

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061978.D
 Acq On : 16 Mar 2019 15:54
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF031619

Quant Time: Mar 18 07:31:40 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	267826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	403415	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	347569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	180271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	100601	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	4.11	113	141765	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	7.55	98	420318	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.41	95	164595	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	123545	43.271	ug/l	99
3) Chloromethane	1.09	50	129830	44.747	ug/l	90
4) Vinyl Chloride	1.14	62	128168	45.674	ug/l	93
5) Bromomethane	1.32	94	92783	47.067	ug/l	94
6) Chloroethane	1.39	64	66681	46.030	ug/l	94
7) Trichlorofluoromethane	1.48	101	170134	45.764	ug/l	96
8) Diethyl Ether	1.63	74	42857	51.856	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	119700	45.699	ug/l	96
10) Methyl Iodide	1.90	142	167053	36.440	ug/l	100
11) Tert butyl alcohol	2.57	59	29568	250.638	ug/l	97
12) 1,1-Dichloroethene	1.79	96	105478	46.662	ug/l	93
13) Acrolein	2.00	56	42784	335.948	ug/l	88
14) Allyl chloride	2.09	41	129122	44.749	ug/l	94
15) Acrylonitrile	2.94	53	88264	246.036	ug/l	94
16) Acetone	2.24	43	121274	280.129	ug/l	99
17) Carbon Disulfide	1.76	76	52141	7.976	ug/l	99
18) Methyl Acetate	2.42	43	45427	51.290	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	202548	49.450	ug/l	97
20) Methylene Chloride	2.25	84	56343	25.279	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	103575	43.908	ug/l	98
22) Diisopropyl ether	2.80	45	325732	46.932	ug/l	99
23) Vinyl Acetate	3.18	43	697783	255.036	ug/l	97
24) 1,1-Dichloroethane	2.87	63	192462	47.691	ug/l	99
25) 2-Butanone	4.33	43	211481	246.658	ug/l	100
26) 2,2-Dichloropropane	3.59	77	85664	45.002	ug/l	90
27) cis-1,2-Dichloroethene	3.47	96	145414	48.908	ug/l	98
28) Bromochloromethane	3.71	49	81046	48.399	ug/l	98
29) Tetrahydrofuran	4.06	42	86859	232.945	ug/l	98
30) Chloroform	3.85	83	210026	45.932	ug/l	98
31) Cyclohexane	3.69	56	126733	32.053	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	142811	47.029	ug/l	95
36) 1,1-Dichloropropene	4.28	75	171684	47.127	ug/l	96
37) Ethyl Acetate	4.10	43	76833	46.971	ug/l	99
38) Carbon Tetrachloride	3.97	117	125299	47.062	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	186637	43.639	ug/l	96
40) Benzene	4.62	78	449816	46.598	ug/l	99
41) Methacrylonitrile	4.74	41	42916	49.106	ug/l	93
42) 1,2-Dichloroethane	4.94	62	117854	49.044	ug/l	100
43) Isopropyl Acetate	6.95	43	96917	50.077	ug/l #	94
44) Trichloroethene	5.50	130	136628	46.203	ug/l	97
45) 1,2-Dichloropropane	6.23	63	108297	47.405	ug/l	90
46) Dibromomethane	6.08	93	68215	50.195	ug/l	97
47) Bromodichloromethane	6.38	83	157078	49.026	ug/l	98
48) Methyl methacrylate	6.71	41	60878	48.671	ug/l	88
49) 1,4-Dioxane	6.69	88	10988	987.597	ug/l #	63
51) 4-Methyl-2-Pentanone	8.25	43	342263	249.041	ug/l	94
52) Toluene	7.62	92	280682	47.589	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	136402	50.427	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	177806	50.379	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	81504	49.512	ug/l	93
56) Ethyl methacrylate	8.62	69	93290	49.853	ug/l	96
57) 1,3-Dichloropropane	8.85	76	128243	46.702	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	83952	247.689	ug/l	98
59) 2-Hexanone	9.49	43	252180	253.547	ug/l	98
60) Dibromochloromethane	8.72	129	116957	51.178	ug/l	97
61) 1,2-Dibromoethane	8.98	107	88795	50.287	ug/l	100
64) Tetrachloroethene	8.14	164	118859	47.046	ug/l	96
65) Chlorobenzene	9.79	112	301819	46.641	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	123958	49.419	ug/l	97
67) Ethyl Benzene	9.90	91	514909	46.472	ug/l	99
68) m/p-Xylenes	10.13	106	390139	93.620	ug/l	95
69) o-Xylene	10.71	106	216479	48.548	ug/l	96
70) Styrene	10.79	104	299608	48.499	ug/l	99
71) Bromoform	10.77	173	64881	51.138	ug/l	97
73) Isopropylbenzene	11.12	105	624122	50.113	ug/l	100
74) N-amyl acetate	11.37	43	148411	52.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	105593	51.366	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	73491	51.125	ug/l	99
77) Bromobenzene	11.50	156	140845	48.834	ug/l	98
78) n-propylbenzene	11.60	91	685861	47.894	ug/l	99
79) 2-Chlorotoluene	11.71	91	380194	47.035	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	491363	48.842	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	45499	71.548	ug/l	97
82) 4-Chlorotoluene	11.90	91	389635	47.666	ug/l	99
83) tert-Butylbenzene	12.13	119	526965	50.086	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	478354	47.471	ug/l	98
85) sec-Butylbenzene	12.31	105	674295	47.435	ug/l	97
86) p-Isopropyltoluene	12.46	119	577790	48.711	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	265884	46.905	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	256113	46.941	ug/l	98
89) n-Butylbenzene	12.84	91	564158	50.616	ug/l	96
90) Hexachloroethane	12.92	117	137012	50.615	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	264407	50.362	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17343	52.573	ug/l	94

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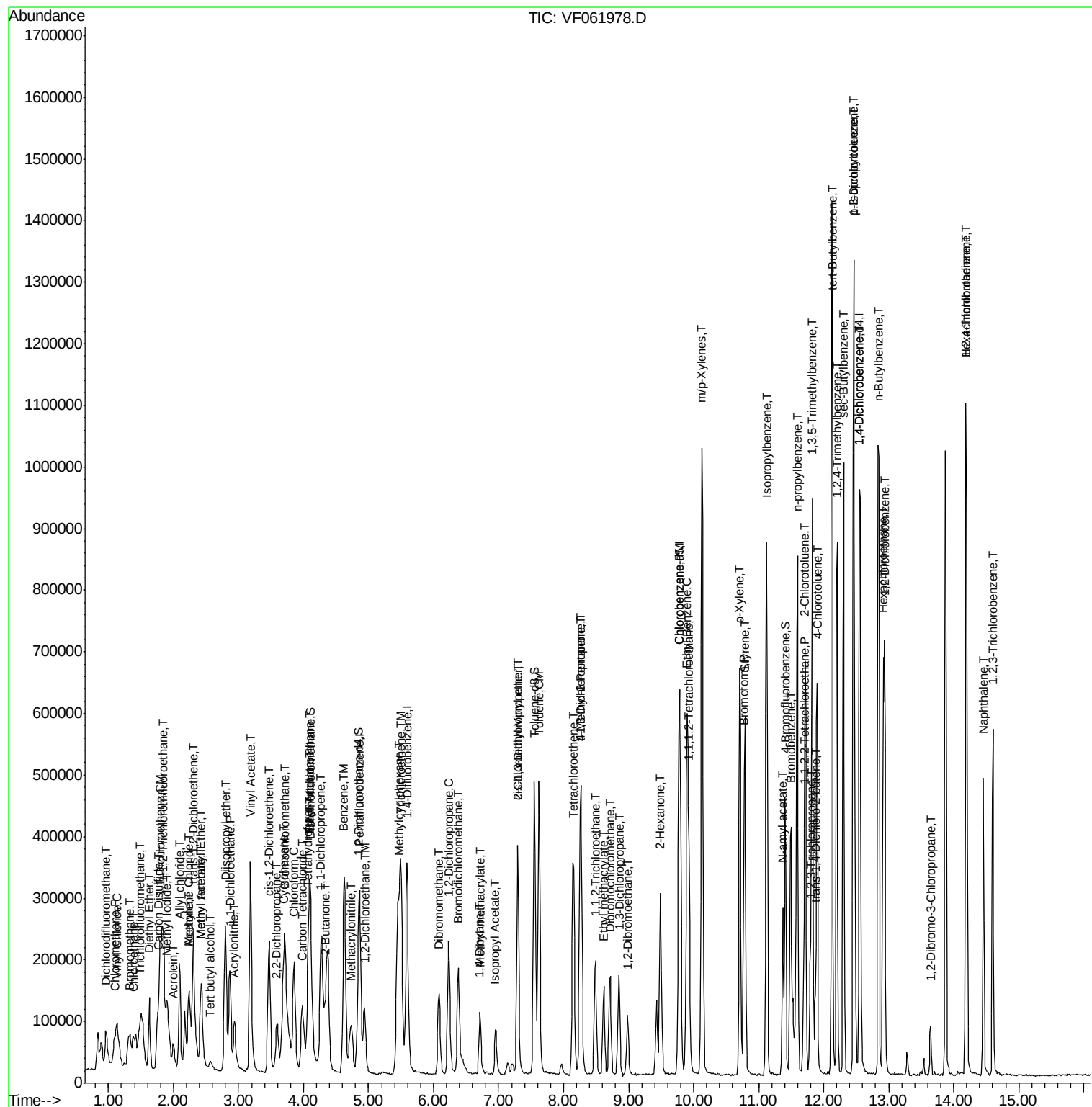
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	185319	50.689	ug/l	97
94) Hexachlorobutadiene	14.19	225	118785	48.941	ug/l	98
95) Naphthalene	14.46	128	335505	51.024	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	173818	51.677	ug/l	99

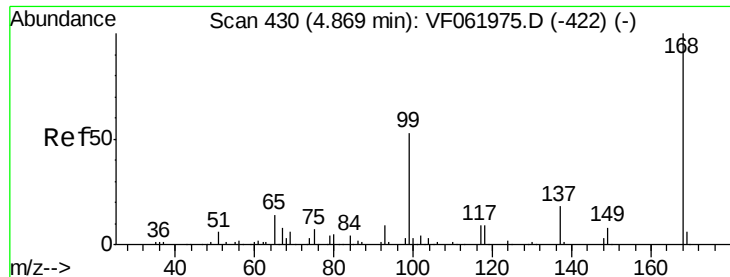
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

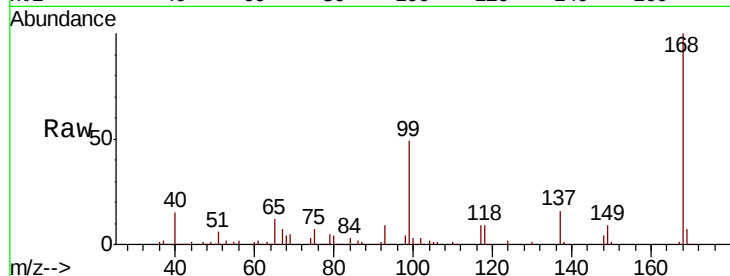
ICVVF031619

Tgt Ion:168 Resp: 267826

Ion Ratio Lower Upper

168 100

99 49.1 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

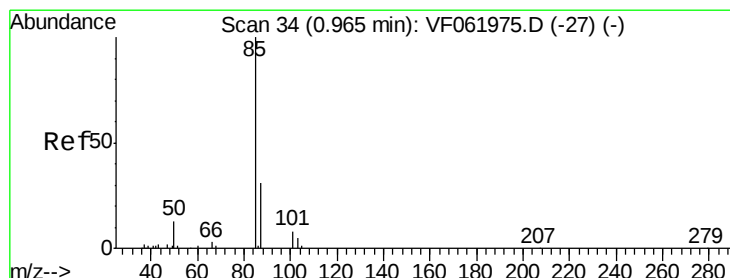
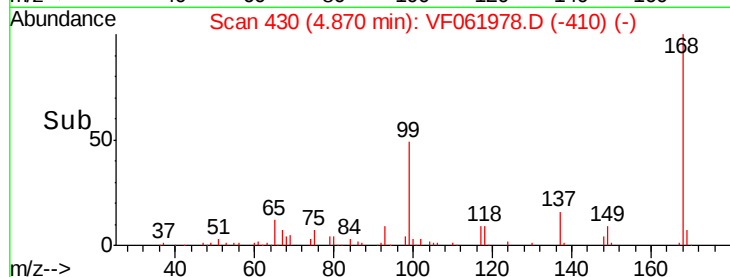
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 43.271 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061978.D

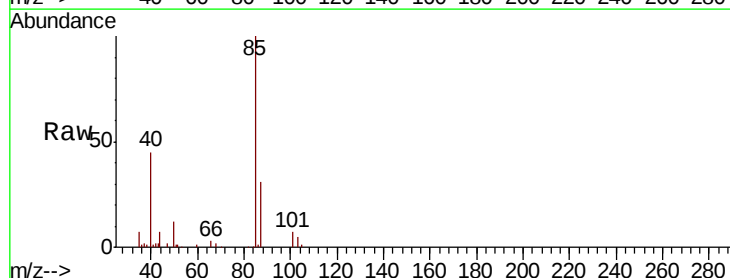
Acq: 16 Mar 2019 15:54

Tgt Ion: 85 Resp: 123545

Ion Ratio Lower Upper

85 100

87 31.3 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

30000

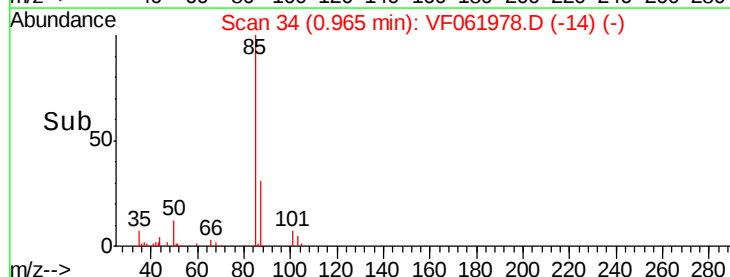
20000

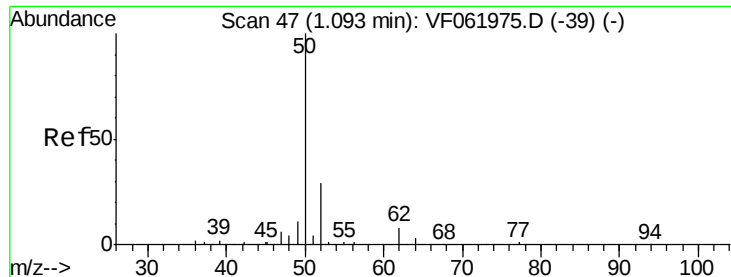
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 44.747 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

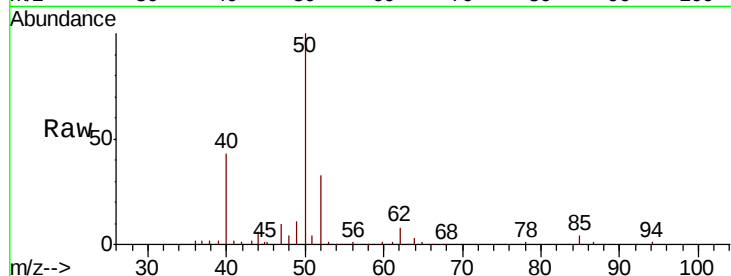
ICVVF031619

Tgt Ion: 50 Resp: 129830

Ion Ratio Lower Upper

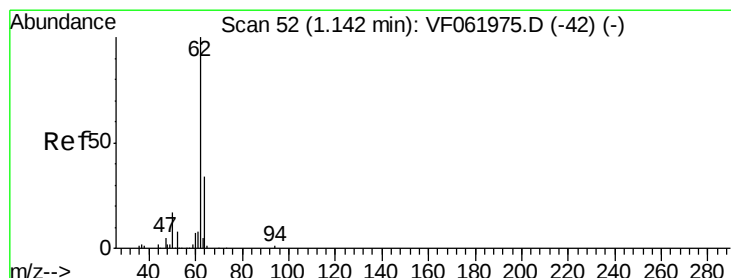
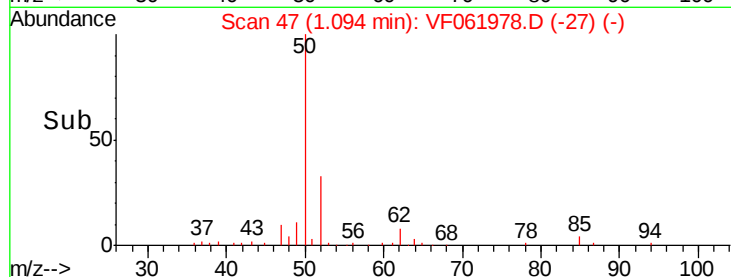
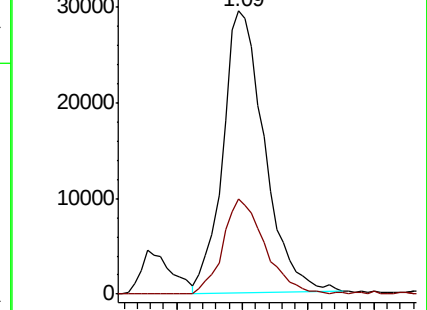
50 100

52 33.4 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: 45.674 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061978.D

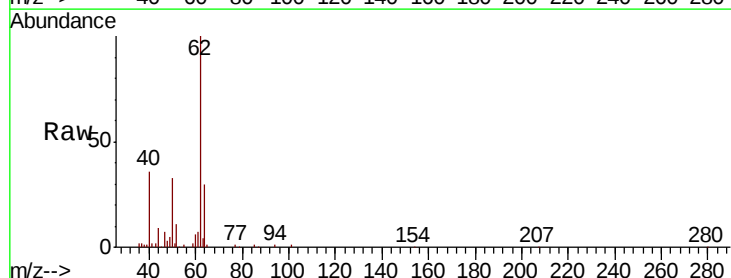
Acq: 16 Mar 2019 15:54

Tgt Ion: 62 Resp: 128168

Ion Ratio Lower Upper

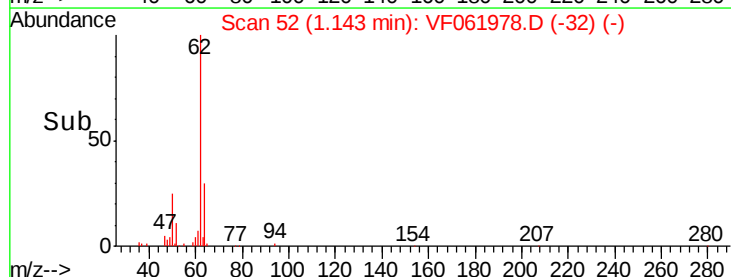
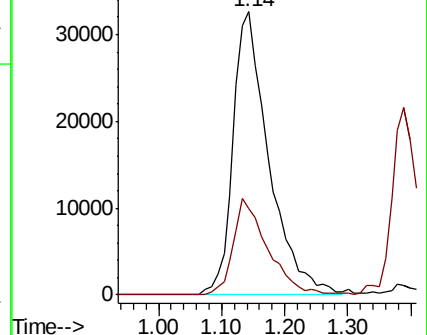
62 100

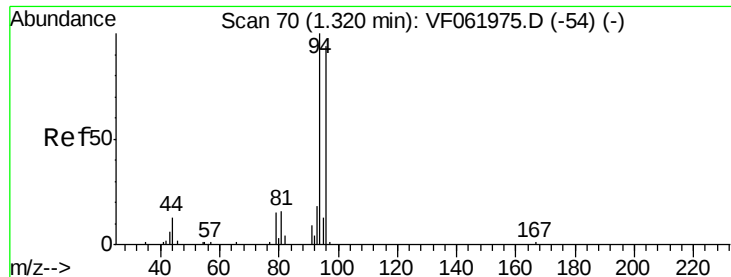
64 30.3 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 47.067 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

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ClientSampleId :

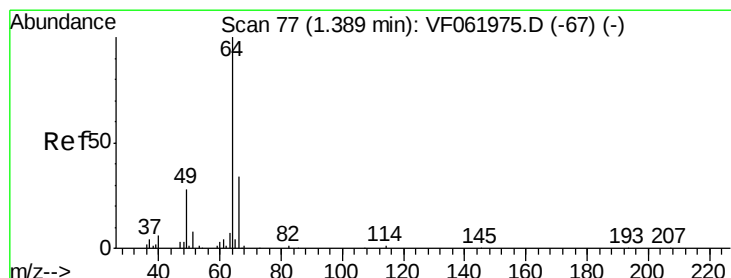
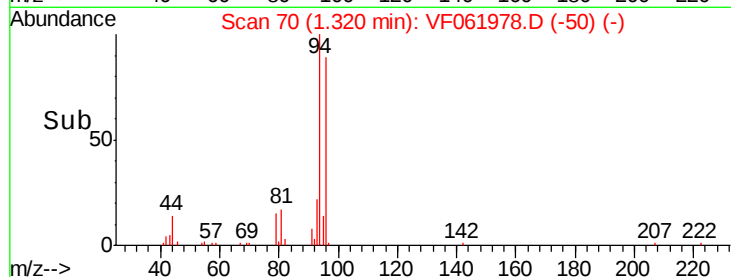
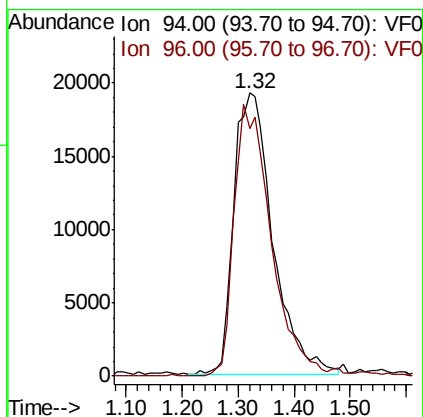
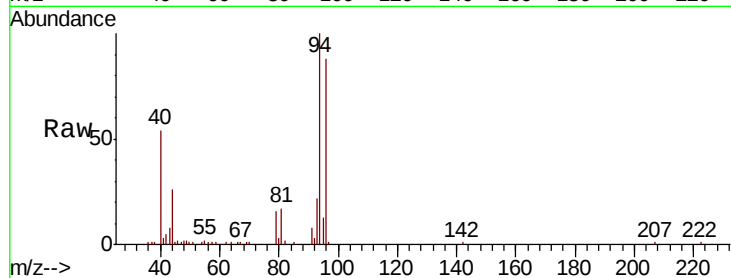
ICVVF031619

Tgt Ion: 94 Resp: 92783

Ion Ratio Lower Upper

94 100

96 87.6 75.0 112.6



#6

Chloroethane

Concen: 46.030 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061978.D

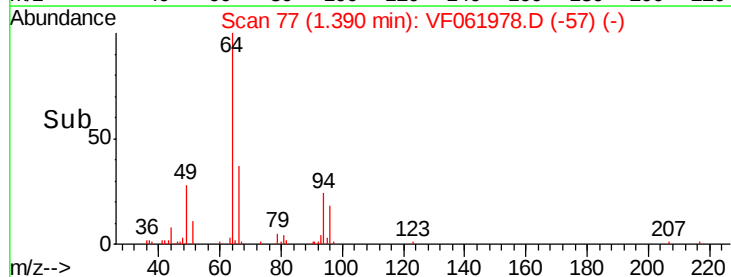
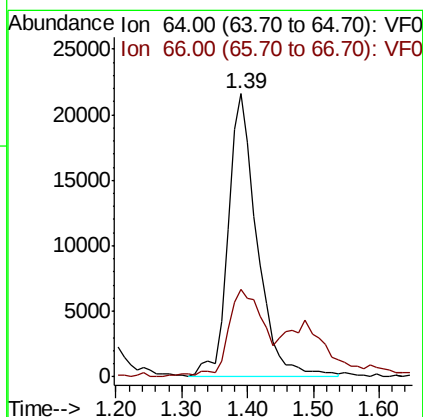
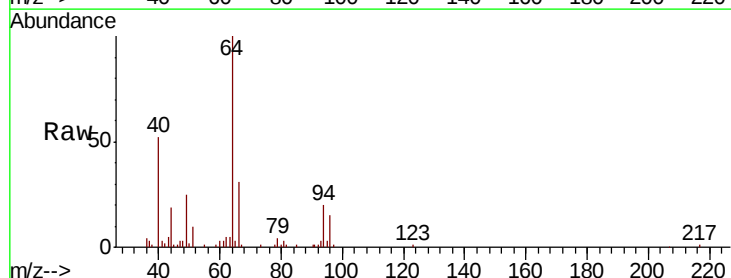
Acq: 16 Mar 2019 15:54

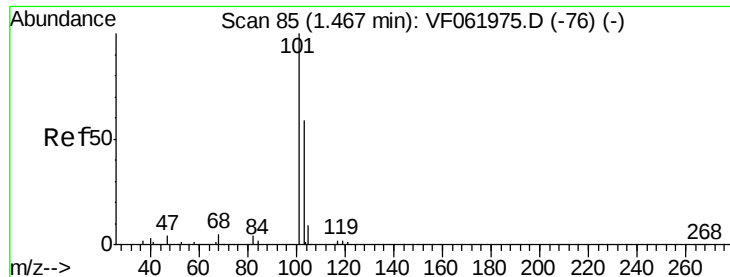
Tgt Ion: 64 Resp: 66681

Ion Ratio Lower Upper

64 100

66 30.8 27.6 41.4





#7

Trichlorofluoromethane

Concen: 45.764 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

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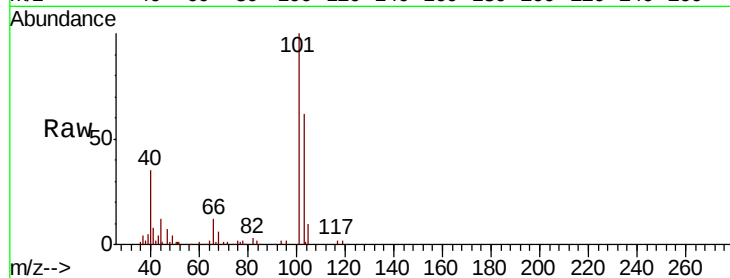
ICVVF031619

Tgt Ion:101 Resp: 170134

Ion Ratio Lower Upper

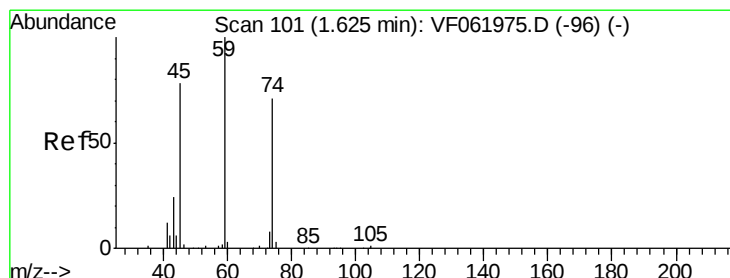
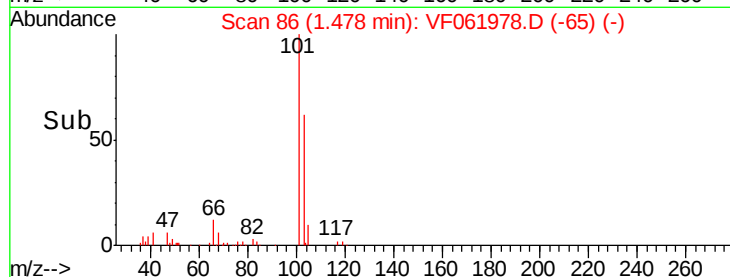
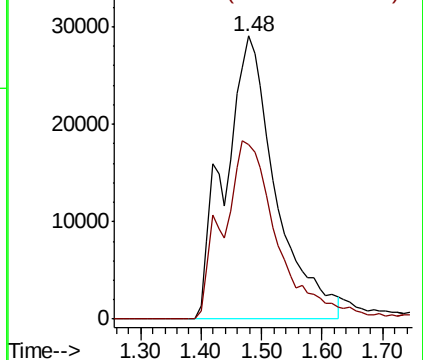
101 100

103 61.9 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.856 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061978.D

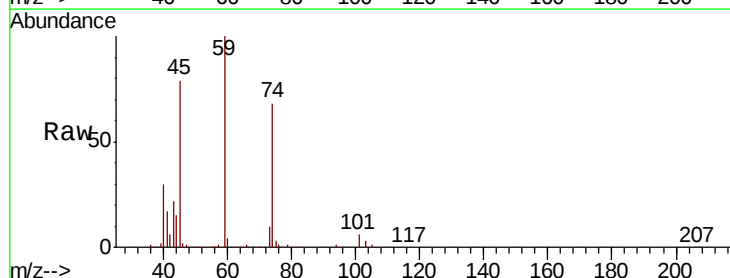
Acq: 16 Mar 2019 15:54

Tgt Ion: 74 Resp: 42857

Ion Ratio Lower Upper

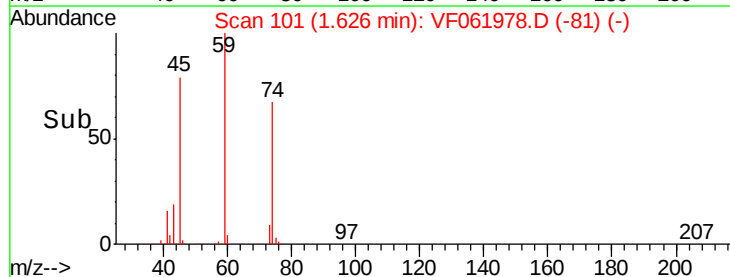
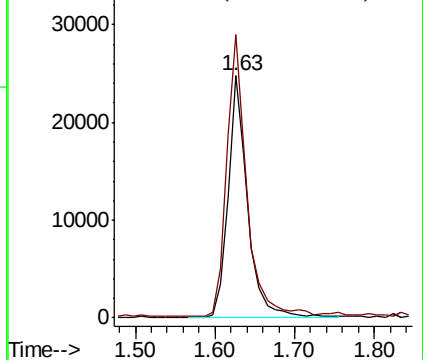
74 100

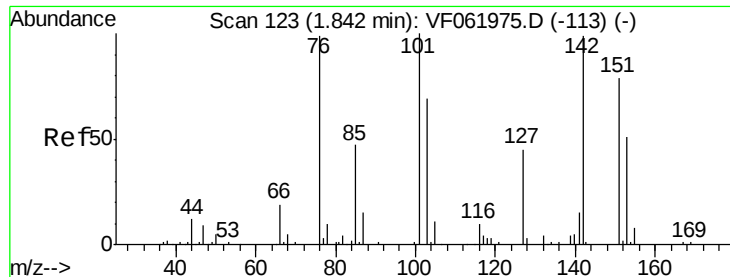
45 117.0 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.699 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

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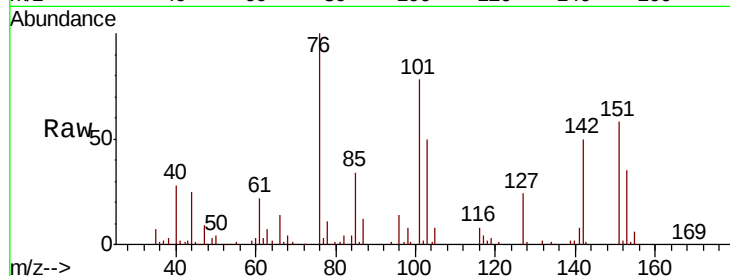
Tgt Ion:101 Resp: 119700

Ion Ratio Lower Upper

101 100

85 43.2 36.8 55.2

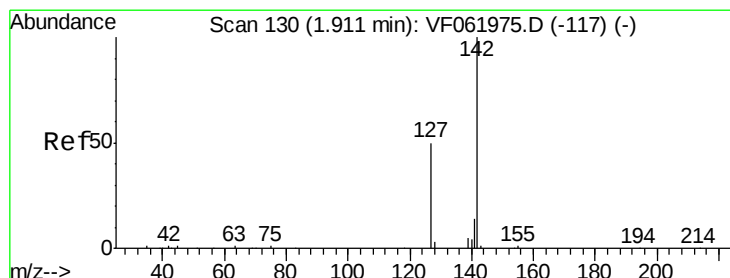
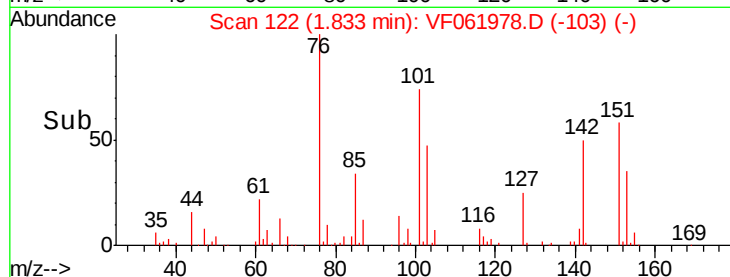
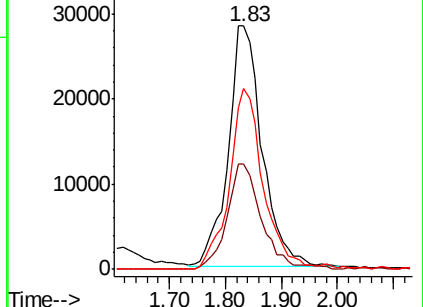
151 74.3 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 36.440 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

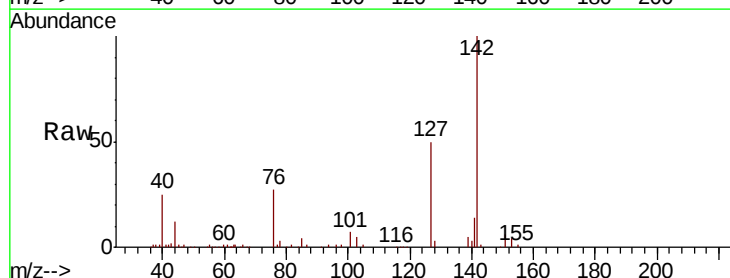
Tgt Ion:142 Resp: 167053

Ion Ratio Lower Upper

142 100

127 49.8 39.7 59.5

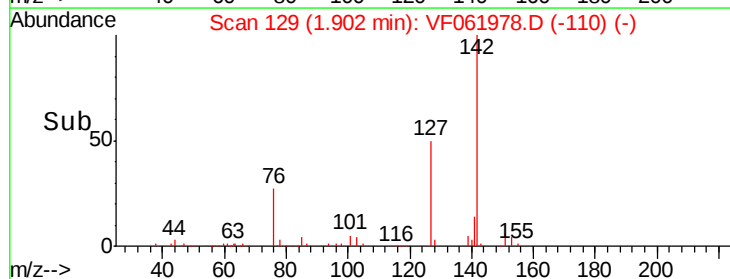
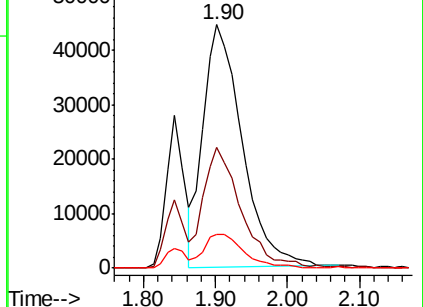
141 13.6 10.8 16.2

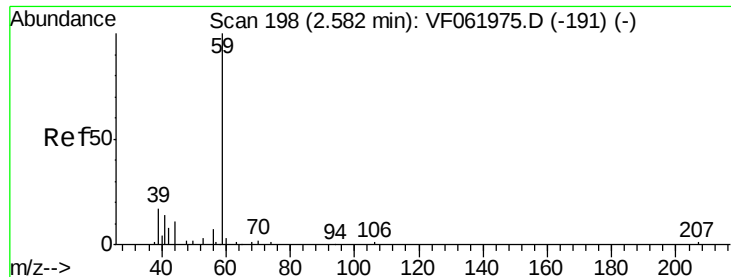


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

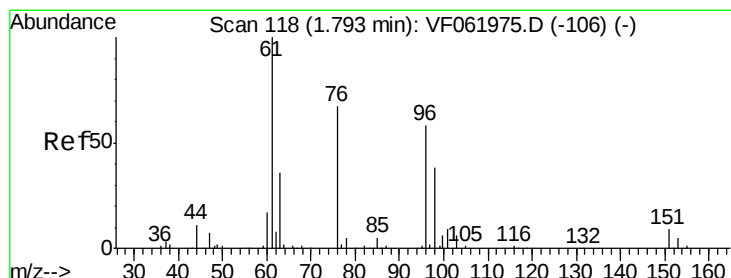
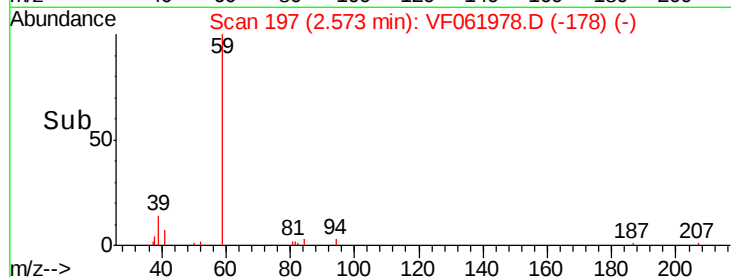
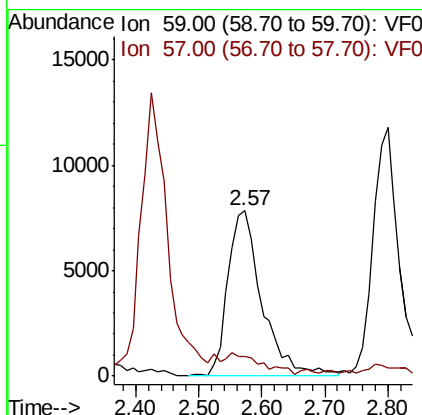
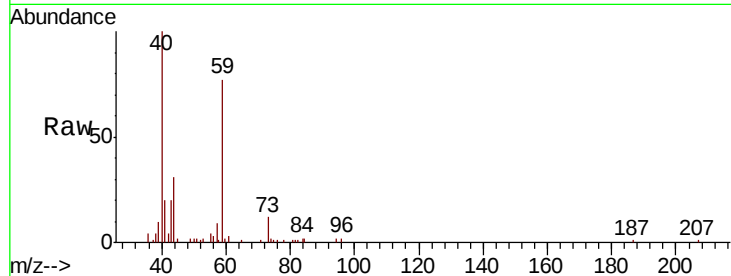




#11
Tert butyl alcohol
Concen: 250.638 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

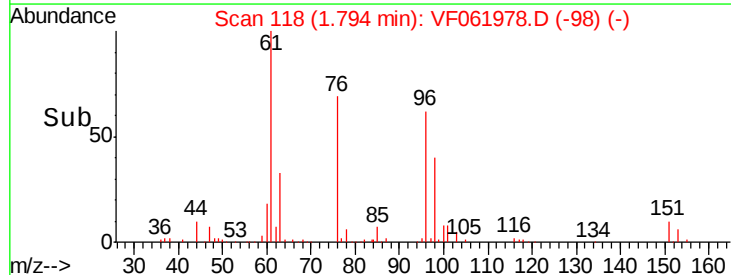
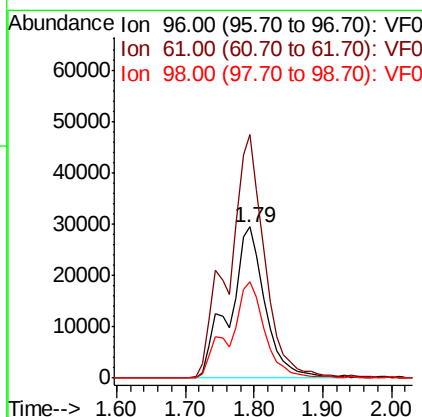
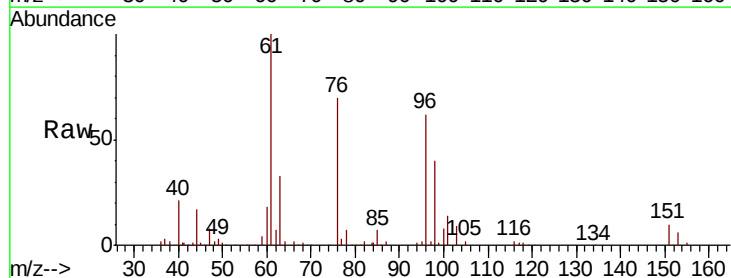
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

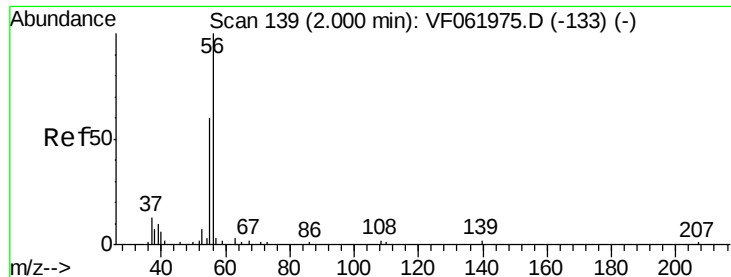
Tgt Ion: 59 Resp: 29568
Ion Ratio Lower Upper
59 100
57 12.1 8.7 13.1



#12
1,1-Dichloroethene
Concen: 46.662 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 96 Resp: 105478
Ion Ratio Lower Upper
96 100
61 161.0 138.6 208.0
98 64.0 53.2 79.8





#13

Acrolein

Concen: 335.948 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

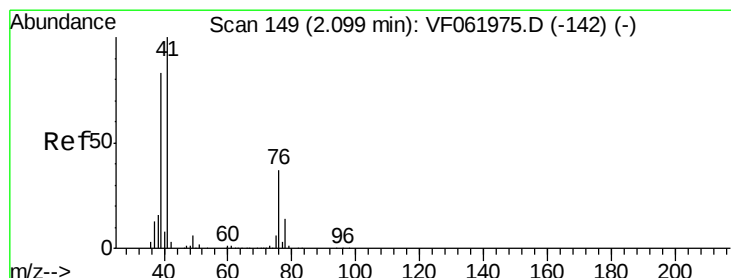
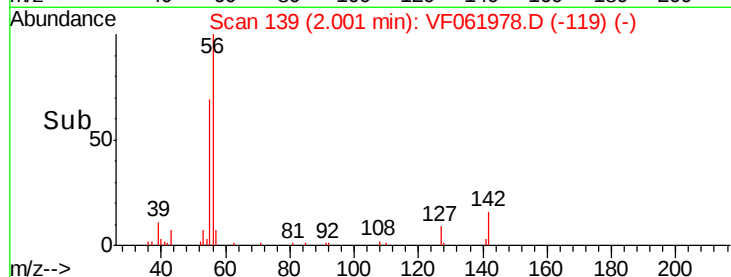
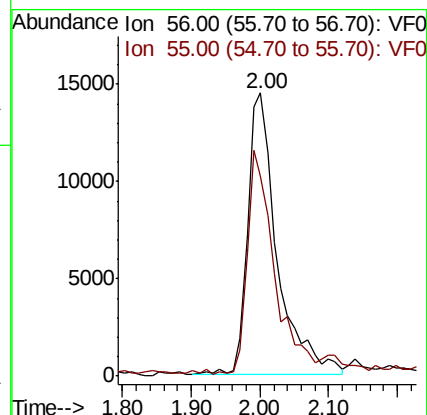
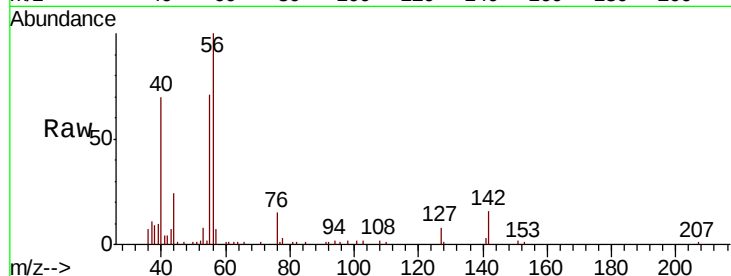
ICVVF031619

Tgt Ion: 56 Resp: 42784

Ion Ratio Lower Upper

56 100

55 70.5 49.1 73.7



#14

Allyl chloride

Concen: 44.749 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

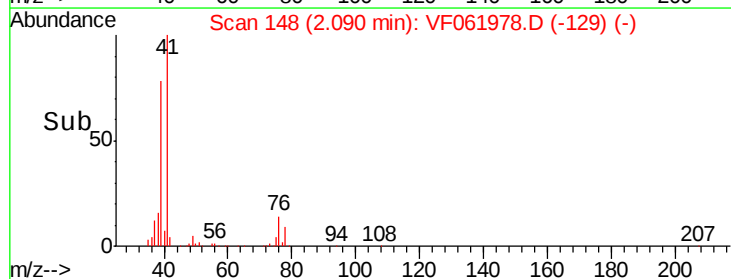
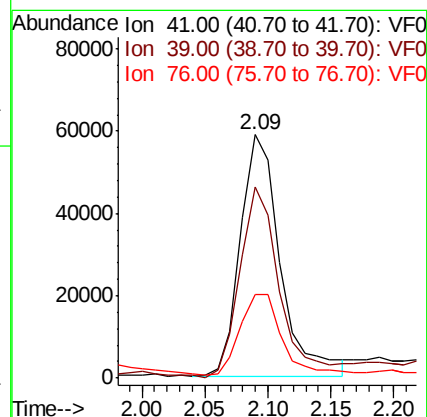
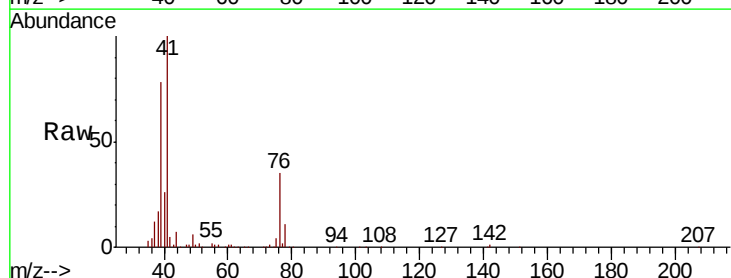
Tgt Ion: 41 Resp: 129122

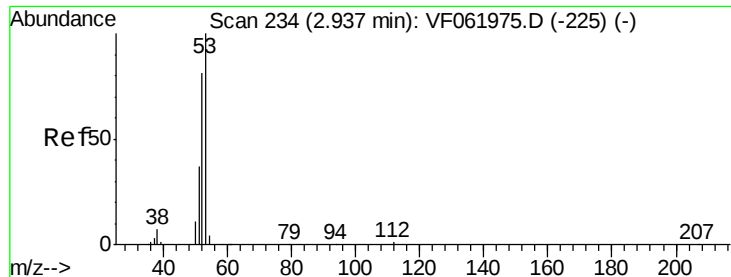
Ion Ratio Lower Upper

41 100

39 78.5 66.8 100.2

76 34.6 31.1 46.7





#15

Acrylonitrile

Concen: 246.036 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

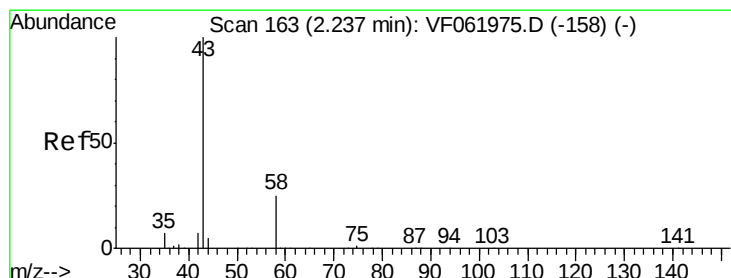
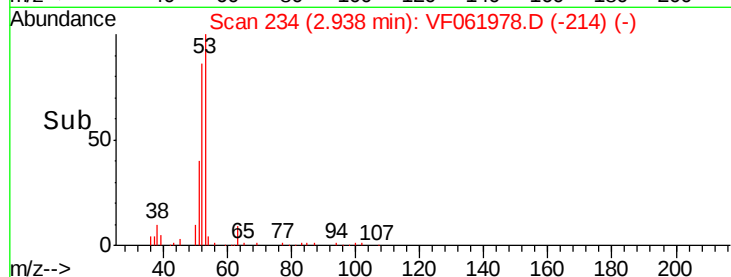
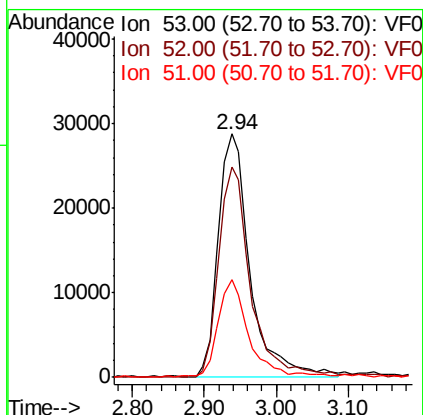
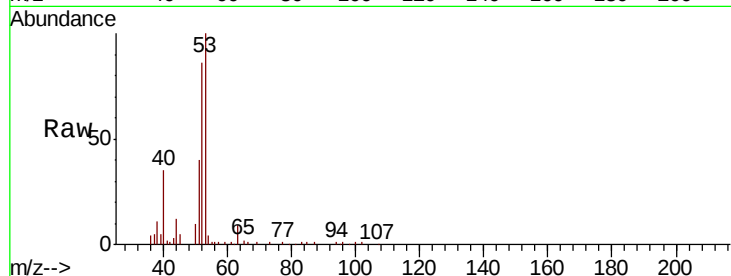
Tgt Ion: 53 Resp: 88264

Ion Ratio Lower Upper

53 100

52 86.4 64.4 96.6

51 40.3 30.3 45.5



#16

Acetone

Concen: 280.129 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061978.D

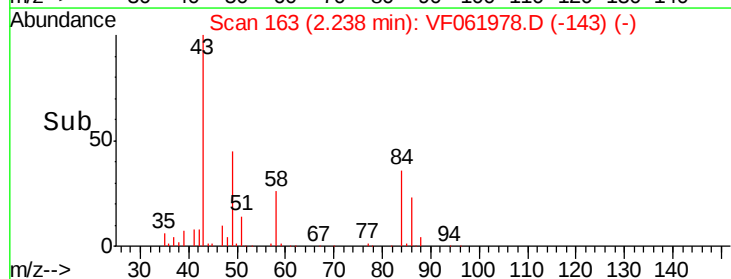
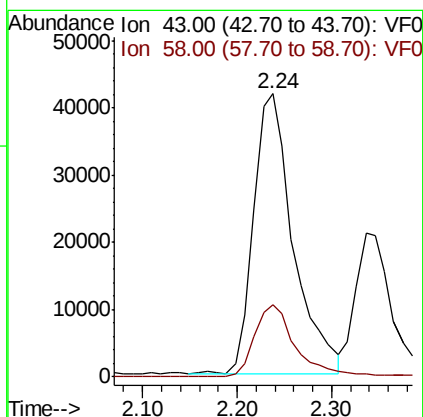
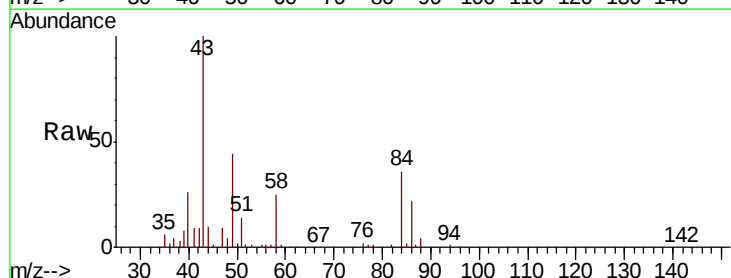
Acq: 16 Mar 2019 15:54

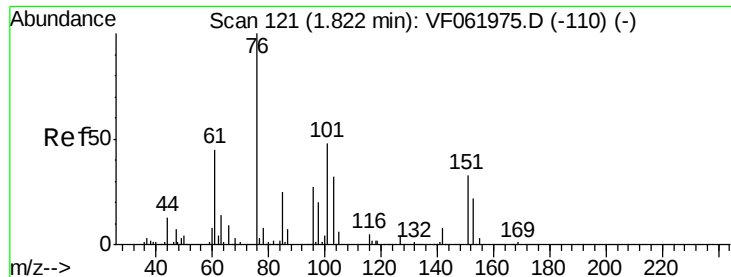
Tgt Ion: 43 Resp: 121274

Ion Ratio Lower Upper

43 100

58 25.4 19.9 29.9

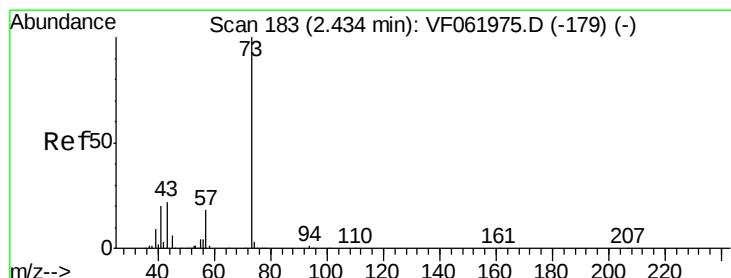
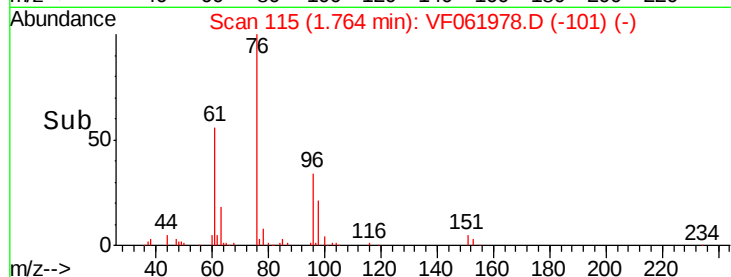
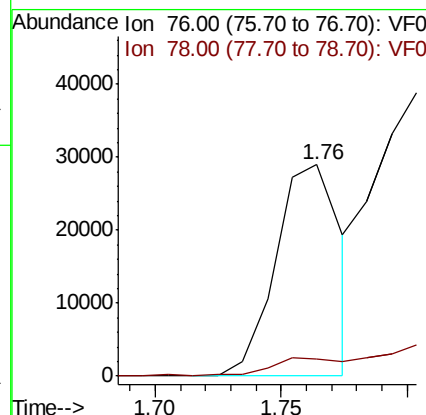
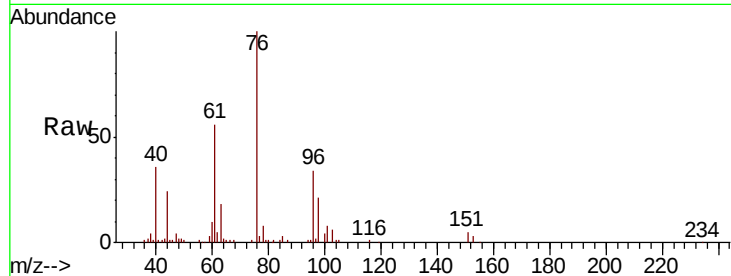




#17
Carbon Disulfide
Concen: 7.976 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

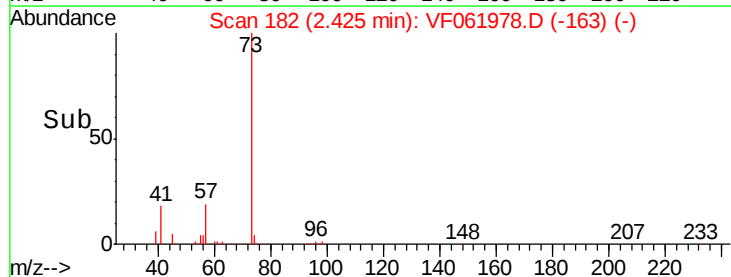
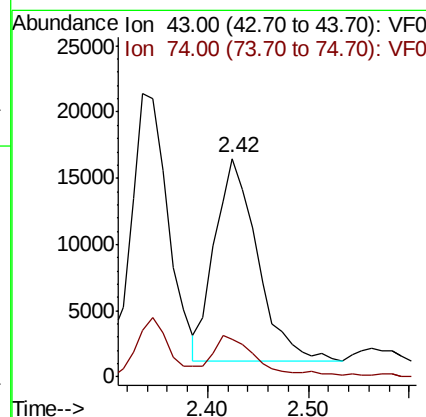
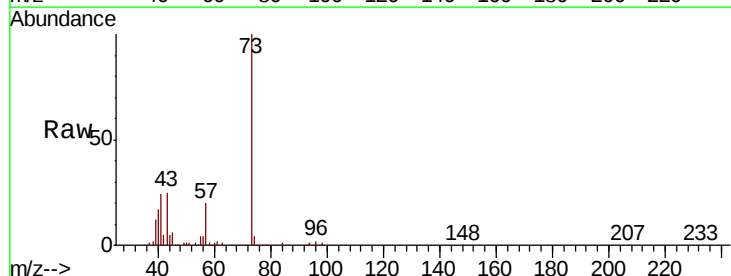
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

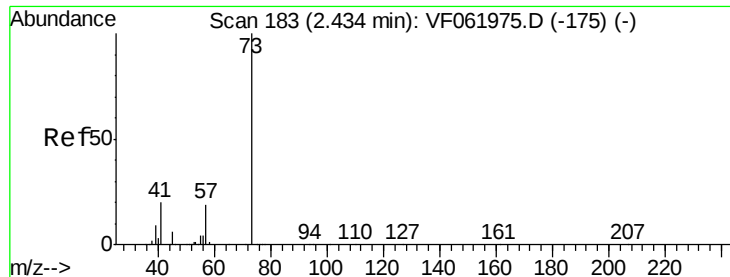
Tgt Ion: 76 Resp: 52141
Ion Ratio Lower Upper
76 100
78 8.2 6.8 10.2



#18
Methyl Acetate
Concen: 51.290 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 43 Resp: 45427
Ion Ratio Lower Upper
43 100
74 17.0 12.6 18.8

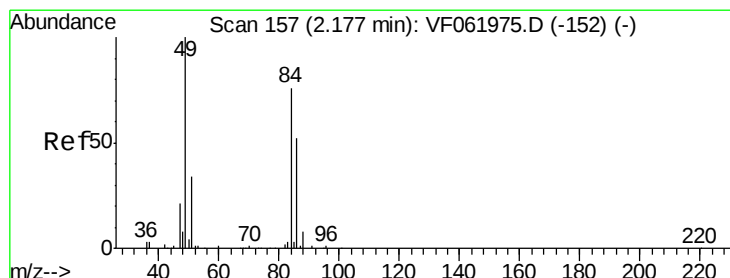
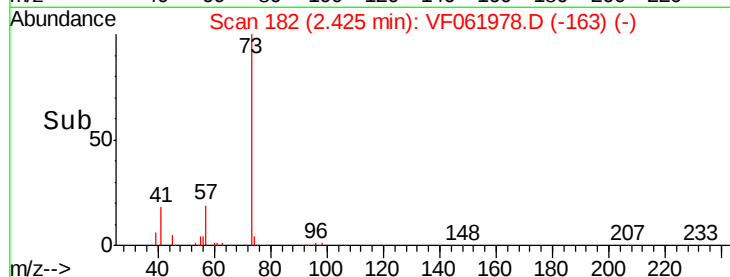
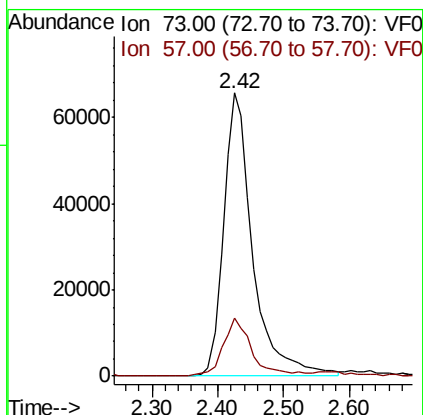
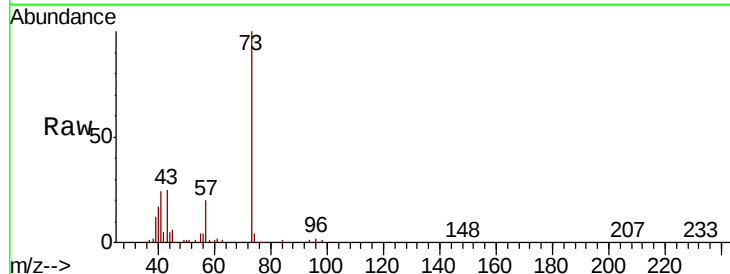




#19
Methyl tert-butyl Ether
Concen: 49.450 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

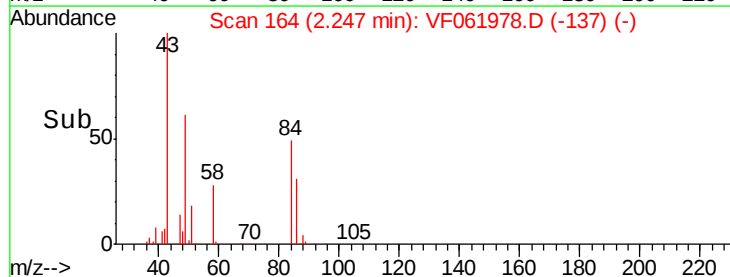
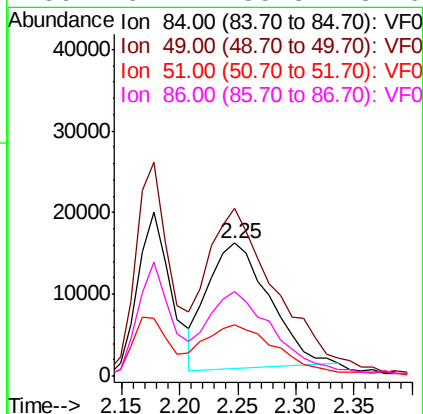
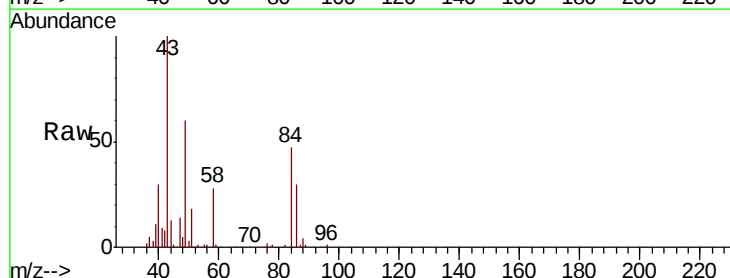
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

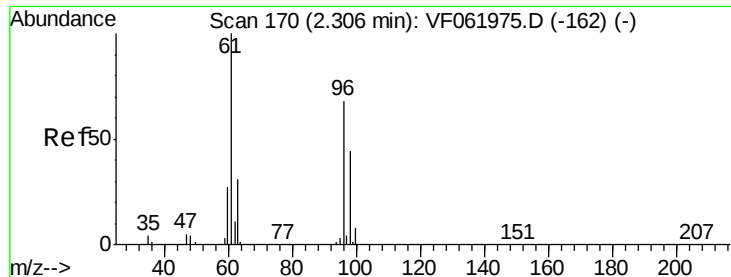
Tgt Ion: 73 Resp: 202548
Ion Ratio Lower Upper
73 100
57 20.4 15.3 22.9



#20
Methylene Chloride
Concen: 25.279 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.07 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 84 Resp: 56343
Ion Ratio Lower Upper
84 100
49 126.7 107.0 160.6
51 38.5 37.2 55.8
86 64.2 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 43.908 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

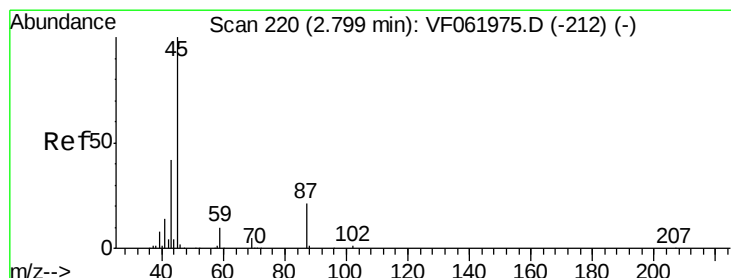
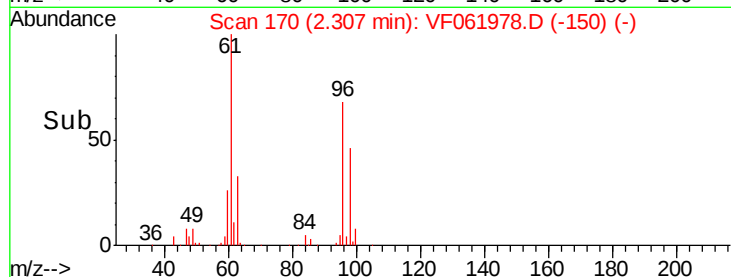
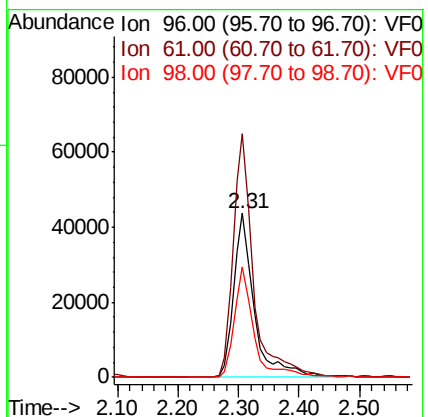
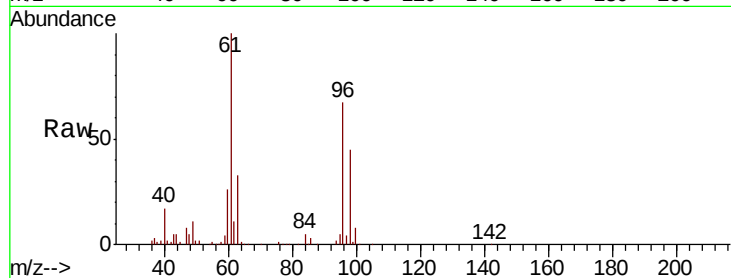
Tgt Ion: 96 Resp: 103575

Ion Ratio Lower Upper

96 100

61 148.6 117.4 176.2

98 67.4 51.2 76.8



#22

Diisopropyl ether

Concen: 46.932 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion: 45 Resp: 325732

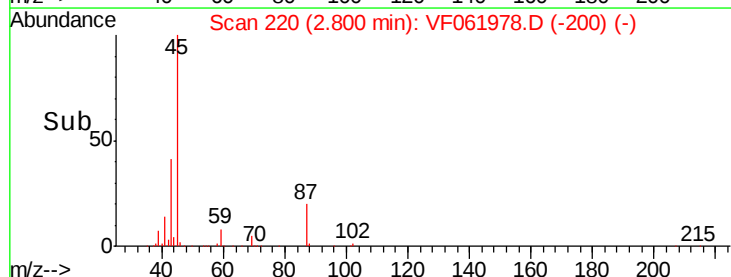
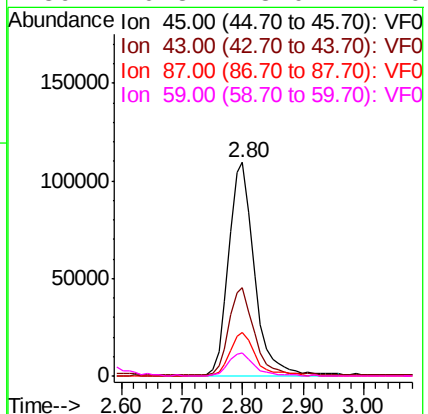
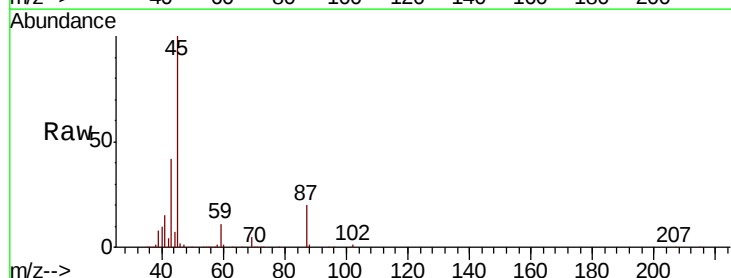
Ion Ratio Lower Upper

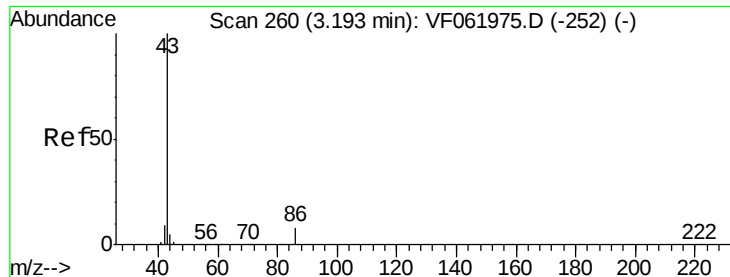
45 100

43 41.6 33.7 50.5

87 20.4 17.1 25.7

59 10.8 8.0 12.0

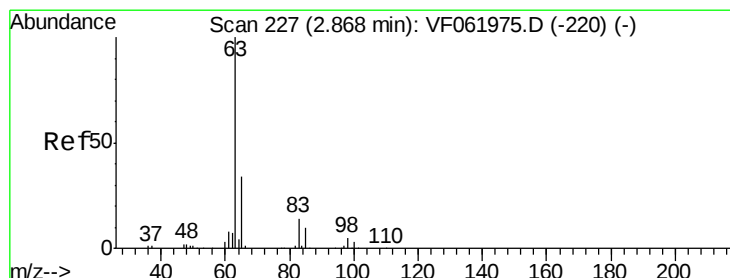
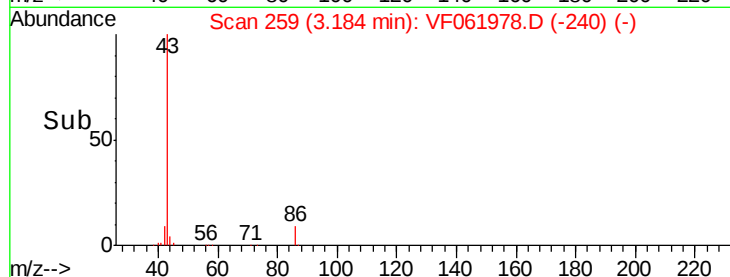
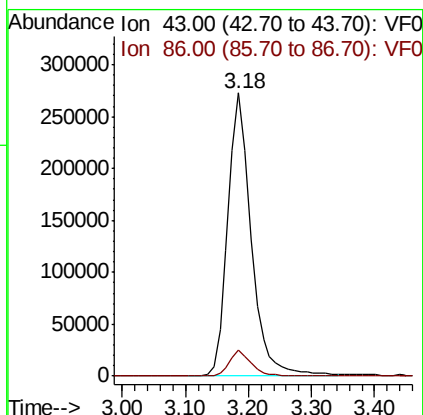
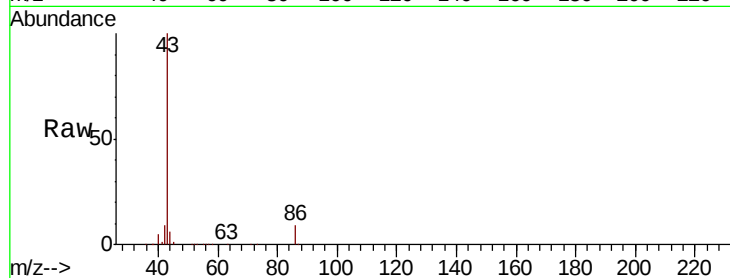




#23
 Vinyl Acetate
 Concen: 255.036 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

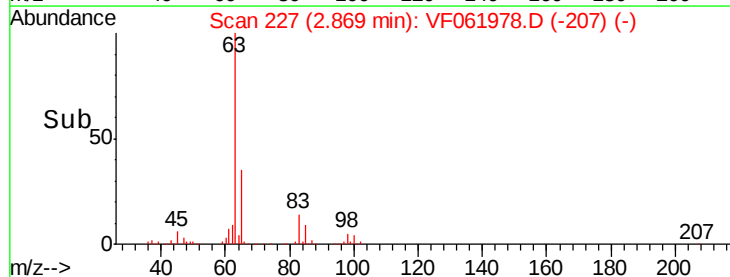
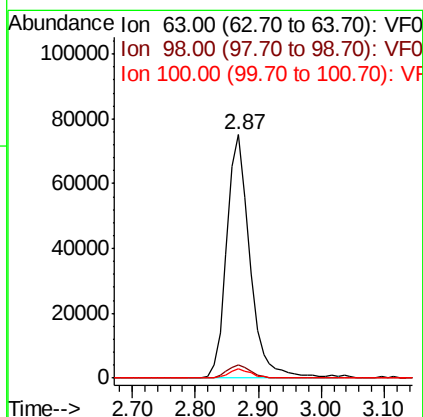
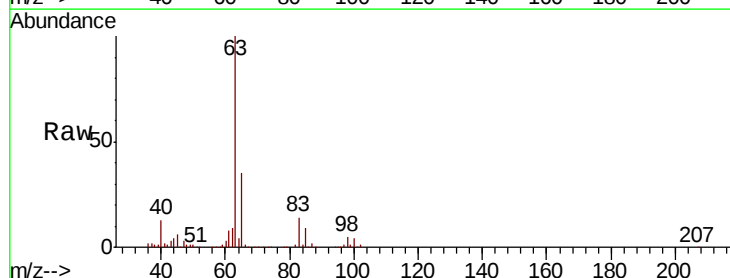
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

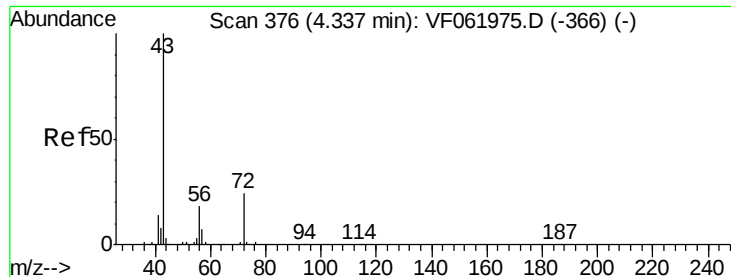
Tgt Ion: 43 Resp: 697783
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 47.691 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion: 63 Resp: 192462
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.7 8.1
 100 3.9 1.7 5.0





#25

2-Butanone

Concen: 246.658 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

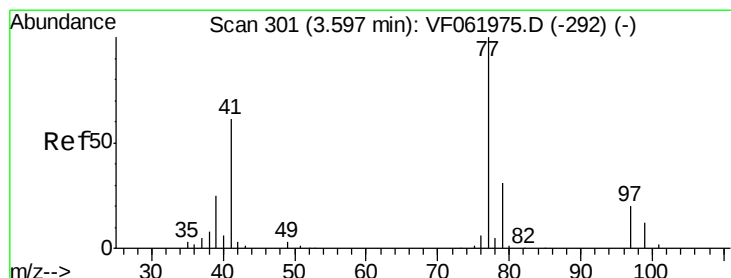
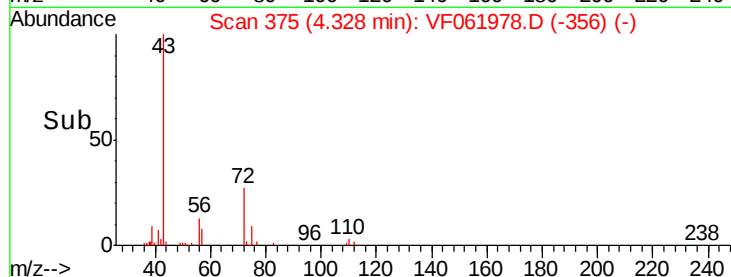
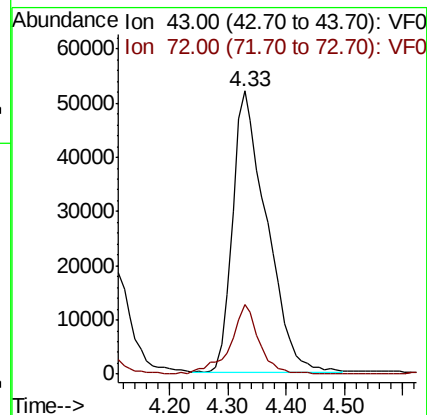
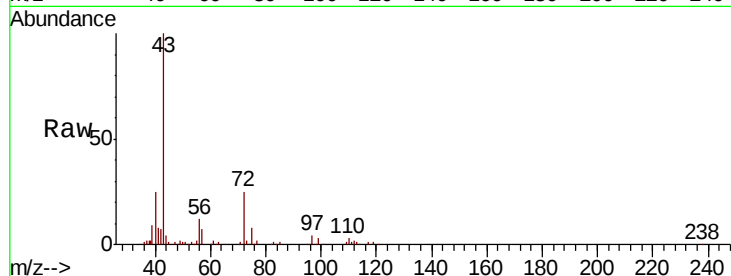
ICVVF031619

Tgt Ion: 43 Resp: 211481

Ion Ratio Lower Upper

43 100

72 24.8 19.8 29.6



#26

2,2-Dichloropropane

Concen: 45.002 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF061978.D

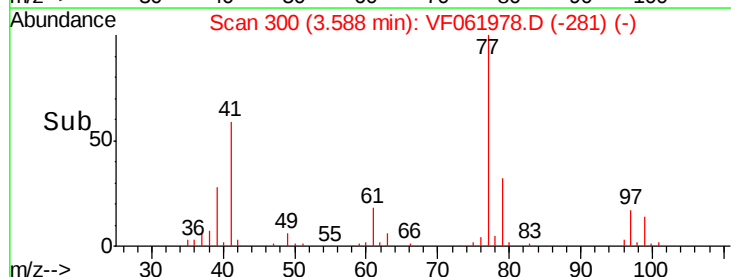
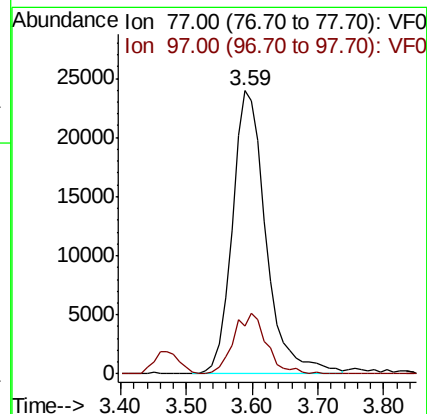
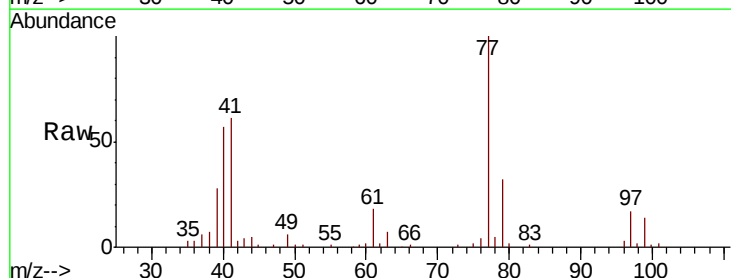
Acq: 16 Mar 2019 15:54

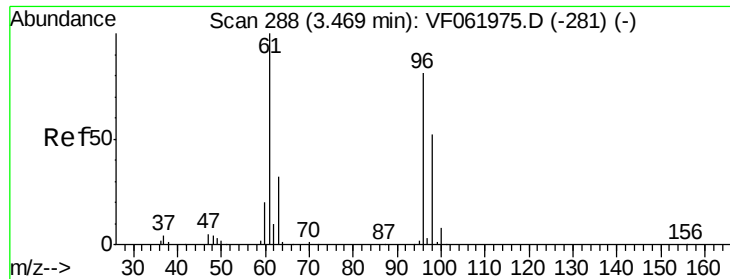
Tgt Ion: 77 Resp: 85664

Ion Ratio Lower Upper

77 100

97 16.9 10.8 32.4



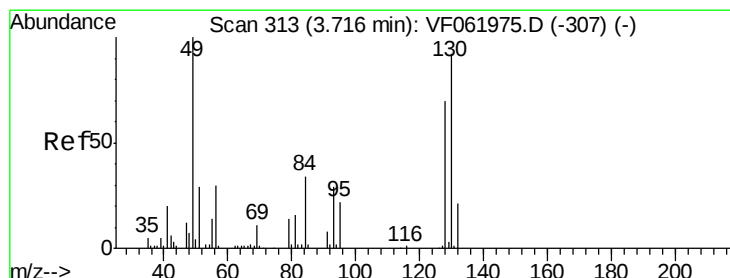
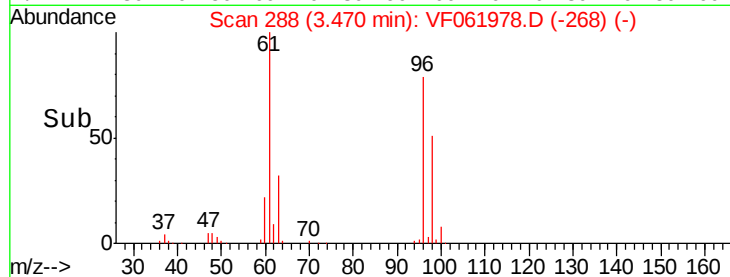
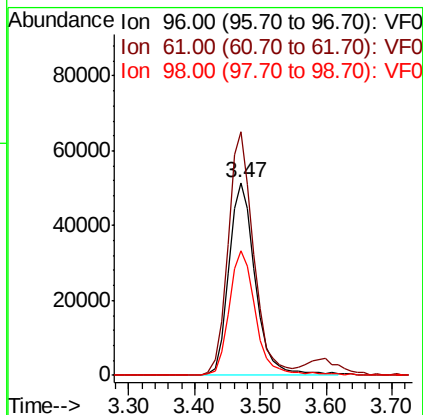
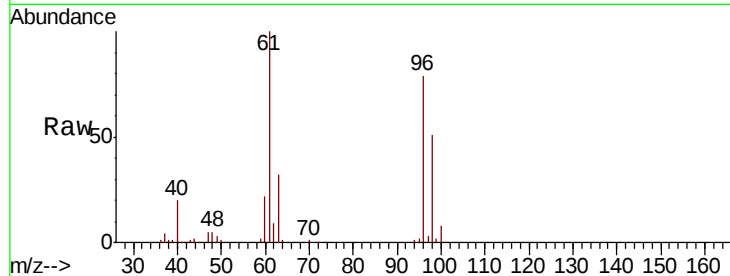


#27

cis-1,2-Dichloroethene
 Concen: 48.908 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

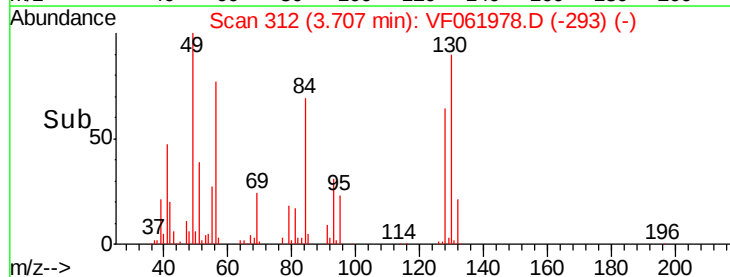
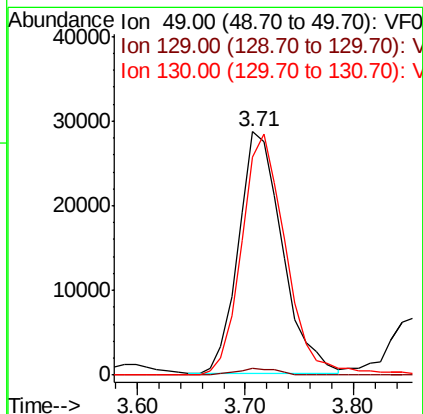
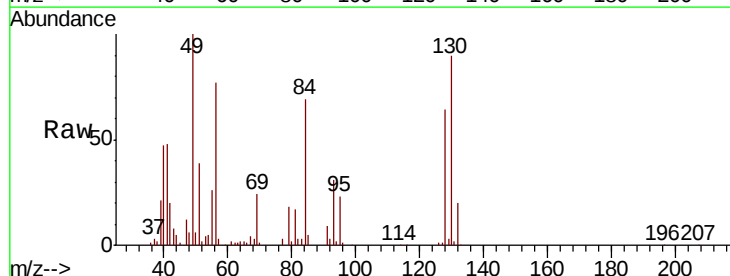
Tgt Ion: 96 Resp: 145414
 Ion Ratio Lower Upper
 96 100
 61 126.2 0.0 246.6
 98 64.7 0.0 129.2

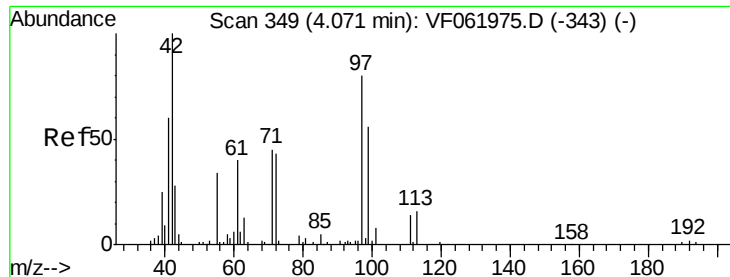


#28

Bromochloromethane
 Concen: 48.399 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion: 49 Resp: 81046
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.8
 130 89.6 73.1 109.7

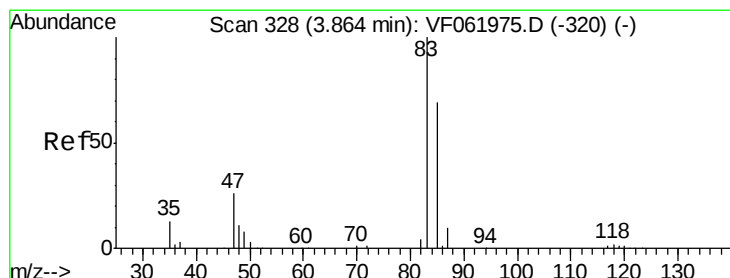
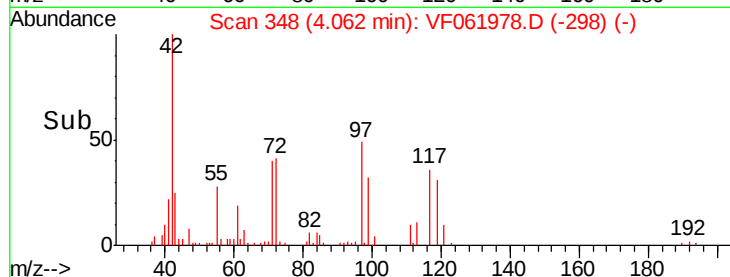
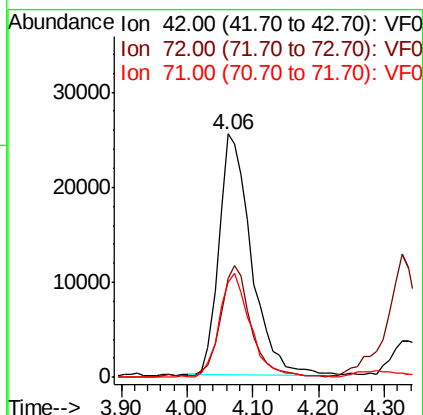
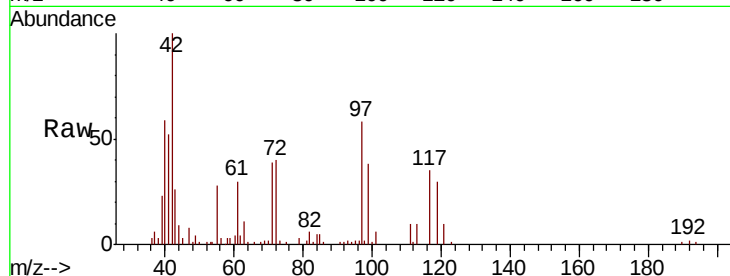




#29
Tetrahydrofuran
Concen: 232.945 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

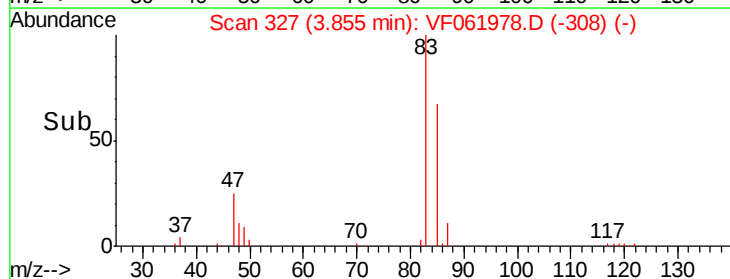
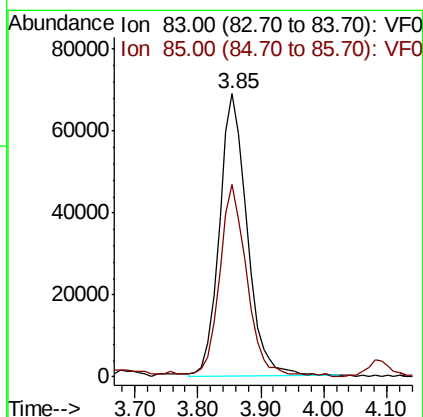
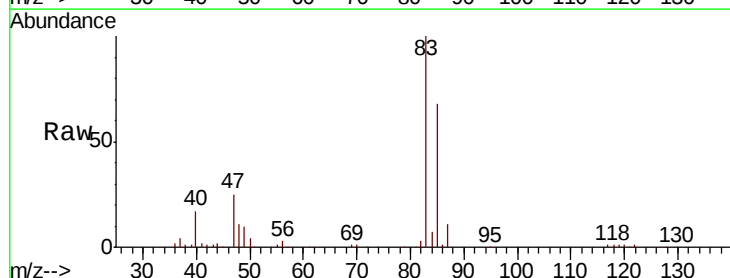
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

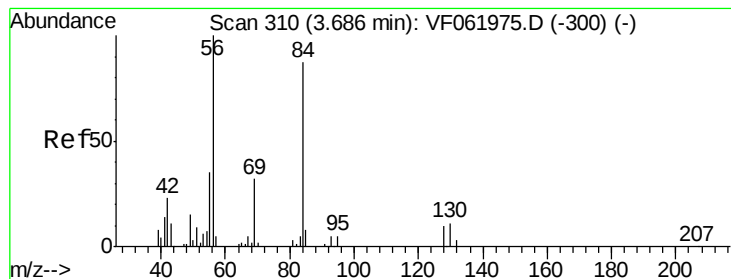
Tgt Ion: 42 Resp: 86859
Ion Ratio Lower Upper
42 100
72 44.0 34.0 51.0
71 42.0 34.2 51.4



#30
Chloroform
Concen: 45.932 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 83 Resp: 210026
Ion Ratio Lower Upper
83 100
85 68.1 55.5 83.3





#31

Cyclohexane

Concen: 32.053 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

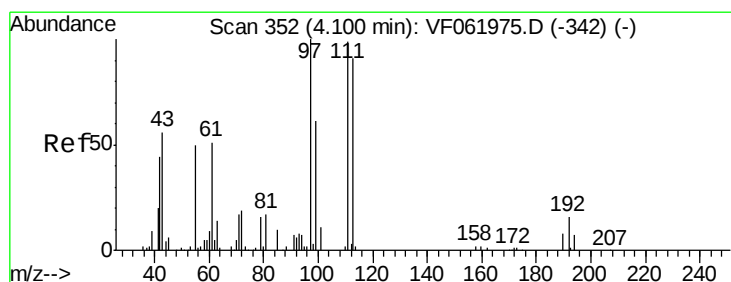
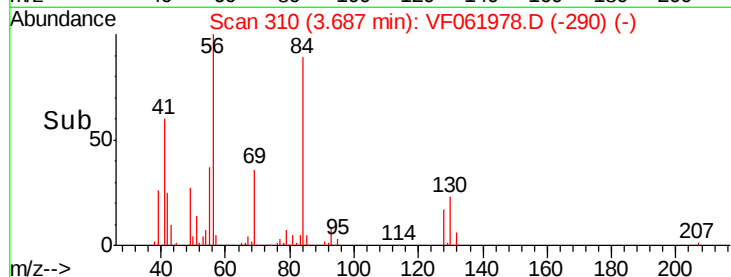
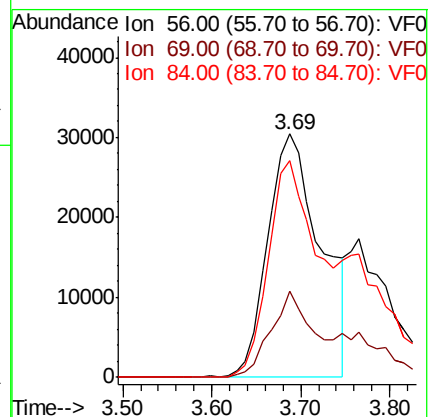
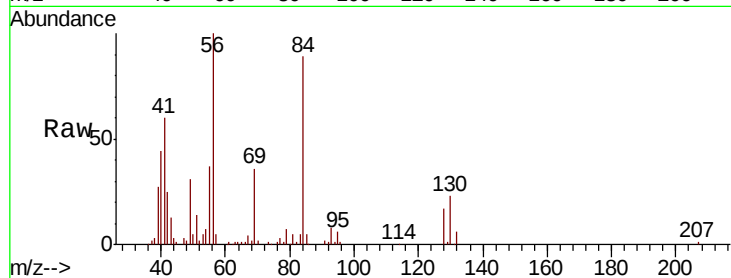
Tgt Ion: 56 Resp: 126733

Ion Ratio Lower Upper

56 100

69 35.5 25.8 38.8

84 89.0 69.5 104.3



#32

1,1,1-Trichloroethane

Concen: 47.029 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

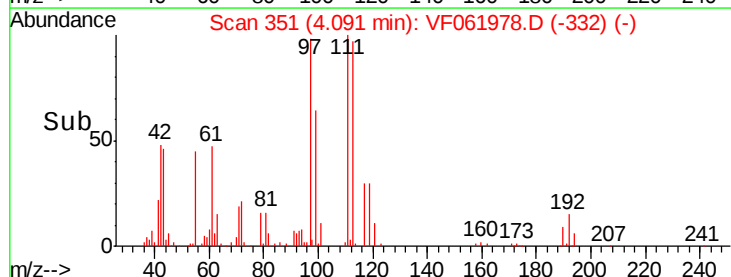
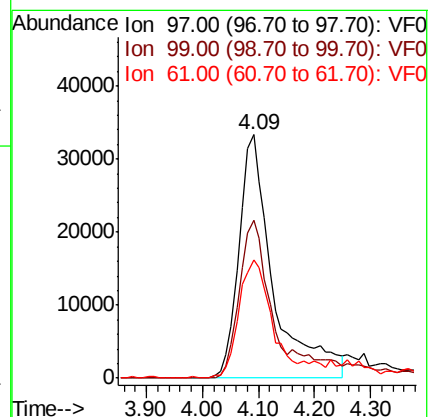
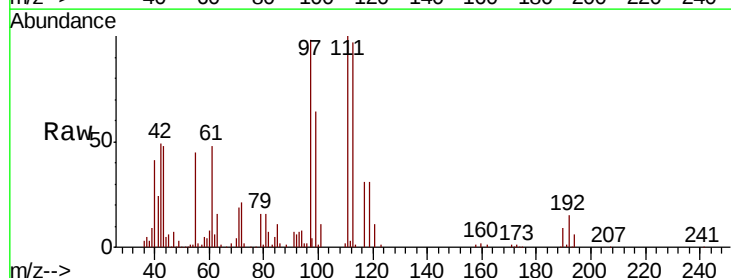
Tgt Ion: 97 Resp: 142811

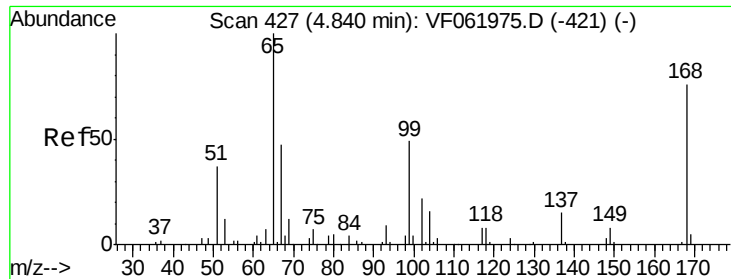
Ion Ratio Lower Upper

97 100

99 64.8 49.0 73.4

61 48.6 41.4 62.0

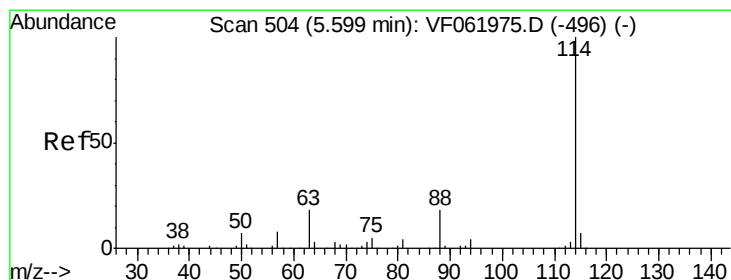
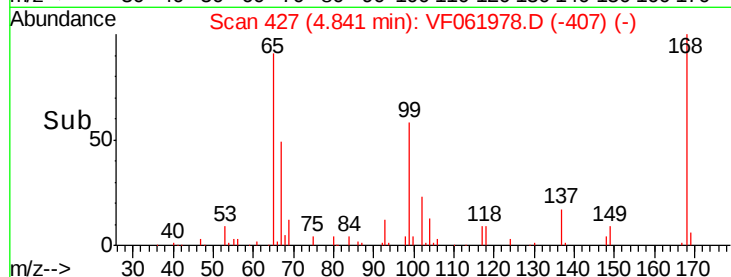
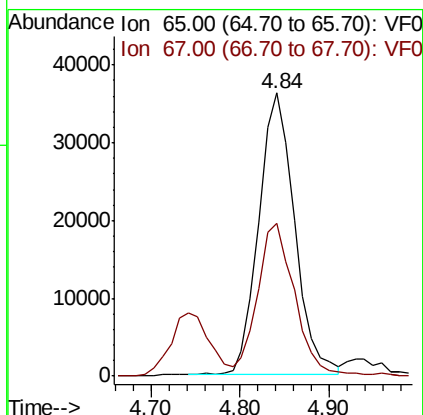
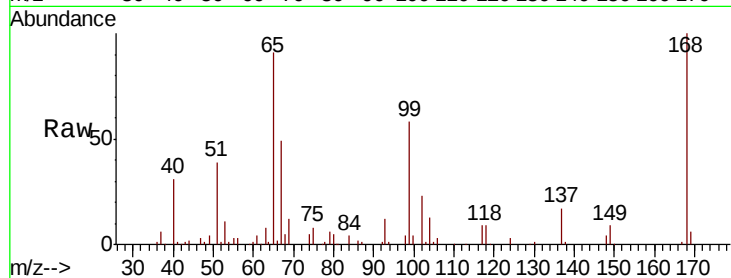




#33
 1,2-Dichloroethane-d4
 Concen: 52.181 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

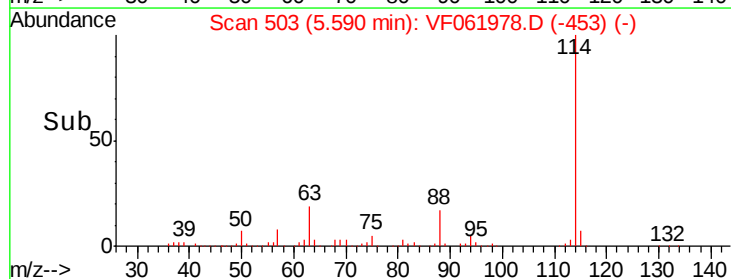
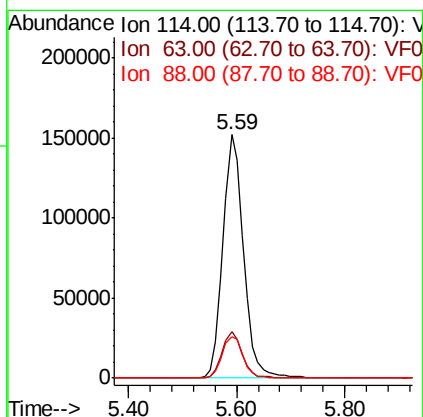
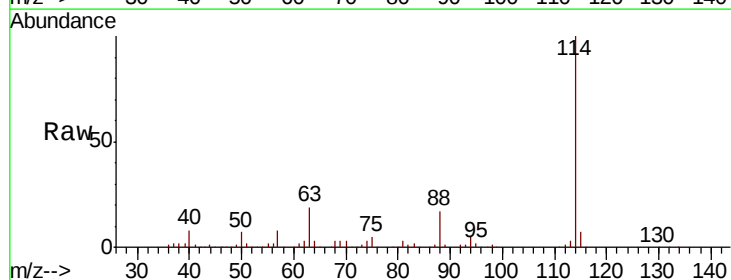
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF031619

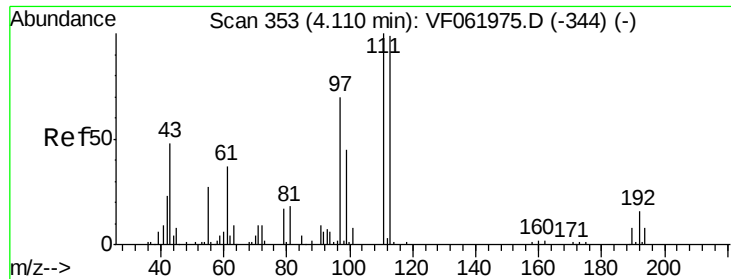
Tgt Ion: 65 Resp: 100601
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion: 114 Resp: 403415
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.4
 88 17.2 0.0 36.4

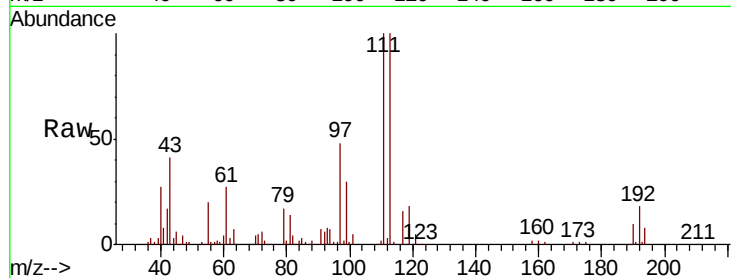




#35
 Dibromofluoromethane
 Concen: 52.331 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.8	121.2
192	18.2	13.0	19.6

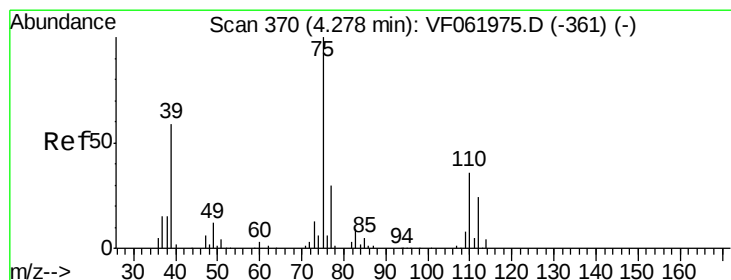
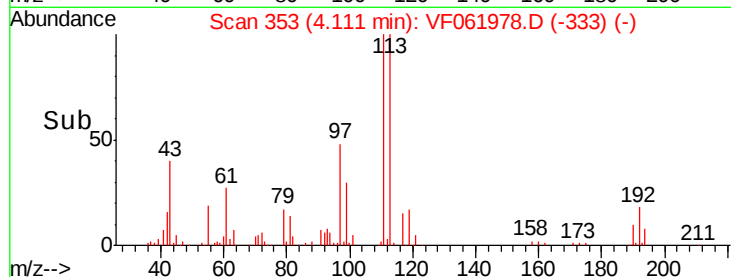
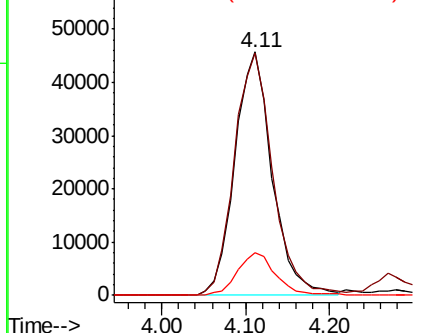


Abundance

Ion 113.00 (112.70 to 113.70): V

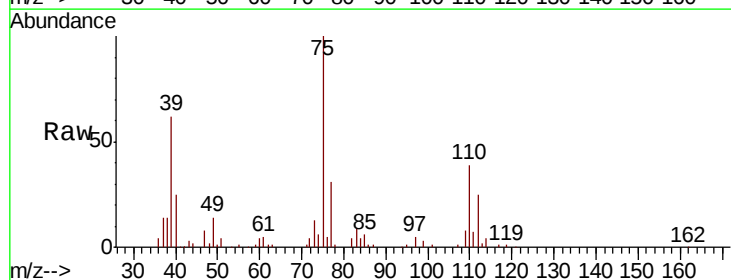
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 47.127 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	17.8	53.3
77	31.0	24.2	36.2

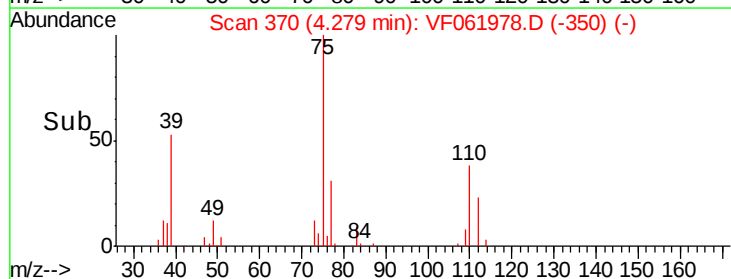
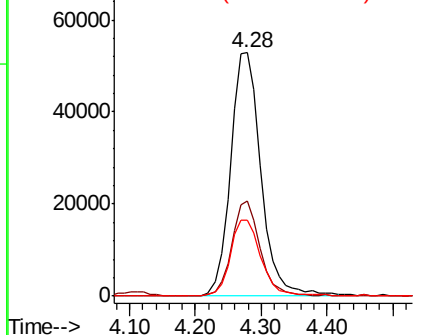


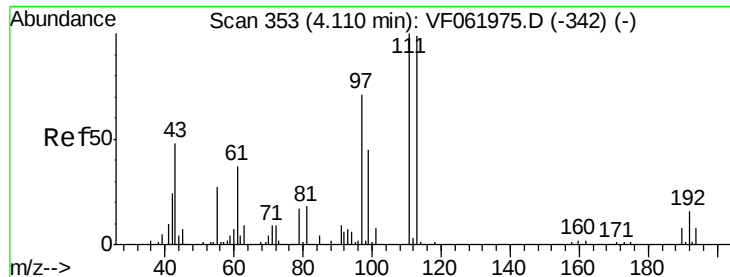
Abundance

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: 46.971 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

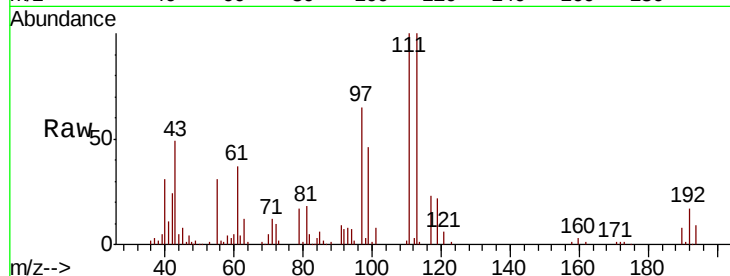
Tgt Ion: 43 Resp: 76833

Ion Ratio Lower Upper

43 100

61 75.1 59.8 89.6

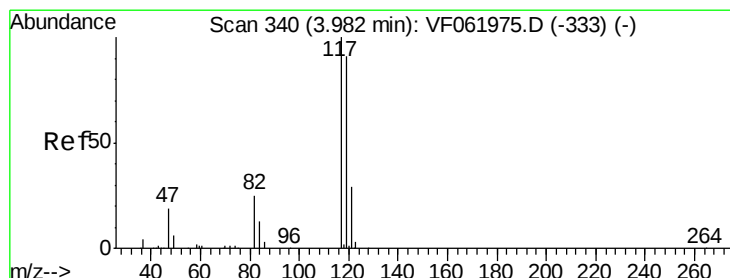
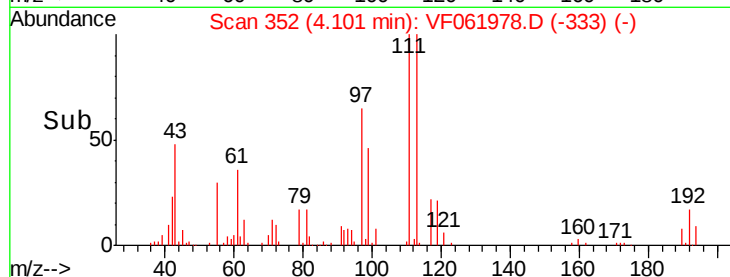
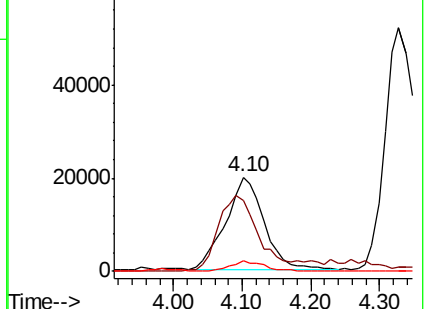
70 10.7 7.8 11.8



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: 47.062 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

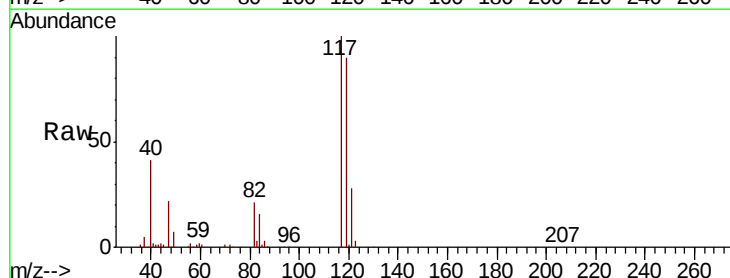
Tgt Ion: 117 Resp: 125299

Ion Ratio Lower Upper

117 100

119 89.7 73.0 109.4

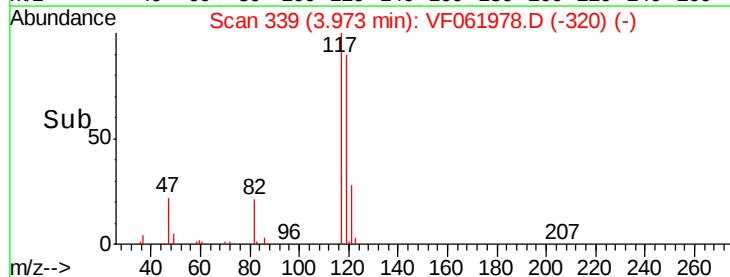
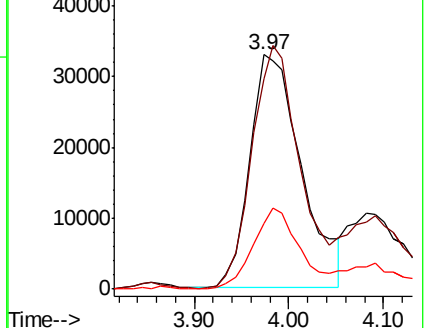
121 28.0 23.0 34.6

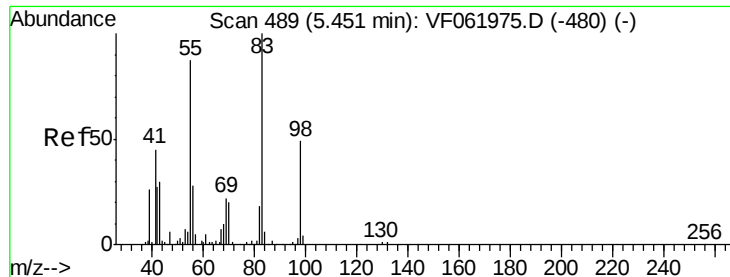


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

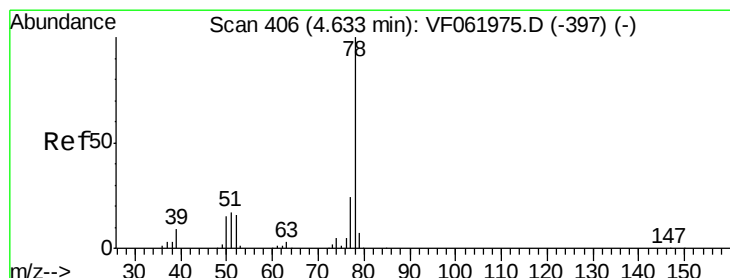
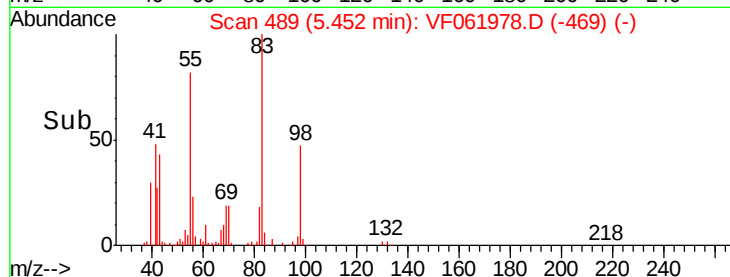
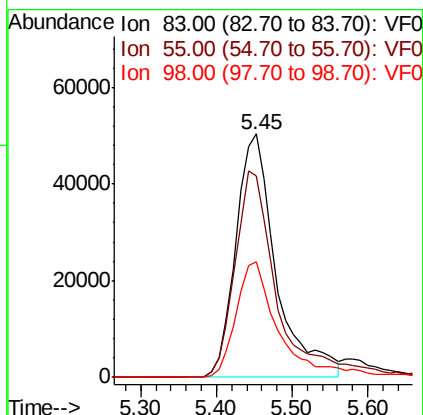
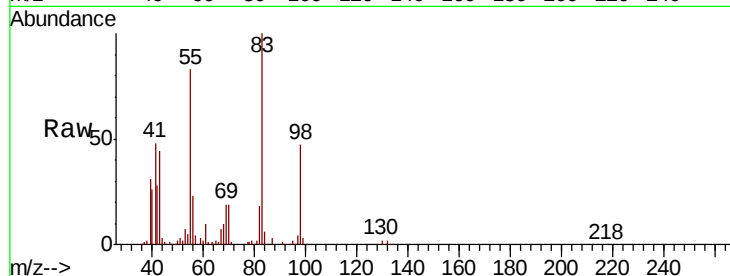




#39
Methylcyclohexane
Concen: 43.639 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

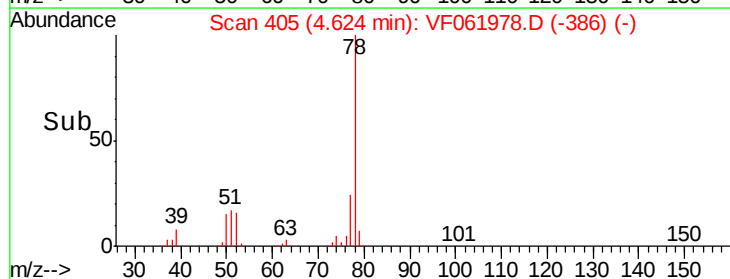
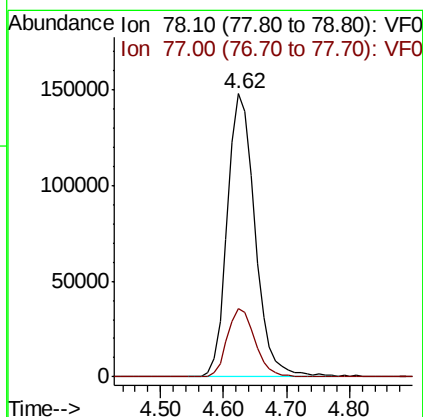
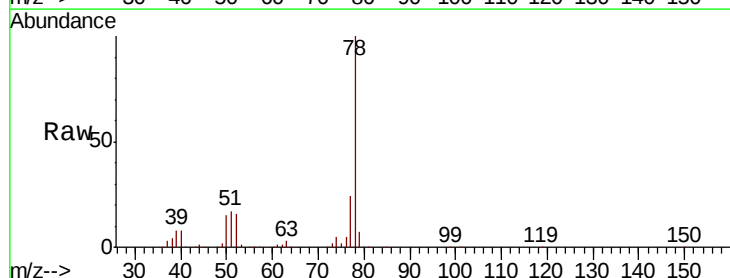
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

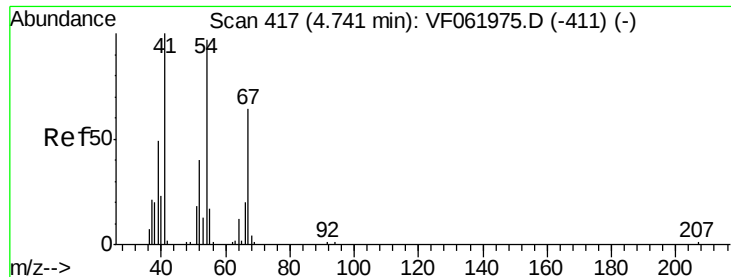
Tgt Ion: 83 Resp: 186637
Ion Ratio Lower Upper
83 100
55 82.7 69.7 104.5
98 47.4 39.4 59.0



#40
Benzene
Concen: 46.598 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 78 Resp: 449816
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





#41

Methacrylonitrile

Concen: 49.106 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tgt Ion: 41 Resp: 42916

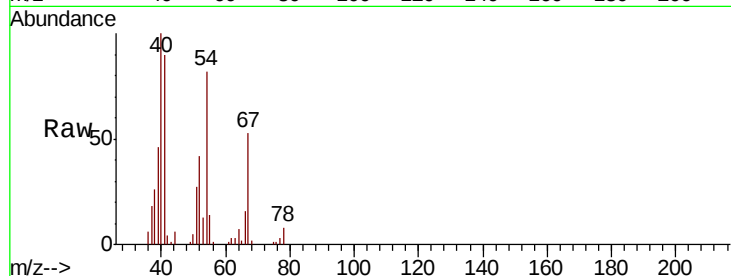
Ion Ratio Lower Upper

41 100

39 51.6 46.2 69.4

67 59.4 49.8 74.8

52 46.3 42.7 64.1

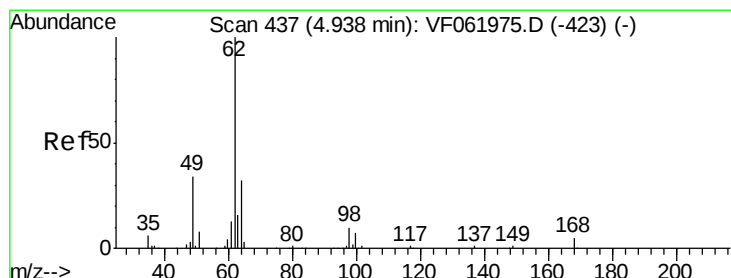
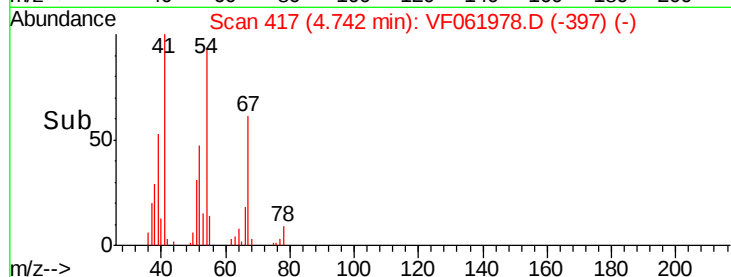
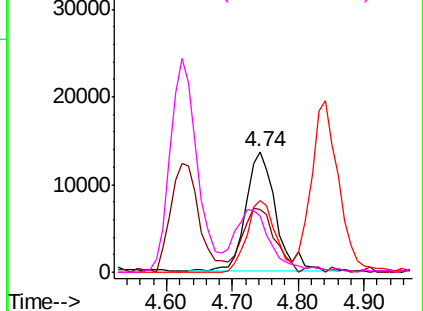


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 49.044 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.00 min

Lab File: VF061978.D

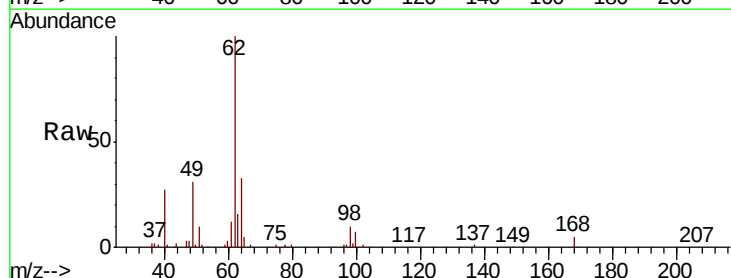
Acq: 16 Mar 2019 15:54

Tgt Ion: 62 Resp: 117854

Ion Ratio Lower Upper

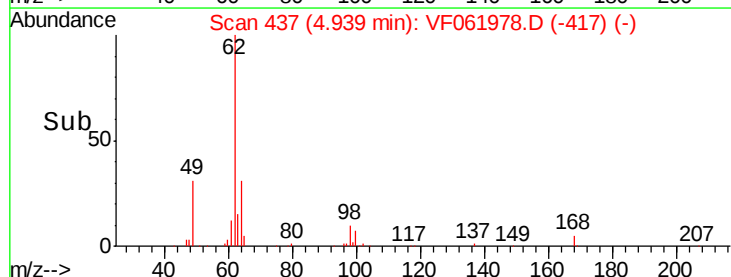
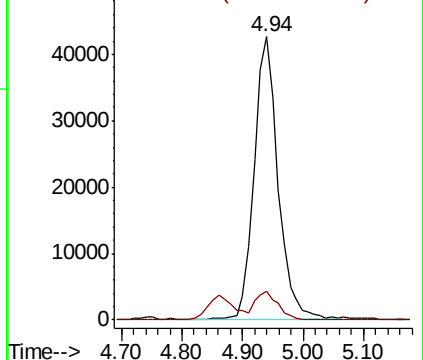
62 100

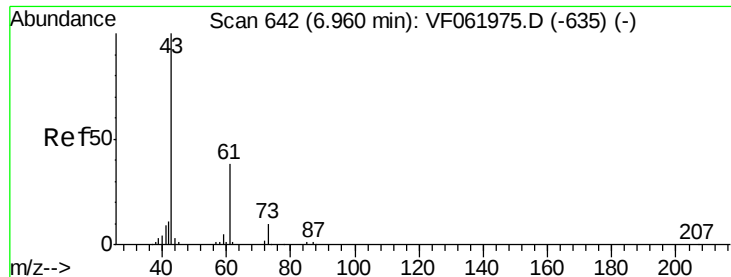
98 10.0 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 50.077 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

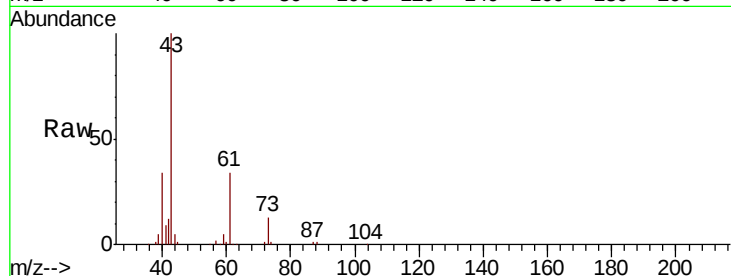
Tgt Ion: 43 Resp: 96917

Ion Ratio Lower Upper

43 100

61 33.8 30.1 45.1

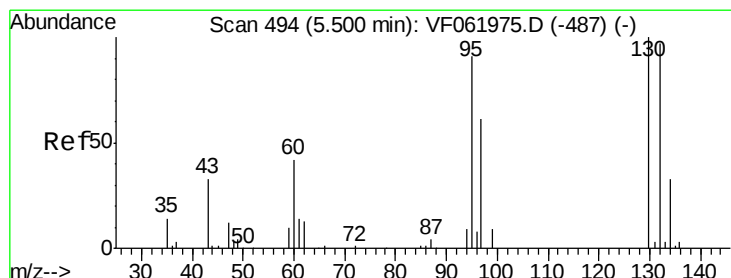
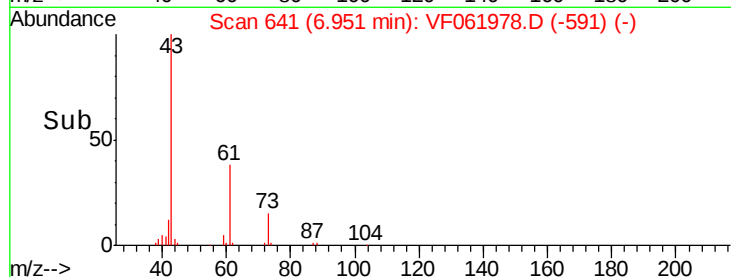
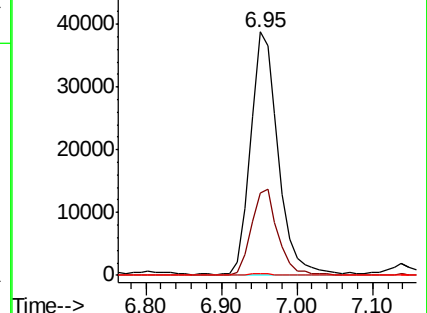
87 0.7 0.4 0.6#



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: 46.203 ug/l

RT: 5.50 min Scan# 494

Delta R.T. 0.00 min

Lab File: VF061978.D

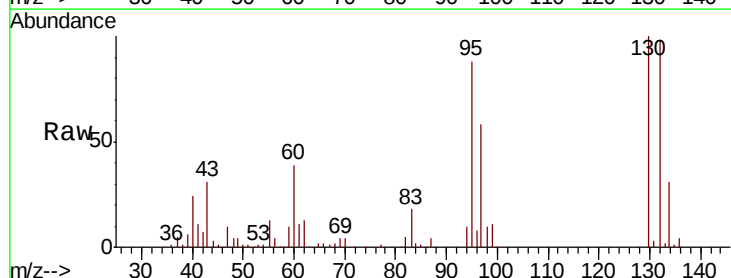
Acq: 16 Mar 2019 15:54

Tgt Ion: 130 Resp: 136628

Ion Ratio Lower Upper

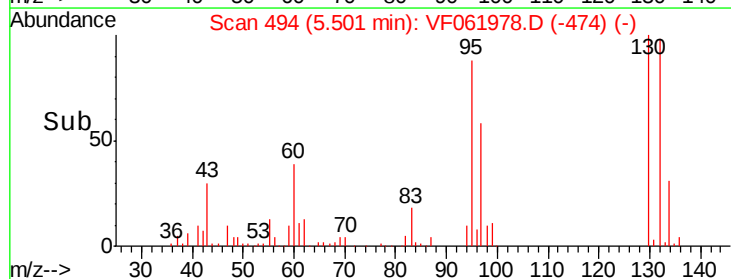
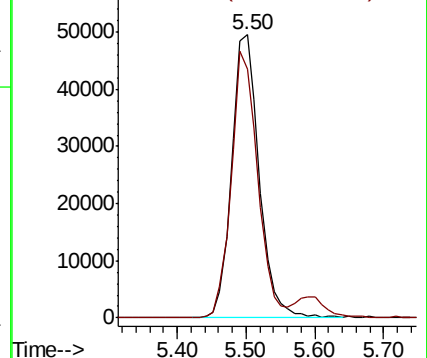
130 100

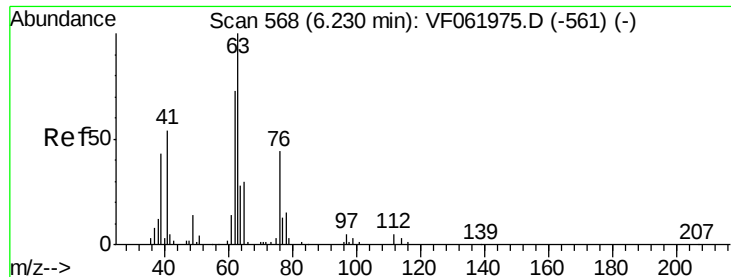
95 87.9 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 47.405 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

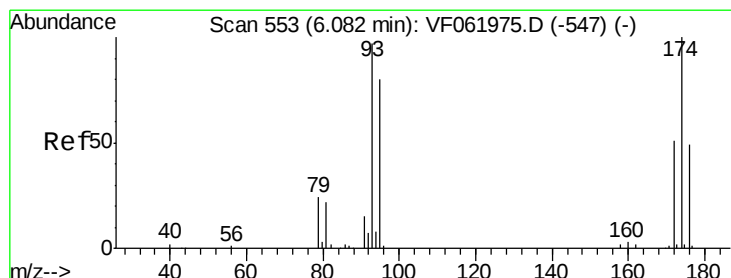
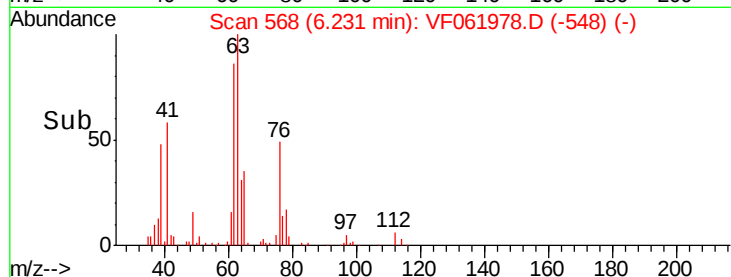
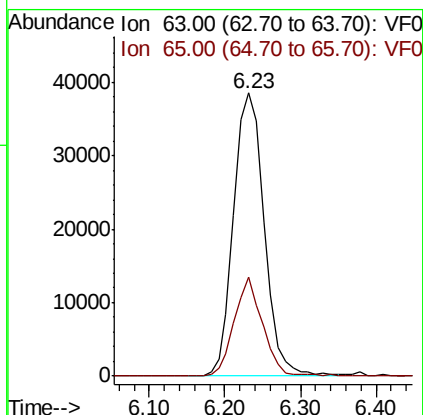
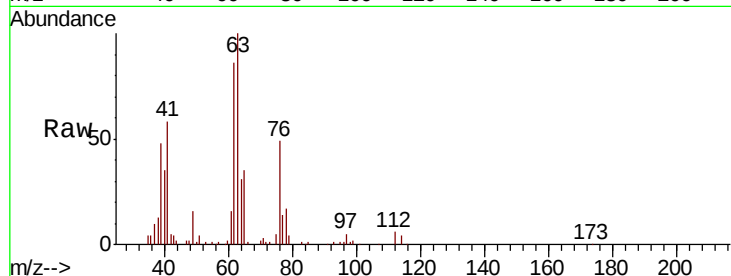
ICVVF031619

Tgt Ion: 63 Resp: 108297

Ion Ratio Lower Upper

63 100

65 34.9 23.7 35.5



#46

Dibromomethane

Concen: 50.195 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

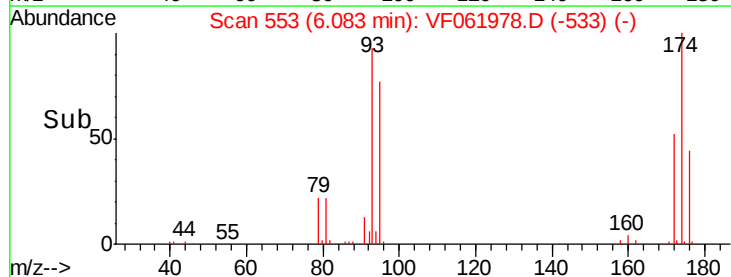
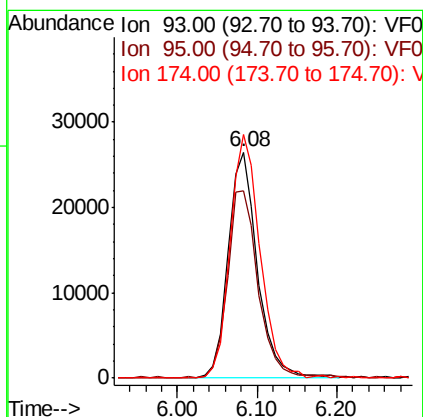
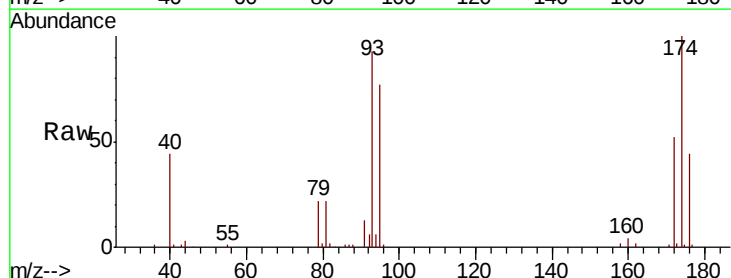
Tgt Ion: 93 Resp: 68215

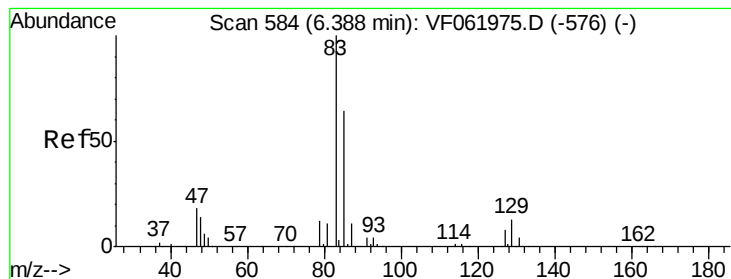
Ion Ratio Lower Upper

93 100

95 82.8 65.7 98.5

174 107.6 82.2 123.4





#47

Bromodichloromethane

Concen: 49.026 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

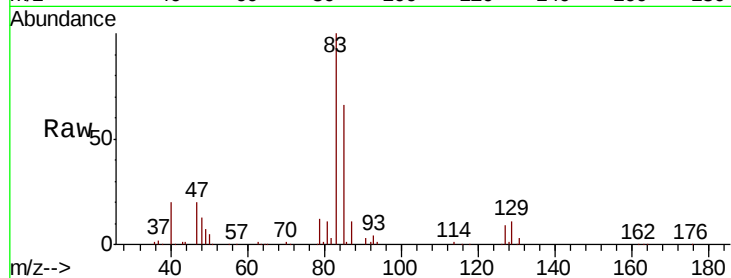
Tgt Ion: 83 Resp: 157078

Ion Ratio Lower Upper

83 100

85 65.8 51.4 77.2

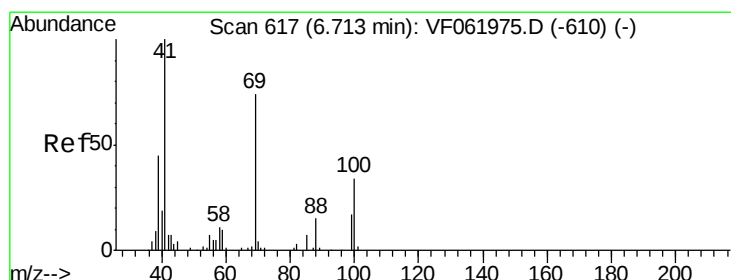
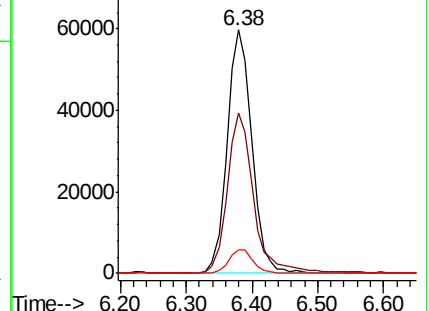
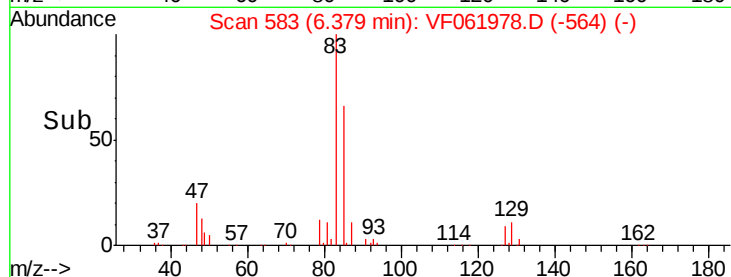
127 9.5 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 48.671 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

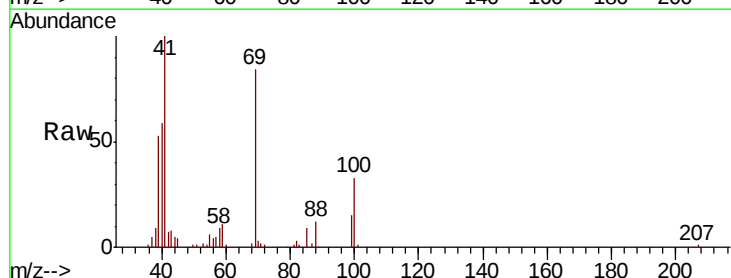
Tgt Ion: 41 Resp: 60878

Ion Ratio Lower Upper

41 100

69 83.5 59.0 88.6

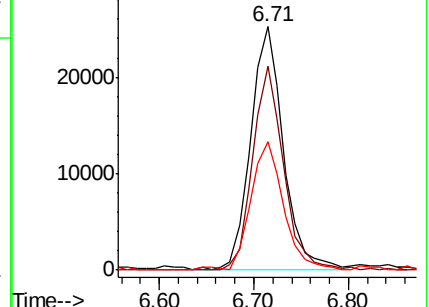
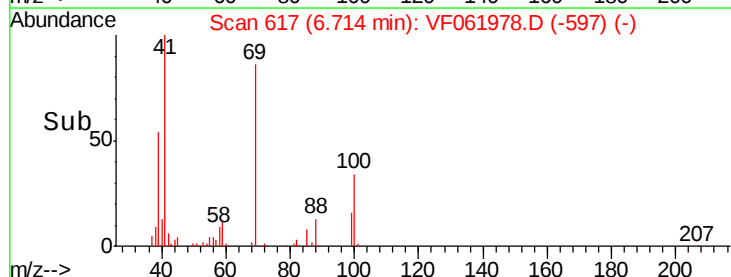
39 52.6 35.6 53.4

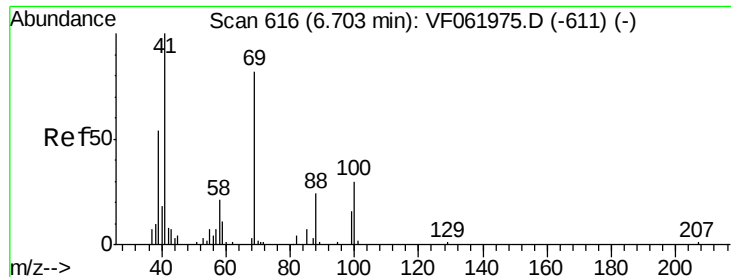


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 987.597 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

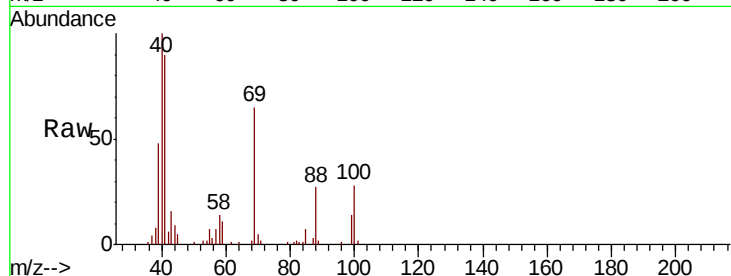
Tgt Ion: 88 Resp: 10988

Ion Ratio Lower Upper

88 100

43 58.4 31.2 46.8#

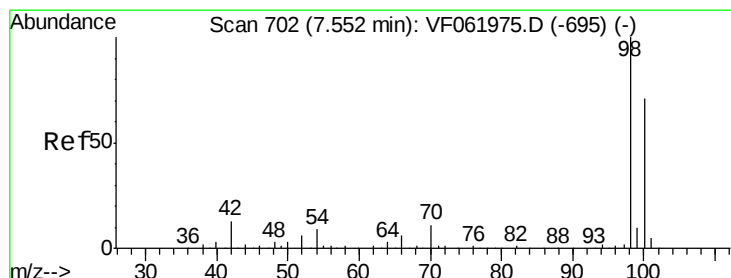
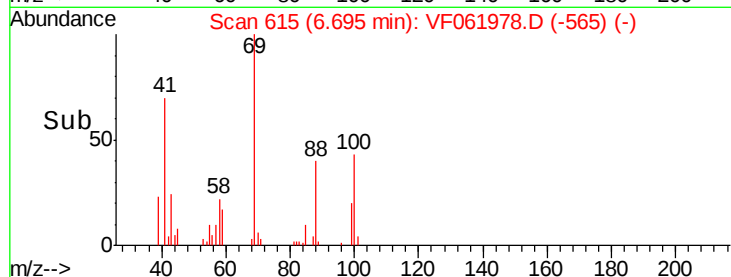
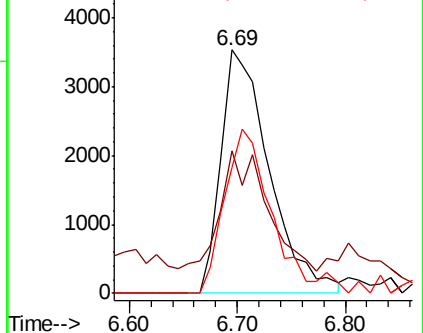
58 51.6 69.9 104.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.076 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061978.D

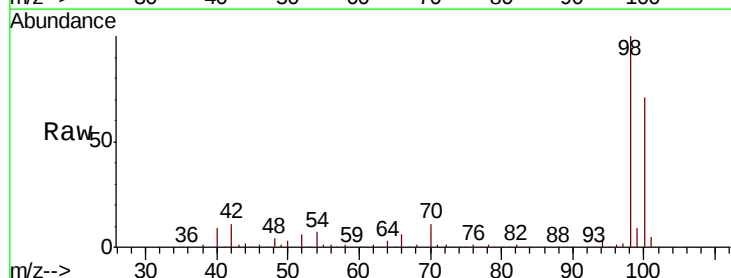
Acq: 16 Mar 2019 15:54

Tgt Ion: 98 Resp: 420318

Ion Ratio Lower Upper

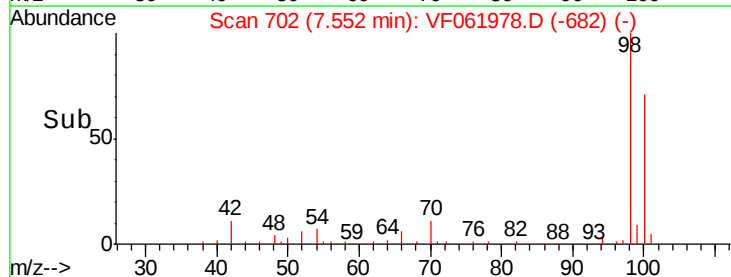
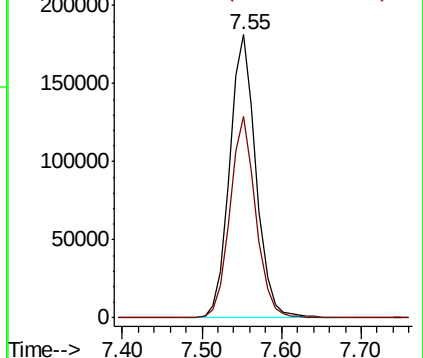
98 100

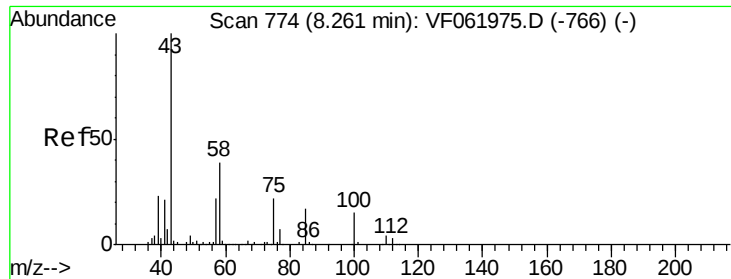
100 71.3 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 249.041 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

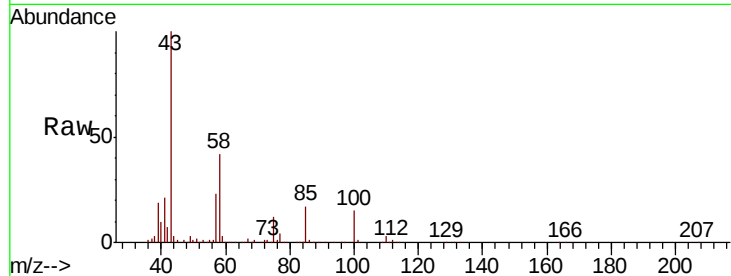
ICVVF031619

Tgt Ion: 43 Resp: 342263

Ion Ratio Lower Upper

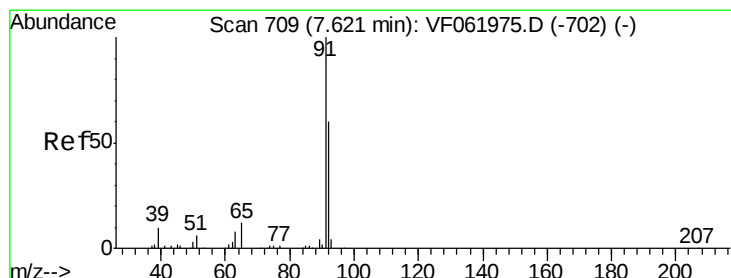
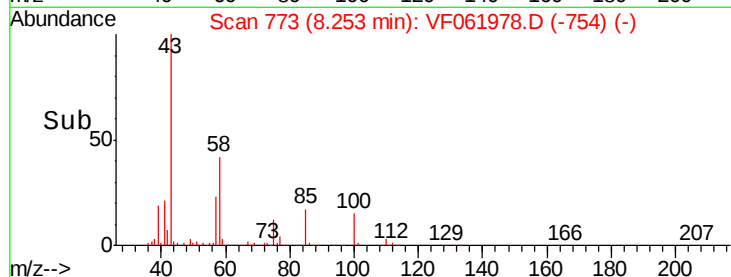
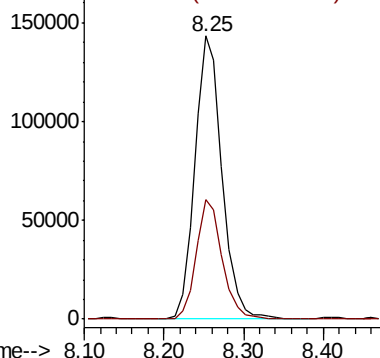
43 100

58 42.3 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: 47.589 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061978.D

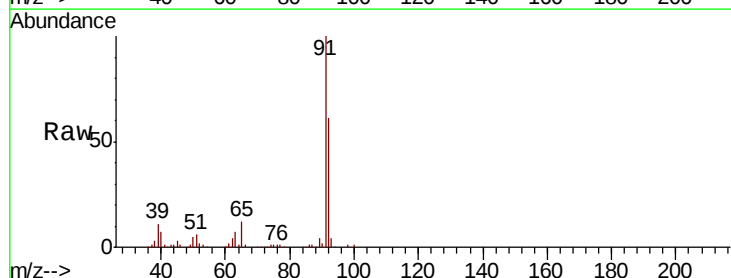
Acq: 16 Mar 2019 15:54

Tgt Ion: 92 Resp: 280682

Ion Ratio Lower Upper

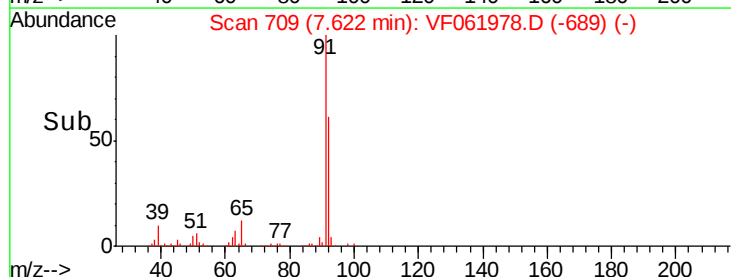
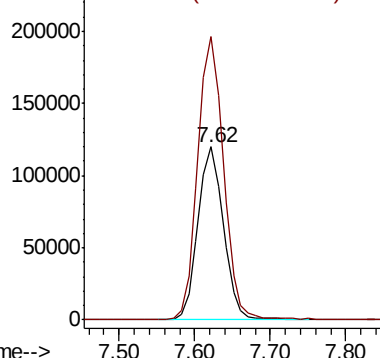
92 100

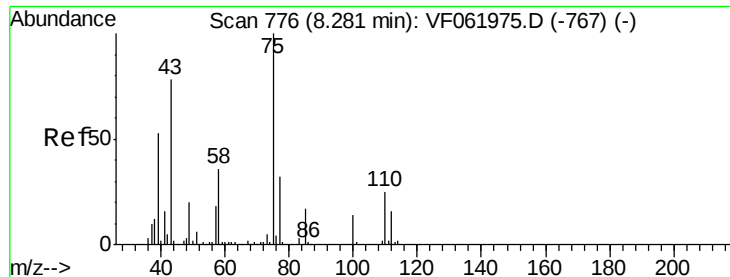
91 163.4 134.0 201.0



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: 50.427 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

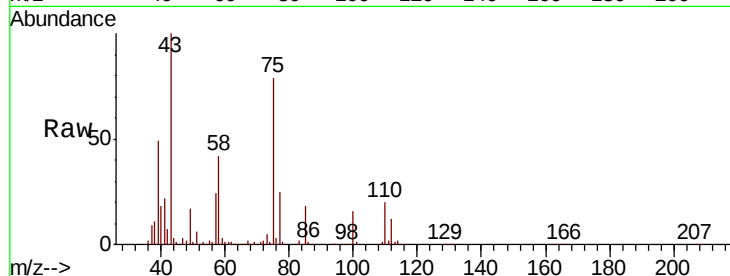
ICVVF031619

Tgt Ion: 75 Resp: 136402

Ion Ratio Lower Upper

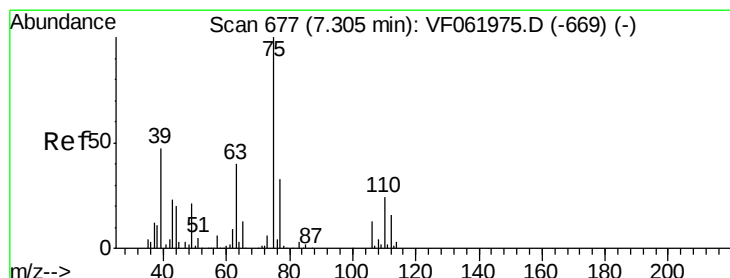
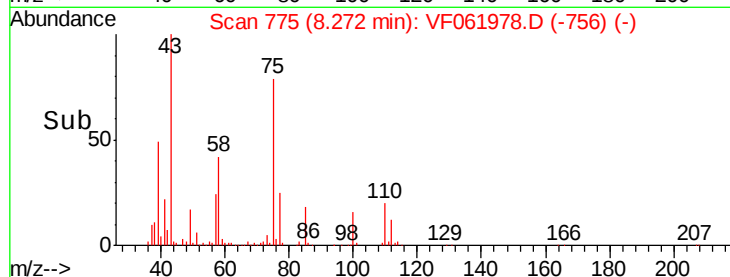
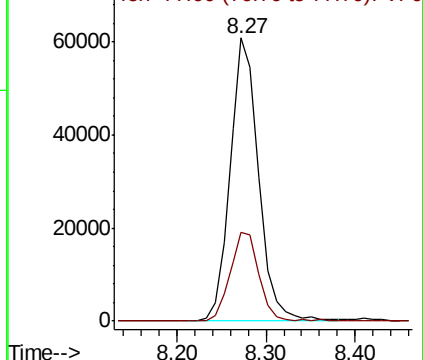
75 100

77 31.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 50.379 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

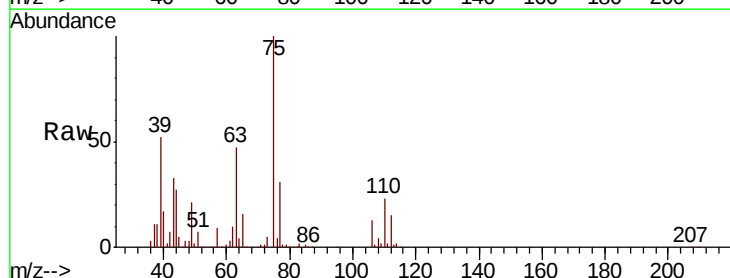
Tgt Ion: 75 Resp: 177806

Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6

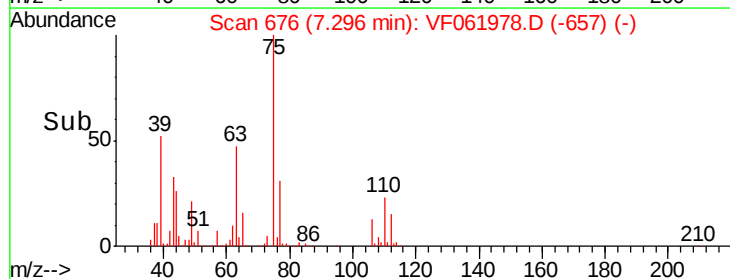
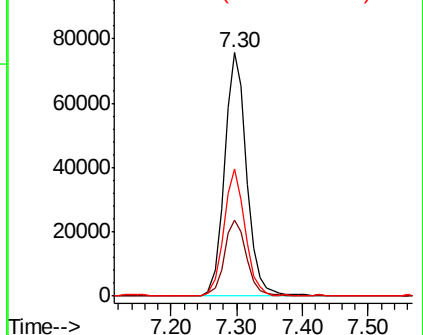
39 52.0 38.0 57.0

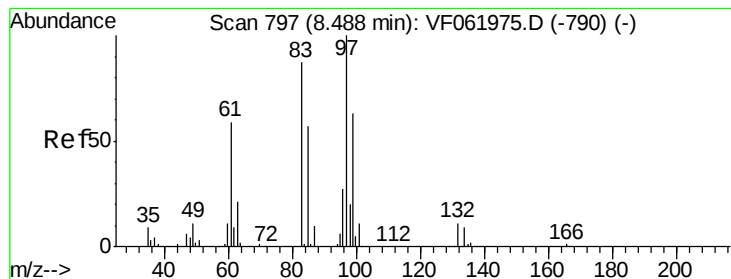


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 49.512 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

Tgt Ion: 97 Resp: 81504

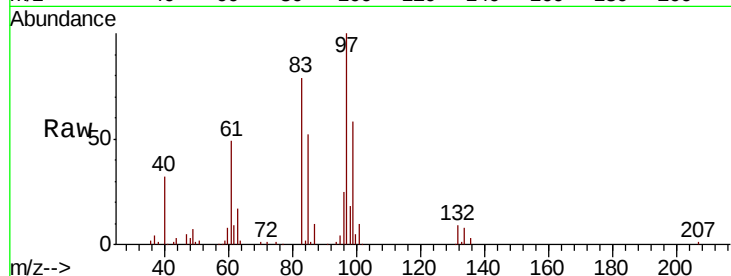
Ion Ratio Lower Upper

97 100

83 78.8 69.7 104.5

85 52.0 45.8 68.6

99 58.5 50.3 75.5

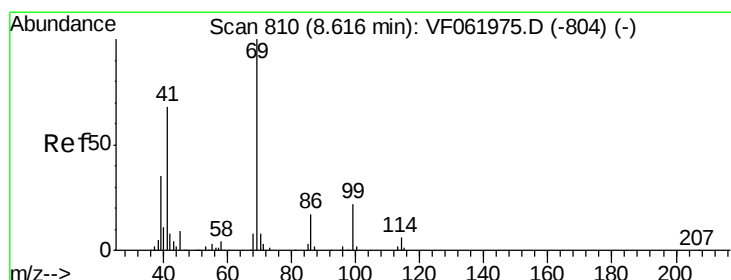
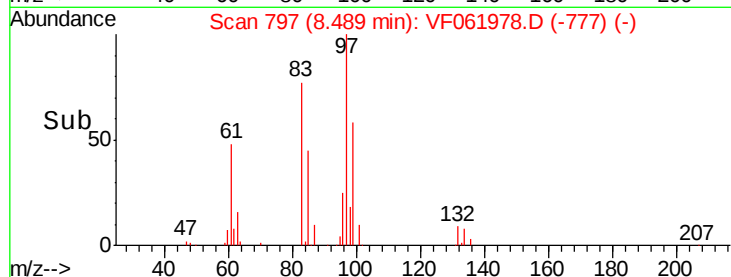
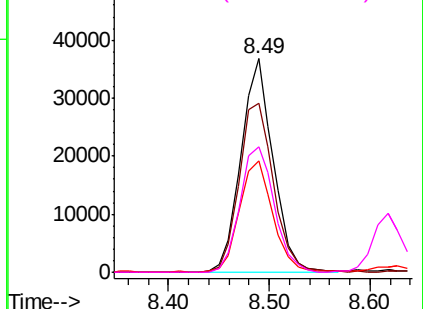


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.853 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

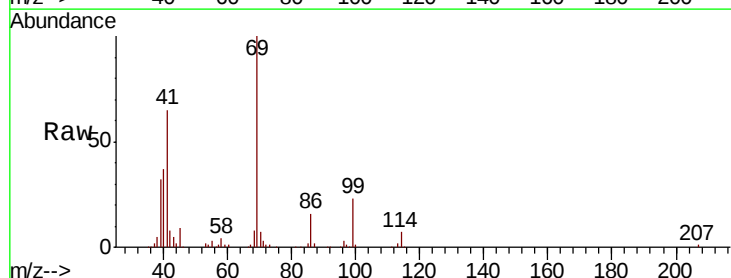
Tgt Ion: 69 Resp: 93290

Ion Ratio Lower Upper

69 100

41 65.3 54.7 82.1

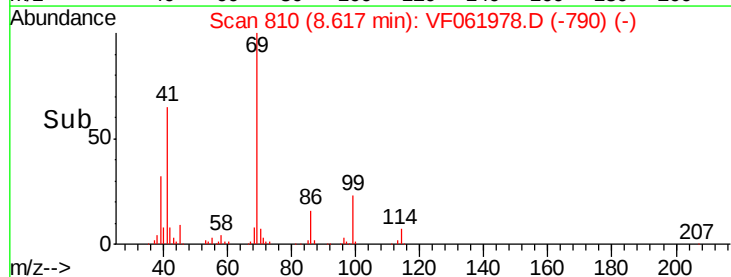
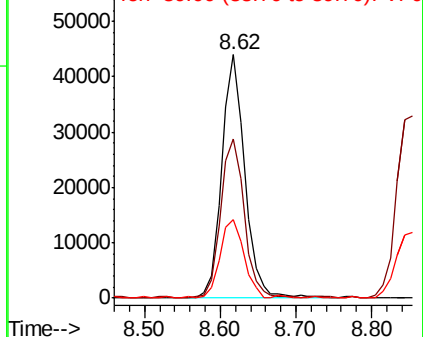
39 32.5 27.9 41.9

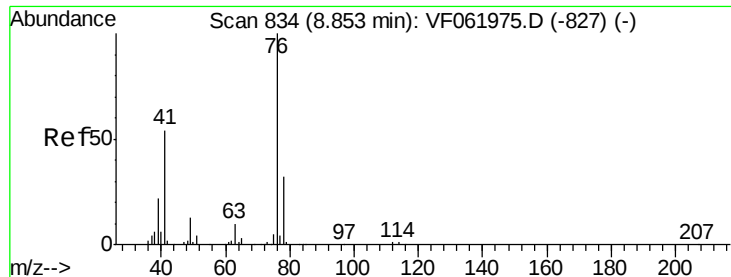


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 46.702 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

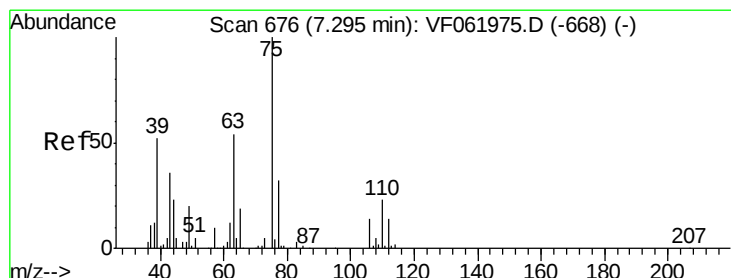
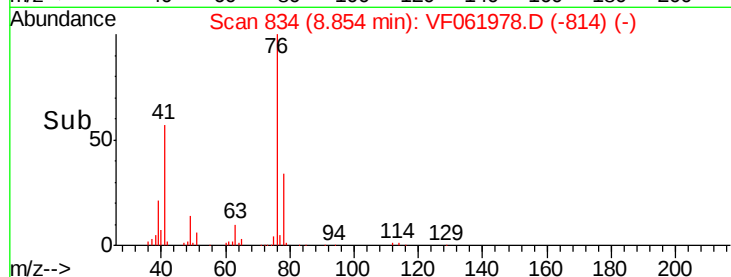
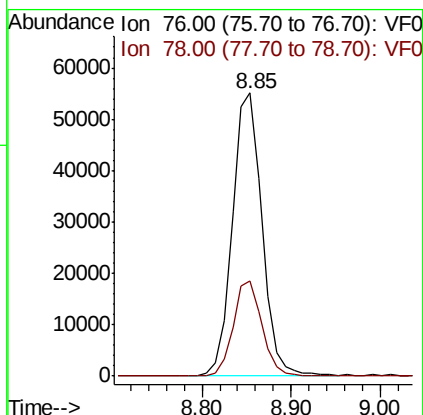
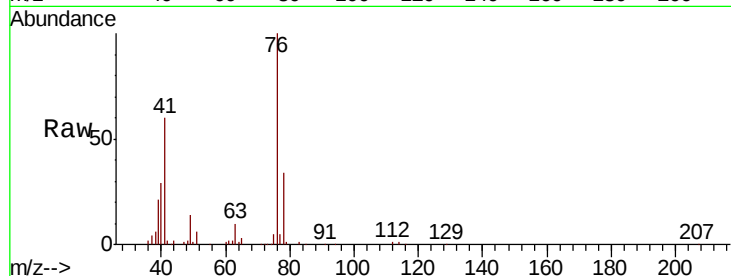
ICVVF031619

Tgt Ion: 76 Resp: 128243

Ion Ratio Lower Upper

76 100

78 33.5 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 247.689 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061978.D

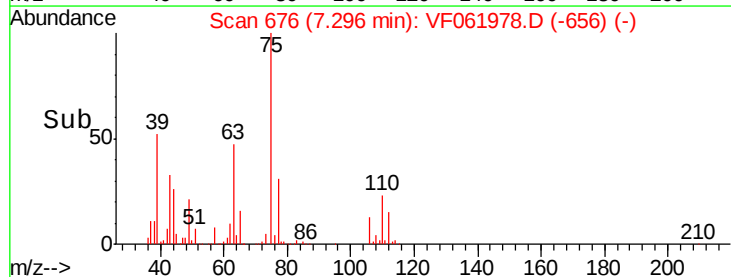
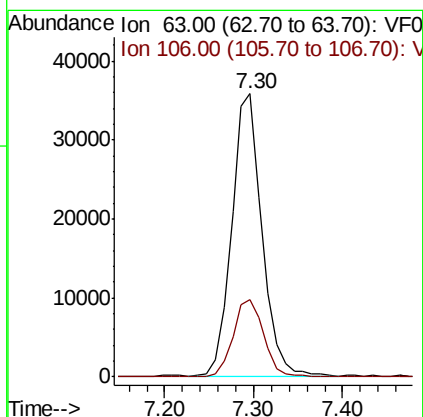
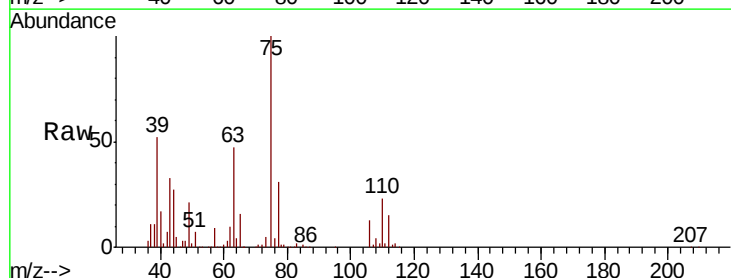
Acq: 16 Mar 2019 15:54

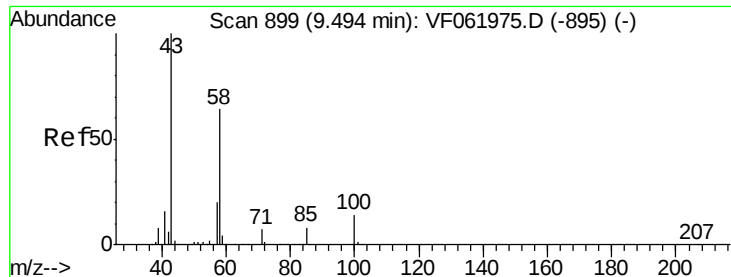
Tgt Ion: 63 Resp: 83952

Ion Ratio Lower Upper

63 100

106 27.1 20.9 31.3

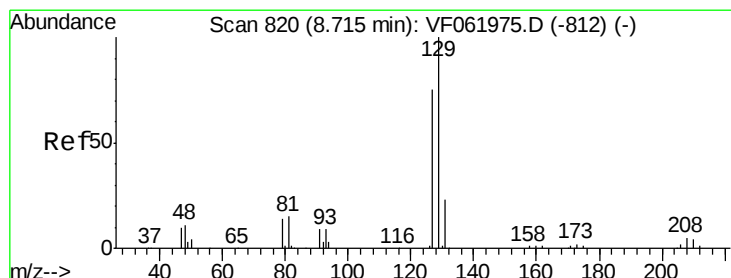
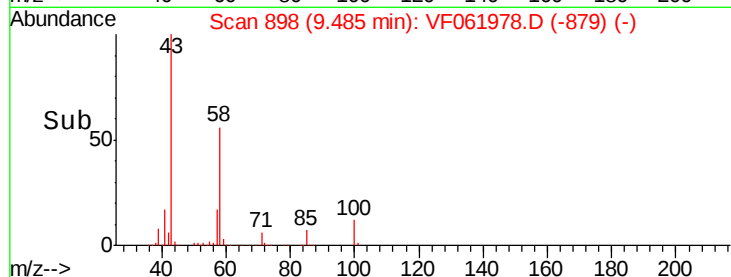
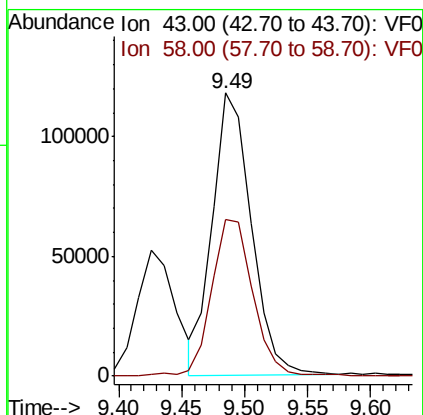
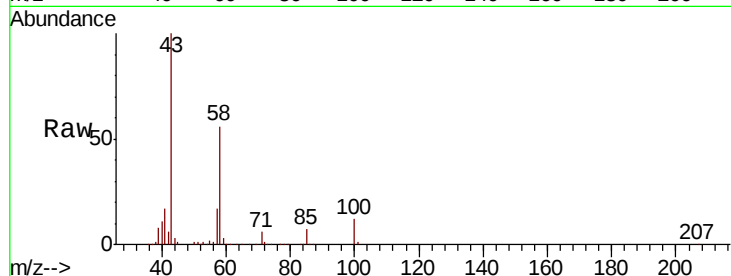




#59
2-Hexanone
Concen: 253.547 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

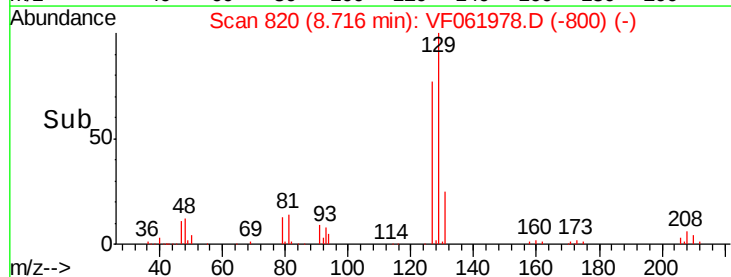
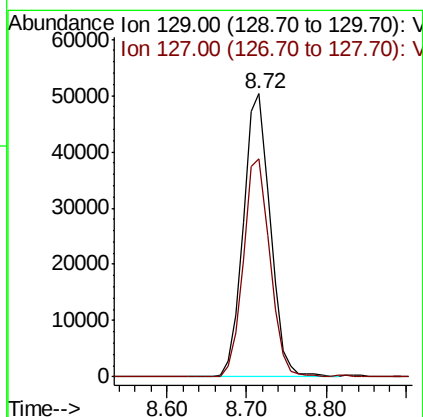
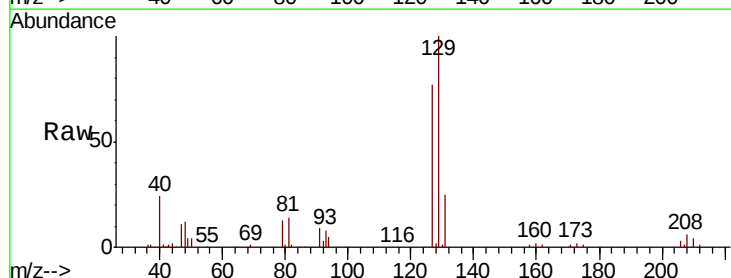
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

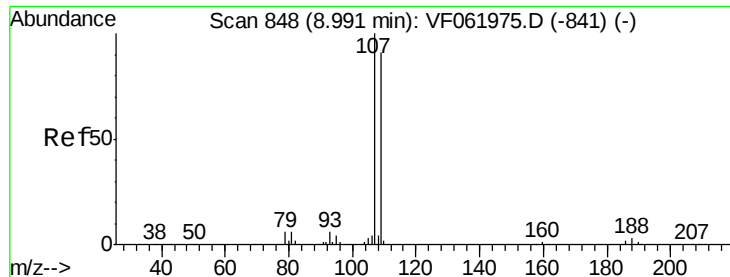
Tgt Ion: 43 Resp: 252180
Ion Ratio Lower Upper
43 100
58 55.6 28.4 85.2



#60
Dibromochloromethane
Concen: 51.178 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 129 Resp: 116957
Ion Ratio Lower Upper
129 100
127 77.0 37.3 111.8





#61

1,2-Dibromoethane

Concen: 50.287 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

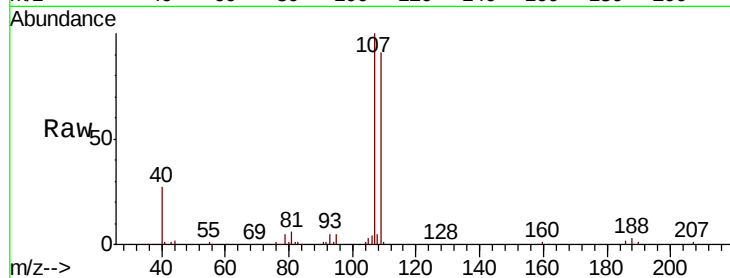
ICVVF031619

Tgt Ion:107 Resp: 88795

Ion Ratio Lower Upper

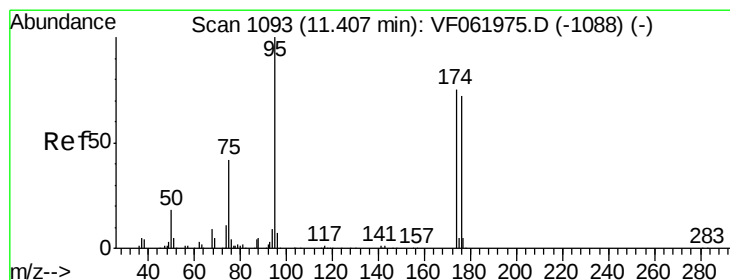
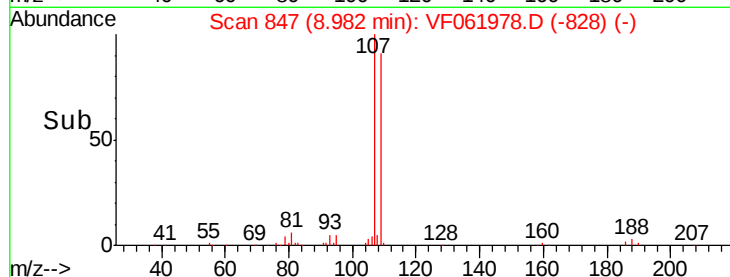
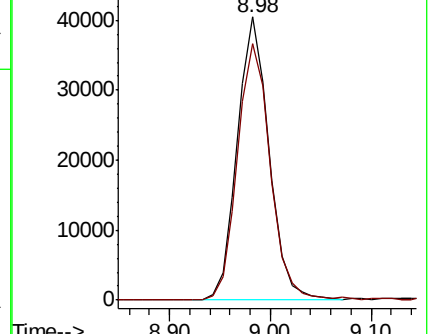
107 100

109 90.7 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.319 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

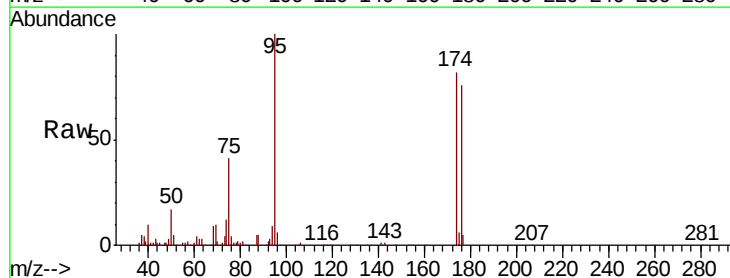
Tgt Ion: 95 Resp: 164595

Ion Ratio Lower Upper

95 100

174 82.1 0.0 149.4

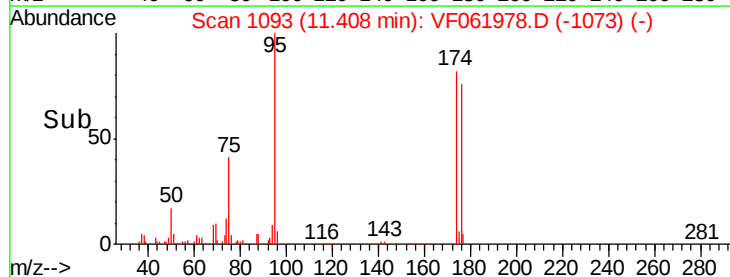
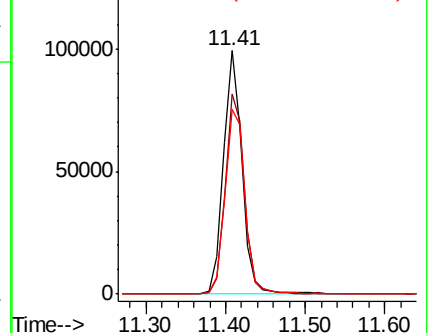
176 75.7 0.0 143.4

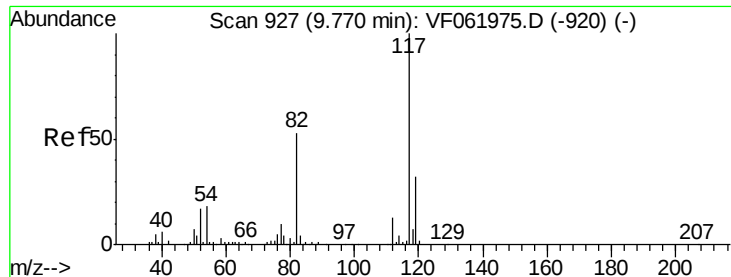


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

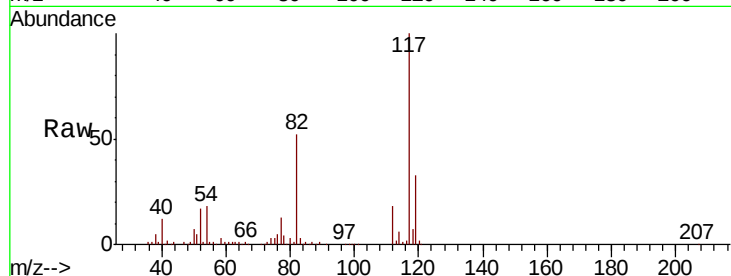




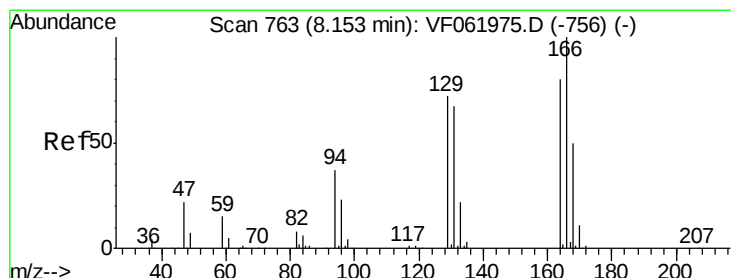
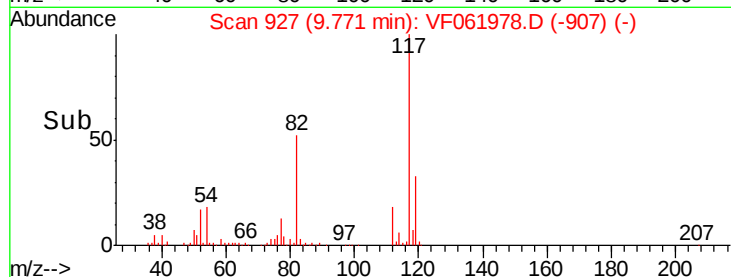
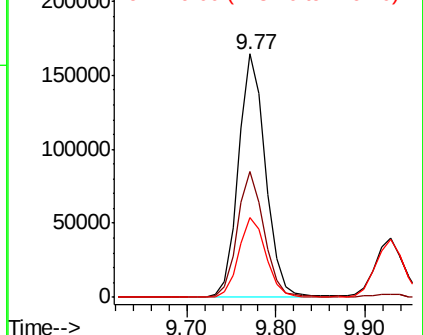
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tgt Ion:117 Resp: 347569
Ion Ratio Lower Upper
117 100
82 51.5 42.5 63.7
119 33.0 25.4 38.0

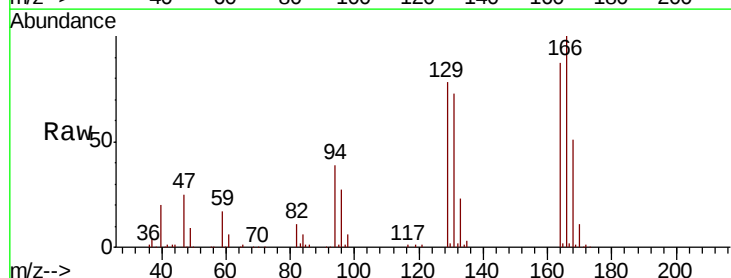


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

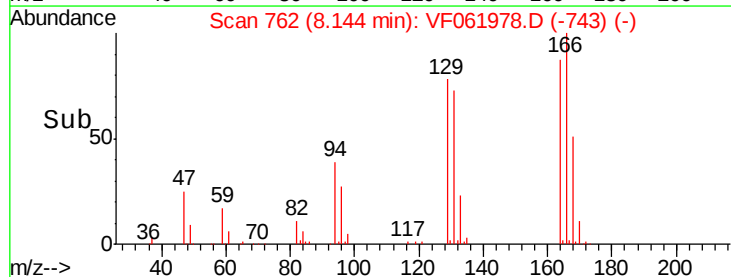
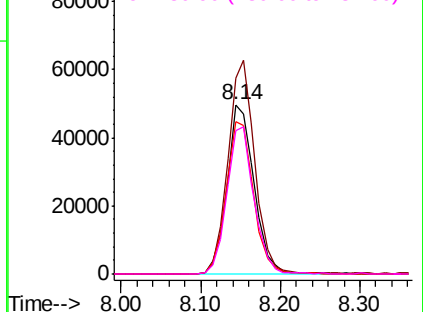


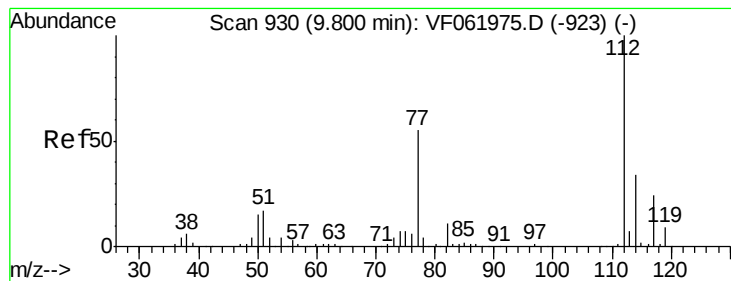
#64
Tetrachloroethene
Concen: 47.046 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion:164 Resp: 118859
Ion Ratio Lower Upper
164 100
166 115.5 100.0 150.0
129 90.3 72.4 108.6
131 84.6 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: 46.641 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

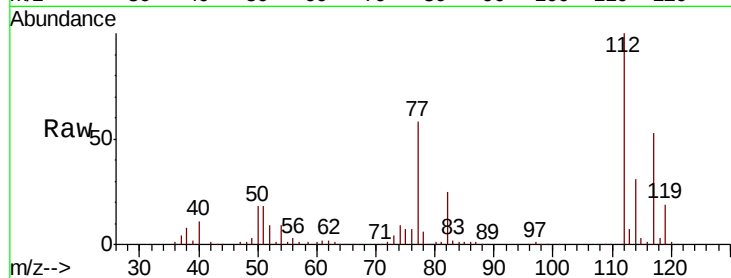
ICVVF031619

Tgt Ion:112 Resp: 301819

Ion Ratio Lower Upper

112 100

114 31.4 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

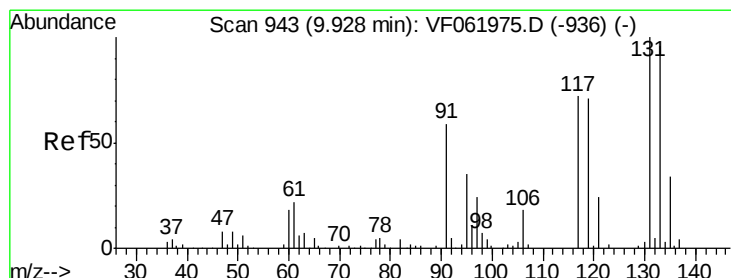
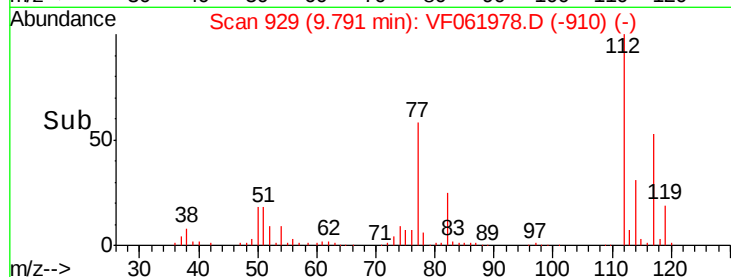
100000

50000

0

9.70 9.80 9.90

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.419 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

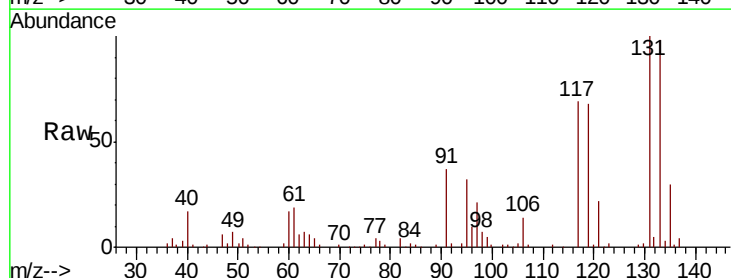
Tgt Ion:131 Resp: 123958

Ion Ratio Lower Upper

131 100

133 98.5 48.0 144.2

119 68.0 35.9 107.7



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

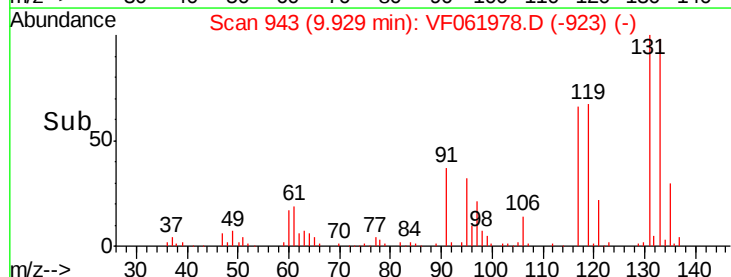
40000

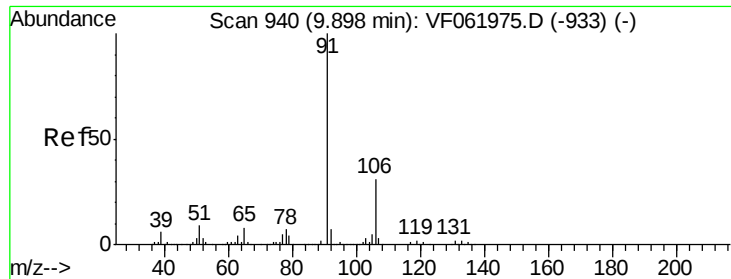
20000

0

9.80 9.90 10.00

Time-->





#67

Ethyl Benzene

Concen: 46.472 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

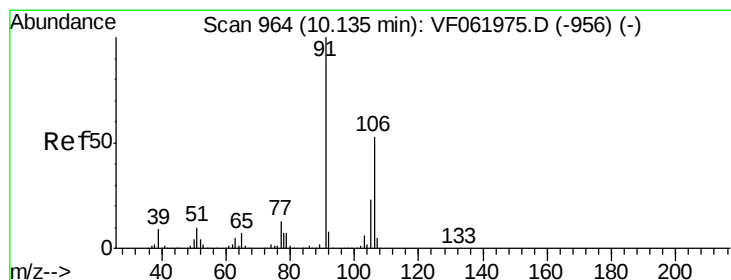
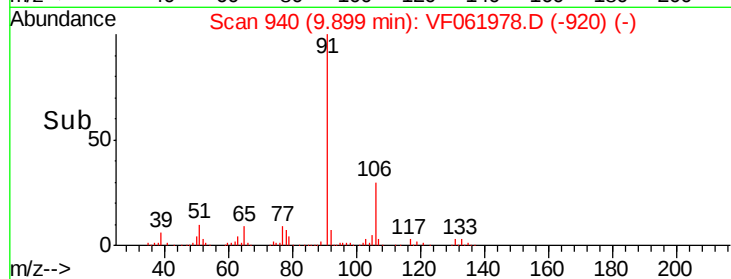
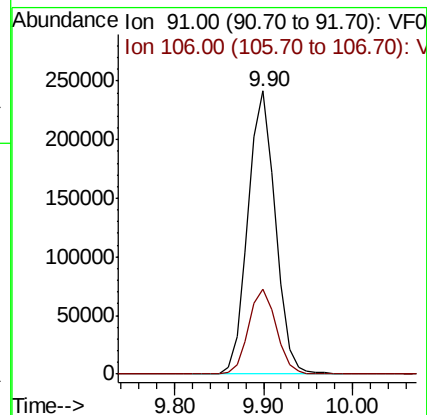
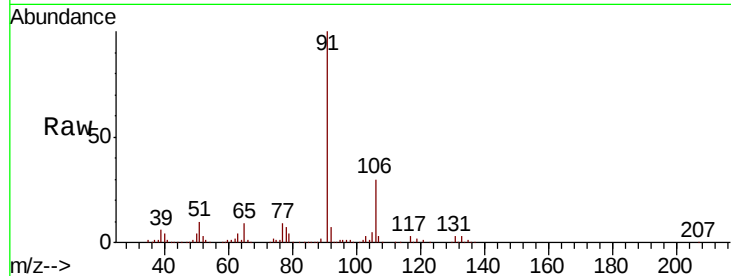
ICVVF031619

Tgt Ion: 91 Resp: 514909

Ion Ratio Lower Upper

91 100

106 30.0 24.4 36.6



#68

m/p-Xylenes

Concen: 93.620 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF061978.D

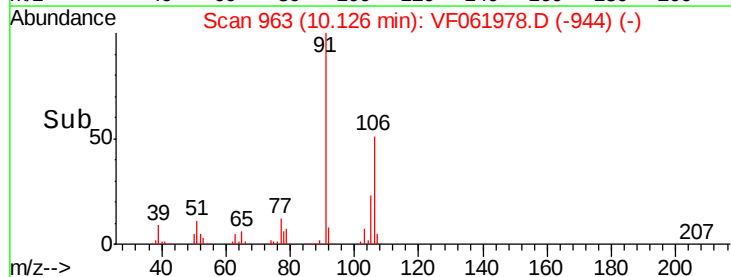
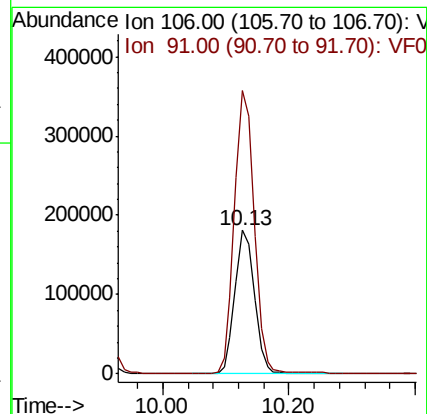
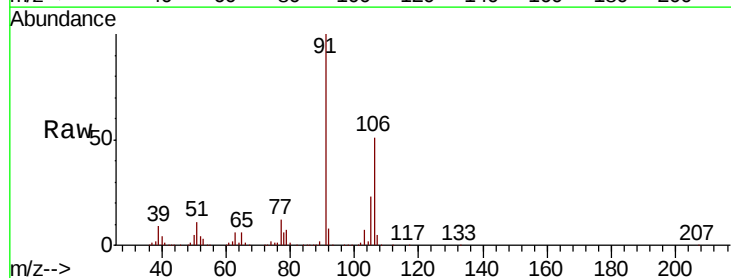
Acq: 16 Mar 2019 15:54

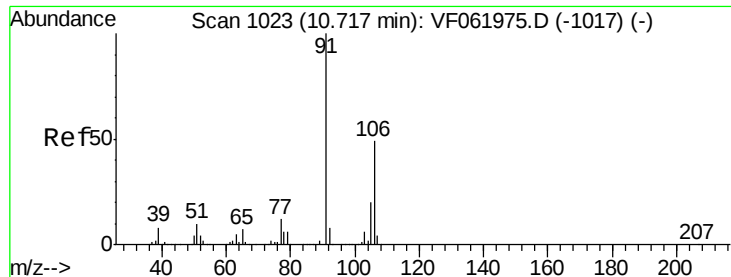
Tgt Ion: 106 Resp: 390139

Ion Ratio Lower Upper

106 100

91 197.0 151.9 227.9

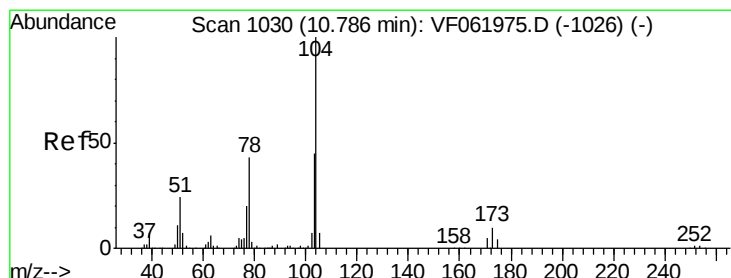
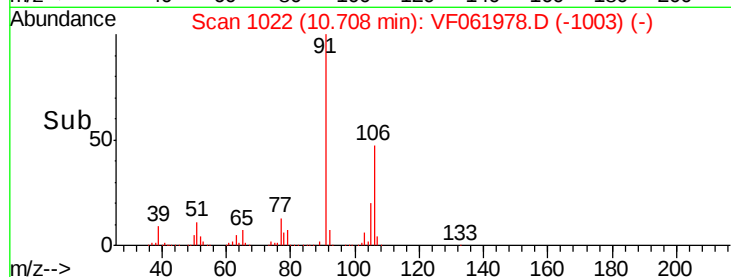
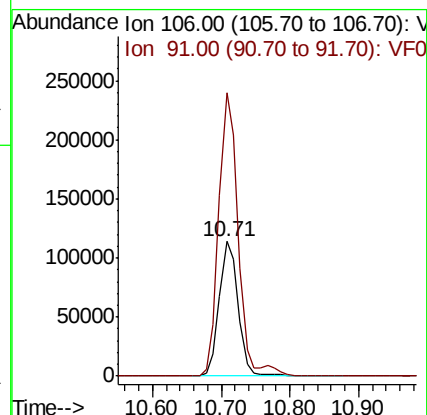
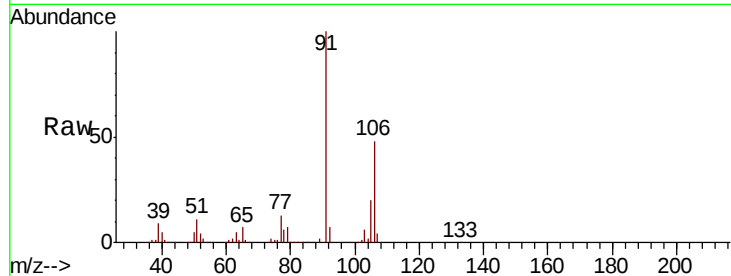




#69
o-Xylene
Concen: 48.548 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

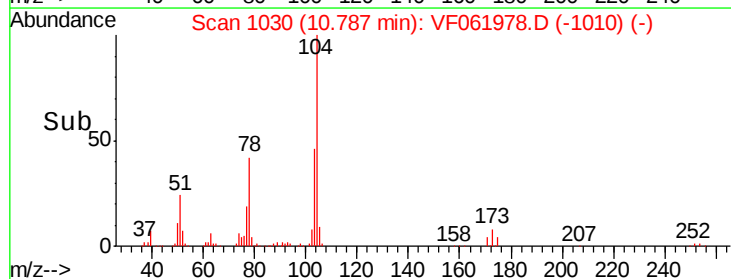
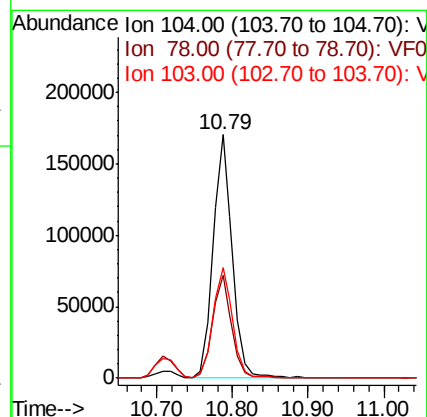
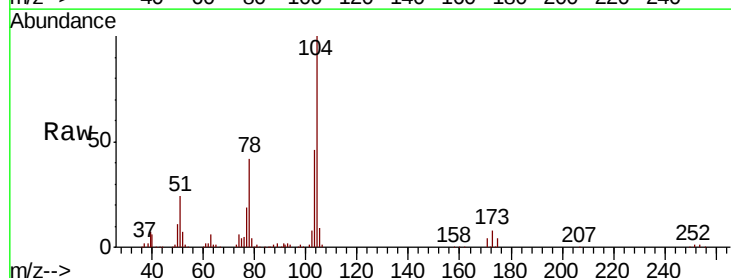
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

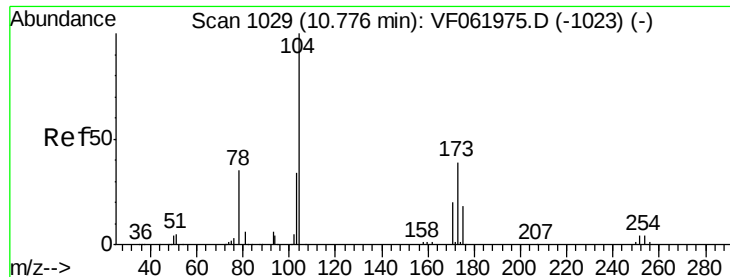
Tgt Ion:106 Resp: 216479
Ion Ratio Lower Upper
106 100
91 210.5 102.3 306.8



#70
Styrene
Concen: 48.499 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion:104 Resp: 299608
Ion Ratio Lower Upper
104 100
78 42.1 34.7 52.1
103 45.5 36.6 54.8





#71

Bromoform

Concen: 51.138 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

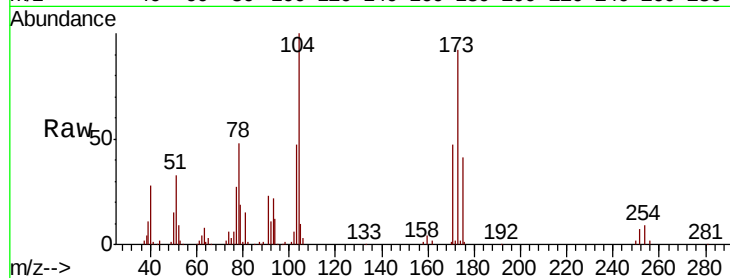
Tgt Ion:173 Resp: 64881

Ion Ratio Lower Upper

173 100

175 45.3 23.7 71.1

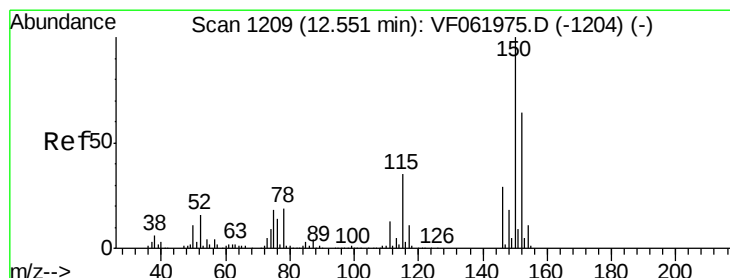
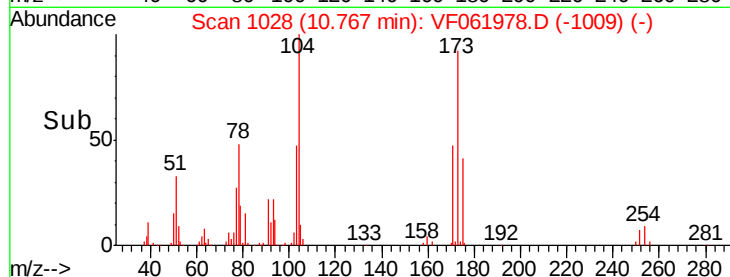
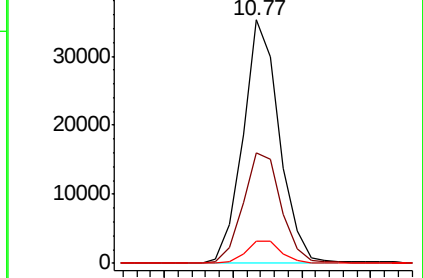
254 9.3 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

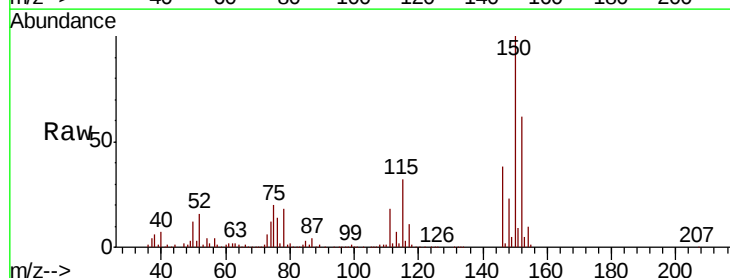
Tgt Ion:152 Resp: 180271

Ion Ratio Lower Upper

152 100

115 51.9 27.3 81.9

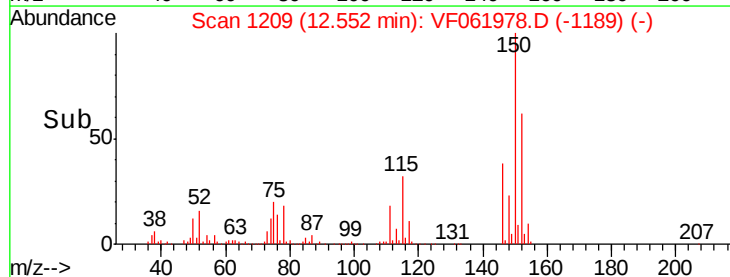
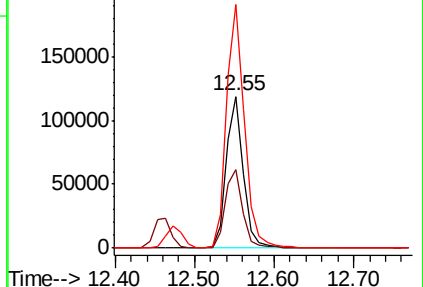
150 160.2 0.0 316.2

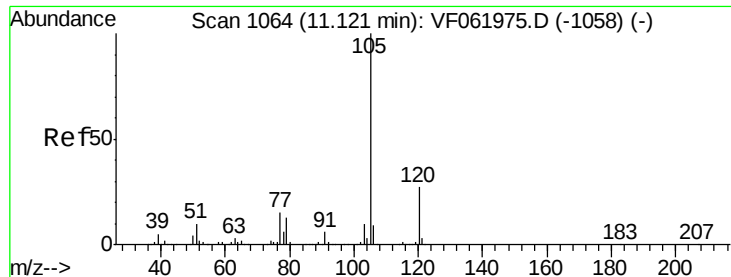


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.113 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

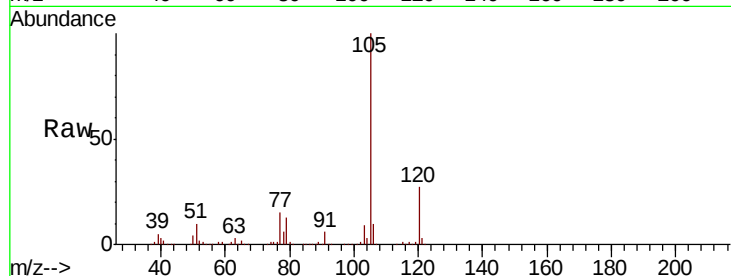
ICVVF031619

Tgt Ion: 105 Resp: 624122

Ion Ratio Lower Upper

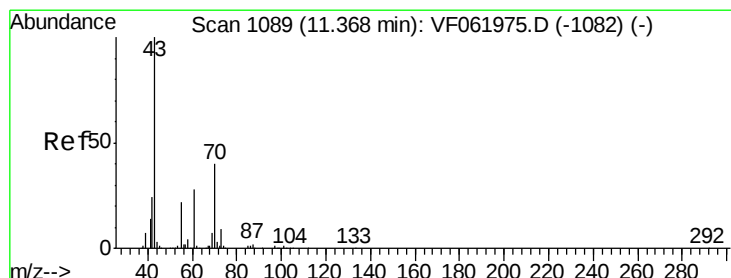
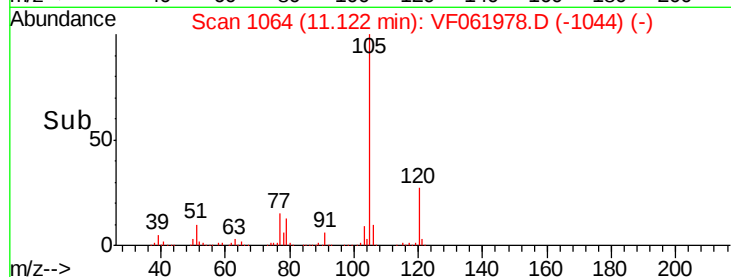
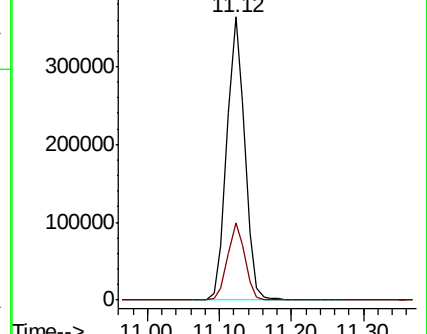
105 100

120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.006 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Tgt Ion: 43 Resp: 148411

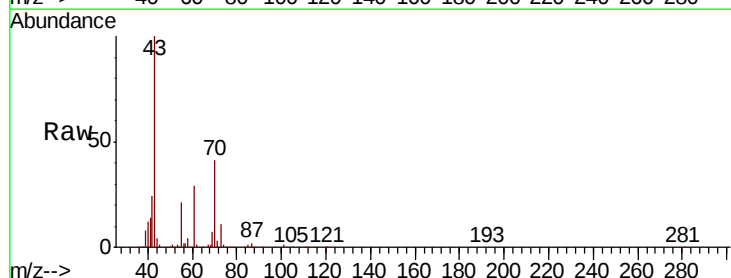
Ion Ratio Lower Upper

43 100

70 40.6 31.9 47.9

55 20.6 17.9 26.9

61 28.7 22.2 33.2

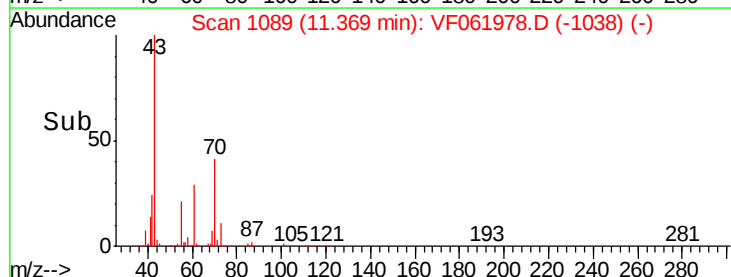
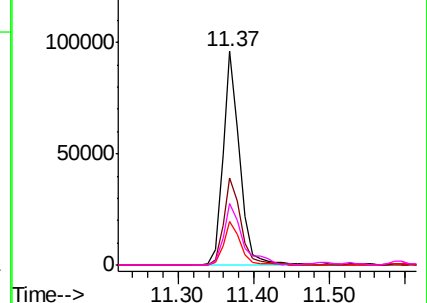


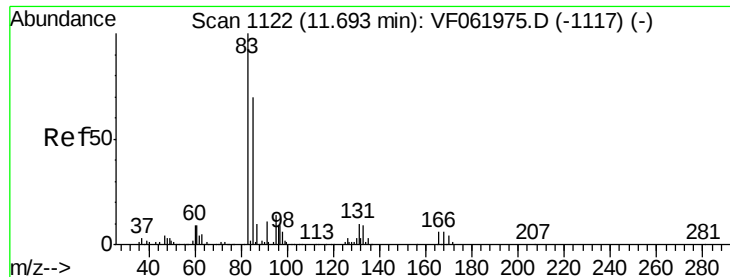
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.366 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

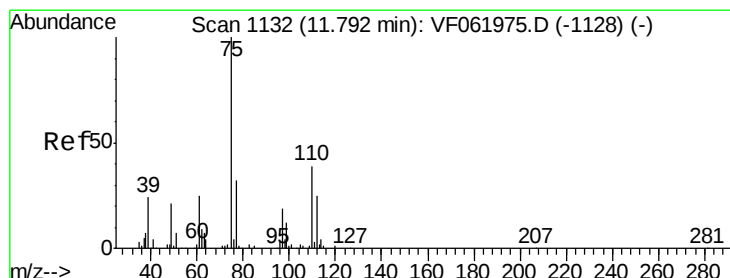
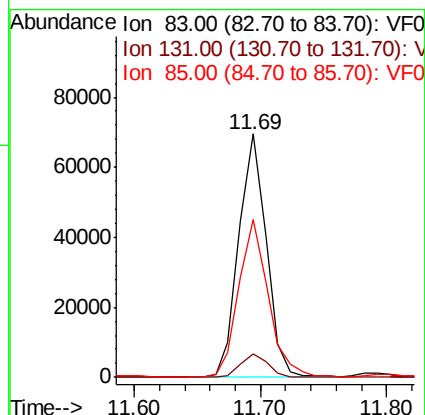
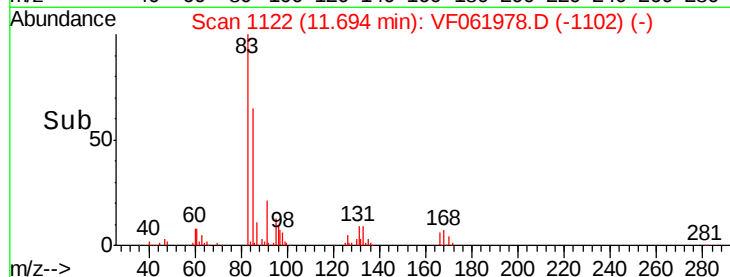
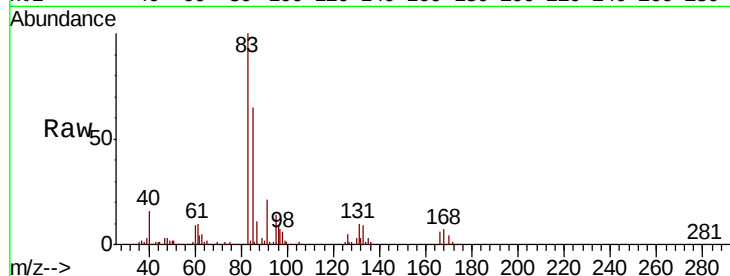
Tgt Ion: 83 Resp: 105593

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 65.0 35.3 105.9



#76

1,2,3-Trichloropropane

Concen: 51.125 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061978.D

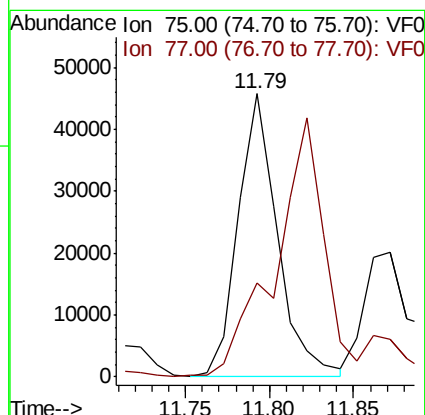
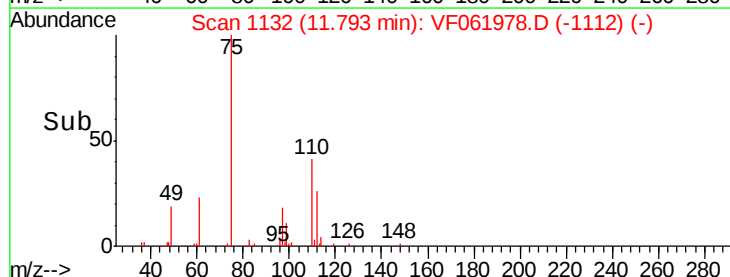
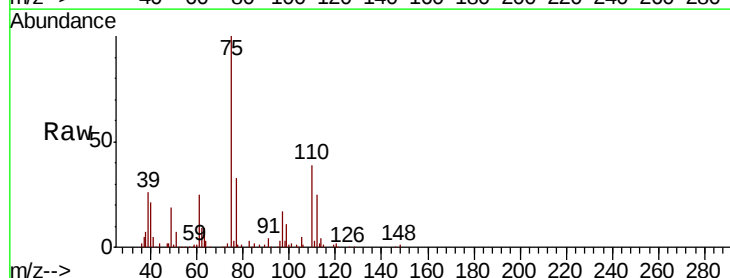
Acq: 16 Mar 2019 15:54

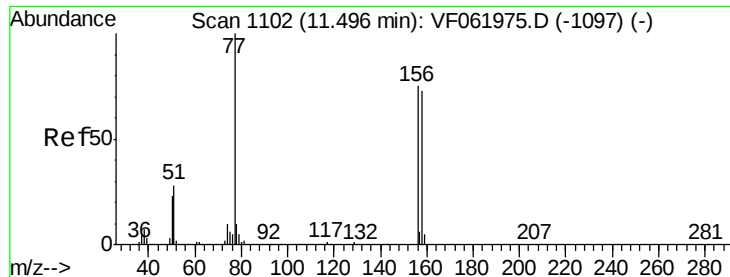
Tgt Ion: 75 Resp: 73491

Ion Ratio Lower Upper

75 100

77 33.2 16.4 49.2

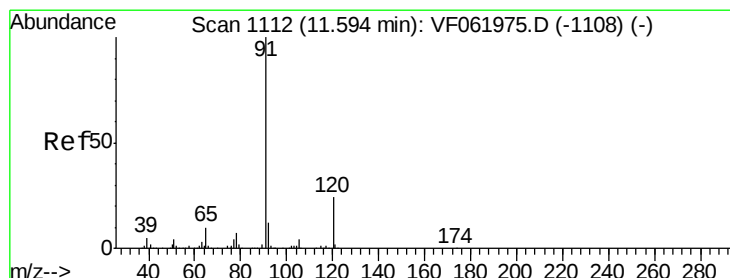
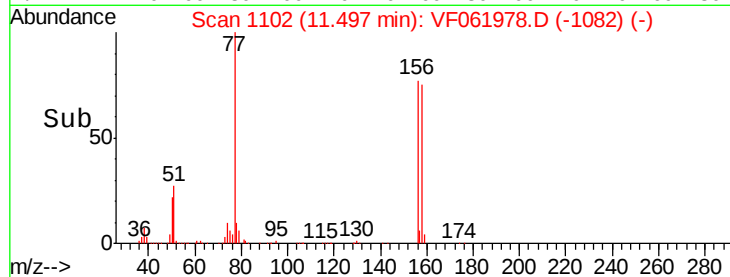
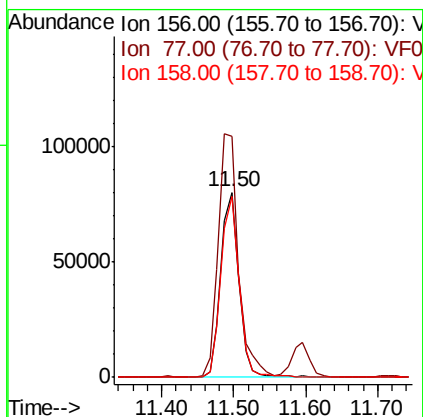
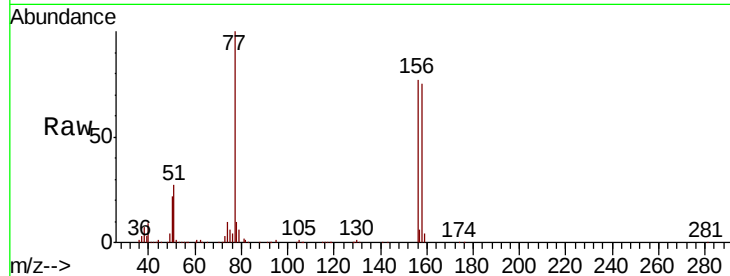




#77
Bromobenzene
Concen: 48.834 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

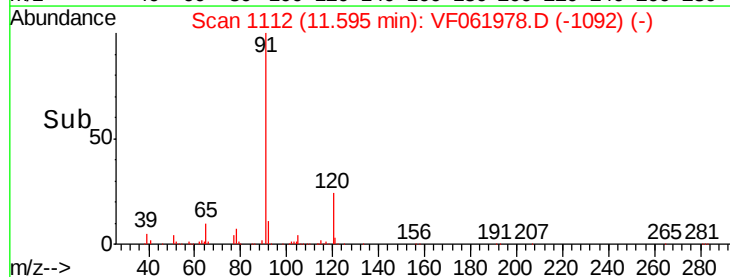
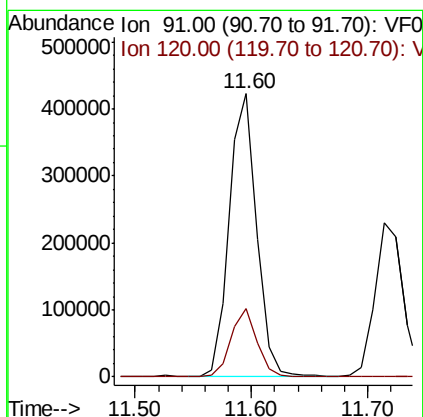
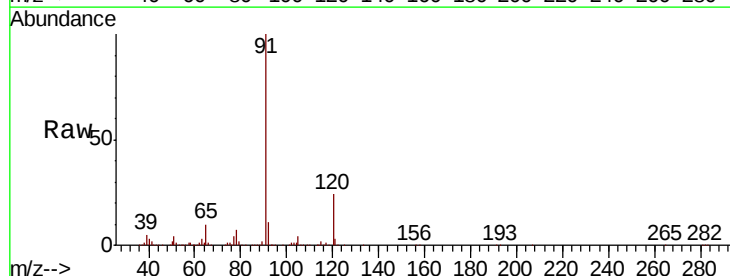
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

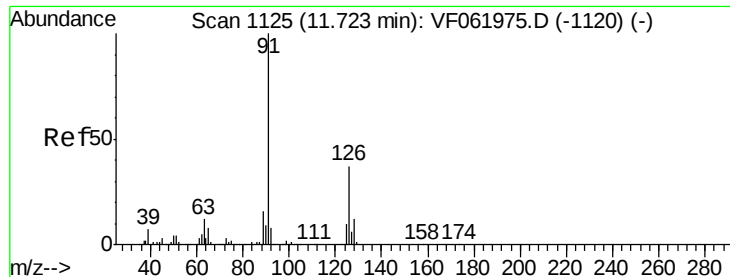
Tgt Ion: 156 Resp: 140845
Ion Ratio Lower Upper
156 100
77 130.6 67.0 201.0
158 97.9 48.9 146.7



#78
n-propylbenzene
Concen: 47.894 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 91 Resp: 685861
Ion Ratio Lower Upper
91 100
120 24.1 11.8 35.3





#79

2-Chlorotoluene

Concen: 47.035 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

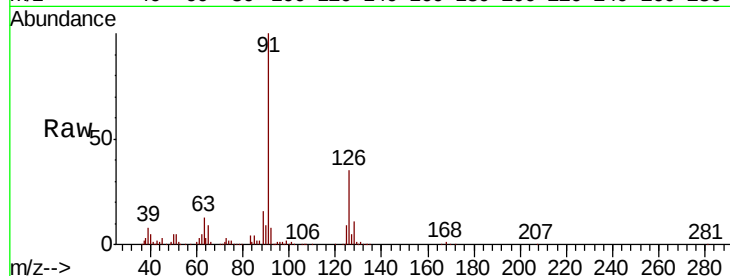
ICVVF031619

Tgt Ion: 91 Resp: 380194

Ion Ratio Lower Upper

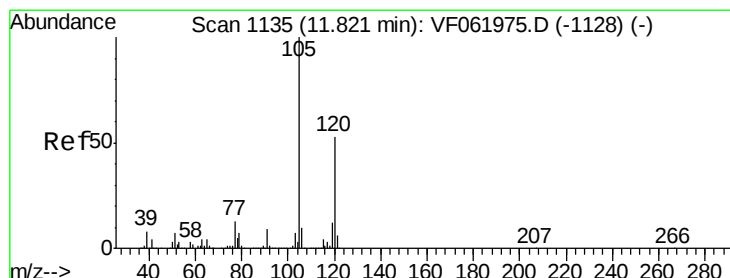
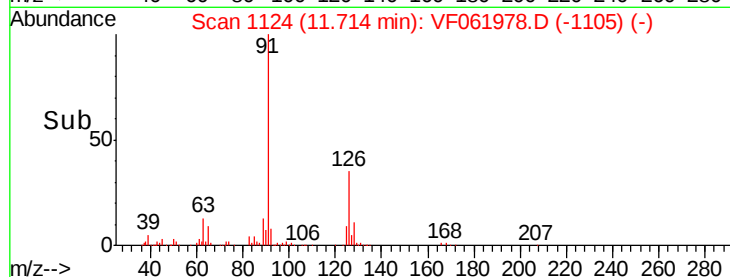
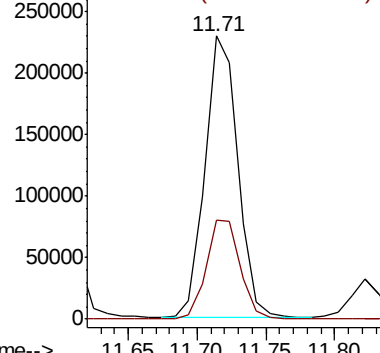
91 100

126 34.9 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.842 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061978.D

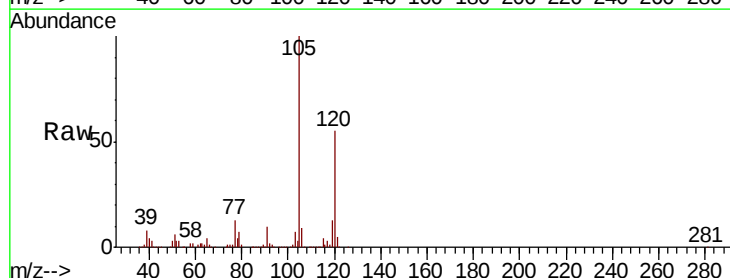
Acq: 16 Mar 2019 15:54

Tgt Ion: 105 Resp: 491363

Ion Ratio Lower Upper

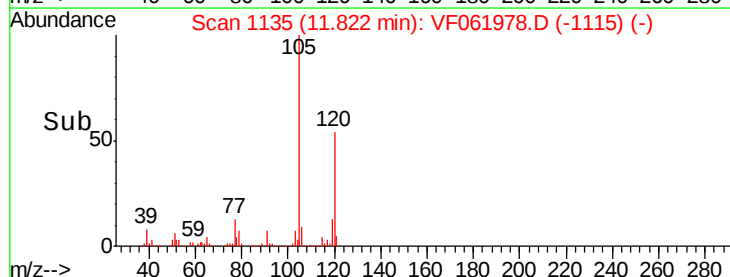
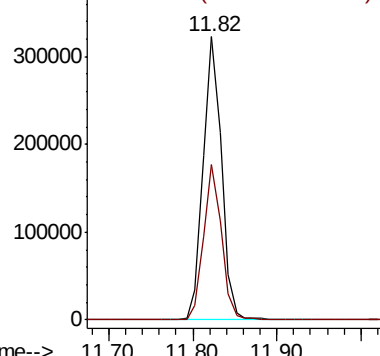
105 100

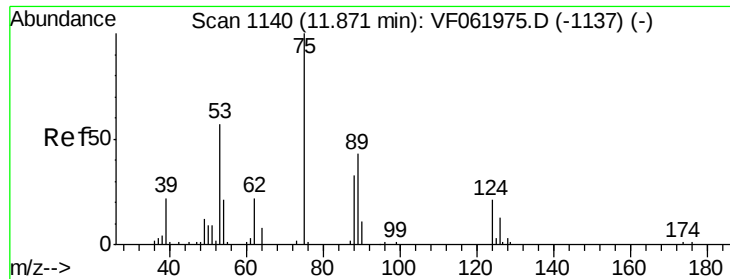
120 55.0 26.6 79.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.548 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

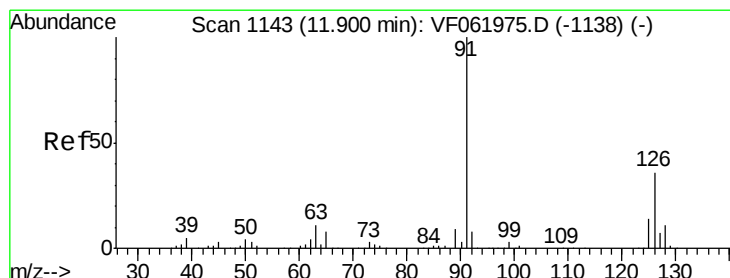
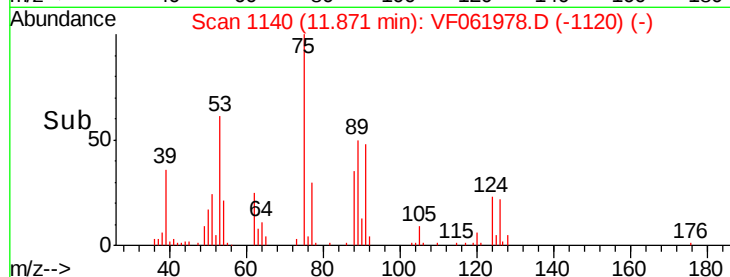
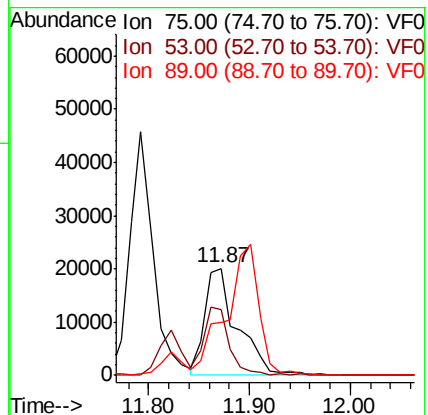
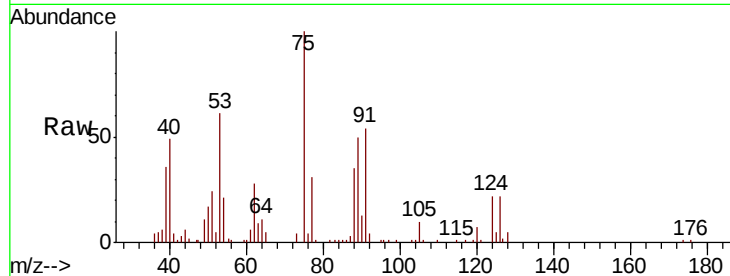
Tgt Ion: 75 Resp: 45499

Ion Ratio Lower Upper

75 100

53 60.8 49.0 73.6

89 49.9 37.1 55.7



#82

4-Chlorotoluene

Concen: 47.666 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF061978.D

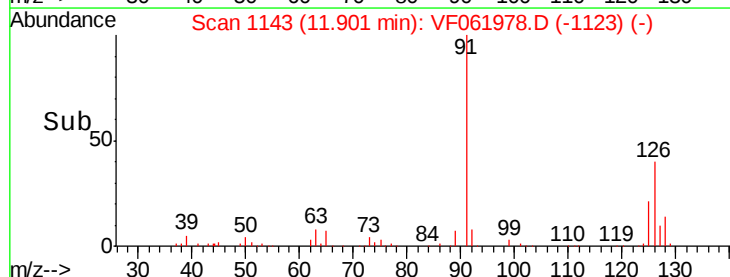
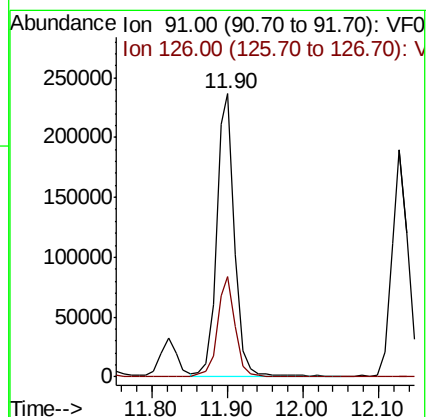
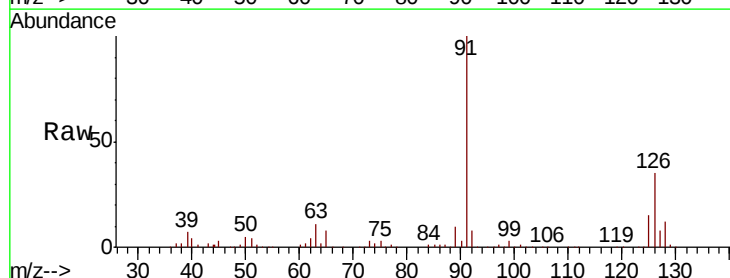
Acq: 16 Mar 2019 15:54

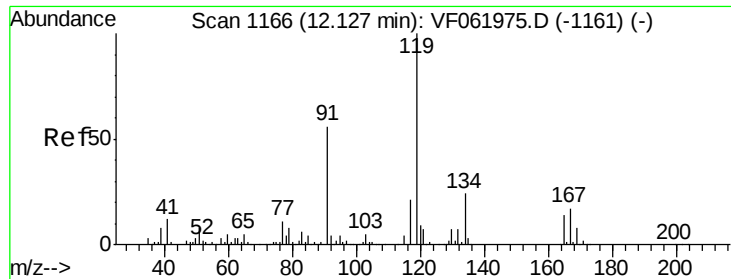
Tgt Ion: 91 Resp: 389635

Ion Ratio Lower Upper

91 100

126 35.5 18.1 54.1

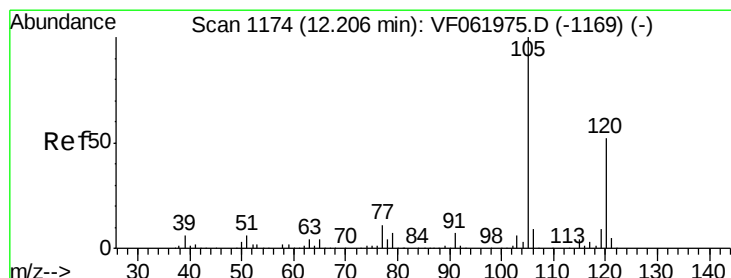
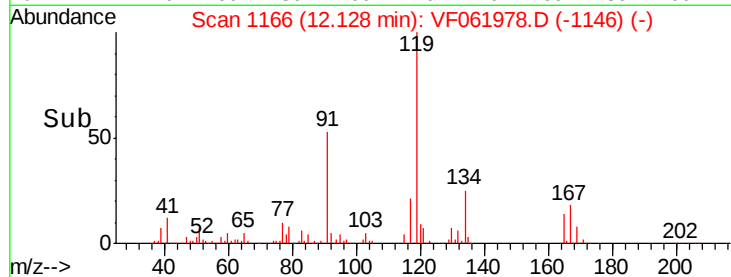
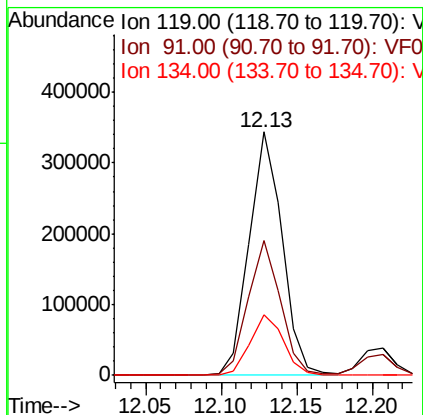
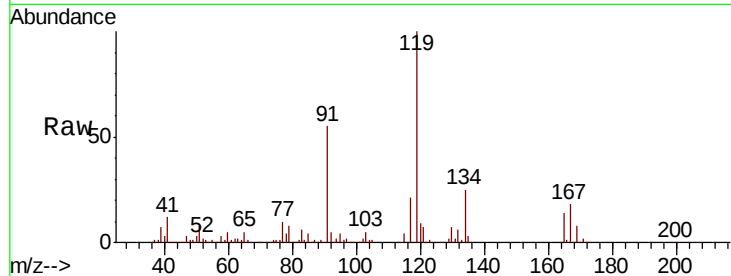




#83
 tert-Butylbenzene
 Concen: 50.086 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

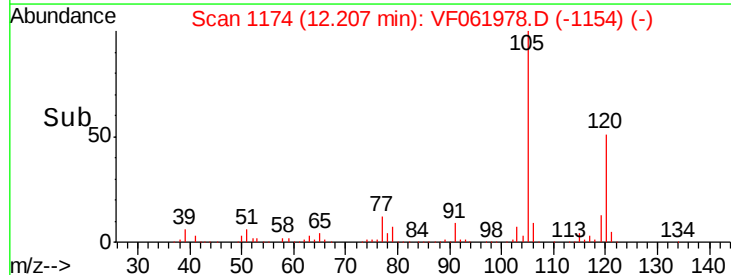
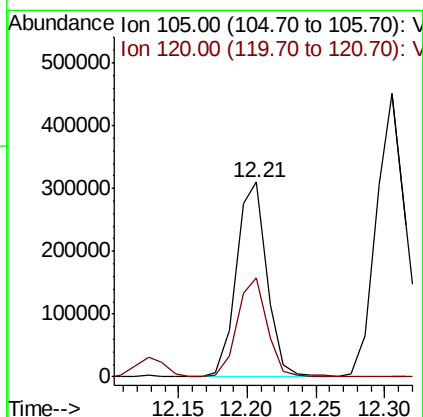
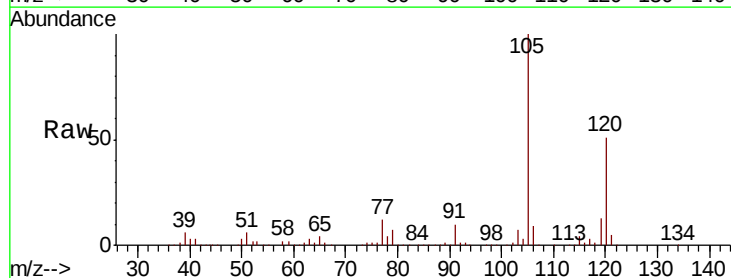
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF031619

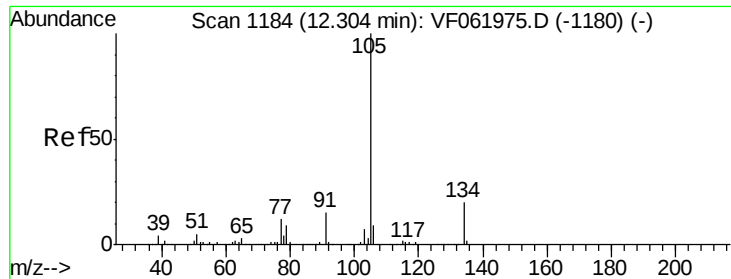
Tgt Ion:119 Resp: 526965
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.9 83.6
 134 25.0 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.471 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion:105 Resp: 478354
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.9 77.8





#85

sec-Butylbenzene

Concen: 47.435 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

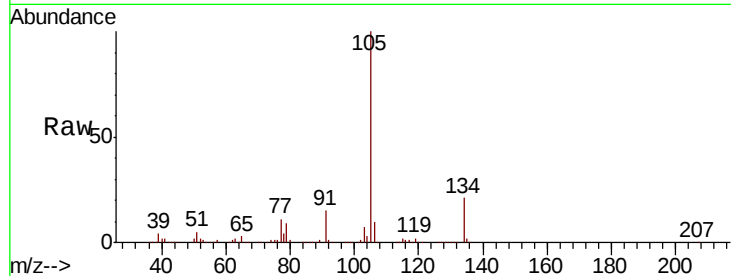
ICVVF031619

Tgt Ion:105 Resp: 674295

Ion Ratio Lower Upper

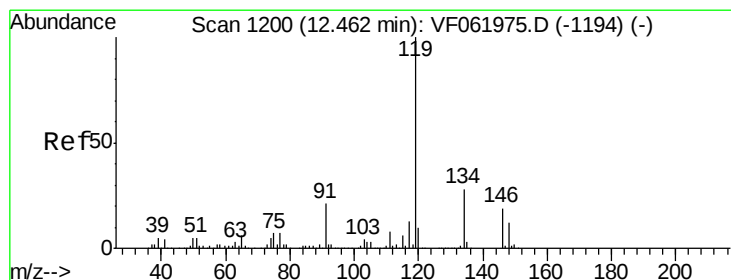
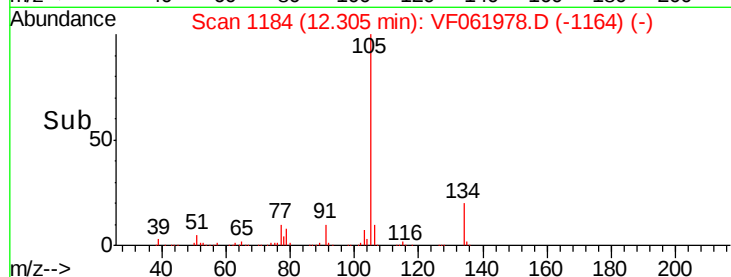
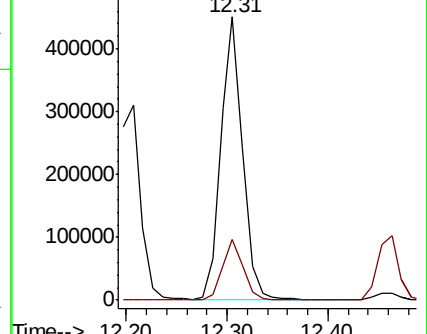
105 100

134 21.3 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.711 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

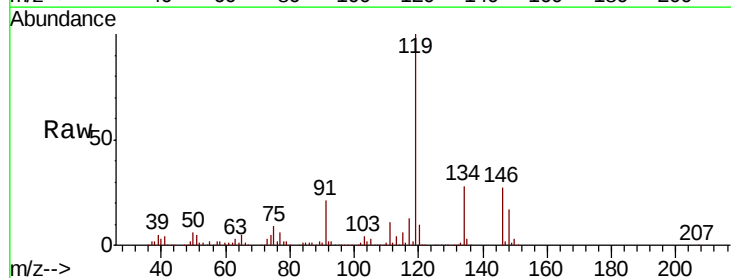
Tgt Ion:119 Resp: 577790

Ion Ratio Lower Upper

119 100

134 27.7 13.9 41.7

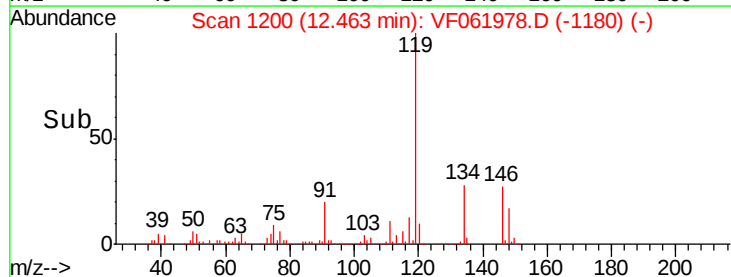
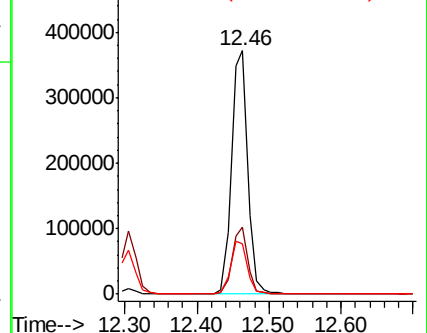
91 20.5 10.4 31.1

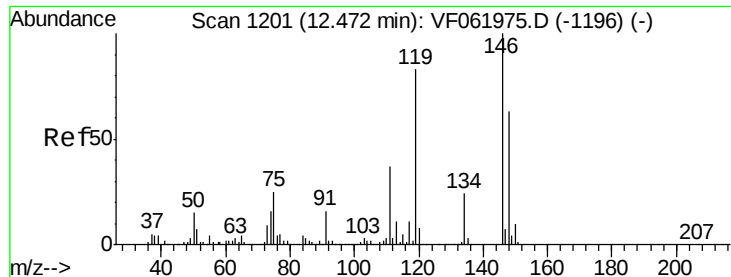


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

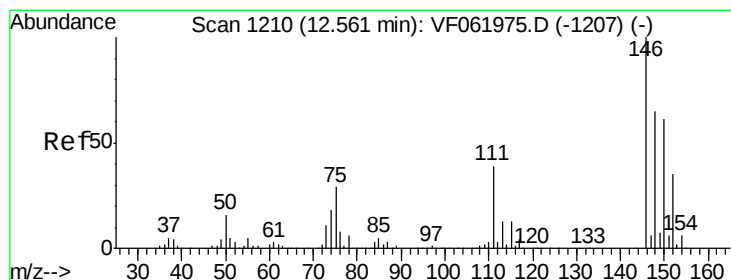
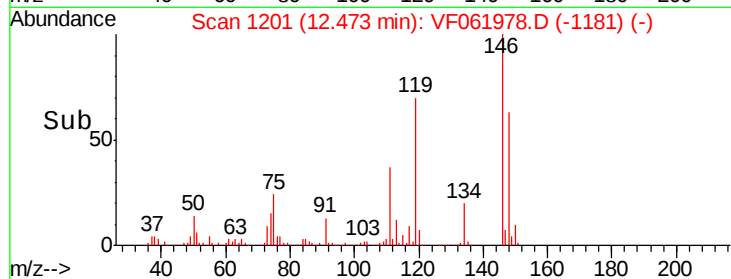
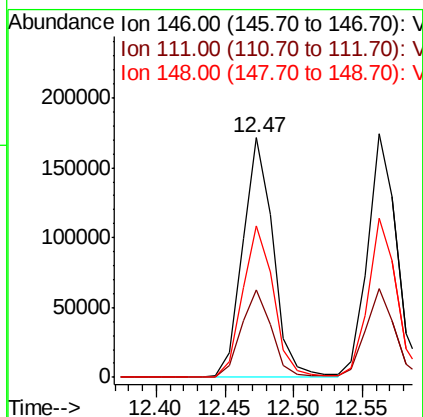
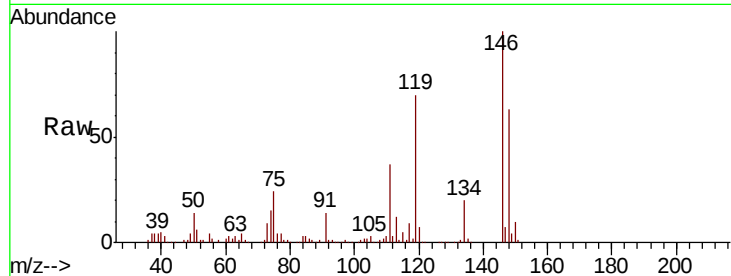




#87
 1,3-Dichlorobenzene
 Concen: 46.905 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

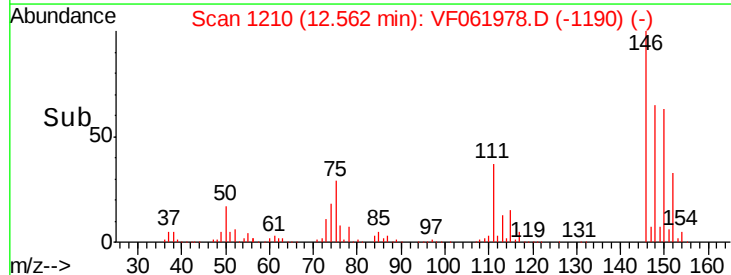
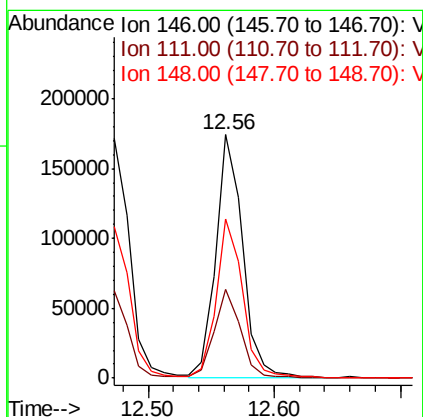
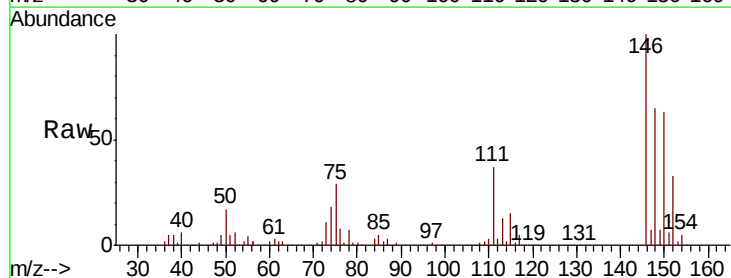
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV031619

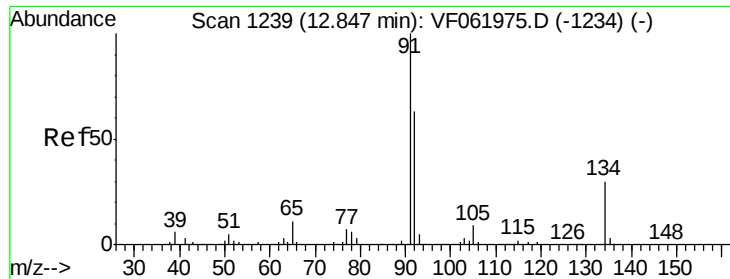
Tgt Ion:146 Resp: 265884
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 63.4 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 46.941 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion:146 Resp: 256113
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.1
 148 65.1 32.4 97.0

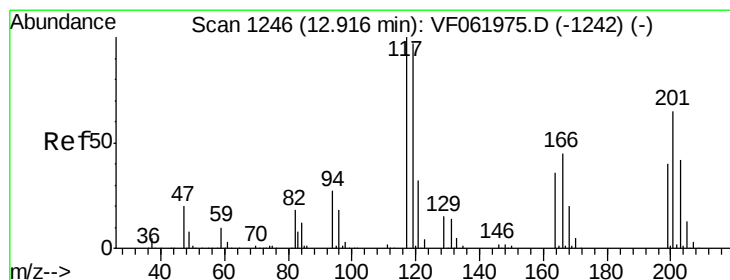
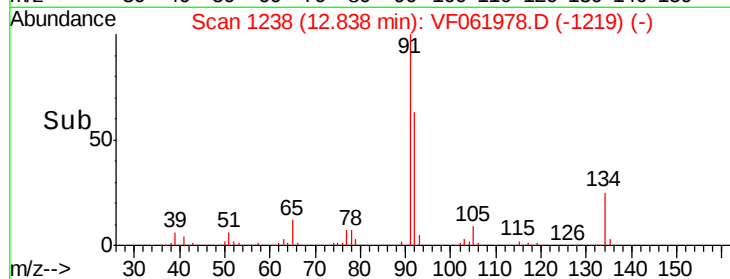
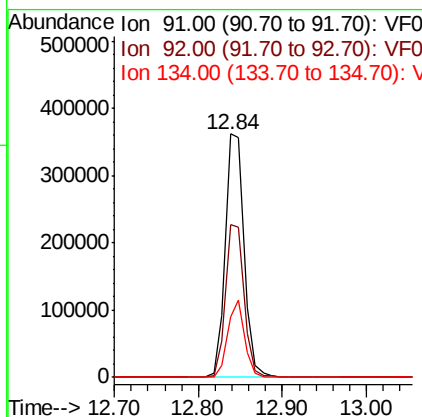
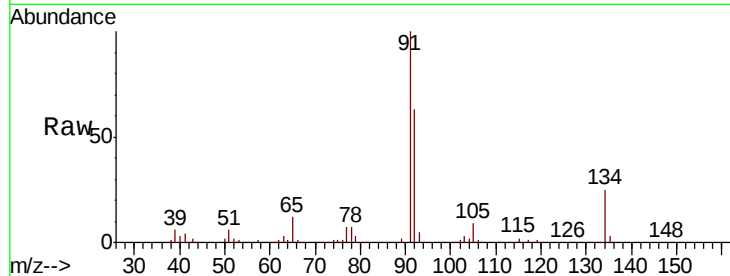




#89
n-Butylbenzene
Concen: 50.616 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

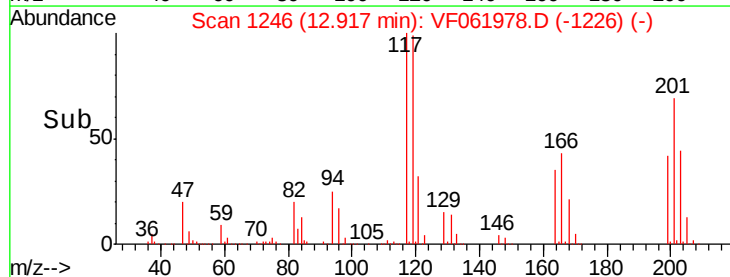
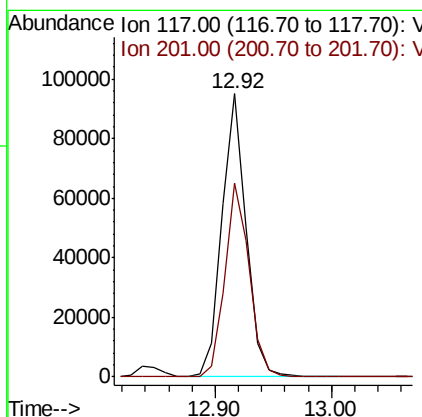
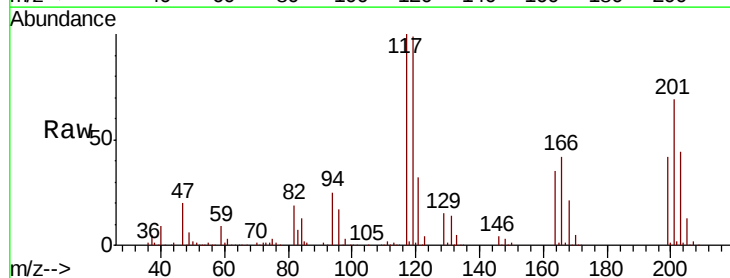
Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

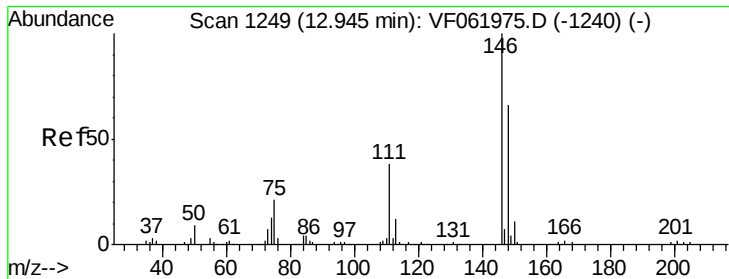
Tgt Ion: 91 Resp: 564158
Ion Ratio Lower Upper
91 100
92 62.6 31.7 95.1
134 25.1 15.1 45.3



#90
Hexachloroethane
Concen: 50.615 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion: 117 Resp: 137012
Ion Ratio Lower Upper
117 100
201 68.7 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 50.362 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

Instrument :

MSVOA_F

ClientSampleId :

ICVVF031619

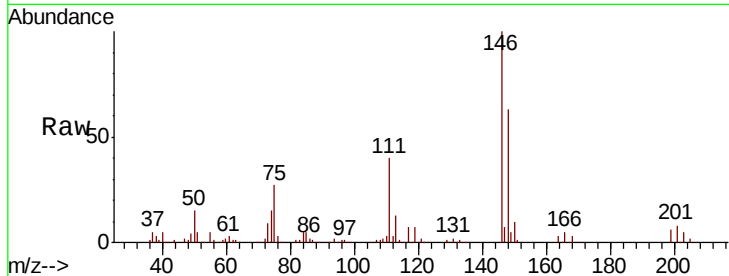
Tgt Ion:146 Resp: 264407

Ion Ratio Lower Upper

146 100

111 39.6 18.9 56.5

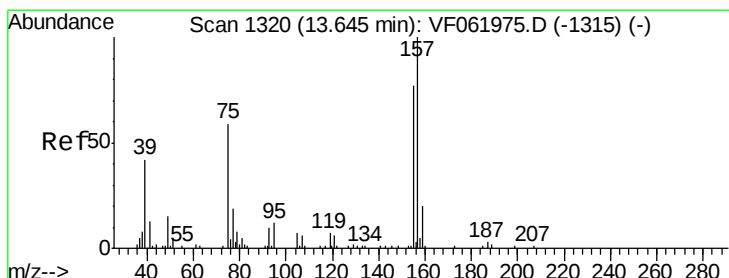
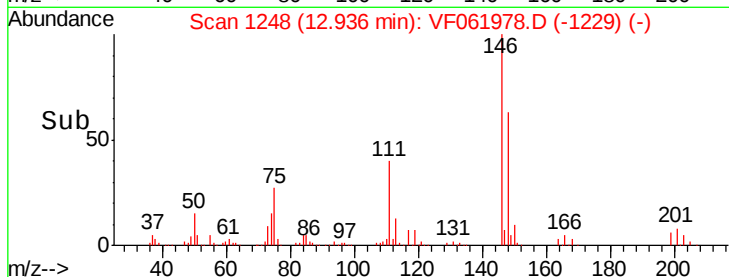
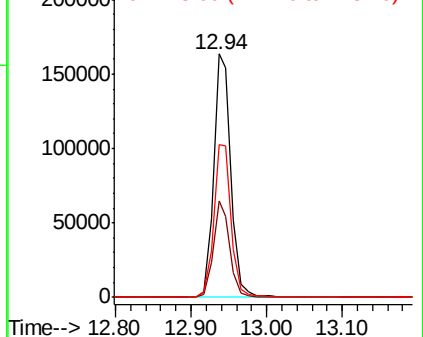
148 63.0 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.573 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF061978.D

Acq: 16 Mar 2019 15:54

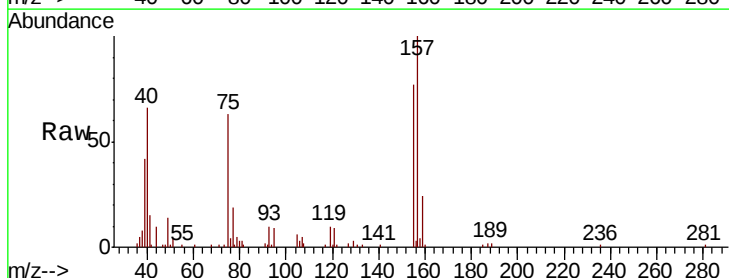
Tgt Ion: 75 Resp: 17343

Ion Ratio Lower Upper

75 100

155 123.2 65.0 195.1

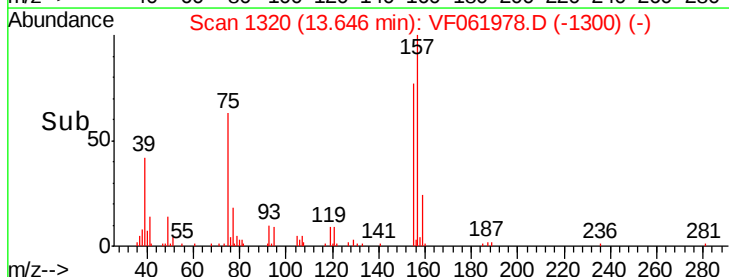
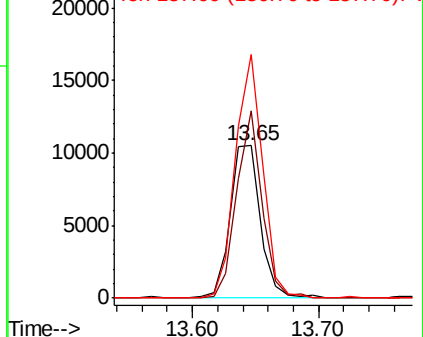
157 160.0 84.7 254.0

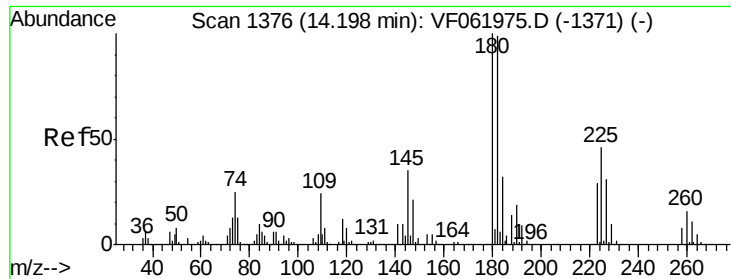


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

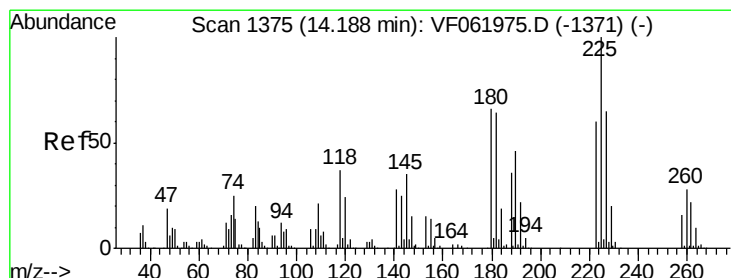
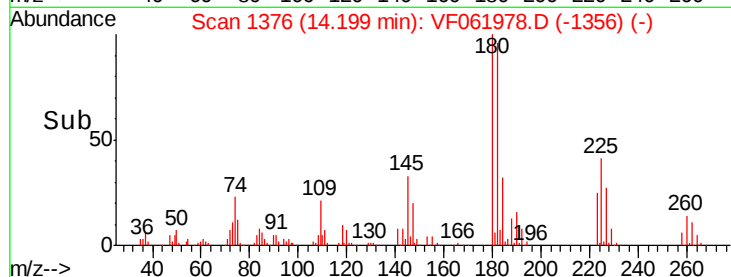
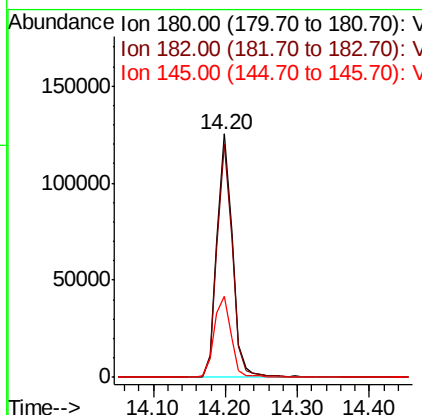
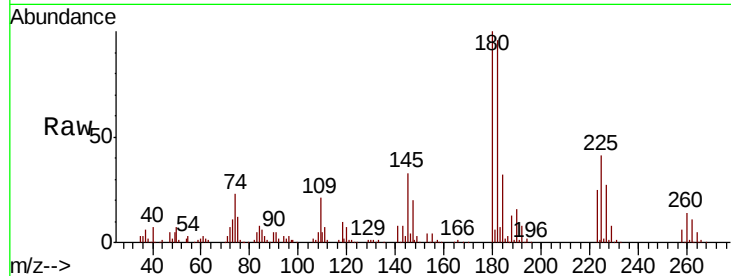




#93
 1,2,4-Trichlorobenzene
 Concen: 50.689 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

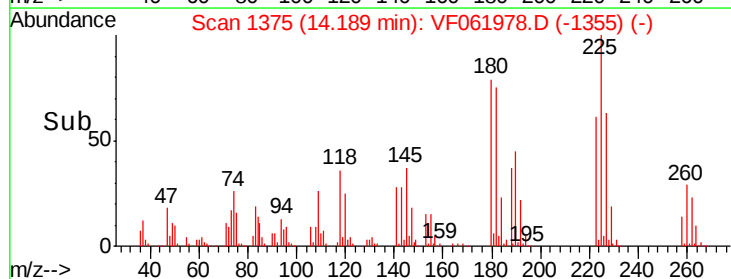
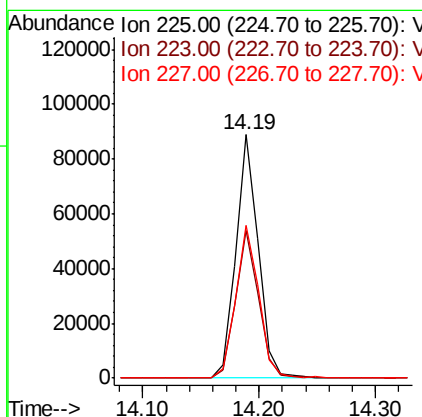
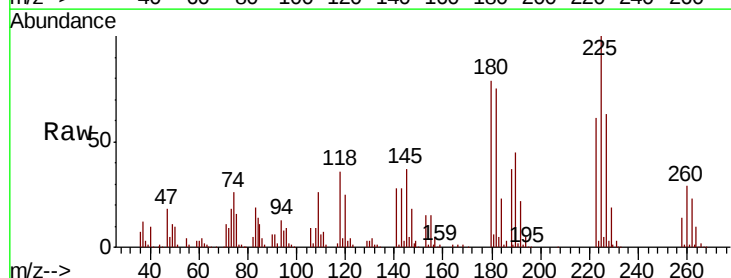
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV031619

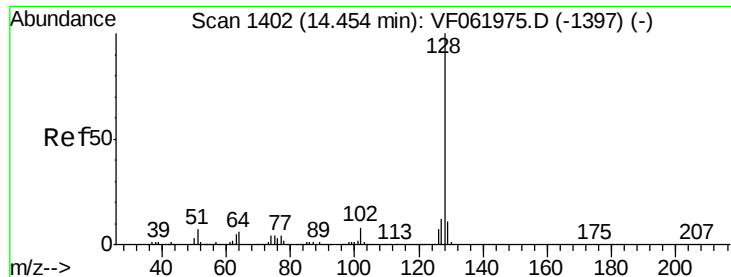
Tgt Ion:180 Resp: 185319
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.6 149.0
 145 33.4 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 48.941 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061978.D
 Acq: 16 Mar 2019 15:54

Tgt Ion:225 Resp: 118785
 Ion Ratio Lower Upper
 225 100
 223 60.8 29.9 89.7
 227 62.7 32.4 97.2

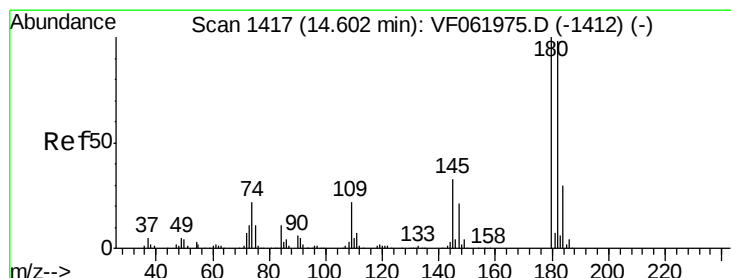
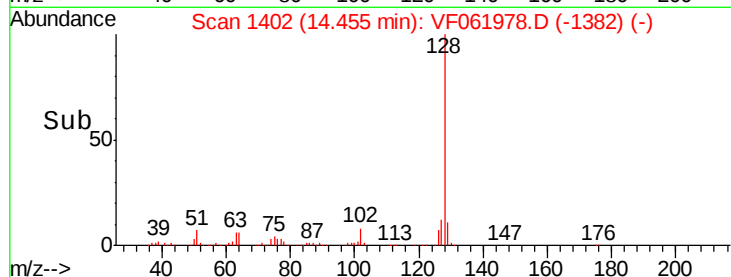
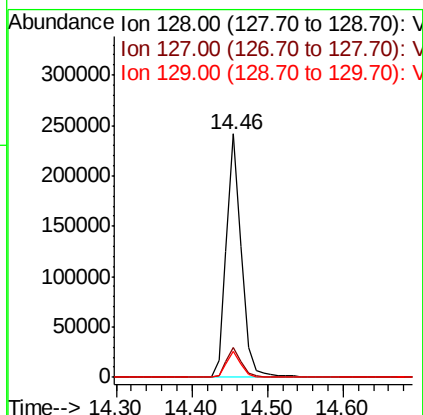
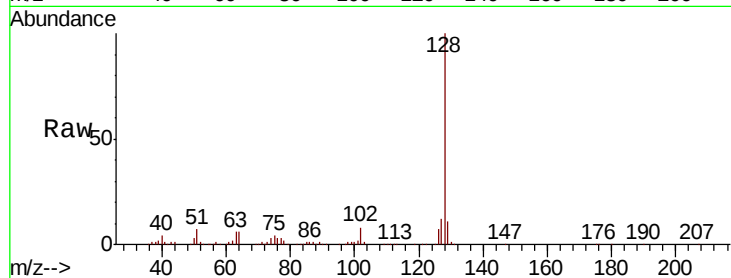




#95
Naphthalene
Concen: 51.024 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Instrument :
MSVOA_F
ClientSampleId :
ICVVF031619

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.3	13.9
129	10.8	9.1	13.7



#96
1,2,3-Trichlorobenzene
Concen: 51.677 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061978.D
Acq: 16 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.9	146.8
145	32.5	16.7	50.1

