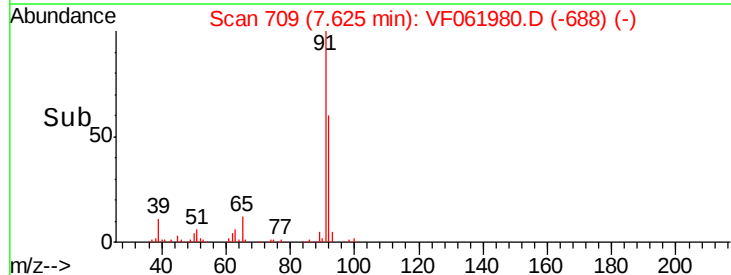
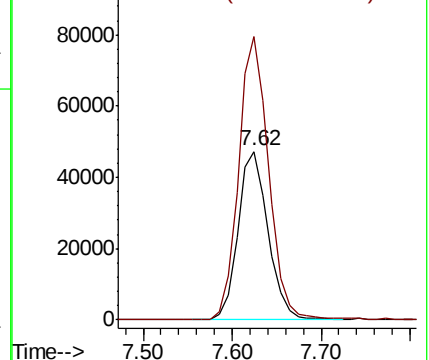
92 100

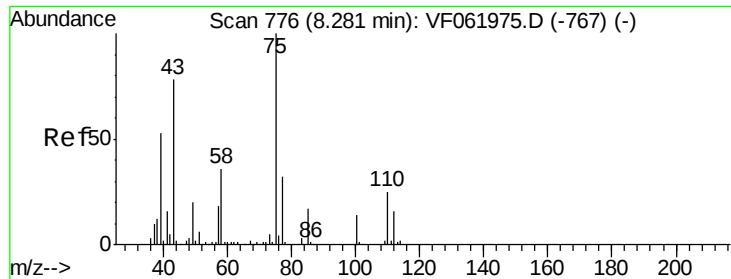
91 168.1 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

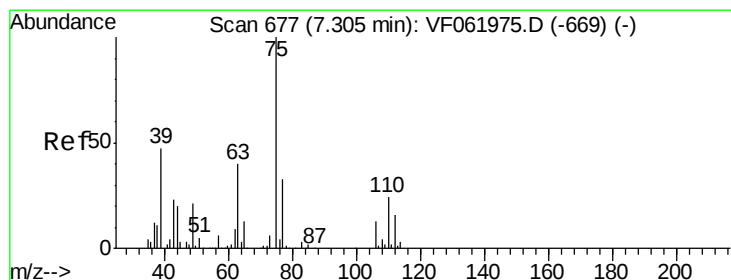
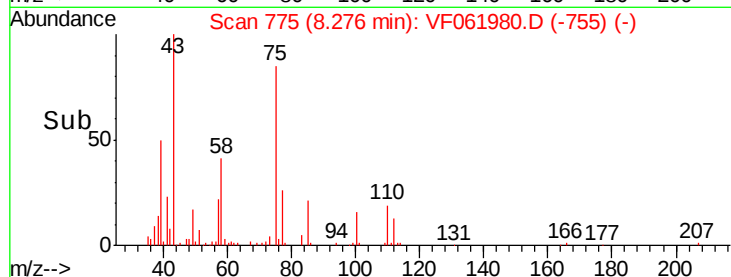
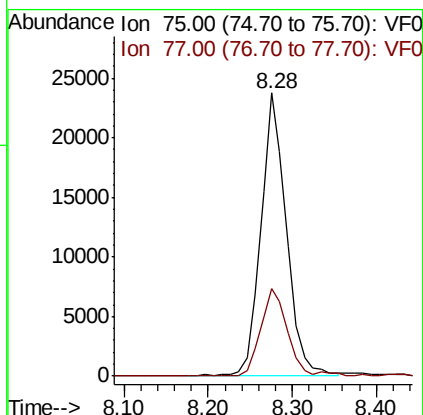
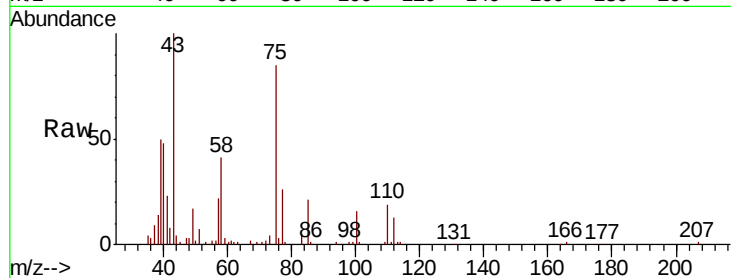




#53
 t-1,3-Dichloropropene
 Concen: 18.987 ug/l
 RT: 8.28 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

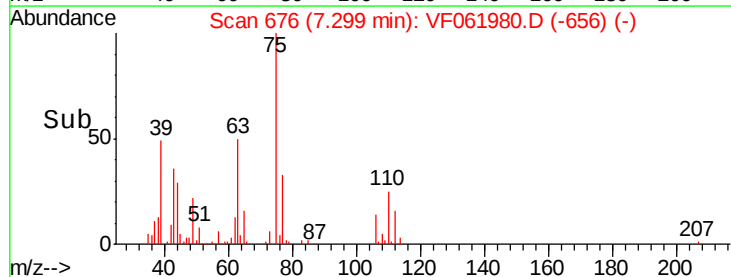
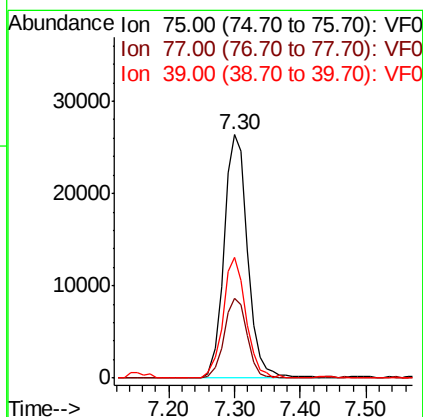
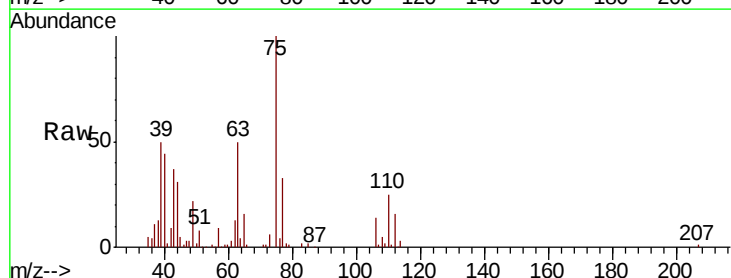
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

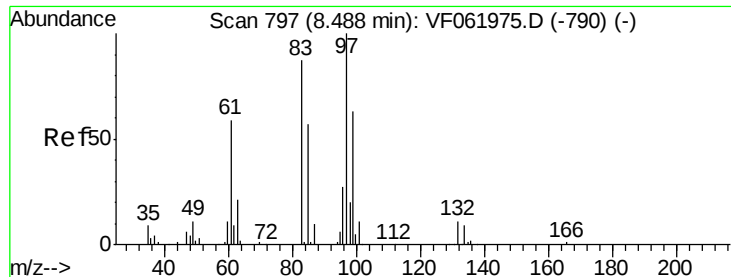
Tgt Ion: 75 Resp: 50592
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.087 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion: 75 Resp: 66363
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.4 39.6
 39 49.5 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 19.939 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

Tgt Ion: 97 Resp: 32333

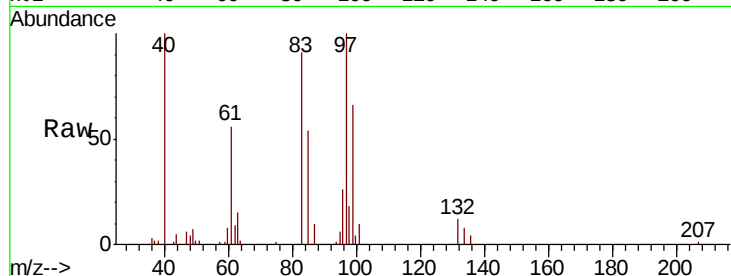
Ion Ratio Lower Upper

97 100

83 91.4 69.7 104.5

85 53.6 45.8 68.6

99 65.9 50.3 75.5

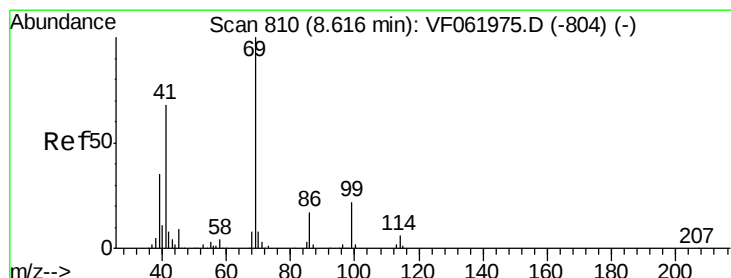
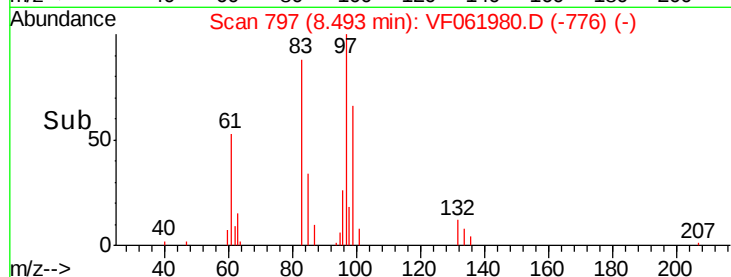
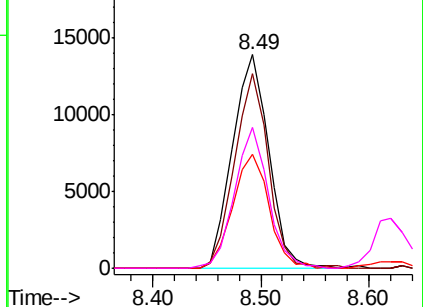


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.057 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

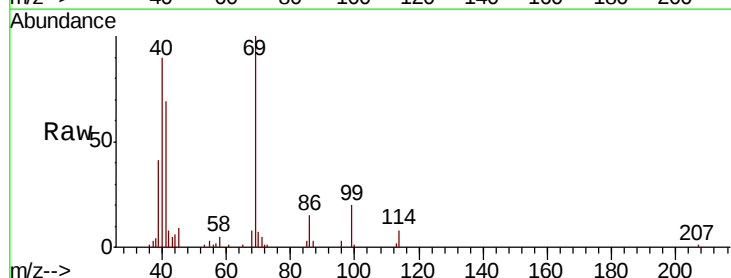
Tgt Ion: 69 Resp: 35130

Ion Ratio Lower Upper

69 100

41 69.3 54.7 82.1

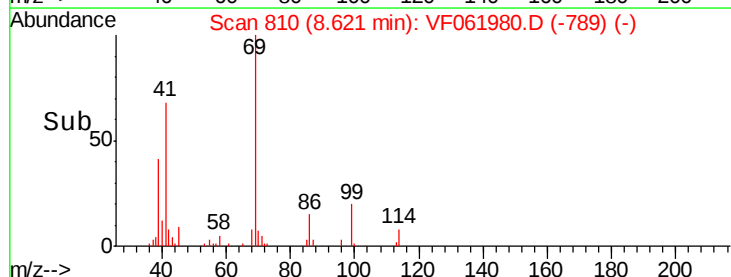
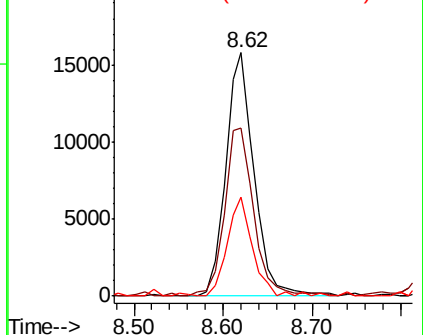
39 40.5 27.9 41.9

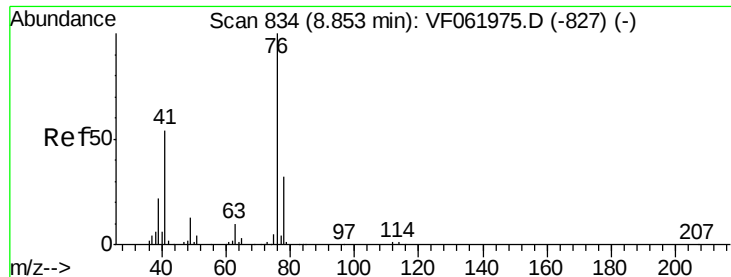


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.410 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

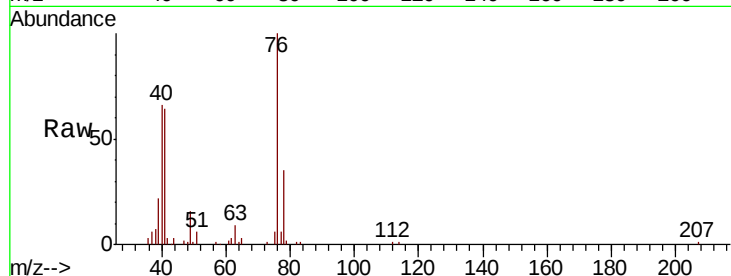
VF0316SBS01

Tgt Ion: 76 Resp: 52504

Ion Ratio Lower Upper

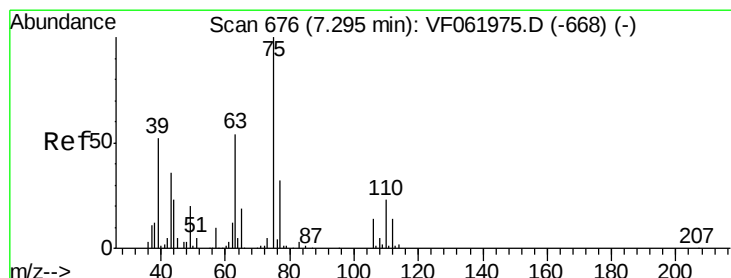
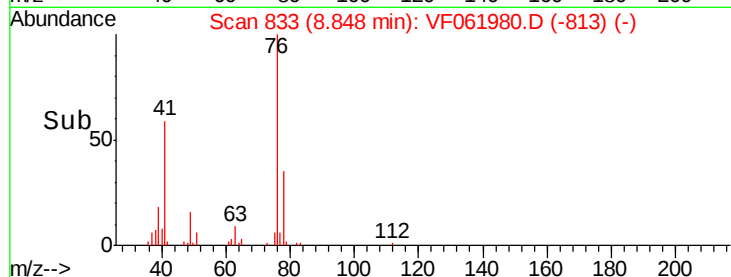
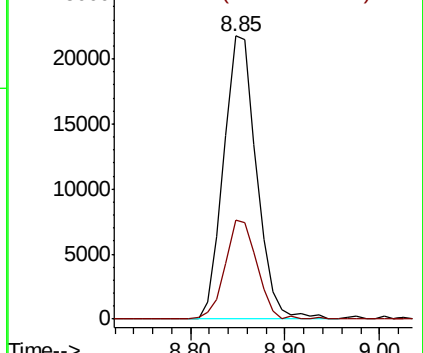
76 100

78 35.0 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 99.074 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061980.D

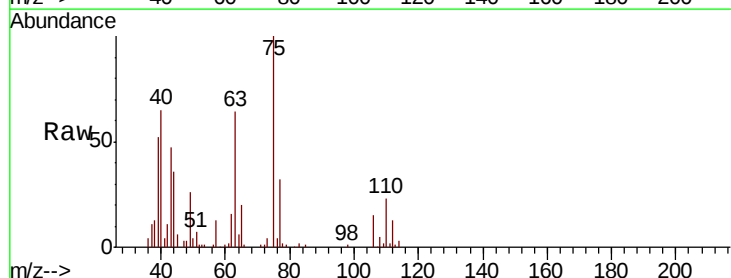
Acq: 16 Mar 2019 17:30

Tgt Ion: 63 Resp: 33080

Ion Ratio Lower Upper

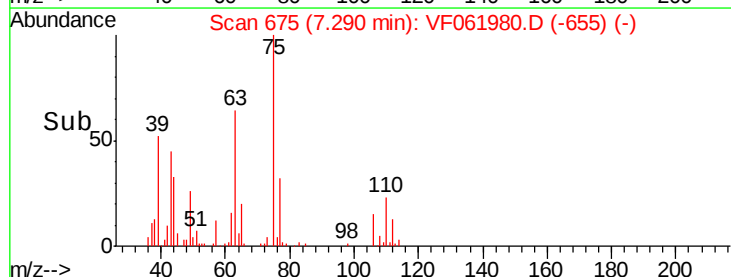
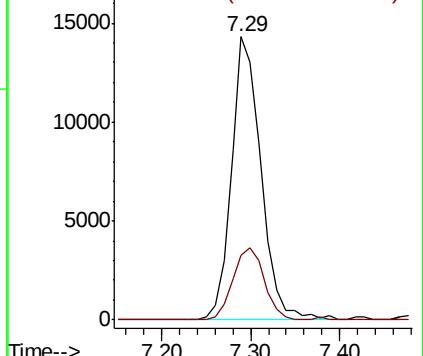
63 100

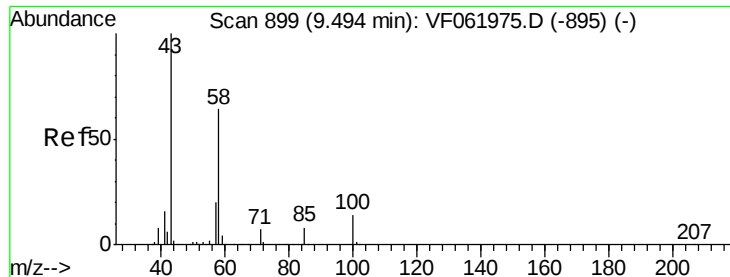
106 23.0 20.9 31.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

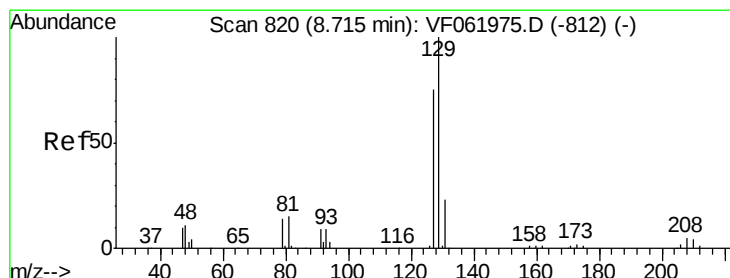
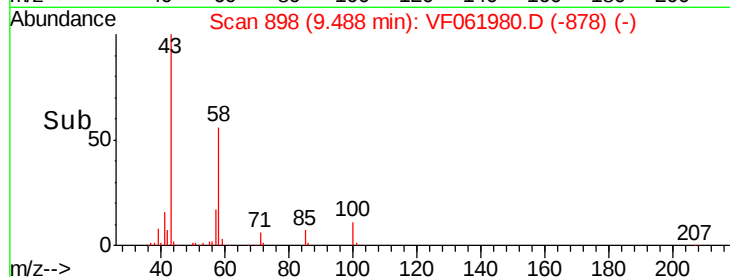
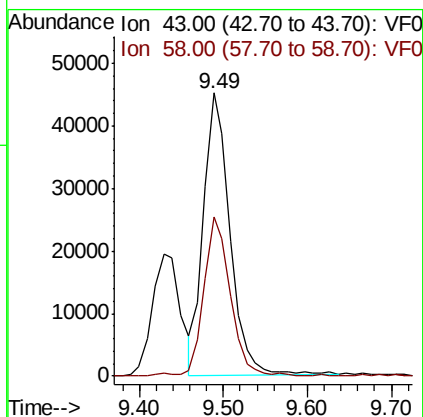
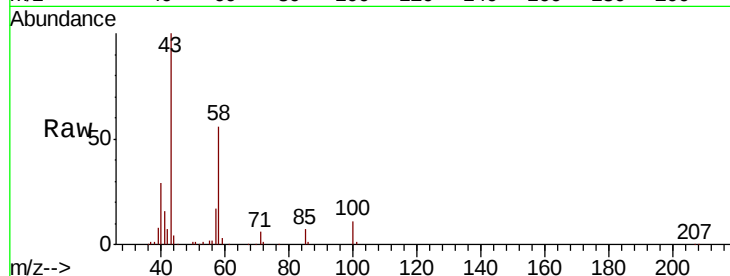




#59
2-Hexanone
Concen: 100.683 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

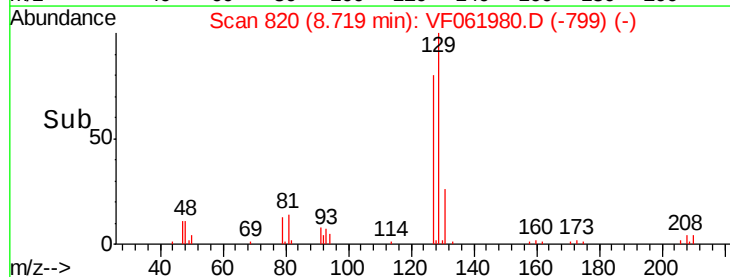
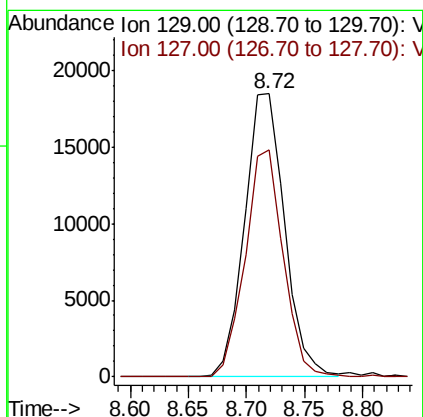
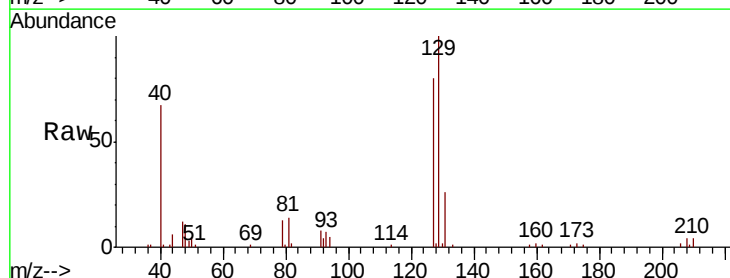
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

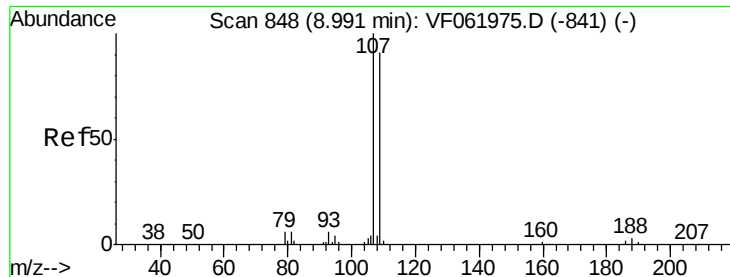
Tgt Ion: 43 Resp: 98648
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2



#60
Dibromochloromethane
Concen: 19.602 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 129 Resp: 44129
Ion Ratio Lower Upper
129 100
127 82.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 19.885 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

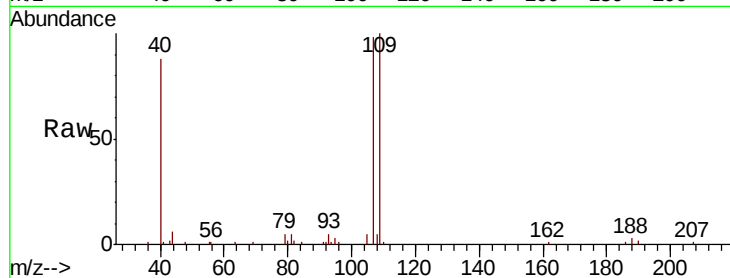
VF0316SBS01

Tgt Ion:107 Resp: 34589

Ion Ratio Lower Upper

107 100

109 101.6 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

15000

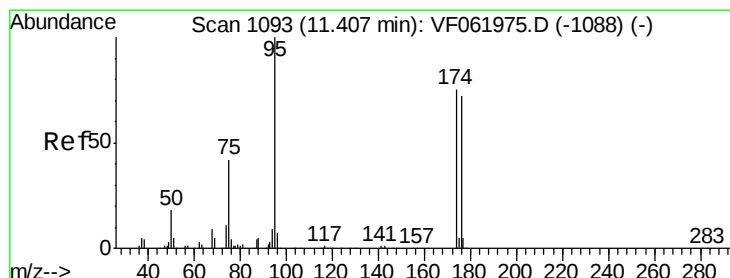
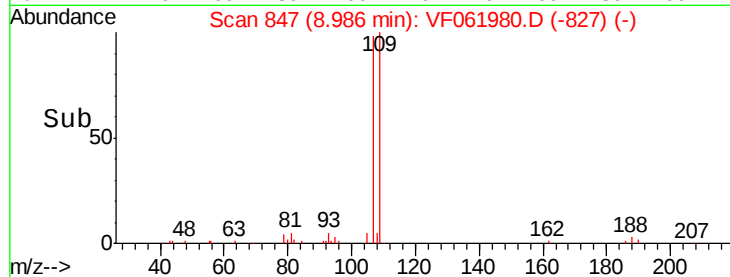
10000

5000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.940 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

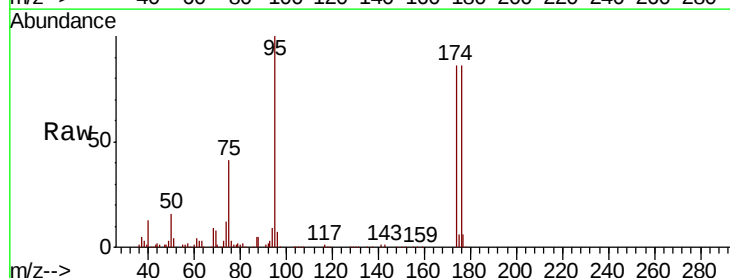
Tgt Ion: 95 Resp: 148572

Ion Ratio Lower Upper

95 100

174 86.0 0.0 149.4

176 85.8 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

120000

100000

80000

60000

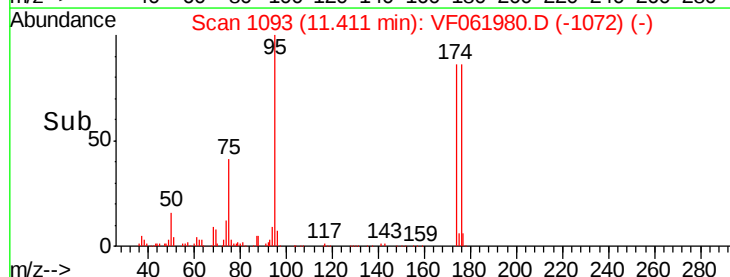
40000

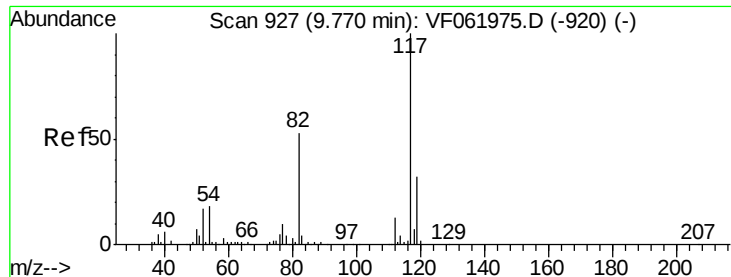
20000

0

11.30 11.40 11.50 11.60

Time-->

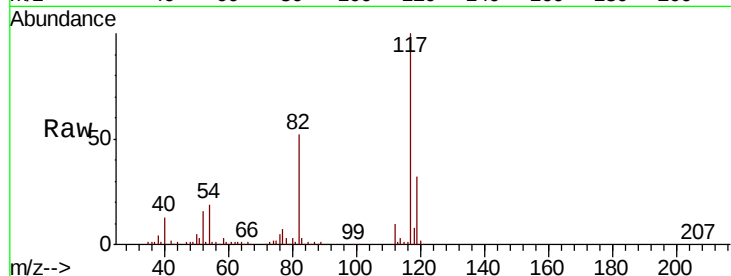




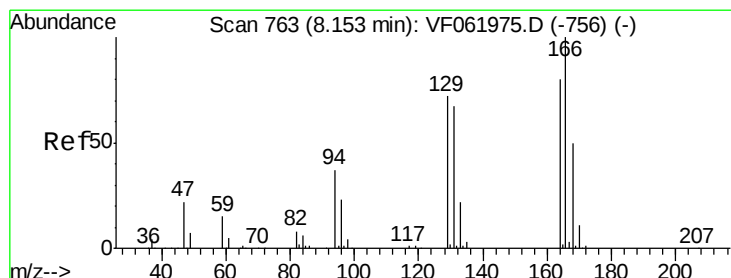
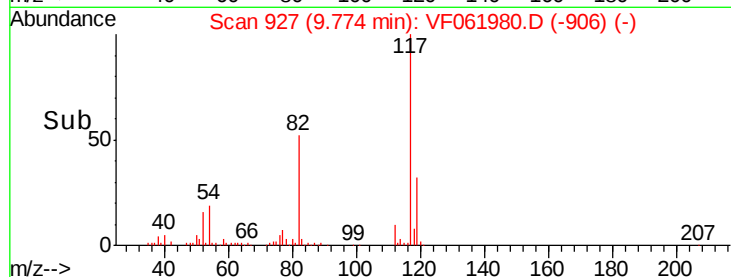
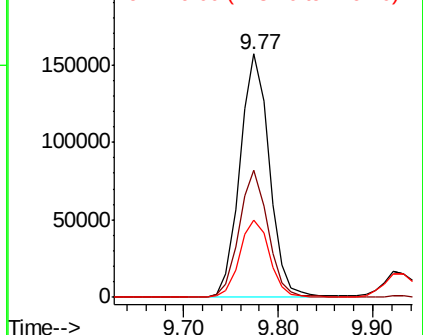
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tgt Ion:117 Resp: 339965
Ion Ratio Lower Upper
117 100
82 52.3 42.5 63.7
119 31.8 25.4 38.0

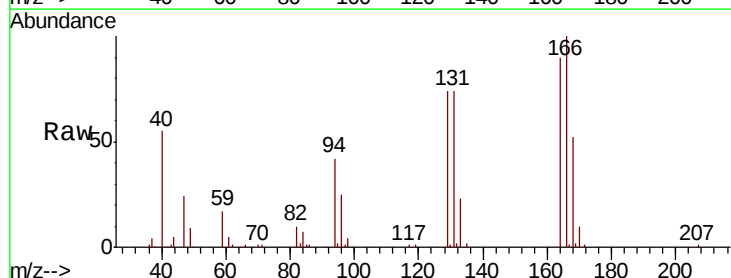


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

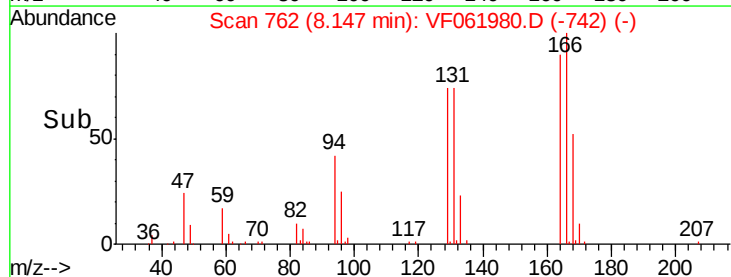
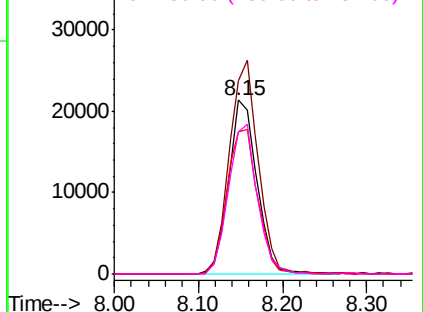


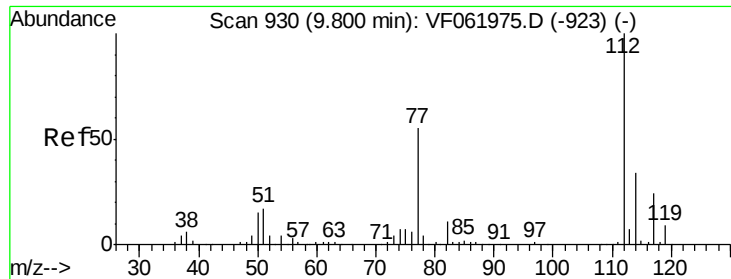
#64
Tetrachloroethene
Concen: 20.281 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion:164 Resp: 50117
Ion Ratio Lower Upper
164 100
166 110.8 100.0 150.0
129 81.9 72.4 108.6
131 81.9 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

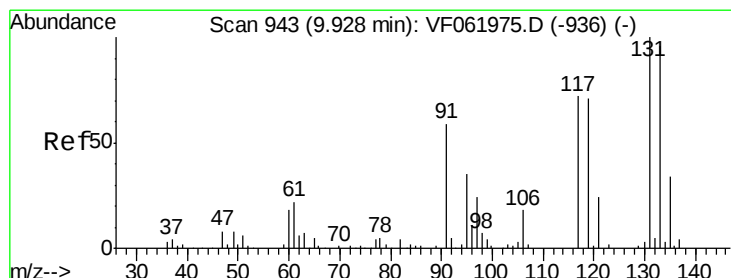
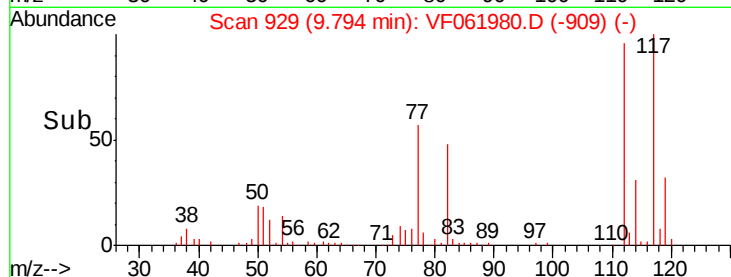
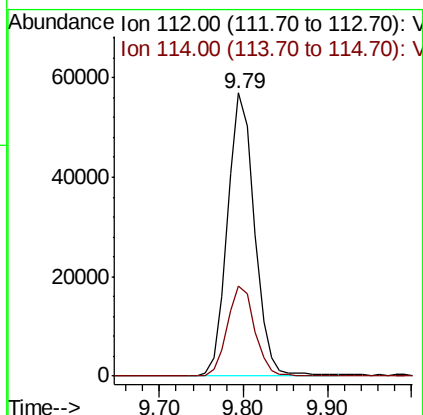
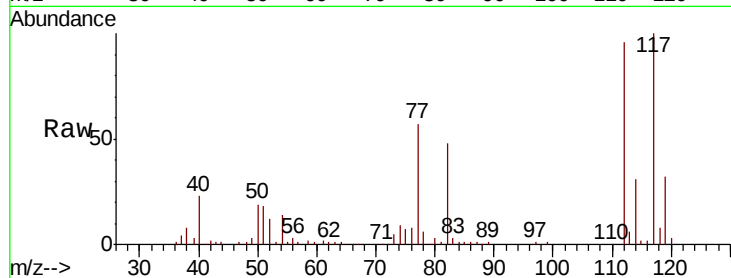




#65
Chlorobenzene
Concen: 20.160 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

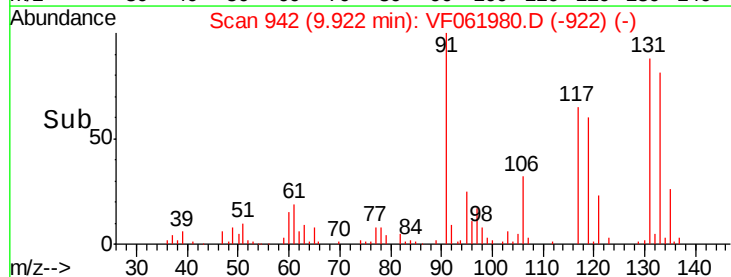
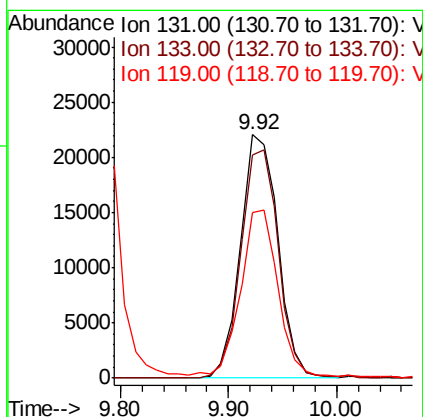
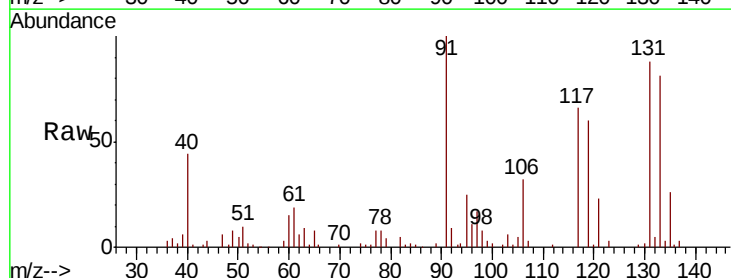
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

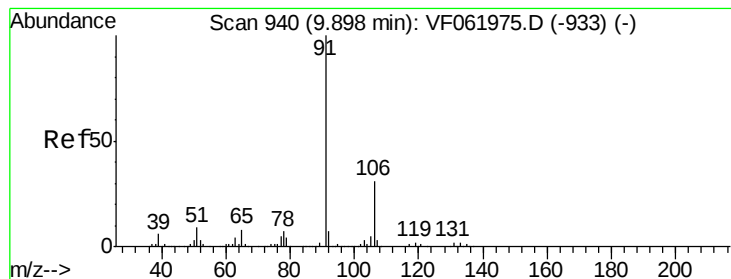
Tgt Ion:112 Resp: 127605
Ion Ratio Lower Upper
112 100
114 32.1 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.663 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion:131 Resp: 53150
Ion Ratio Lower Upper
131 100
133 91.8 48.0 144.2
119 68.0 35.9 107.7





#67

Ethyl Benzene

Concen: 20.362 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

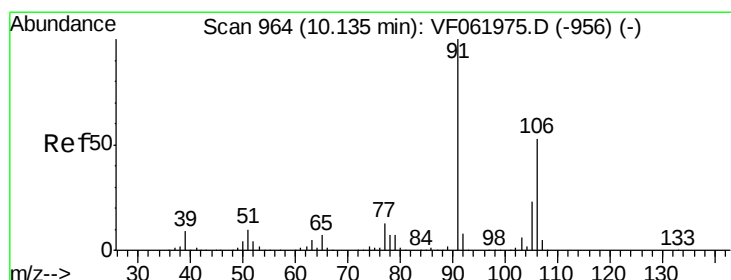
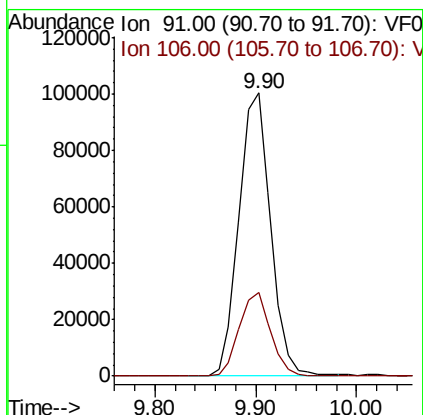
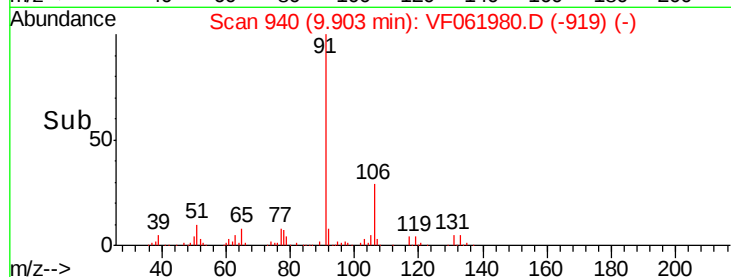
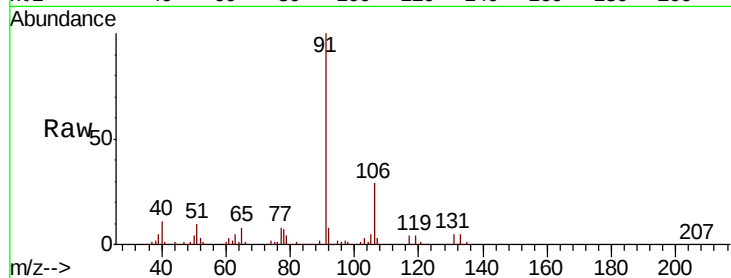
VF0316SBS01

Tgt Ion: 91 Resp: 220675

Ion Ratio Lower Upper

91 100

106 29.4 24.4 36.6



#68

m/p-Xylenes

Concen: 41.635 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061980.D

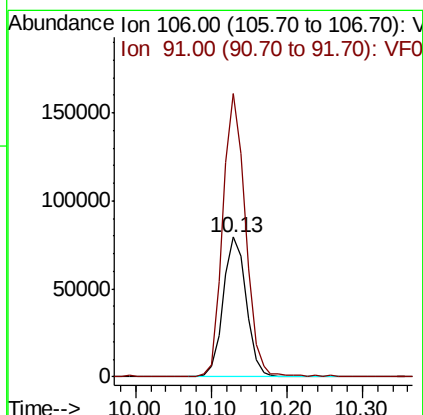
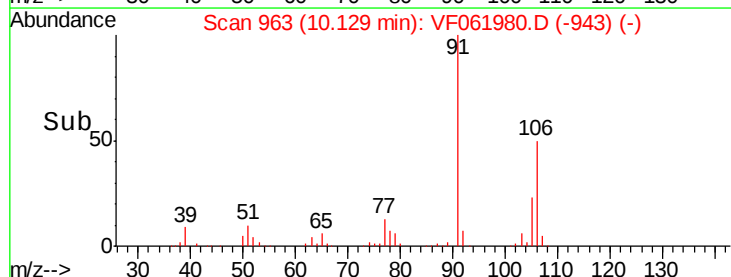
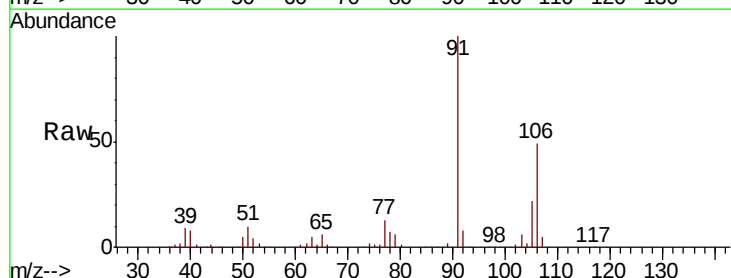
Acq: 16 Mar 2019 17:30

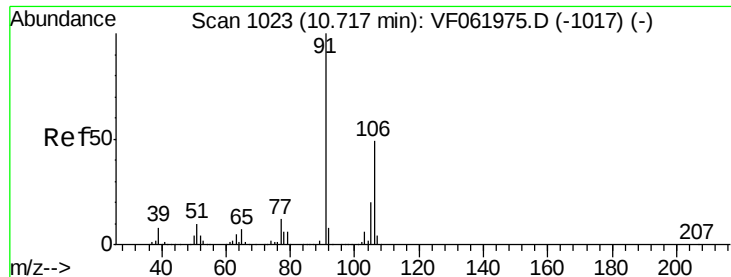
Tgt Ion: 106 Resp: 169707

Ion Ratio Lower Upper

106 100

91 202.5 151.9 227.9

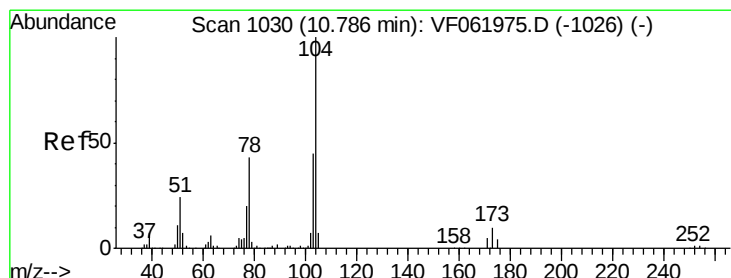
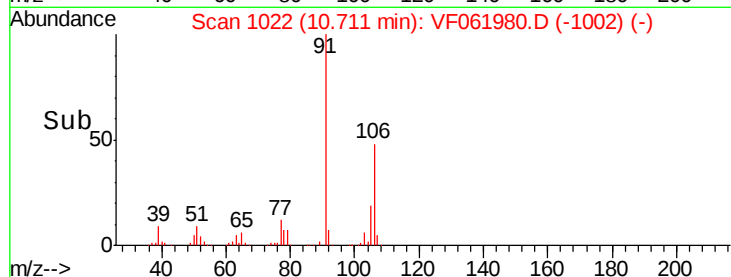
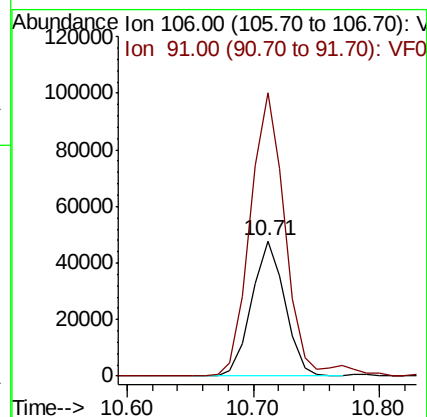
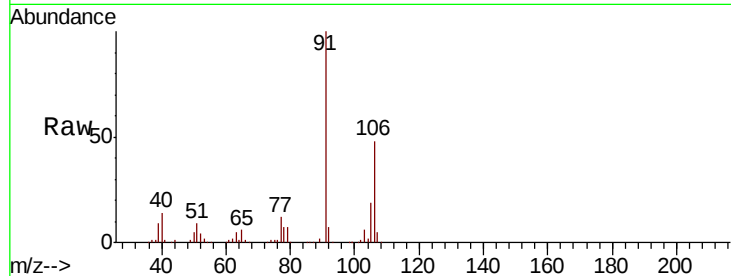




#69
o-Xylene
Concen: 20.084 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

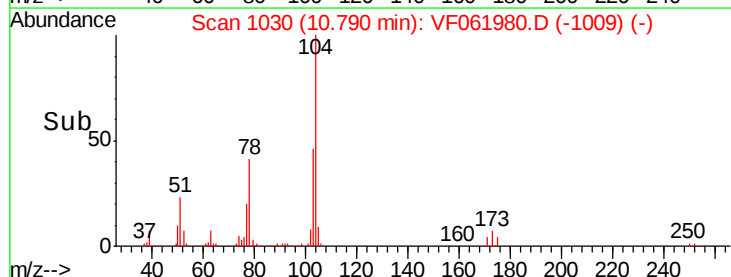
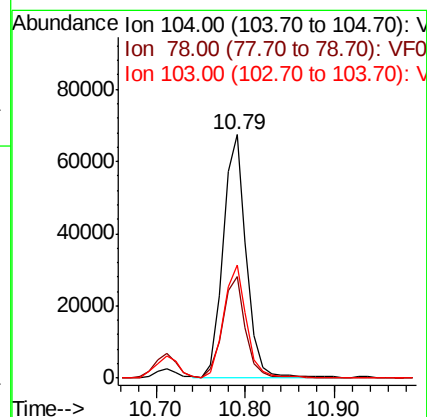
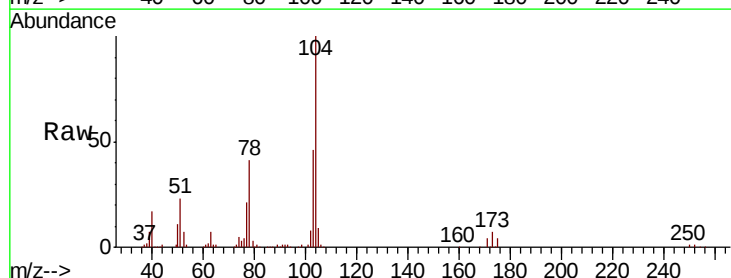
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

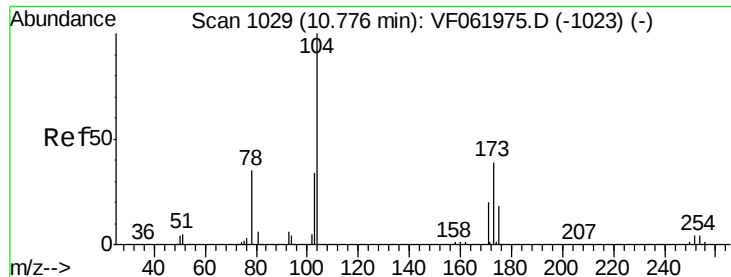
Tgt Ion:106 Resp: 87596
Ion Ratio Lower Upper
106 100
91 209.8 102.3 306.8



#70
Styrene
Concen: 20.241 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion:104 Resp: 122304
Ion Ratio Lower Upper
104 100
78 41.5 34.7 52.1
103 46.3 36.6 54.8





#71

Bromoform

Concen: 20.962 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

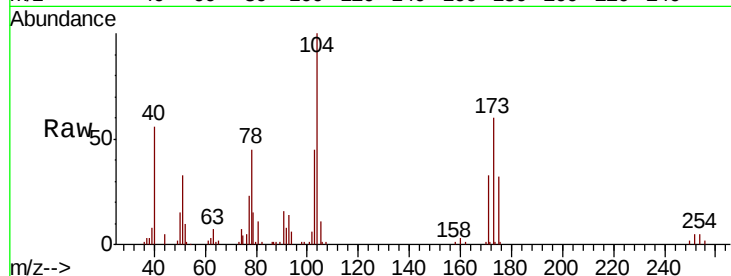
Tgt Ion:173 Resp: 26013

Ion Ratio Lower Upper

173 100

175 53.7 23.7 71.1

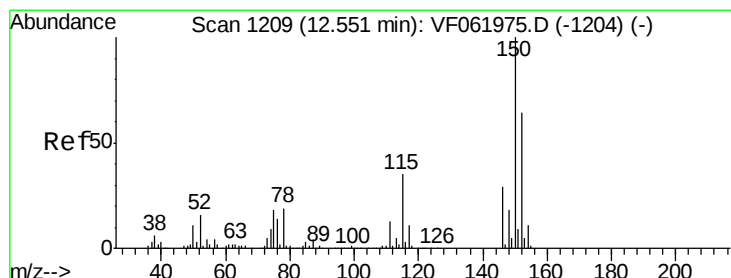
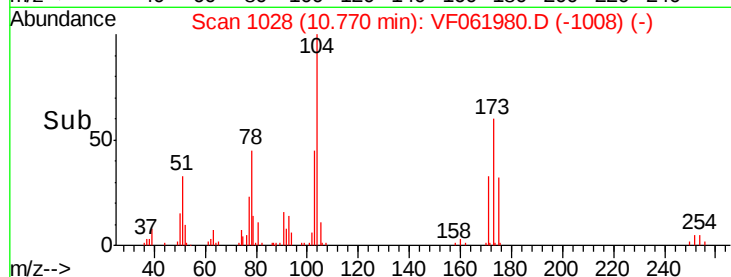
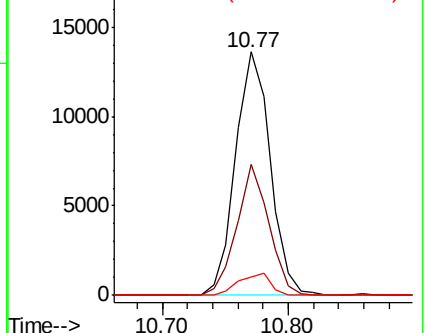
254 7.5 7.8 11.8#



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: 12.56 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

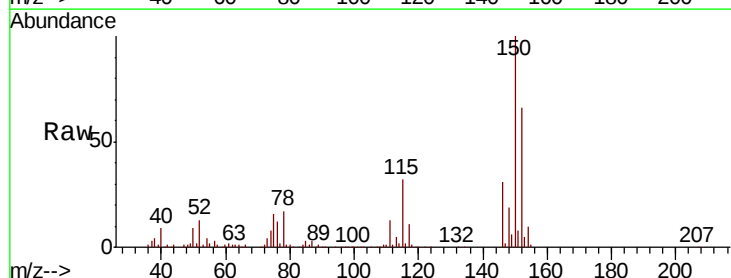
Tgt Ion:152 Resp: 184847

Ion Ratio Lower Upper

152 100

115 49.1 27.3 81.9

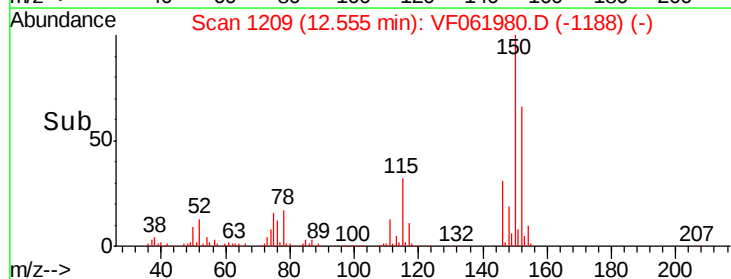
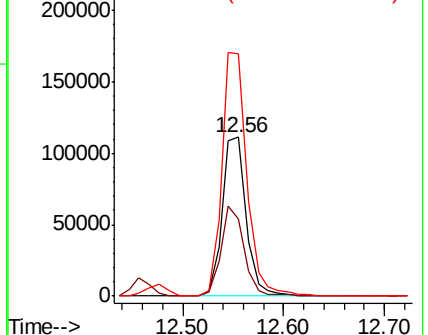
150 152.5 0.0 316.2

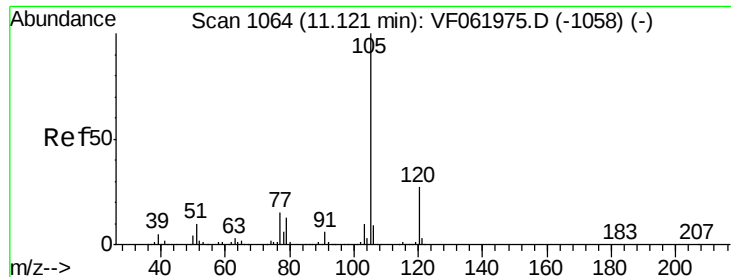


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.232 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

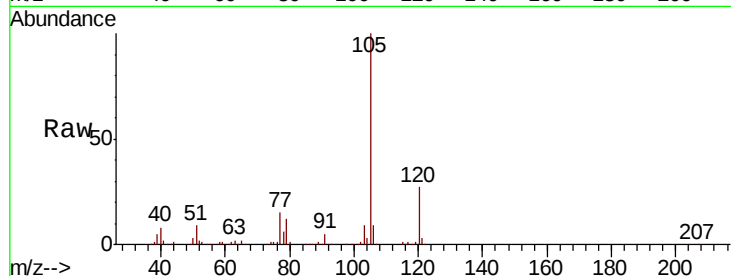
VF0316SBS01

Tgt Ion:105 Resp: 258365

Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

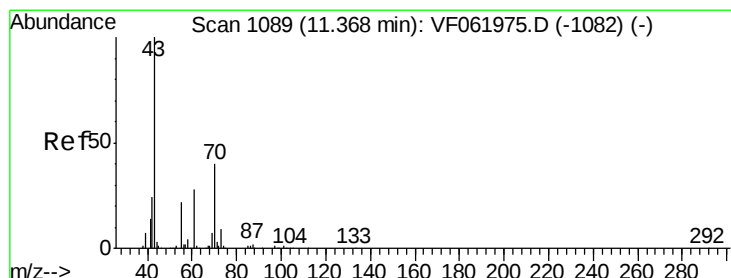
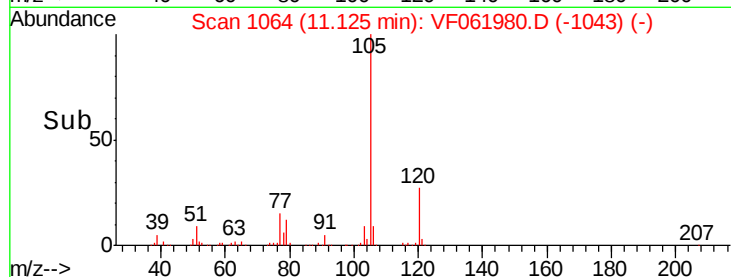
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.517 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Tgt Ion: 43 Resp: 60036

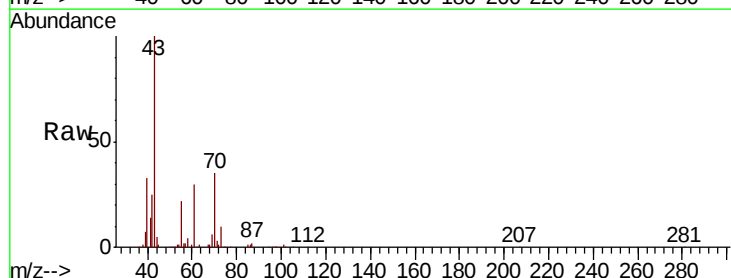
Ion Ratio Lower Upper

43 100

70 34.7 31.9 47.9

55 21.5 17.9 26.9

61 29.8 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

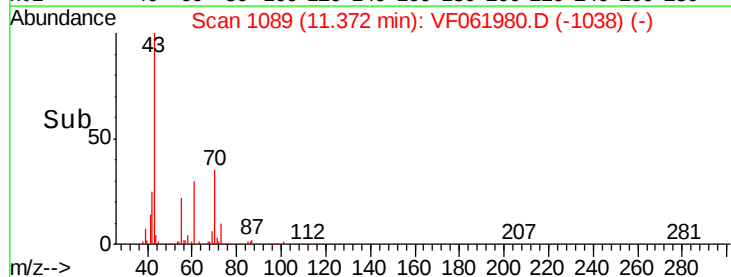
30000

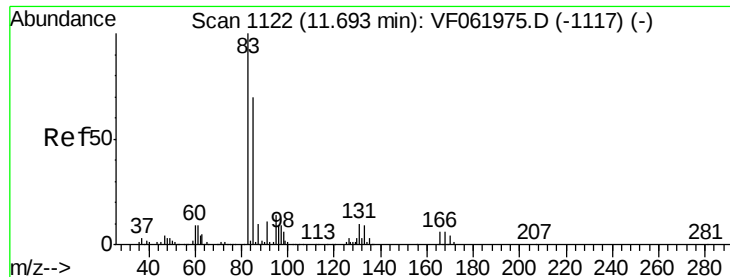
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.330 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

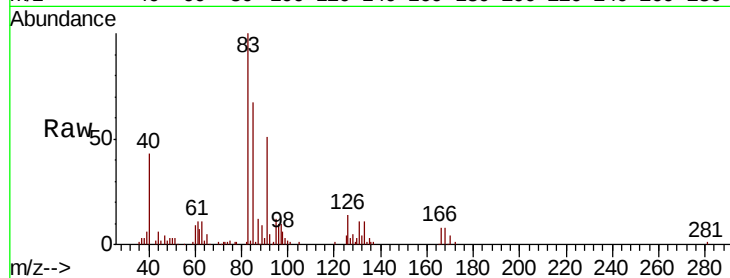
Tgt Ion: 83 Resp: 42853

Ion Ratio Lower Upper

83 100

131 11.4 4.9 14.7

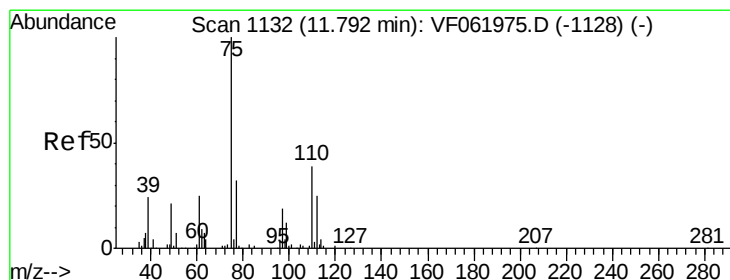
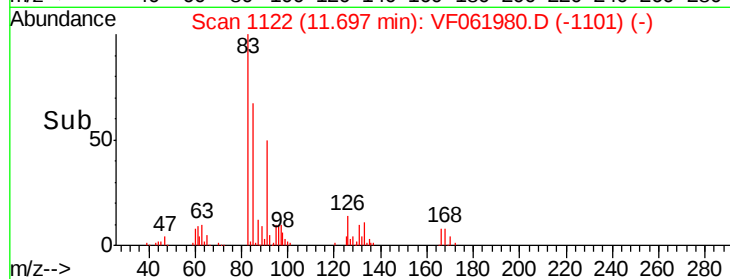
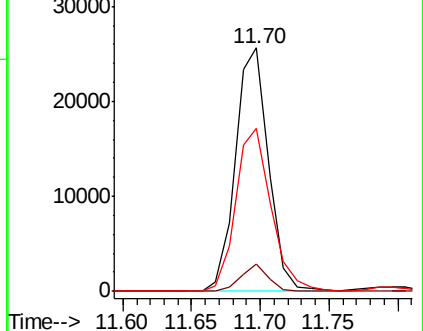
85 66.8 35.3 105.9



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: 18.552 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061980.D

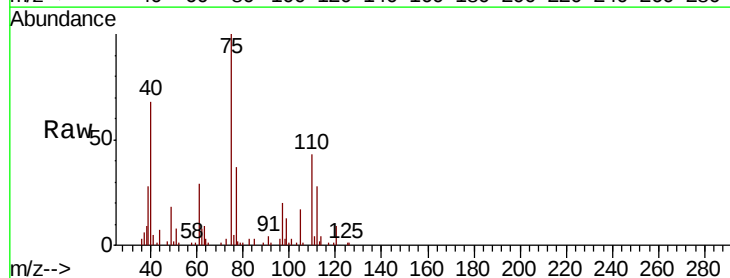
Acq: 16 Mar 2019 17:30

Tgt Ion: 75 Resp: 27345

Ion Ratio Lower Upper

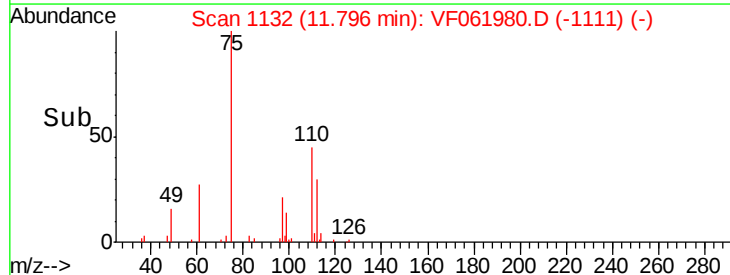
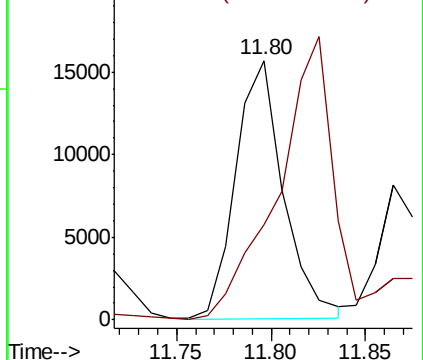
75 100

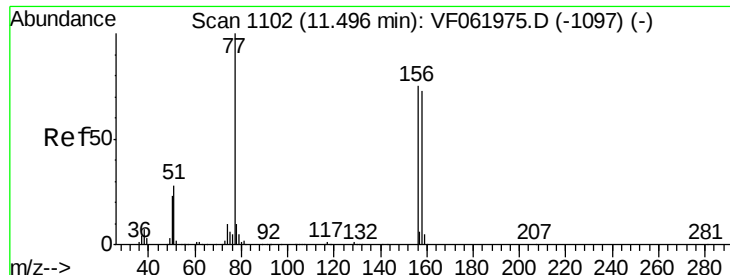
77 36.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

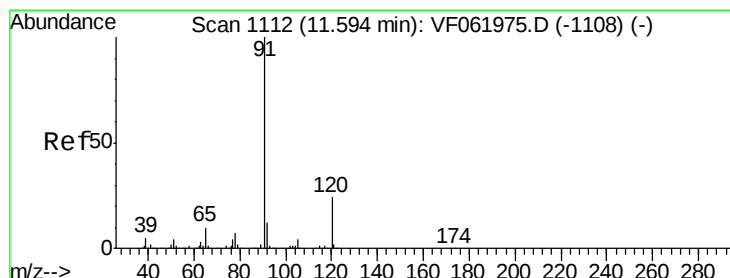
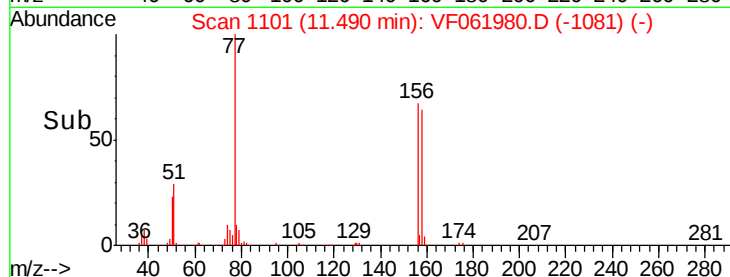
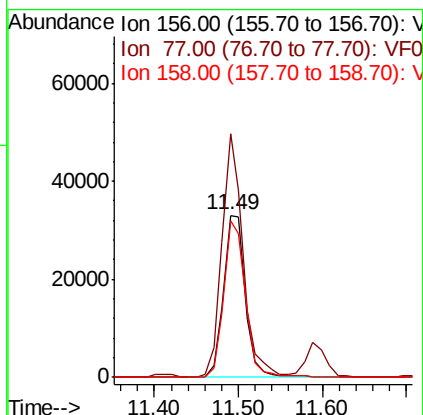
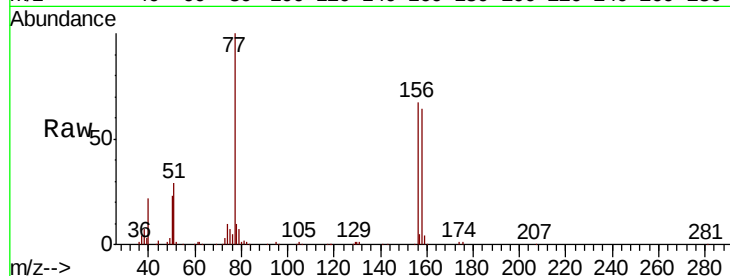




#77
Bromobenzene
Concen: 20.175 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

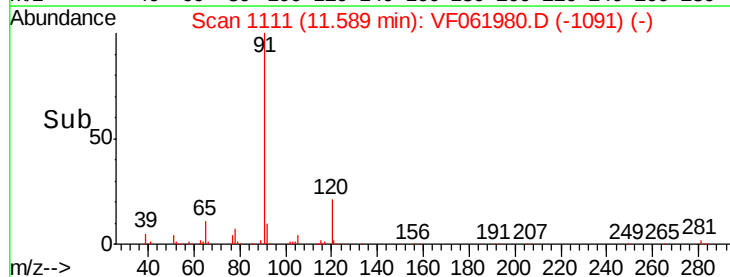
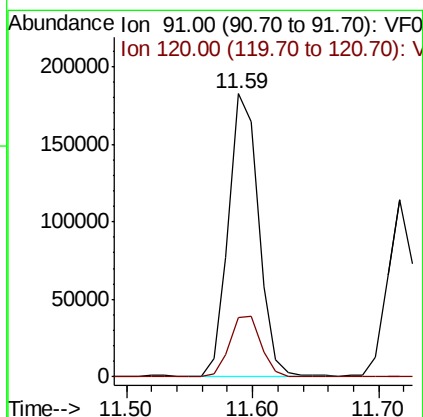
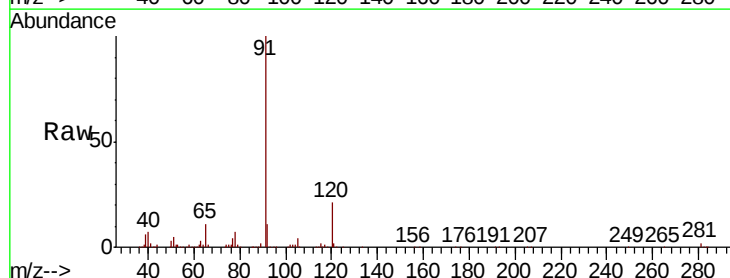
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

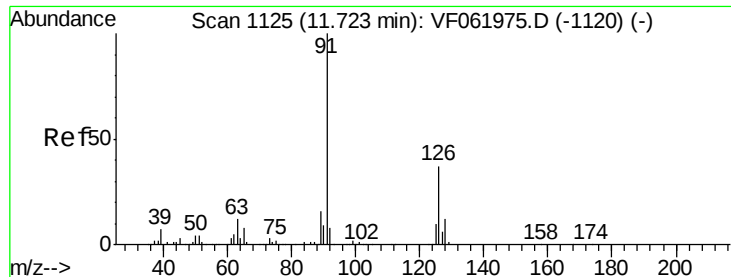
Tgt Ion: 156 Resp: 59664
Ion Ratio Lower Upper
156 100
77 150.2 67.0 201.0
158 96.3 48.9 146.7



#78
n-propylbenzene
Concen: 20.667 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 91 Resp: 303476
Ion Ratio Lower Upper
91 100
120 21.1 11.8 35.3

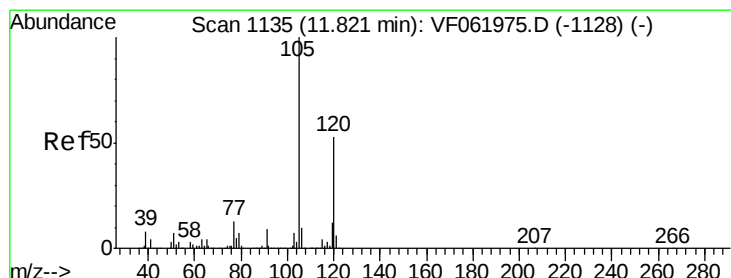
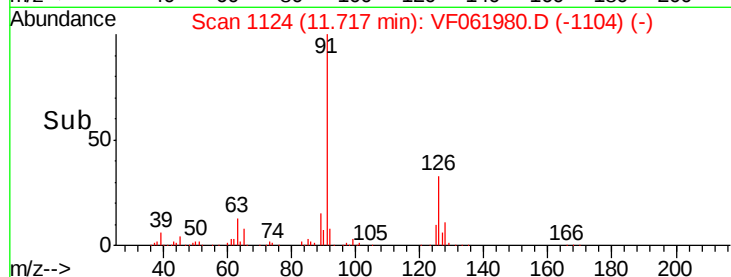
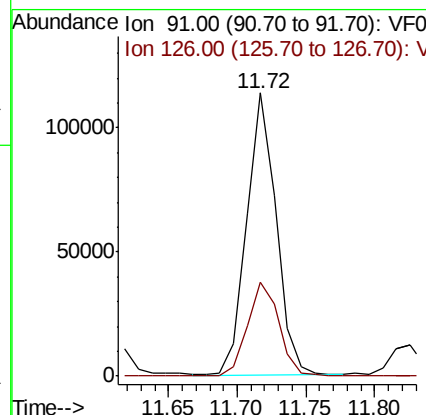
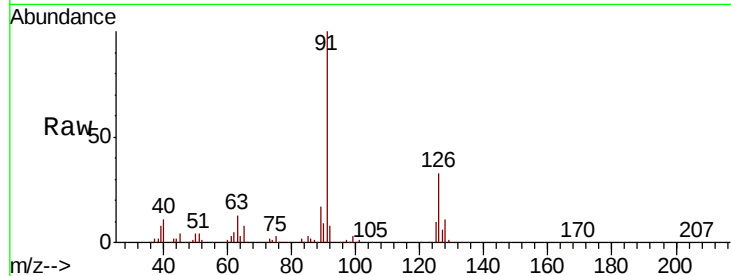




#79
 2-Chlorotoluene
 Concen: 20.526 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

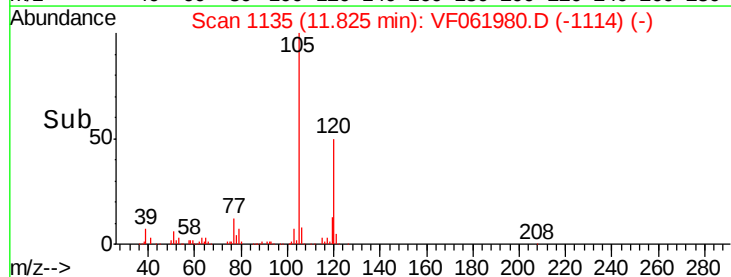
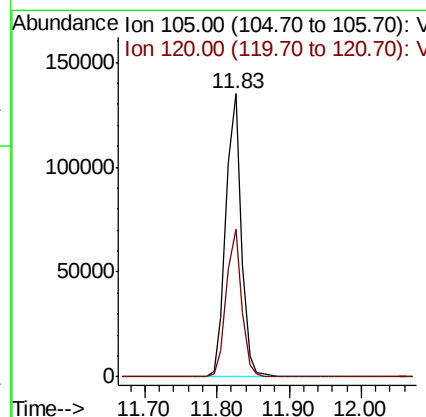
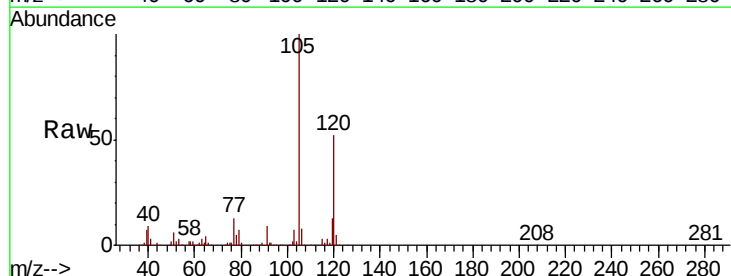
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

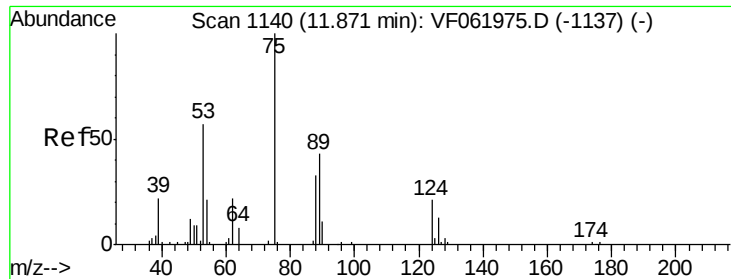
Tgt Ion: 91 Resp: 170129
 Ion Ratio Lower Upper
 91 100
 126 33.1 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 19.382 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion: 105 Resp: 199943
 Ion Ratio Lower Upper
 105 100
 120 52.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 27.732 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

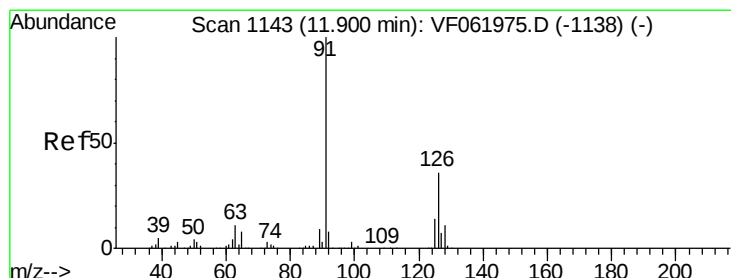
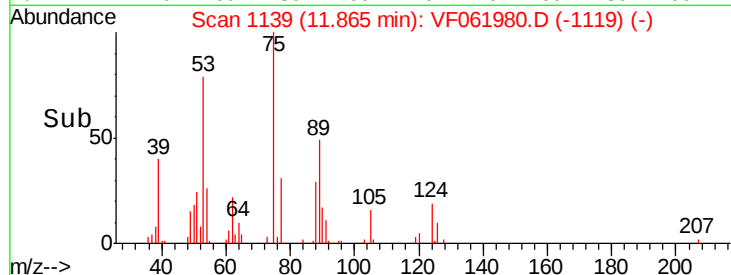
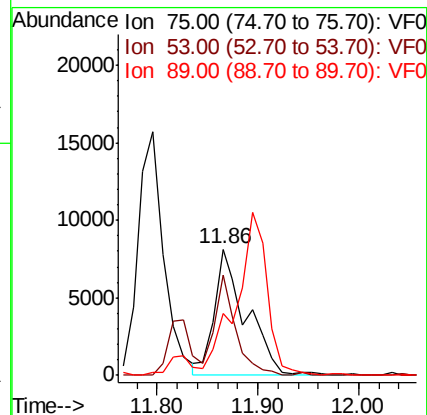
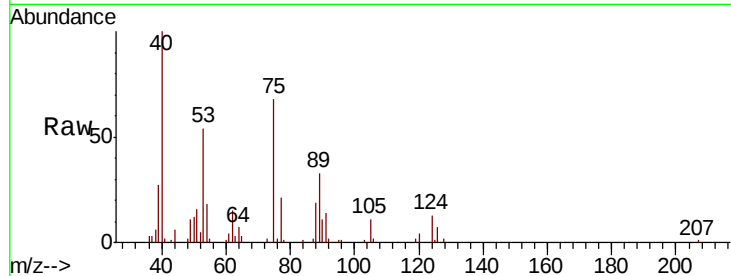
Tgt Ion: 75 Resp: 18083

Ion Ratio Lower Upper

75 100

53 78.9 49.0 73.6#

89 48.5 37.1 55.7



#82

4-Chlorotoluene

Concen: 20.439 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061980.D

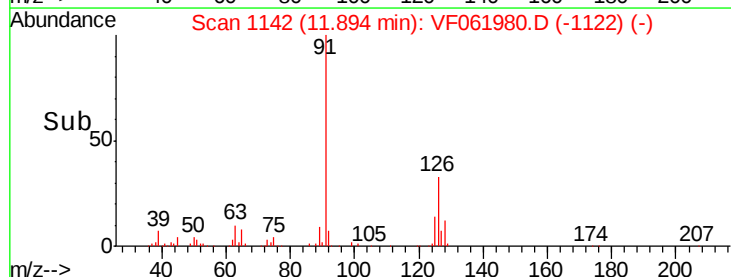
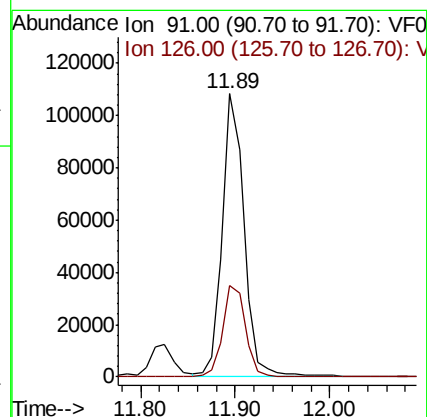
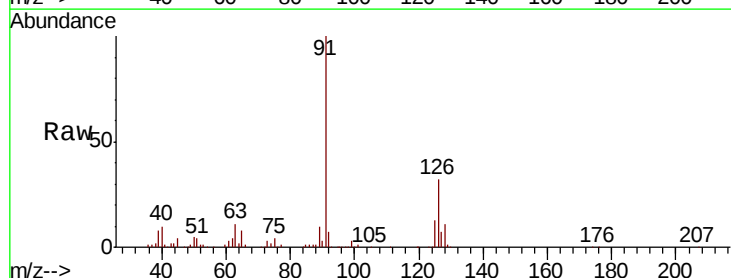
Acq: 16 Mar 2019 17:30

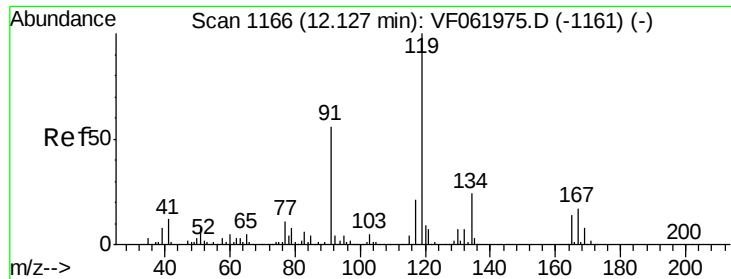
Tgt Ion: 91 Resp: 171312

Ion Ratio Lower Upper

91 100

126 32.2 18.1 54.1

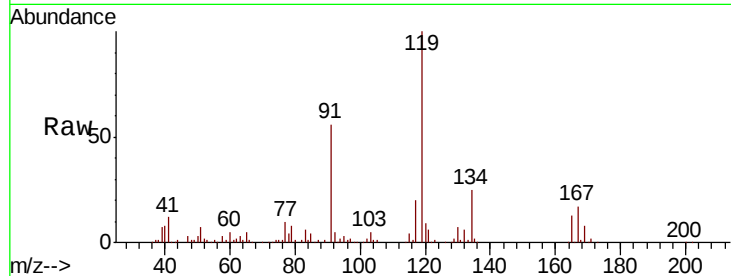




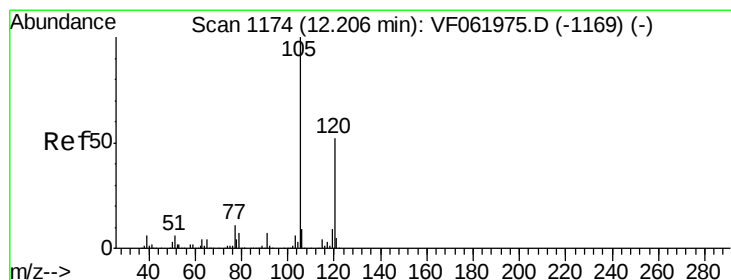
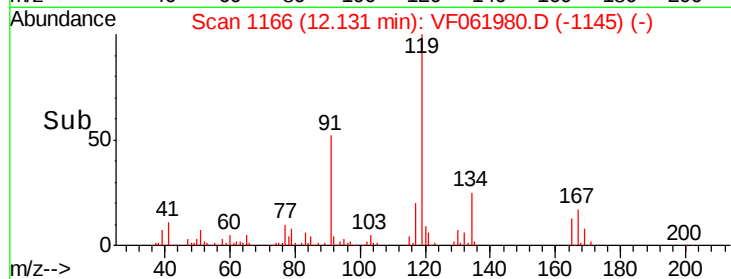
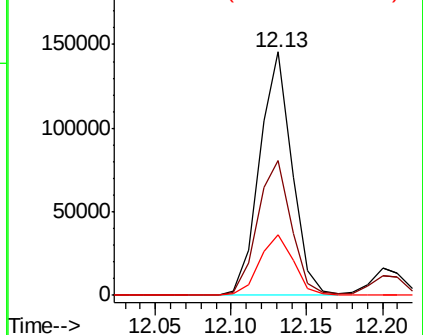
#83
 tert-Butylbenzene
 Concen: 20.293 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tgt Ion:119 Resp: 218929
 Ion Ratio Lower Upper
 119 100
 91 55.5 27.9 83.6
 134 25.0 12.3 36.8

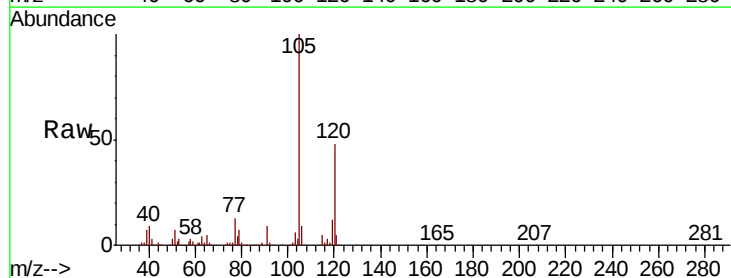


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

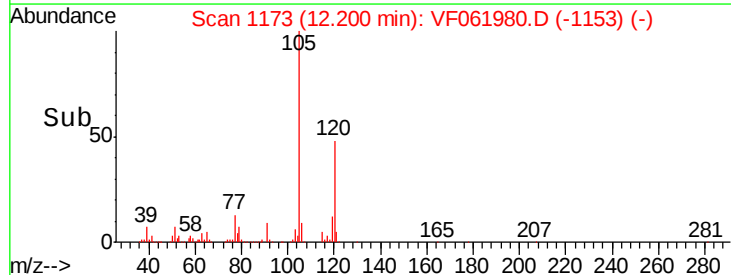
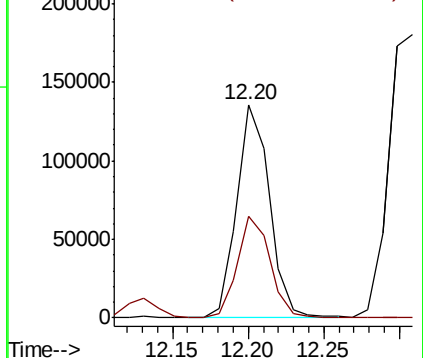


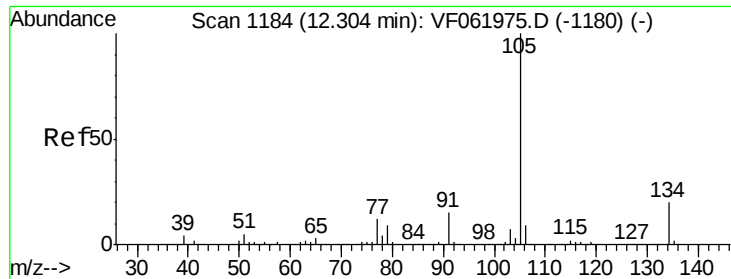
#84
 1,2,4-Trimethylbenzene
 Concen: 19.750 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion:105 Resp: 204070
 Ion Ratio Lower Upper
 105 100
 120 47.7 25.9 77.8



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

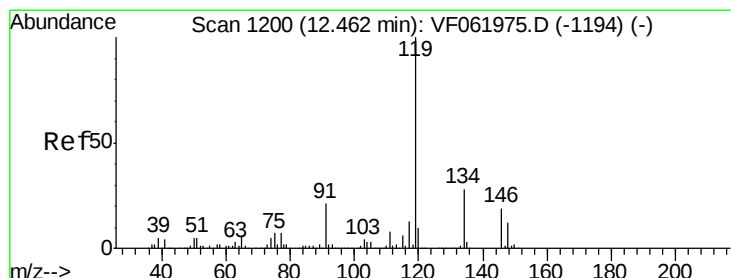
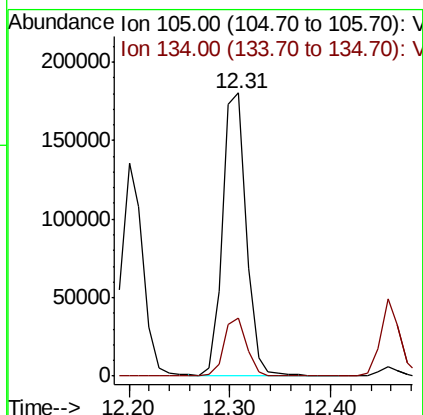
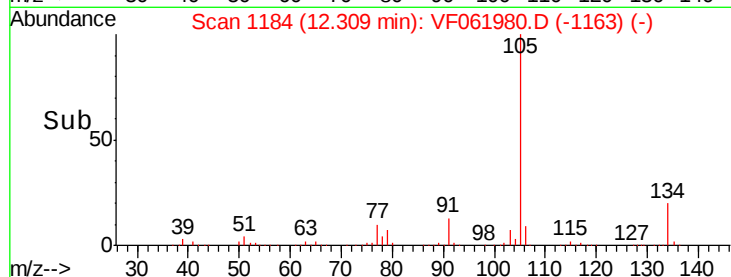
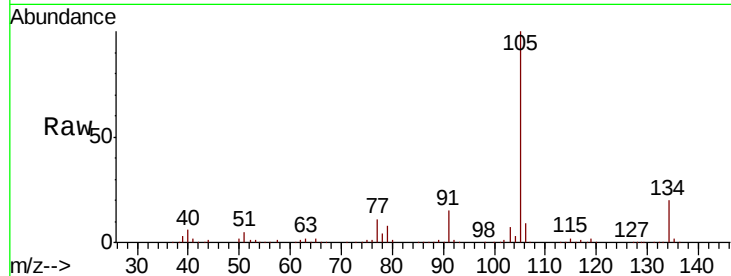




#85
 sec-Butylbenzene
 Concen: 20.220 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

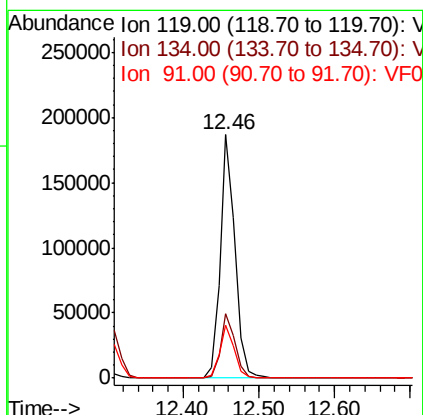
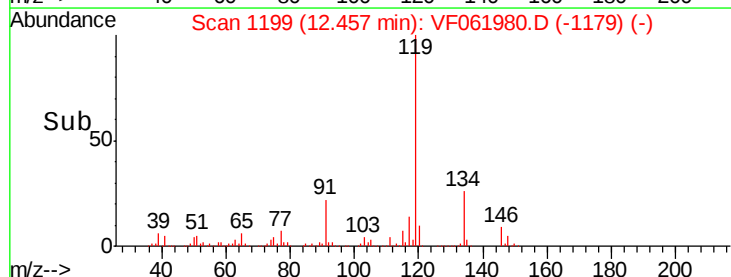
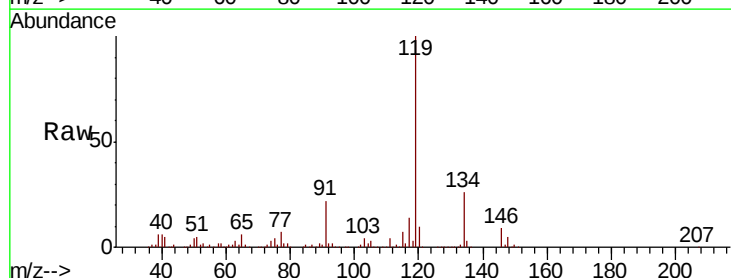
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

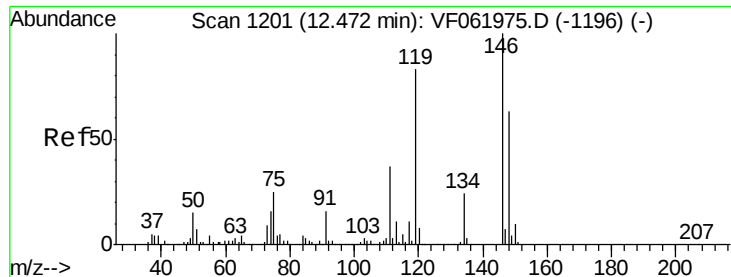
Tgt Ion:105 Resp: 294728
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 21.014 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion:119 Resp: 255584
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.9 41.7
 91 21.7 10.4 31.1

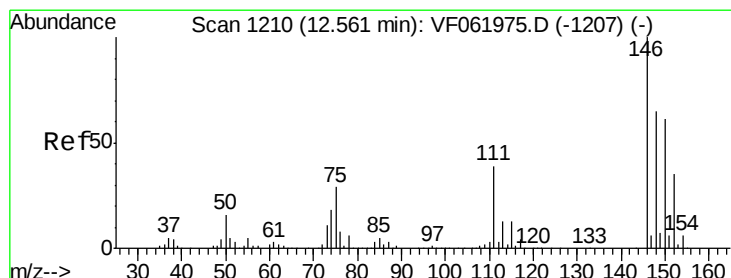
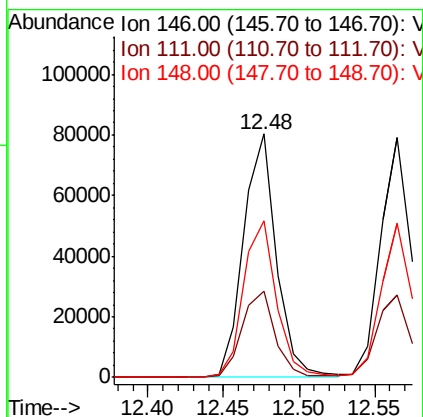
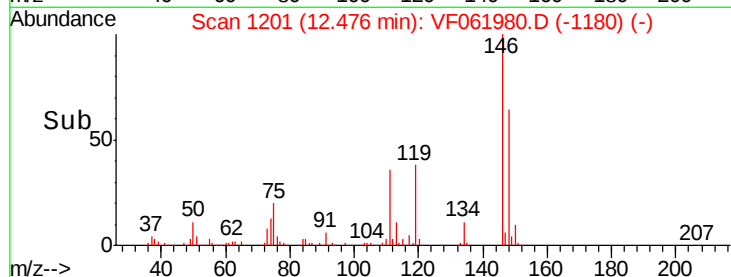
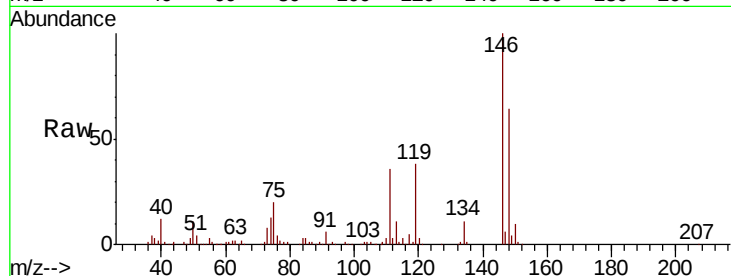




#87
 1,3-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

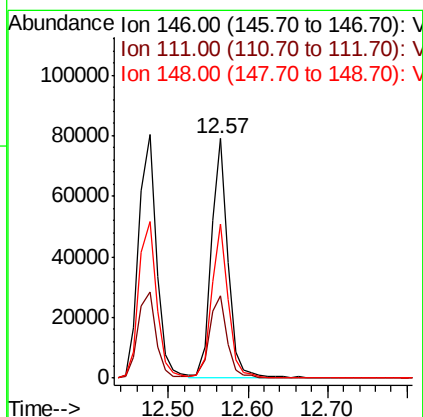
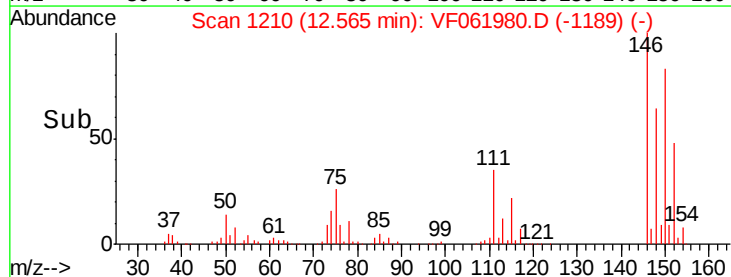
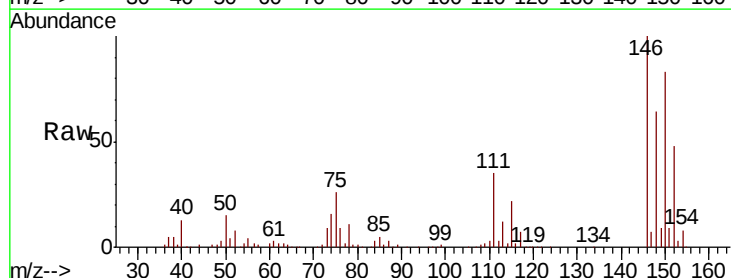
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

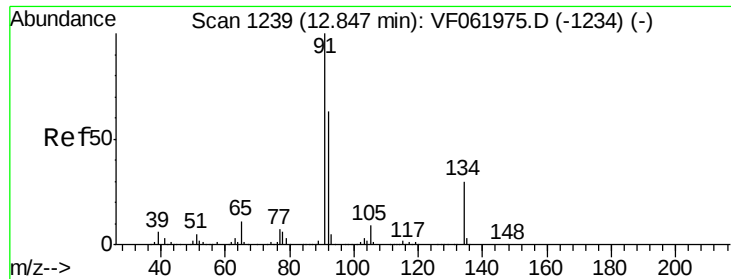
Tgt Ion:146 Resp: 121736
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.6 55.8
 148 64.4 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion:146 Resp: 115810
 Ion Ratio Lower Upper
 146 100
 111 34.5 19.4 58.1
 148 64.5 32.4 97.0

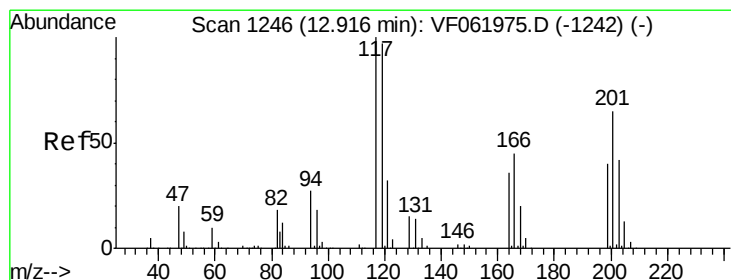
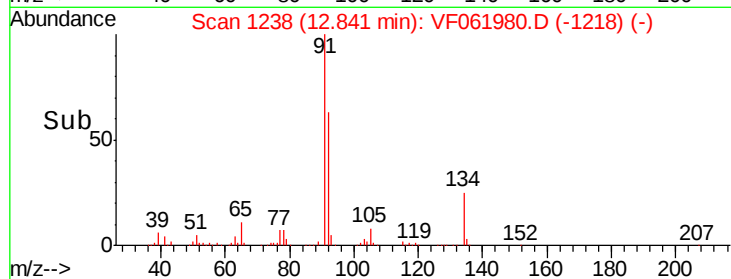
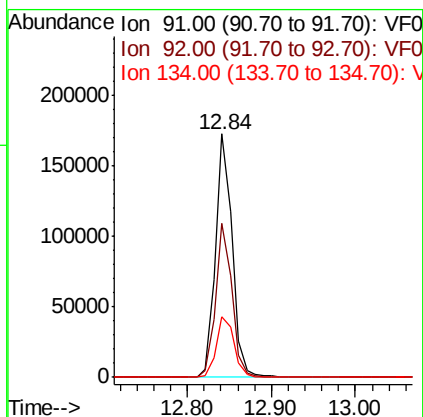
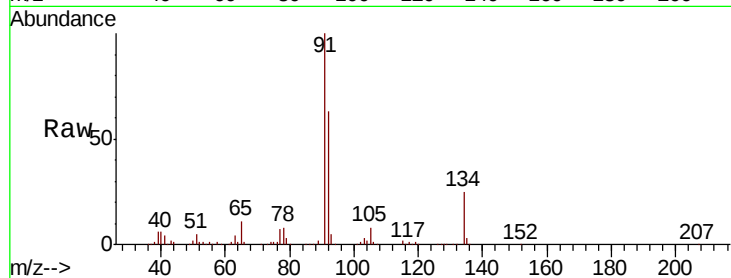




#89
n-Butylbenzene
Concen: 20.809 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

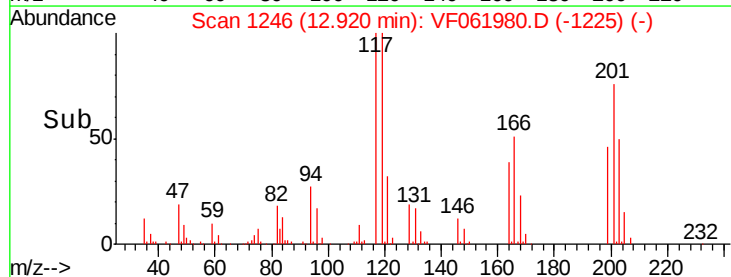
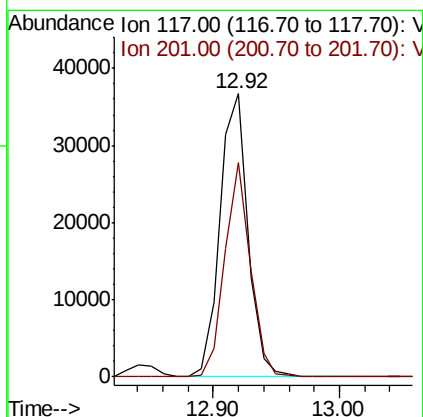
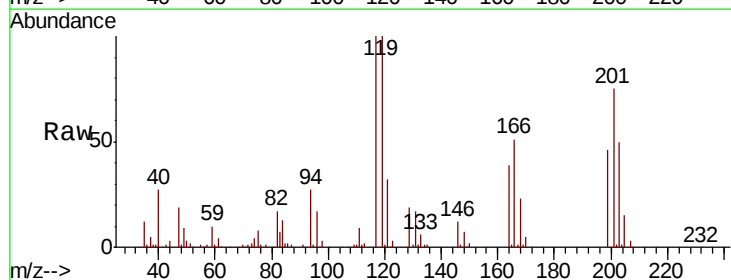
Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

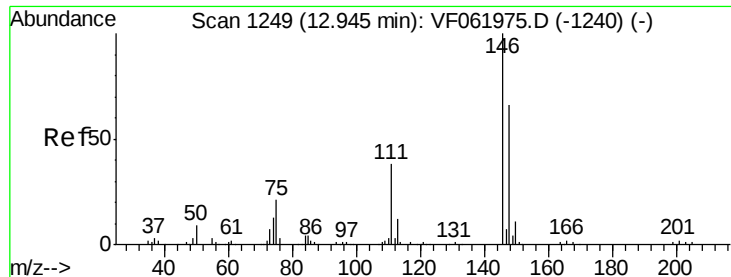
Tgt Ion: 91 Resp: 237822
Ion Ratio Lower Upper
91 100
92 63.1 31.7 95.1
134 24.7 15.1 45.3



#90
Hexachloroethane
Concen: 20.383 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion: 117 Resp: 56575
Ion Ratio Lower Upper
117 100
201 75.7 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 20.621 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VF0316SBS01

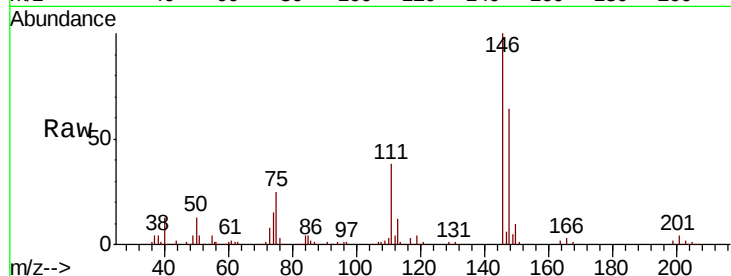
Tgt Ion:146 Resp: 111013

Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.5

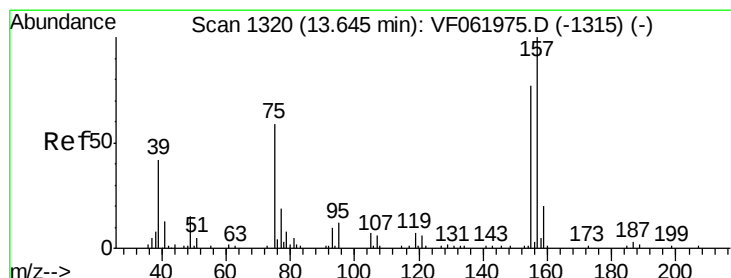
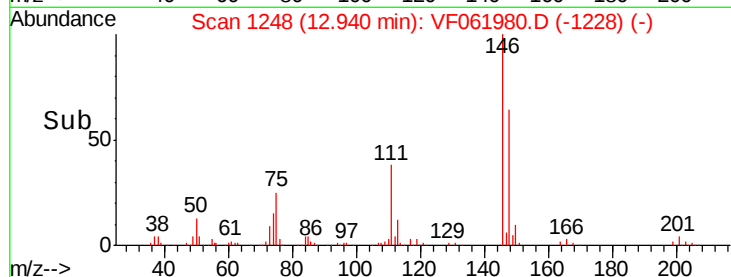
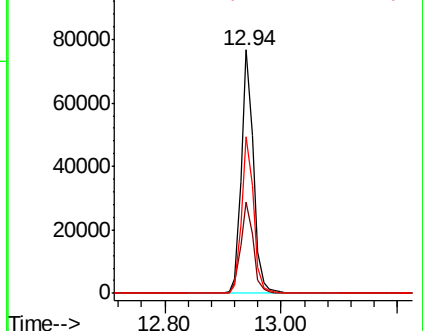
148 64.3 32.9 98.6



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: 16.987 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061980.D

Acq: 16 Mar 2019 17:30

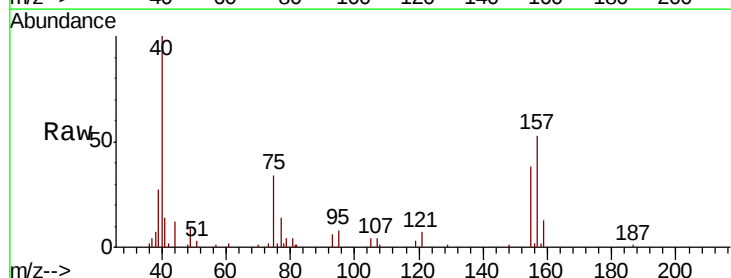
Tgt Ion: 75 Resp: 5746

Ion Ratio Lower Upper

75 100

155 112.7 65.0 195.1

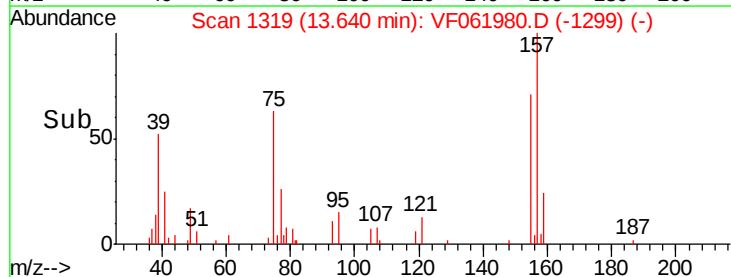
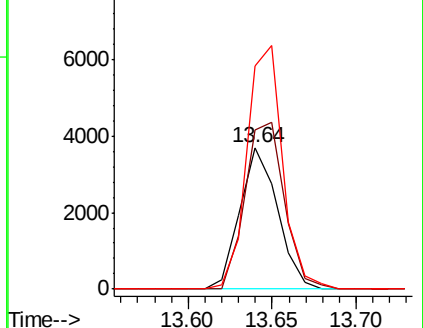
157 158.0 84.7 254.0

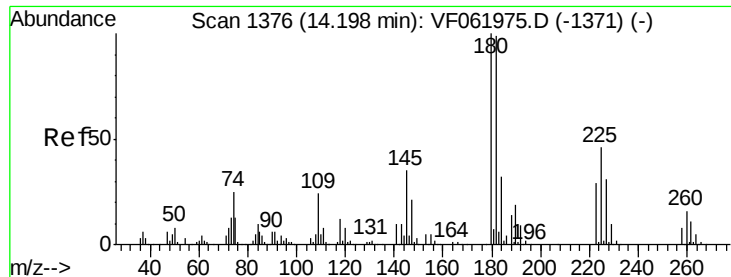


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

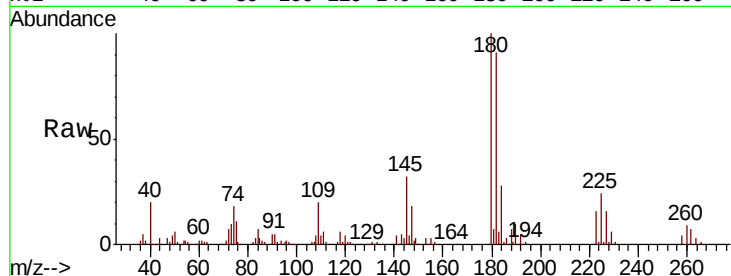




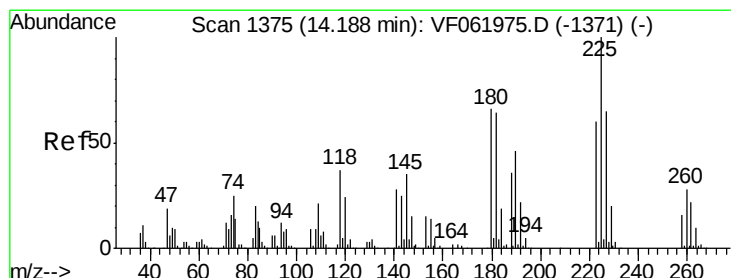
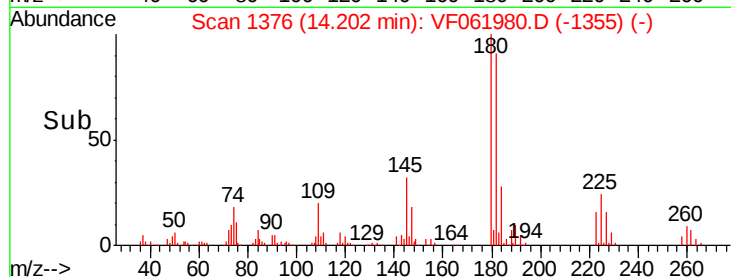
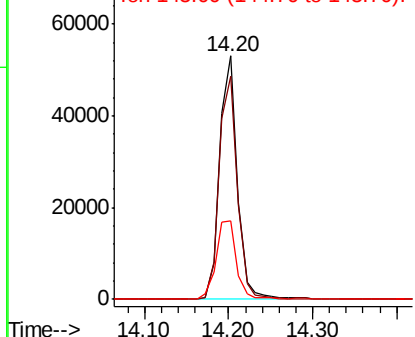
#93
 1,2,4-Trichlorobenzene
 Concen: 20.770 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Tgt Ion:180 Resp: 77864
 Ion Ratio Lower Upper
 180 100
 182 91.4 49.6 149.0
 145 32.2 17.5 52.5

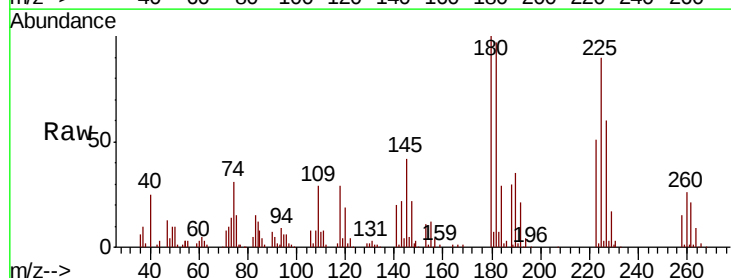


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

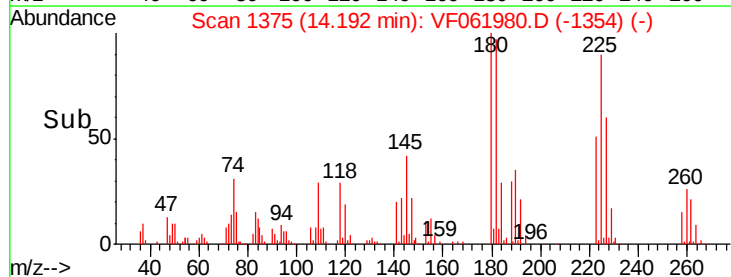
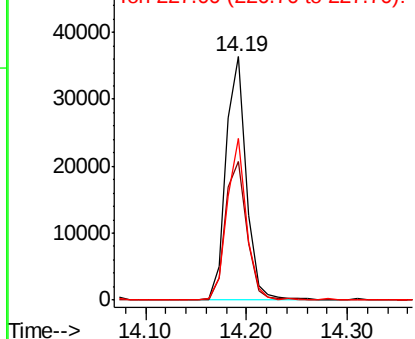


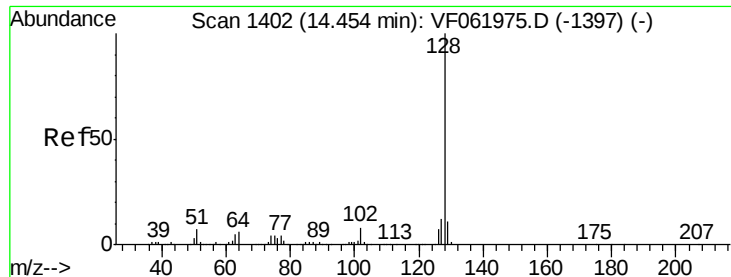
#94
 Hexachlorobutadiene
 Concen: 20.399 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061980.D
 Acq: 16 Mar 2019 17:30

Tgt Ion:225 Resp: 50768
 Ion Ratio Lower Upper
 225 100
 223 57.0 29.9 89.7
 227 66.4 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

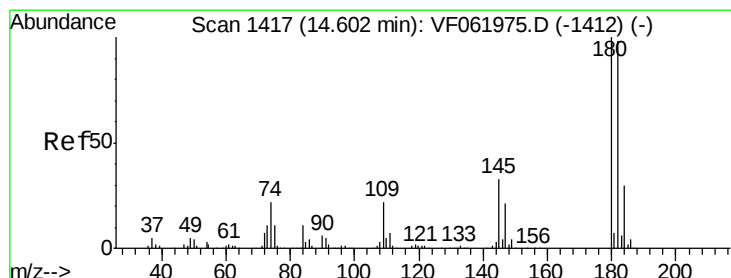
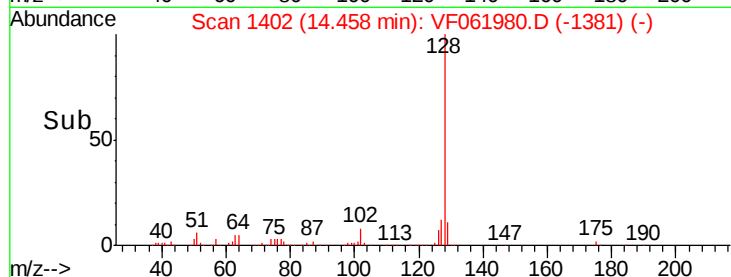
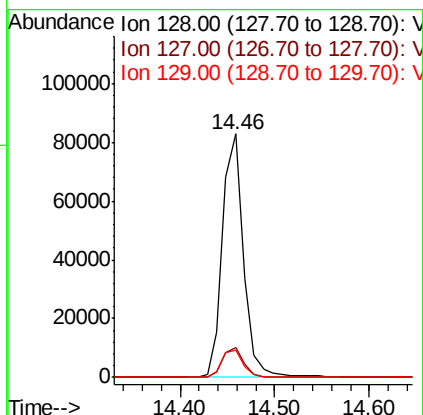
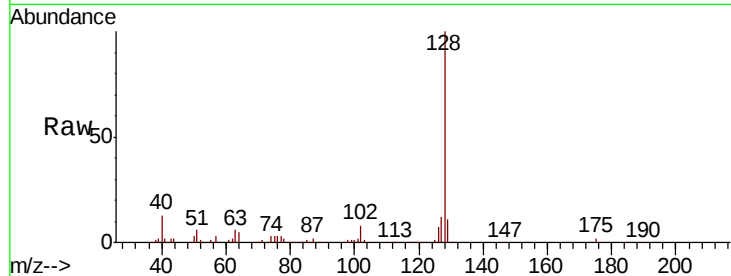




#95
Naphthalene
Concen: 18.985 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VF0316SBS01

Tgt Ion:128 Resp: 128002
Ion Ratio Lower Upper
128 100
127 12.2 9.3 13.9
129 11.2 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 20.153 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061980.D
Acq: 16 Mar 2019 17:30

Tgt Ion:180 Resp: 69506
Ion Ratio Lower Upper
180 100
182 94.2 48.9 146.8
145 29.4 16.7 50.1

