

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061981.D
 Acq On : 16 Mar 2019 17:59
 Operator : VA/AP
 Sample : VF0316SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 03:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	266986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	397021	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	342307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	99082	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	4.11	113	135231	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	7.55	98	385273	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.41	95	158053	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	65574	23.039	ug/l	100
3) Chloromethane	1.09	50	64055	22.146	ug/l #	84
4) Vinyl Chloride	1.13	62	64906	23.203	ug/l	99
5) Bromomethane	1.32	94	44112	22.448	ug/l	95
6) Chloroethane	1.38	64	32820	22.727	ug/l	96
7) Trichlorofluoromethane	1.49	101	82081	22.148	ug/l	99
8) Diethyl Ether	1.63	74	16440	19.955	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	55365	21.204	ug/l	97
10) Methyl Iodide	1.89	142	77650	16.987	ug/l	95
11) Tert butyl alcohol	2.57	59	10787	91.725	ug/l #	78
12) 1,1-Dichloroethene	1.78	96	49000	21.745	ug/l	88
13) Acrolein	1.88	56	461	3.631	ug/l	88
14) Allyl chloride	2.10	41	62663	21.785	ug/l	95
15) Acrylonitrile	2.95	53	38007	106.278	ug/l	96
16) Acetone	2.24	43	42697	98.936	ug/l	97
17) Carbon Disulfide	1.76	76	24045	3.691	ug/l	97
18) Methyl Acetate	2.43	43	17480	17.874	ug/l	94
19) Methyl tert-butyl Ether	2.43	73	84321	20.651	ug/l	96
20) Methylene Chloride	2.18	84	19988	8.877	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	52231	22.211	ug/l	98
22) Diisopropyl ether	2.80	45	144479	20.882	ug/l #	95
23) Vinyl Acetate	3.18	43	313044	114.776	ug/l	99
24) 1,1-Dichloroethane	2.87	63	87083	21.646	ug/l	97
25) 2-Butanone	4.34	43	84477	98.838	ug/l #	88
26) 2,2-Dichloropropane	3.60	77	35085	18.489	ug/l	91
27) cis-1,2-Dichloroethene	3.47	96	62908	21.225	ug/l	95
28) Bromochloromethane	3.72	49	35034	20.988	ug/l	93
29) Tetrahydrofuran	4.07	42	37568	101.070	ug/l	98
30) Chloroform	3.86	83	94665	20.768	ug/l	97
31) Cyclohexane	3.69	56	84861	21.353	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	64436	21.286	ug/l	92
36) 1,1-Dichloropropene	4.28	75	80103	22.342	ug/l	97
37) Ethyl Acetate	4.11	43	31628	19.647	ug/l	90
38) Carbon Tetrachloride	3.98	117	56031	21.384	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	96478	22.922	ug/l	98
40) Benzene	4.63	78	191130	20.119	ug/l	99
41) Methacrylonitrile	4.74	41	17552	20.407	ug/l	92
42) 1,2-Dichloroethane	4.94	62	50117	21.192	ug/l	99
43) Isopropyl Acetate	6.96	43	40037	21.020	ug/l #	87
44) Trichloroethene	5.50	130	60800	20.892	ug/l	94
45) 1,2-Dichloropropane	6.23	63	48287	21.477	ug/l	96
46) Dibromomethane	6.09	93	29162	21.804	ug/l	96
47) Bromodichloromethane	6.39	83	66308	21.029	ug/l	96
48) Methyl methacrylate	6.71	41	25950	21.081	ug/l	96
49) 1,4-Dioxane	6.70	88	4498	410.789	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	143574	106.151	ug/l	94
52) Toluene	7.62	92	118035	20.335	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	56904	21.376	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	73255	21.090	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	34511	21.302	ug/l	93
56) Ethyl methacrylate	8.62	69	39153	21.260	ug/l	94
57) 1,3-Dichloropropane	8.85	76	58656	21.705	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	35069	105.133	ug/l	100
59) 2-Hexanone	9.49	43	106548	108.851	ug/l	97
60) Dibromochloromethane	8.71	129	48217	21.439	ug/l	97
61) 1,2-Dibromoethane	8.98	107	38429	22.114	ug/l	94
64) Tetrachloroethene	8.15	164	53875	21.652	ug/l	96
65) Chlorobenzene	9.80	112	134040	21.032	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	53070	21.483	ug/l	97
67) Ethyl Benzene	9.90	91	238809	21.885	ug/l	99
68) m/p-Xylenes	10.13	106	180738	44.037	ug/l	92
69) o-Xylene	10.72	106	94280	21.468	ug/l	100
70) Styrene	10.79	104	132838	21.834	ug/l	97
71) Bromoform	10.78	173	25030	20.032	ug/l	98
73) Isopropylbenzene	11.12	105	277079	21.647	ug/l	97
74) N-amyl acetate	11.37	43	63039	21.494	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	45523	21.547	ug/l	87
76) 1,2,3-Trichloropropane	11.79	75	31237	21.144	ug/l	96
77) Bromobenzene	11.50	156	61952	20.900	ug/l	97
78) n-propylbenzene	11.59	91	321744	21.861	ug/l	98
79) 2-Chlorotoluene	11.72	91	178305	21.463	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	229849	22.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	17415	26.646	ug/l	90
82) 4-Chlorotoluene	11.90	91	185631	22.096	ug/l	99
83) tert-Butylbenzene	12.13	119	247866	22.923	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	221343	21.373	ug/l	94
85) sec-Butylbenzene	12.30	105	314998	21.561	ug/l	97
86) p-Isopropyltoluene	12.46	119	266156	21.833	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	129751	22.272	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	121486	21.665	ug/l	99
89) n-Butylbenzene	12.85	91	257852	22.510	ug/l	94
90) Hexachloroethane	12.92	117	60715	21.824	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	115550	21.415	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	5980	17.638	ug/l	89

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

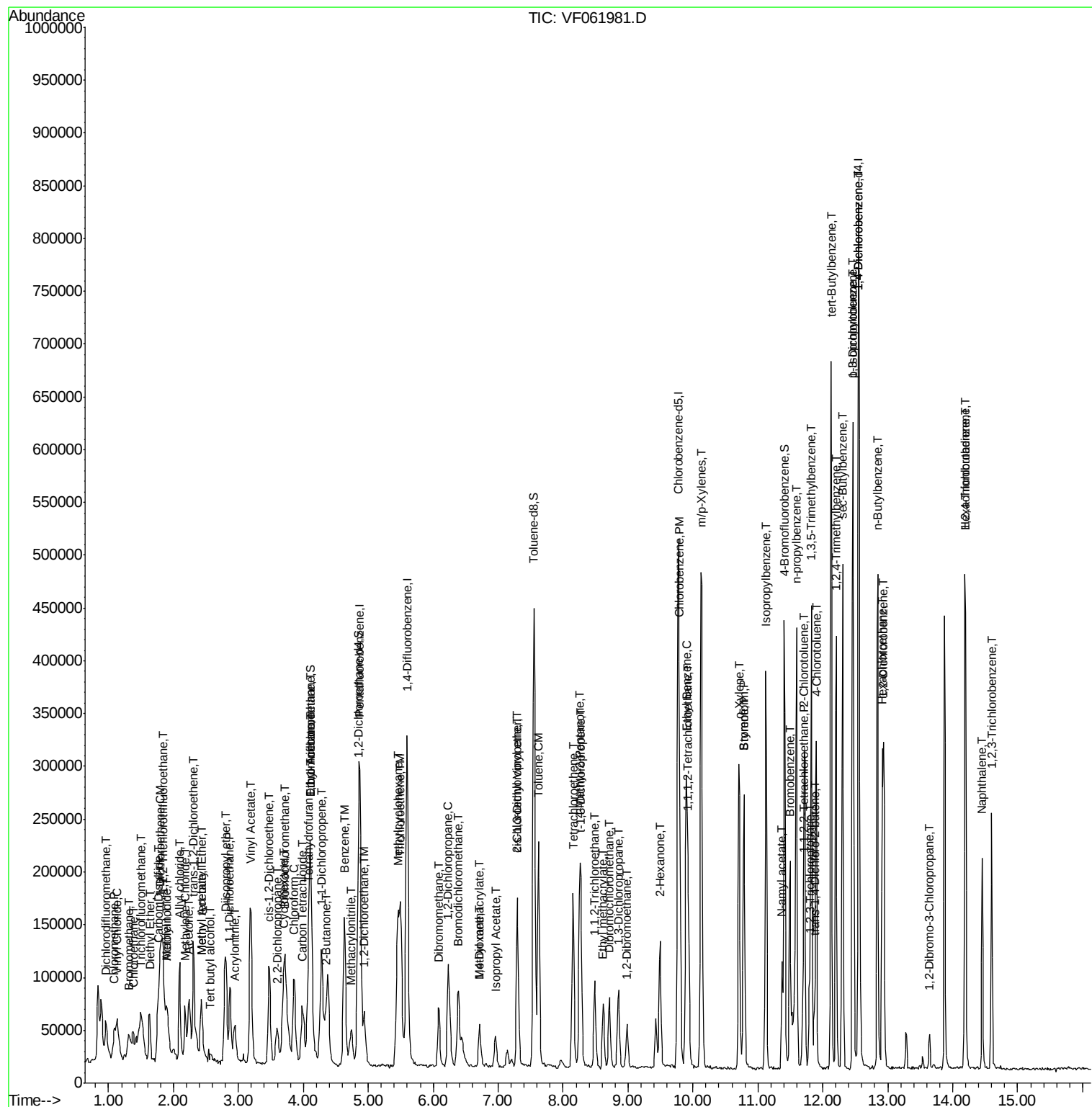
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	78011	20.762	µg/l	96
94) Hexachlorobutadiene	14.19	225	55408	22.212	µg/l	94
95) Naphthalene	14.45	128	135849	20.102	µg/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	72092	20.855	µg/l	95

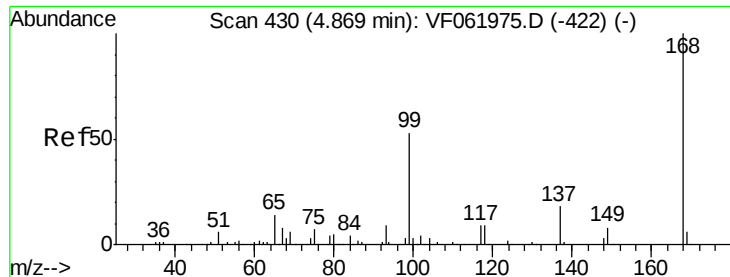
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.00µL/MSVOA-F/SOIL
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Quant Time: Mar 22 03:29:47 2019
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 Quant Title : SW846 8260
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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: VF061981.D

Acq: 16 Mar 2019 17:59

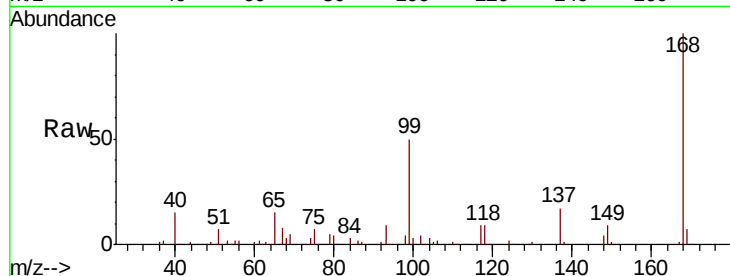
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 266986

Ion Ratio Lower Upper

168 100

99 50.2 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF061975.D (-422) (-)

Ion 99.00 (98.70 to 99.70): VF061975.D (-422) (-)

4.87

100000

80000

60000

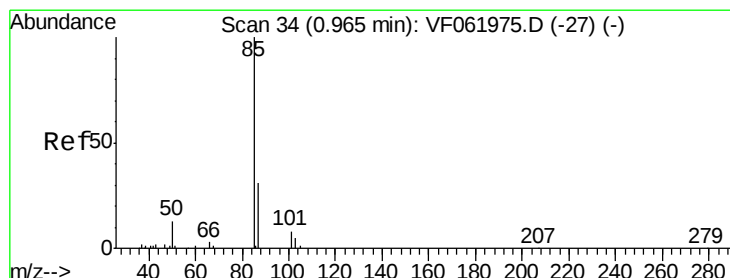
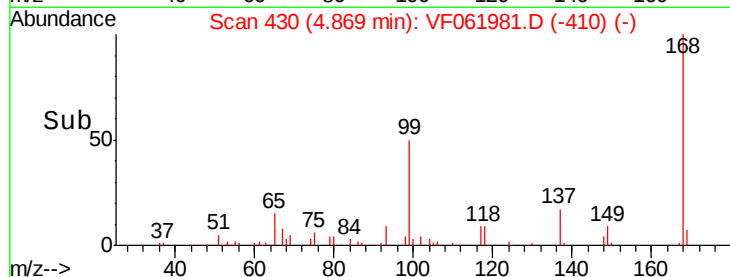
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.039 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061981.D

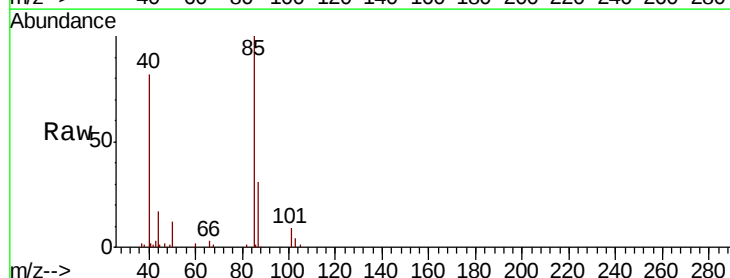
Acq: 16 Mar 2019 17:59

Tgt Ion: 85 Resp: 65574

Ion Ratio Lower Upper

85 100

87 31.0 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF061975.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VF061975.D (-27) (-)

0.95

25000

20000

15000

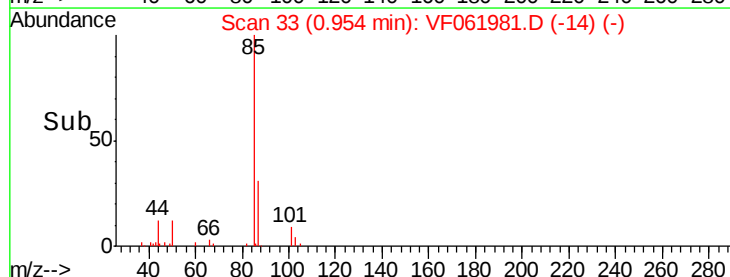
10000

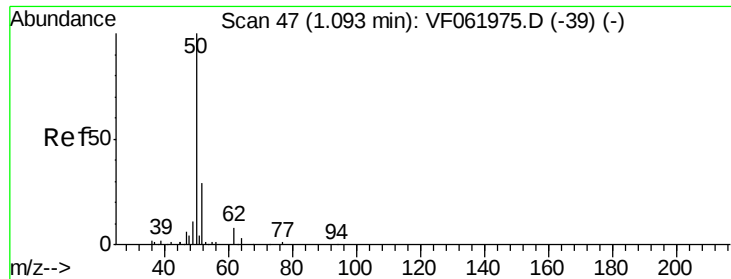
5000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.146 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

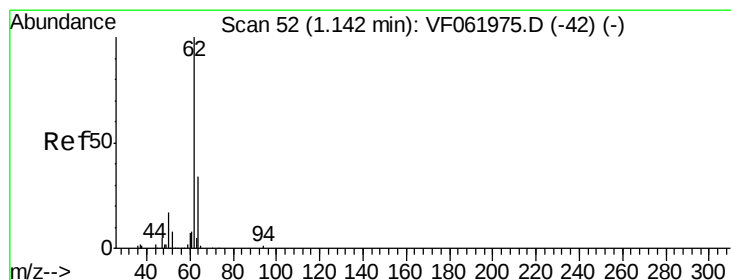
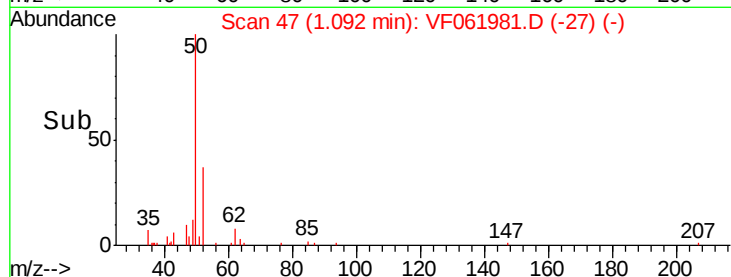
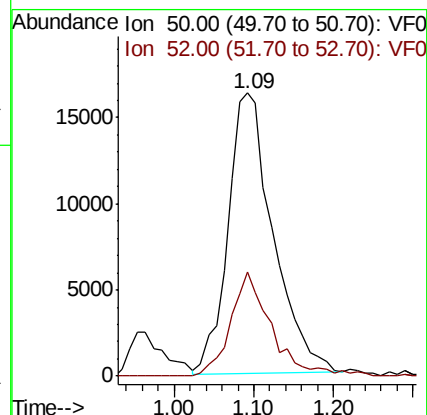
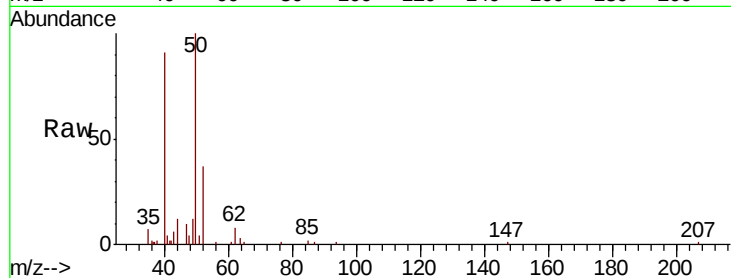
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 64055

Ion Ratio Lower Upper

50 100

52 36.6 22.6 34.0#



#4

Vinyl Chloride

Concen: 23.203 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061981.D

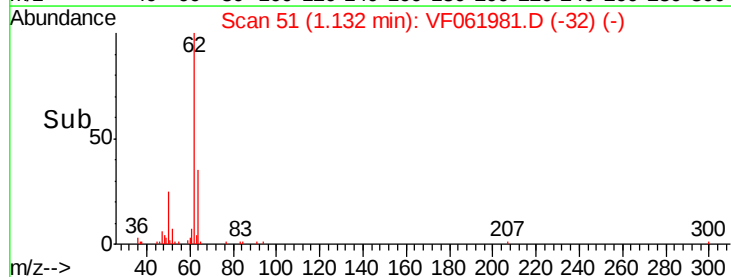
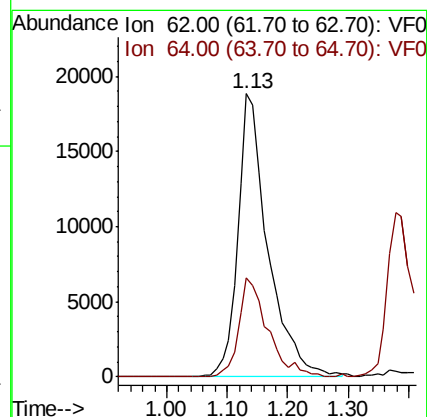
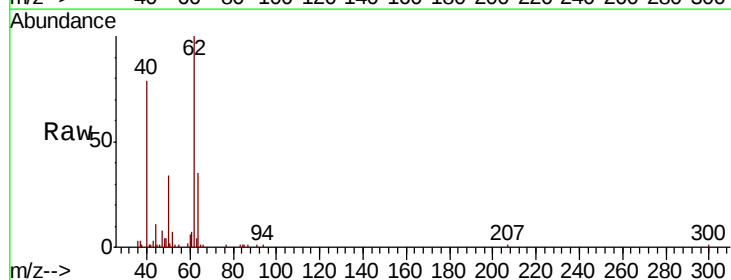
Acq: 16 Mar 2019 17:59

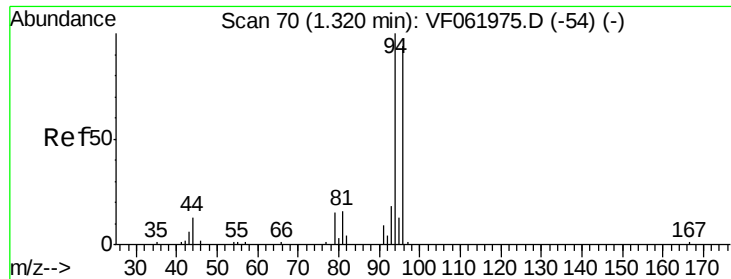
Tgt Ion: 62 Resp: 64906

Ion Ratio Lower Upper

62 100

64 34.9 27.4 41.2





#5

Bromomethane

Concen: 22.448 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

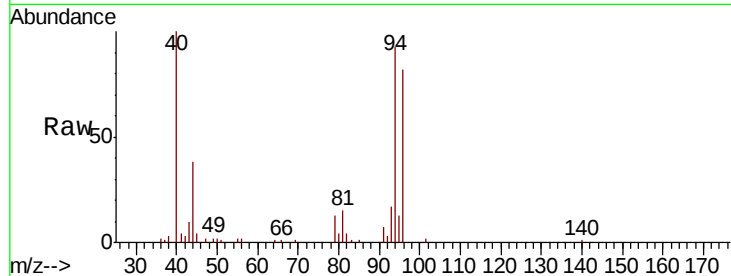
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 44112

Ion Ratio Lower Upper

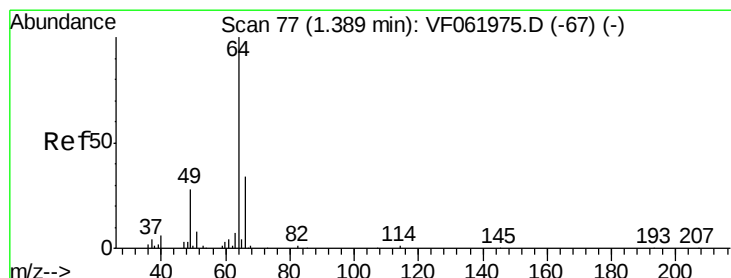
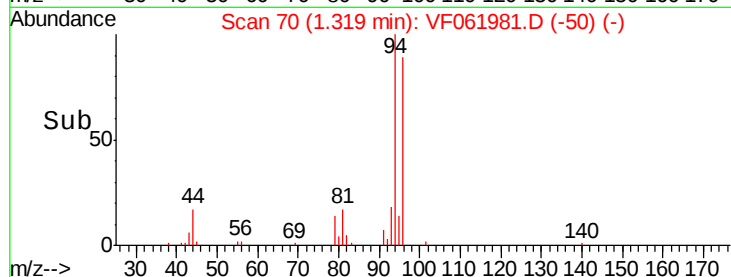
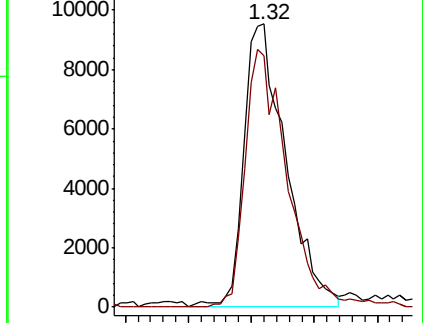
94 100

96 88.8 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.727 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061981.D

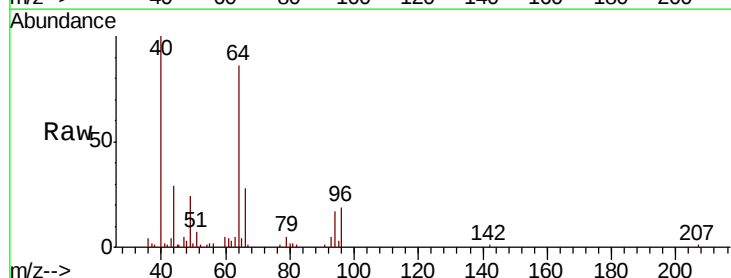
Acq: 16 Mar 2019 17:59

Tgt Ion: 64 Resp: 32820

Ion Ratio Lower Upper

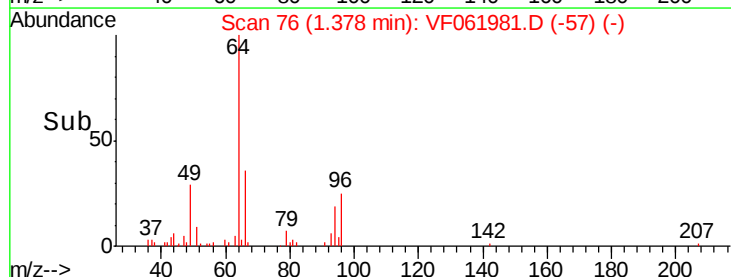
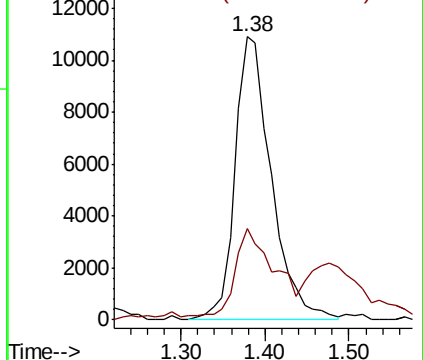
64 100

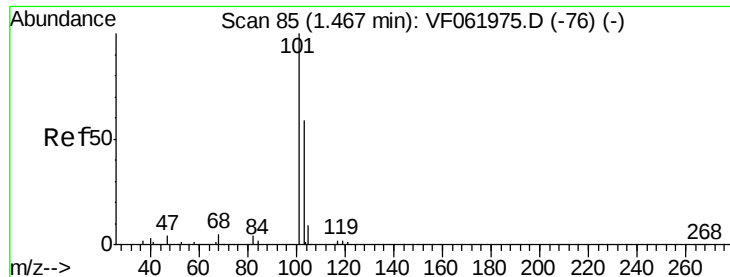
66 32.2 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



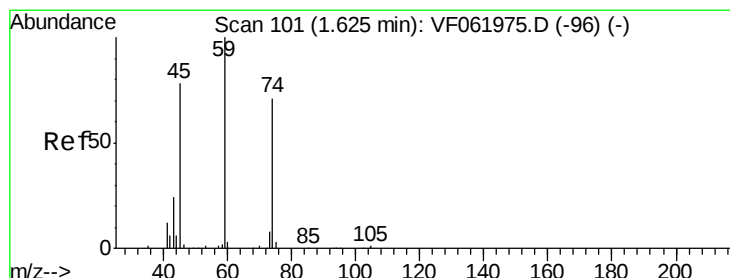
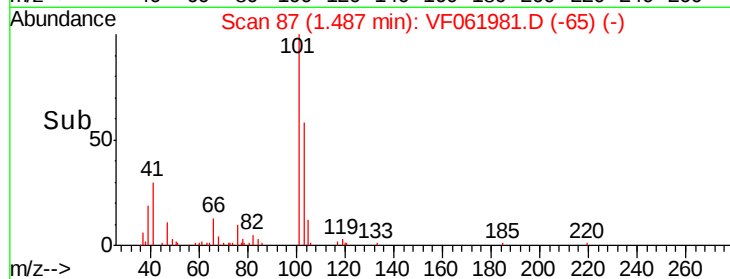
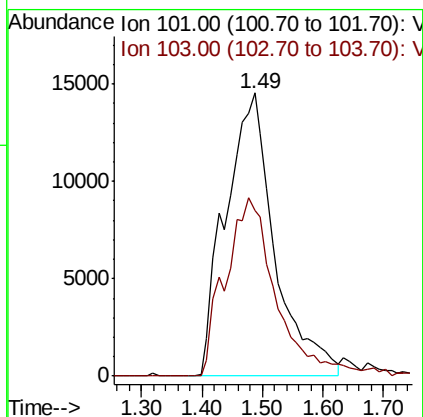
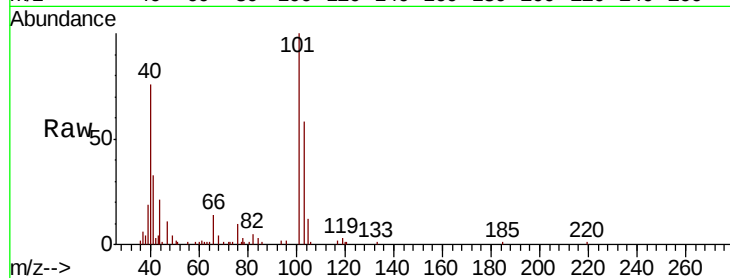


#7

Trichlorofluoromethane
Concen: 22.148 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.02 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

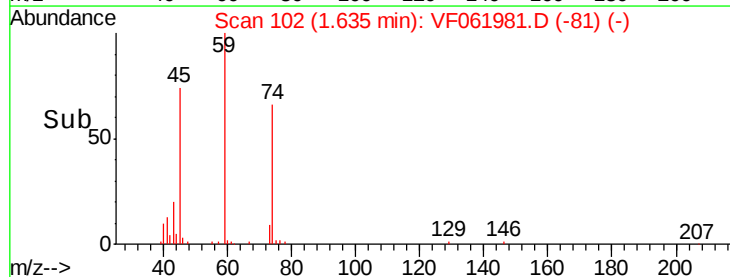
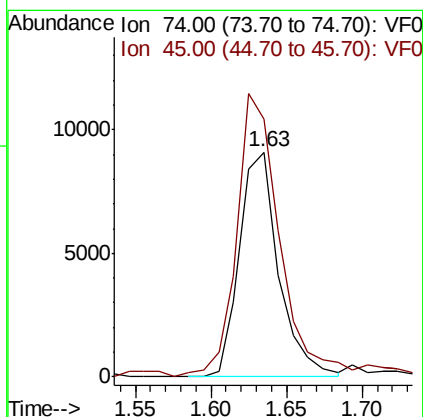
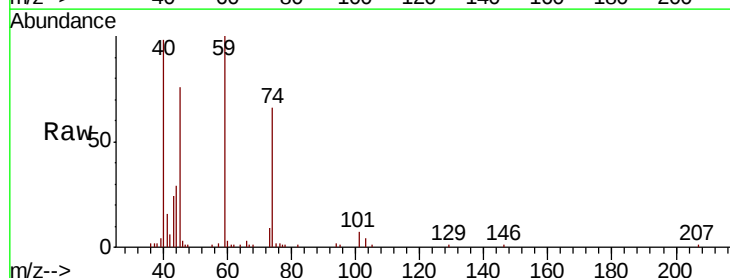
Tot Ion:101 Resp: 82081
Ion Ratio Lower Upper
101 100
103 58.5 47.3 70.9

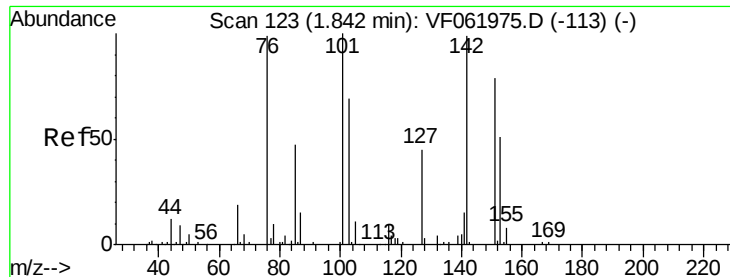


#8

Diethyl Ether
Concen: 19.955 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 74 Resp: 16440
Ion Ratio Lower Upper
74 100
45 114.7 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.204 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

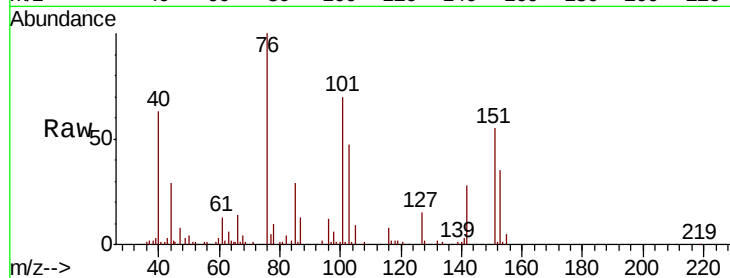
Tot Ion:101 Resp: 55365

Ion Ratio Lower Upper

101 100

85 41.9 36.8 55.2

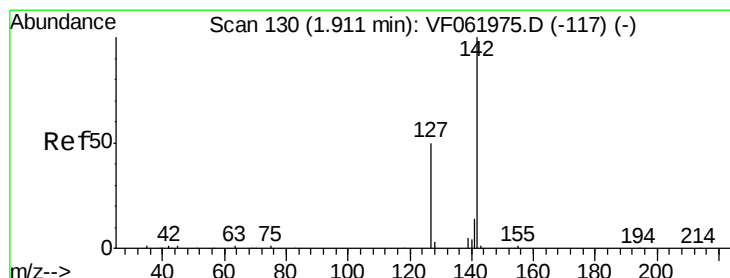
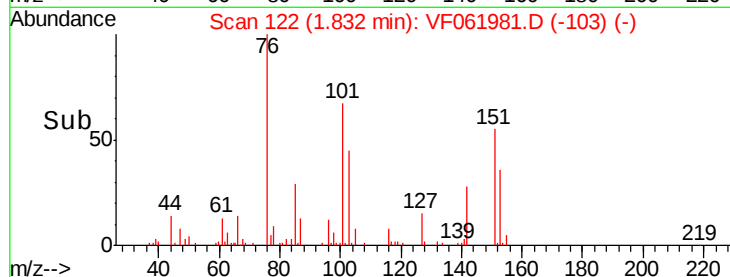
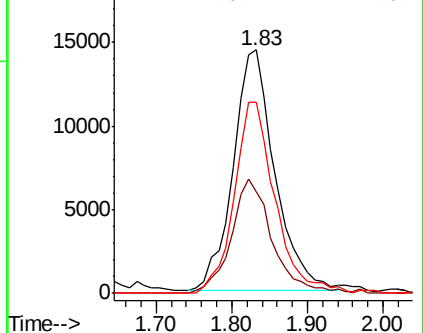
151 78.6 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.987 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

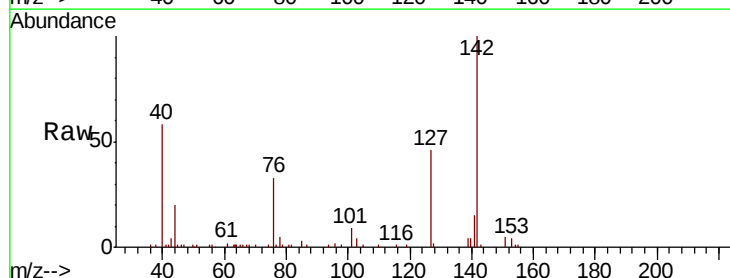
Tgt Ion:142 Resp: 77650

Ion Ratio Lower Upper

142 100

127 46.1 39.7 59.5

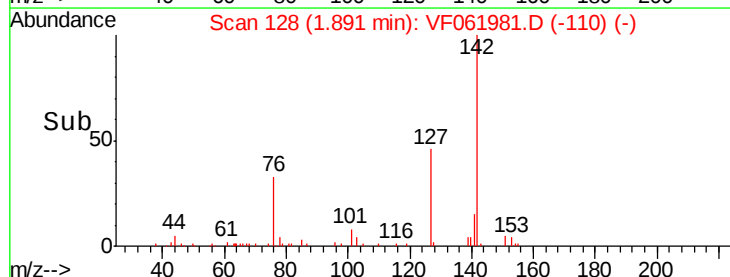
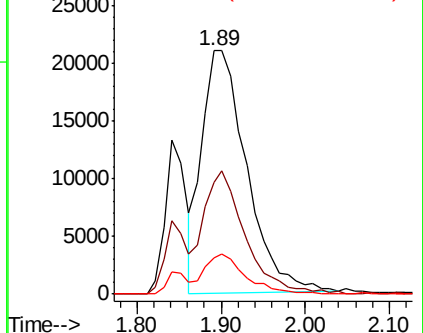
141 15.1 10.8 16.2

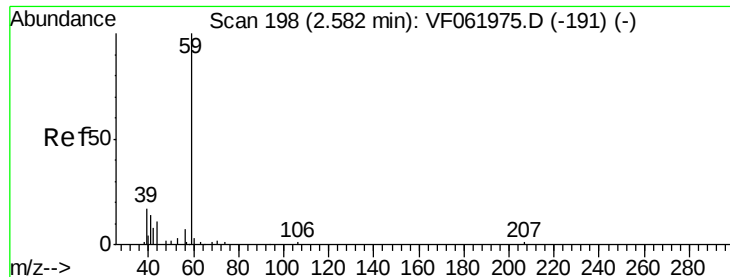


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



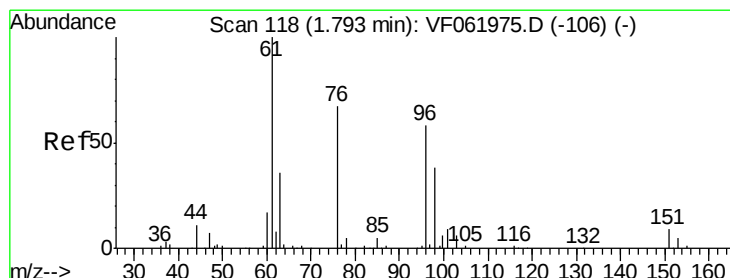
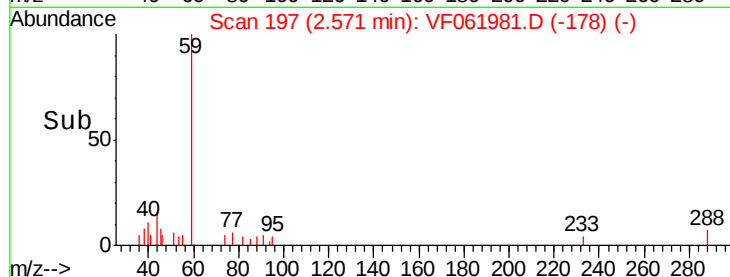
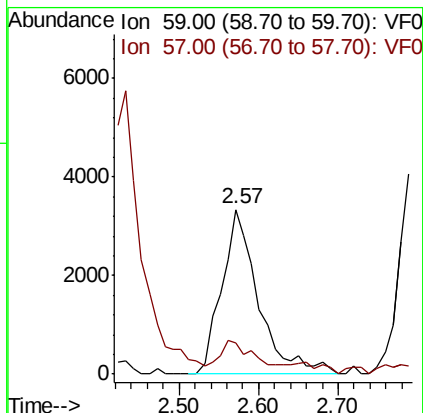
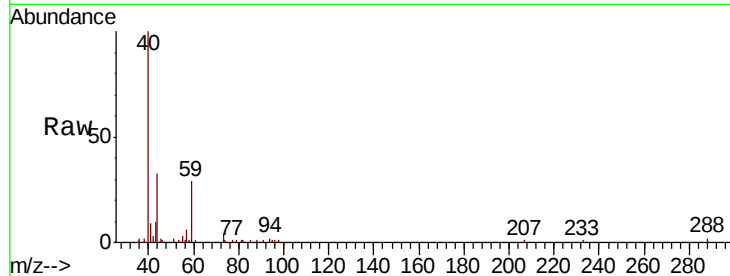


#11

Tert butyl alcohol
Concen: 91.725 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

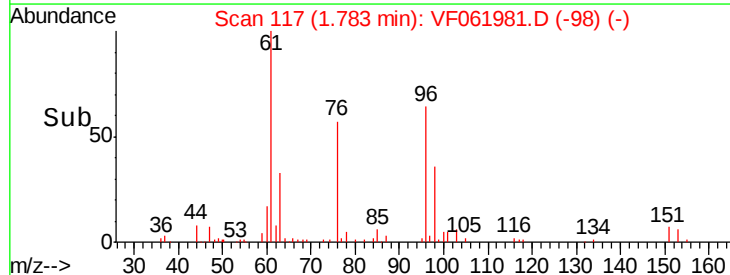
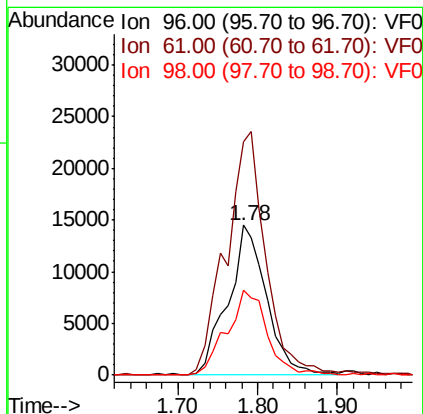
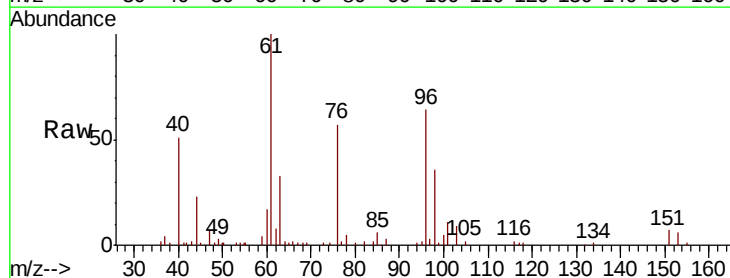
Tot Ion: 59 Resp: 10787
Ion Ratio Lower Upper
59 100
57 19.3 8.7 13.1#

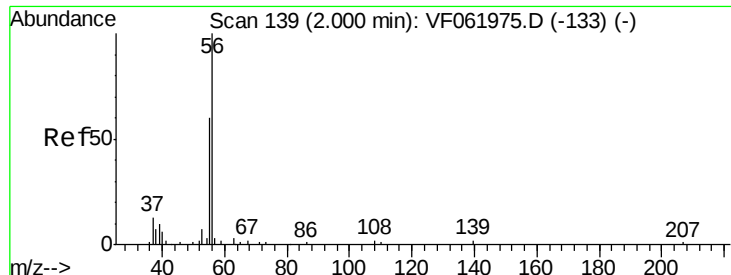


#12

1,1-Dichloroethene
Concen: 21.745 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 96 Resp: 49000
Ion Ratio Lower Upper
96 100
61 155.9 138.6 208.0
98 56.8 53.2 79.8





#13

Acrolein

Concen: 3.631 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.12 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

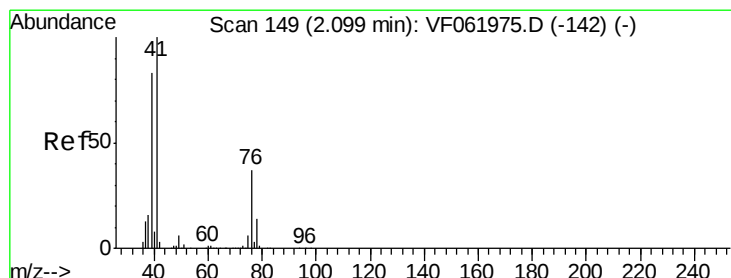
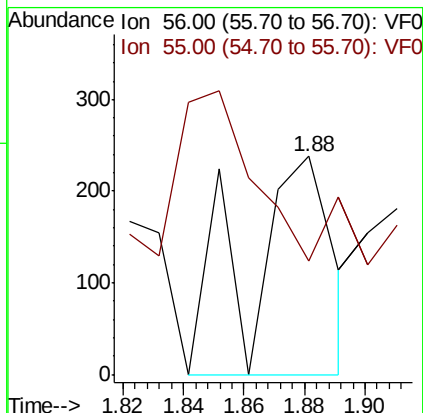
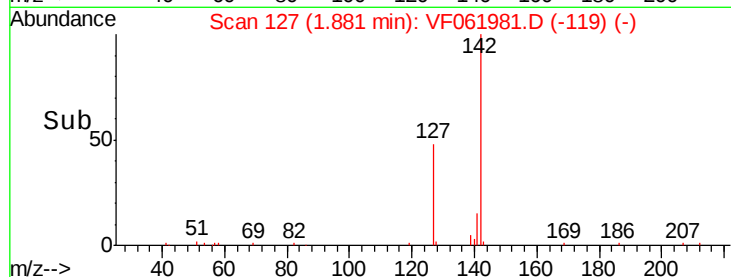
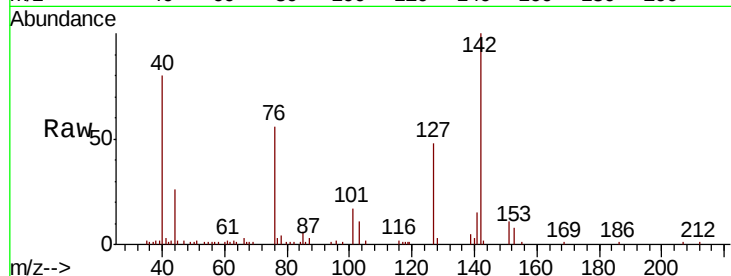
ClientSampled :

Tot Ion: 56 Resp: 461

Ion Ratio Lower Upper

56 100

55 52.1 49.1 73.7



#14

Allyl chloride

Concen: 21.785 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

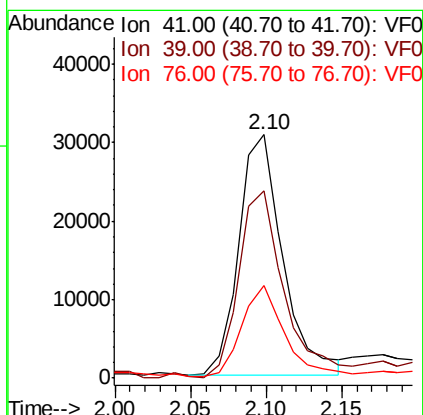
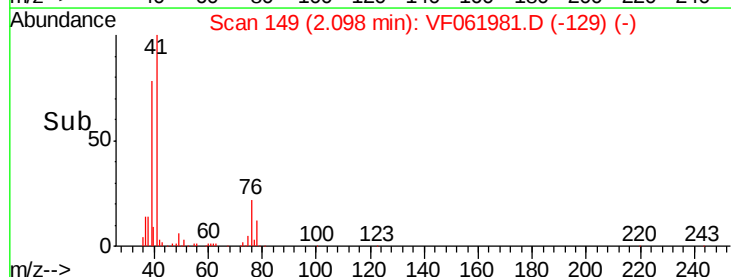
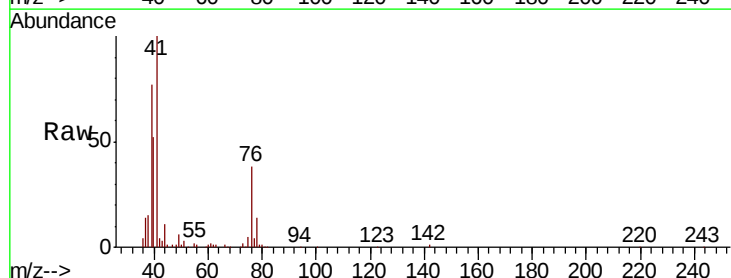
Tgt Ion: 41 Resp: 62663

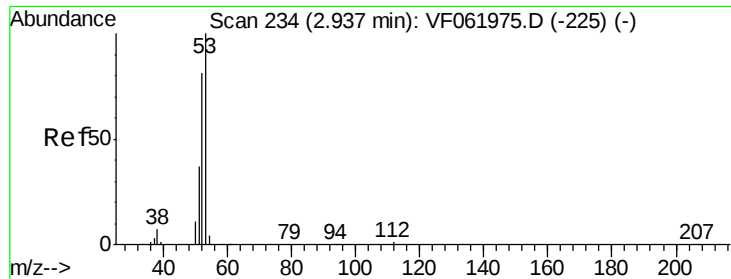
Ion Ratio Lower Upper

41 100

39 77.0 66.8 100.2

76 37.9 31.1 46.7





#15

Acrylonitrile

Concen: 106.278 ug/l

RT: 2.95 min Scan# 235

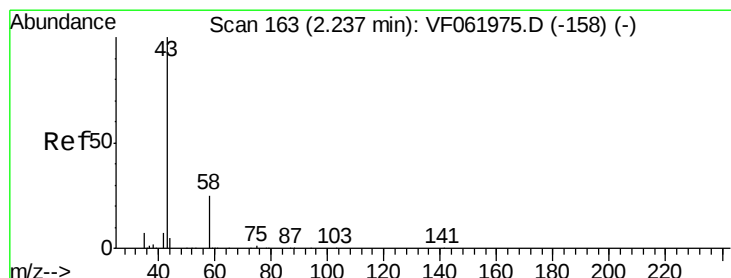
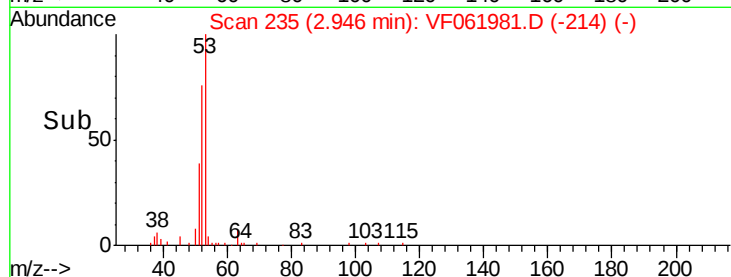
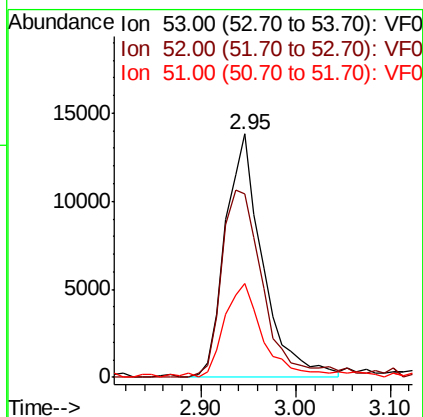
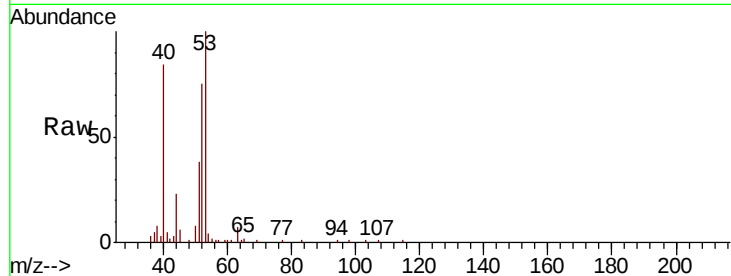
Delta R.T. 0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	38007
Ion	Ratio	Lower	Upper
53	100		
52	75.3	64.4	96.6
51	38.4	30.3	45.5



#16

Acetone

Concen: 98.936 ug/l

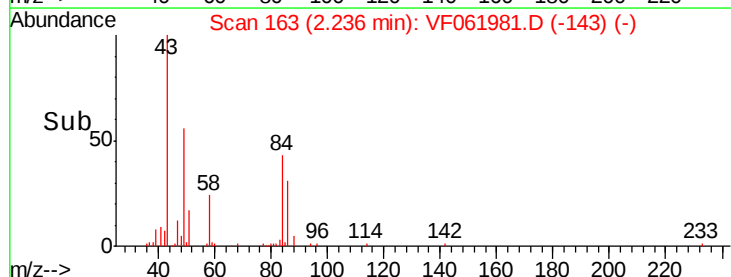
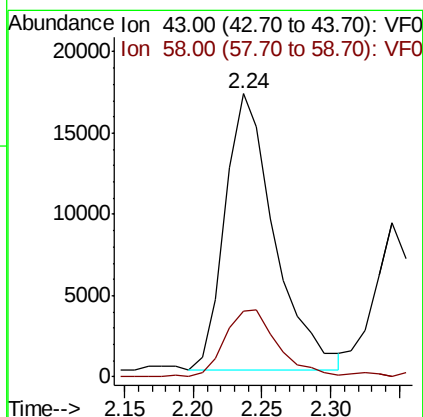
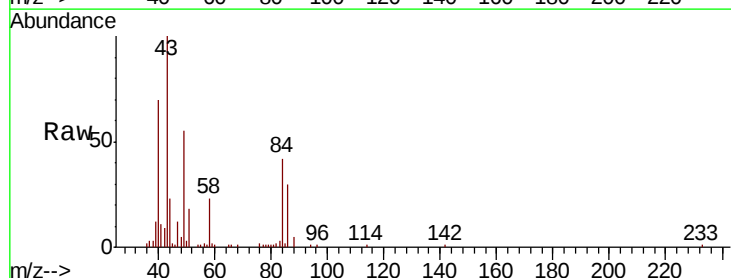
RT: 2.24 min Scan# 163

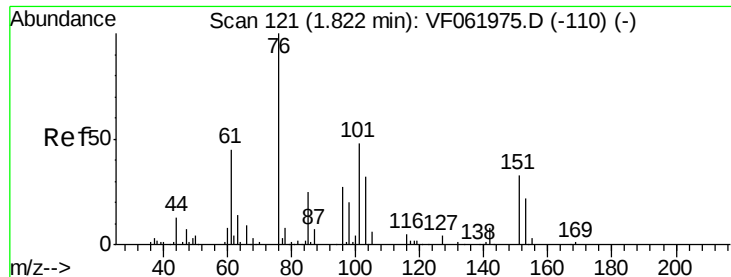
Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion:	43	Resp:	42697
Ion	Ratio	Lower	Upper
43	100		
58	23.4	19.9	29.9

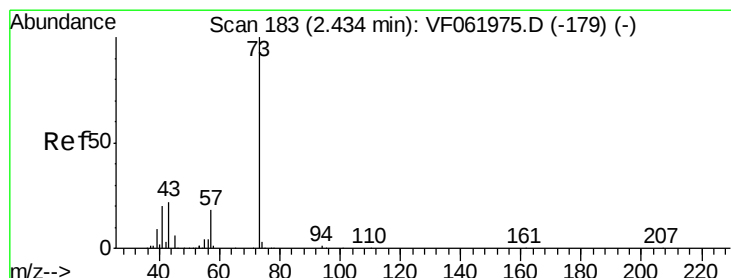
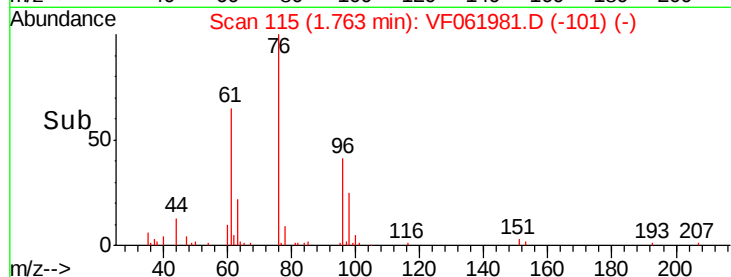
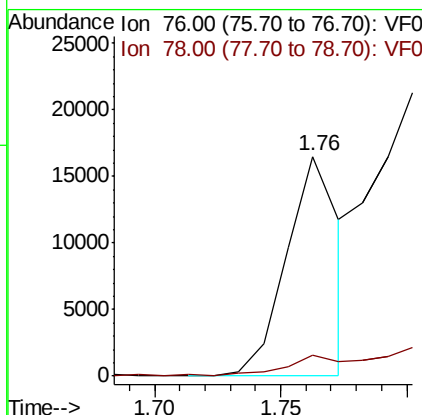
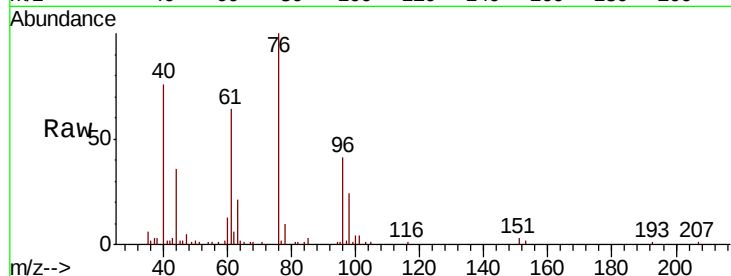




#17
Carbon Disulfide
Concen: 3.691 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.06 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

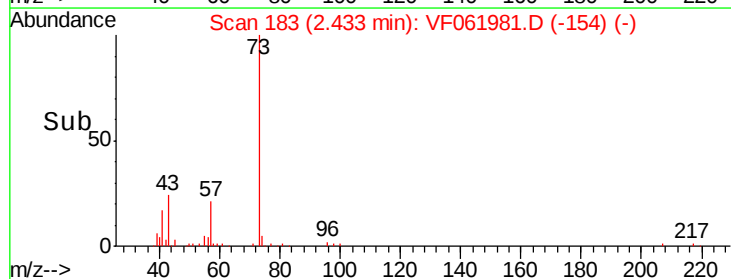
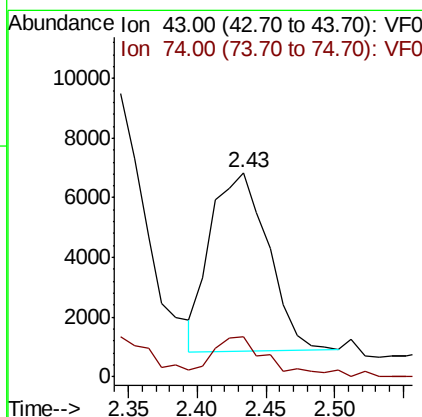
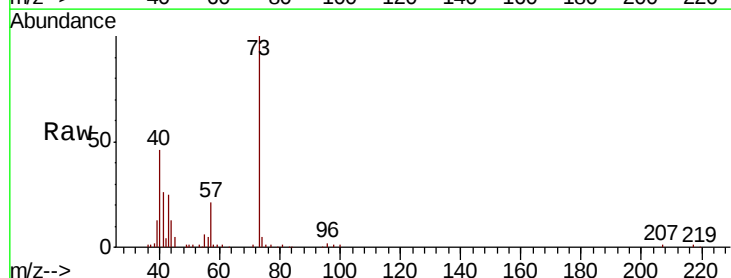
Instrument :
MSVOA_F
ClientSampleId :

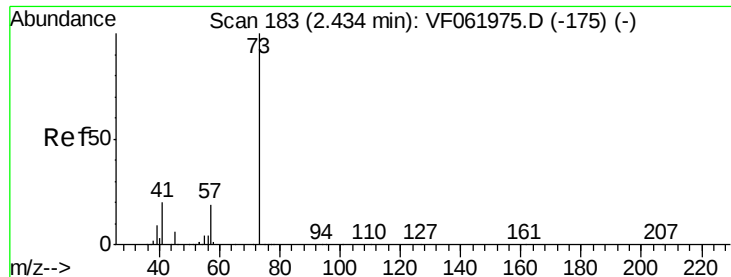
Tot Ion: 76 Resp: 24045
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2



#18
Methyl Acetate
Concen: 17.874 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.09 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 43 Resp: 17480
Ion Ratio Lower Upper
43 100
74 19.9 18.3 27.5

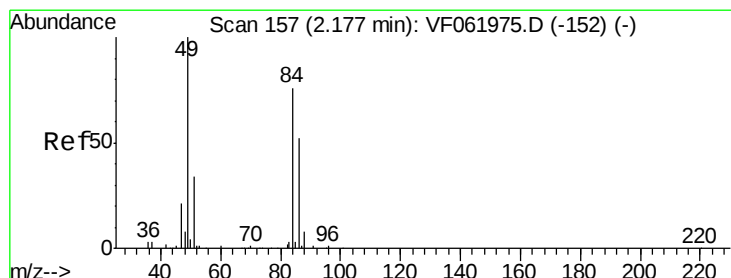
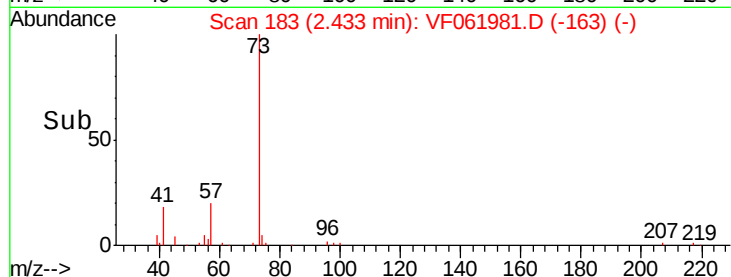
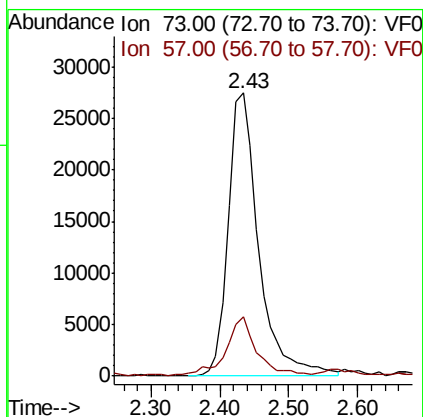
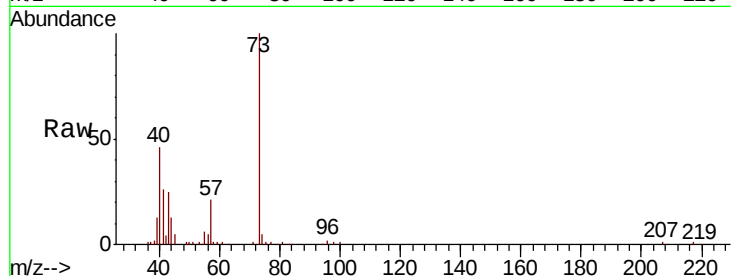




#19
Methvl tert-butvl Ether
Concen: 20.651 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

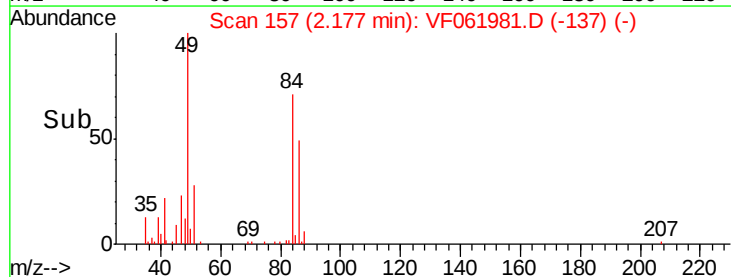
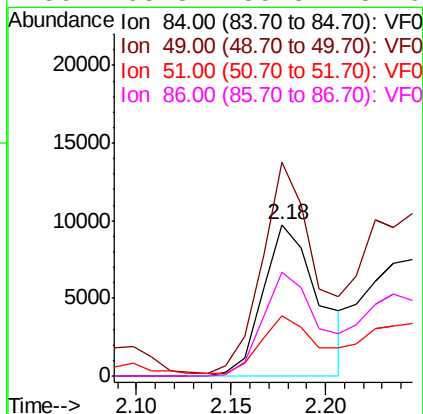
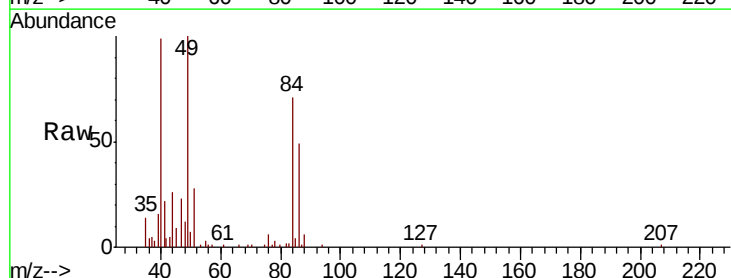
Instrument :
MSVOA_F
ClientSampleId :

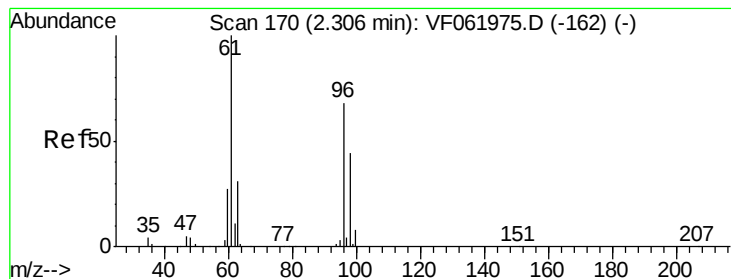
Tot Ion: 73 Resp: 84321
Ion Ratio Lower Upper
73 100
57 20.9 15.3 22.9



#20
Methylene Chloride
Concen: 8.877 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 84 Resp: 19988
Ion Ratio Lower Upper
84 100
49 141.3 107.0 160.6
51 39.7 37.2 55.8
86 68.8 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 22.211 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

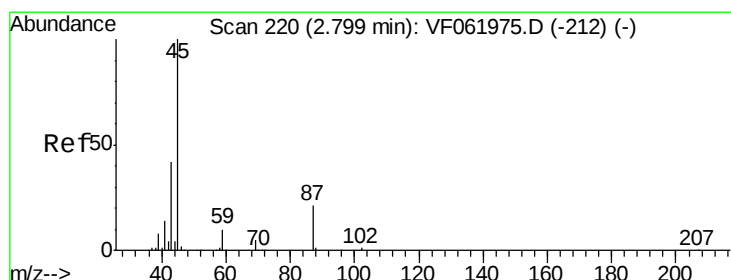
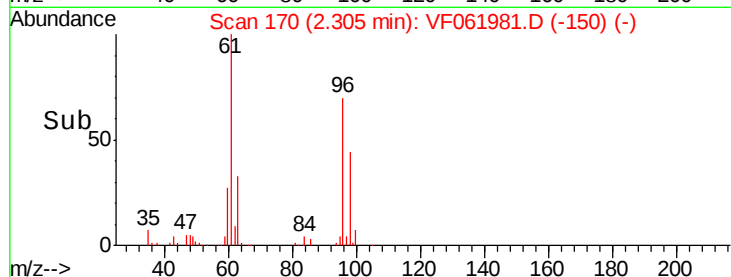
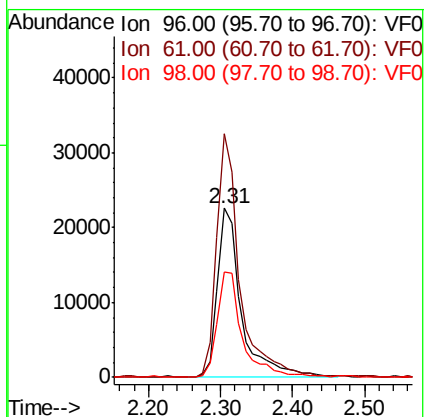
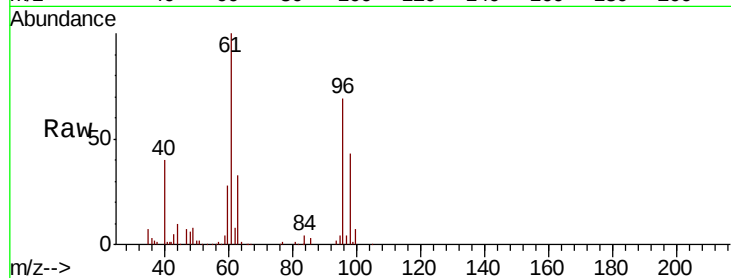
Tot Ion: 96 Resp: 52231

Ion Ratio Lower Upper

96 100

61 144.3 117.4 176.2

98 62.5 51.2 76.8



#22

Diisopropyl ether

Concen: 20.882 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion: 45 Resp: 144479

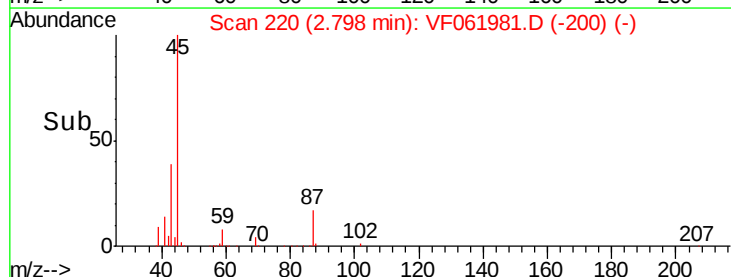
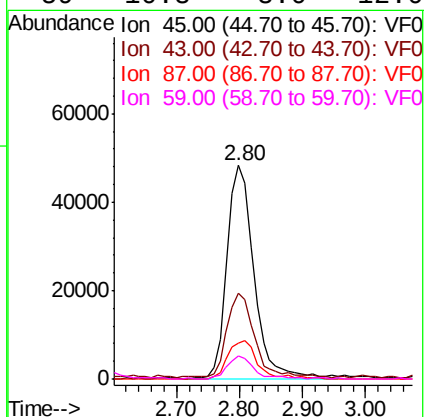
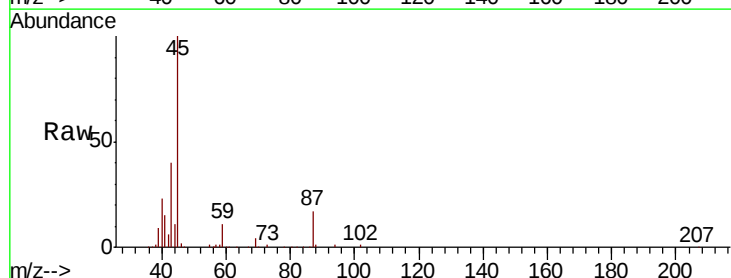
Ion Ratio Lower Upper

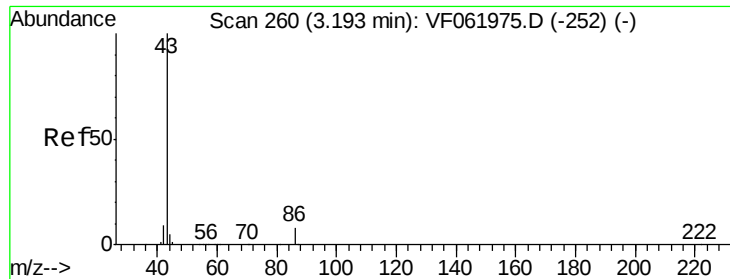
45 100

43 40.0 33.7 50.5

87 16.9 17.1 25.7#

59 10.8 8.0 12.0





#23

Vinyl Acetate

Concen: 114.776 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

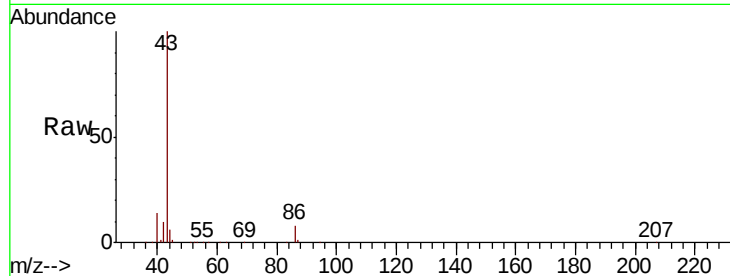
ClientSampled :

Tot Ion: 43 Resp: 313044

Ion Ratio Lower Upper

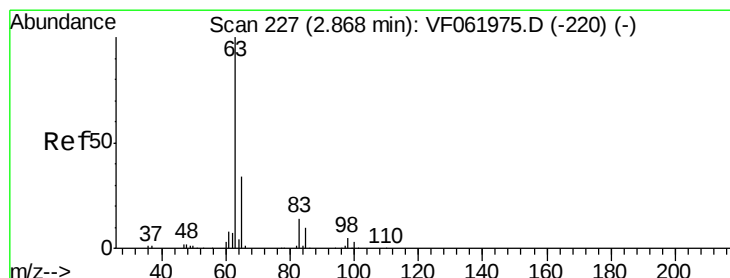
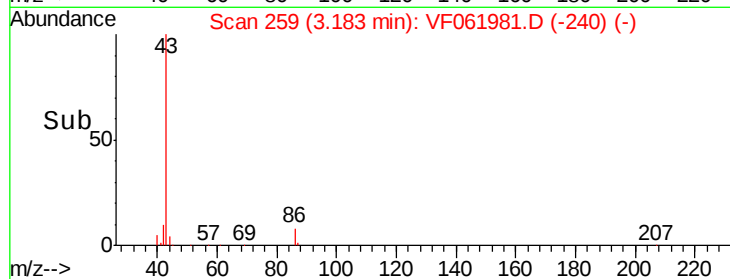
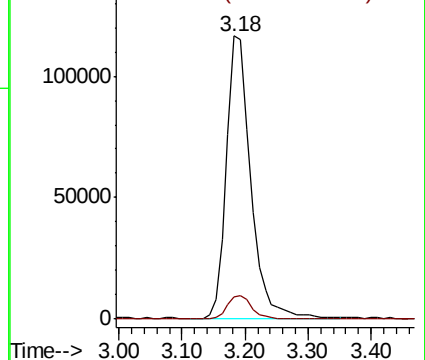
43 100

86 7.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.646 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

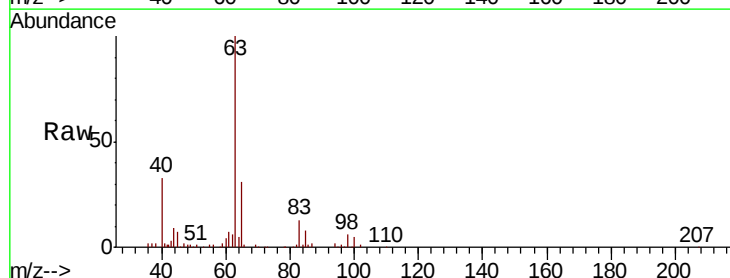
Tgt Ion: 63 Resp: 87083

Ion Ratio Lower Upper

63 100

98 6.1 2.7 8.1

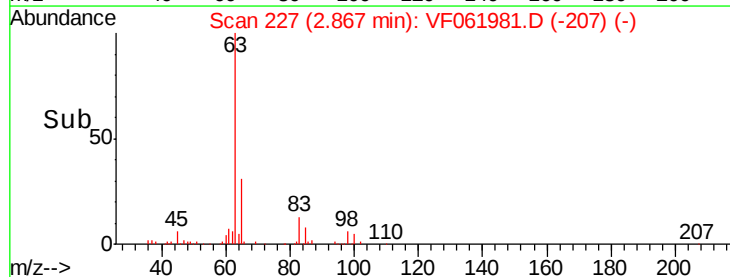
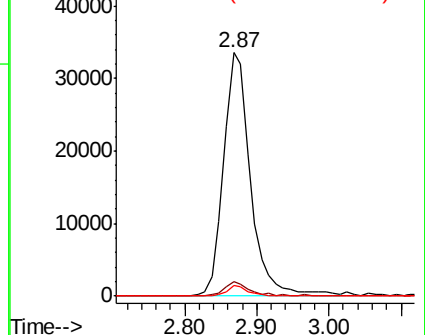
100 4.6 1.7 5.0

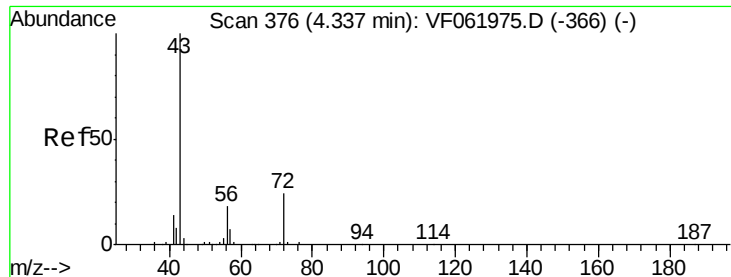


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

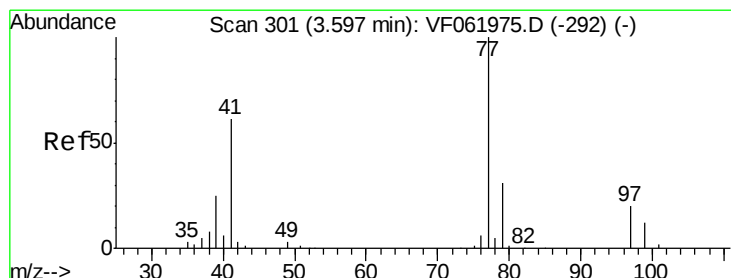
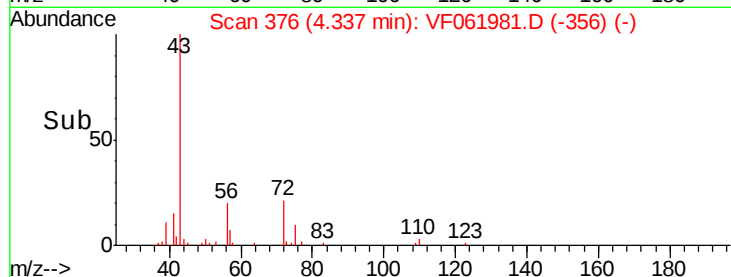
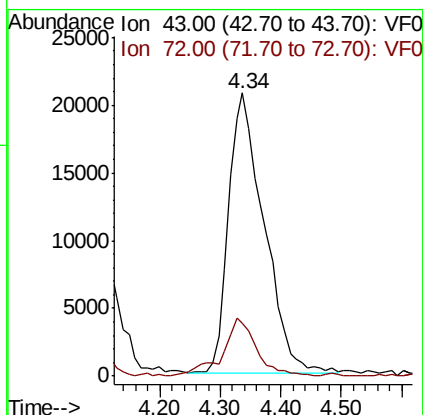
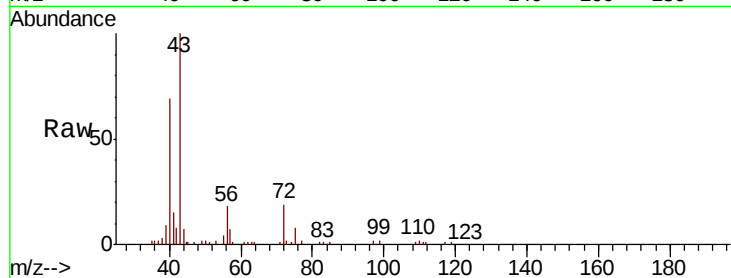




#25
2-Butanone
Concen: 98.838 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

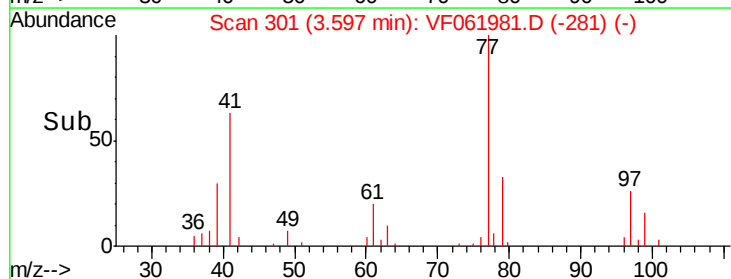
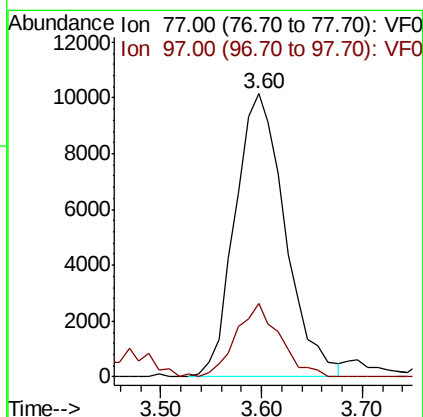
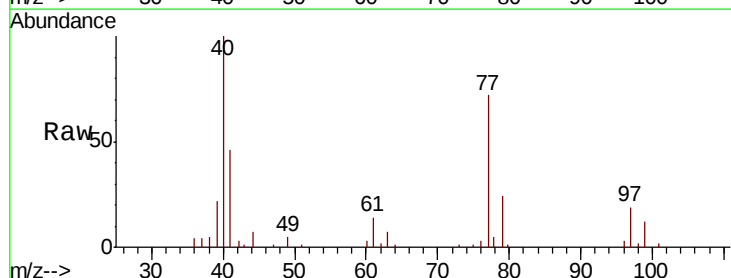
Instrument :
MSVOA_F
ClientSampleId :

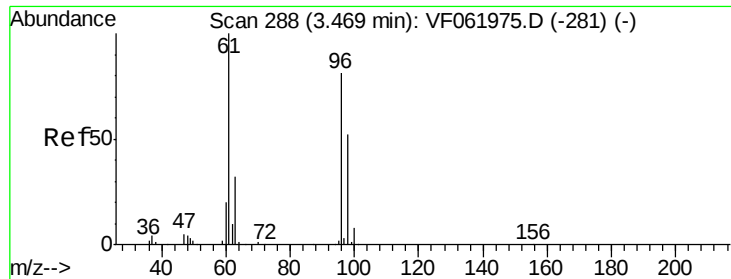
Tot Ion: 43 Resp: 84477
Ion Ratio Lower Upper
43 100
72 18.8 19.8 29.6#



#26
2,2-Dichloropropane
Concen: 18.489 ug/l
RT: 3.60 min Scan# 301
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 77 Resp: 35085
Ion Ratio Lower Upper
77 100
97 25.9 10.8 32.4



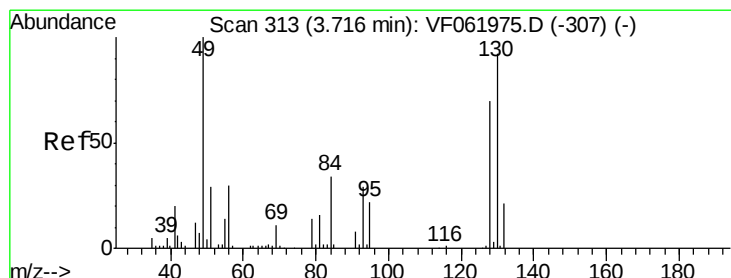
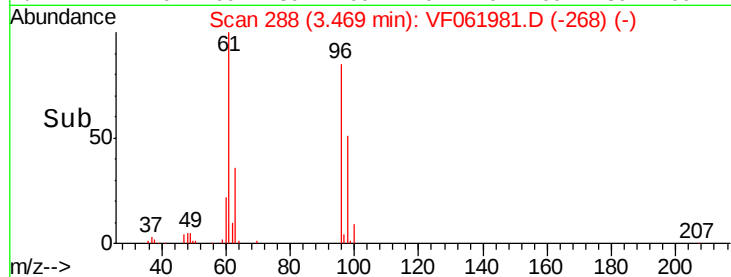
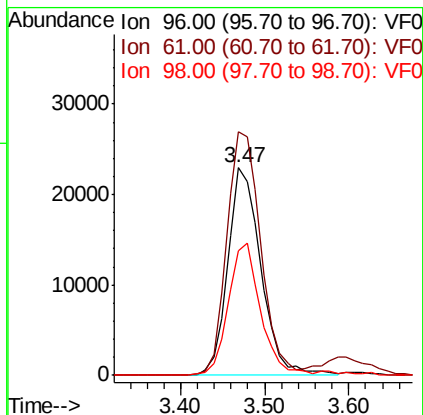
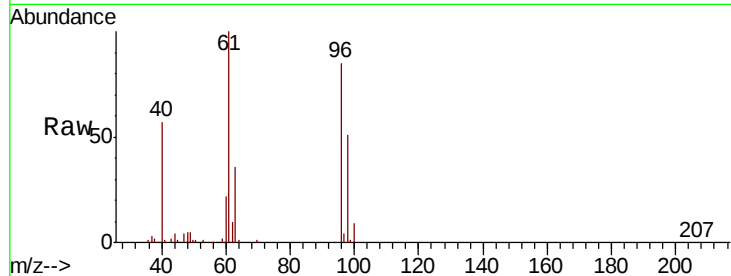


#27

cis-1,2-Dichloroethene
 Concen: 21.225 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Instrument :
 MSVOA_F
 ClientSampleId :

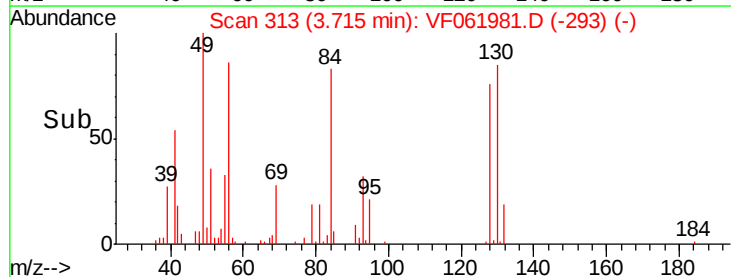
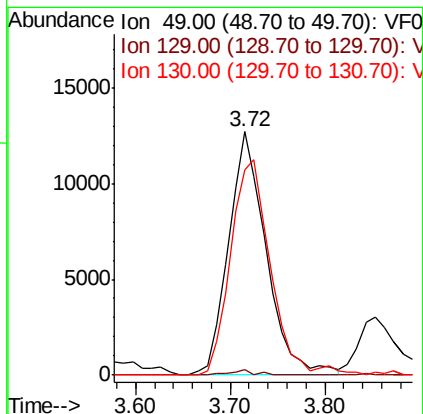
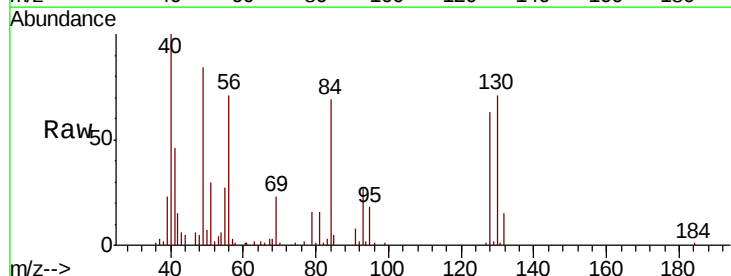
Tot Ion: 96 Resp: 62908
 Ion Ratio Lower Upper
 96 100
 61 117.5 0.0 246.6
 98 60.3 0.0 129.2

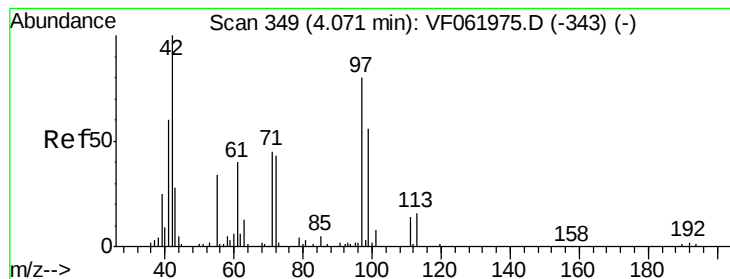


#28

Bromochloromethane
 Concen: 20.988 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 49 Resp: 35034
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.8
 130 84.1 73.1 109.7





#29

Tetrahydrofuran

Concen: 101.070 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

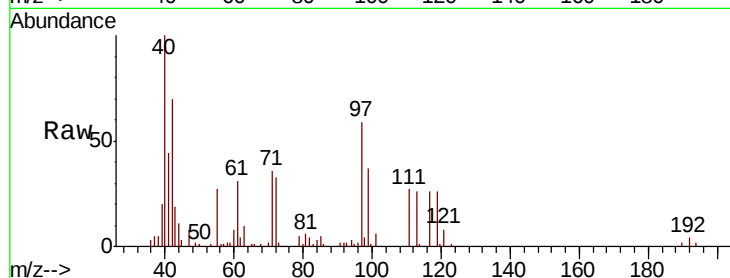
Tot Ion: 42 Resp: 37568

Ion Ratio Lower Upper

42 100

72 40.5 34.0 51.0

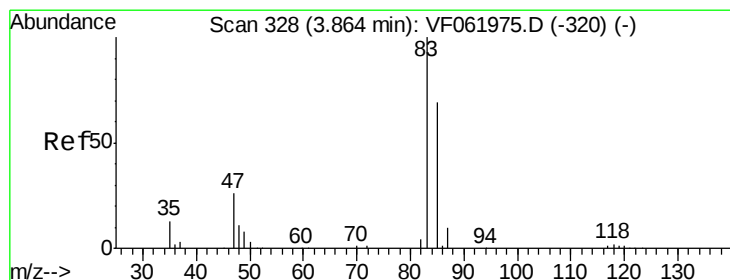
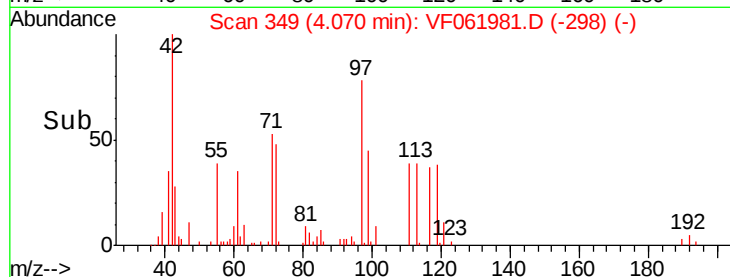
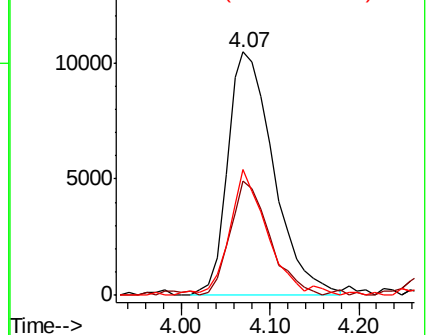
71 43.0 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 20.768 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF061981.D

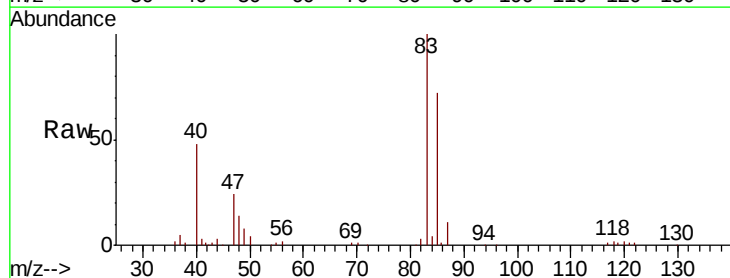
Acq: 16 Mar 2019 17:59

Tgt Ion: 83 Resp: 94665

Ion Ratio Lower Upper

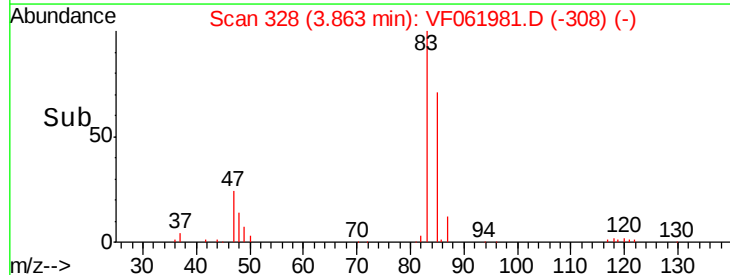
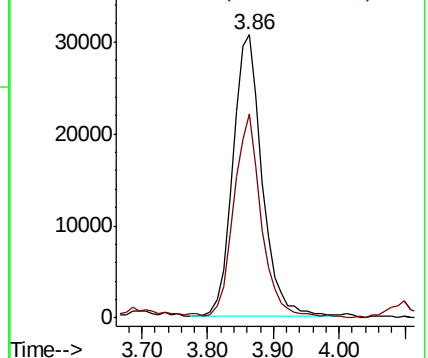
83 100

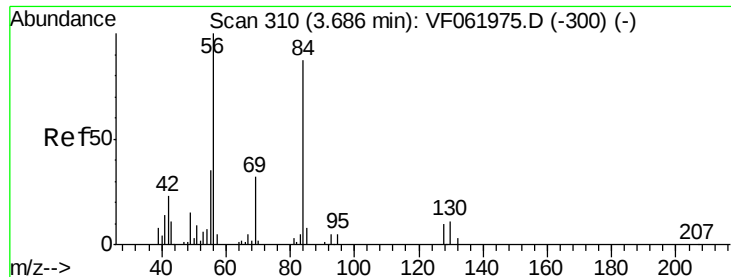
85 71.9 55.5 83.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

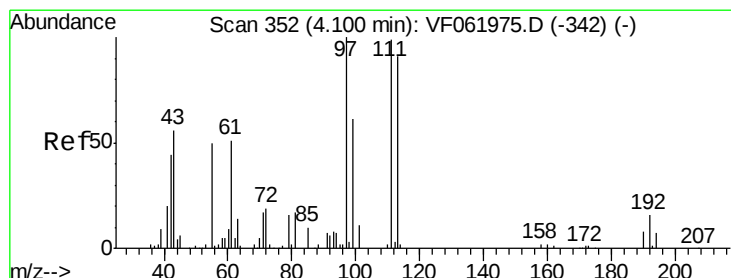
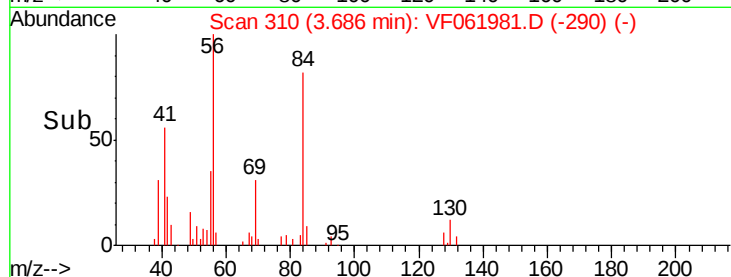
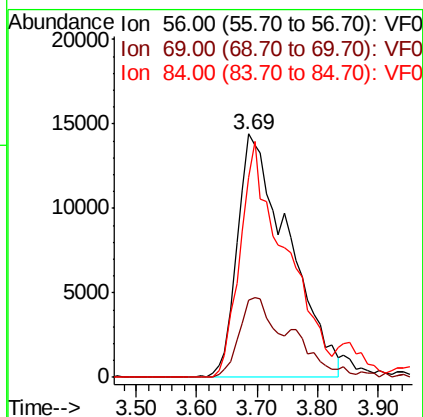
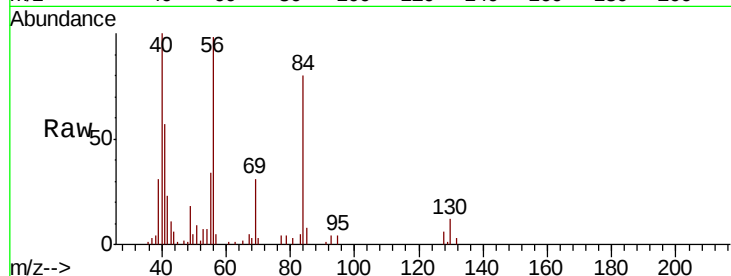




#31
Cvclohexane
Concen: 21.353 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

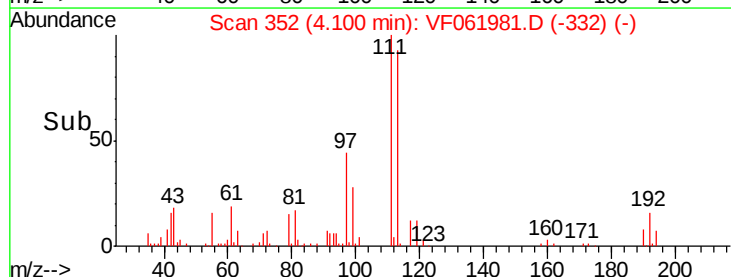
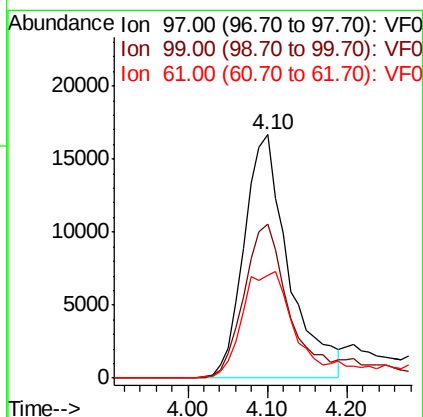
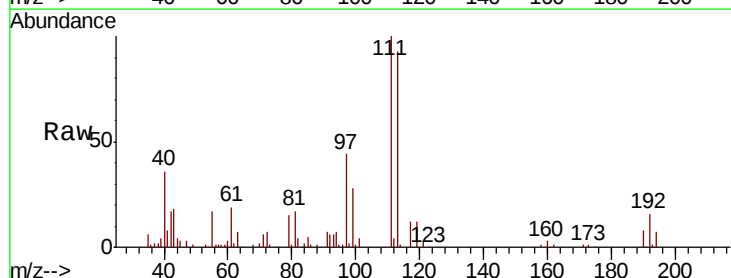
Instrument :
MSVOA_F
ClientSampleId :

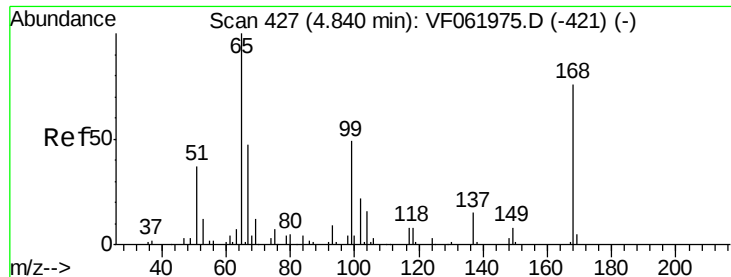
Tot Ion: 56 Resp: 84861
Ion Ratio Lower Upper
56 100
69 31.5 25.8 38.8
84 82.3 69.5 104.3



#32
1,1,1-Trichloroethane
Concen: 21.286 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 97 Resp: 64436
Ion Ratio Lower Upper
97 100
99 63.4 49.0 73.4
61 42.4 41.4 62.0





#33

1,2-Dichloroethane-d4

Concen: 51.555 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

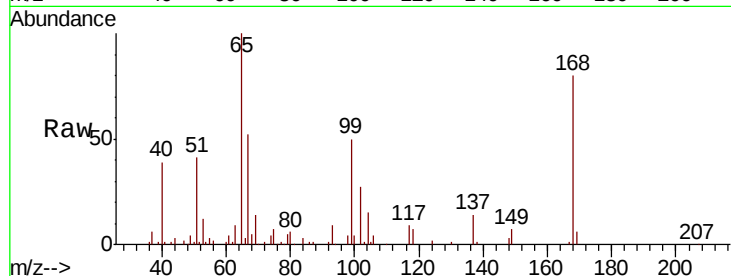
ClientSampled :

Tot Ion: 65 Resp: 99082

Ion Ratio Lower Upper

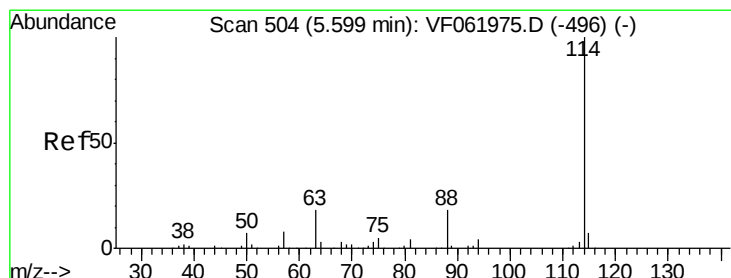
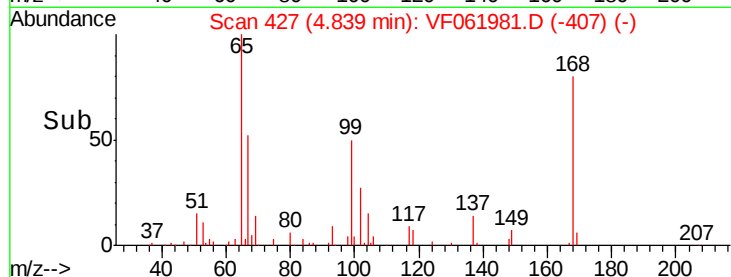
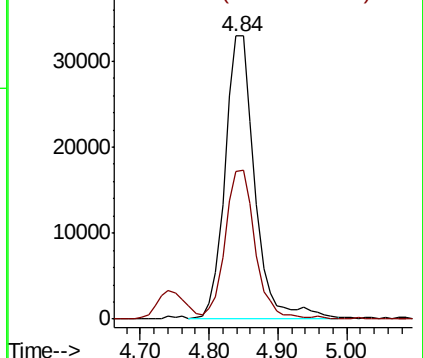
65 100

67 52.4 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

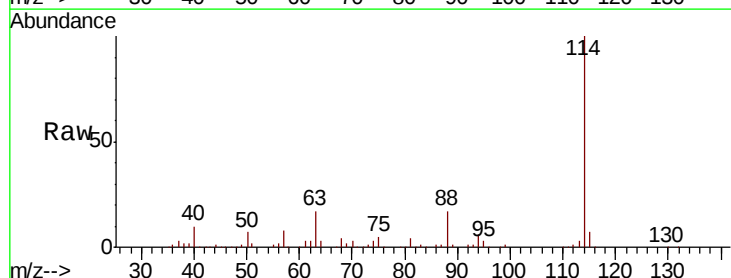
Tgt Ion: 114 Resp: 397021

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.4

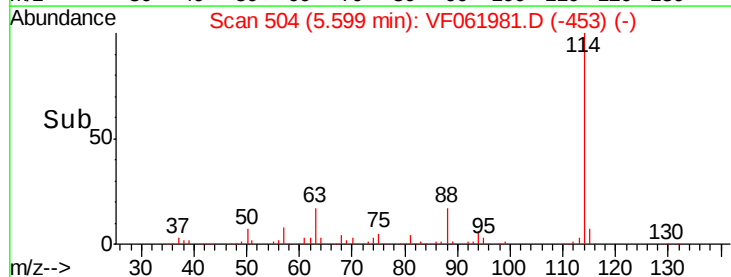
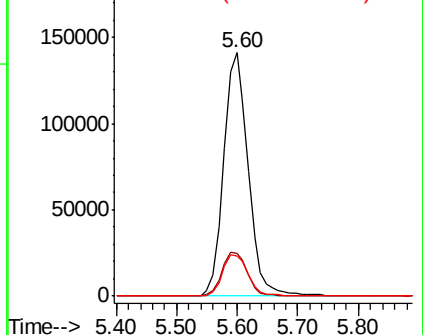
88 16.6 0.0 36.4

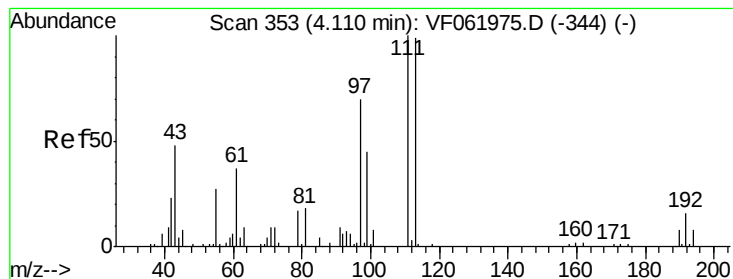


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.723 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

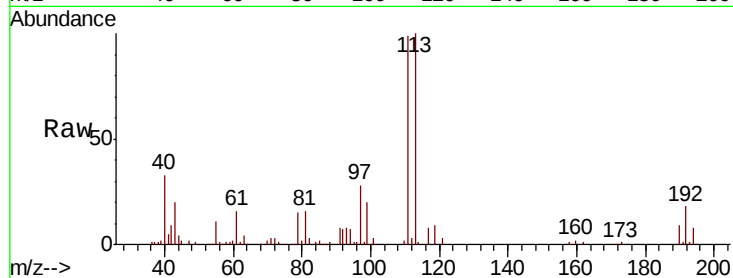
Tot Ion:113 Resp: 135231

Ion Ratio Lower Upper

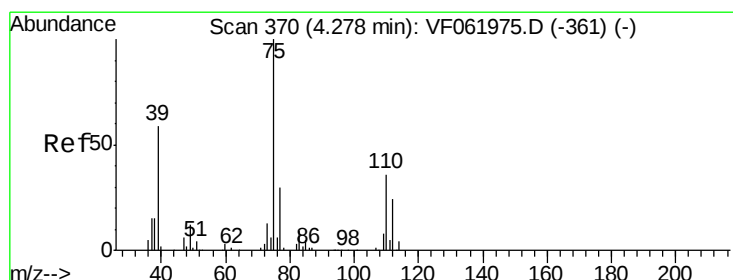
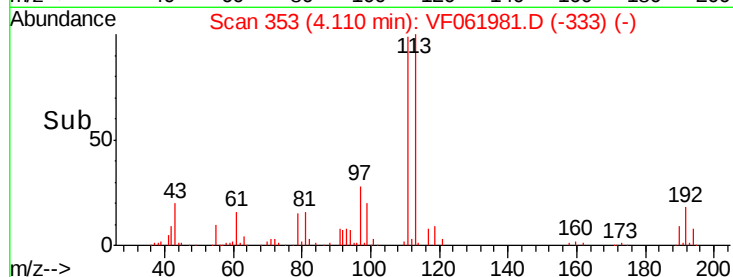
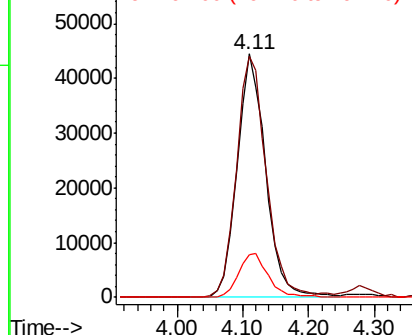
113 100

111 98.8 80.8 121.2

192 17.6 13.0 19.6



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



#36

1,1-Dichloropropene

Concen: 22.342 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

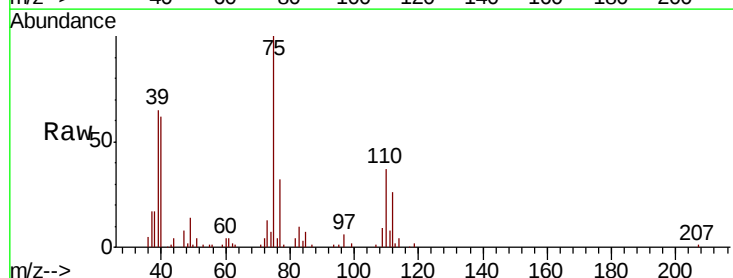
Tgt Ion: 75 Resp: 80103

Ion Ratio Lower Upper

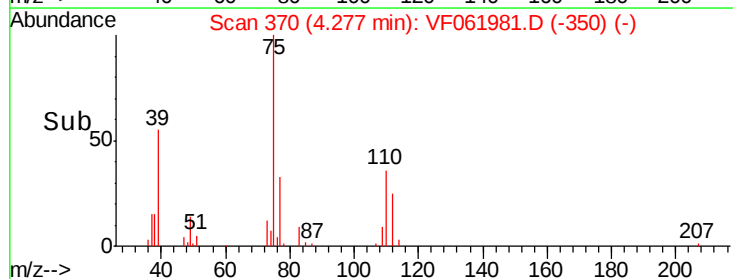
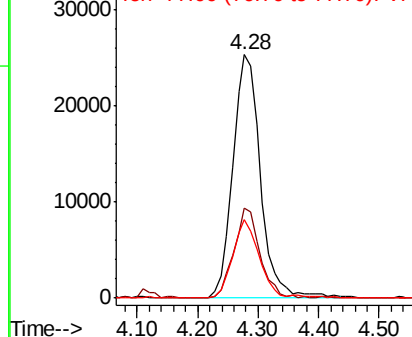
75 100

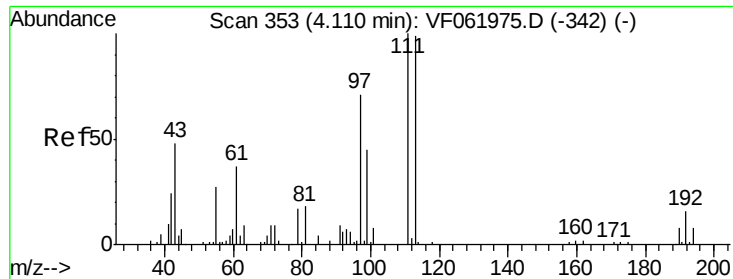
110 36.8 17.8 53.3

77 32.4 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

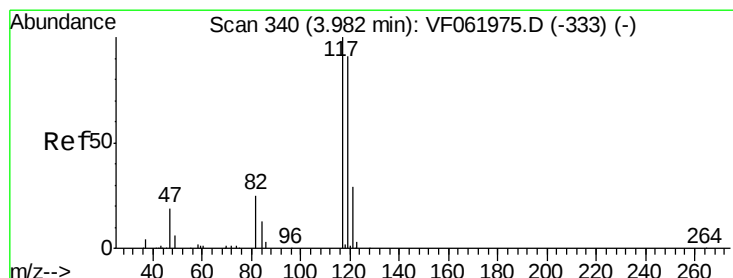
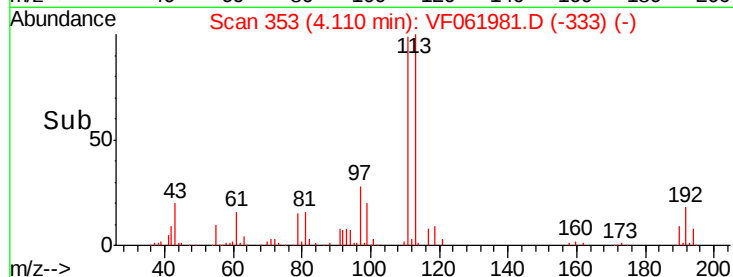
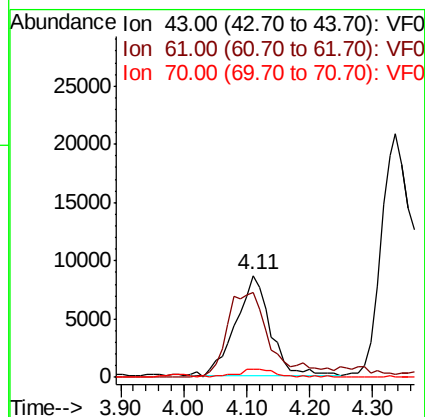
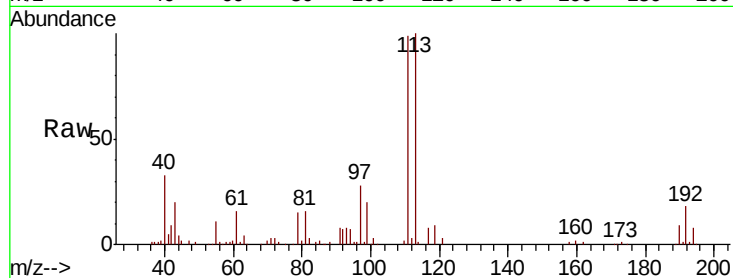




#37
Ethyl Acetate
Concen: 19.647 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

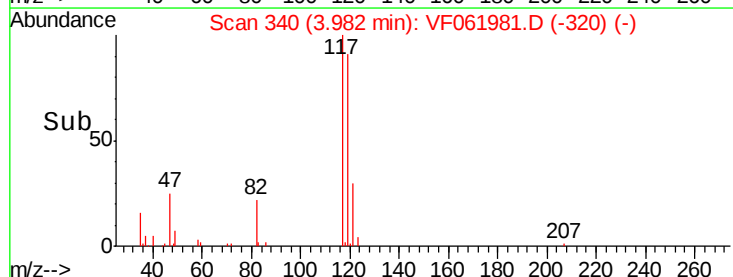
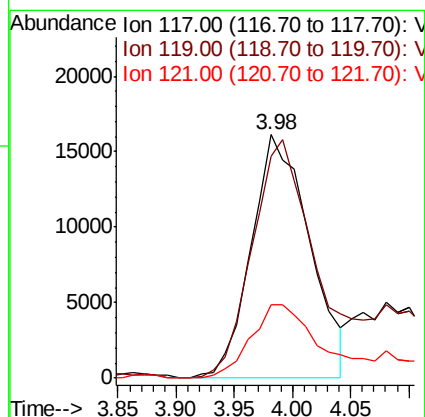
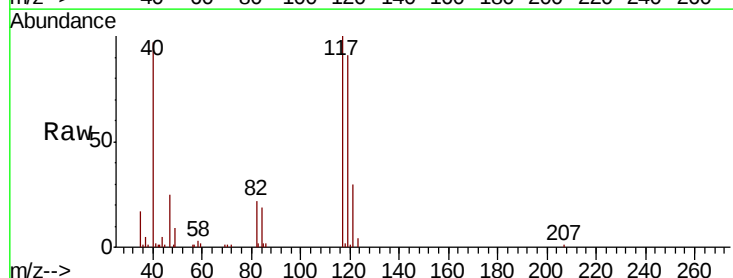
Instrument :
MSVOA_F
ClientSampled :

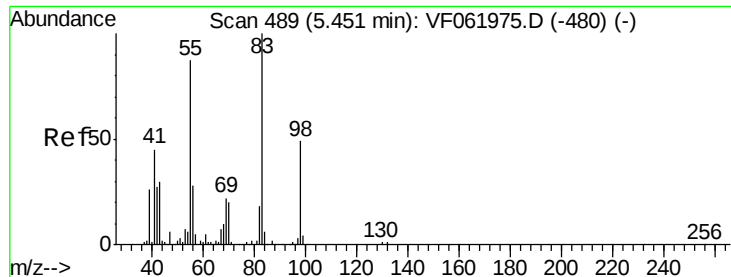
Tot Ion: 43 Resp: 31628
Ion Ratio Lower Upper
43 100
61 84.0 59.8 89.6
70 8.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 21.384 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 117 Resp: 56031
Ion Ratio Lower Upper
117 100
119 90.9 73.0 109.4
121 30.2 23.0 34.6

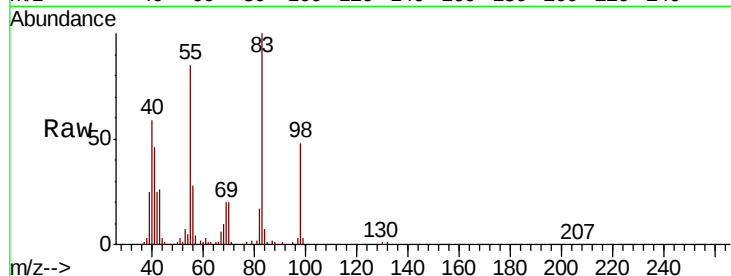




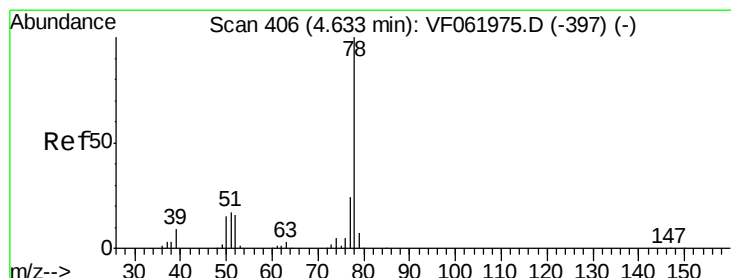
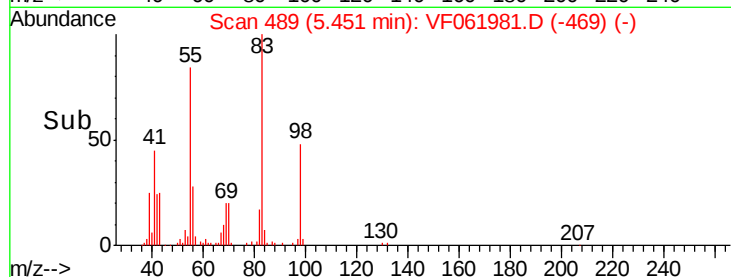
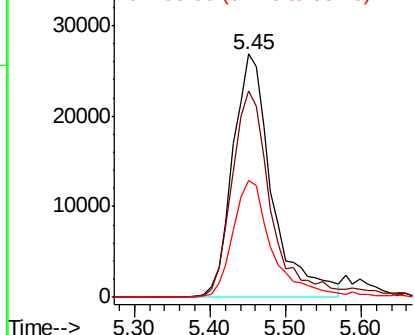
#39
Methylcyclohexane
Concen: 22.922 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 96478
Ion Ratio Lower Upper
83 100
55 84.8 69.7 104.5
98 47.9 39.4 59.0

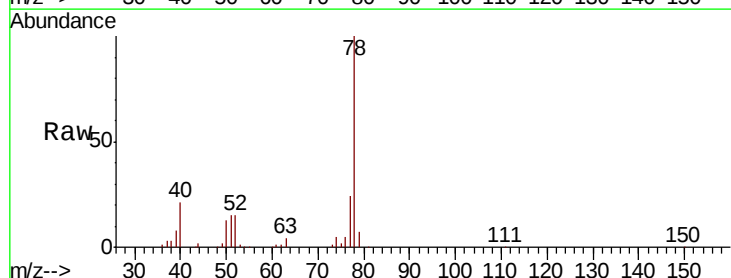


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

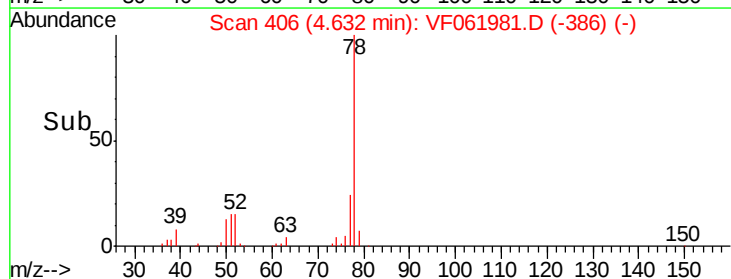
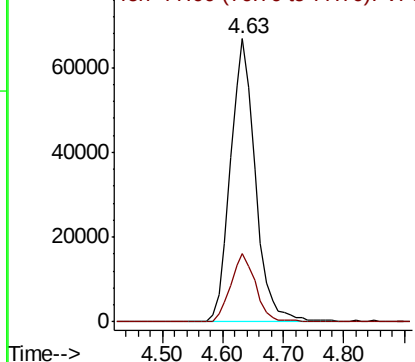


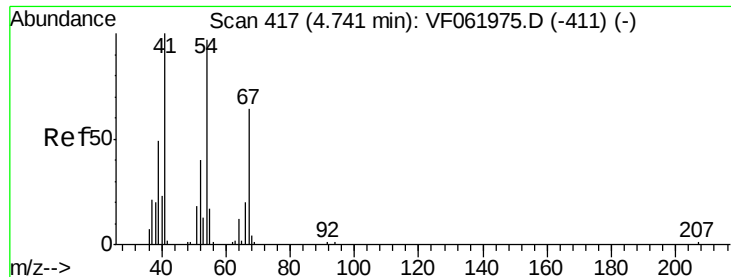
#40
Benzene
Concen: 20.119 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 78 Resp: 191130
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.407 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 17552

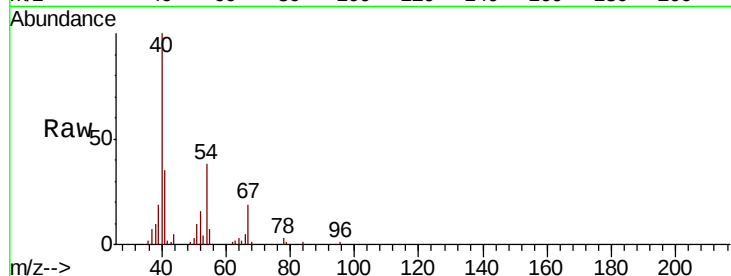
Ion Ratio Lower Upper

41 100

39 55.5 46.2 69.4

67 55.1 49.8 74.8

52 44.8 42.7 64.1

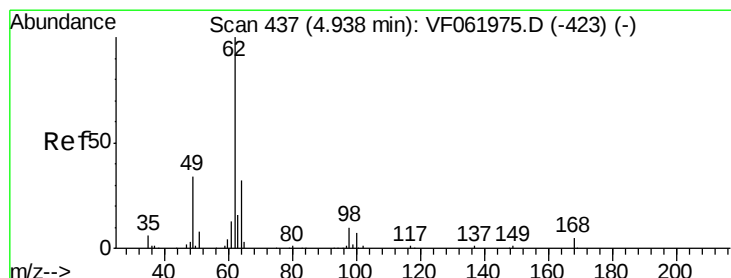
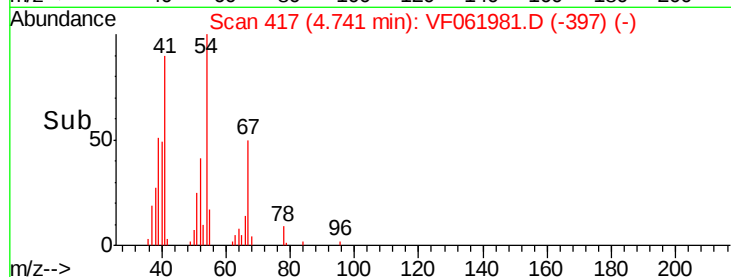
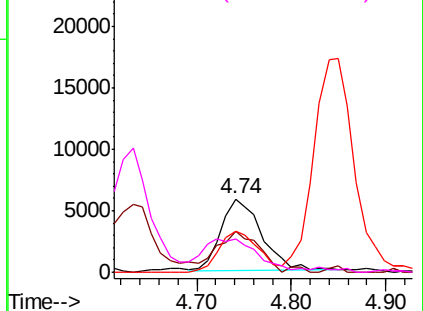


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.192 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.00 min

Lab File: VF061981.D

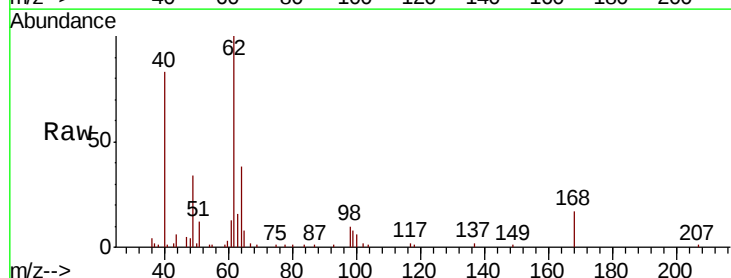
Acq: 16 Mar 2019 17:59

Tgt Ion: 62 Resp: 50117

Ion Ratio Lower Upper

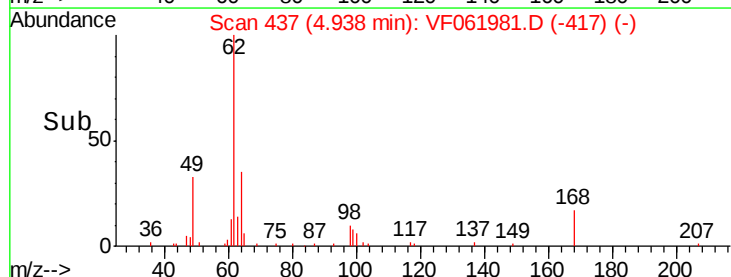
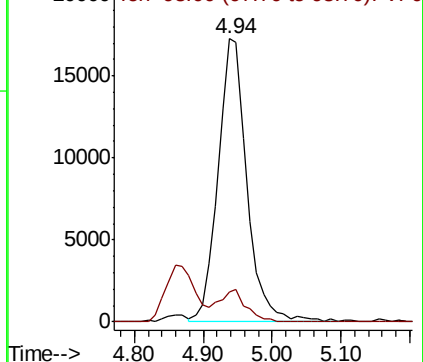
62 100

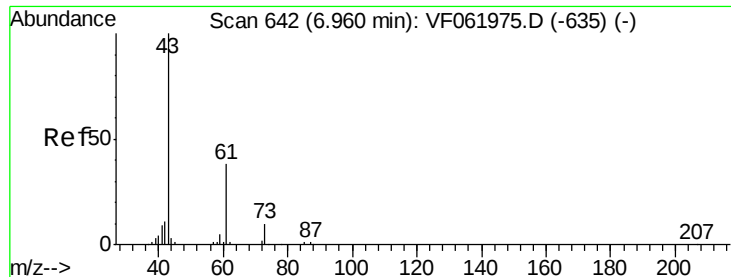
98 10.4 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

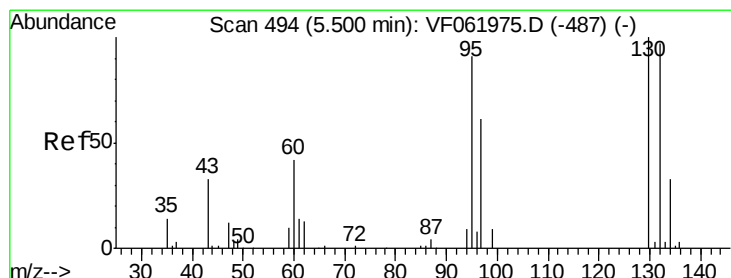
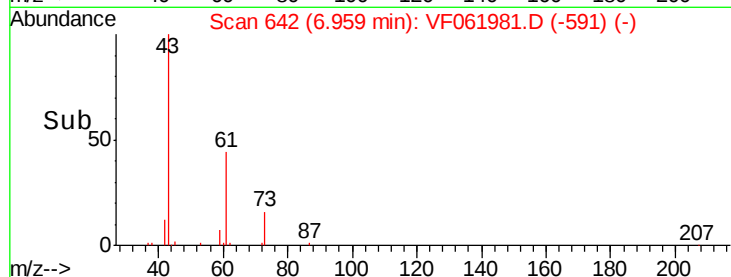
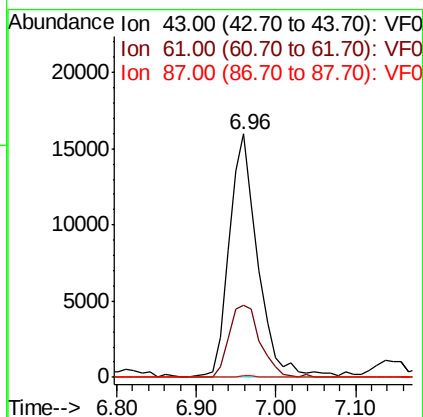
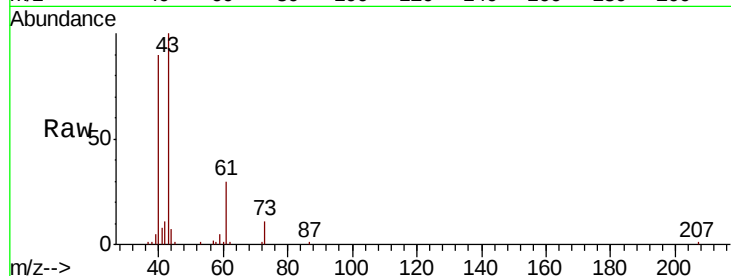




#43
Isopropyl Acetate
Concen: 21.020 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

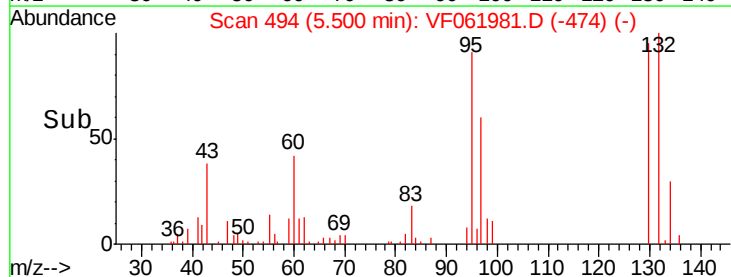
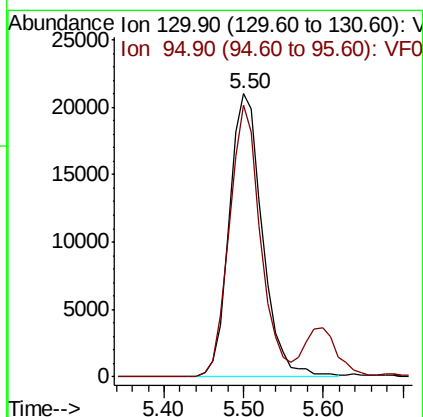
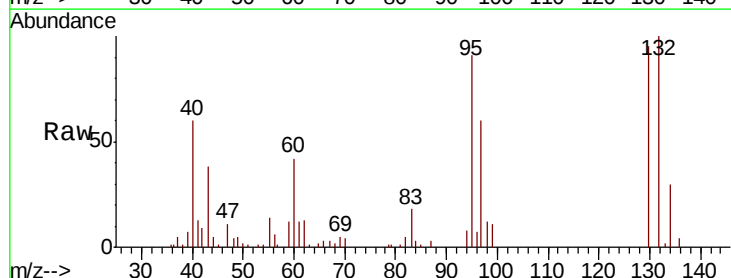
Instrument :
MSVOA_F
ClientSampleId :

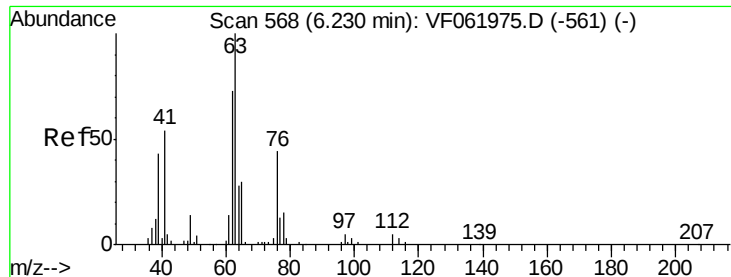
Tot Ion: 43 Resp: 40037
Ion Ratio Lower Upper
43 100
61 29.6 30.1 45.1#
87 0.7 0.4 0.6#



#44
Trichloroethene
Concen: 20.892 ug/l
RT: 5.50 min Scan# 494
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion:130 Resp: 60800
Ion Ratio Lower Upper
130 100
95 95.9 0.0 181.4





#45

1,2-Dichloropropane

Concen: 21.477 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

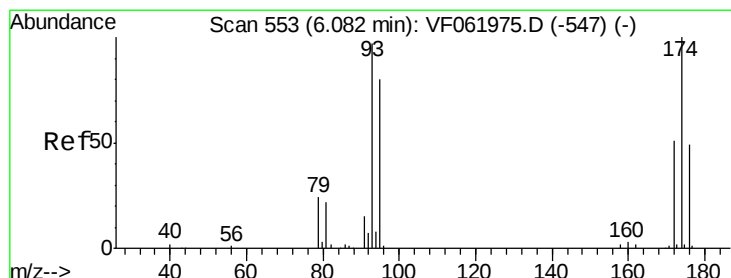
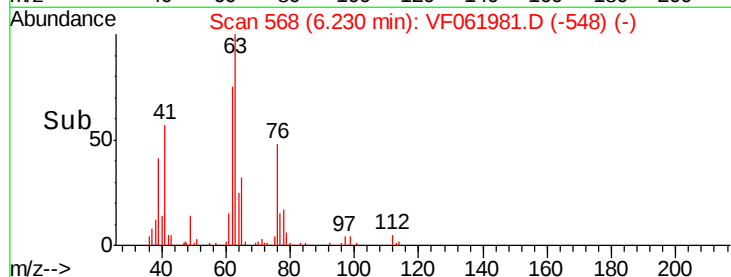
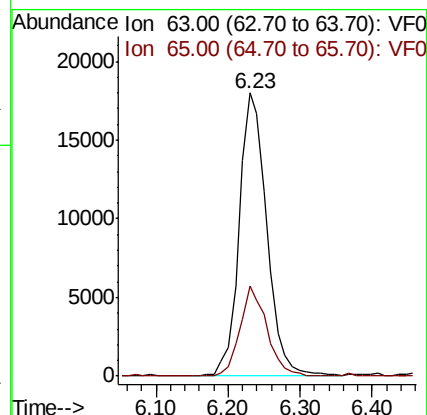
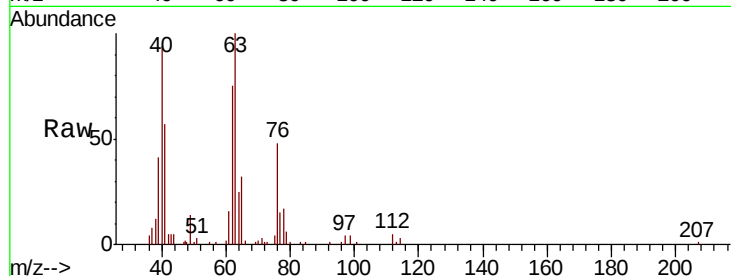
ClientSampleId :

Tot Ion: 63 Resp: 48287

Ion Ratio Lower Upper

63 100

65 31.8 23.7 35.5



#46

Dibromomethane

Concen: 21.804 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

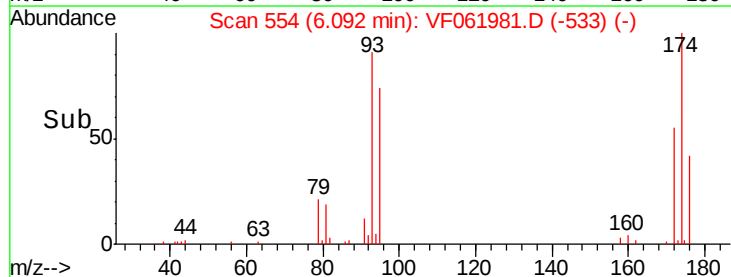
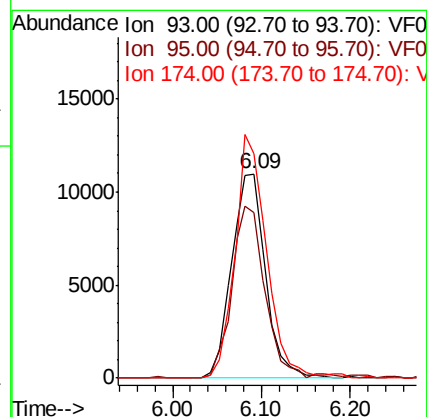
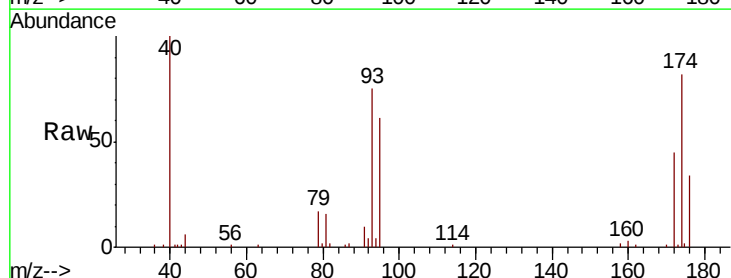
Tgt Ion: 93 Resp: 29162

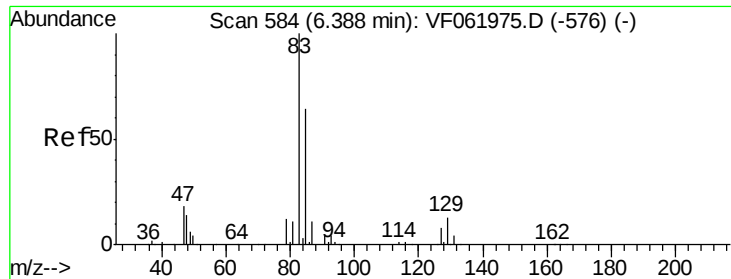
Ion Ratio Lower Upper

93 100

95 81.2 65.7 98.5

174 109.7 82.2 123.4





#47

Bromodichloromethane

Concen: 21.029 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

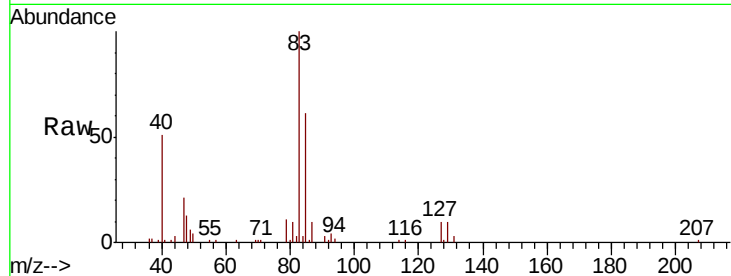
Tot Ion: 83 Resp: 66308

Ion Ratio Lower Upper

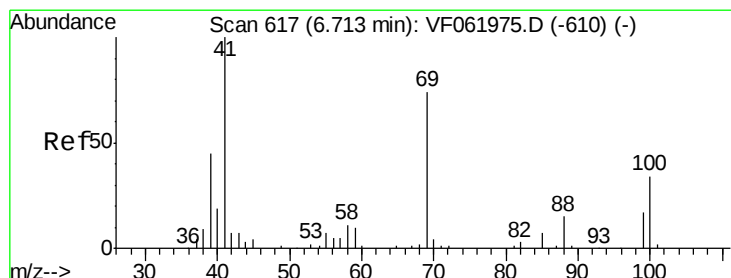
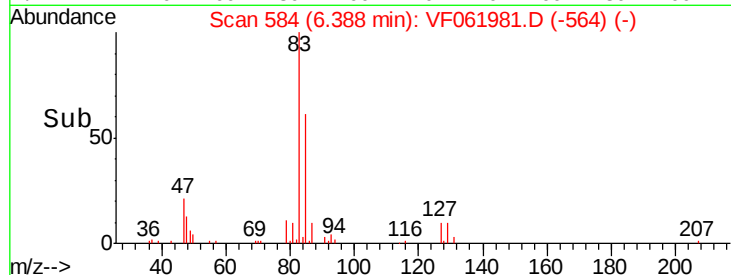
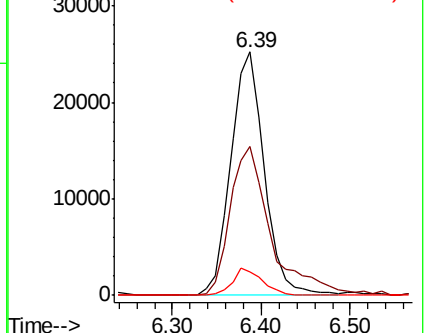
83 100

85 61.3 51.4 77.2

127 9.6 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: 21.081 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

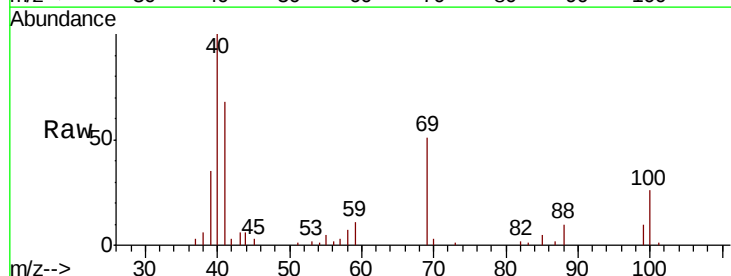
Tgt Ion: 41 Resp: 25950

Ion Ratio Lower Upper

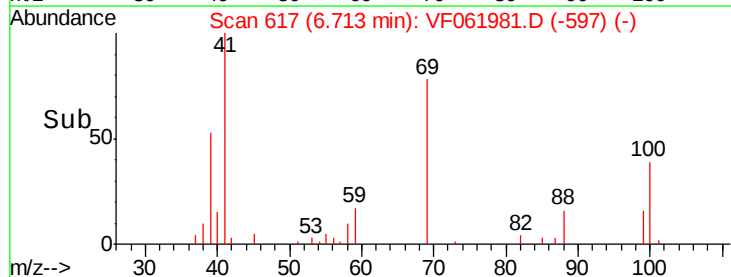
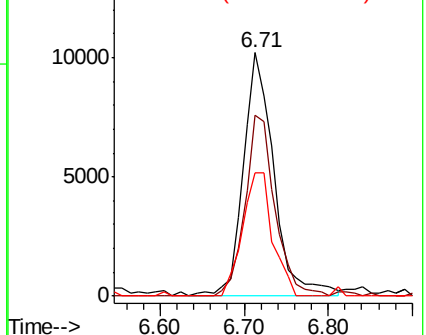
41 100

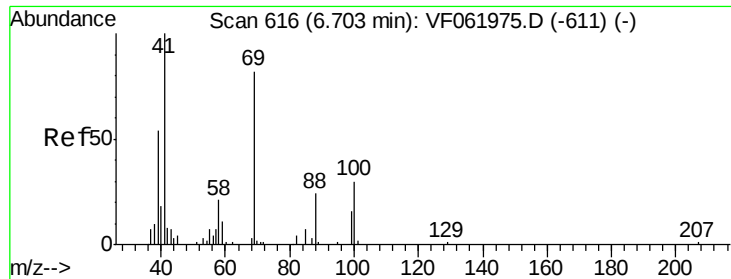
69 74.5 59.0 88.6

39 50.8 35.6 53.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

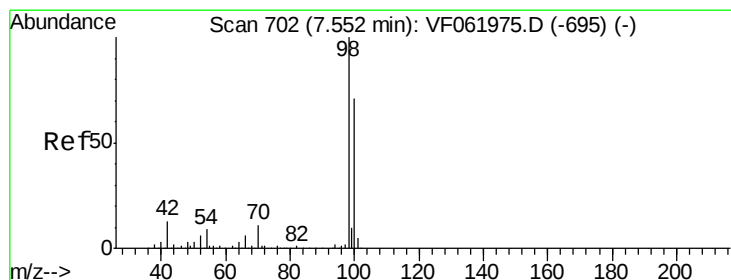
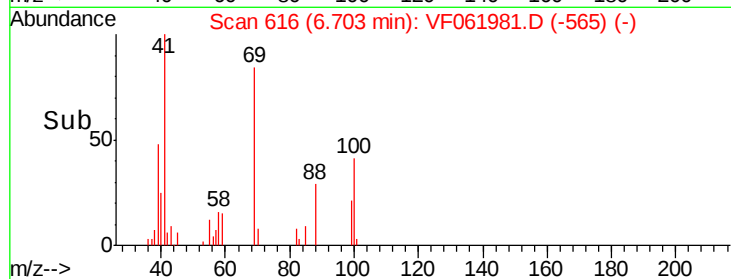
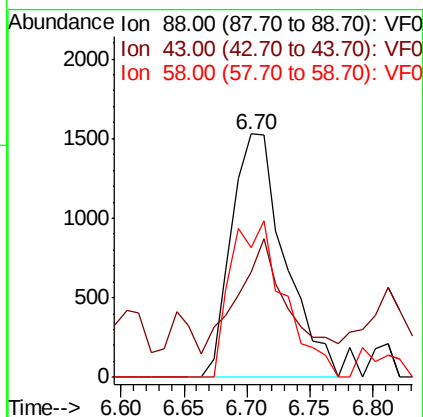
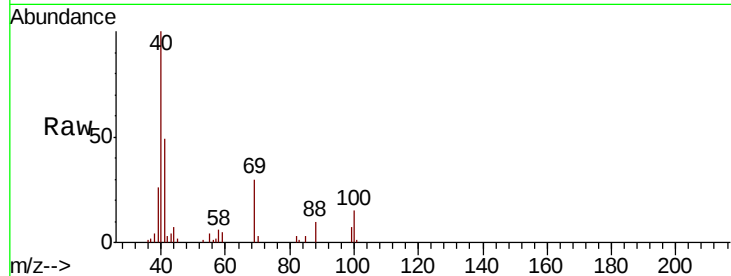




#49
1,4-Dioxane
Concen: 410.789 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

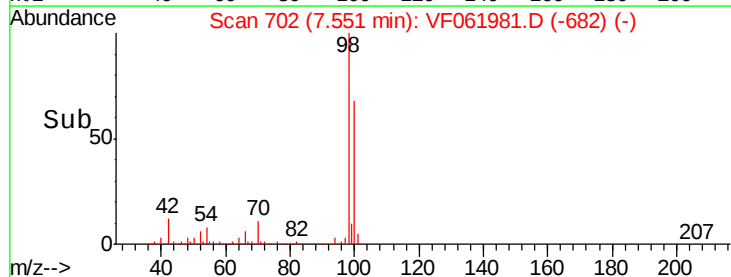
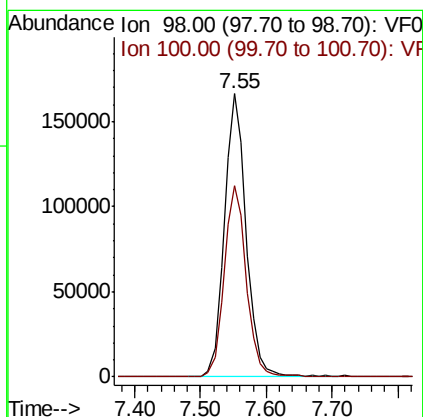
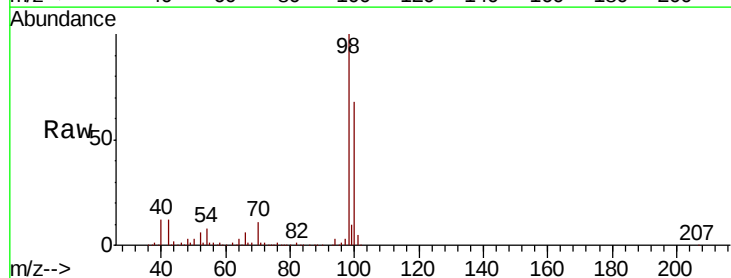
Instrument :
MSVOA_F
ClientSampleId :

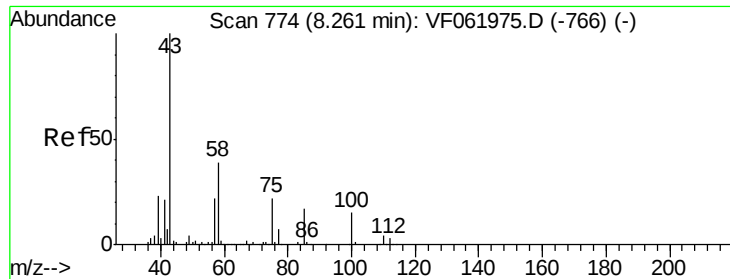
Tot Ion: 88 Resp: 4498
Ion Ratio Lower Upper
88 100
43 43.2 31.2 46.8
58 53.5 69.9 104.9#



#50
Toluene-d8
Concen: 49.434 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 98 Resp: 385273
Ion Ratio Lower Upper
98 100
100 67.8 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 106.151 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

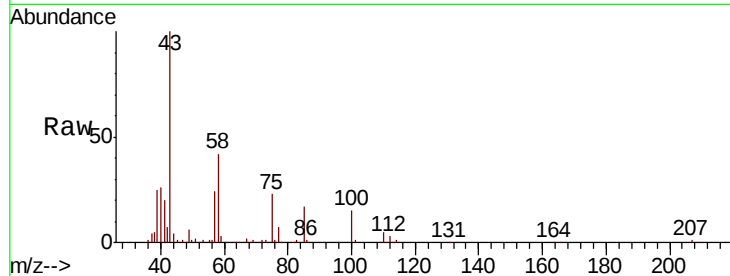
ClientSampleId :

Tot Ion: 43 Resp: 143574

Ion Ratio Lower Upper

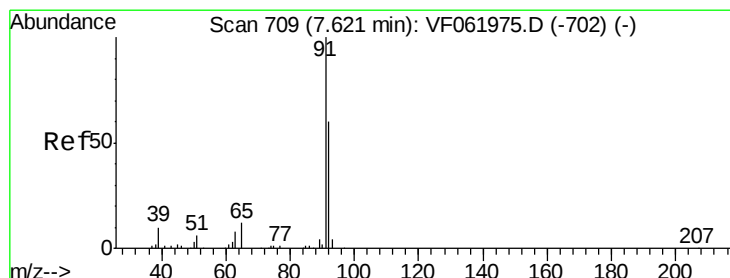
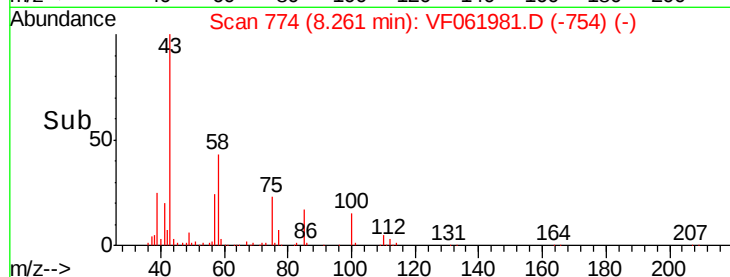
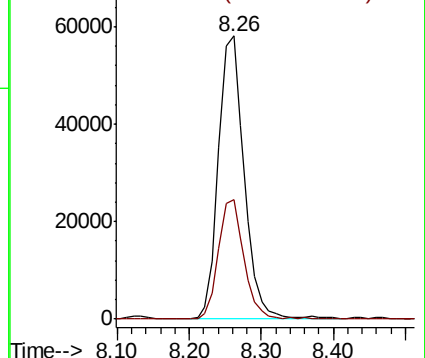
43 100

58 42.5 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: 20.335 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061981.D

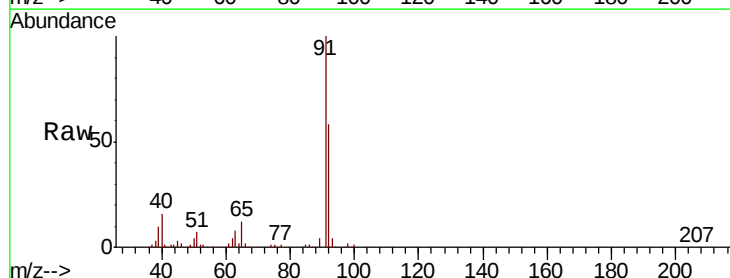
Acq: 16 Mar 2019 17:59

Tgt Ion: 92 Resp: 118035

Ion Ratio Lower Upper

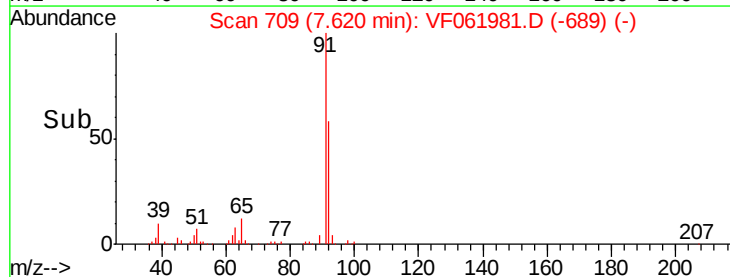
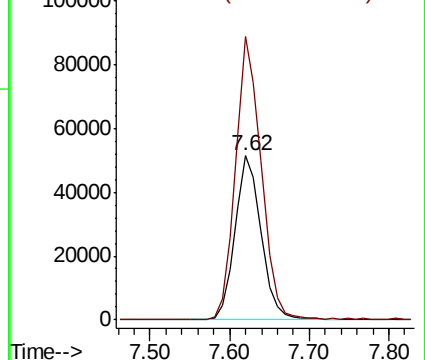
92 100

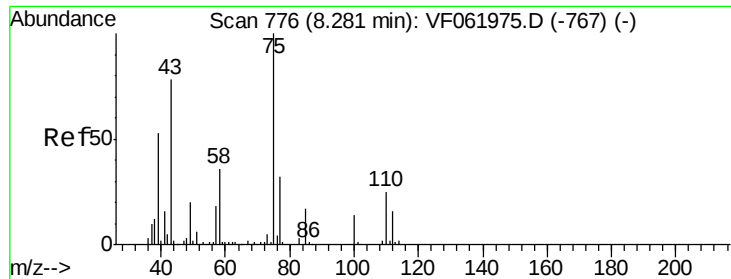
91 172.4 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

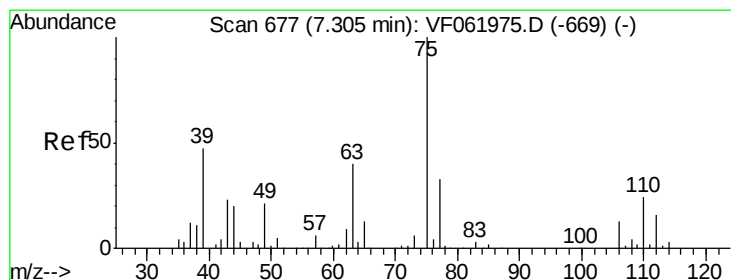
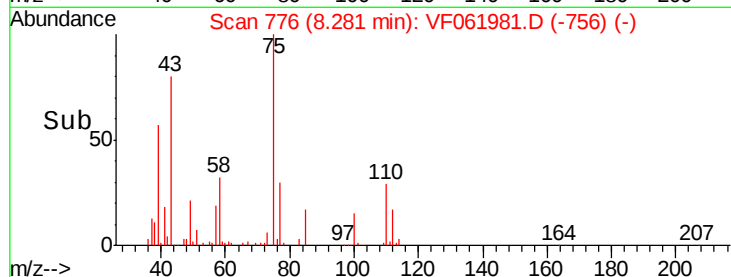
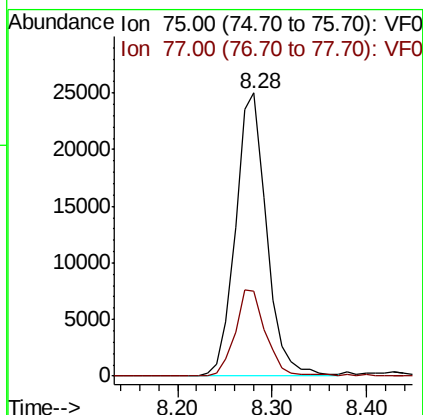
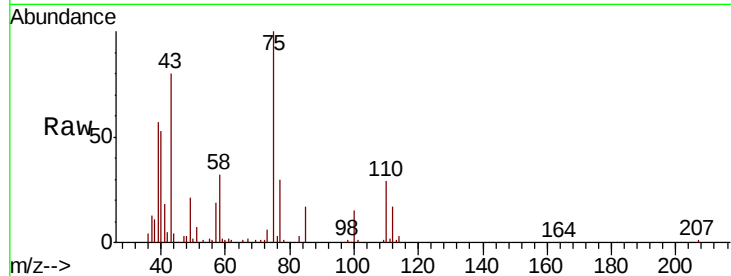




#53
 t-1,3-Dichloropropene
 Concen: 21.376 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

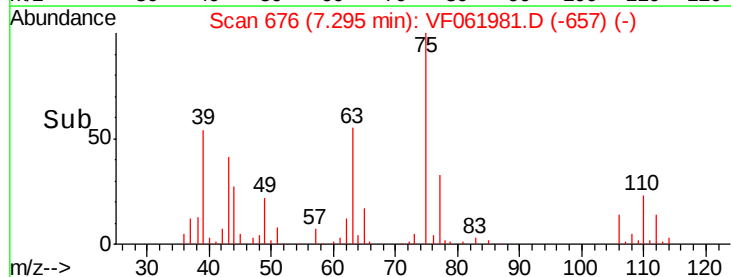
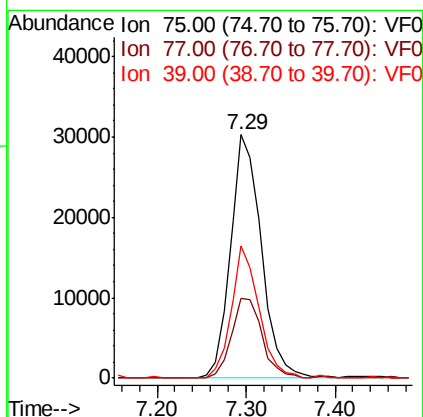
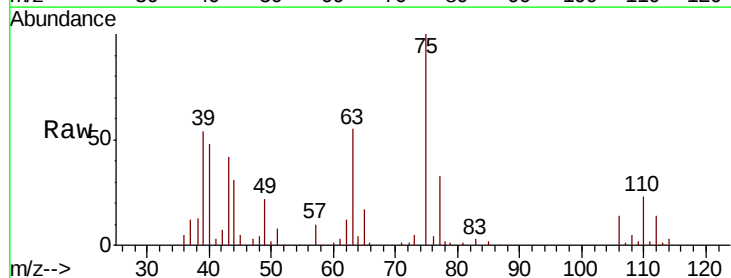
Instrument :
 MSVOA_F
 ClientSampled :

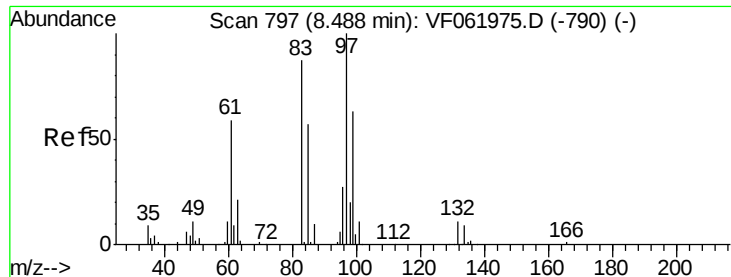
Tot Ion: 75 Resp: 56904
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 21.090 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion: 75 Resp: 73255
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6
 39 54.1 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 21.302 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 34511

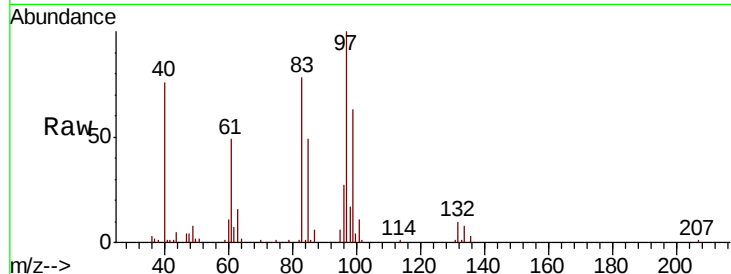
Ion Ratio Lower Upper

97 100

83 78.1 69.7 104.5

85 49.0 45.8 68.6

99 63.0 50.3 75.5

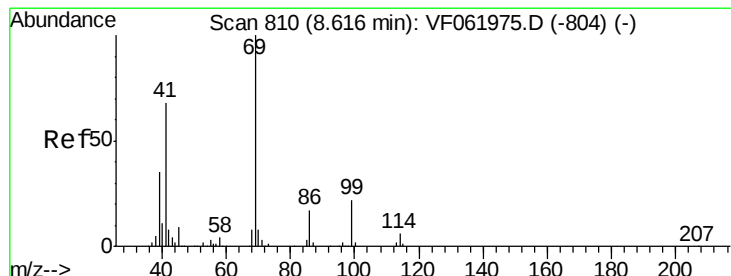
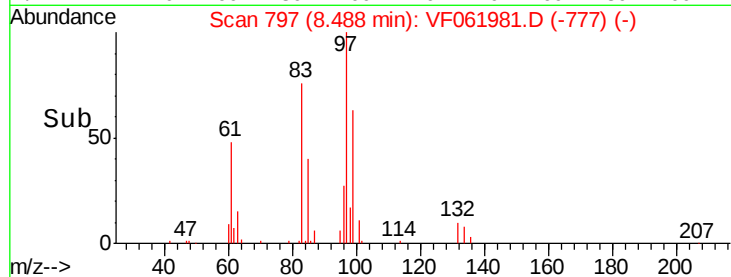
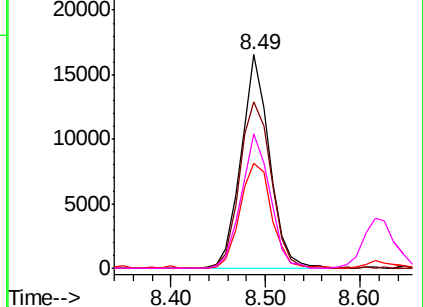


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.260 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

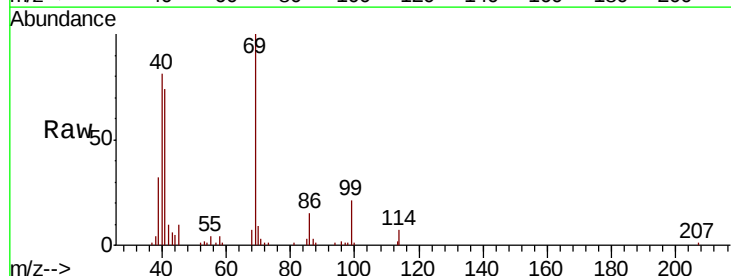
Tgt Ion: 69 Resp: 39153

Ion Ratio Lower Upper

69 100

41 73.5 54.7 82.1

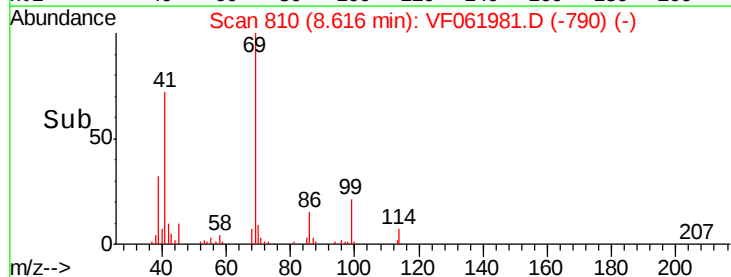
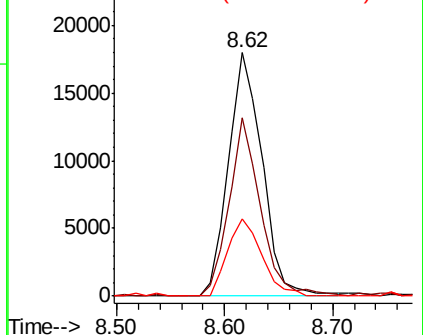
39 31.6 27.9 41.9

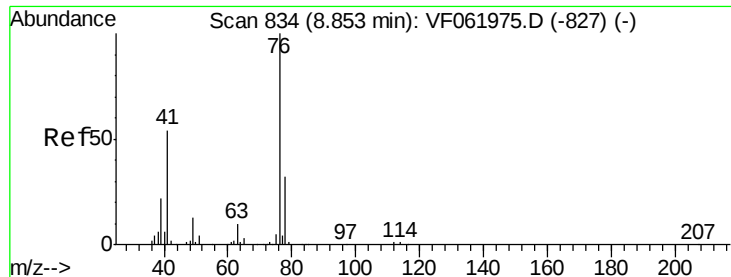


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.705 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

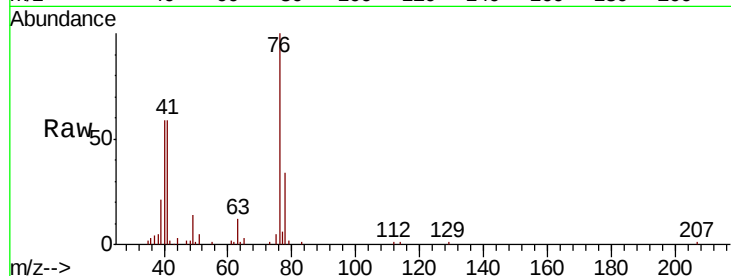
ClientSampleId :

Tot Ion: 76 Resp: 58656

Ion Ratio Lower Upper

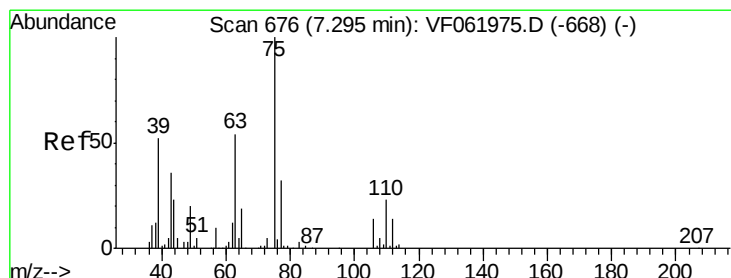
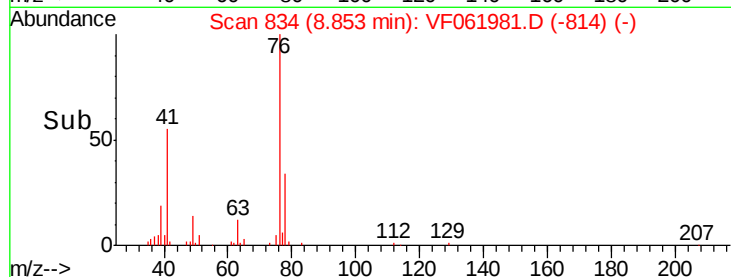
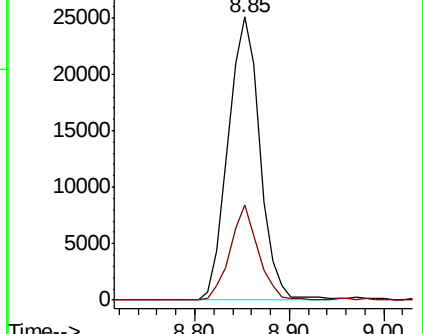
76 100

78 33.5 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 105.133 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF061981.D

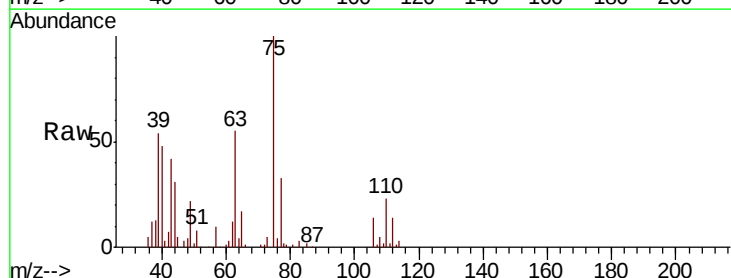
Acq: 16 Mar 2019 17:59

Tgt Ion: 63 Resp: 35069

Ion Ratio Lower Upper

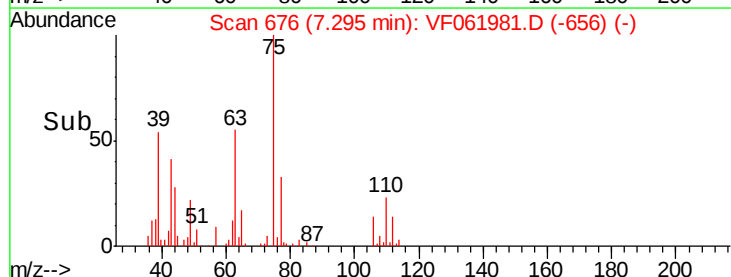
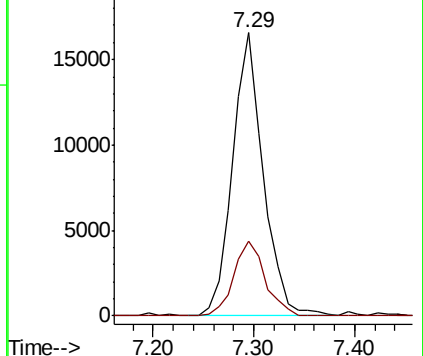
63 100

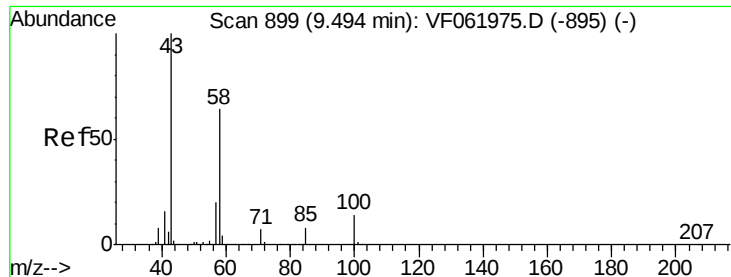
106 26.2 20.9 31.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

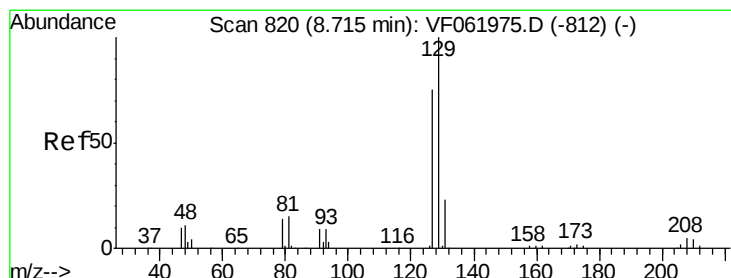
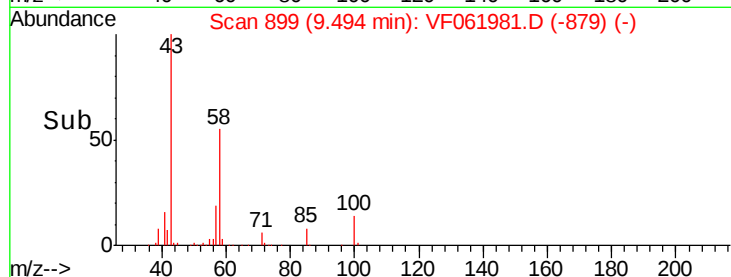
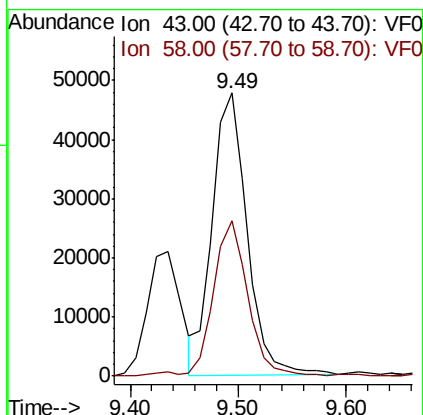
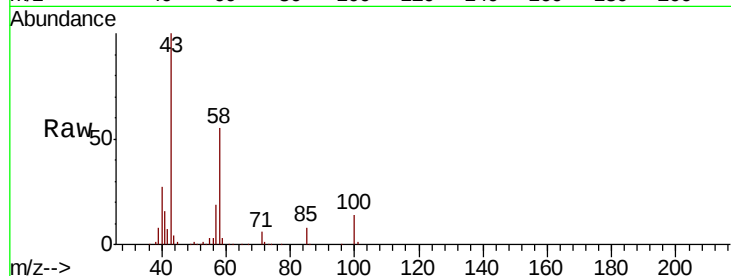




#59
2-Hexanone
Concen: 108.851 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

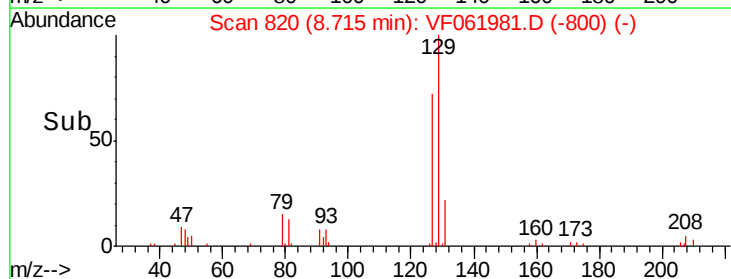
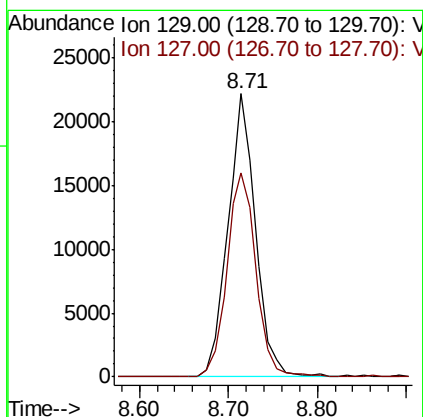
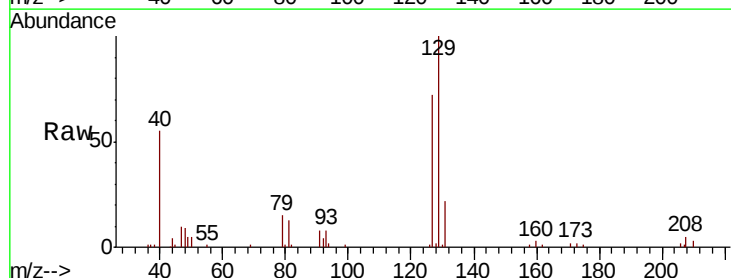
Instrument :
MSVOA_F
ClientSampleId :

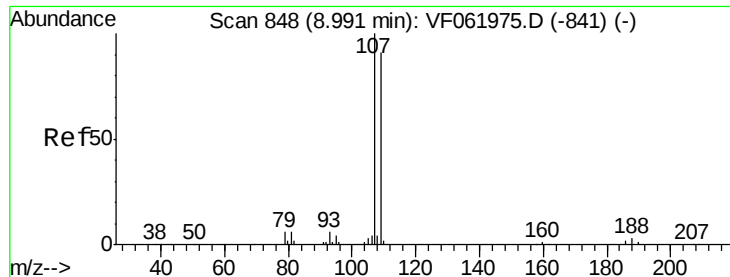
Tot Ion: 43 Resp: 106548
Ion Ratio Lower Upper
43 100
58 54.9 28.4 85.2



#60
Dibromochloromethane
Concen: 21.439 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 129 Resp: 48217
Ion Ratio Lower Upper
129 100
127 72.2 37.3 111.8





#61

1,2-Dibromoethane

Concen: 22.114 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

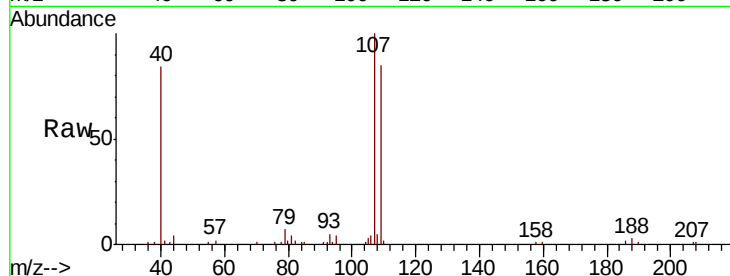
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 38429

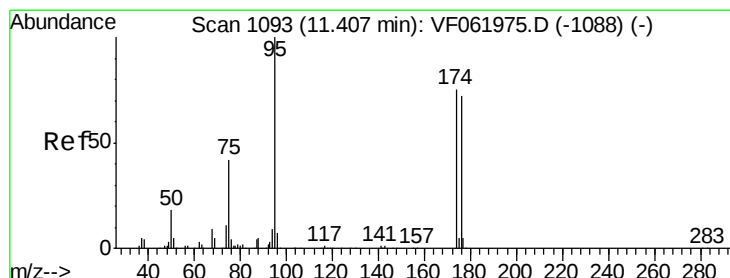
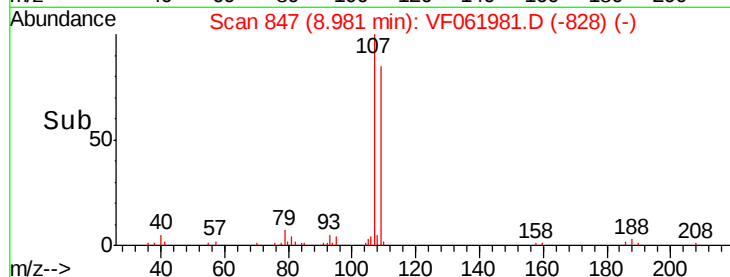
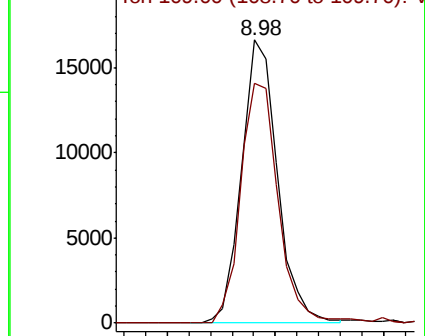
Ion Ratio Lower Upper

107 100

109 84.9 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: 51.048 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

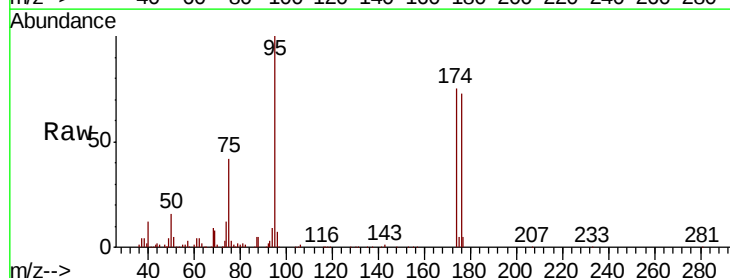
Tgt Ion: 95 Resp: 158053

Ion Ratio Lower Upper

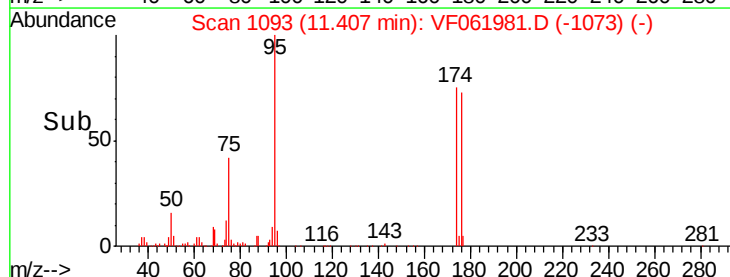
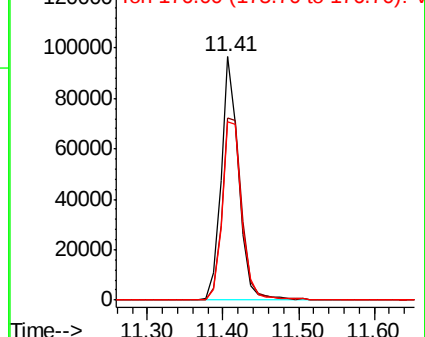
95 100

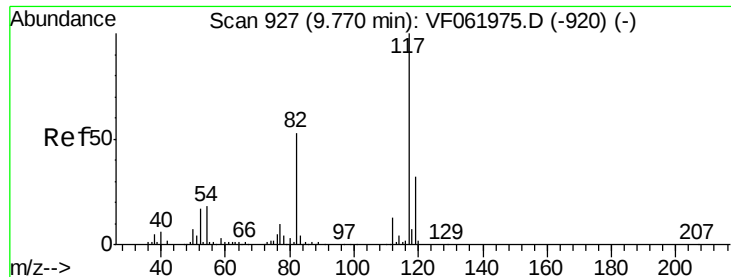
174 74.7 0.0 149.4

176 73.4 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

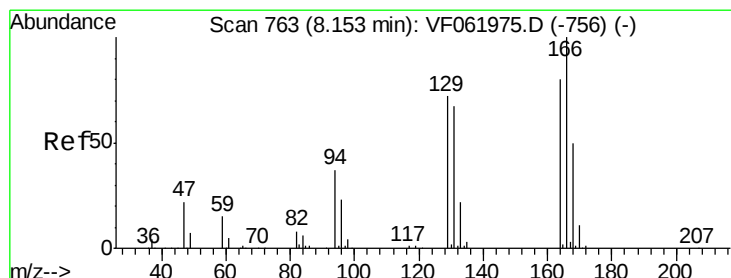
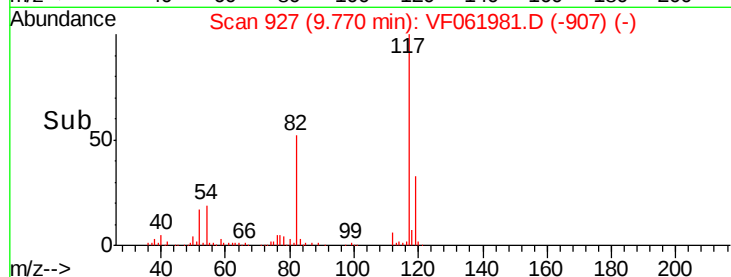
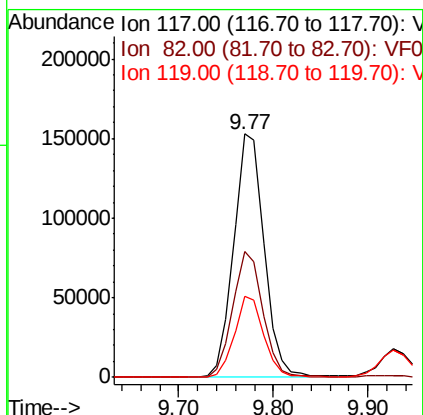
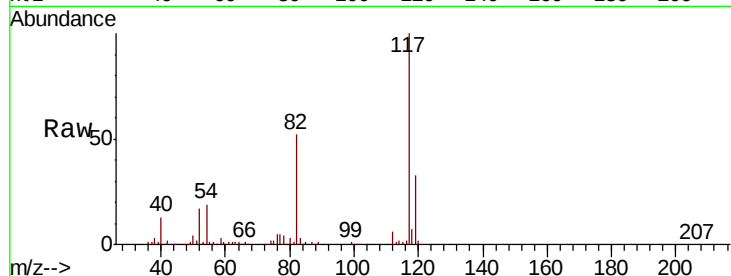




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

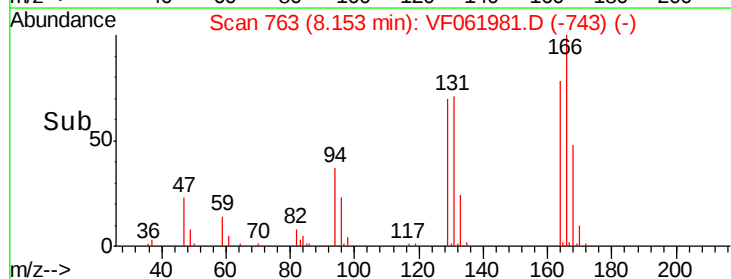
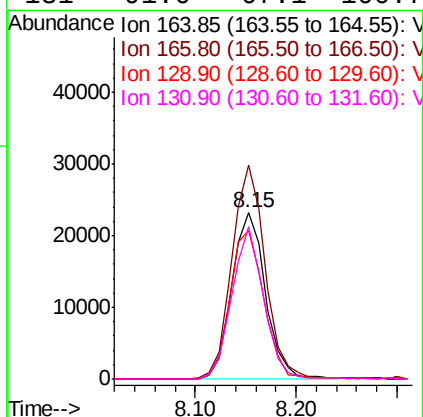
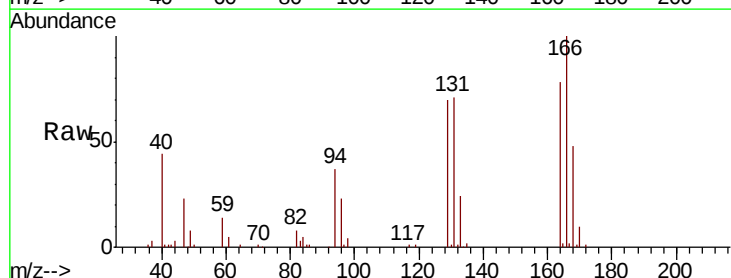
Instrument :
MSVOA_F
ClientSampleId :

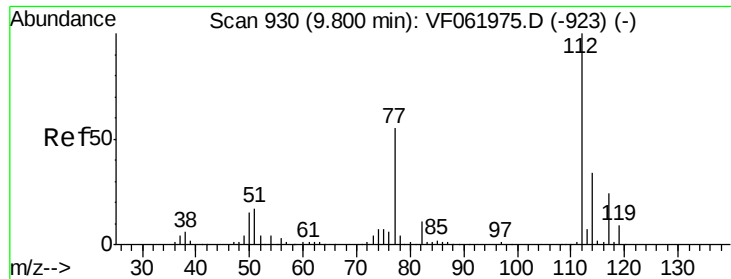
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.5	63.7
119	33.3	25.4	38.0



#64
Tetrachloroethene
Concen: 21.652 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.0	150.0
129	89.7	72.4	108.6
131	91.6	67.1	100.7

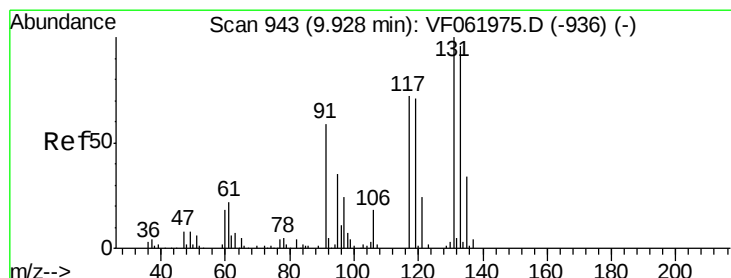
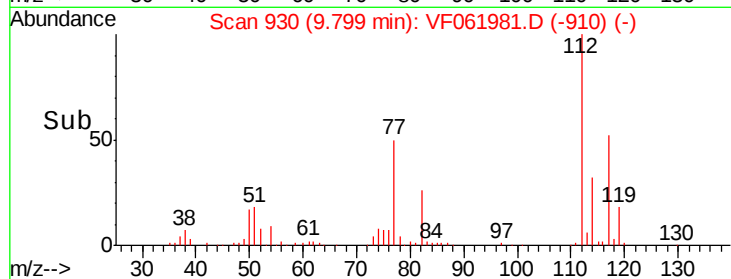
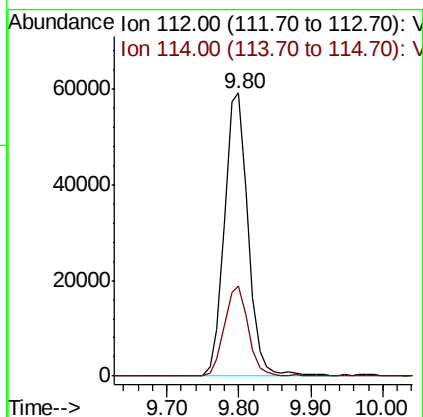
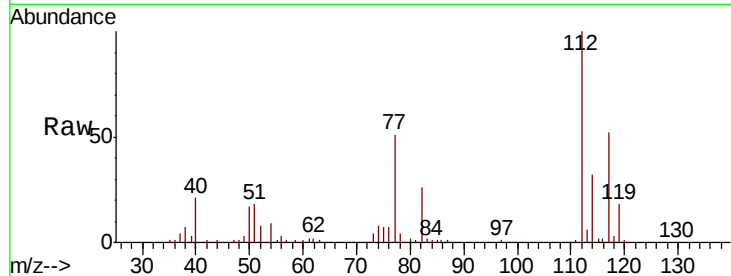




#65
Chlorobenzene
Concen: 21.032 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

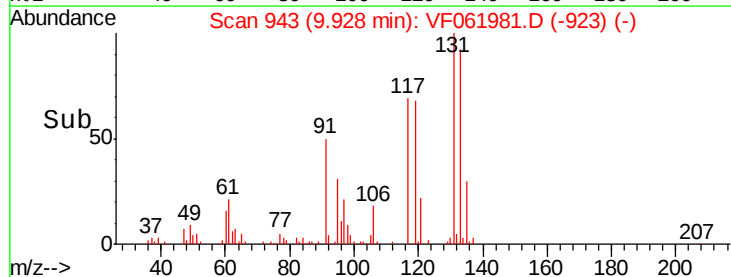
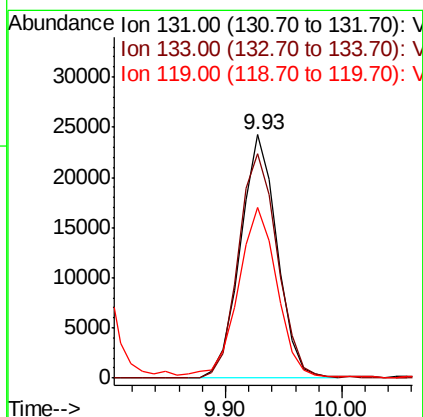
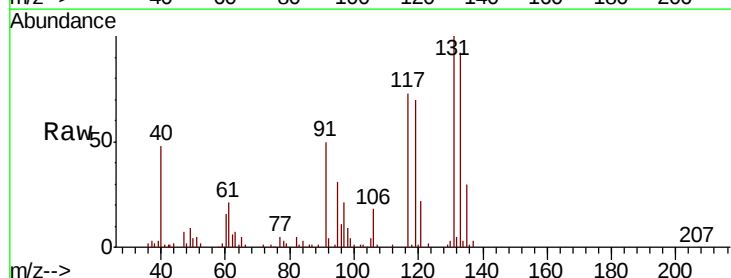
Instrument :
MSVOA_F
ClientSampleId :

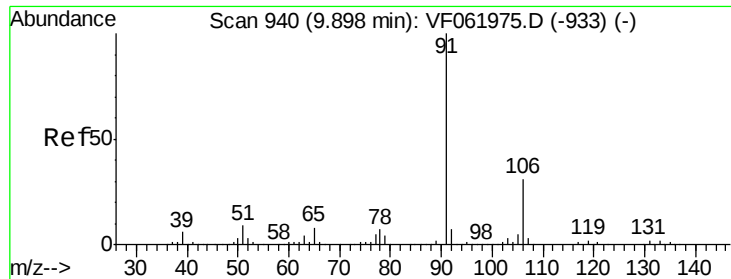
Tot Ion:112 Resp: 134040
Ion Ratio Lower Upper
112 100
114 31.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.483 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion:131 Resp: 53070
Ion Ratio Lower Upper
131 100
133 92.4 48.0 144.2
119 69.9 35.9 107.7

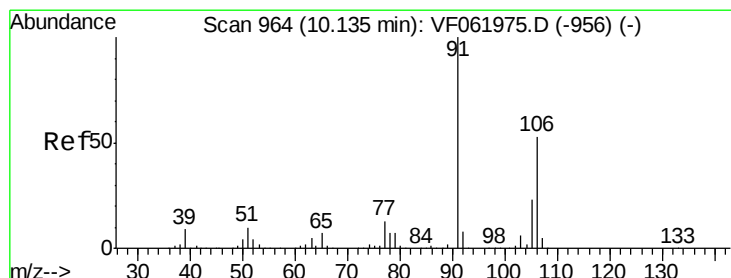
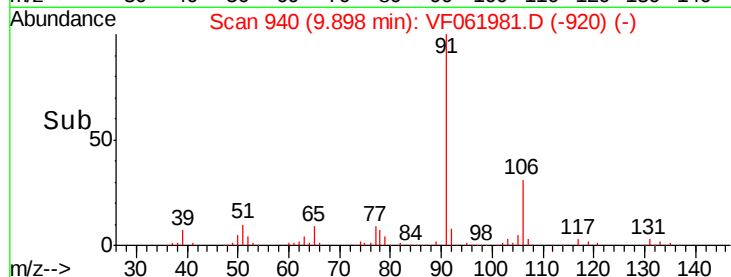
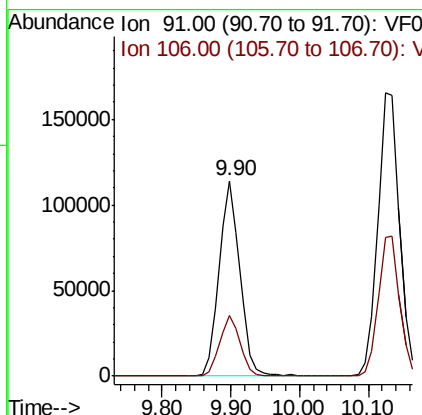
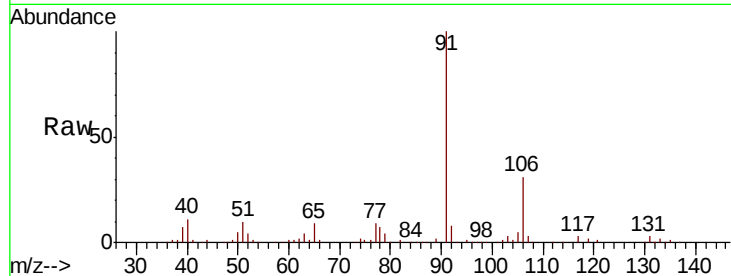




#67
Ethyl Benzene
Concen: 21.885 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

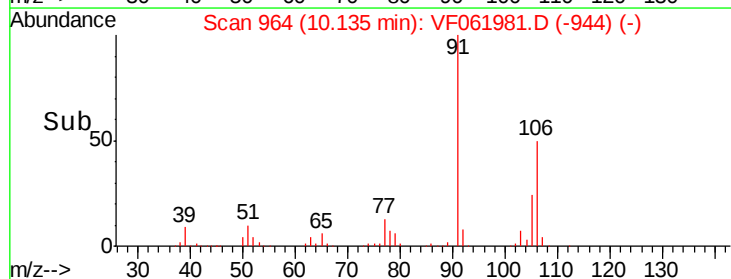
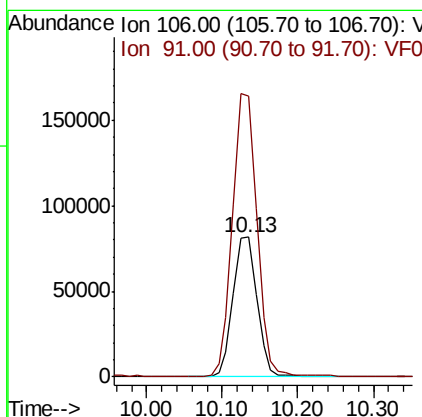
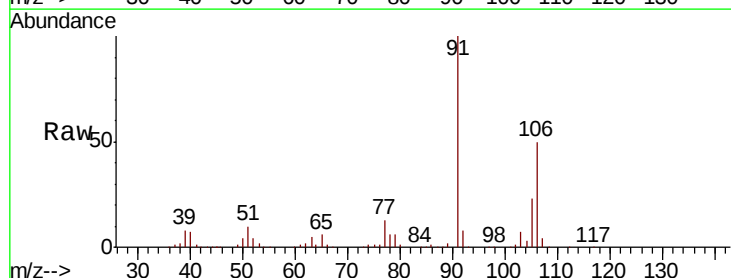
Instrument :
MSVOA_F
ClientSampleId :

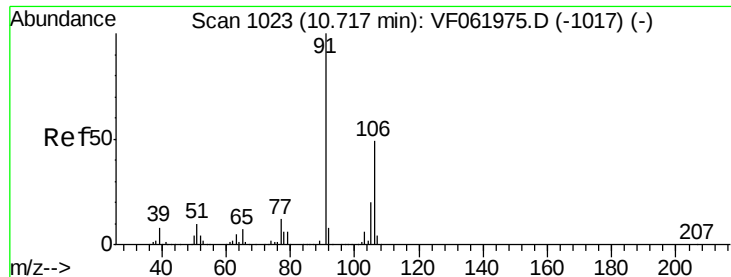
Tot Ion: 91 Resp: 238809
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6



#68
m/p-Xylenes
Concen: 44.037 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 106 Resp: 180738
Ion Ratio Lower Upper
106 100
91 200.9 151.9 227.9

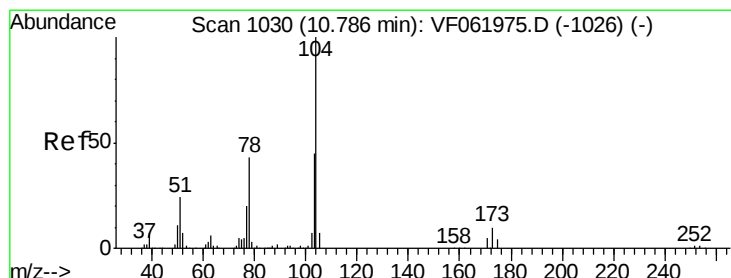
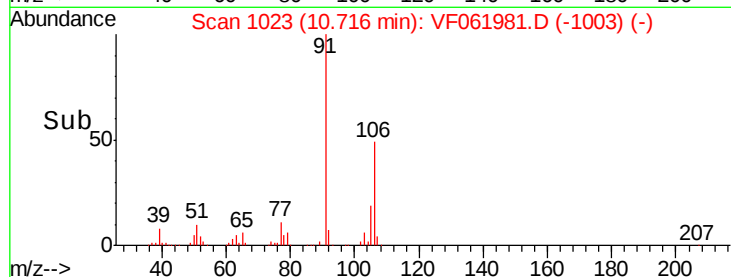
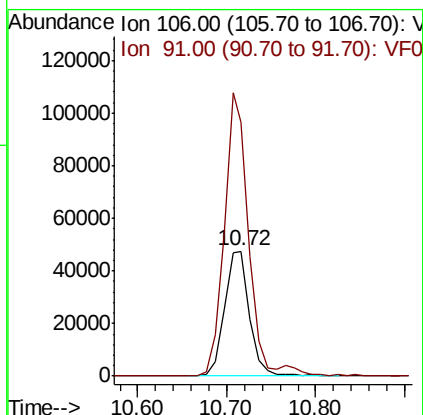
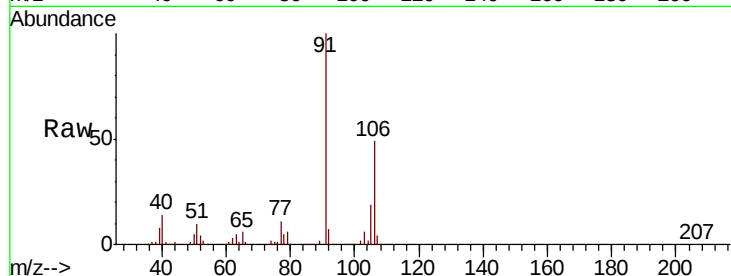




#69
o-Xylene
Concen: 21.468 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

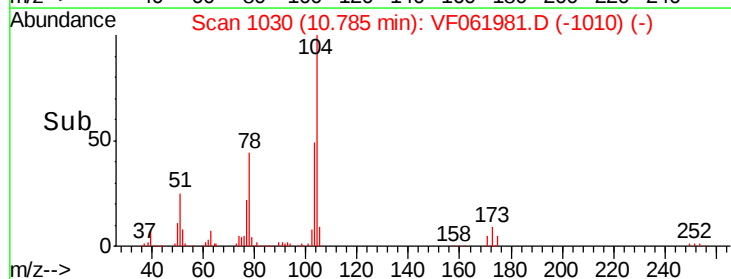
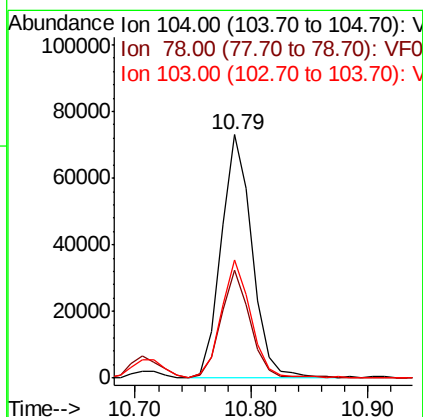
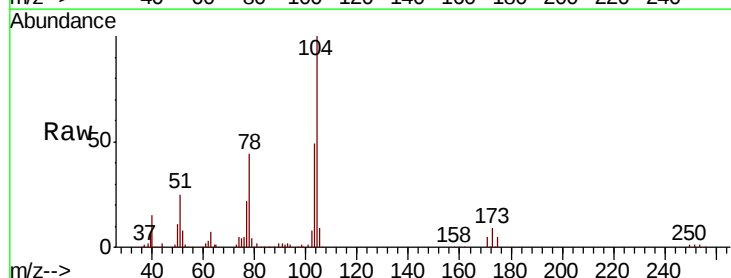
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 94280
Ion Ratio Lower Upper
106 100
91 203.8 102.3 306.8



#70
Styrene
Concen: 21.834 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion:104 Resp: 132838
Ion Ratio Lower Upper
104 100
78 44.4 34.7 52.1
103 48.7 36.6 54.8





#71

Bromoform

Concen: 20.032 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

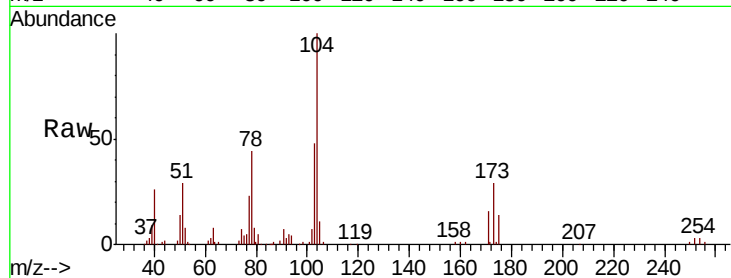
Tot Ion:173 Resp: 25030

Ion Ratio Lower Upper

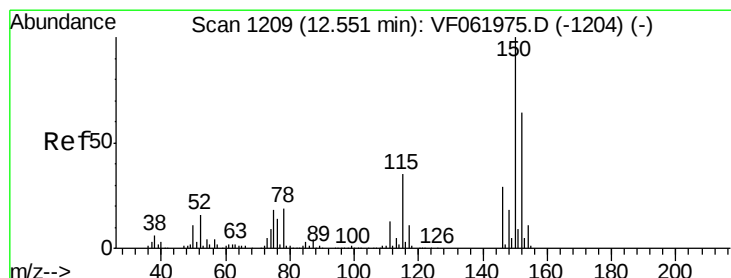
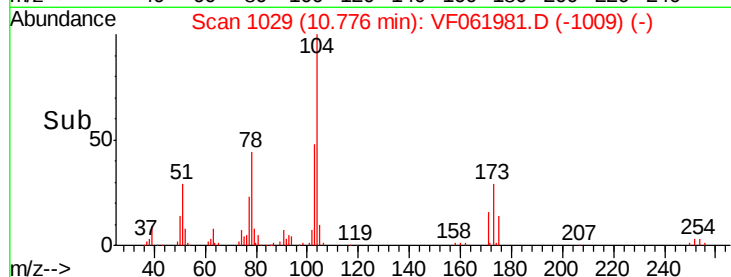
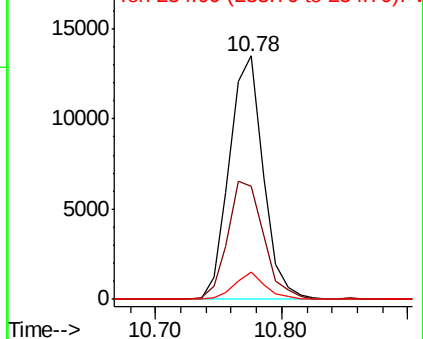
173 100

175 46.4 23.7 71.1

254 11.1 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: VF061981.D

Acq: 16 Mar 2019 17:59

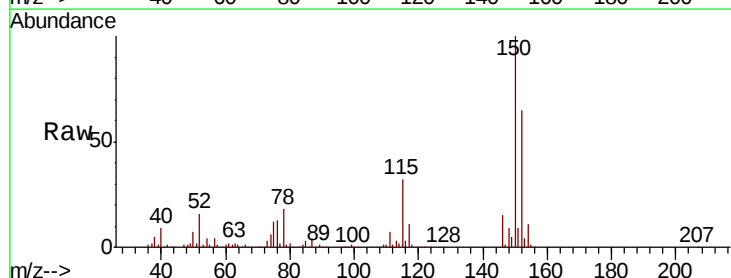
Tgt Ion:152 Resp: 185273

Ion Ratio Lower Upper

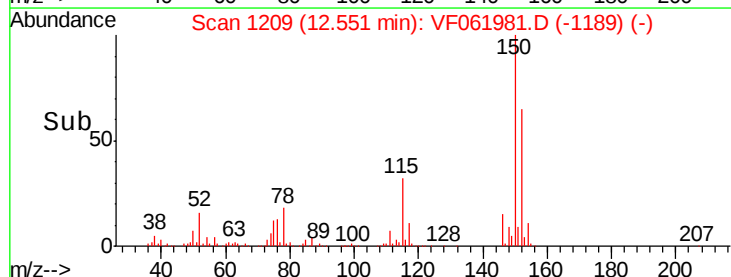
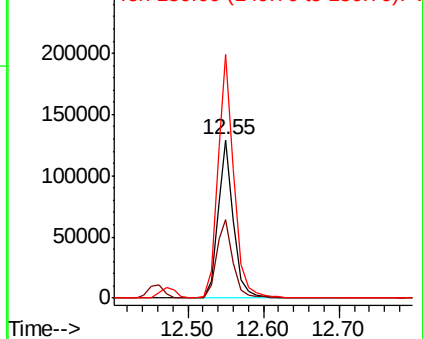
152 100

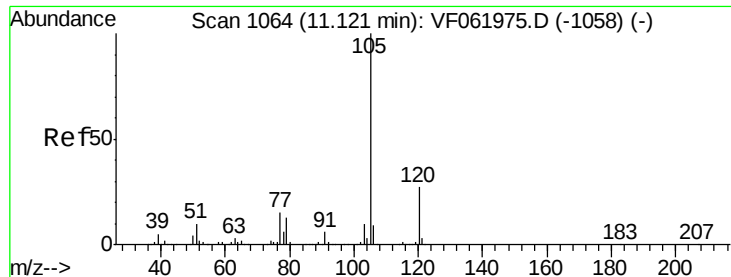
115 50.0 27.3 81.9

150 154.1 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: 21.647 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

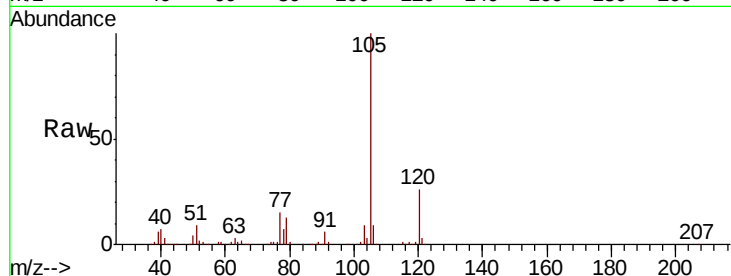
ClientSampleId :

Tot Ion:105 Resp: 277079

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

150000

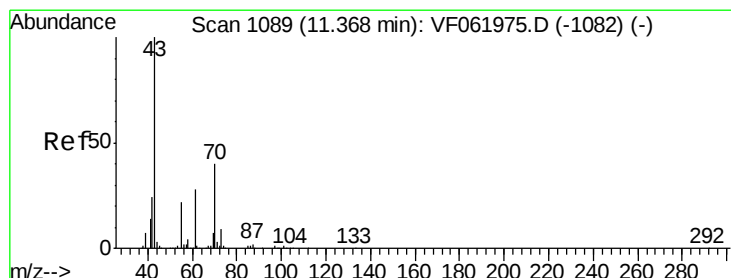
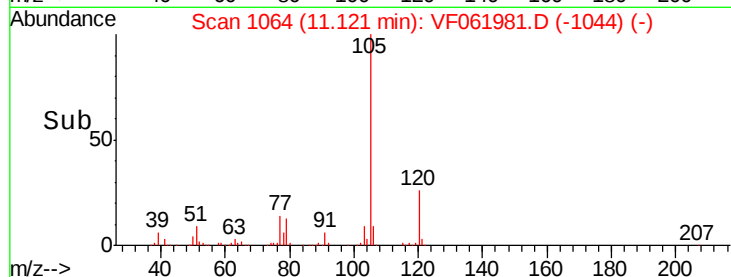
100000

50000

0

Time-->

11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 21.494 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Tgt Ion: 43 Resp: 63039

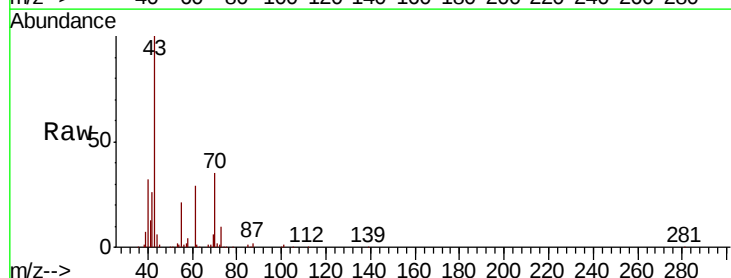
Ion Ratio Lower Upper

43 100

70 35.1 31.9 47.9

55 20.9 17.9 26.9

61 29.1 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

11.37

50000

40000

30000

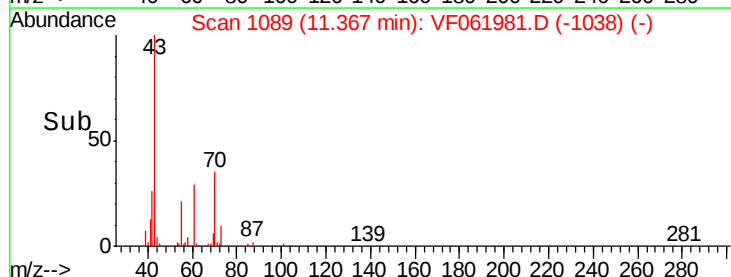
20000

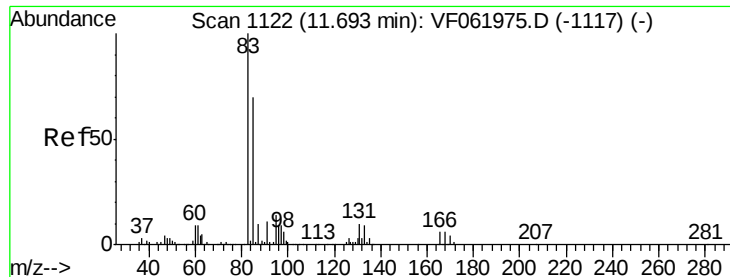
10000

0

Time-->

11.20 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 21.547 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

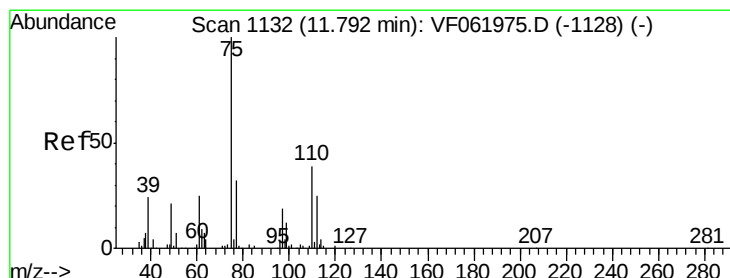
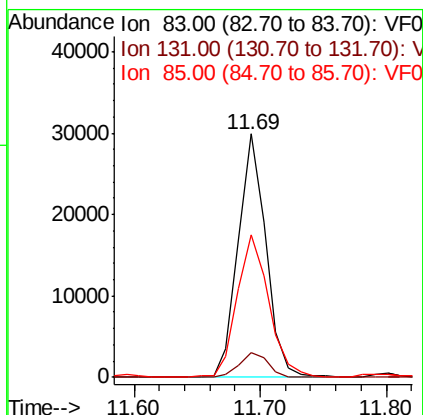
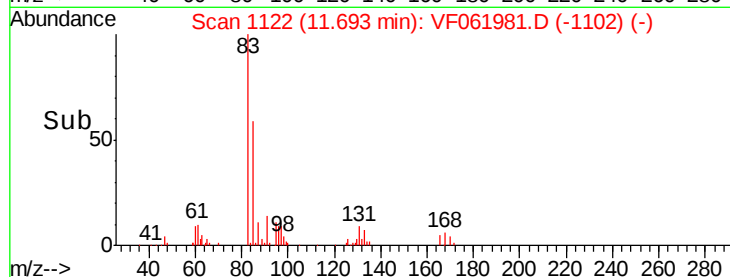
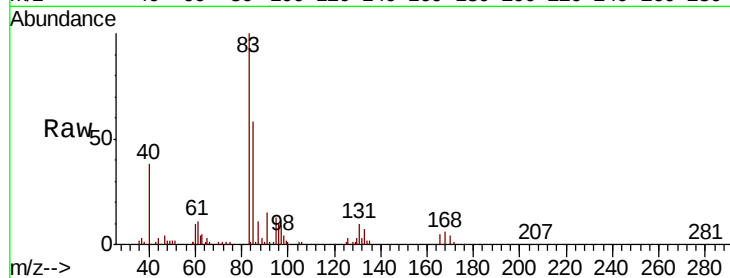
Tot Ion: 83 Resp: 45523

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

85 58.4 35.3 105.9



#76

1,2,3-Trichloropropane

Concen: 21.144 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061981.D

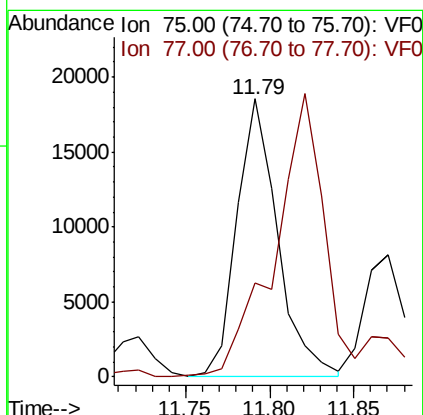
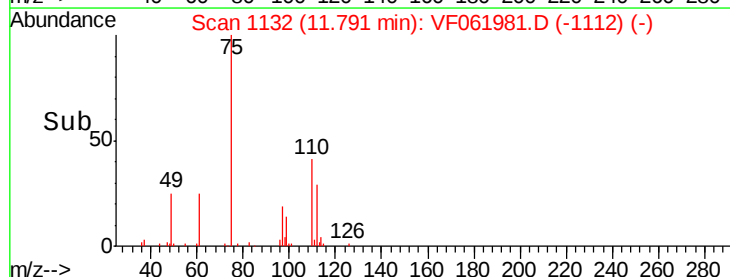
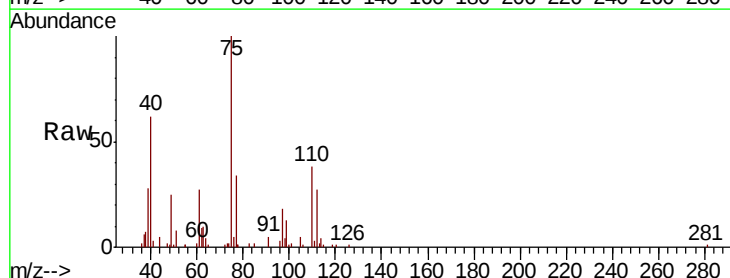
Acq: 16 Mar 2019 17:59

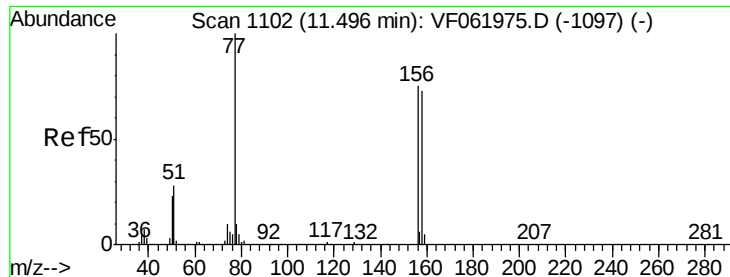
Tgt Ion: 75 Resp: 31237

Ion Ratio Lower Upper

75 100

77 35.2 16.4 49.2

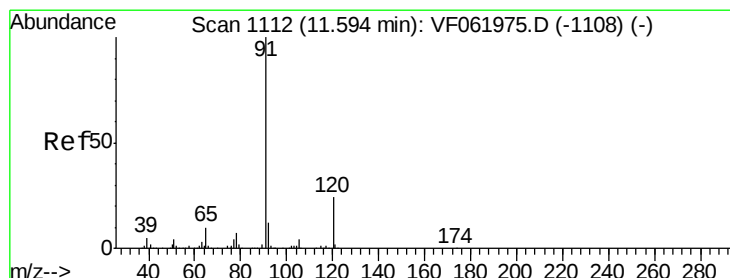
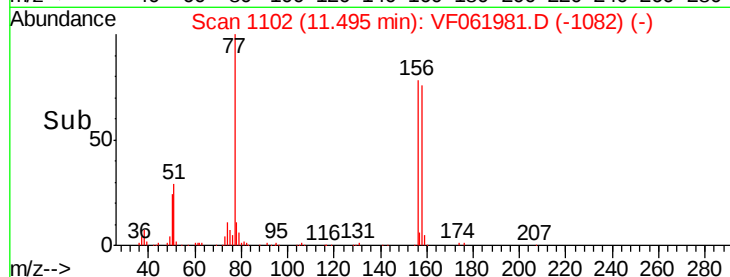
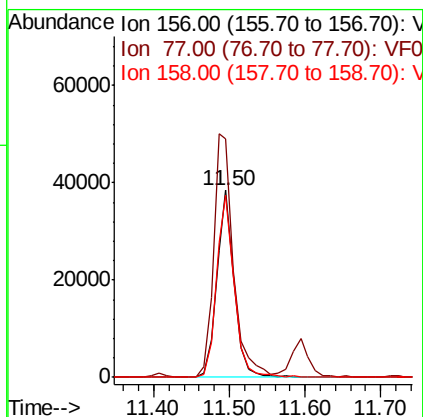
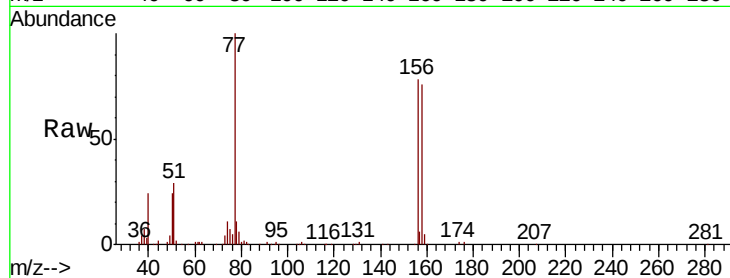




#77
Bromobenzene
Concen: 20.900 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

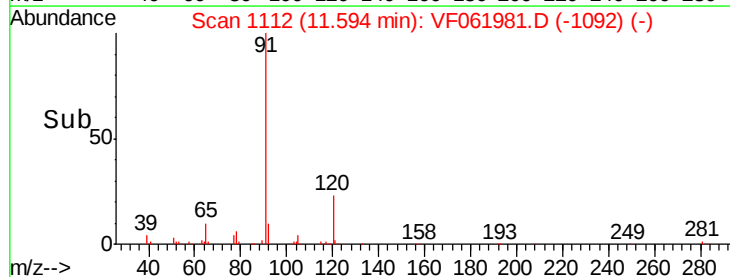
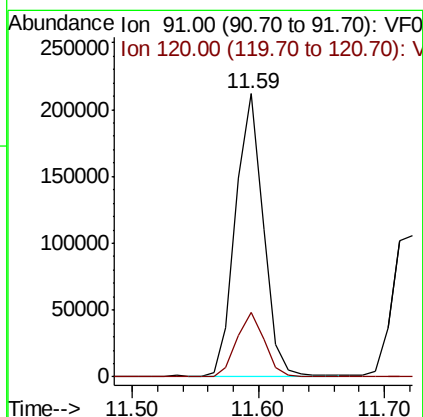
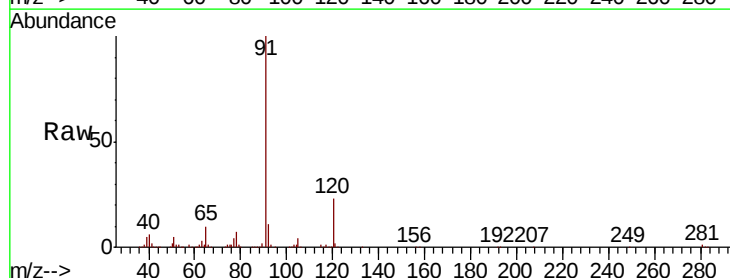
Instrument :
MSVOA_F
ClientSampleId :

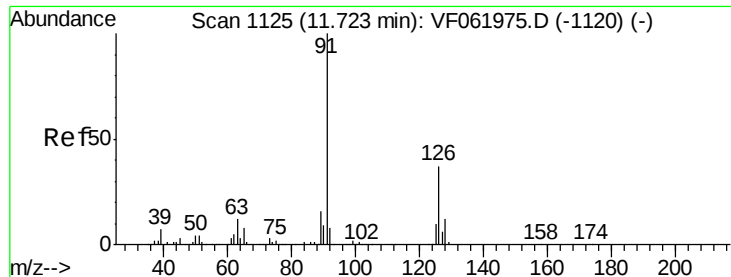
Tot Ion:156 Resp: 61952
Ion Ratio Lower Upper
156 100
77 127.9 67.0 201.0
158 97.4 48.9 146.7



#78
n-propylbenzene
Concen: 21.861 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 91 Resp: 321744
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.3





#79

2-Chlorotoluene

Concen: 21.463 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

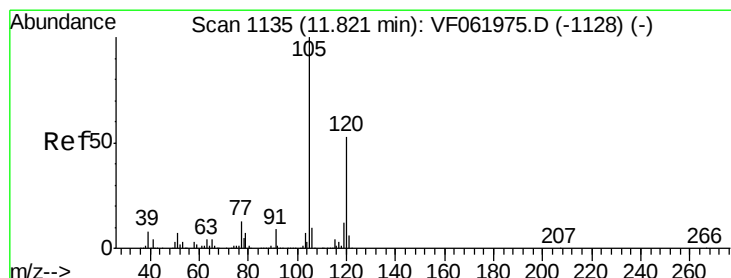
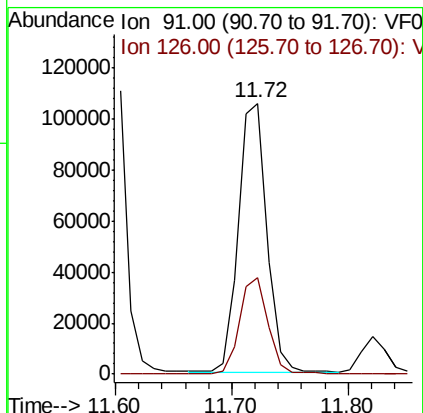
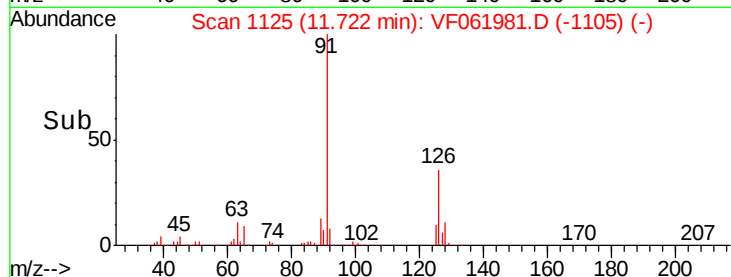
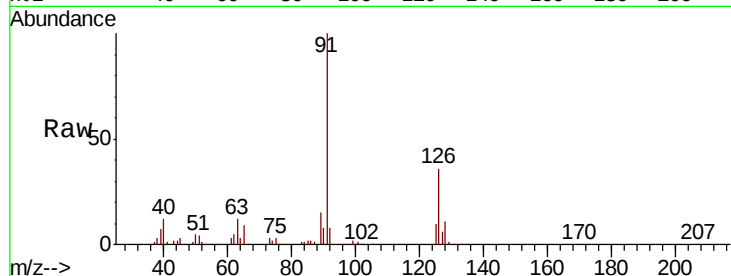
ClientSampleId :

Tot Ion: 91 Resp: 178305

Ion Ratio Lower Upper

91 100

126 35.8 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 22.230 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061981.D

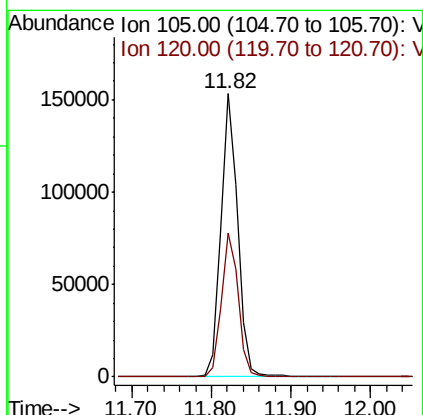
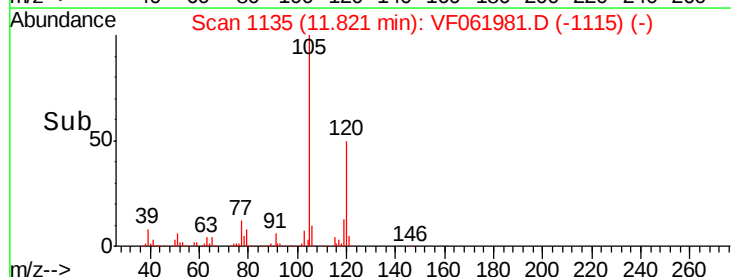
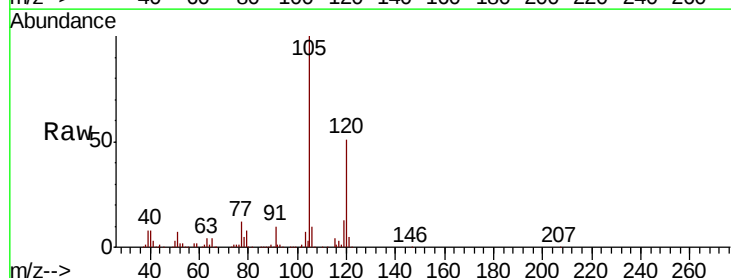
Acq: 16 Mar 2019 17:59

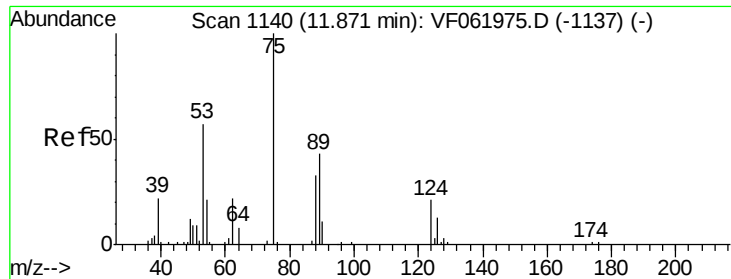
Tgt Ion: 105 Resp: 229849

Ion Ratio Lower Upper

105 100

120 51.0 26.6 79.7

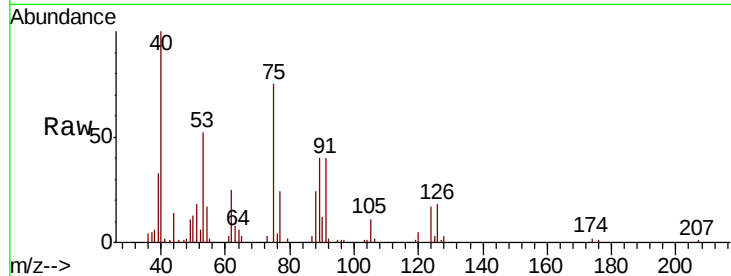




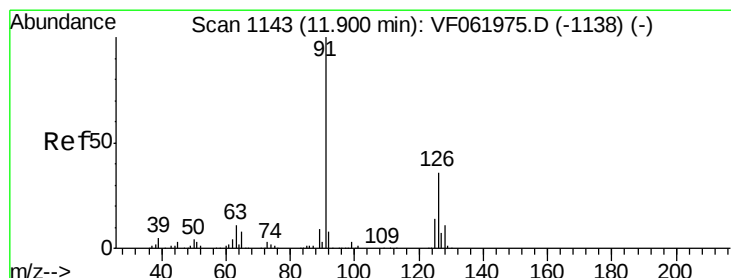
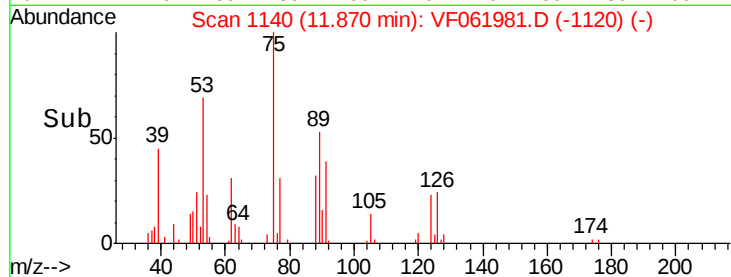
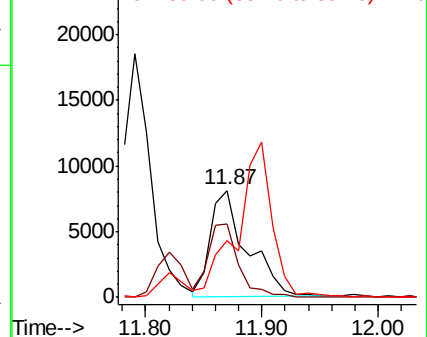
#81
trans-1,4-Dichloro-2-butene
Concen: 26.646 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 17415
Ion Ratio Lower Upper
75 100
53 69.3 49.0 73.6
89 53.3 37.1 55.7

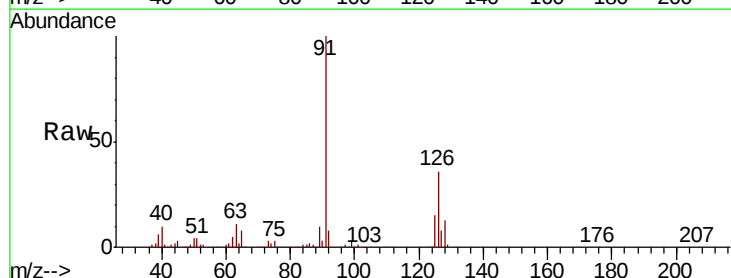


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

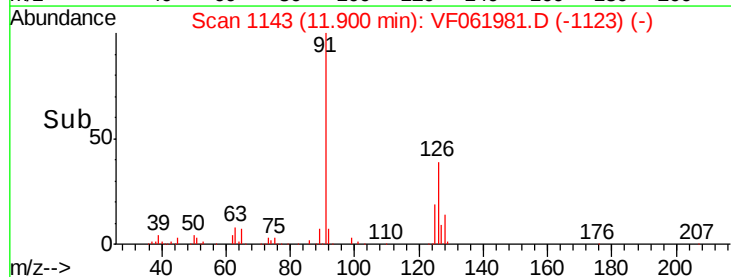
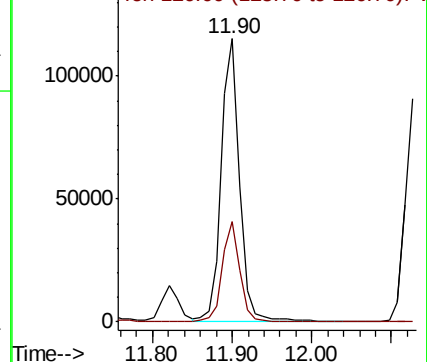


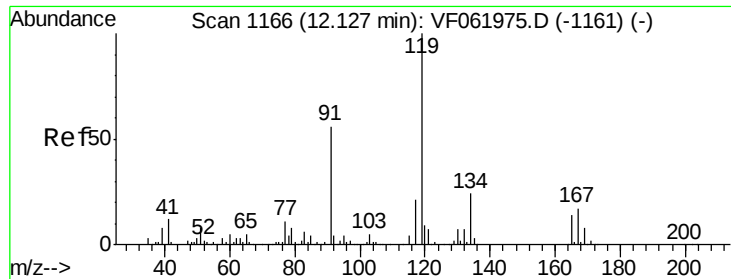
#82
4-Chlorotoluene
Concen: 22.096 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion: 91 Resp: 185631
Ion Ratio Lower Upper
91 100
126 35.6 18.1 54.1



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

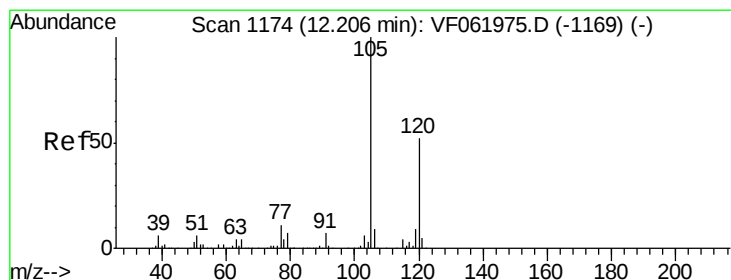
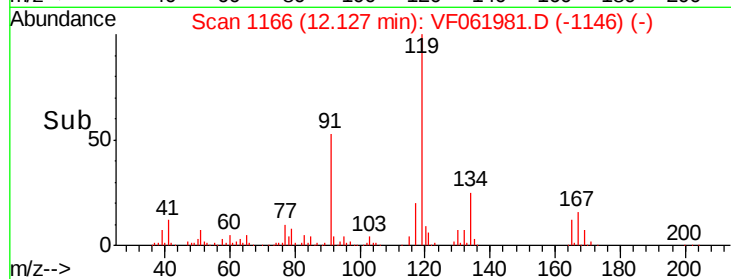
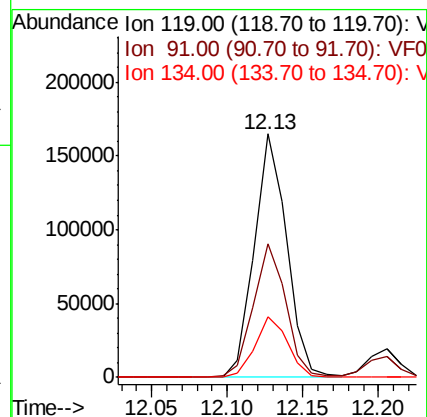
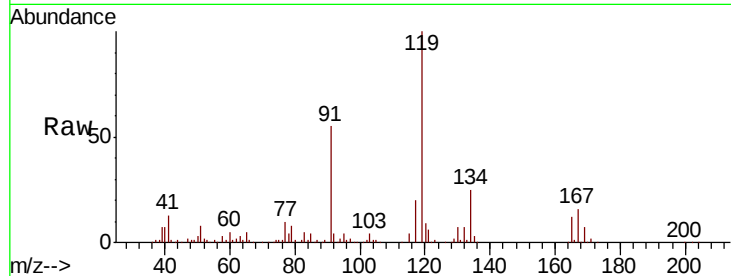




#83
 tert-Butylbenzene
 Concen: 22.923 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

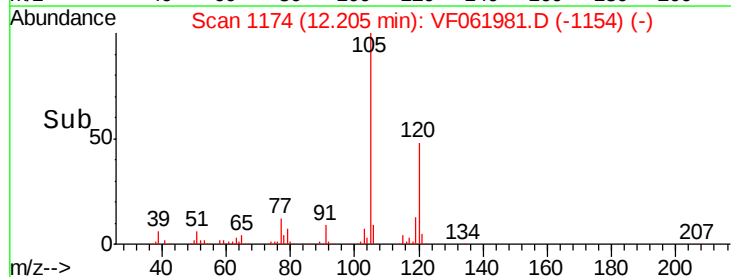
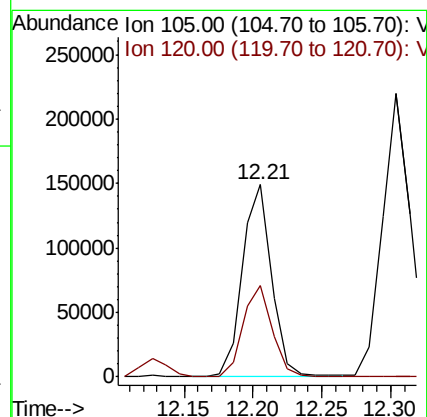
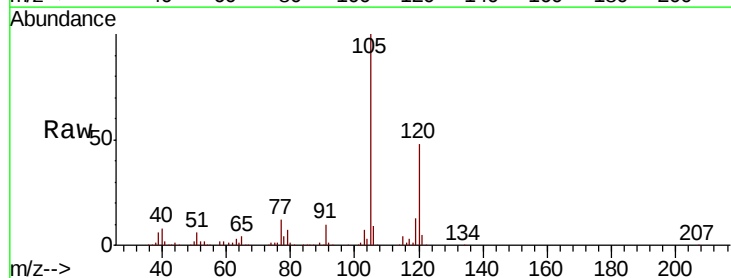
Instrument :
 MSVOA_F
 ClientSampleId :

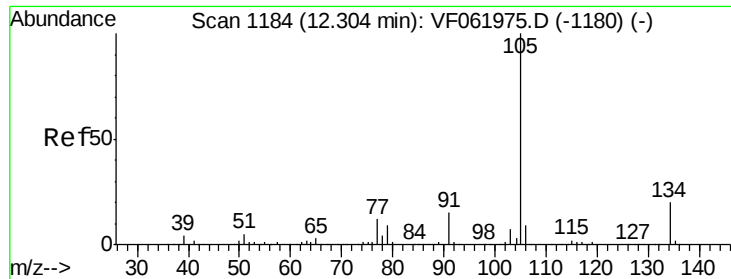
Tot Ion:119 Resp: 247866
 Ion Ratio Lower Upper
 119 100
 91 55.1 27.9 83.6
 134 25.0 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.373 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion:105 Resp: 221343
 Ion Ratio Lower Upper
 105 100
 120 47.8 25.9 77.8





#85

sec-Butylbenzene

Concen: 21.561 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

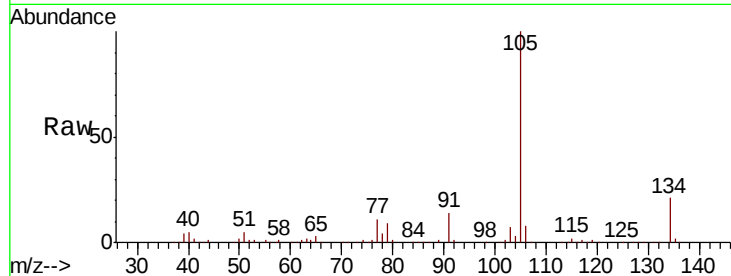
ClientSampleId :

Tot Ion:105 Resp: 314998

Ion Ratio Lower Upper

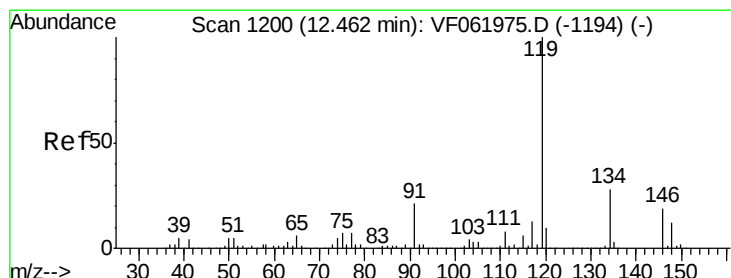
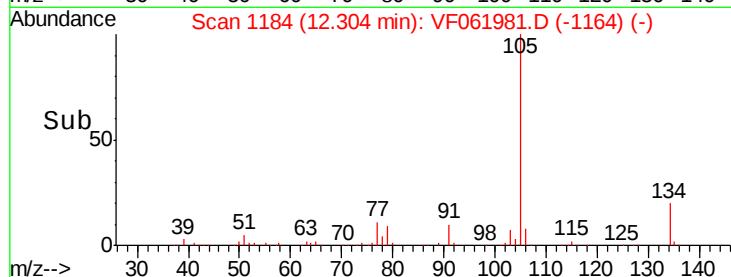
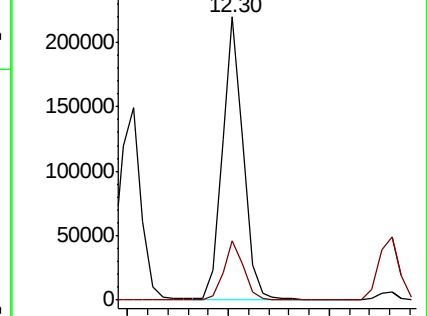
105 100

134 21.2 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: 21.833 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

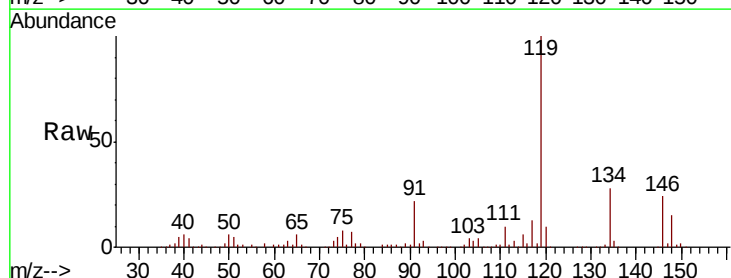
Tgt Ion:119 Resp: 266156

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

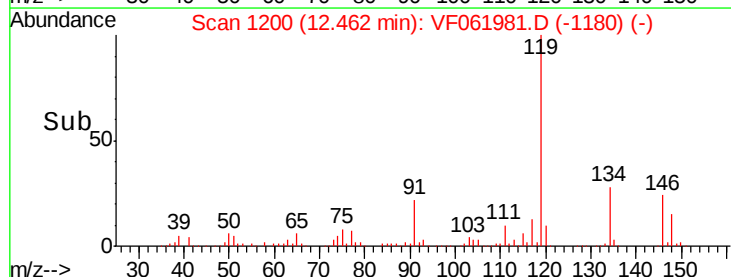
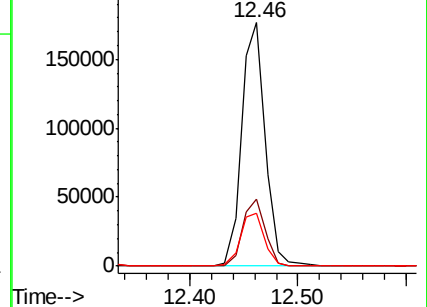
91 21.7 10.4 31.1

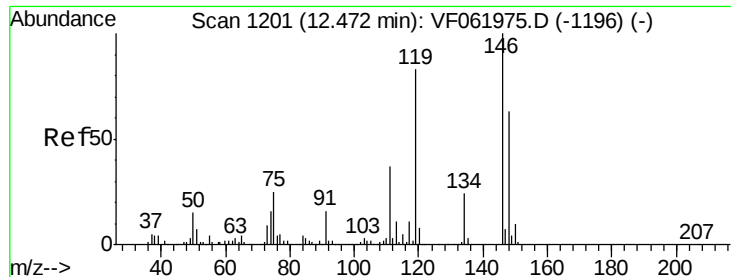


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

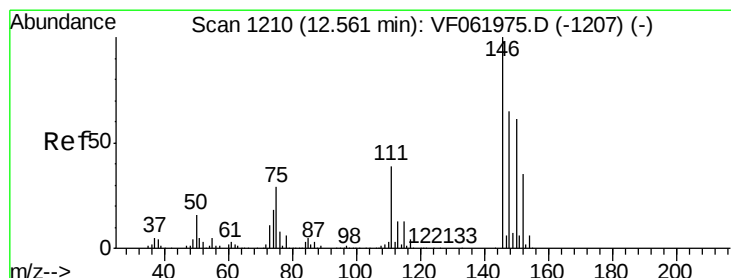
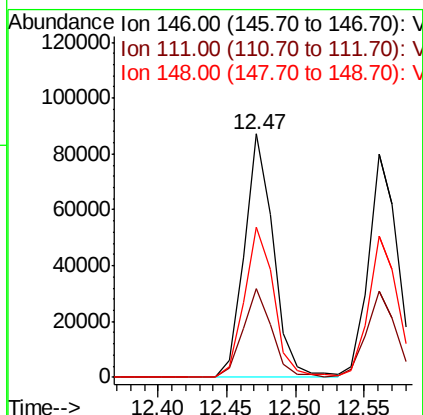
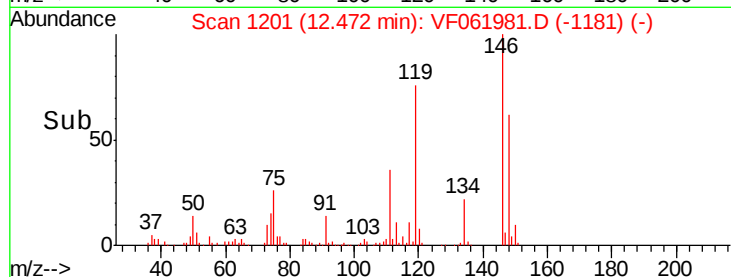
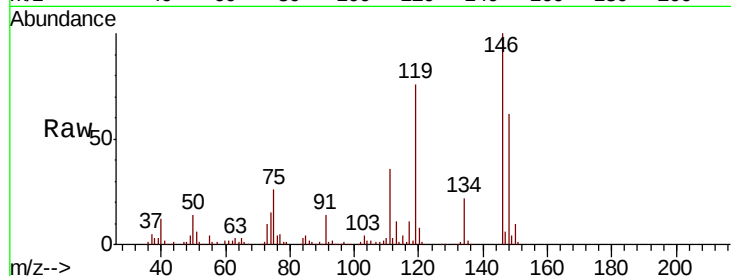




#87
 1,3-Dichlorobenzene
 Concen: 22.272 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

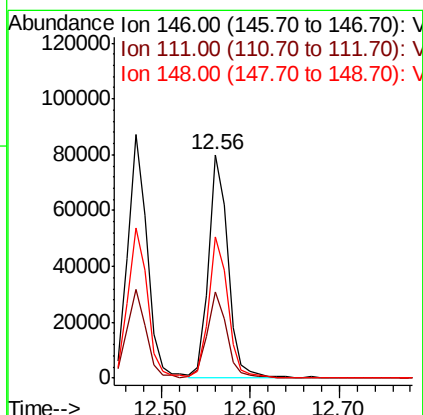
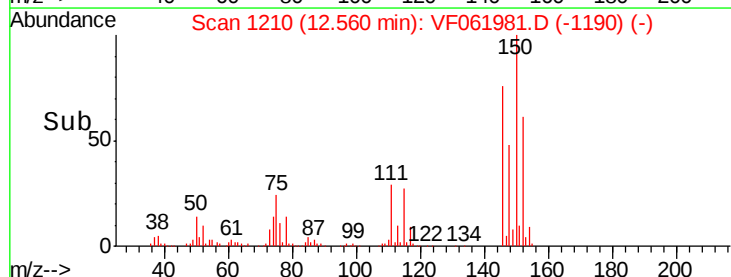
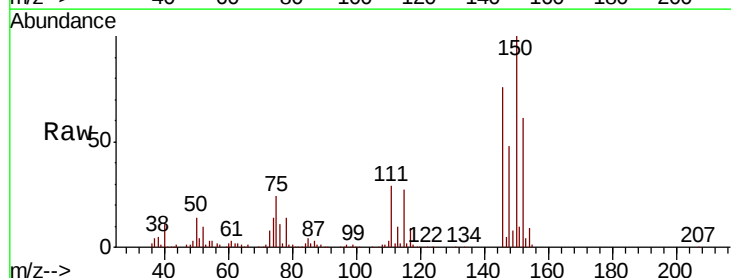
Instrument :
 MSVOA_F
 ClientSampleId :

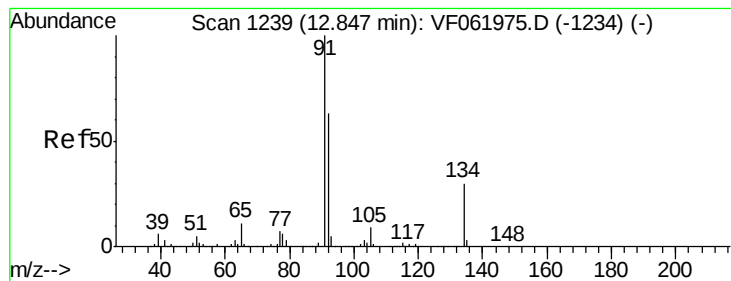
Tot Ion:146 Resp: 129751
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 55.8
 148 61.5 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 21.665 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061981.D
 Acq: 16 Mar 2019 17:59

Tgt Ion:146 Resp: 121486
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 63.1 32.4 97.0





#89

n-Butylbenzene

Concen: 22.510 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

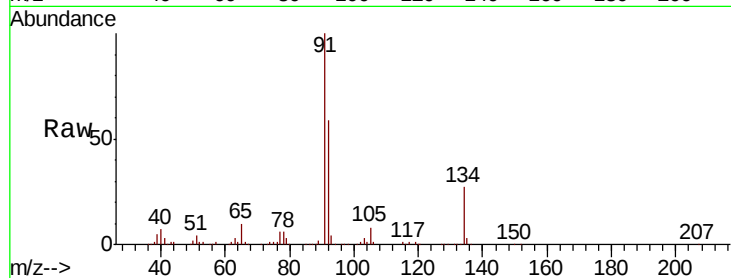
Tot Ion: 91 Resp: 257852

Ion Ratio Lower Upper

91 100

92 58.6 31.7 95.1

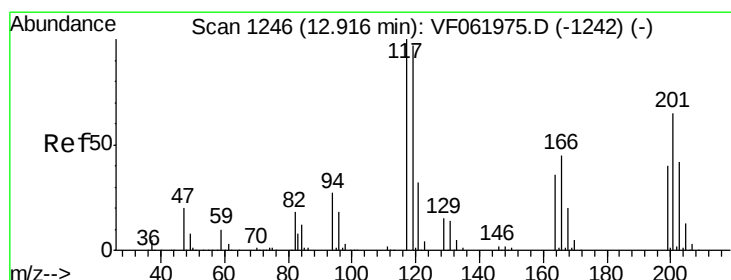
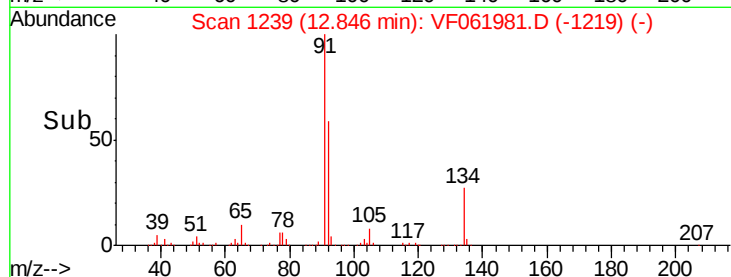
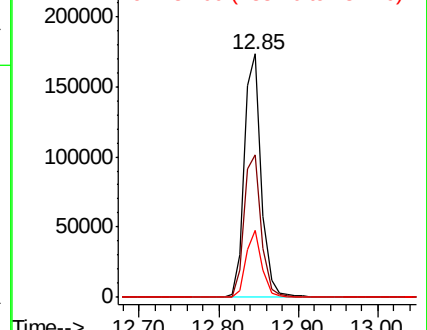
134 27.3 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.824 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF061981.D

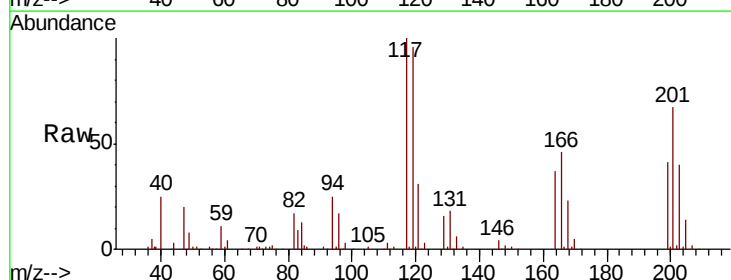
Acq: 16 Mar 2019 17:59

Tgt Ion: 117 Resp: 60715

Ion Ratio Lower Upper

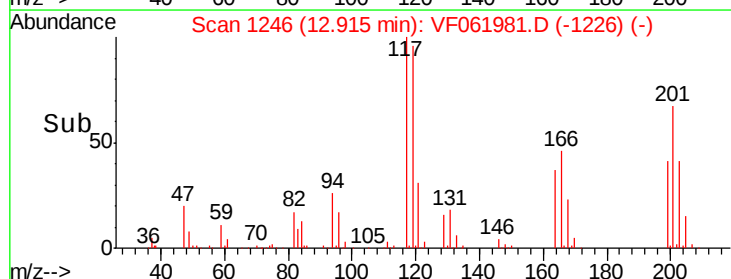
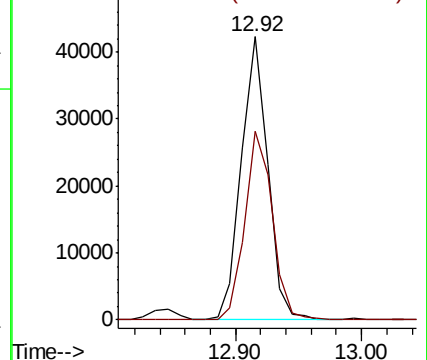
117 100

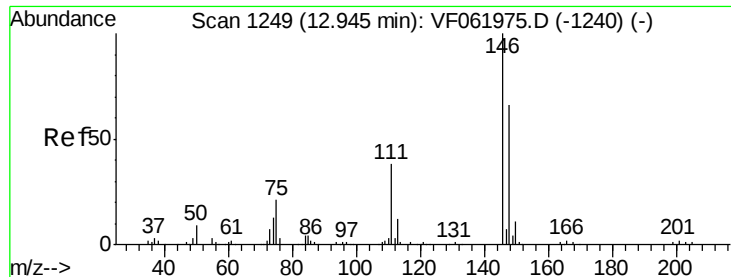
201 66.9 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.415 ug/l

RT: 12.94 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

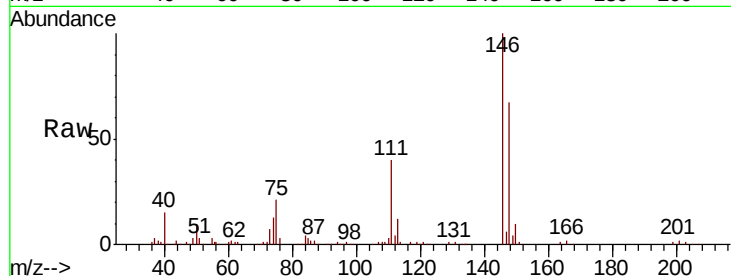
Tot Ion:146 Resp: 115550

Ion Ratio Lower Upper

146 100

111 39.8 18.9 56.5

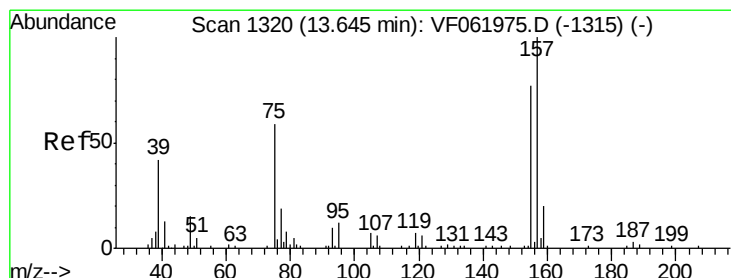
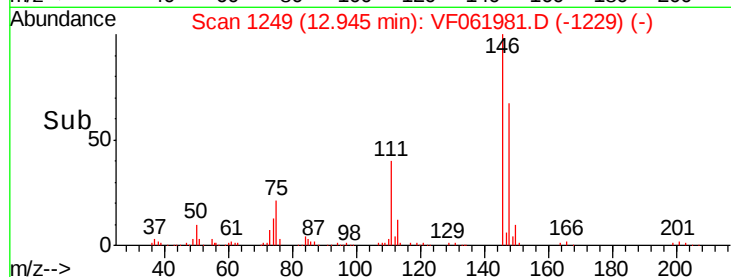
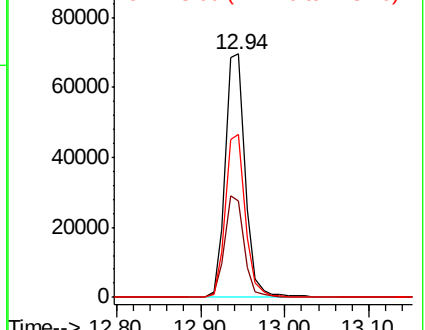
148 66.9 32.9 98.6



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: 17.638 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

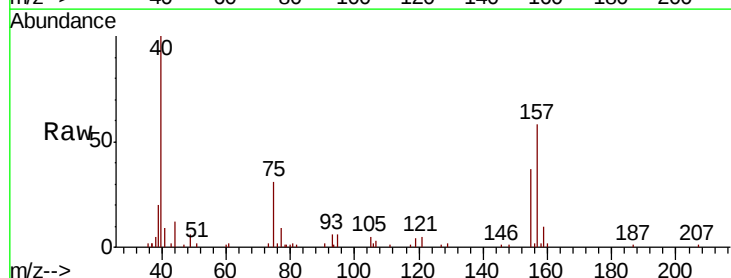
Tgt Ion: 75 Resp: 5980

Ion Ratio Lower Upper

75 100

155 119.9 65.0 195.1

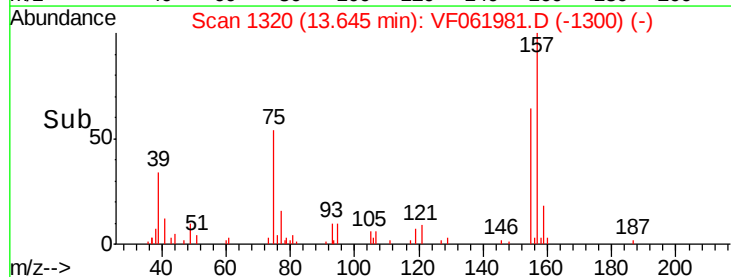
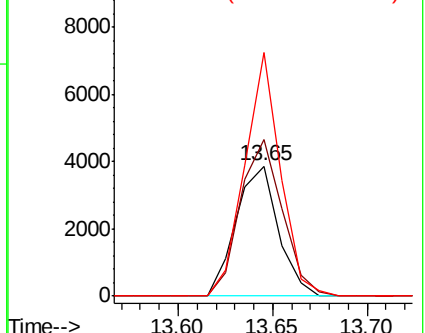
157 186.8 84.7 254.0

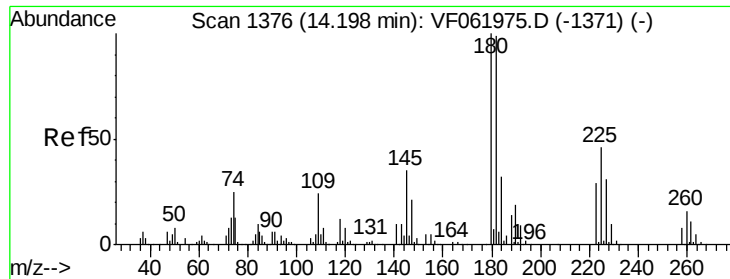


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 20.762 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

Instrument :

MSVOA_F

ClientSampleId :

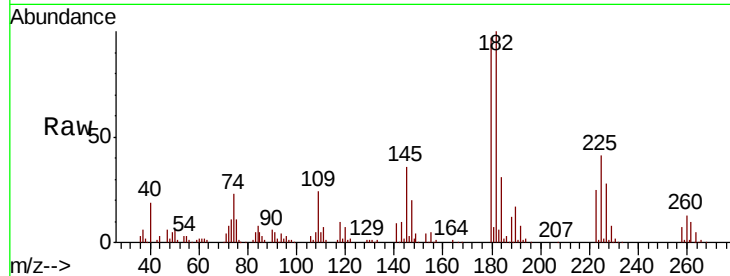
Tot Ion:180 Resp: 78011

Ion Ratio Lower Upper

180 100

182 102.6 49.6 149.0

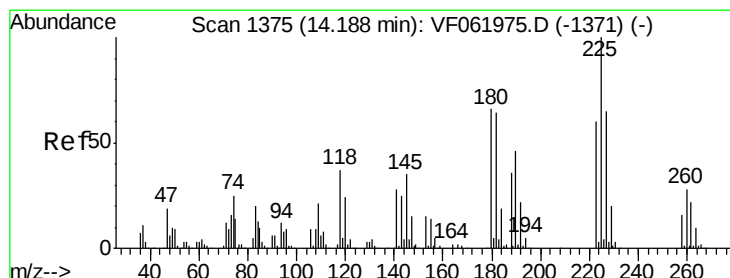
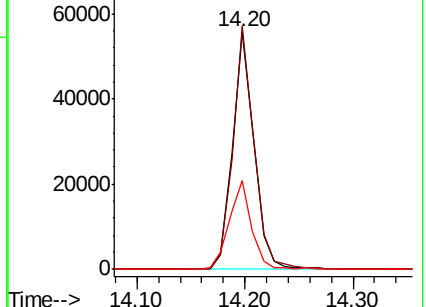
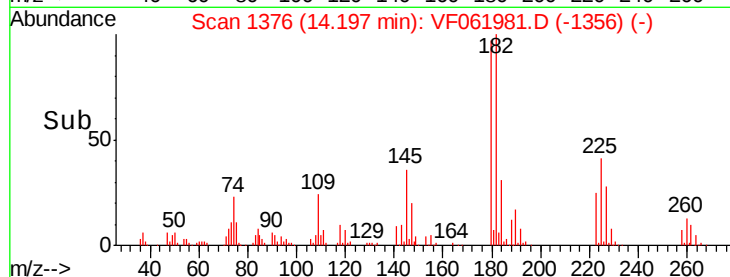
145 37.4 17.5 52.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 22.212 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VF061981.D

Acq: 16 Mar 2019 17:59

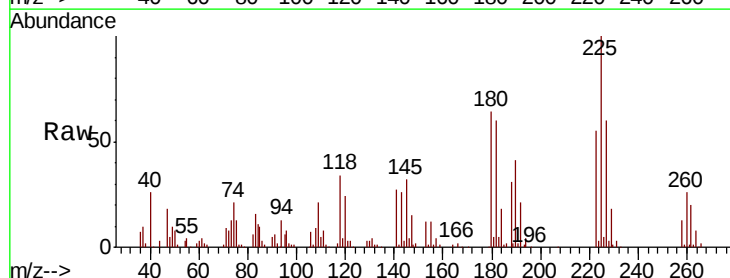
Tgt Ion:225 Resp: 55408

Ion Ratio Lower Upper

225 100

223 54.8 29.9 89.7

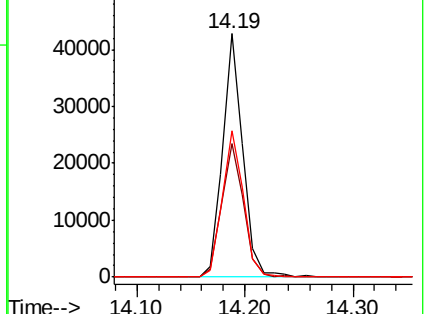
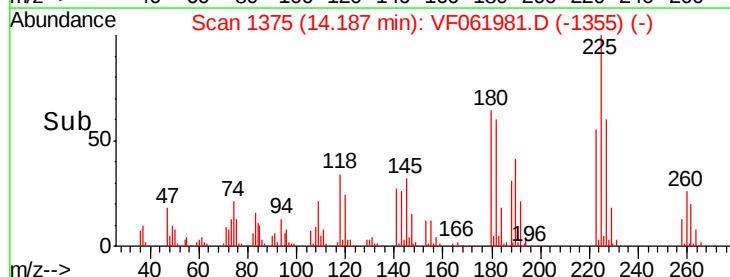
227 59.9 32.4 97.2

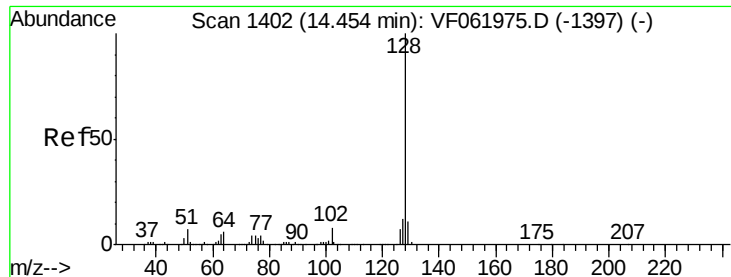


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

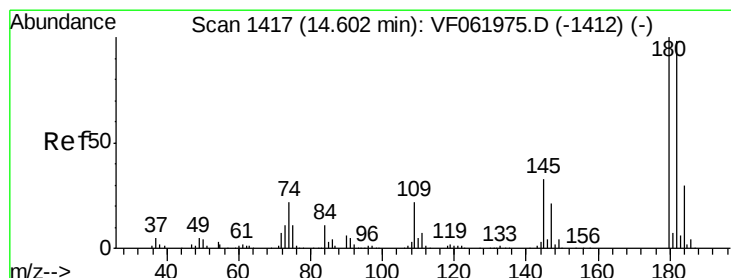
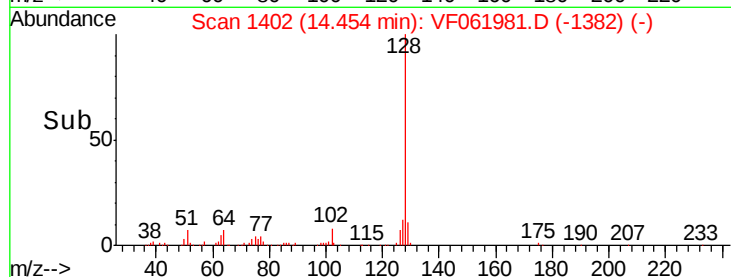
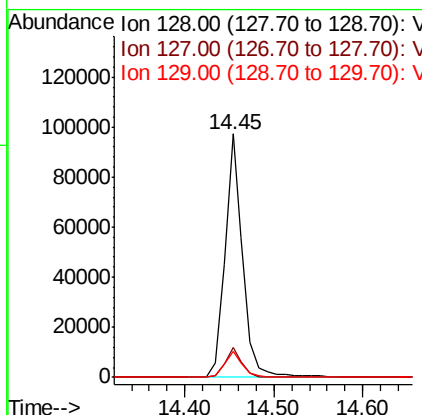
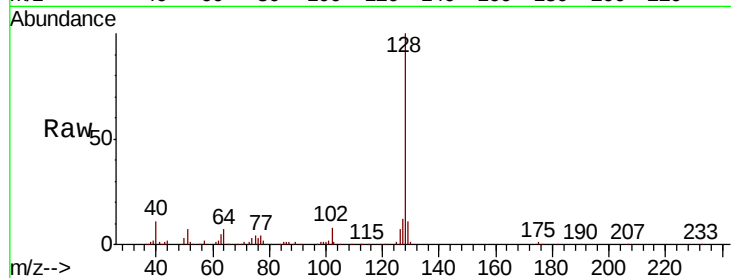




#95
Naphthalene
Concen: 20.102 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 135849
Ion Ratio Lower Upper
128 100
127 12.3 9.3 13.9
129 10.9 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 20.855 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061981.D
Acq: 16 Mar 2019 17:59

Tgt Ion:180 Resp: 72092
Ion Ratio Lower Upper
180 100
182 92.6 48.9 146.8
145 31.2 16.7 50.1

