

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061974.D
 Acq On : 16 Mar 2019 11:39
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 18 06:06:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 06:02:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	272596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	417477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	348559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	188827	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	40940	20.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	41.74%	
35) Dibromofluoromethane	4.12	113	58814	20.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	41.96%	
50) Toluene-d8	7.55	98	173773	21.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.40%	
62) 4-Bromofluorobenzene	11.42	95	68502	21.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	66643	22.941	ug/l	84
3) Chloromethane	1.09	50	66620	22.567	ug/l #	84
4) Vinyl Chloride	1.14	62	64610	22.630	ug/l	98
5) Bromomethane	1.31	94	43097	21.488	ug/l #	79
6) Chloroethane	1.38	64	33972	23.049	ug/l	96
7) Trichlorofluoromethane	1.48	101	84426	22.224	ug/l	88
8) Diethyl Ether	1.63	74	17076	20.307	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.82	101	58248	21.856	ug/l	98
10) Methyl Iodide	1.90	142	79064	17.719	ug/l	99
11) Tert butyl alcohol	2.57	59	12026	100.188	ug/l #	78
12) 1,1-Dichloroethene	1.79	96	49477	21.513	ug/l	92
13) Acrolein	2.00	56	14567	117.608	ug/l	96
14) Allyl chloride	2.10	41	72246	24.608	ug/l	92
15) Acrylonitrile	2.95	53	37188	101.881	ug/l	97
16) Acetone	2.25	43	46336	105.192	ug/l	94
17) Carbon Disulfide	1.82	76	151854	22.758	ug/l #	95
18) Methyl Acetate	2.43	43	21438	21.486	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	89593	21.498	ug/l	94
20) Methylene Chloride	2.18	84	20235	9.010	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	52280	21.734	ug/l	96
22) Diisopropyl ether	2.80	45	158245	22.396	ug/l #	91
23) Vinyl Acetate	3.19	43	310783	111.637	ug/l	97
24) 1,1-Dichloroethane	2.88	63	91196	22.210	ug/l	99
25) 2-Butanone	4.34	43	89238	102.294	ug/l	95
26) 2,2-Dichloropropane	3.60	77	42852	22.125	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	68023	22.480	ug/l	96
28) Bromochloromethane	3.72	49	32442	19.041	ug/l	91
29) Tetrahydrofuran	4.08	42	41983	110.660	ug/l	94
30) Chloroform	3.86	83	108635	23.350	ug/l	94
31) Cyclohexane	3.70	56	91939	22.978	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	77397	25.160	ug/l	96
36) 1,1-Dichloropropene	4.28	75	83269	22.087	ug/l	99
37) Ethyl Acetate	4.12	43	37995	22.445	ug/l	92
38) Carbon Tetrachloride	3.98	117	63677	23.111	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	98235	22.195	ug/l	99
40) Benzene	4.63	78	231113	23.133	ug/l	98
41) Methacrylonitrile	4.75	41	17127	18.937	ug/l #	89
42) 1,2-Dichloroethane	4.95	62	53363	21.458	ug/l	97
43) Isopropyl Acetate	6.96	43	40930	20.436	ug/l #	97
44) Trichloroethene	5.50	130	67561	22.077	ug/l	97
45) 1,2-Dichloropropane	6.24	63	54821	23.189	ug/l	98
46) Dibromomethane	6.08	93	31912	22.691	ug/l	85
47) Bromodichloromethane	6.39	83	69718	21.027	ug/l	99
48) Methyl methacrylate	6.71	41	25632	19.802	ug/l #	85
49) 1,4-Dioxane	6.72	88	4759	413.330	ug/l #	74
51) 4-Methyl-2-Pentanone	8.26	43	154246	108.454	ug/l	98
52) Toluene	7.63	92	137907	22.594	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	62376	22.284	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	80538	22.051	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	36733	21.563	ug/l	98
56) Ethyl methacrylate	8.63	69	42883	22.144	ug/l	89
57) 1,3-Dichloropropane	8.85	76	63002	22.171	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.29	63	34453	98.225	ug/l	96
59) 2-Hexanone	9.49	43	104472	102.036	ug/l	96
60) Dibromochloromethane	8.71	129	50316	21.276	ug/l	91
61) 1,2-Dibromoethane	8.99	107	39570	21.655	ug/l	97
64) Tetrachloroethene	8.15	164	56171	22.170	ug/l	95
65) Chlorobenzene	9.80	112	147824	22.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	59314	23.580	ug/l	97
67) Ethyl Benzene	9.90	91	259152	23.320	ug/l	98
68) m/p-Xylenes	10.13	106	200748	48.036	ug/l	94
69) o-Xylene	10.72	106	99668	22.288	ug/l	90
70) Styrene	10.80	104	145496	23.485	ug/l	98
71) Bromoform	10.78	173	26636	20.934	ug/l	88
73) Isopropylbenzene	11.12	105	303833	23.291	ug/l	97
74) N-amyl acetate	11.38	43	63877	21.370	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	46748	21.710	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	32072	21.300	ug/l	95
77) Bromobenzene	11.50	156	68543	22.688	ug/l	93
78) n-propylbenzene	11.59	91	353825	23.588	ug/l	96
79) 2-Chlorotoluene	11.72	91	187337	22.126	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	241278	22.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	20115	23.718	ug/l	96
82) 4-Chlorotoluene	11.90	91	193469	22.596	ug/l	98
83) tert-Butylbenzene	12.13	119	260109	23.602	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	238490	22.595	ug/l	96
85) sec-Butylbenzene	12.30	105	338390	22.726	ug/l	100
86) p-Isopropyltoluene	12.46	119	283163	22.791	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	135098	22.753	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	128560	22.495	ug/l	95
89) n-Butylbenzene	12.85	91	273116	23.393	ug/l	96
90) Hexachloroethane	12.92	117	65274	23.021	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	124761	22.687	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7138	20.658	ug/l	82

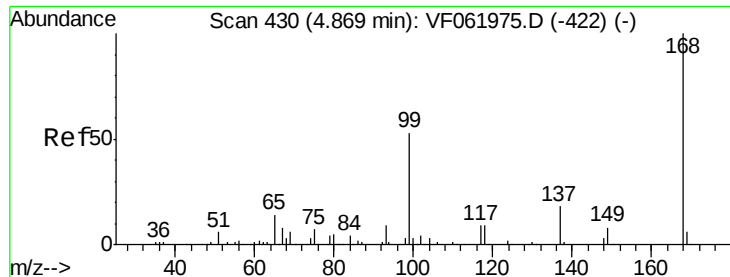
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	86982	22.713	ug/l	96
94) Hexachlorobutadiene	14.19	225	55963	22.013	ug/l	96
95) Naphthalene	14.45	128	143578	20.846	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	79225	22.487	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

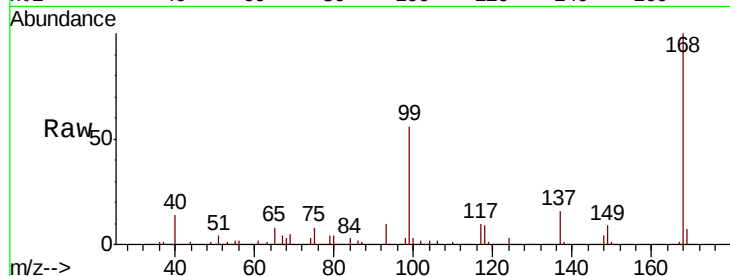
VSTDIC020

Tgt Ion:168 Resp: 272596

Ion Ratio Lower Upper

168 100

99 55.8 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

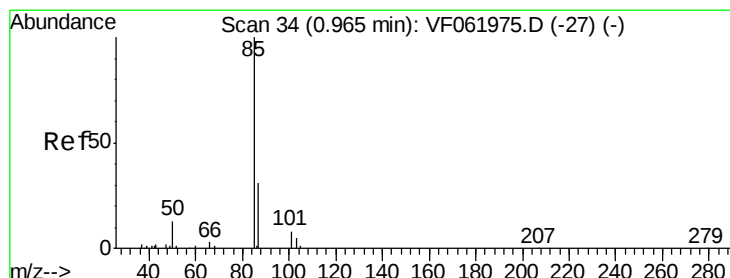
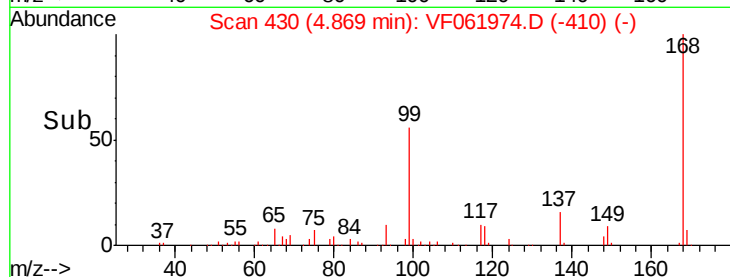
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 22.941 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061974.D

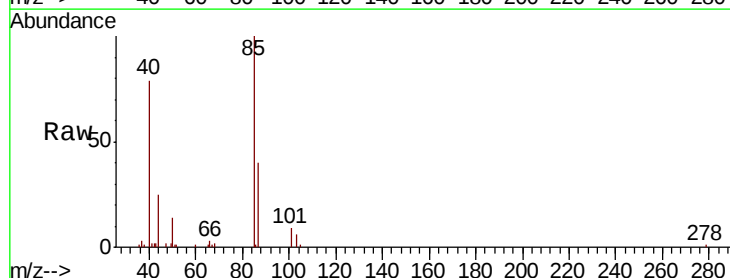
Acq: 16 Mar 2019 11:39

Tgt Ion: 85 Resp: 66643

Ion Ratio Lower Upper

85 100

87 39.7 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

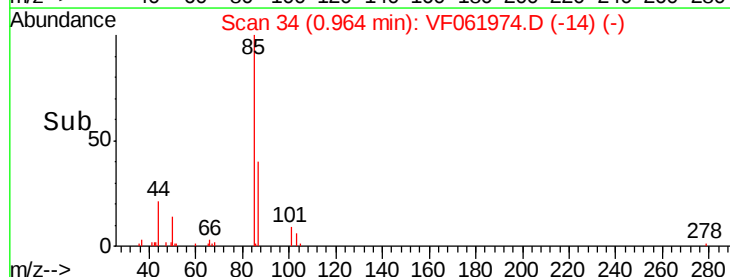
15000

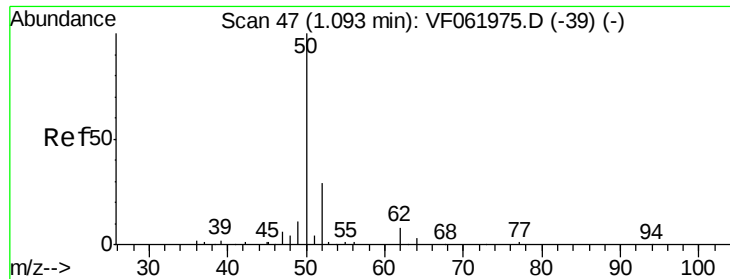
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 22.567 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

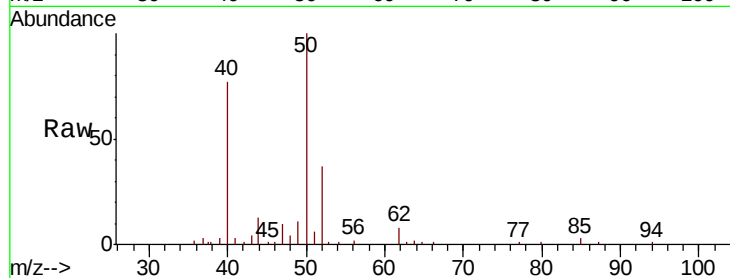
VSTDIC020

Tgt Ion: 50 Resp: 66620

Ion Ratio Lower Upper

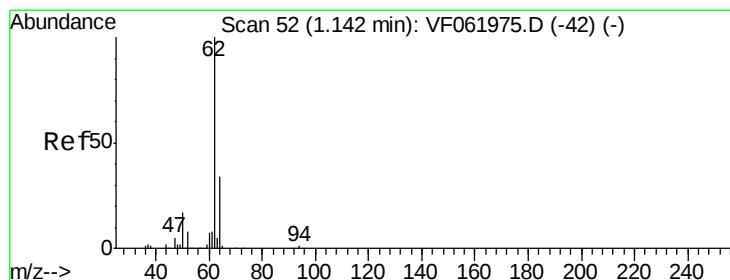
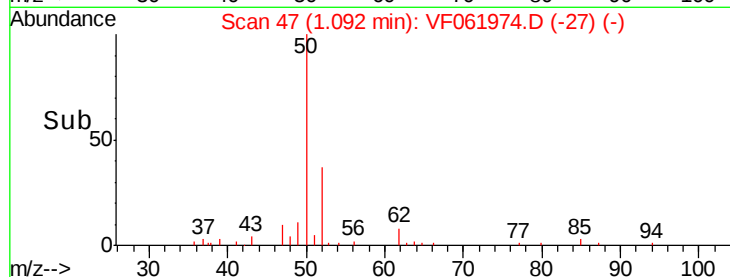
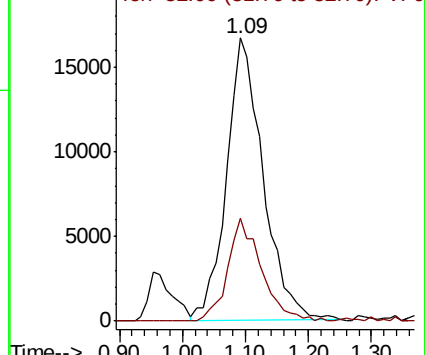
50 100

52 36.5 22.6 34.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.630 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061974.D

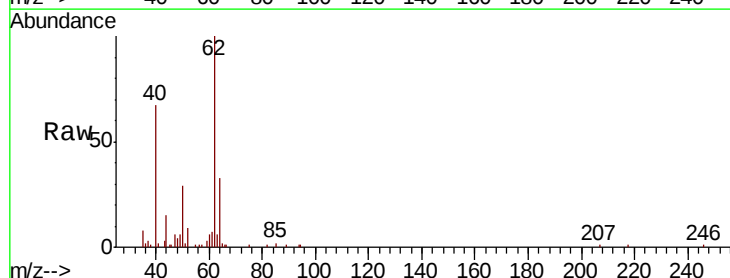
Acq: 16 Mar 2019 11:39

Tgt Ion: 62 Resp: 64610

Ion Ratio Lower Upper

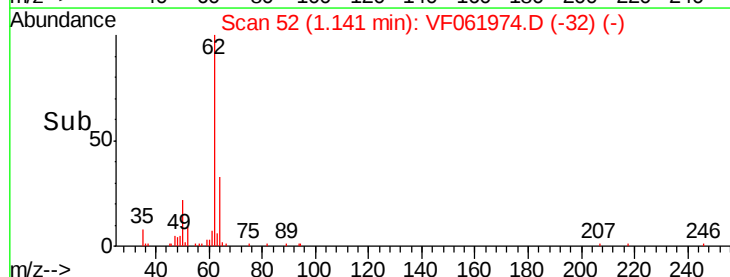
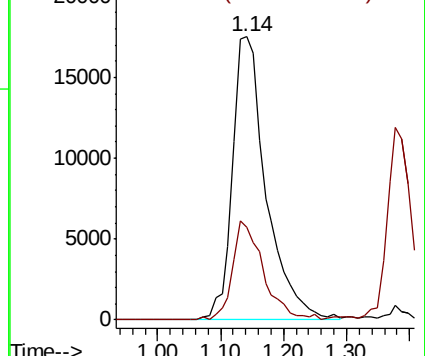
62 100

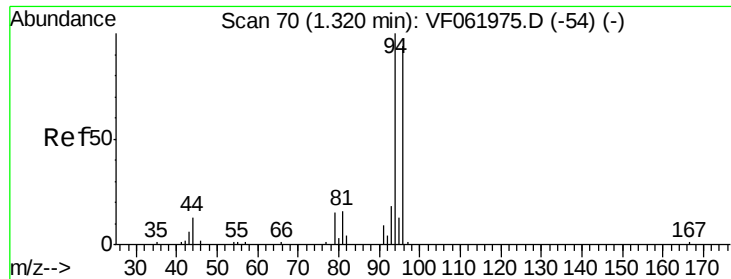
64 32.9 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.488 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

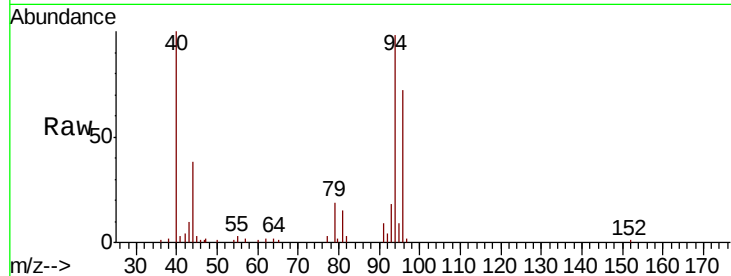
VSTDIC020

Tgt Ion: 94 Resp: 43097

Ion Ratio Lower Upper

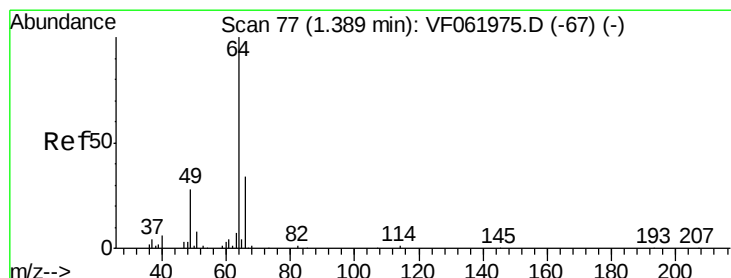
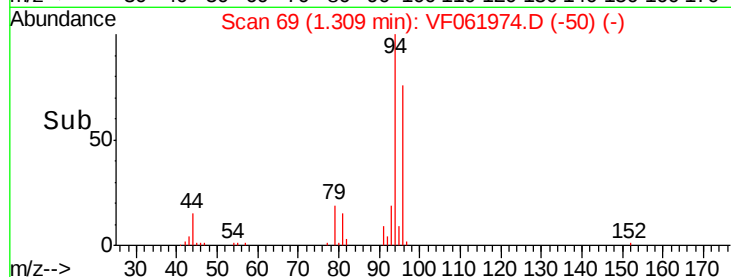
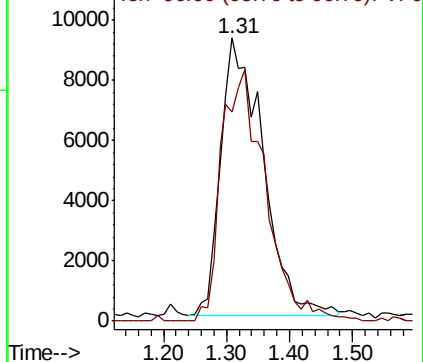
94 100

96 73.7 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: 23.049 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061974.D

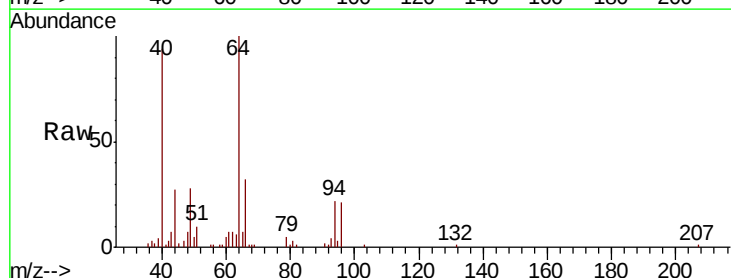
Acq: 16 Mar 2019 11:39

Tgt Ion: 64 Resp: 33972

Ion Ratio Lower Upper

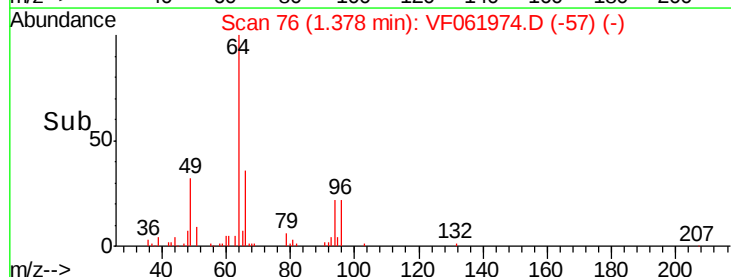
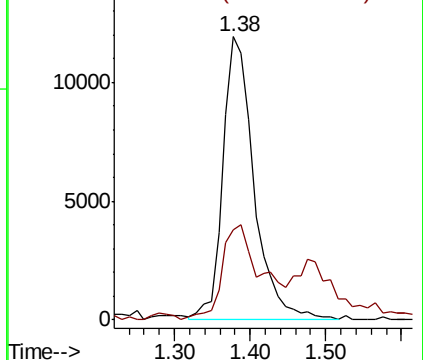
64 100

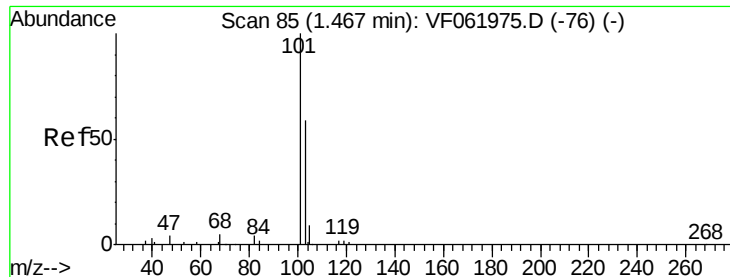
66 32.0 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 22.224 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

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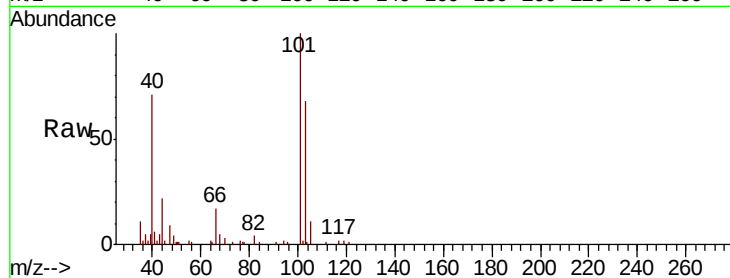
VSTDIC020

Tgt Ion:101 Resp: 84426

Ion Ratio Lower Upper

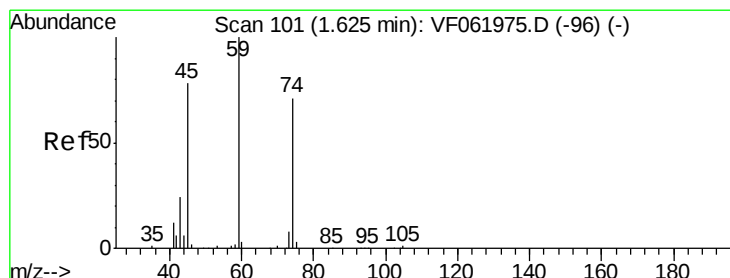
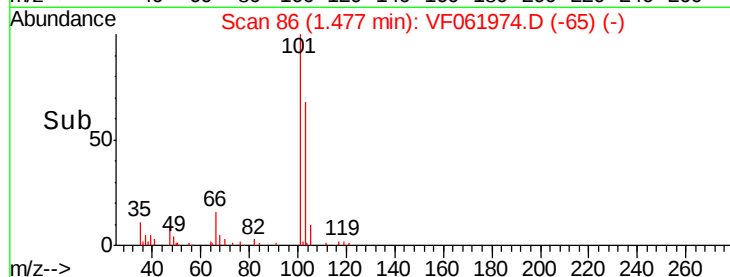
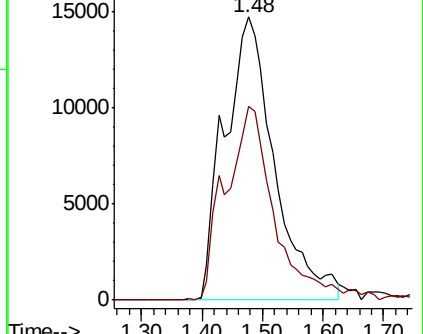
101 100

103 68.3 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.307 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061974.D

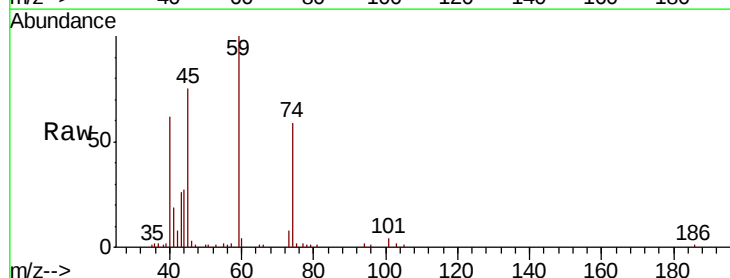
Acq: 16 Mar 2019 11:39

Tgt Ion: 74 Resp: 17076

Ion Ratio Lower Upper

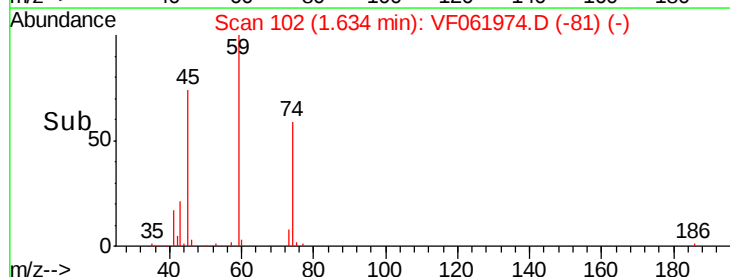
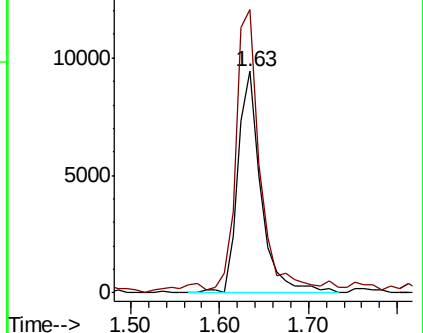
74 100

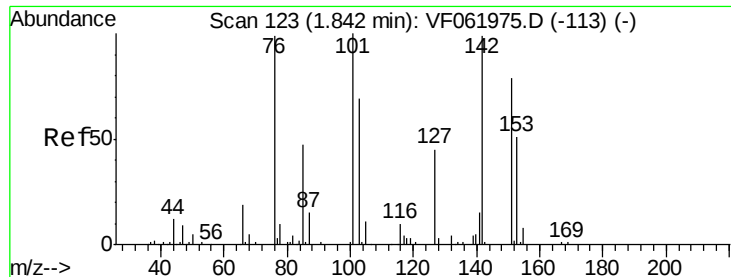
45 127.8 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.856 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061974.D

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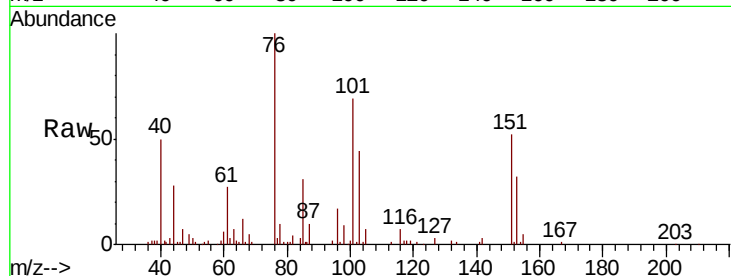
Tgt Ion:101 Resp: 58248

Ion Ratio Lower Upper

101 100

85 45.3 36.8 55.2

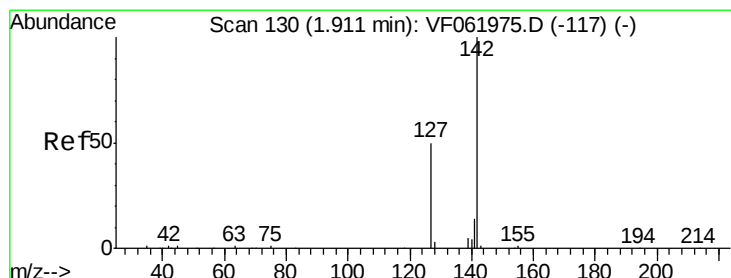
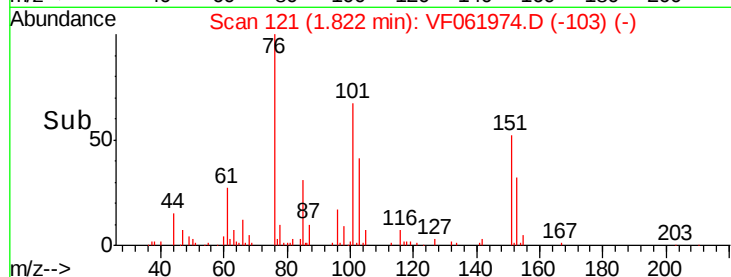
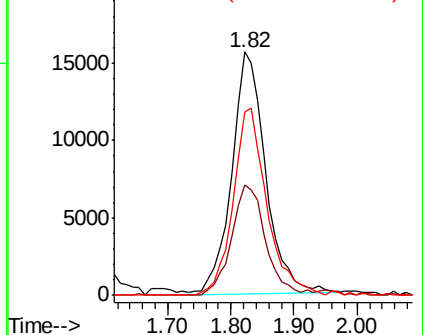
151 75.3 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.719 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

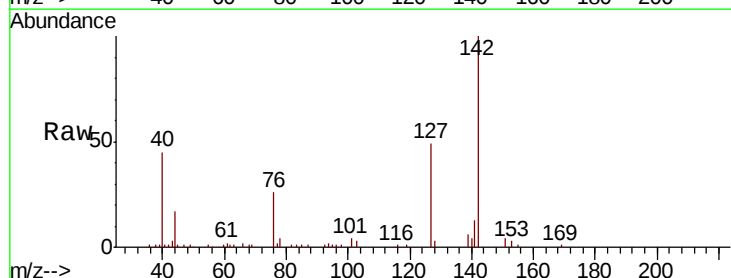
Tgt Ion:142 Resp: 79064

Ion Ratio Lower Upper

142 100

127 48.7 39.7 59.5

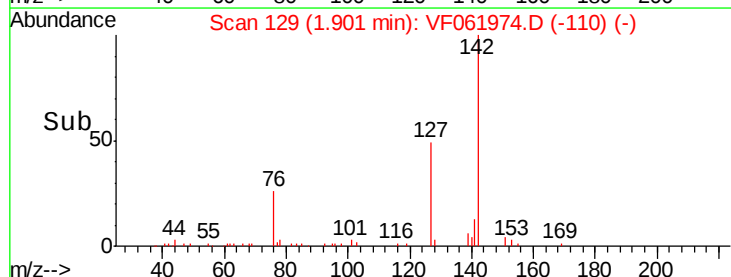
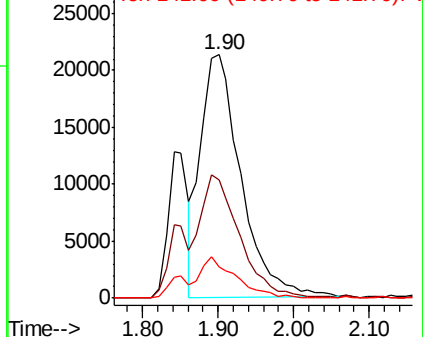
141 12.7 10.8 16.2

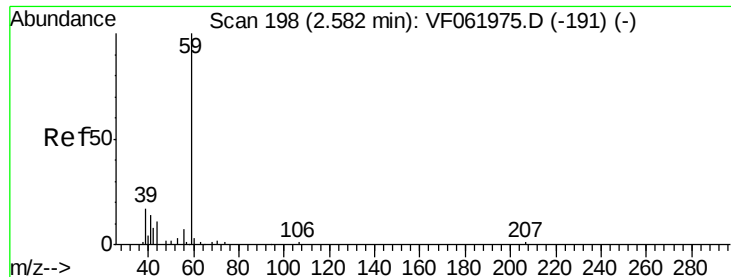


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



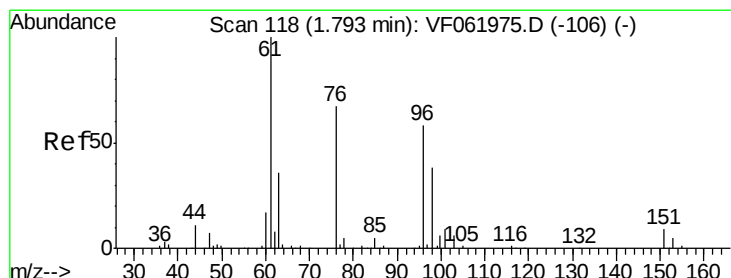
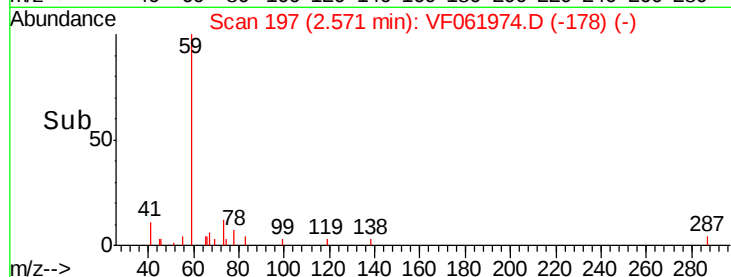
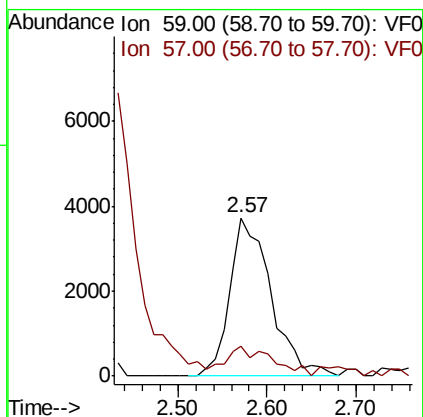
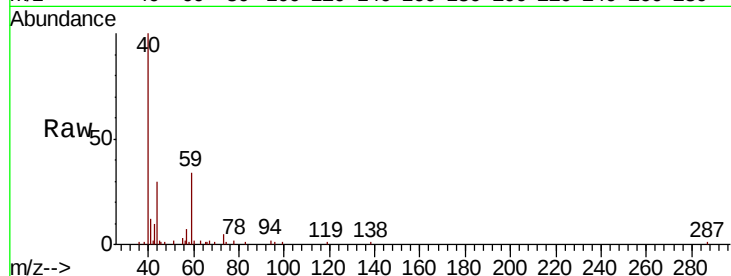


#11

Tert butyl alcohol
Concen: 100.188 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

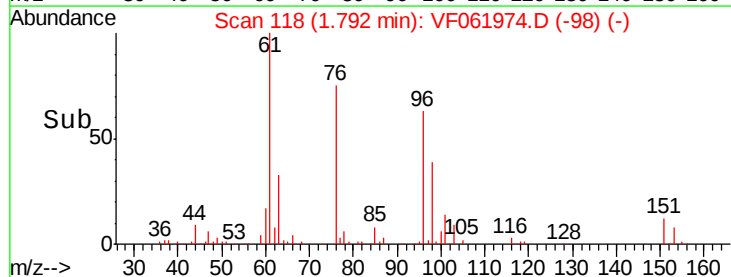
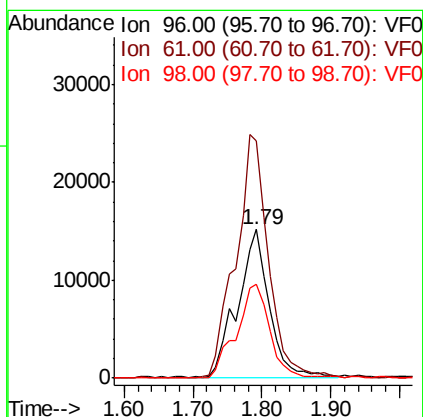
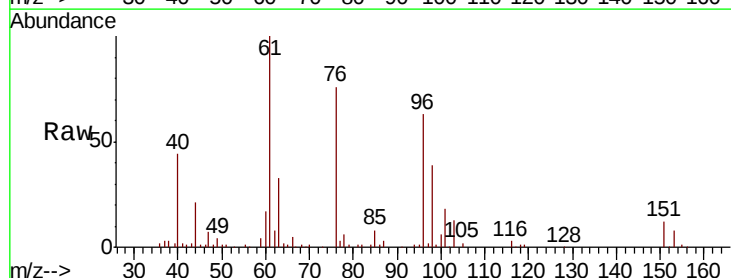
Tgt Ion: 59 Resp: 12026
Ion Ratio Lower Upper
59 100
57 19.2 8.7 13.1#

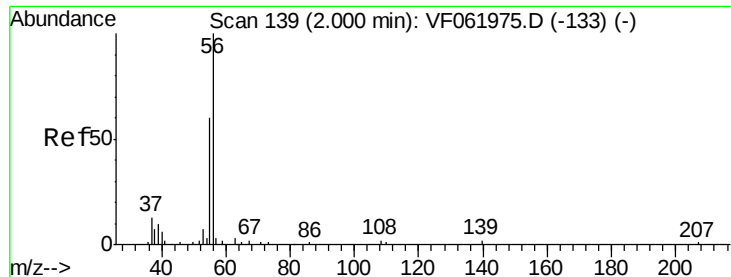


#12

1,1-Dichloroethene
Concen: 21.513 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 96 Resp: 49477
Ion Ratio Lower Upper
96 100
61 159.7 138.6 208.0
98 63.1 53.2 79.8

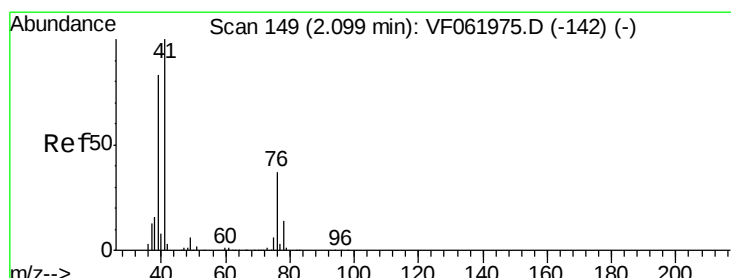
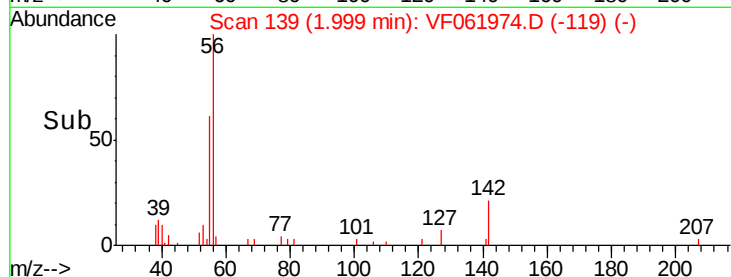
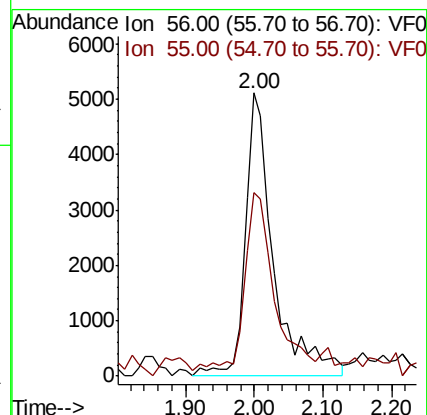
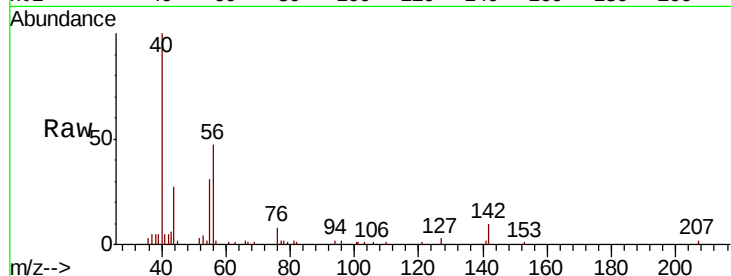




#13
Acrolein
Concen: 117.608 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

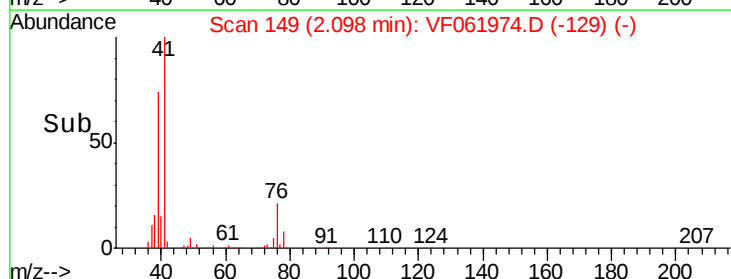
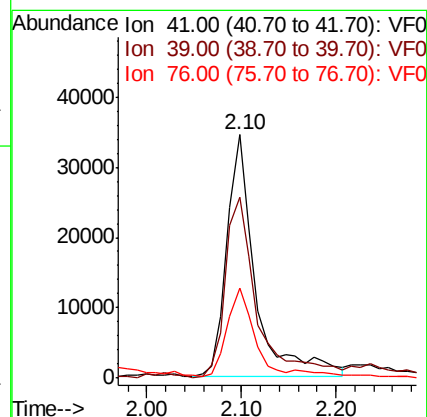
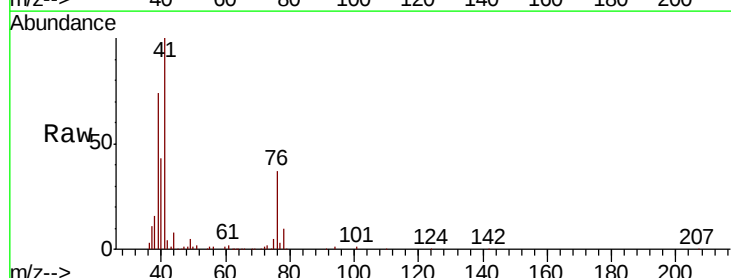
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

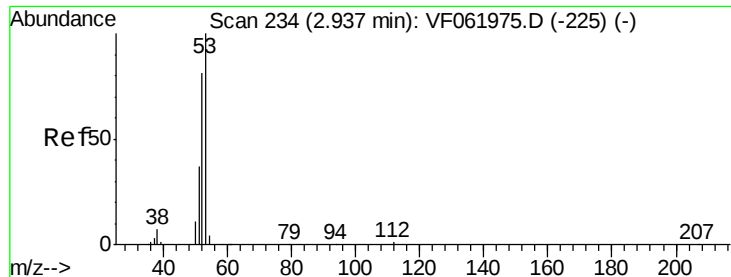
Tgt Ion: 56 Resp: 14567
Ion Ratio Lower Upper
56 100
55 64.8 49.1 73.7



#14
Allyl chloride
Concen: 24.608 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 41 Resp: 72246
Ion Ratio Lower Upper
41 100
39 74.4 66.8 100.2
76 36.8 31.1 46.7





#15

Acrylonitrile

Concen: 101.881 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

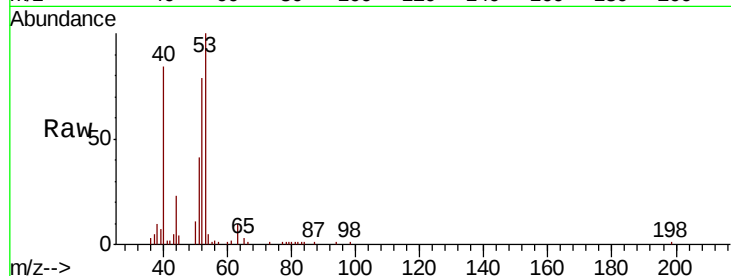
Tgt Ion: 53 Resp: 37188

Ion Ratio Lower Upper

53 100

52 79.2 64.4 96.6

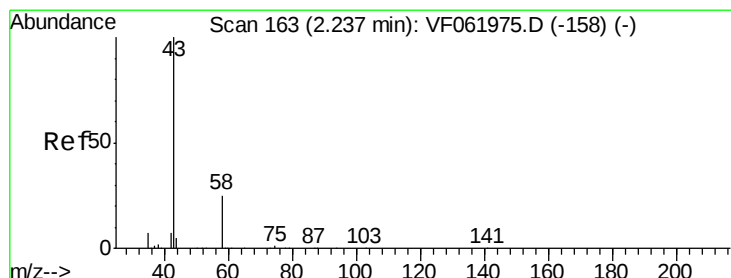
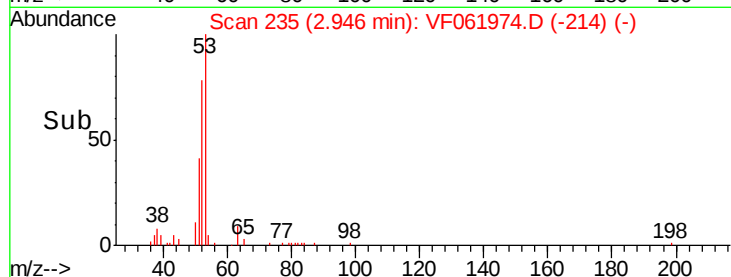
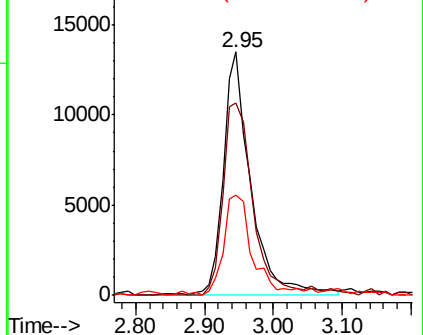
51 41.3 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 105.192 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061974.D

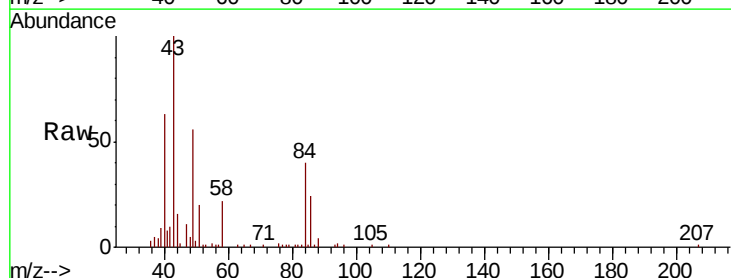
Acq: 16 Mar 2019 11:39

Tgt Ion: 43 Resp: 46336

Ion Ratio Lower Upper

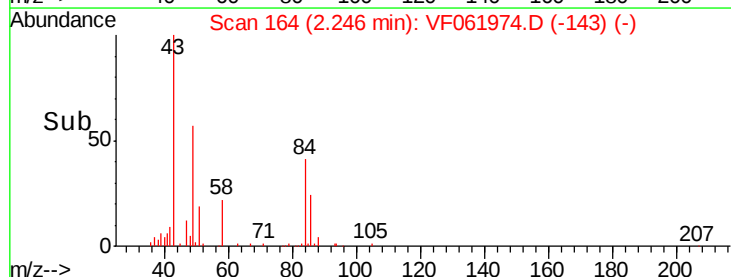
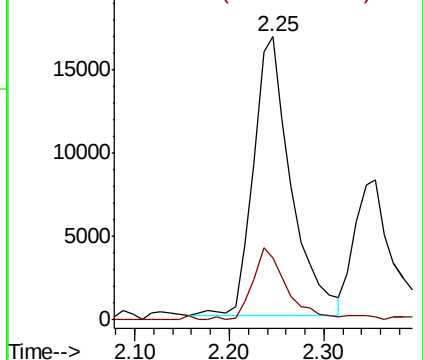
43 100

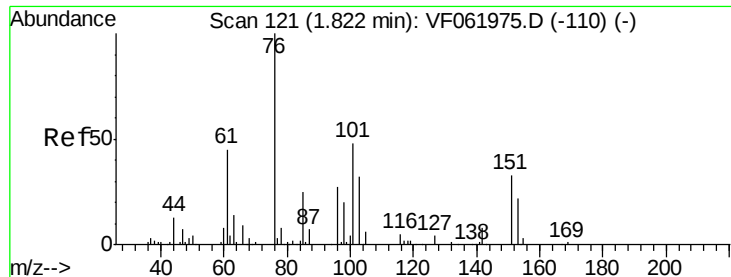
58 22.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

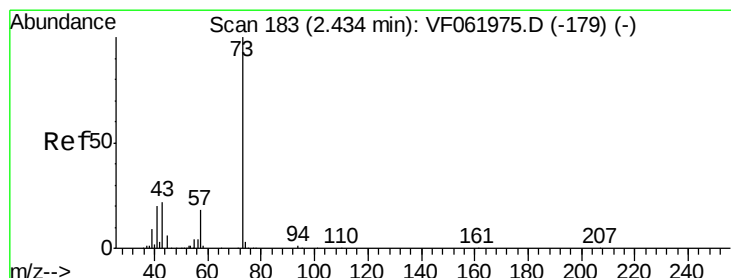
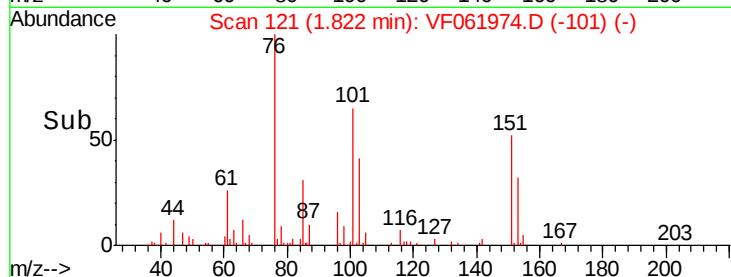
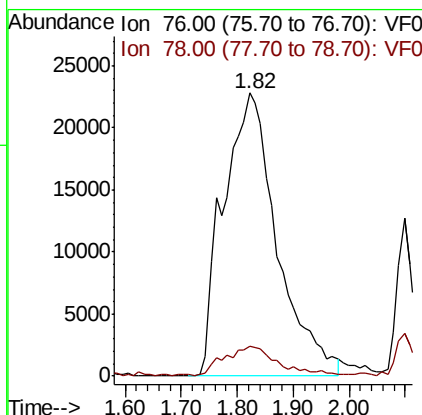
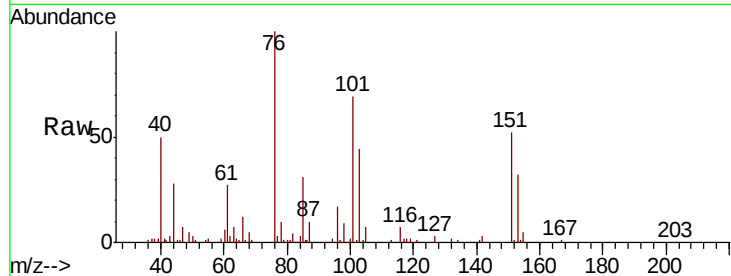




#17
Carbon Disulfide
Concen: 22.758 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

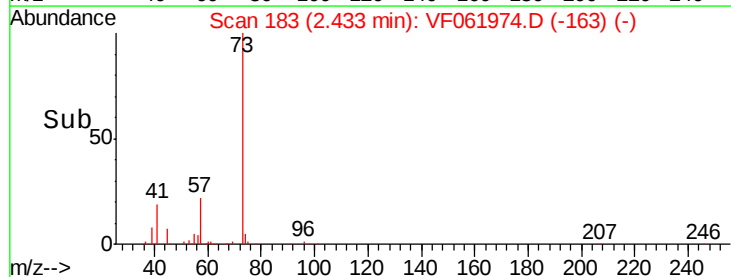
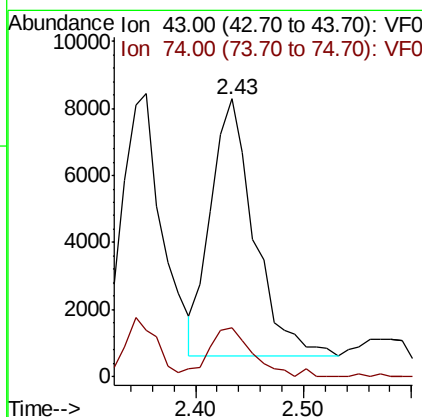
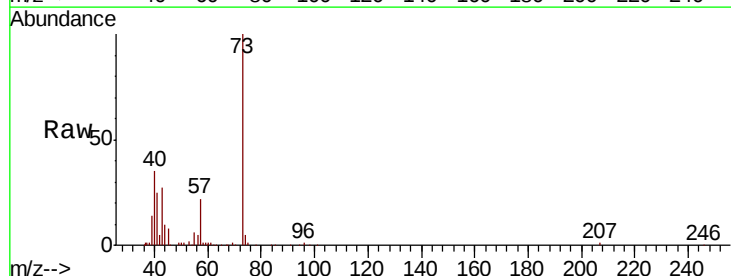
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

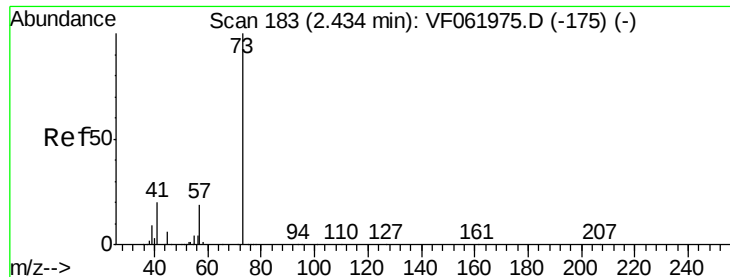
Tgt Ion: 76 Resp: 151854
Ion Ratio Lower Upper
76 100
78 10.4 6.8 10.2#



#18
Methyl Acetate
Concen: 21.486 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 43 Resp: 21438
Ion Ratio Lower Upper
43 100
74 17.8 12.6 18.8



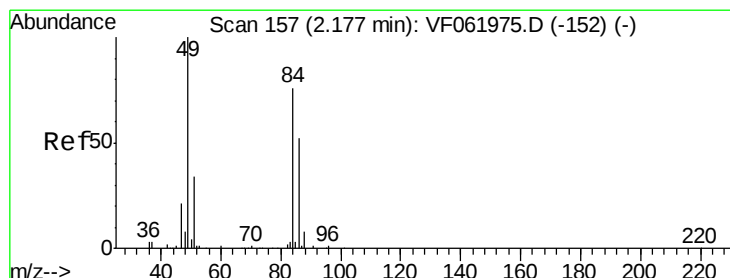
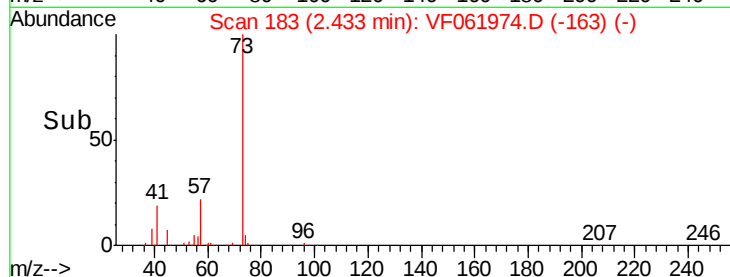
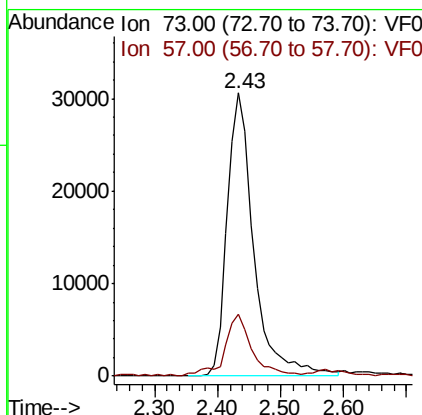
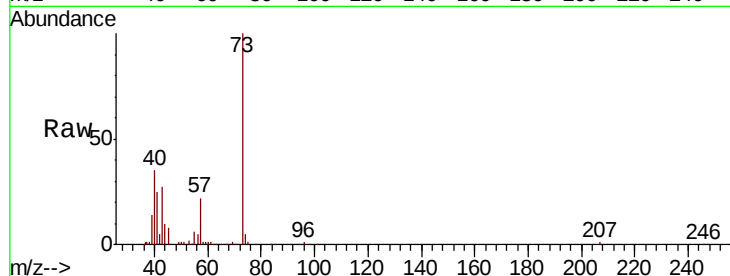


#19

Methyl tert-butyl Ether
 Concen: 21.498 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

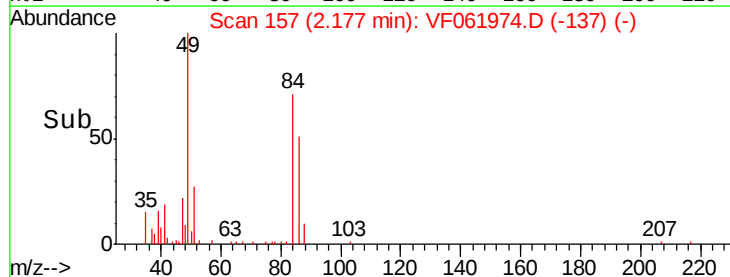
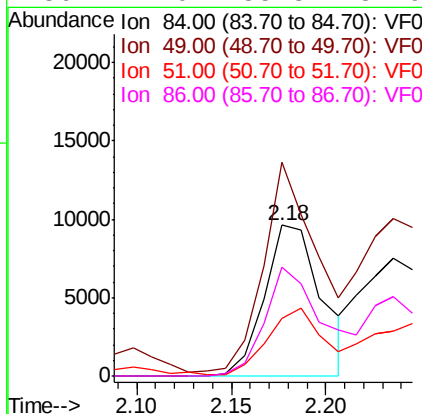
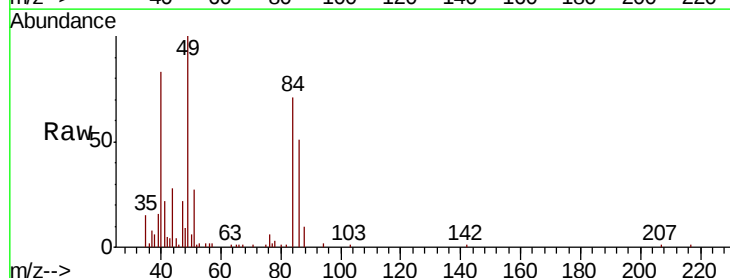
Tgt Ion: 73 Resp: 89593
 Ion Ratio Lower Upper
 73 100
 57 21.8 15.3 22.9

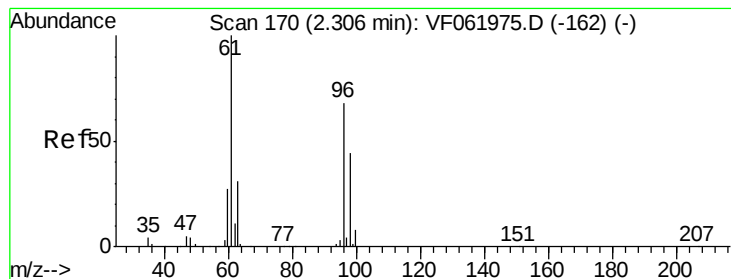


#20

Methylene Chloride
 Concen: 9.010 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion: 84 Resp: 20235
 Ion Ratio Lower Upper
 84 100
 49 141.5 107.0 160.6
 51 38.3 37.2 55.8
 86 72.0 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 21.734 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

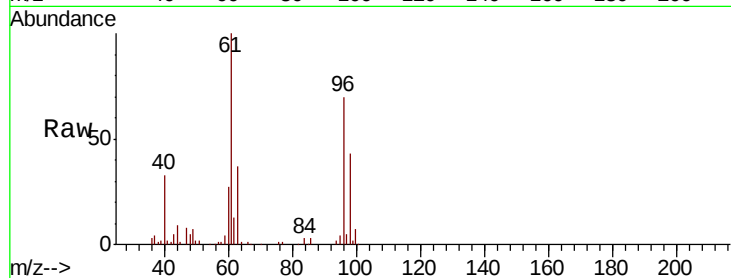
Tgt Ion: 96 Resp: 52280

Ion Ratio Lower Upper

96 100

61 142.3 117.4 176.2

98 60.7 51.2 76.8

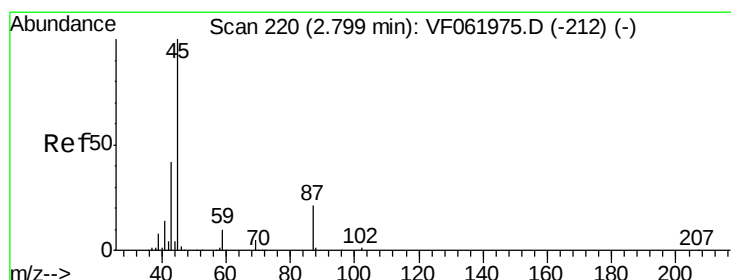
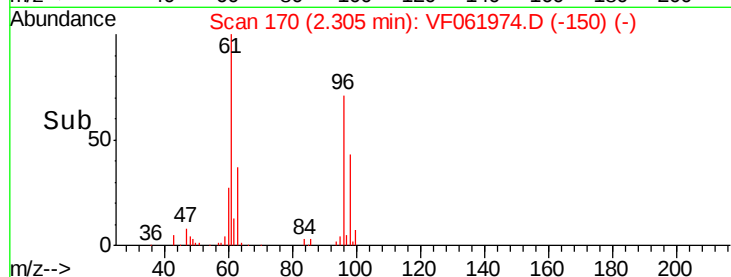
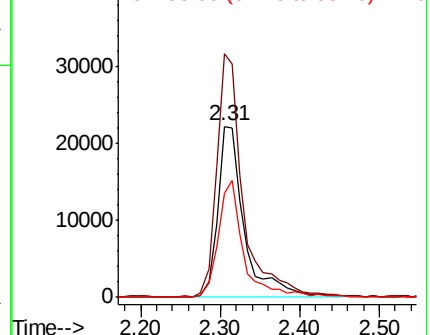


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.396 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Tgt Ion: 45 Resp: 158245

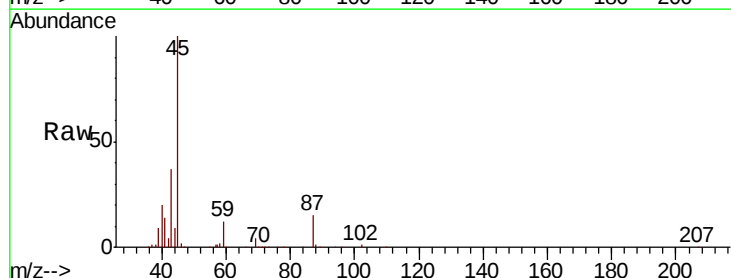
Ion Ratio Lower Upper

45 100

43 37.1 33.7 50.5

87 15.5 17.1 25.7#

59 11.9 8.0 12.0



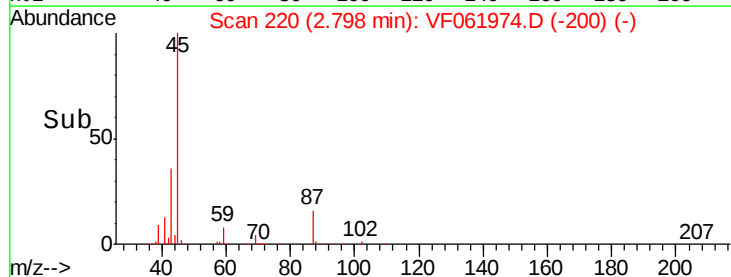
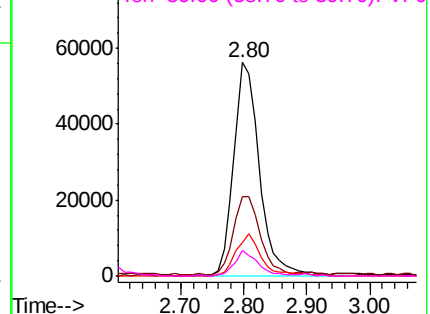
Abundance

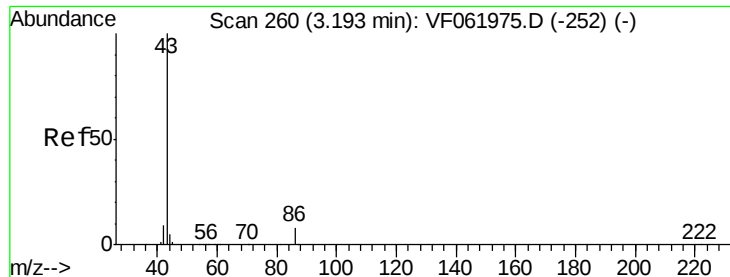
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 111.637 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

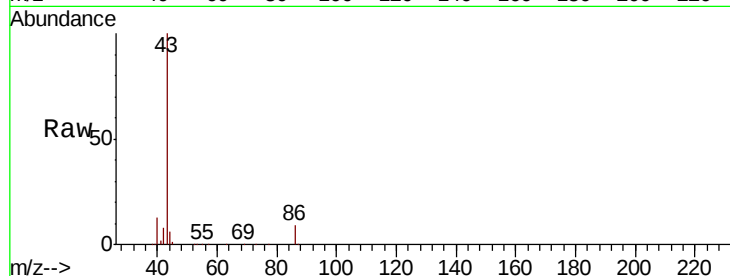
VSTDIC020

Tgt Ion: 43 Resp: 310783

Ion Ratio Lower Upper

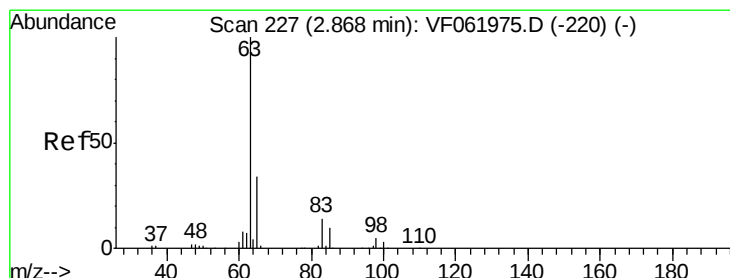
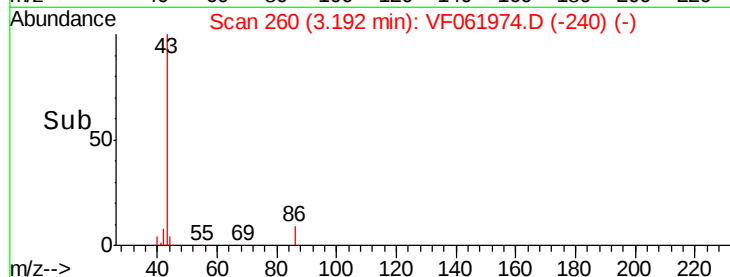
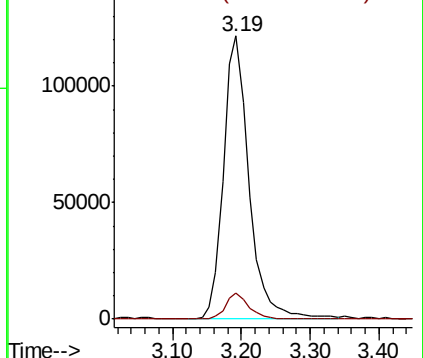
43 100

86 9.0 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: 22.210 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

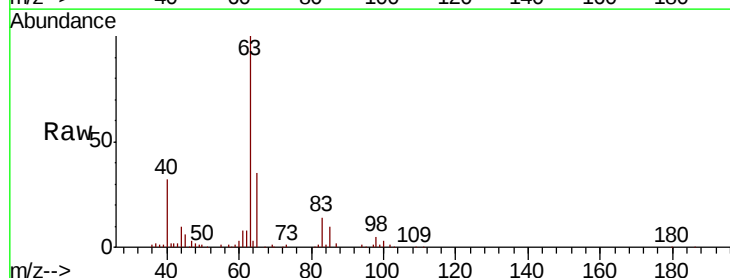
Tgt Ion: 63 Resp: 91196

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

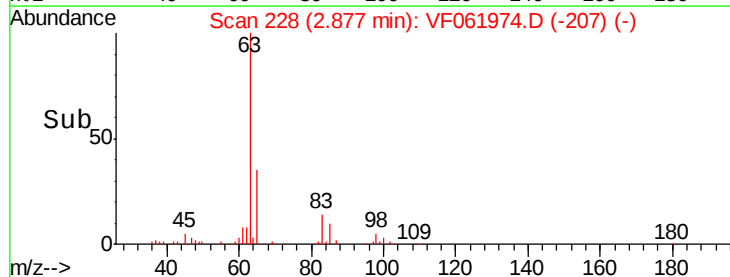
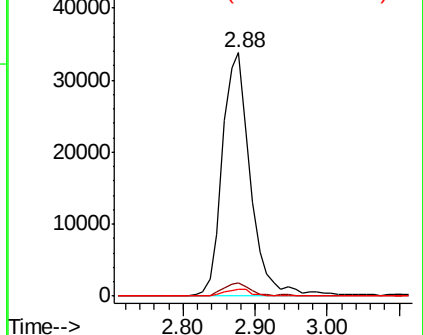
100 3.1 1.7 5.0

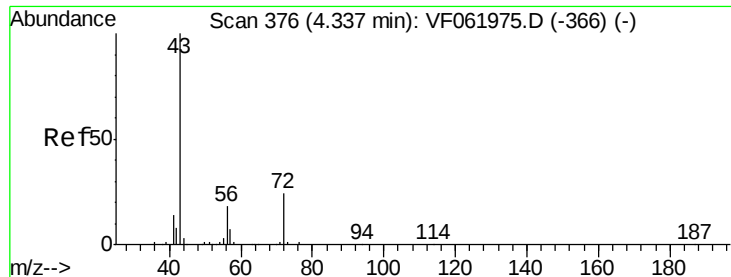


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 102.294 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

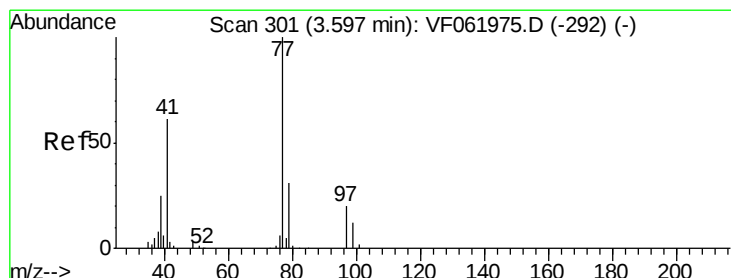
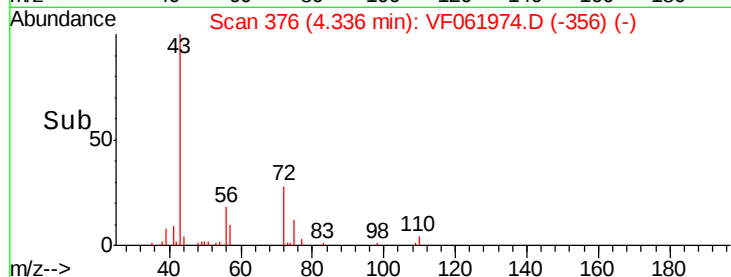
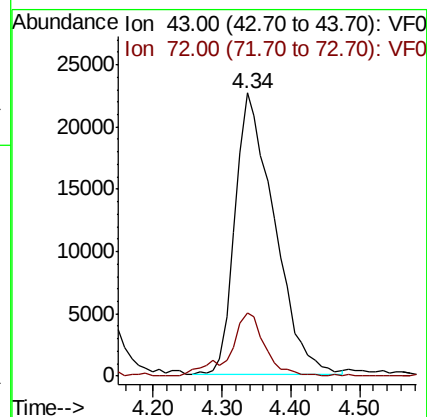
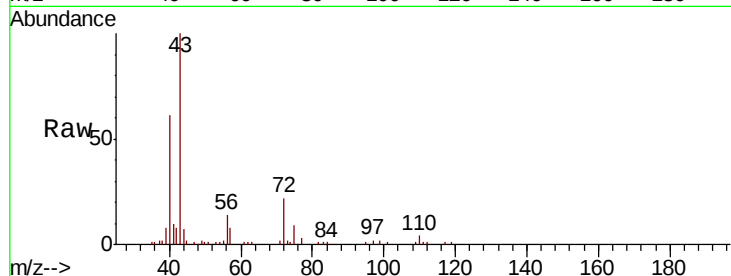
VSTDIC020

Tgt Ion: 43 Resp: 89238

Ion Ratio Lower Upper

43 100

72 22.2 19.8 29.6



#26

2,2-Dichloropropane

Concen: 22.125 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061974.D

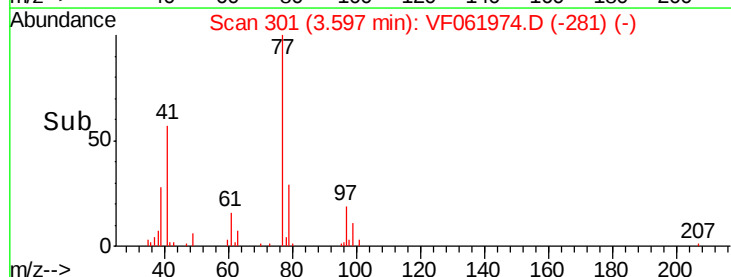
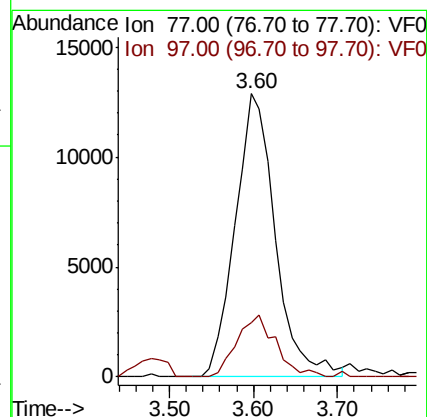
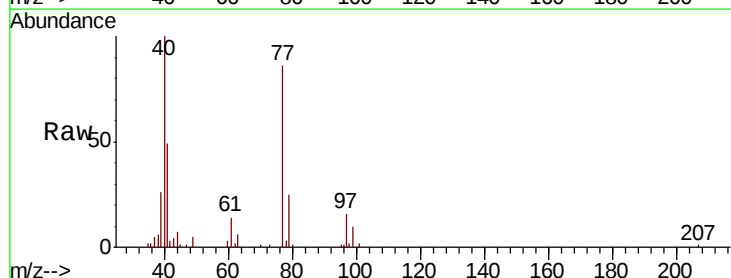
Acq: 16 Mar 2019 11:39

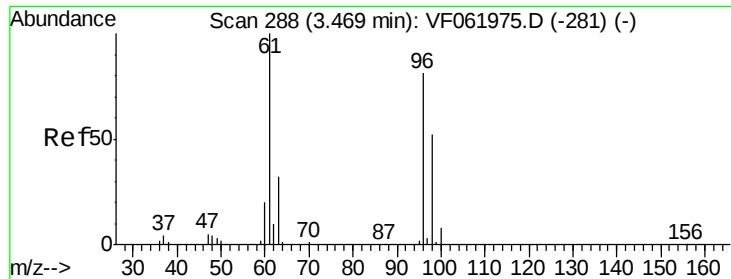
Tgt Ion: 77 Resp: 42852

Ion Ratio Lower Upper

77 100

97 19.0 10.8 32.4



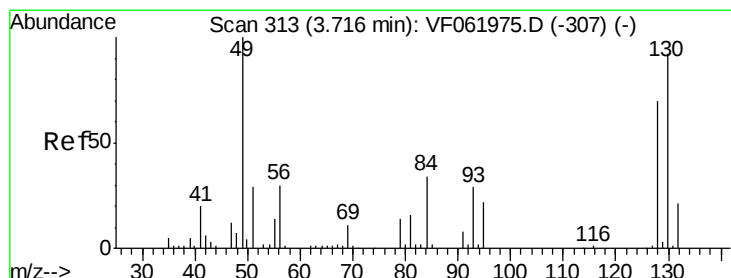
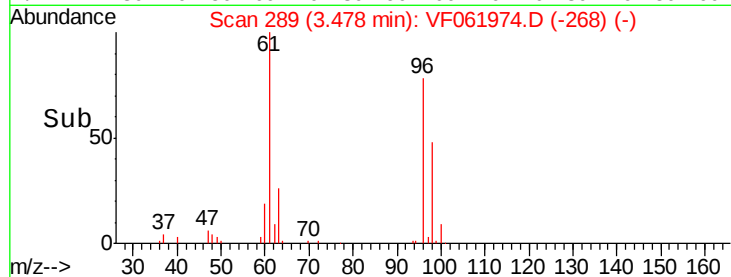
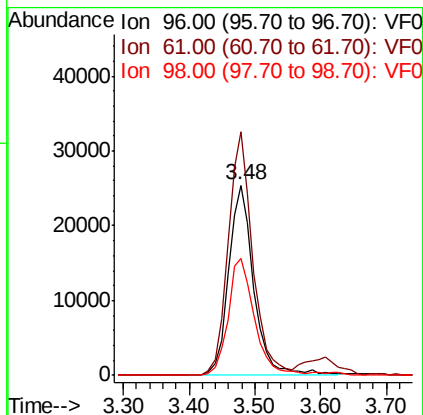
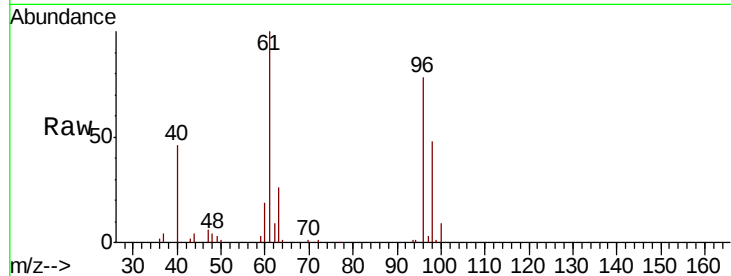


#27

cis-1,2-Dichloroethene
 Concen: 22.480 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

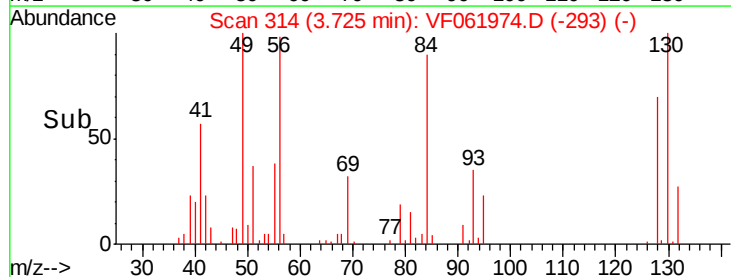
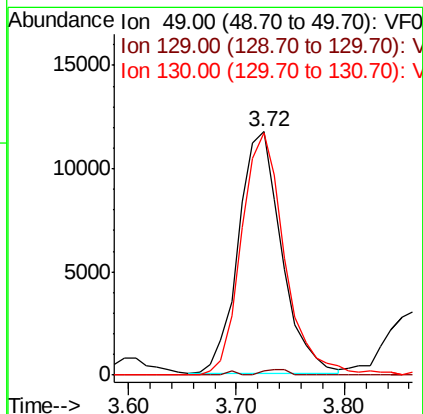
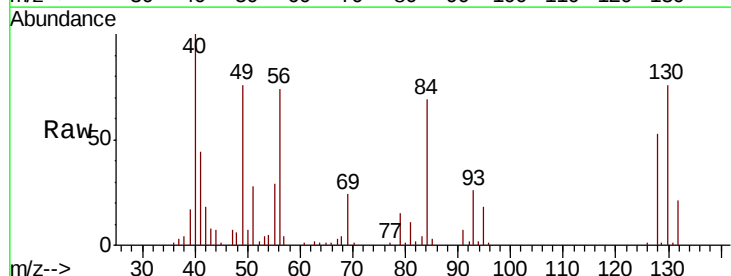
Tgt Ion: 96 Resp: 68023
 Ion Ratio Lower Upper
 96 100
 61 128.1 0.0 246.6
 98 61.5 0.0 129.2

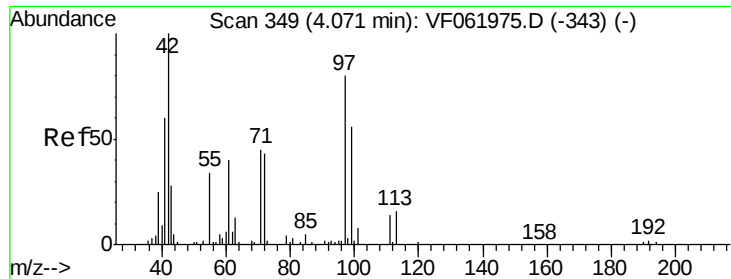


#28

Bromochloromethane
 Concen: 19.041 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion: 49 Resp: 32442
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 5.8
 130 99.7 73.1 109.7





#29

Tetrahydrofuran

Concen: 110.660 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

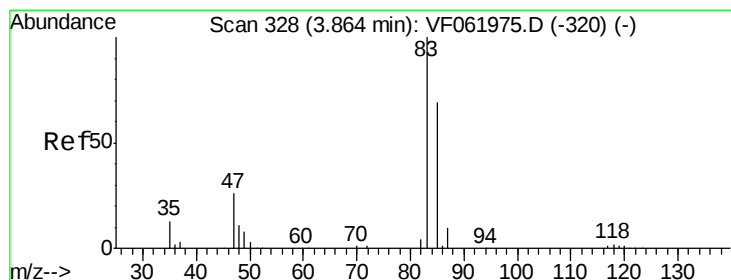
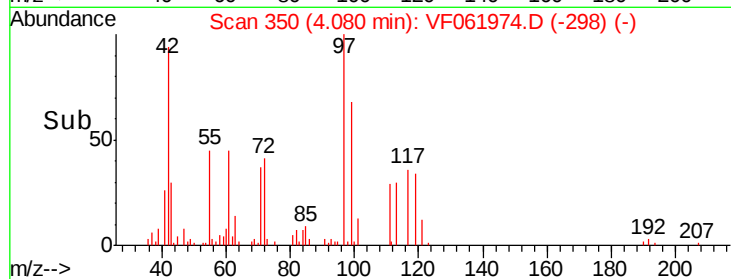
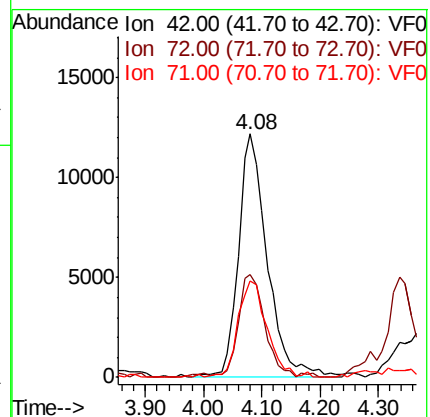
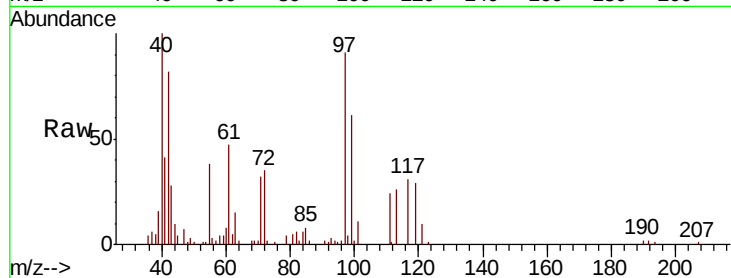
Tgt Ion: 42 Resp: 41983

Ion Ratio Lower Upper

42 100

72 38.4 34.0 51.0

71 39.8 34.2 51.4



#30

Chloroform

Concen: 23.350 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF061974.D

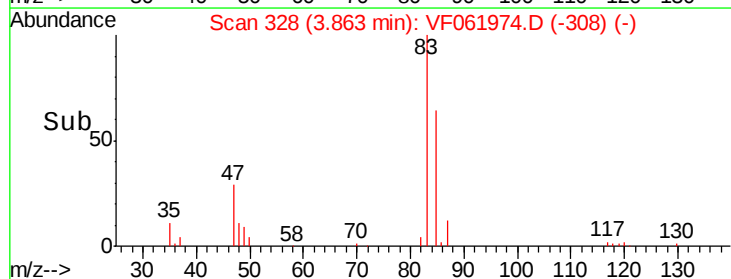
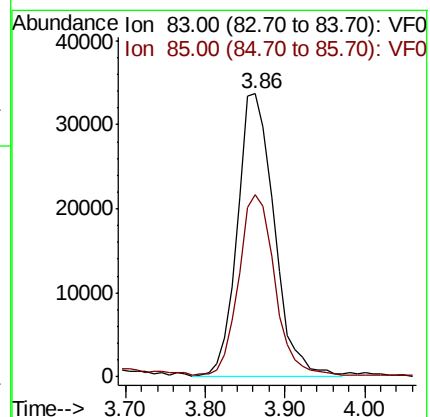
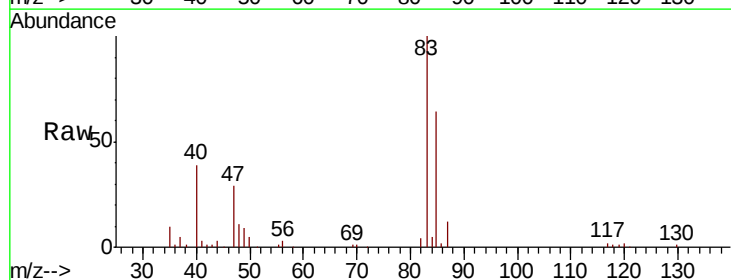
Acq: 16 Mar 2019 11:39

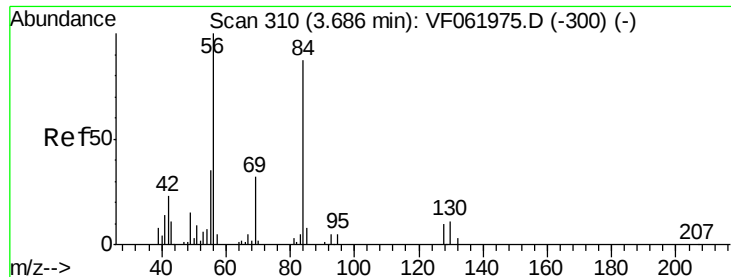
Tgt Ion: 83 Resp: 108635

Ion Ratio Lower Upper

83 100

85 64.3 55.5 83.3

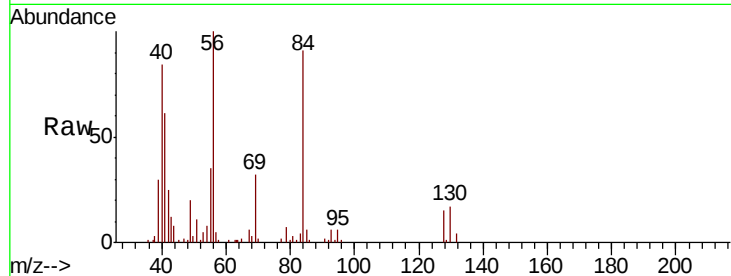




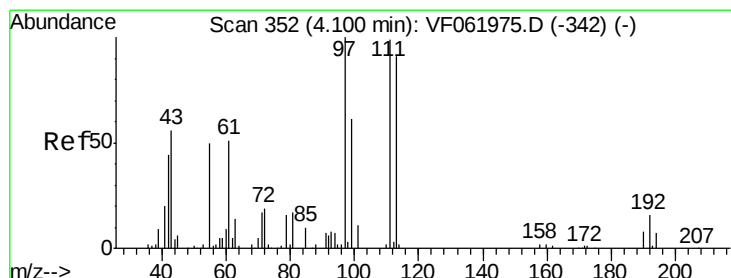
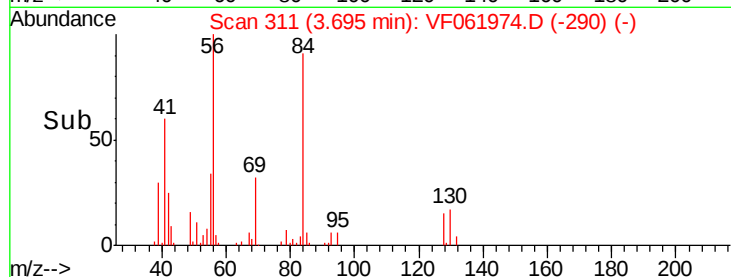
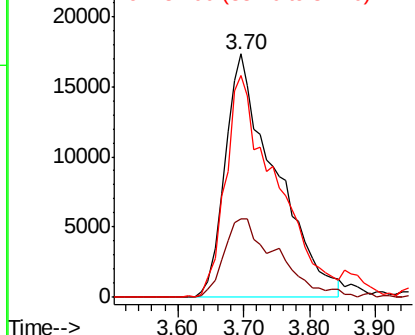
#31
Cyclohexane
Concen: 22.978 ug/l
RT: 3.70 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 91939
Ion Ratio Lower Upper
56 100
69 32.4 25.8 38.8
84 90.9 69.5 104.3

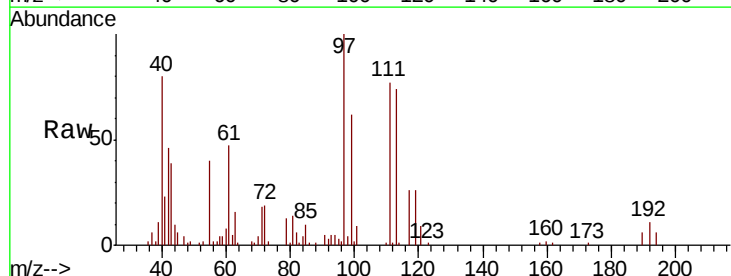


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

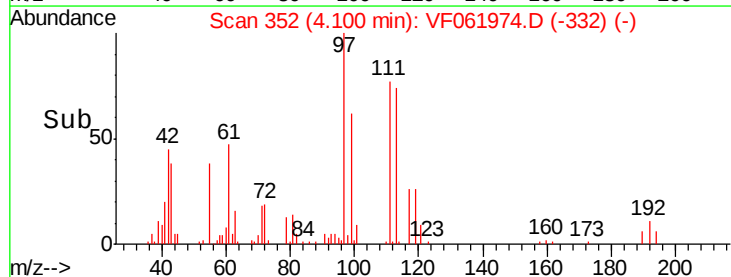
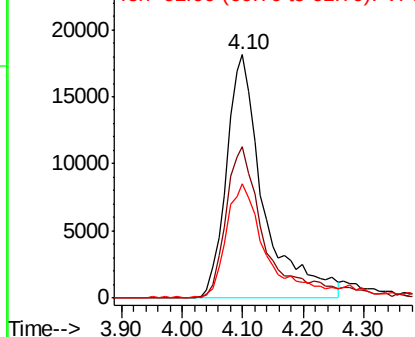


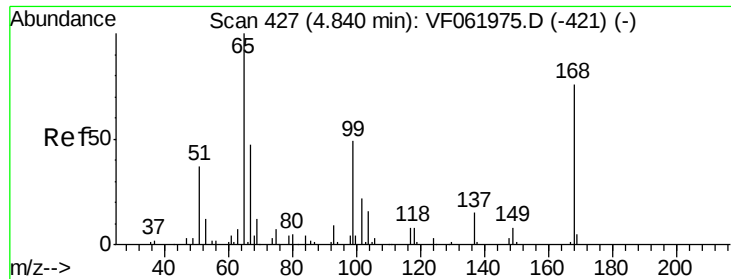
#32
1,1,1-Trichloroethane
Concen: 25.160 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 97 Resp: 77397
Ion Ratio Lower Upper
97 100
99 62.0 49.0 73.4
61 47.1 41.4 62.0



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

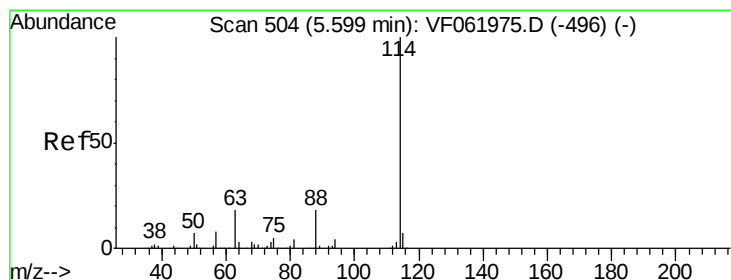
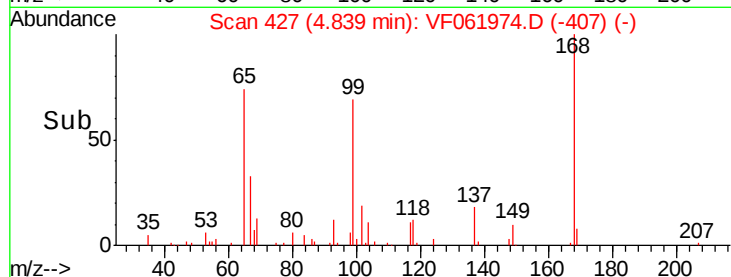
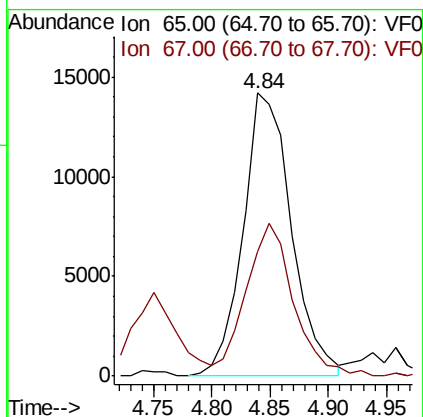
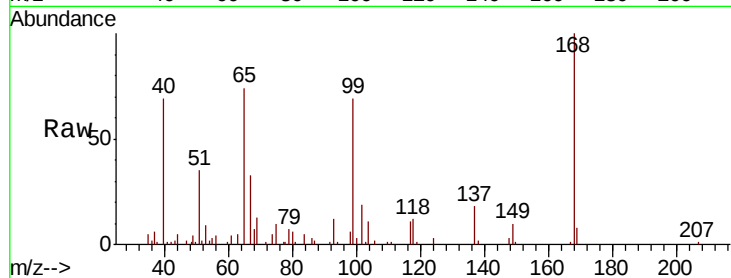




#33
 1,2-Dichloroethane-d4
 Concen: 20.870 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

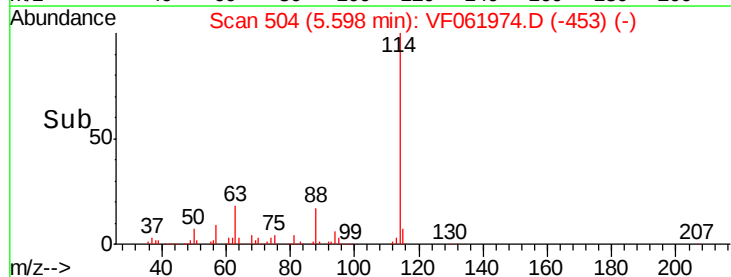
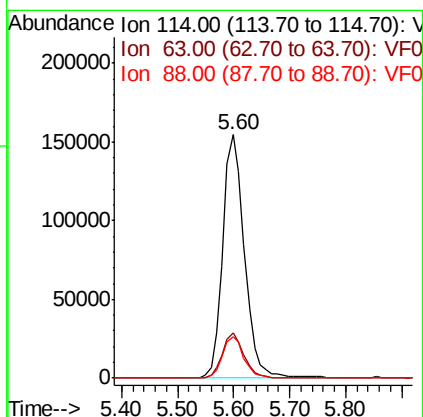
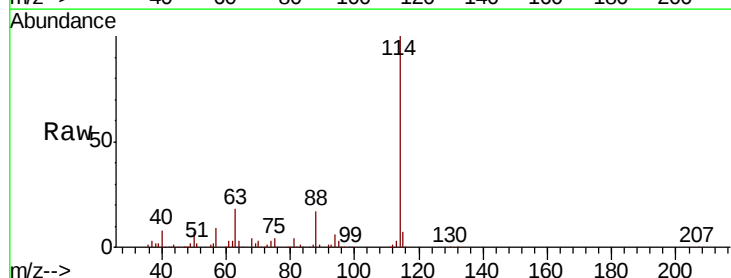
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

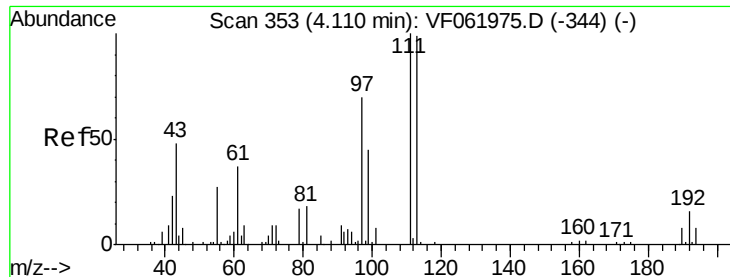
Tgt Ion: 65 Resp: 40940
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion: 114 Resp: 417477
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.4
 88 16.8 0.0 36.4

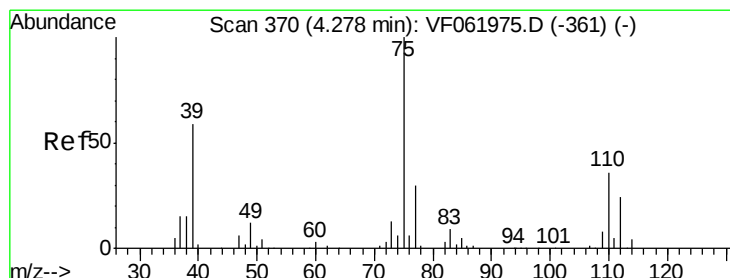
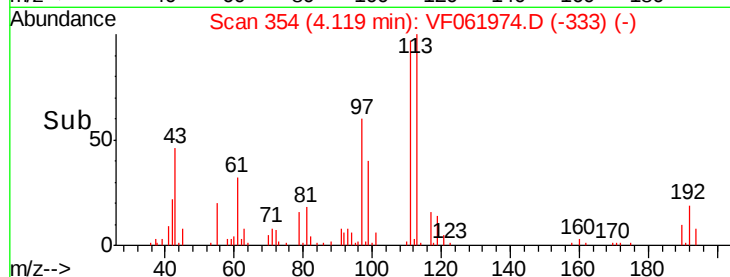
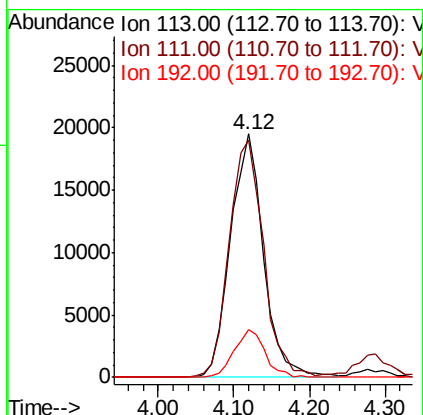
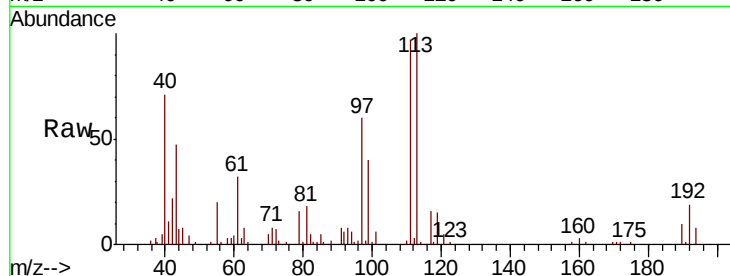




#35
 Dibromofluoromethane
 Concen: 20.979 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

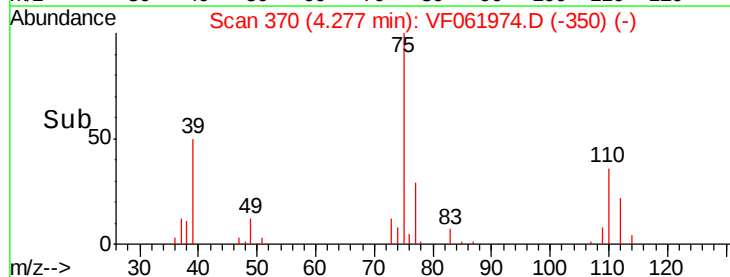
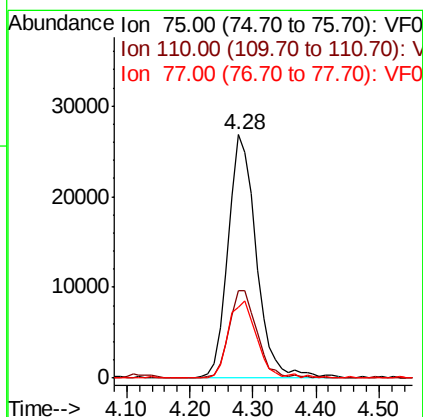
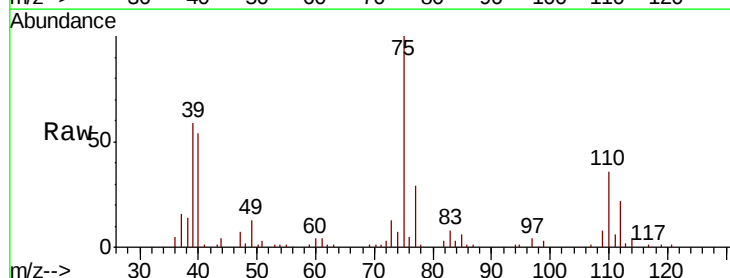
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

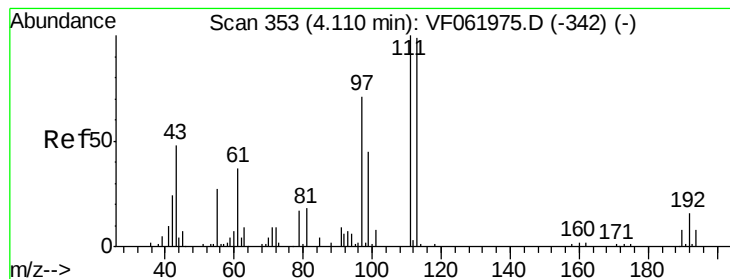
Tgt Ion:113 Resp: 58814
 Ion Ratio Lower Upper
 113 100
 111 97.3 80.8 121.2
 192 19.5 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 22.087 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion: 75 Resp: 83269
 Ion Ratio Lower Upper
 75 100
 110 35.7 17.8 53.3
 77 29.1 24.2 36.2





#37

Ethyl Acetate

Concen: 22.445 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

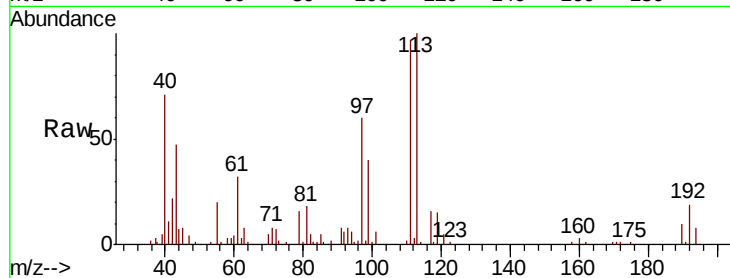
Tgt Ion: 43 Resp: 37995

Ion Ratio Lower Upper

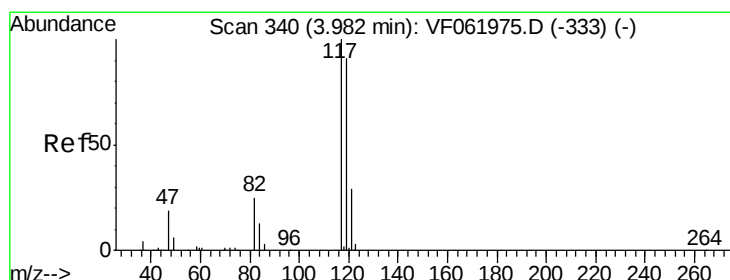
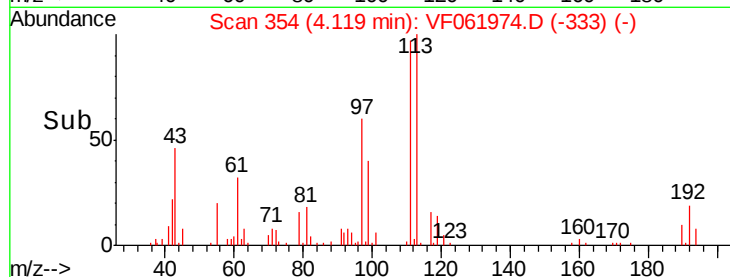
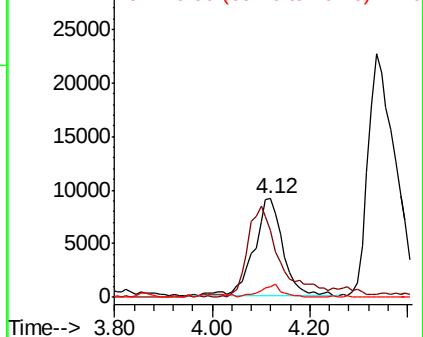
43 100

61 67.6 59.8 89.6

70 11.4 7.8 11.8



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



#38

Carbon Tetrachloride

Concen: 23.111 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

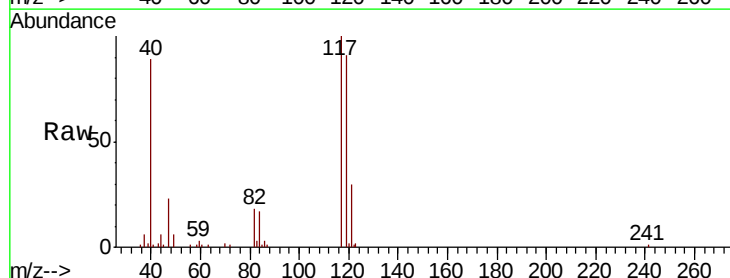
Tgt Ion: 117 Resp: 63677

Ion Ratio Lower Upper

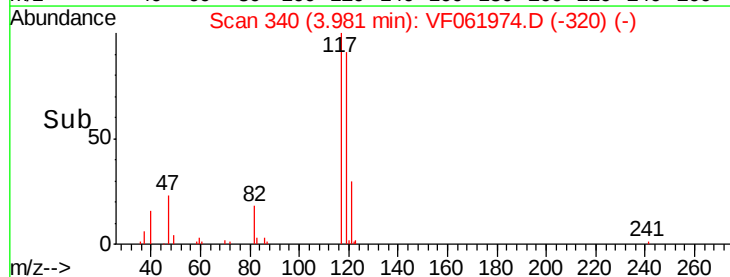
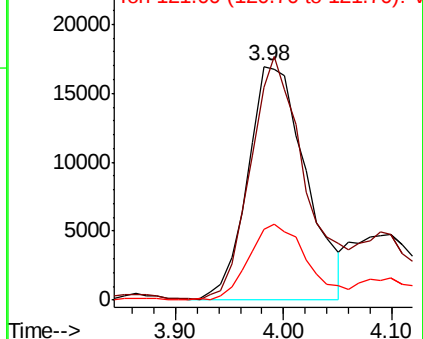
117 100

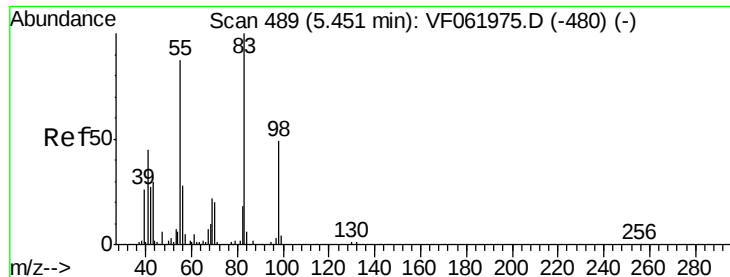
119 91.0 73.0 109.4

121 30.0 23.0 34.6



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

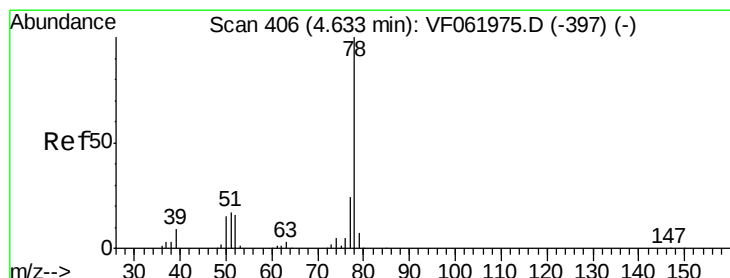
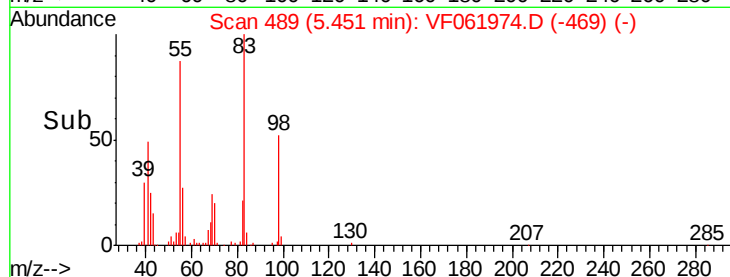
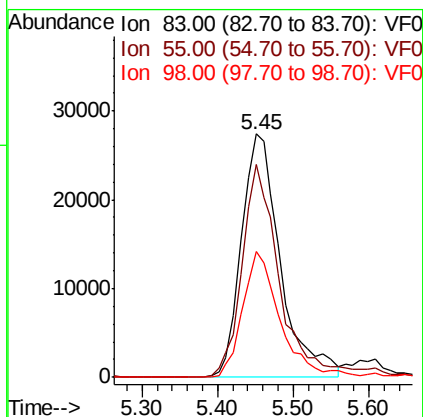
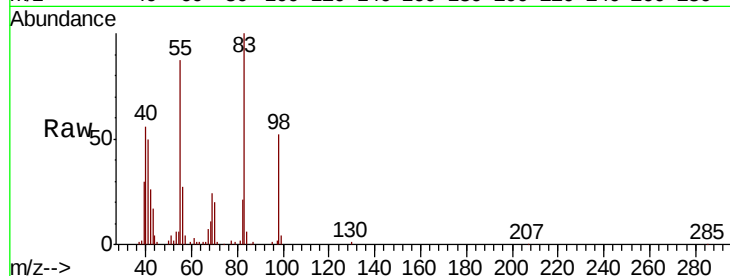




#39
Methylcyclohexane
Concen: 22.195 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

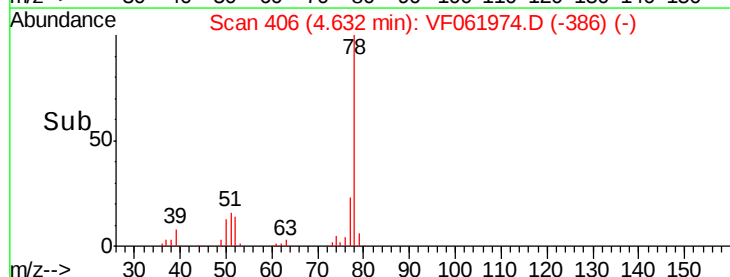
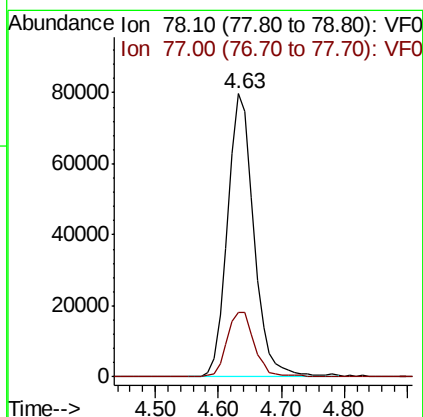
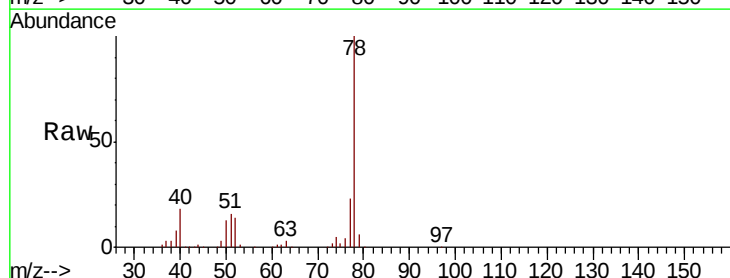
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

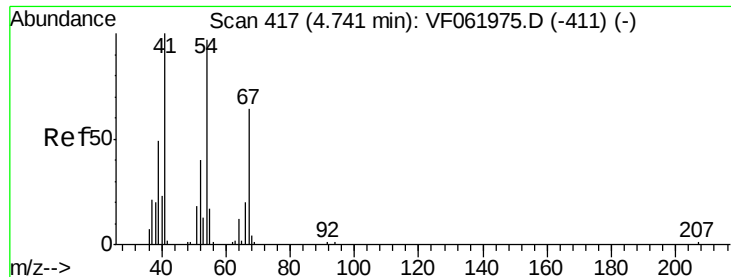
Tgt Ion: 83 Resp: 98235
Ion Ratio Lower Upper
83 100
55 87.4 69.7 104.5
98 51.6 39.4 59.0



#40
Benzene
Concen: 23.133 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 78 Resp: 231113
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4

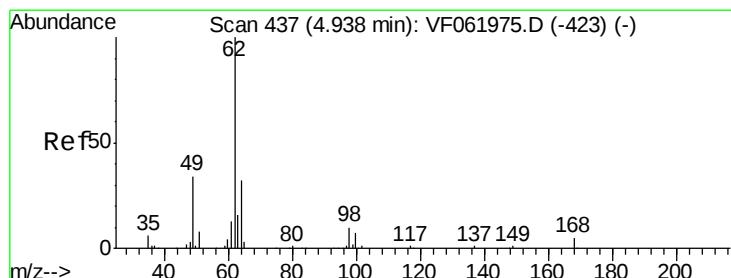
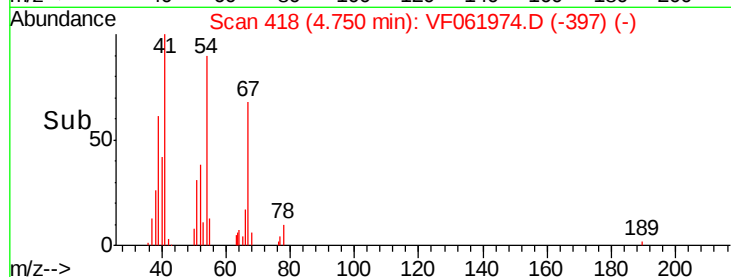
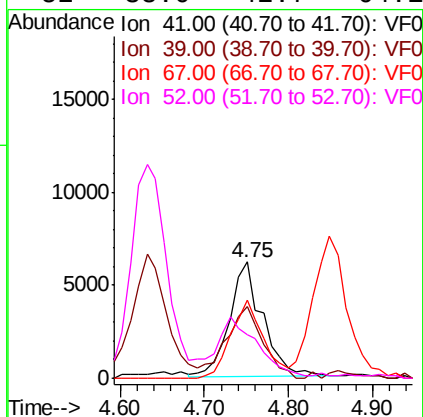
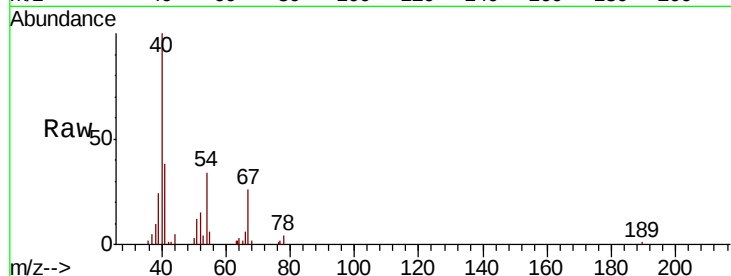




#41
Methacrylonitrile
Concen: 18.937 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

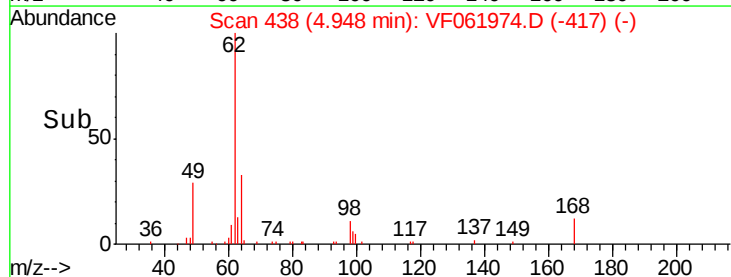
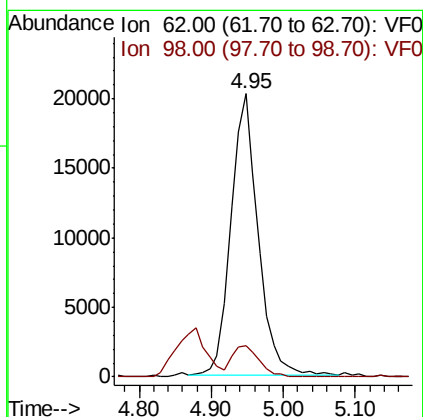
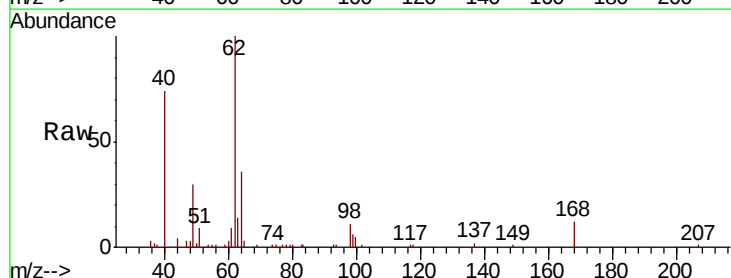
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

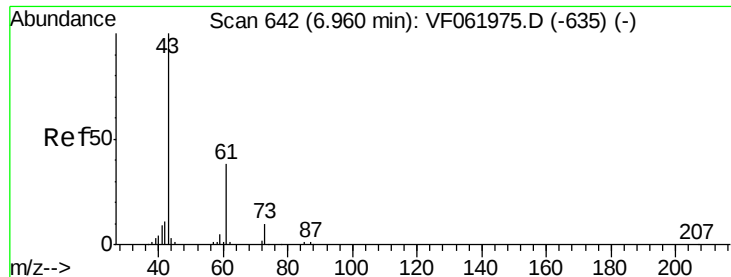
Tgt Ion: 41 Resp: 17127
Ion Ratio Lower Upper
41 100
39 61.5 46.2 69.4
67 67.5 49.8 74.8
52 38.0 42.7 64.1#



#42
1,2-Dichloroethane
Concen: 21.458 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 62 Resp: 53363
Ion Ratio Lower Upper
62 100
98 11.2 0.0 19.8

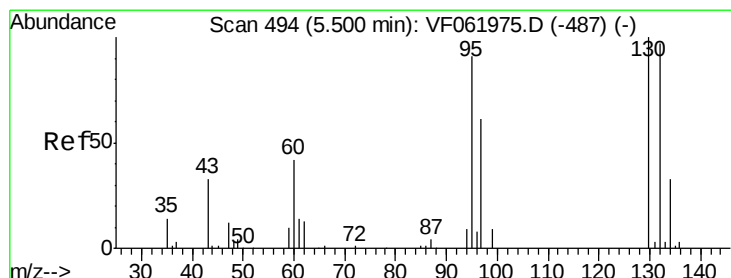
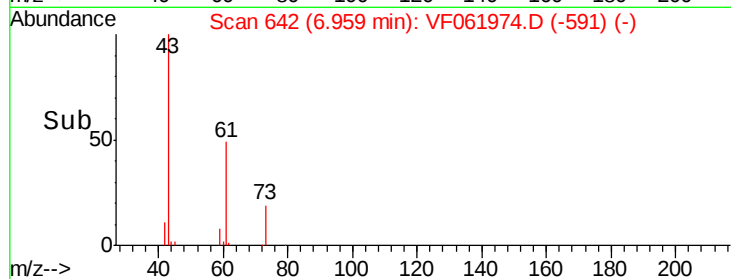
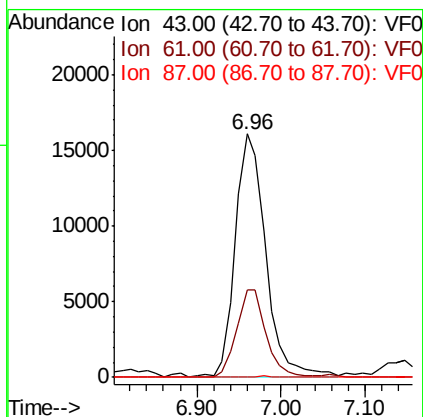
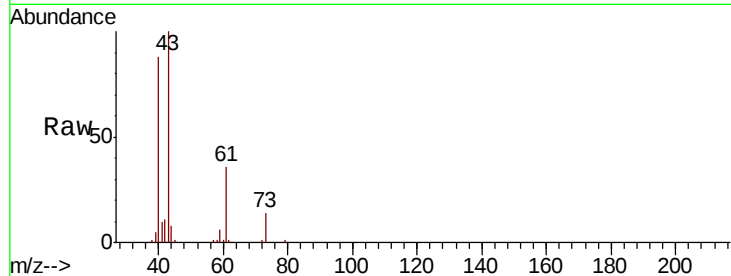




#43
Isopropyl Acetate
Concen: 20.436 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

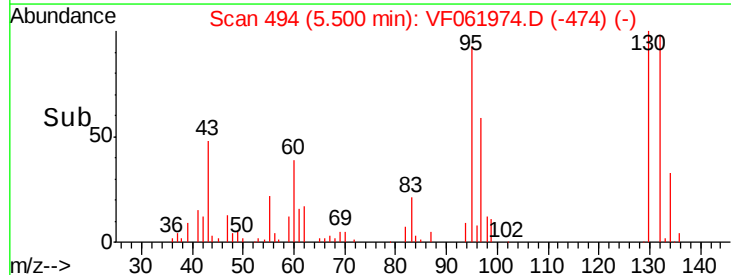
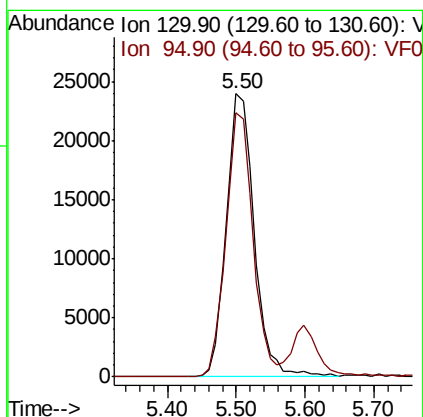
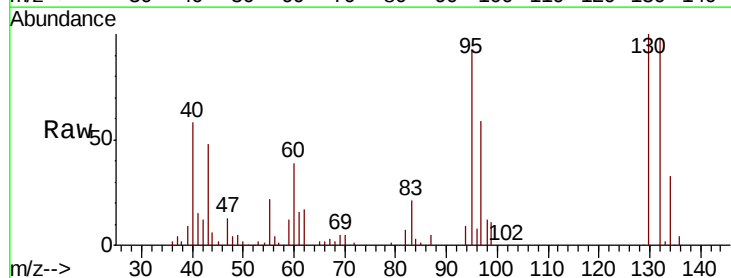
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

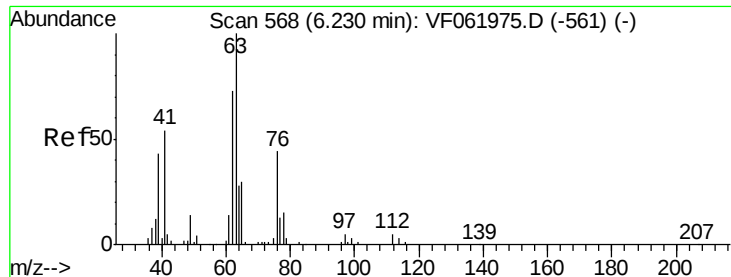
Tgt Ion: 43 Resp: 40930
Ion Ratio Lower Upper
43 100
61 35.9 30.1 45.1
87 0.0 0.4 0.6#



#44
Trichloroethene
Concen: 22.077 ug/l
RT: 5.50 min Scan# 494
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 130 Resp: 67561
Ion Ratio Lower Upper
130 100
95 93.4 0.0 181.4





#45

1,2-Dichloropropane

Concen: 23.189 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

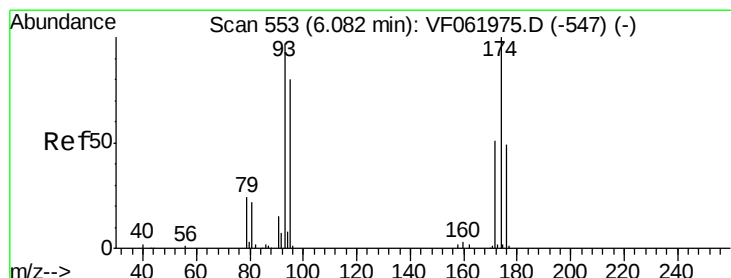
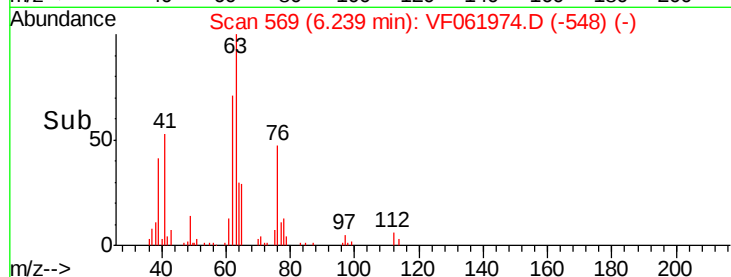
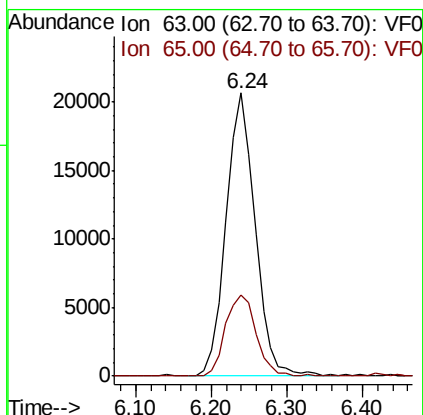
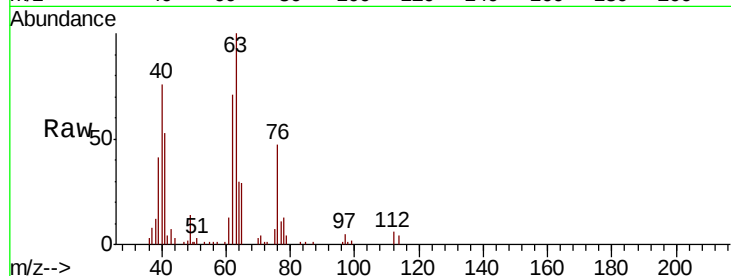
VSTDIC020

Tgt Ion: 63 Resp: 54821

Ion Ratio Lower Upper

63 100

65 28.7 23.7 35.5



#46

Dibromomethane

Concen: 22.691 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

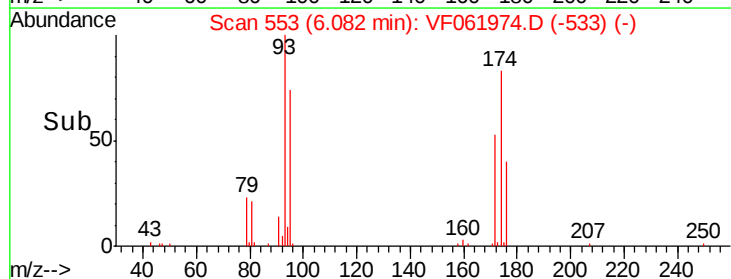
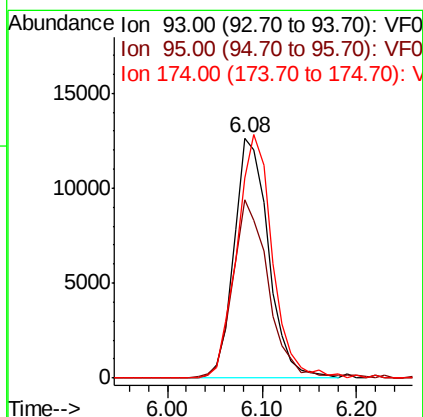
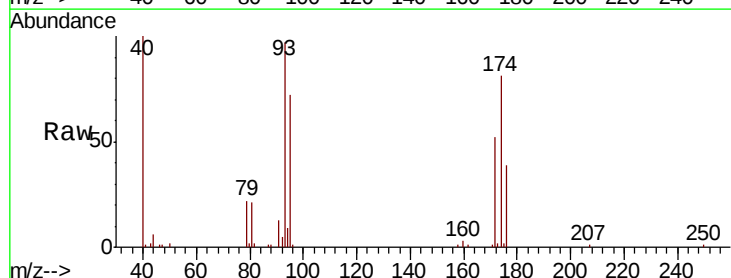
Tgt Ion: 93 Resp: 31912

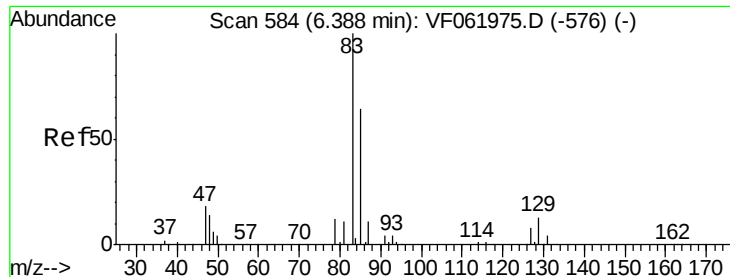
Ion Ratio Lower Upper

93 100

95 74.4 65.7 98.5

174 83.2 82.2 123.4





#47

Bromodichloromethane

Concen: 21.027 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

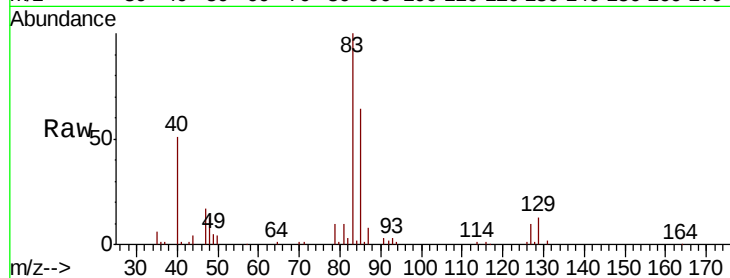
Tgt Ion: 83 Resp: 69718

Ion Ratio Lower Upper

83 100

85 64.0 51.4 77.2

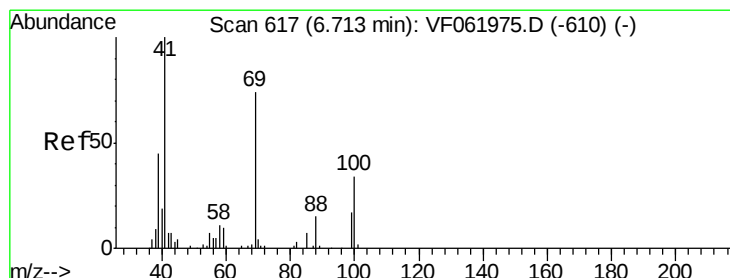
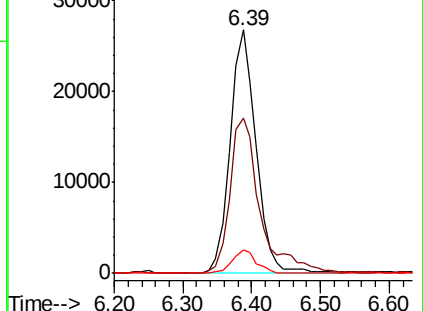
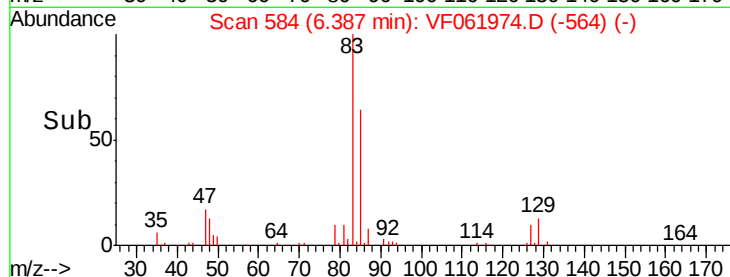
127 9.5 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.802 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

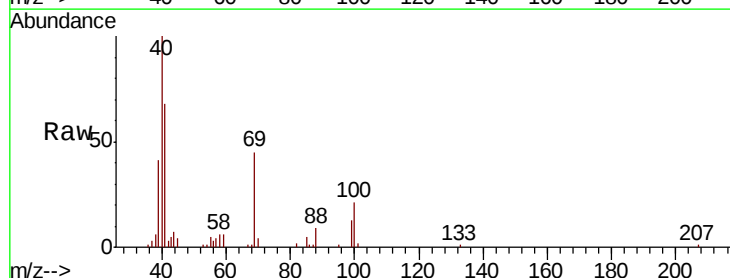
Tgt Ion: 41 Resp: 25632

Ion Ratio Lower Upper

41 100

69 66.4 59.0 88.6

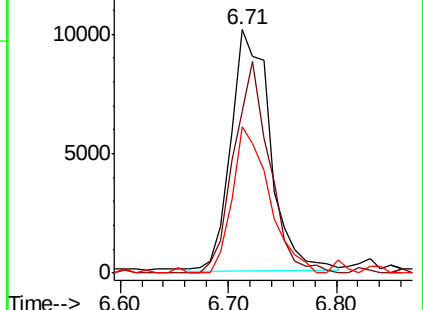
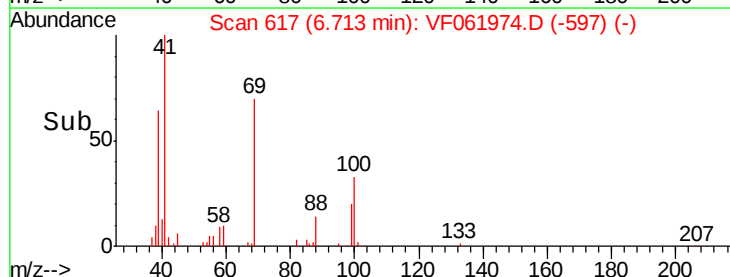
39 60.4 35.6 53.4#

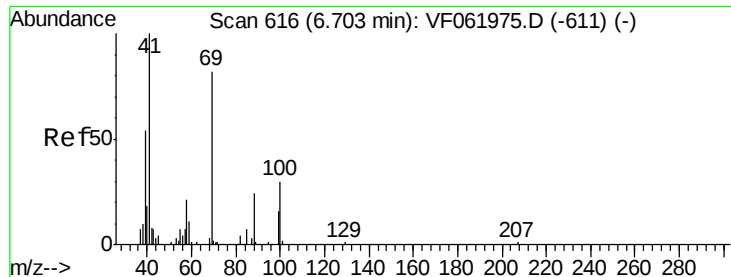


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

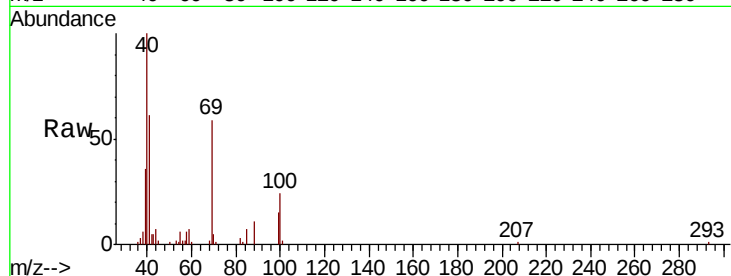




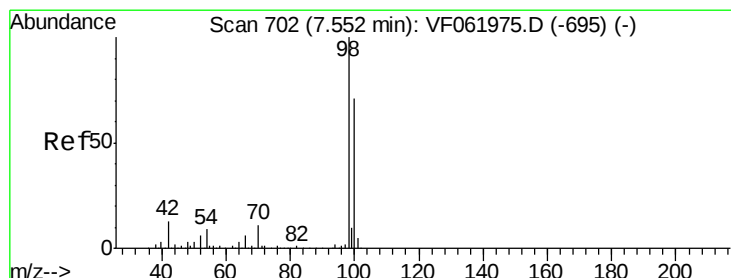
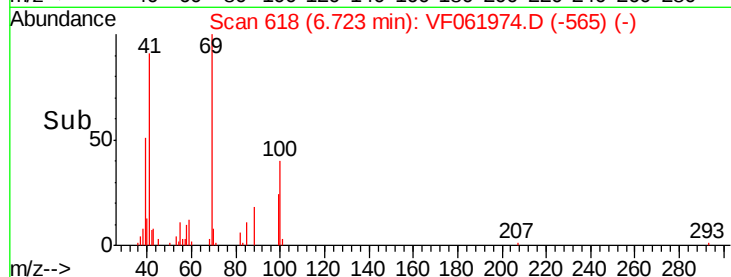
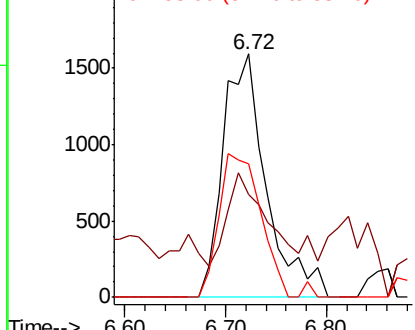
#49
1,4-Dioxane
Concen: 413.330 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.02 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 4759
Ion Ratio Lower Upper
88 100
43 42.4 31.2 46.8
58 55.0 69.9 104.9#

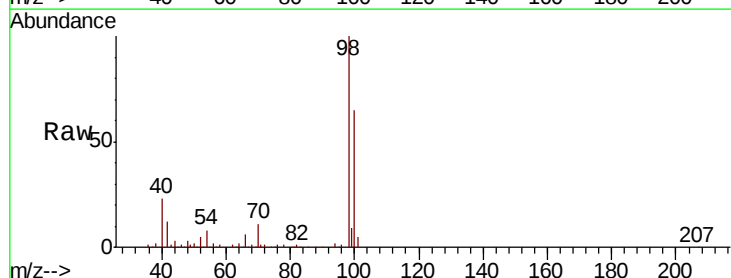


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

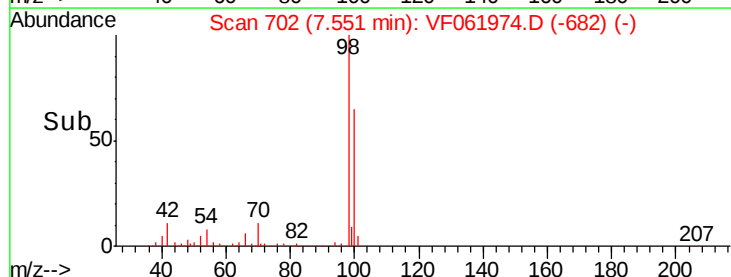
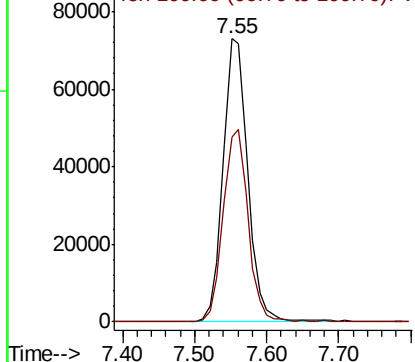


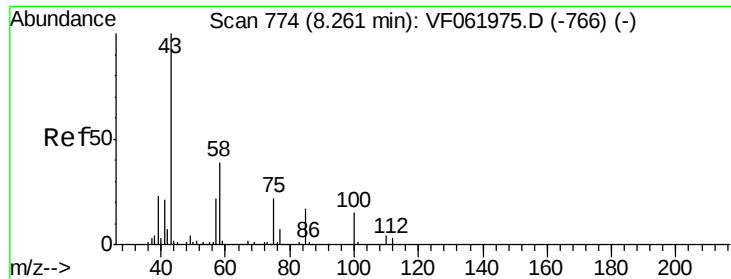
#50
Toluene-d8
Concen: 21.204 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 98 Resp: 173773
Ion Ratio Lower Upper
98 100
100 65.1 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 108.454 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

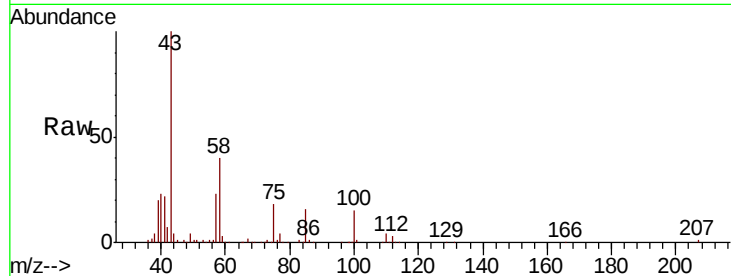
VSTDIC020

Tgt Ion: 43 Resp: 154246

Ion Ratio Lower Upper

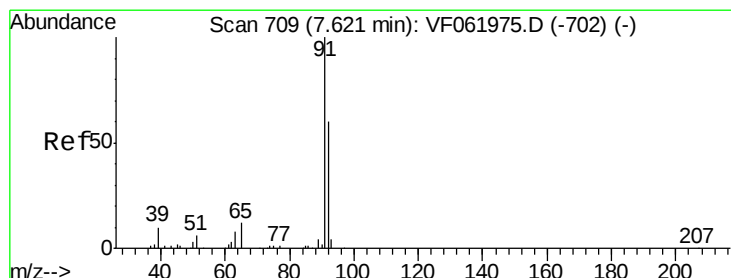
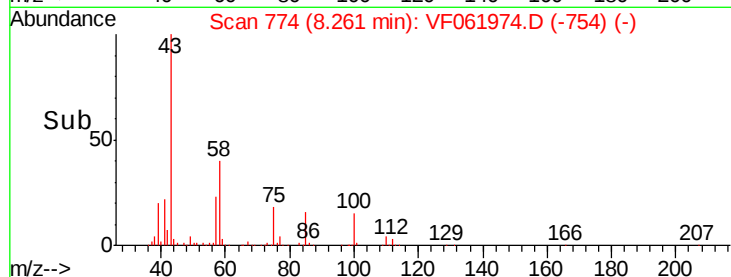
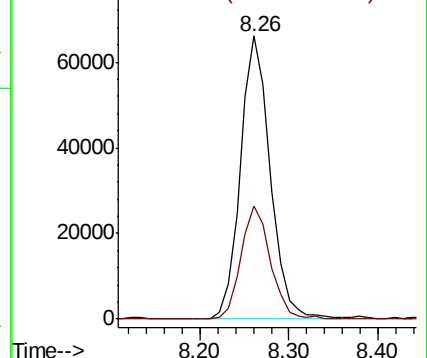
43 100

58 40.1 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.594 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061974.D

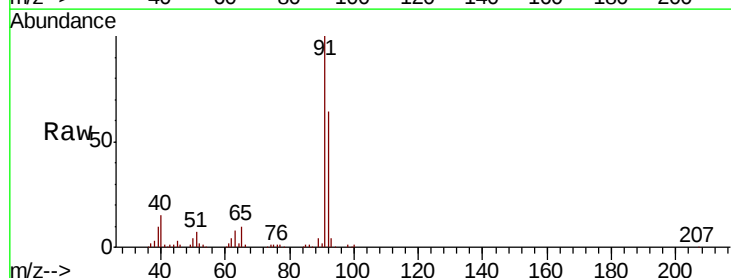
Acq: 16 Mar 2019 11:39

Tgt Ion: 92 Resp: 137907

Ion Ratio Lower Upper

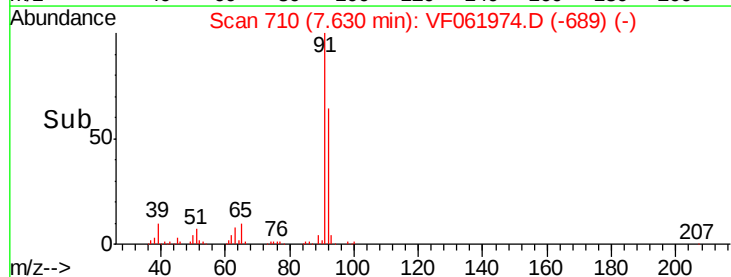
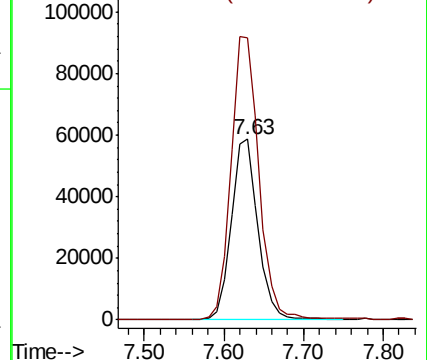
92 100

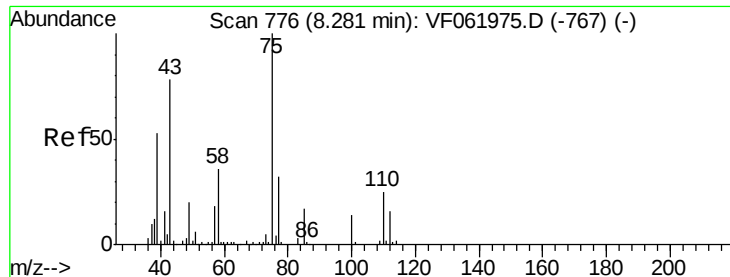
91 156.4 134.0 201.0



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: 22.284 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

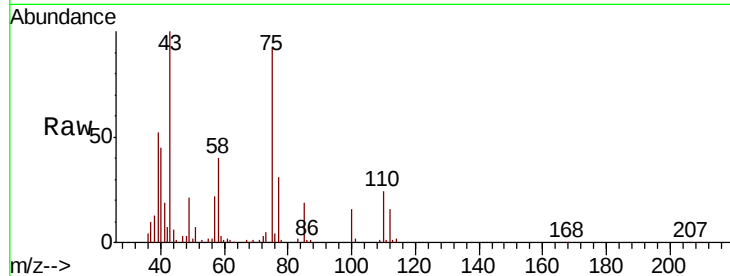
VSTDIC020

Tgt Ion: 75 Resp: 62376

Ion Ratio Lower Upper

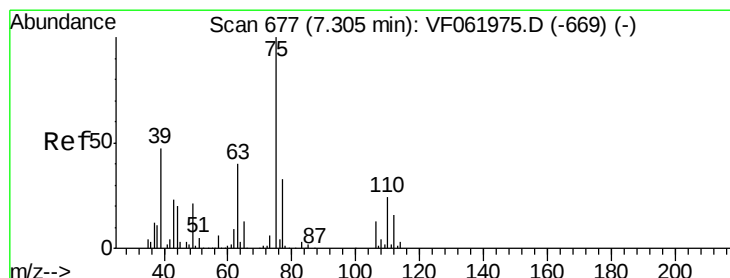
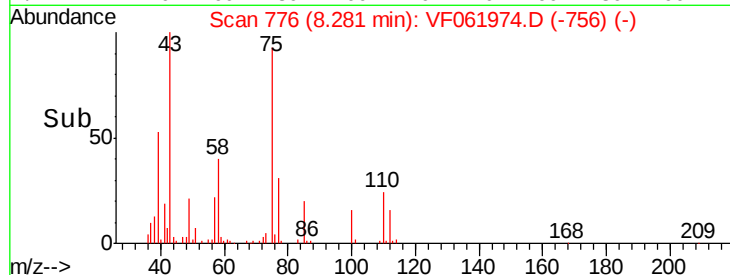
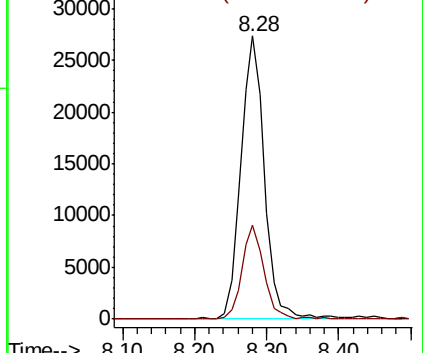
75 100

77 33.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.051 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

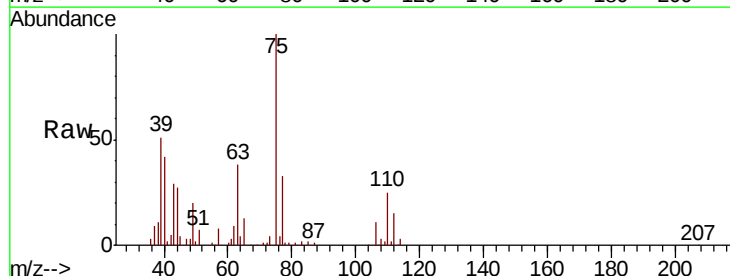
Tgt Ion: 75 Resp: 80538

Ion Ratio Lower Upper

75 100

77 33.3 26.4 39.6

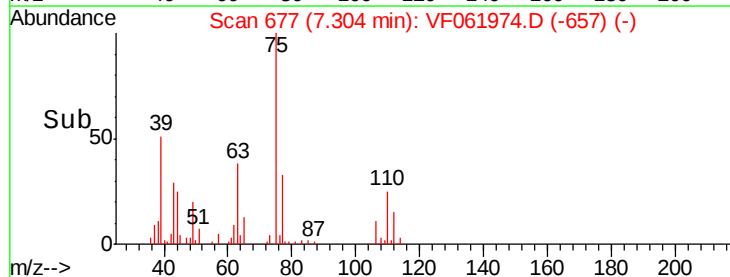
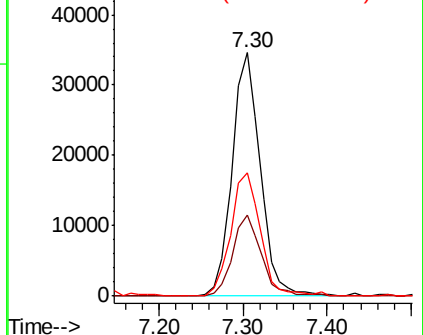
39 50.9 38.0 57.0

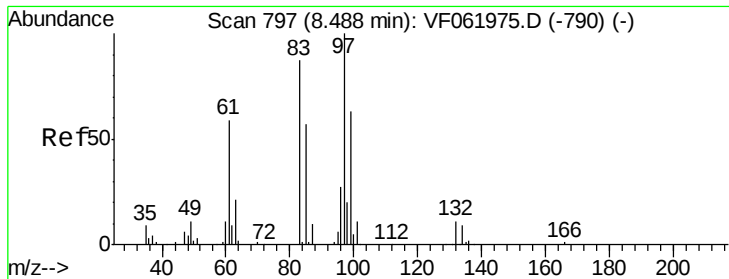


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.563 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 36733

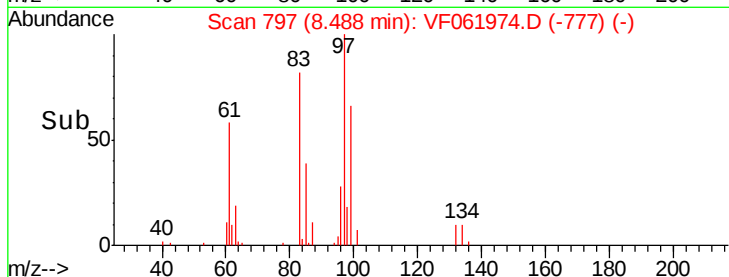
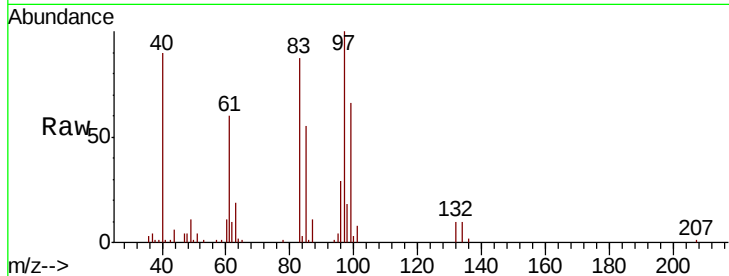
Ion Ratio Lower Upper

97 100

83 86.9 69.7 104.5

85 54.7 45.8 68.6

99 66.2 50.3 75.5

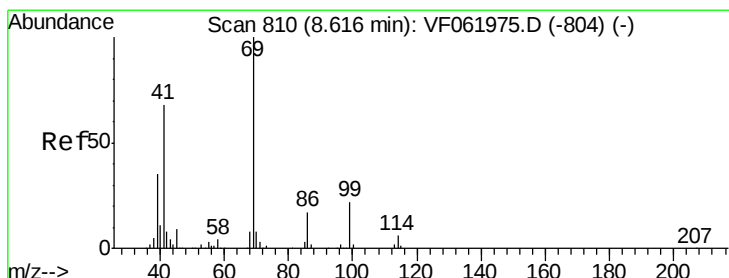
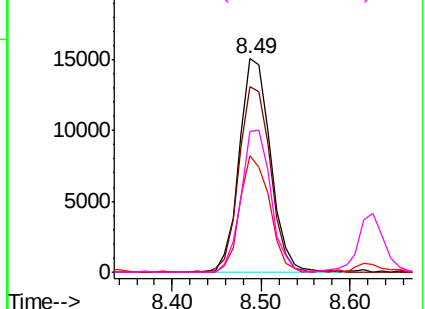


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.144 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

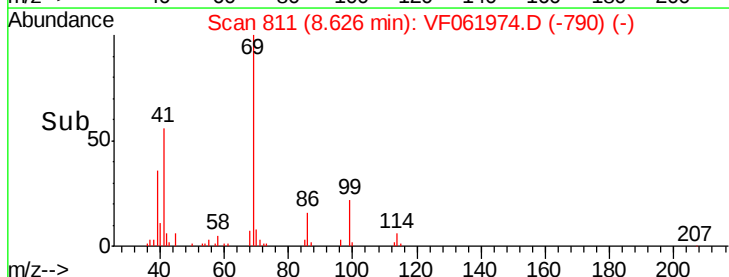
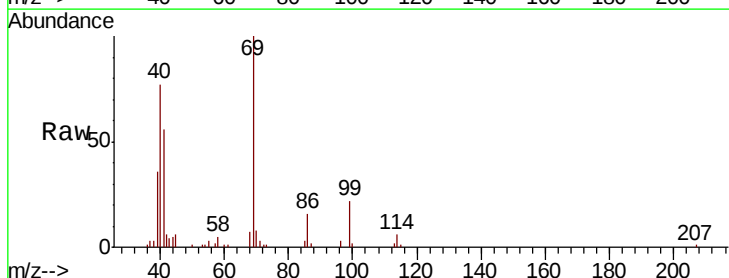
Tgt Ion: 69 Resp: 42883

Ion Ratio Lower Upper

69 100

41 56.2 54.7 82.1

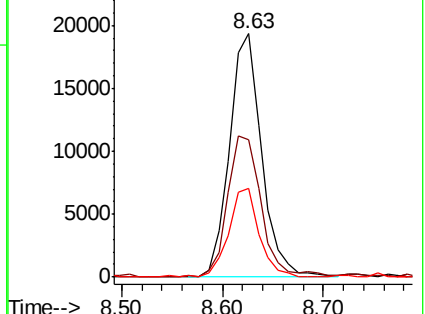
39 36.4 27.9 41.9

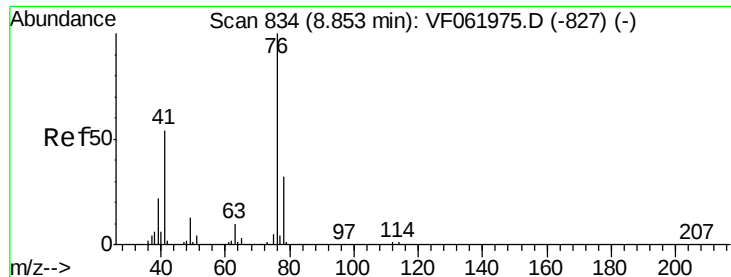


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

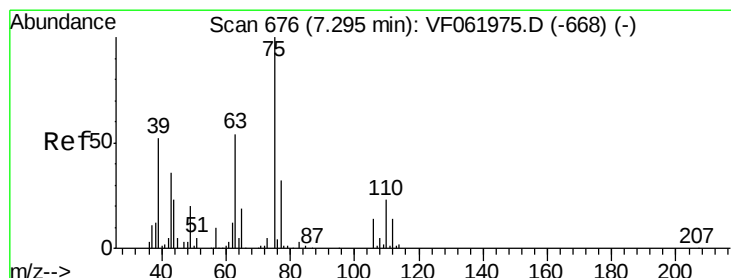
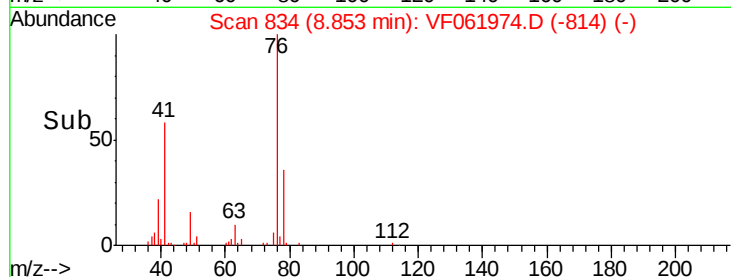
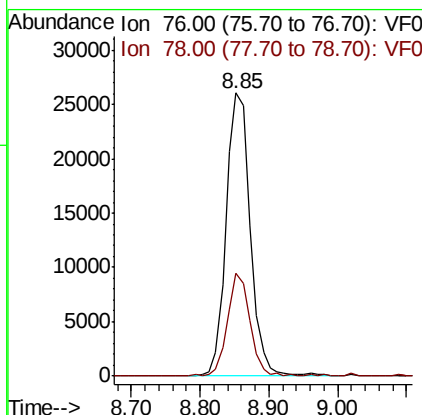
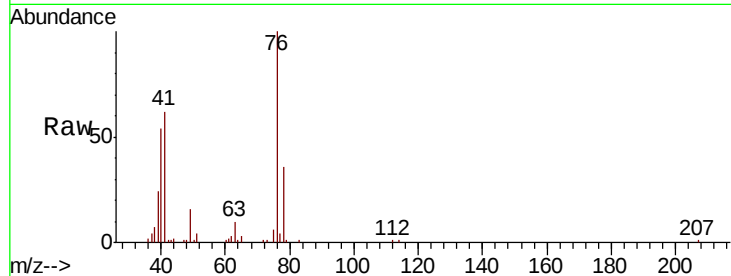




#57
 1,3-Dichloropropane
 Concen: 22.171 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

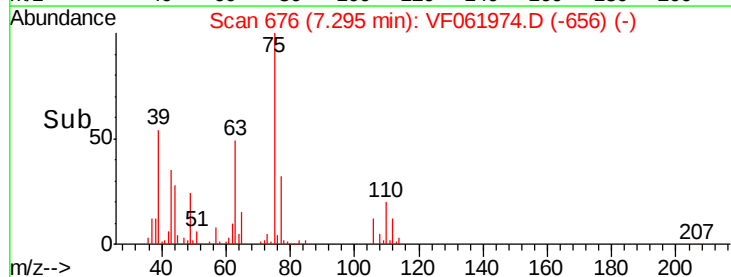
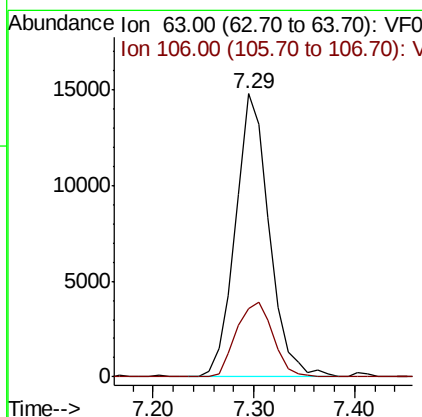
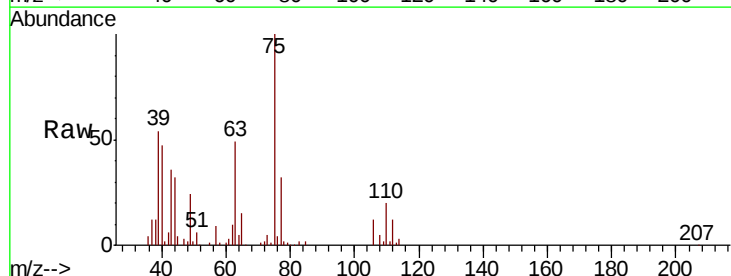
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

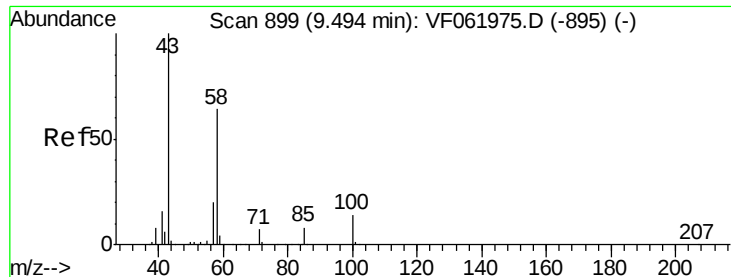
Tgt Ion: 76 Resp: 63002
 Ion Ratio Lower Upper
 76 100
 78 36.3 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.225 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion: 63 Resp: 34453
 Ion Ratio Lower Upper
 63 100
 106 24.0 20.9 31.3

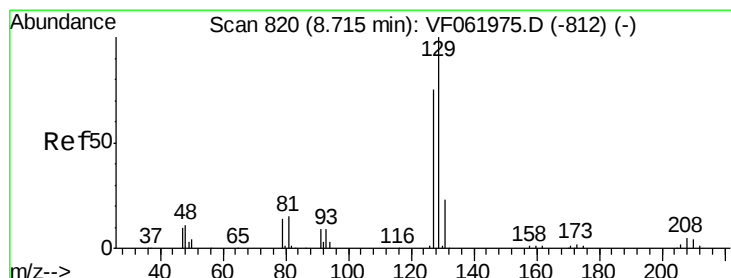
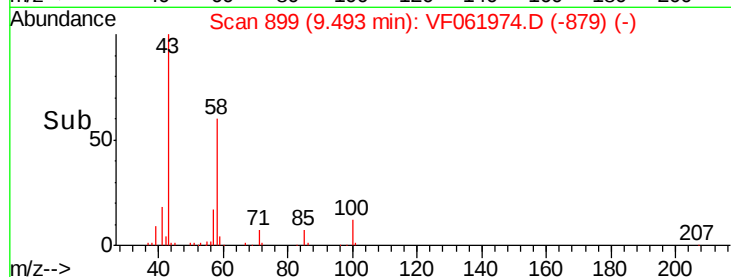
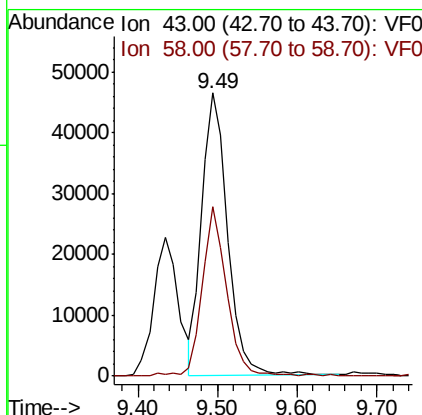
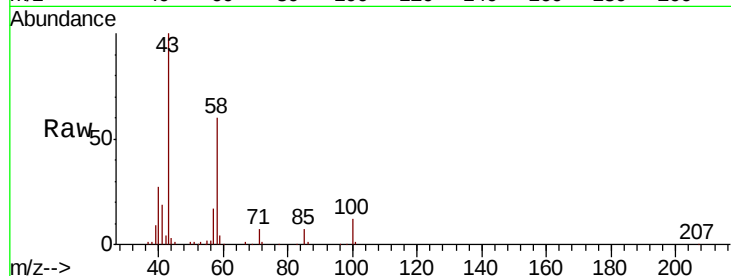




#59
2-Hexanone
Concen: 102.036 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

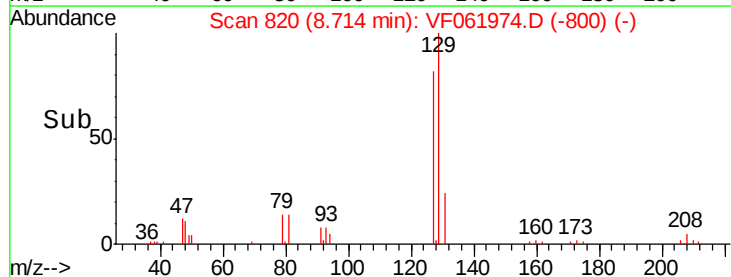
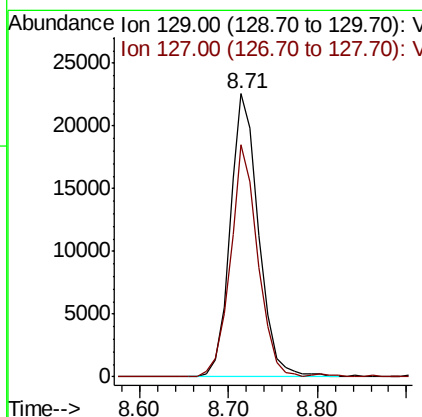
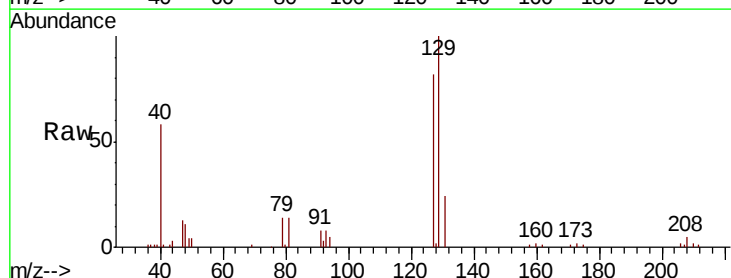
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

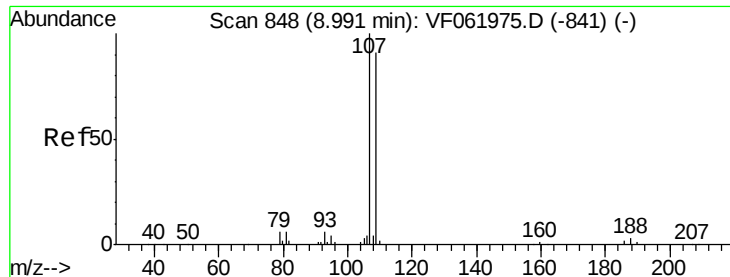
Tgt Ion: 43 Resp: 104472
Ion Ratio Lower Upper
43 100
58 59.8 28.4 85.2



#60
Dibromochloromethane
Concen: 21.276 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 129 Resp: 50316
Ion Ratio Lower Upper
129 100
127 82.0 37.3 111.8





#61

1,2-Dibromoethane

Concen: 21.655 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

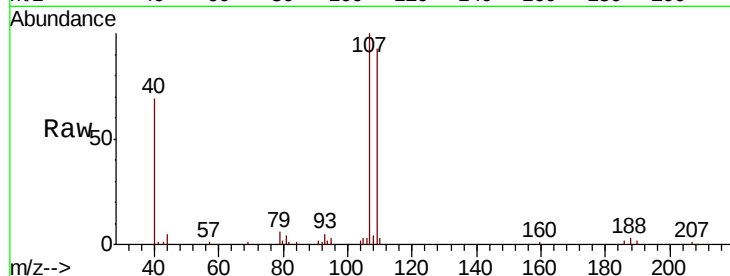
VSTDIC020

Tgt Ion: 107 Resp: 39570

Ion Ratio Lower Upper

107 100

109 93.4 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

20000

15000

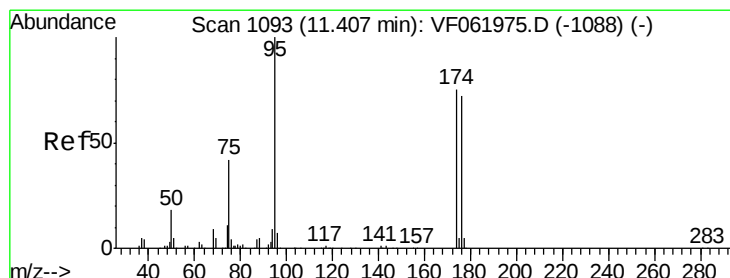
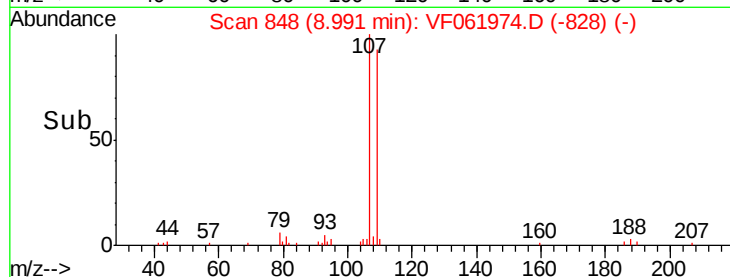
10000

5000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 21.040 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

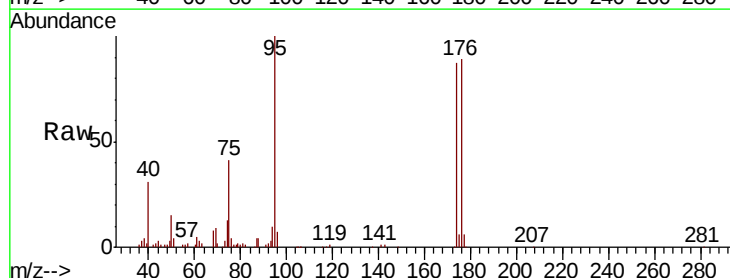
Tgt Ion: 95 Resp: 68502

Ion Ratio Lower Upper

95 100

174 87.2 0.0 149.4

176 88.8 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

50000

40000

30000

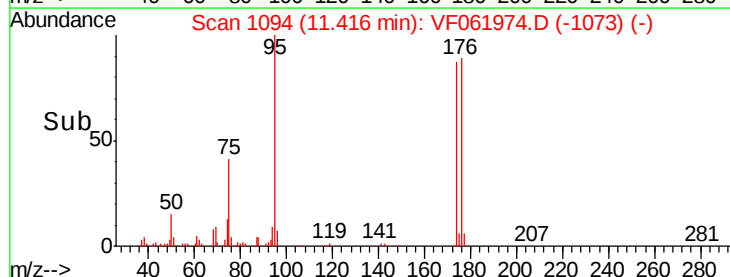
20000

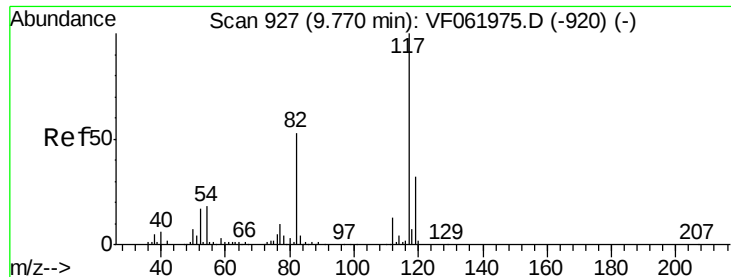
10000

0

11.30 11.40 11.50

Time-->

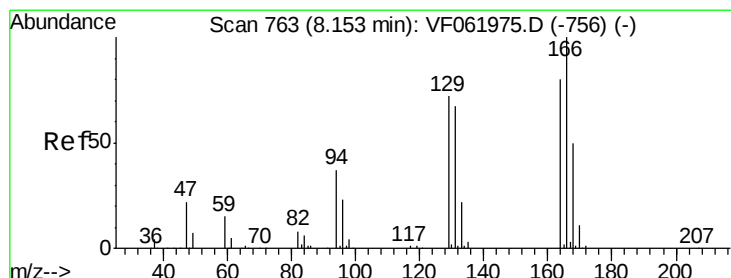
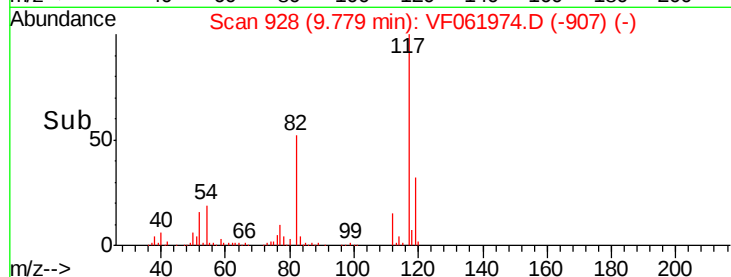
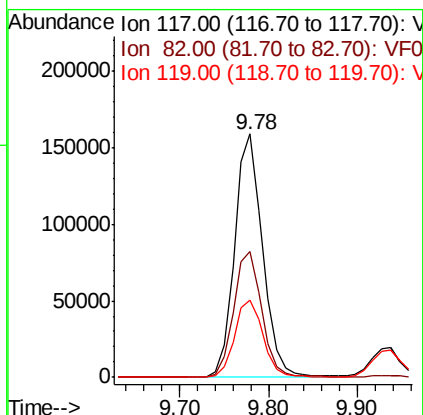
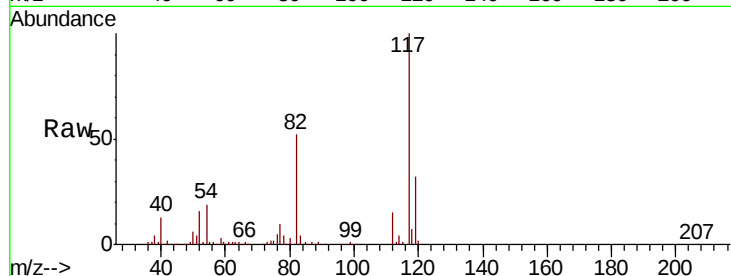




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

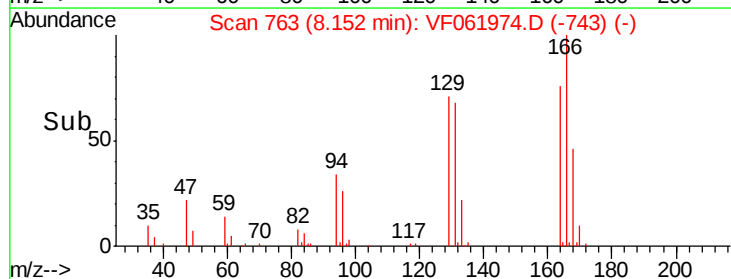
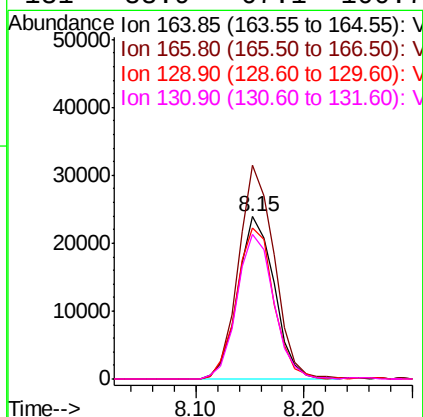
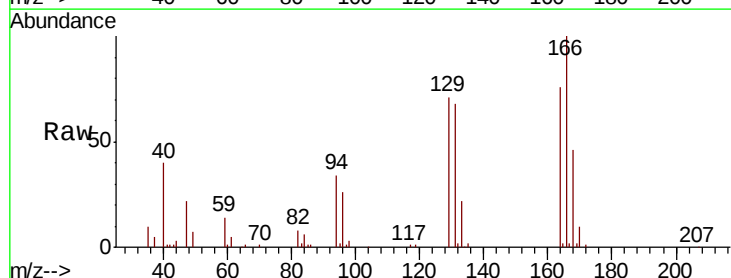
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

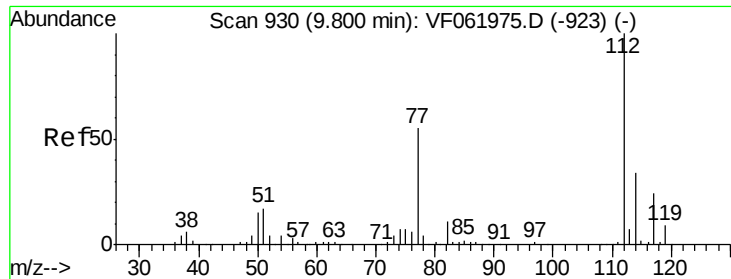
Tgt Ion:117 Resp: 348559
Ion Ratio Lower Upper
117 100
82 51.8 42.5 63.7
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 22.170 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion:164 Resp: 56171
Ion Ratio Lower Upper
164 100
166 131.5 100.0 150.0
129 92.9 72.4 108.6
131 88.9 67.1 100.7

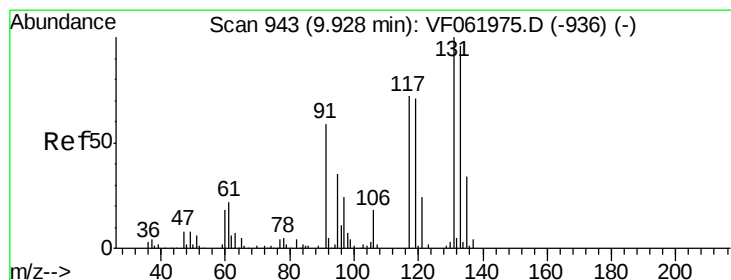
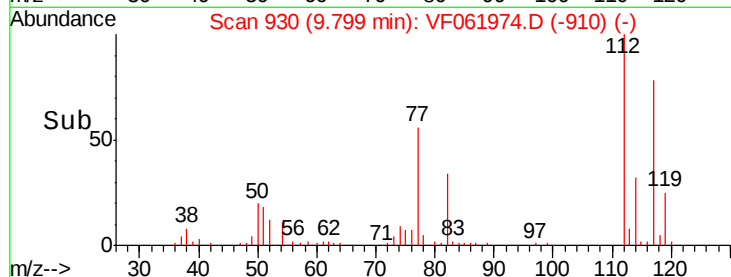
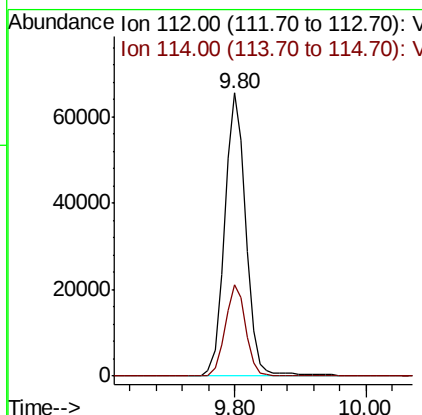
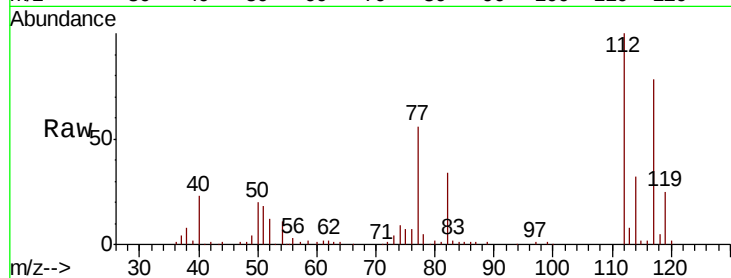




#65
Chlorobenzene
Concen: 22.779 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

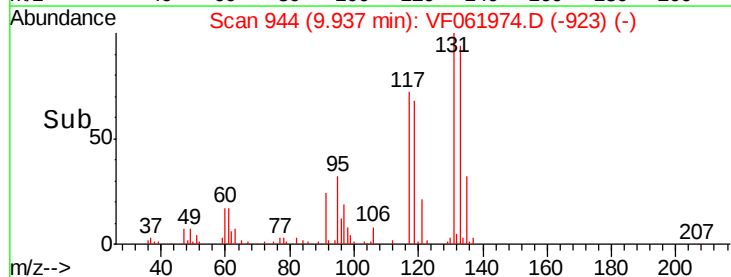
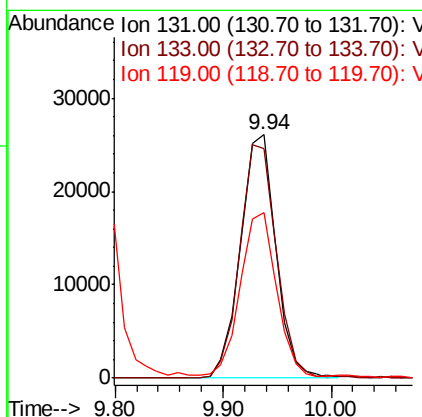
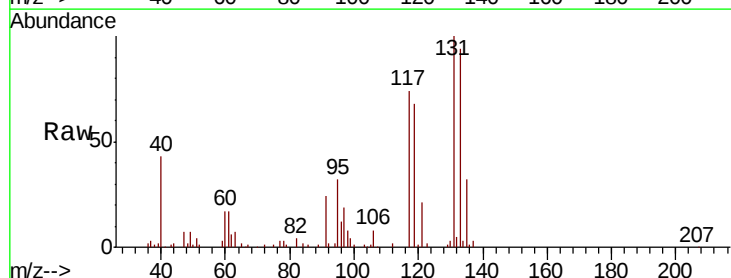
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

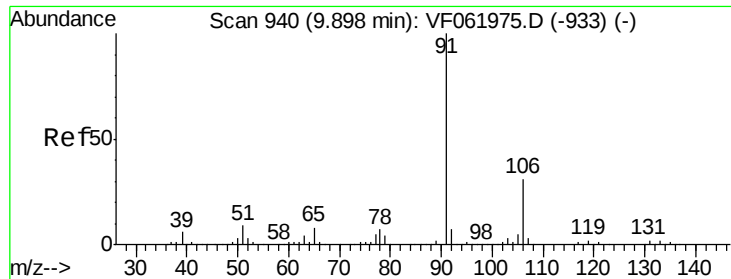
Tgt Ion:112 Resp: 147824
Ion Ratio Lower Upper
112 100
114 32.4 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 23.580 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion:131 Resp: 59314
Ion Ratio Lower Upper
131 100
133 94.4 48.0 144.2
119 67.8 35.9 107.7

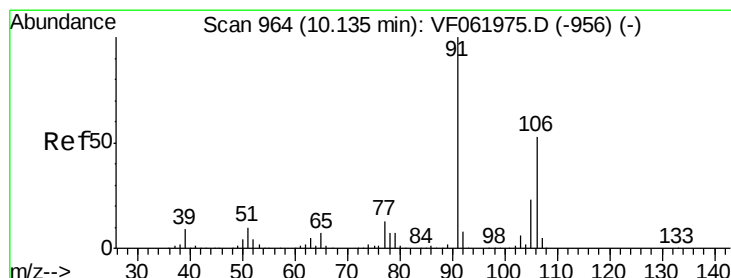
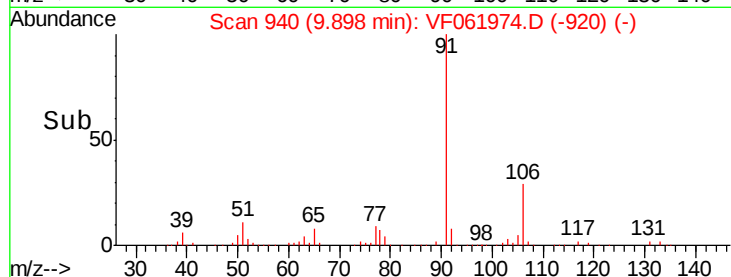
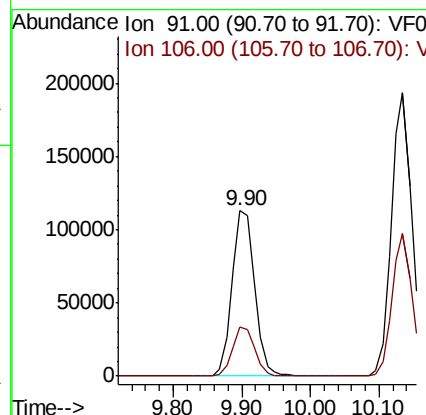
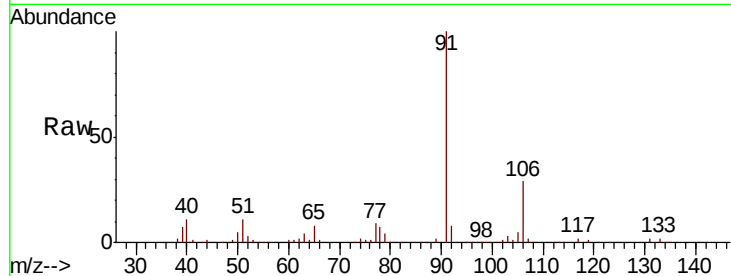




#67
Ethyl Benzene
Concen: 23.320 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

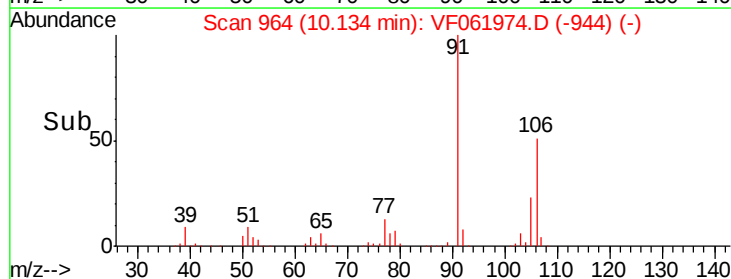
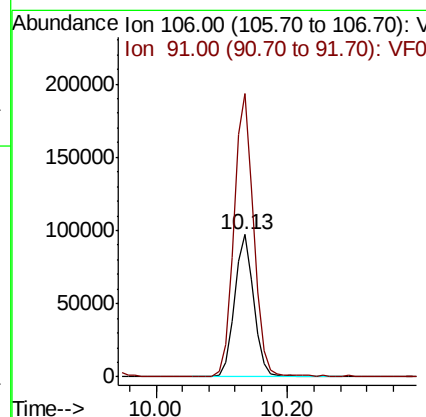
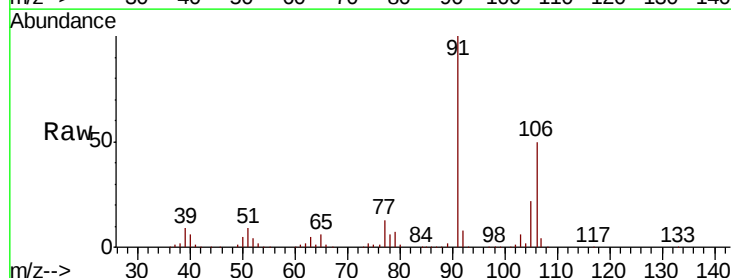
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

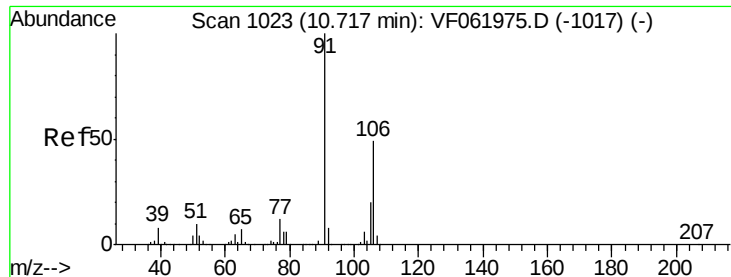
Tgt Ion: 91 Resp: 259152
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6



#68
m/p-Xylenes
Concen: 48.036 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 106 Resp: 200748
Ion Ratio Lower Upper
106 100
91 198.6 151.9 227.9

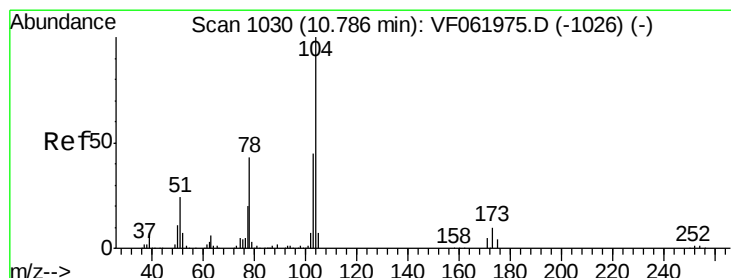
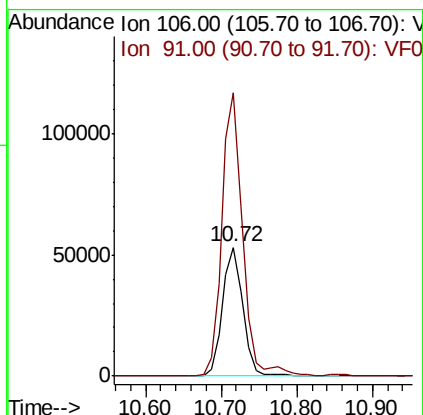
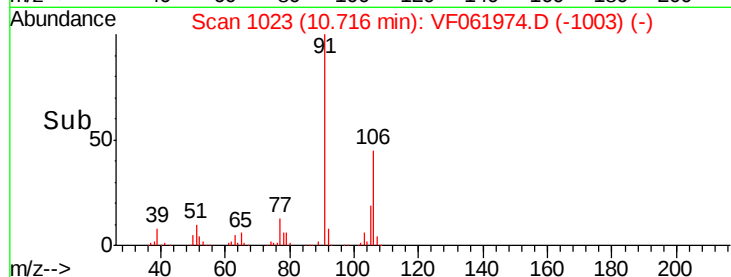
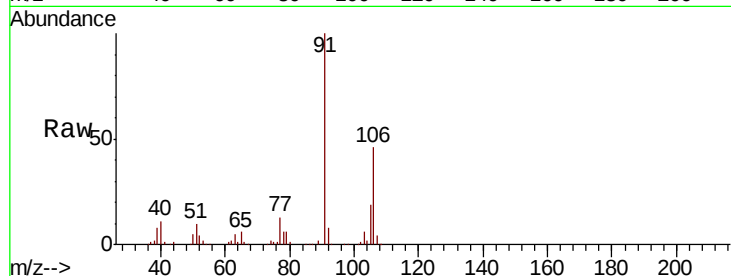




#69
o-Xylene
Concen: 22.288 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

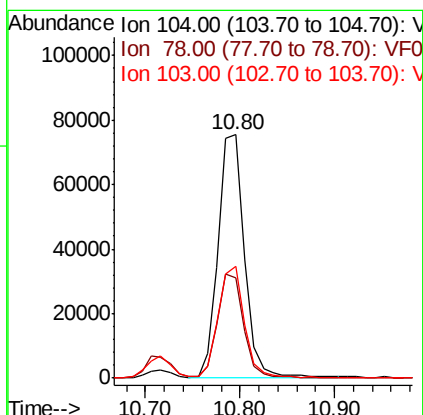
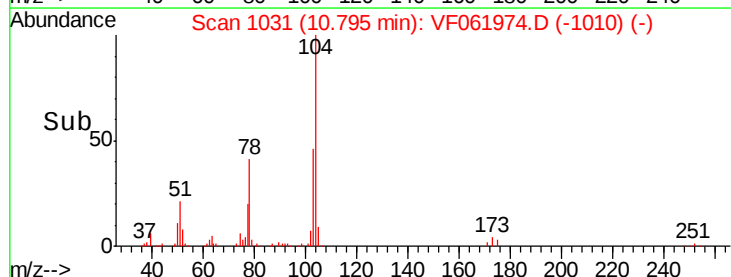
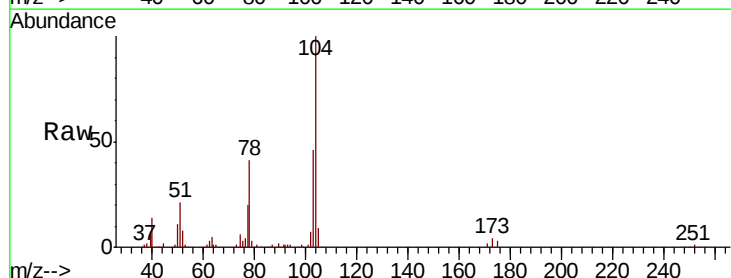
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 99668
Ion Ratio Lower Upper
106 100
91 219.7 102.3 306.8



#70
Styrene
Concen: 23.485 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion:104 Resp: 145496
Ion Ratio Lower Upper
104 100
78 41.4 34.7 52.1
103 45.9 36.6 54.8





#71

Bromoform

Concen: 20.934 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

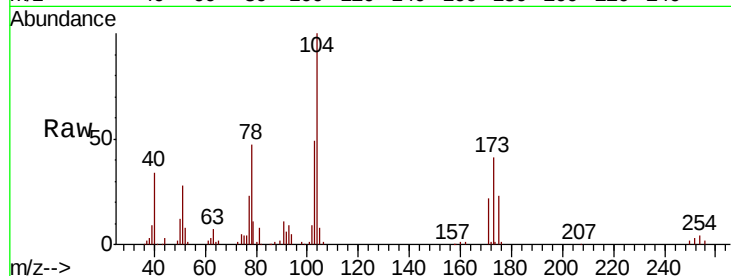
Tgt Ion:173 Resp: 26636

Ion Ratio Lower Upper

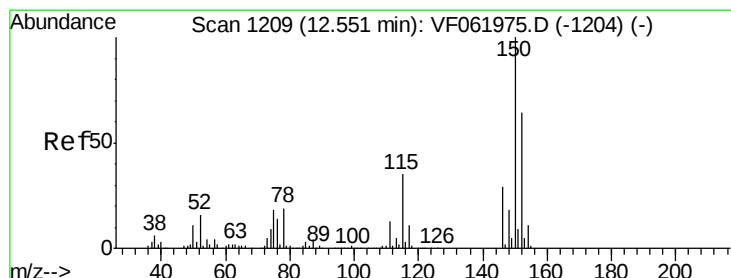
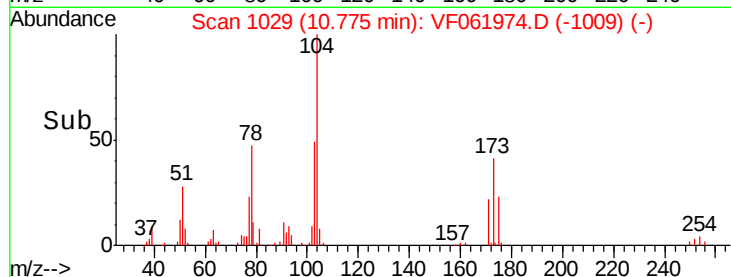
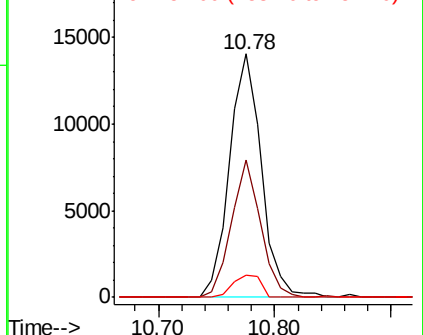
173 100

175 56.5 23.7 71.1

254 9.1 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: VF061974.D

Acq: 16 Mar 2019 11:39

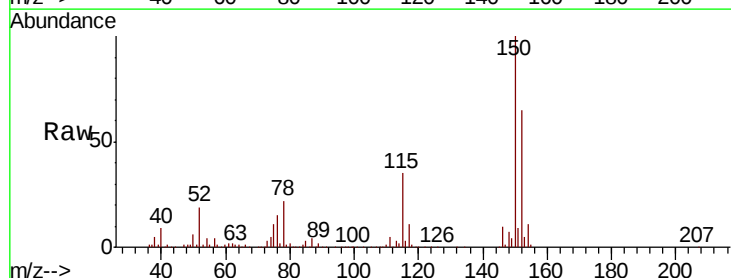
Tgt Ion:152 Resp: 188827

Ion Ratio Lower Upper

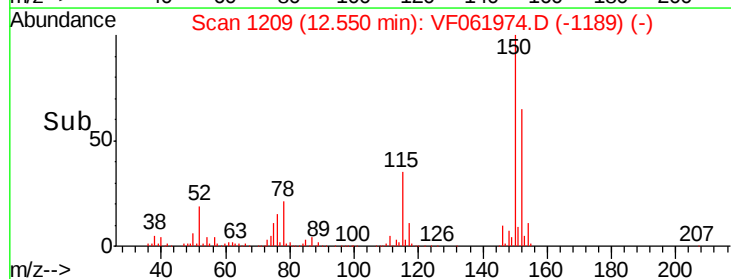
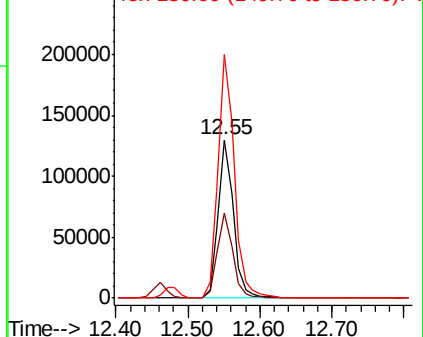
152 100

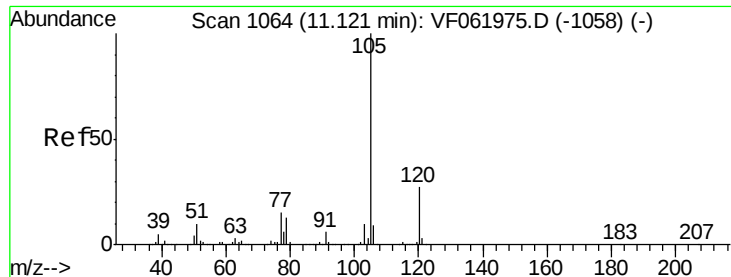
115 53.9 27.3 81.9

150 154.0 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.291 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

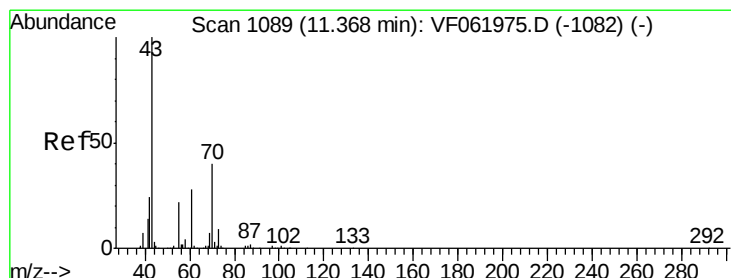
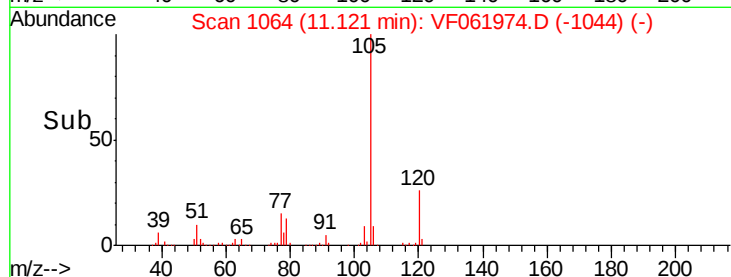
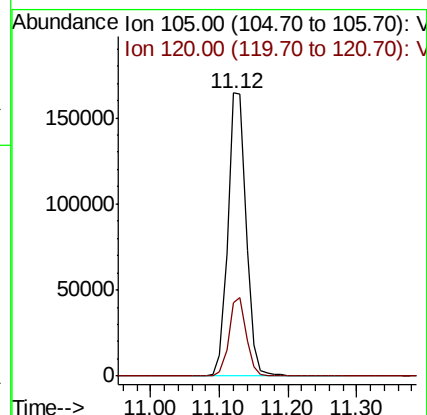
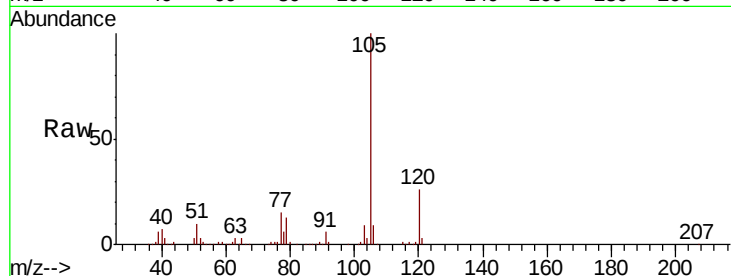
VSTDIC020

Tgt Ion: 105 Resp: 303833

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



#74

N-ethyl acetate

Concen: 21.370 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Tgt Ion: 43 Resp: 63877

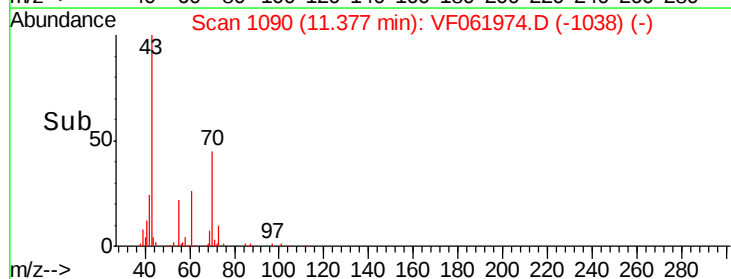
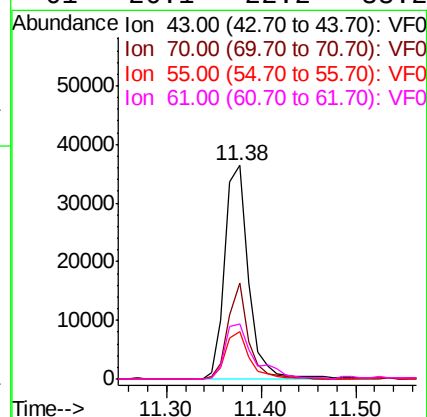
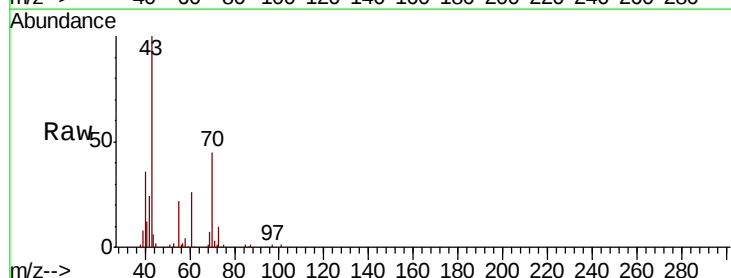
Ion Ratio Lower Upper

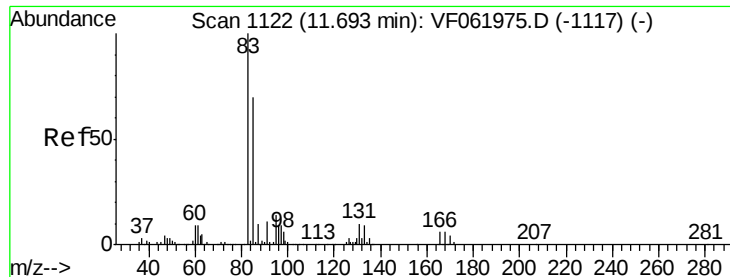
43 100

70 44.7 31.9 47.9

55 22.5 17.9 26.9

61 26.1 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.710 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

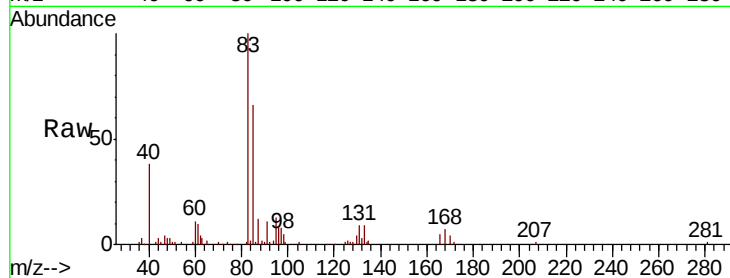
Tgt Ion: 83 Resp: 46748

Ion Ratio Lower Upper

83 100

131 8.7 4.9 14.7

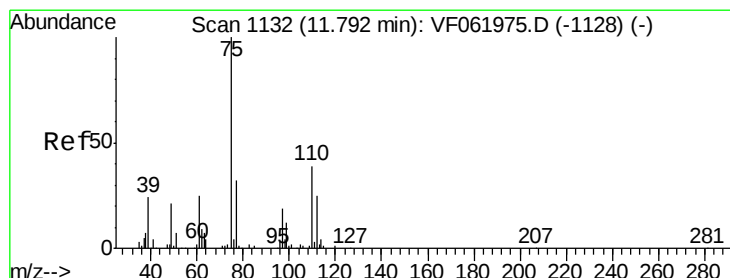
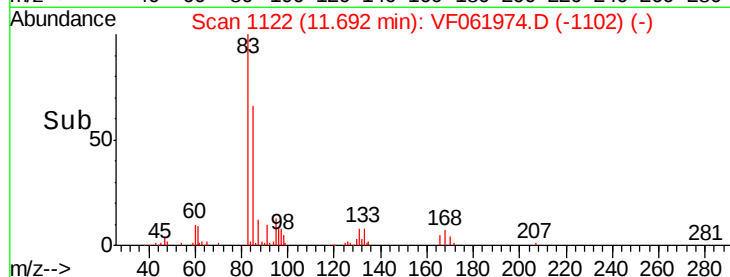
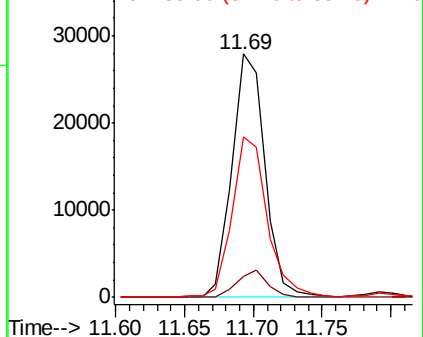
85 65.7 35.3 105.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.300 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061974.D

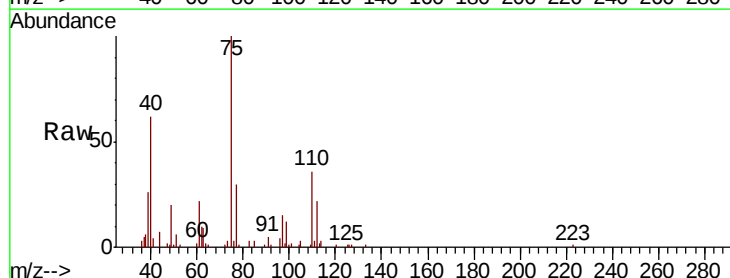
Acq: 16 Mar 2019 11:39

Tgt Ion: 75 Resp: 32072

Ion Ratio Lower Upper

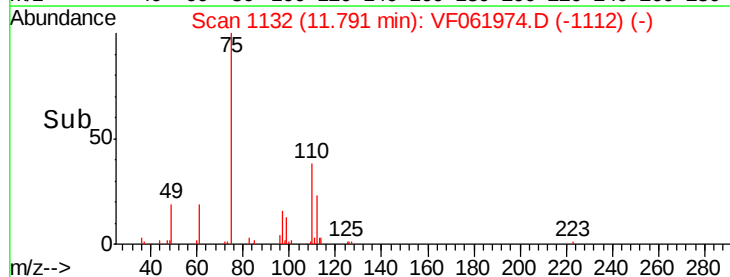
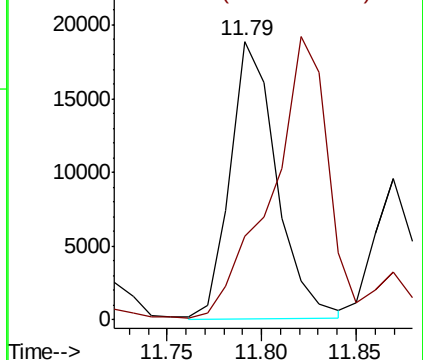
75 100

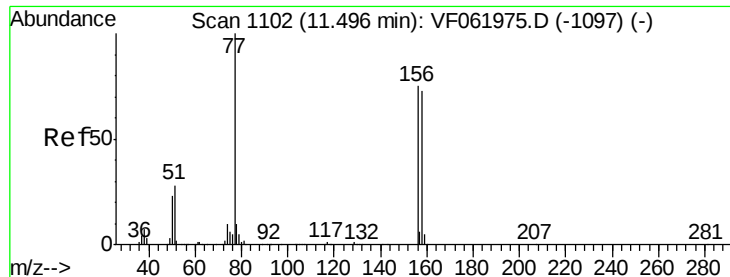
77 30.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.688 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

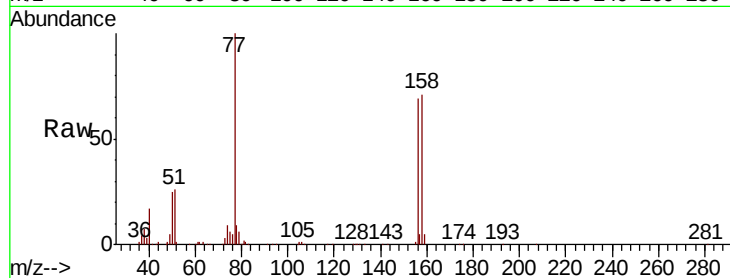
Tgt Ion: 156 Resp: 68543

Ion Ratio Lower Upper

156 100

77 144.5 67.0 201.0

158 103.0 48.9 146.7

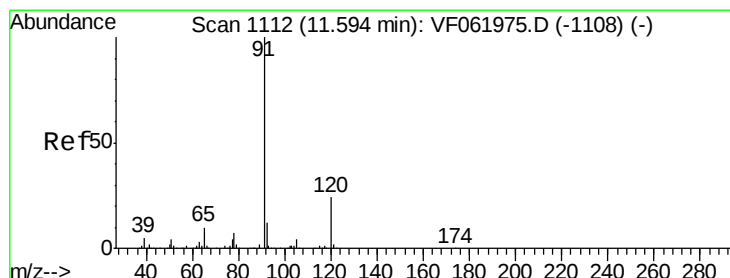
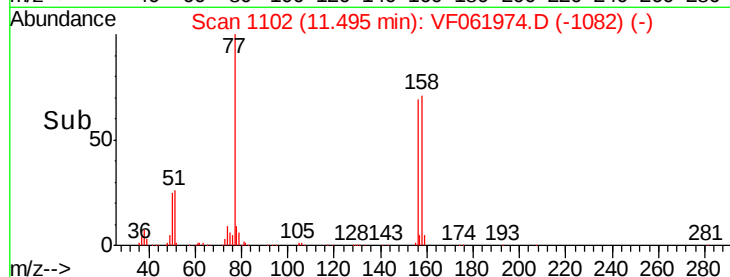
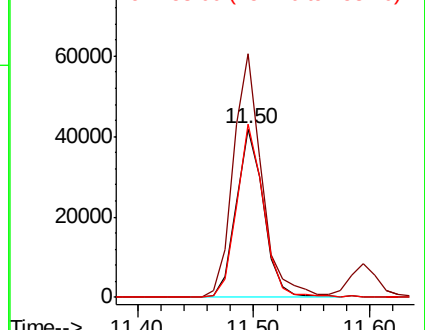


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.588 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061974.D

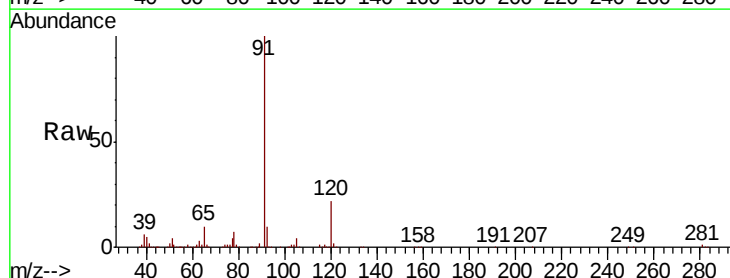
Acq: 16 Mar 2019 11:39

Tgt Ion: 91 Resp: 353825

Ion Ratio Lower Upper

91 100

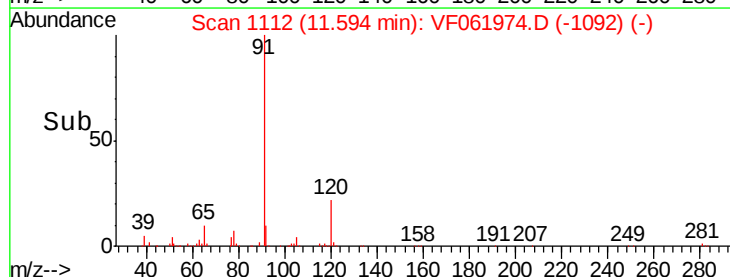
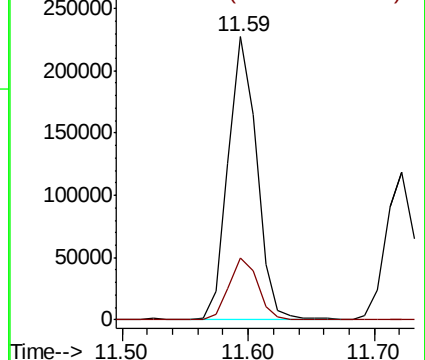
120 21.7 11.8 35.3

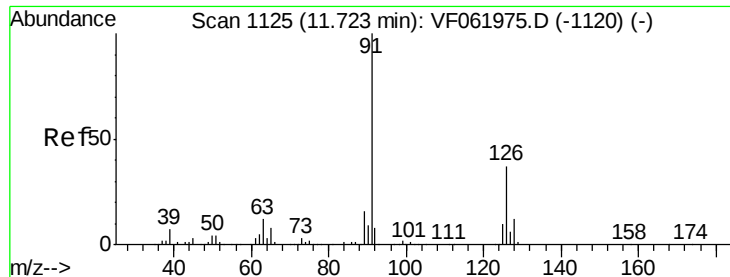


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.126 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061974.D

Acq: 16 Mar 2019 11:39

Instrument :

MSVOA_F

ClientSampleId :

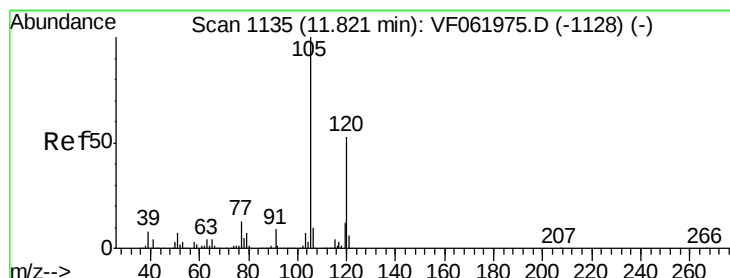
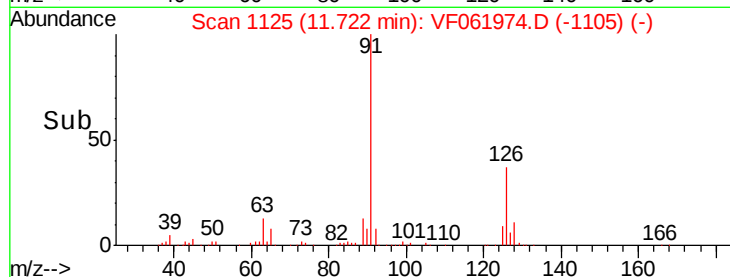
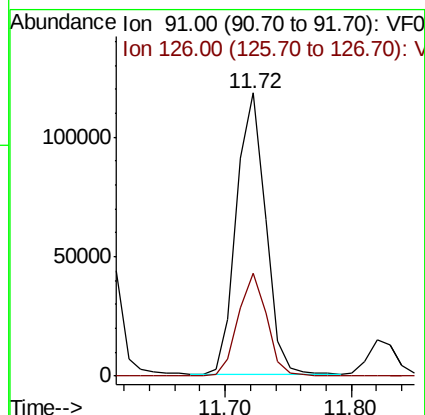
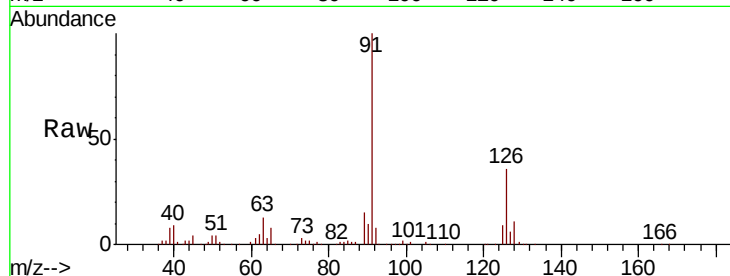
VSTDIC020

Tgt Ion: 91 Resp: 187337

Ion Ratio Lower Upper

91 100

126 36.3 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 22.896 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061974.D

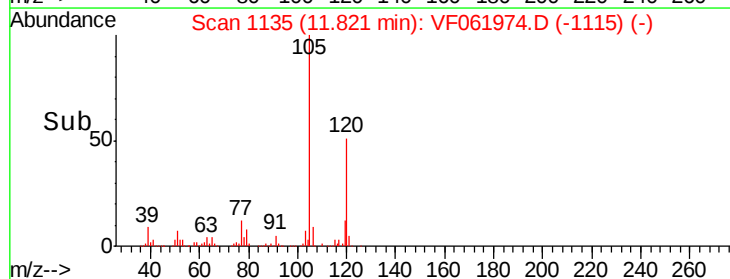
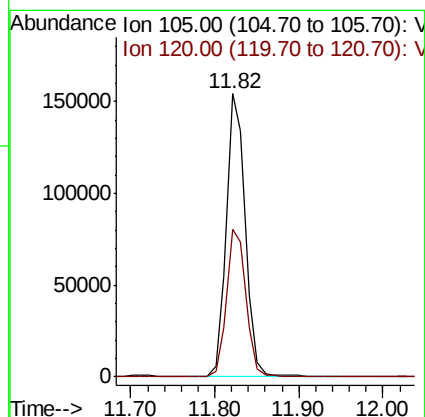
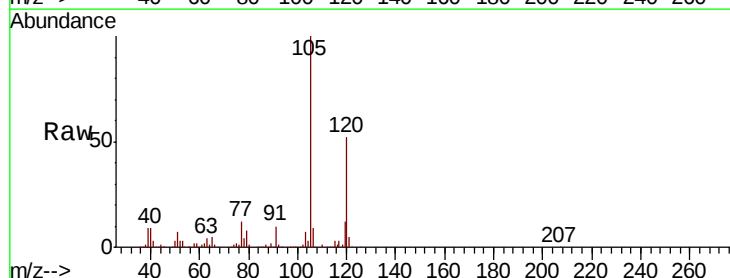
Acq: 16 Mar 2019 11:39

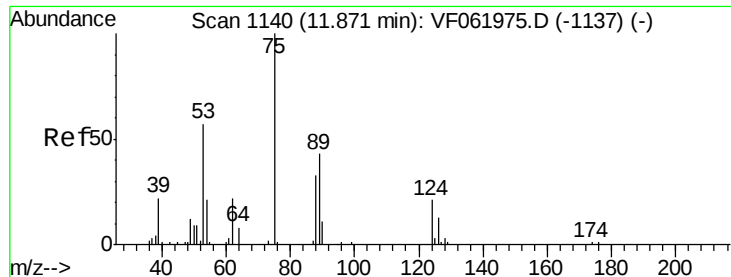
Tgt Ion: 105 Resp: 241278

Ion Ratio Lower Upper

105 100

120 52.1 26.6 79.7

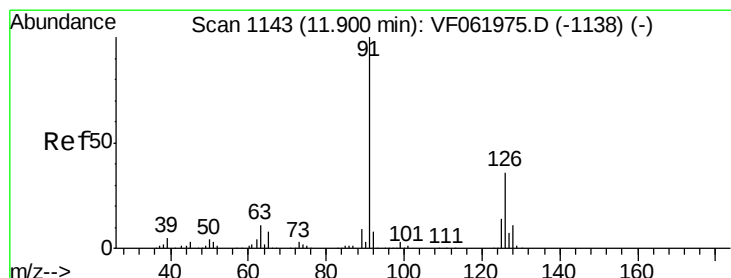
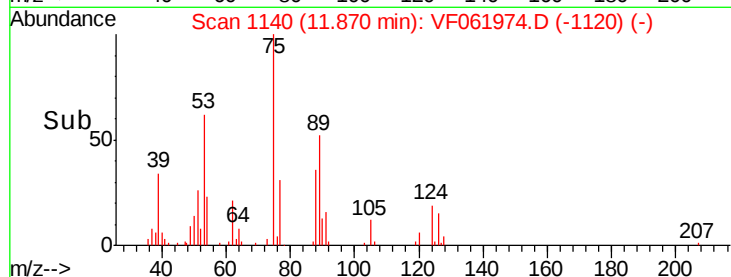
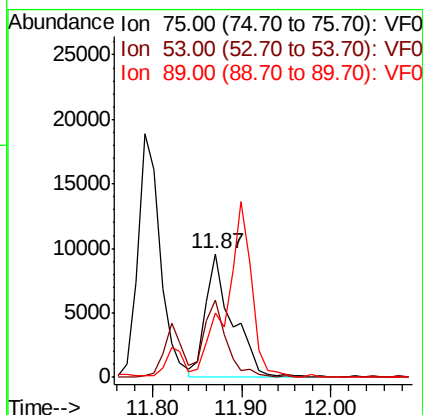
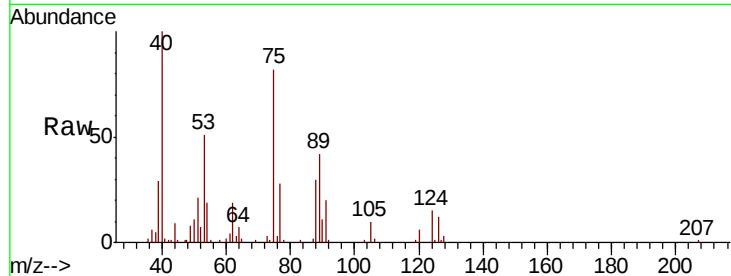




#81
trans-1,4-Dichloro-2-butene
Concen: 23.718 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

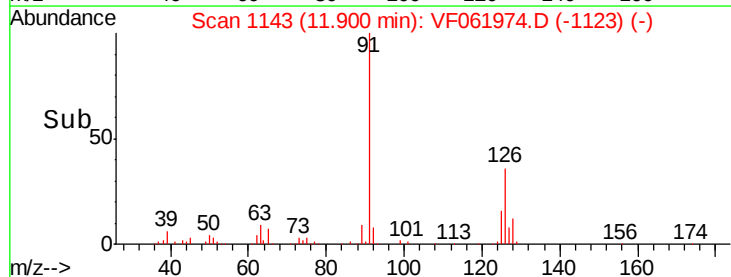
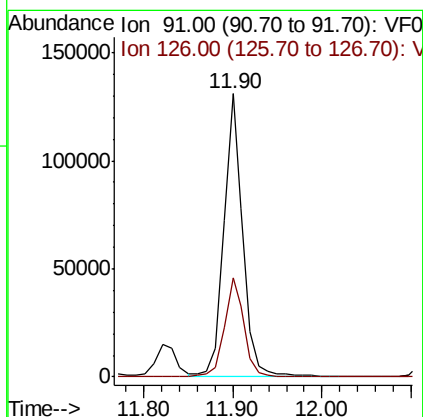
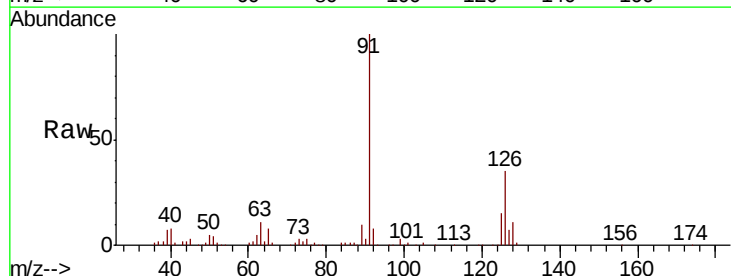
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

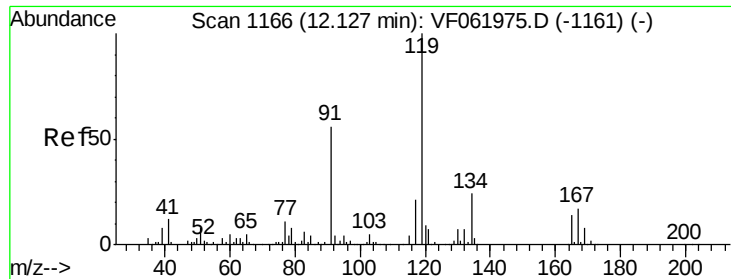
Tgt Ion: 75 Resp: 20115
Ion Ratio Lower Upper
75 100
53 62.4 49.0 73.6
89 52.0 37.1 55.7



#82
4-Chlorotoluene
Concen: 22.596 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 91 Resp: 193469
Ion Ratio Lower Upper
91 100
126 35.1 18.1 54.1

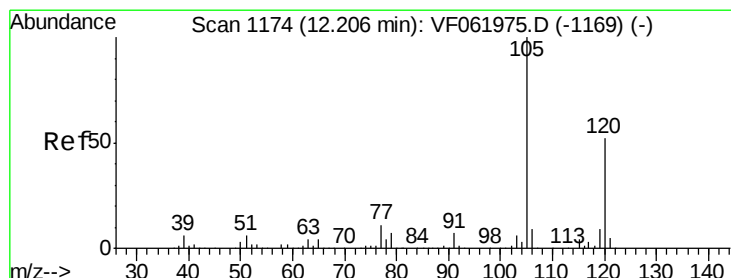
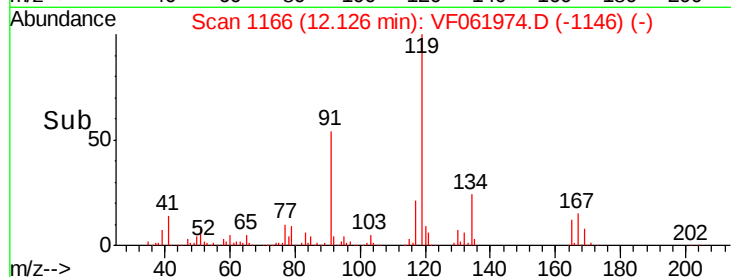
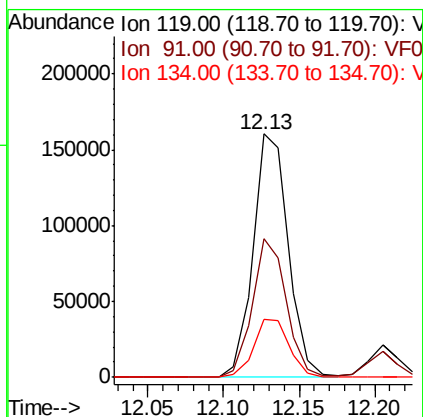
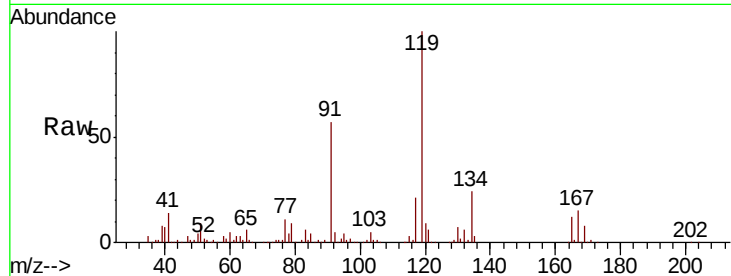




#83
 tert-Butylbenzene
 Concen: 23.602 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

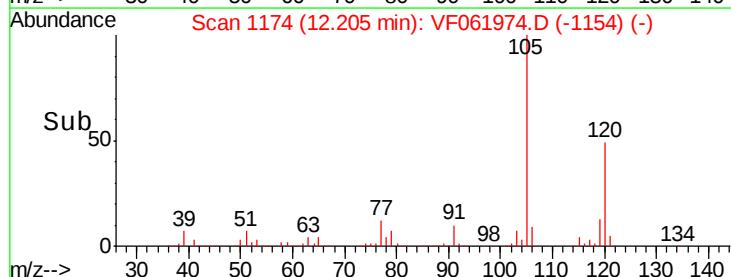
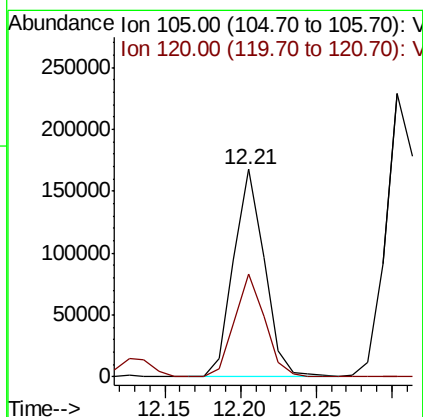
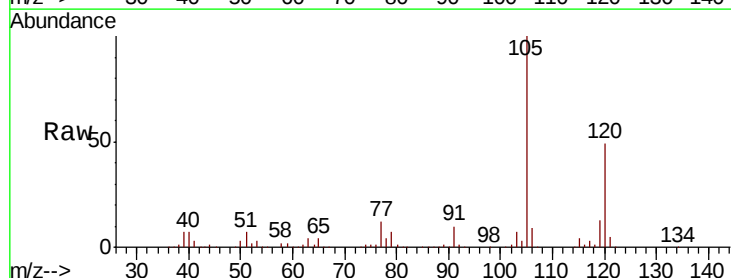
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

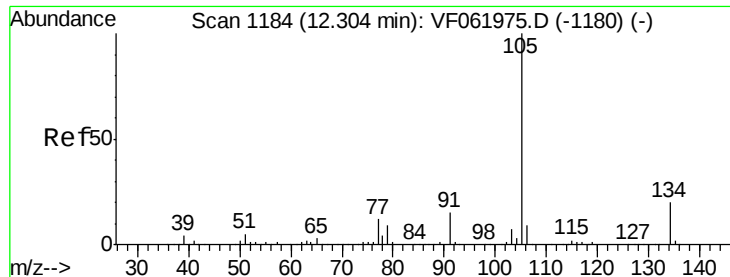
Tgt Ion:119 Resp: 260109
 Ion Ratio Lower Upper
 119 100
 91 56.8 27.9 83.6
 134 23.8 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.595 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion:105 Resp: 238490
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.9 77.8

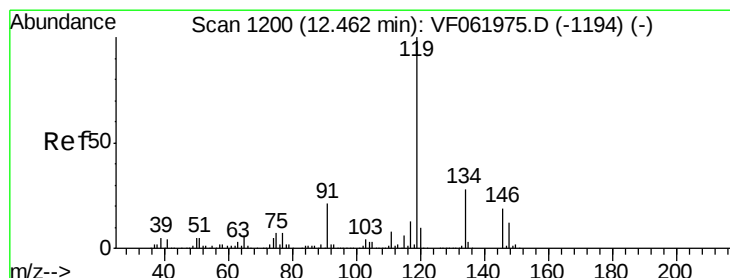
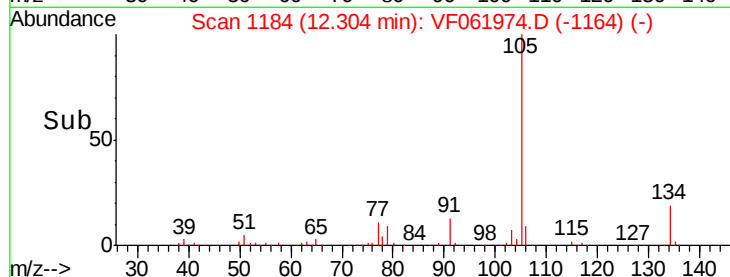
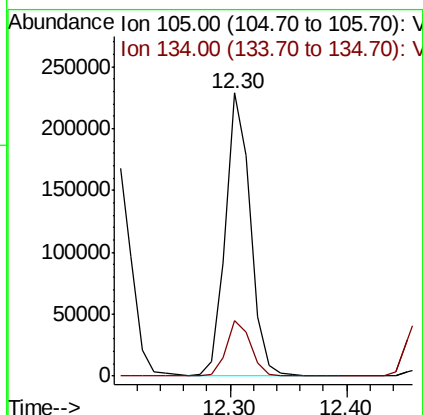
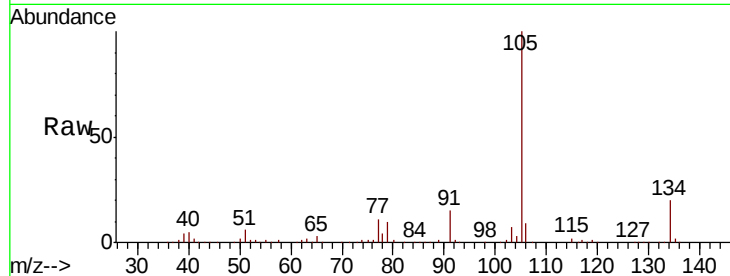




#85
 sec-Butylbenzene
 Concen: 22.726 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

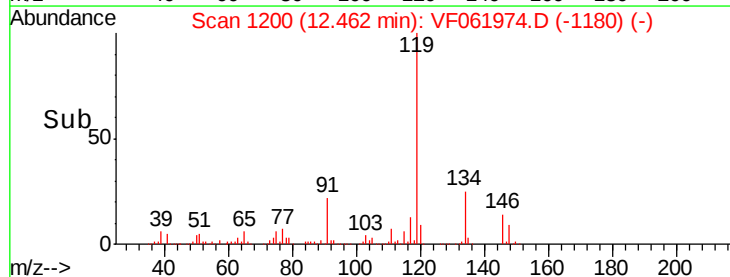
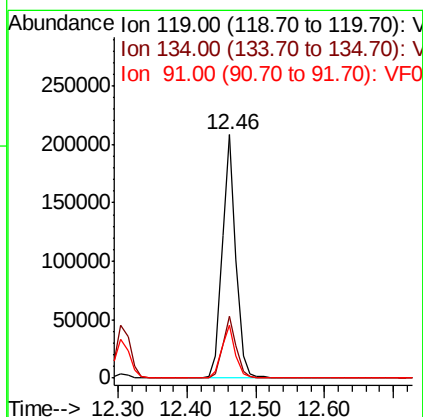
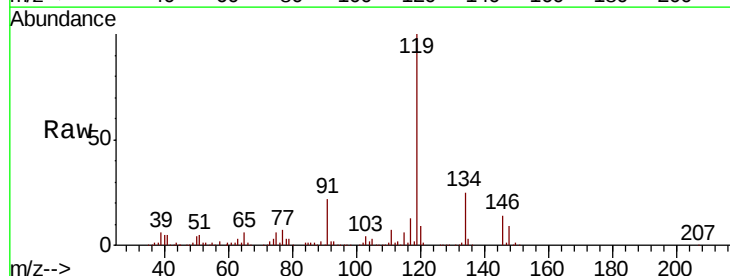
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

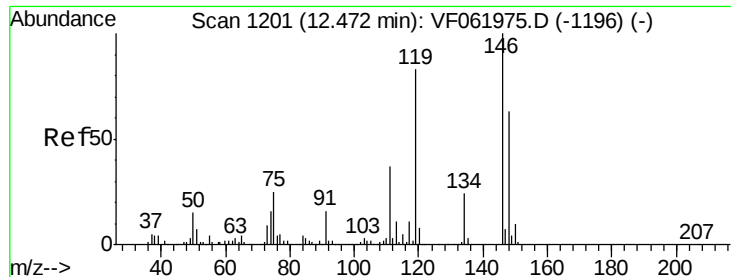
Tgt Ion:105 Resp: 338390
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 22.791 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion:119 Resp: 283163
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.9 41.7
 91 21.7 10.4 31.1

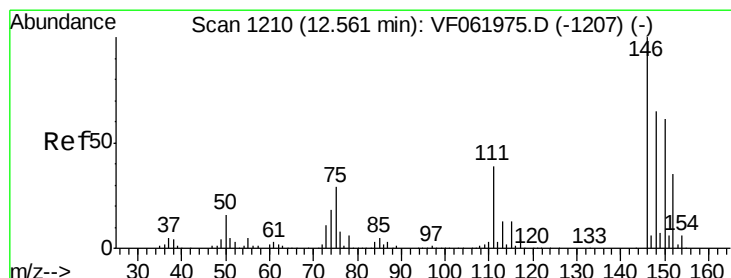
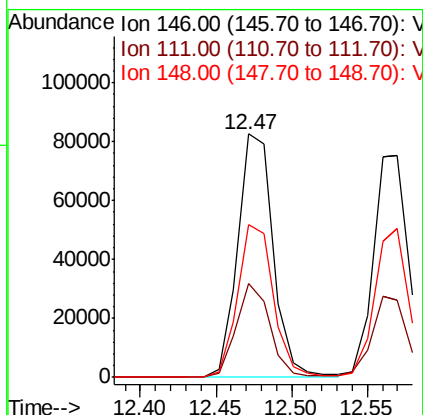
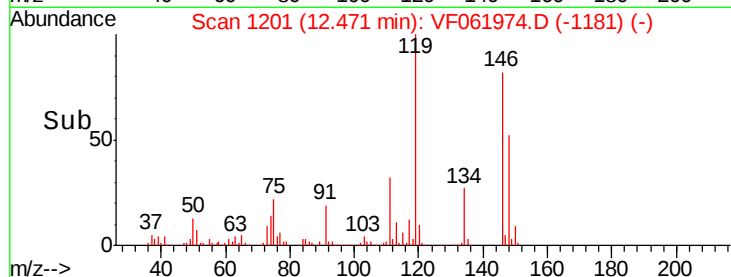
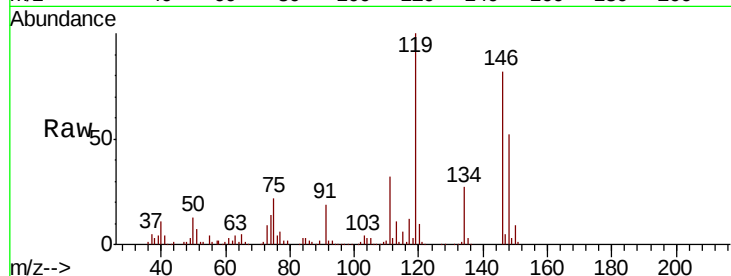




#87
 1,3-Dichlorobenzene
 Concen: 22.753 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

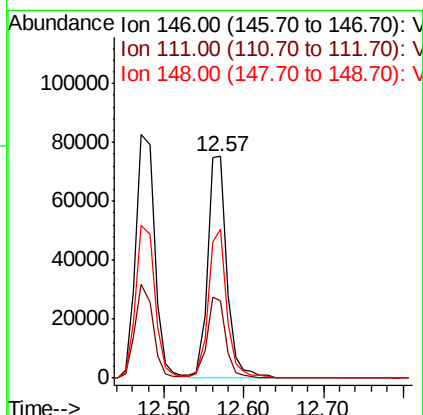
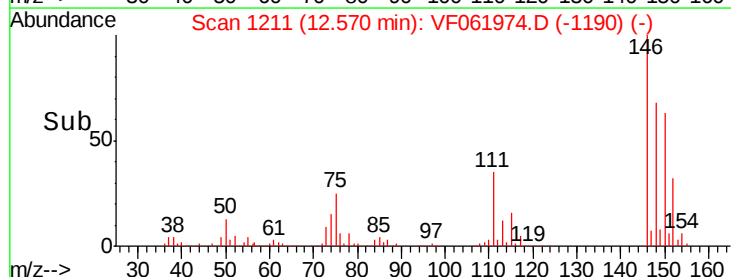
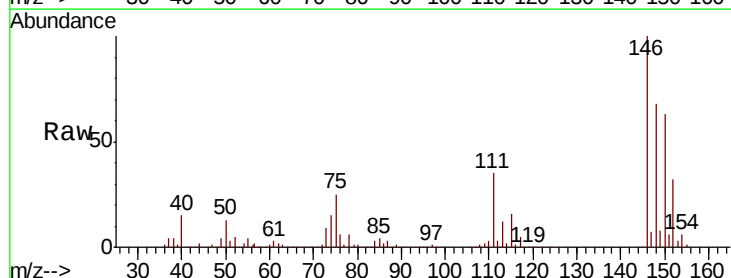
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

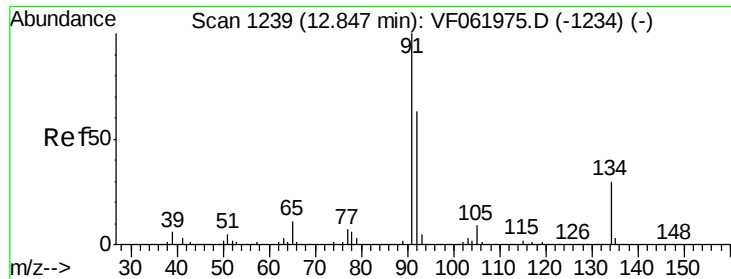
Tgt Ion:146 Resp: 135098
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.6 55.8
 148 62.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 22.495 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion:146 Resp: 128560
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.4 58.1
 148 67.5 32.4 97.0

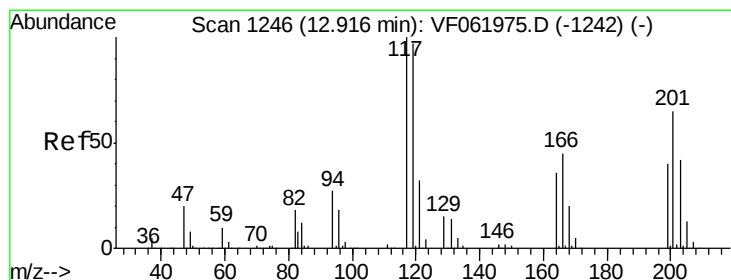
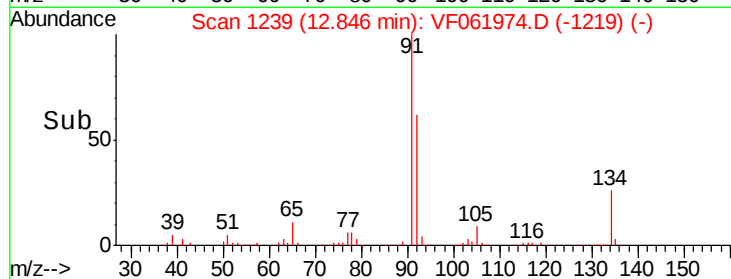
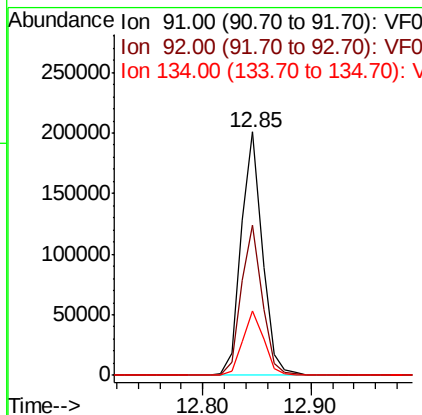
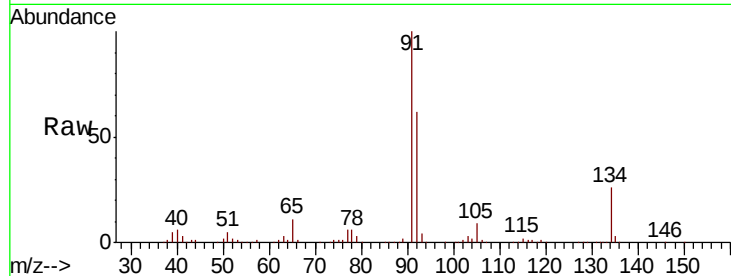




#89
n-Butylbenzene
Concen: 23.393 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

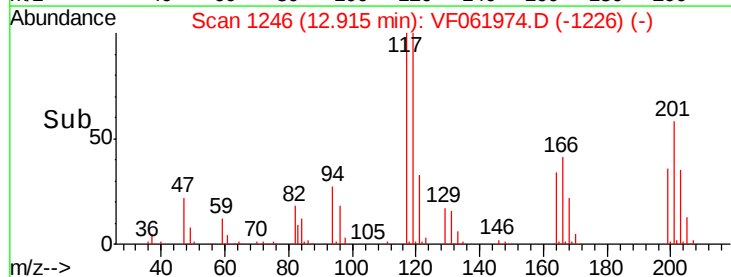
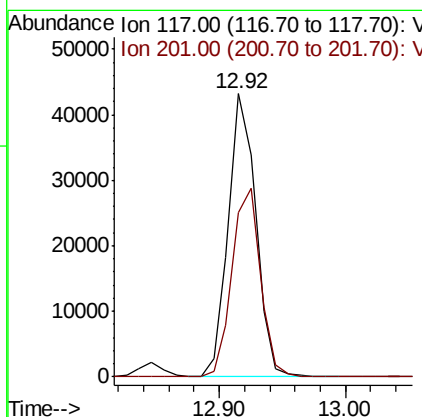
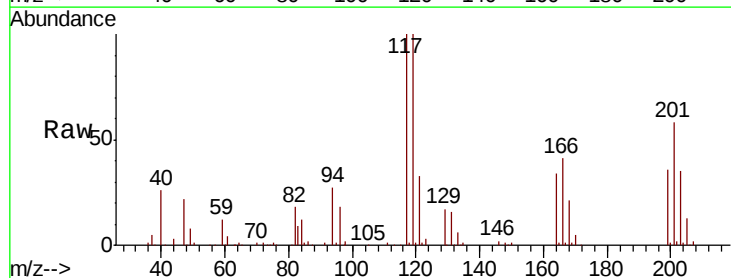
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

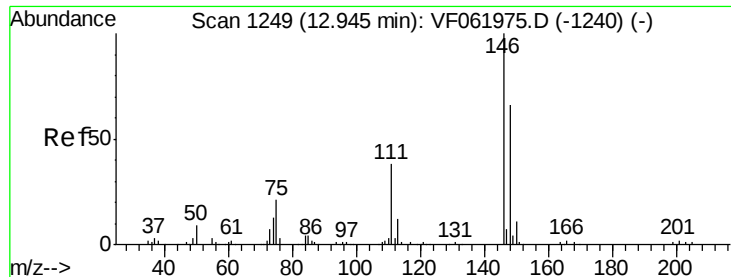
Tgt Ion: 91 Resp: 273116
Ion Ratio Lower Upper
91 100
92 61.5 31.7 95.1
134 26.2 15.1 45.3



#90
Hexachloroethane
Concen: 23.021 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion: 117 Resp: 65274
Ion Ratio Lower Upper
117 100
201 58.0 32.5 97.5

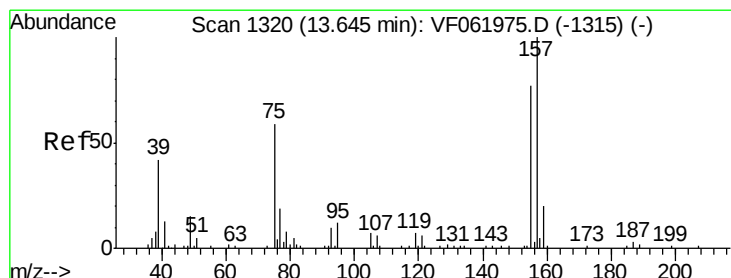
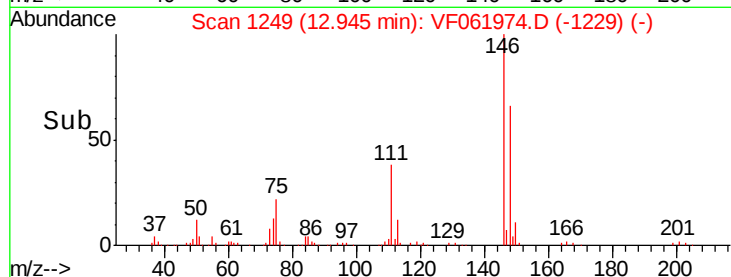
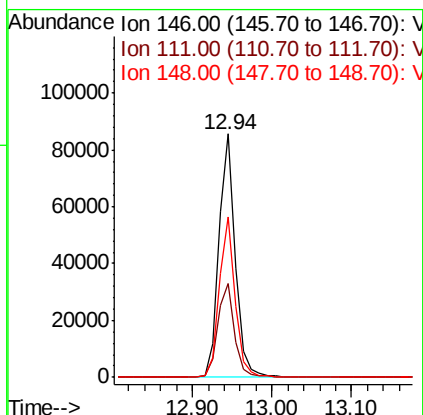
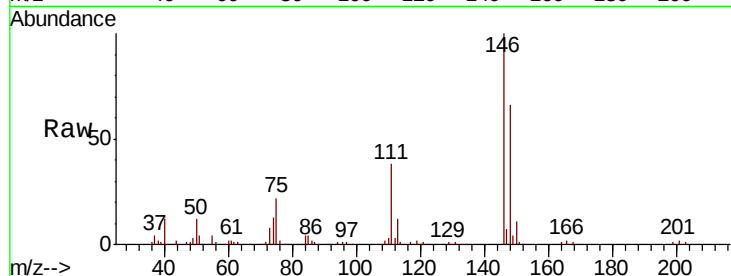




#91
 1,2-Dichlorobenzene
 Concen: 22.687 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

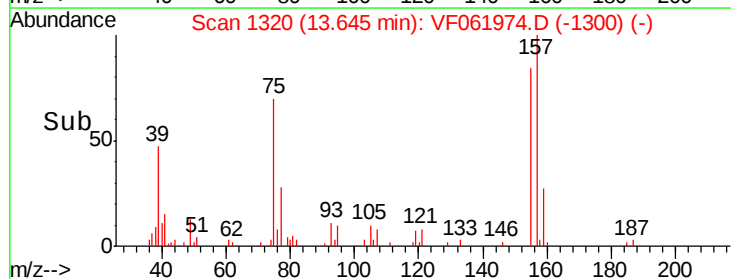
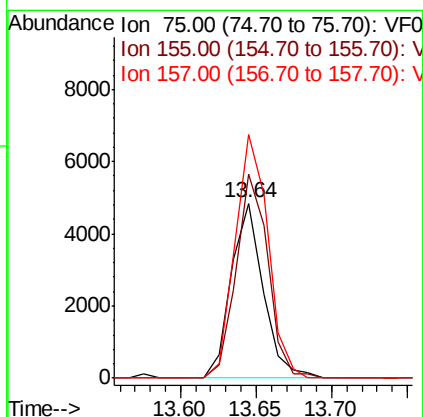
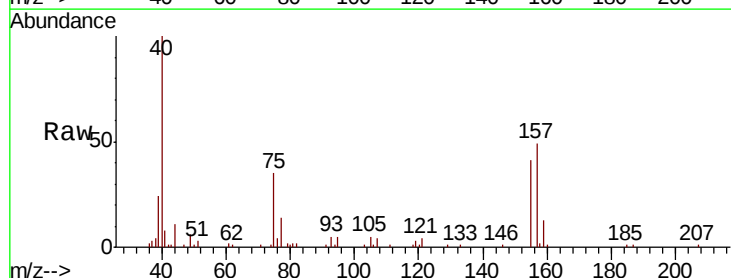
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

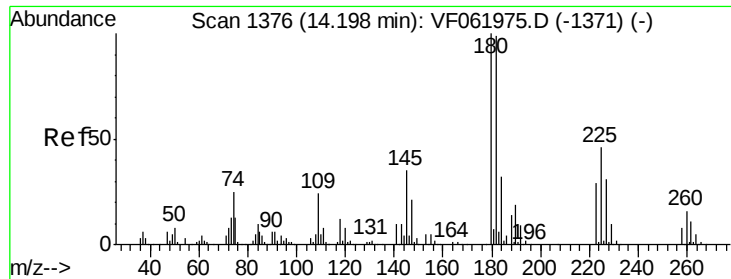
Tgt Ion:146 Resp: 124761
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.5
 148 66.0 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.658 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion: 75 Resp: 7138
 Ion Ratio Lower Upper
 75 100
 155 116.3 65.0 195.1
 157 139.1 84.7 254.0

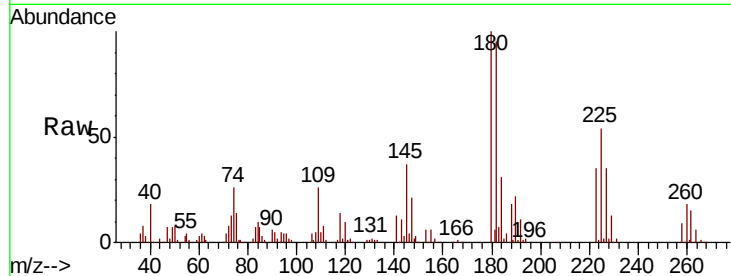




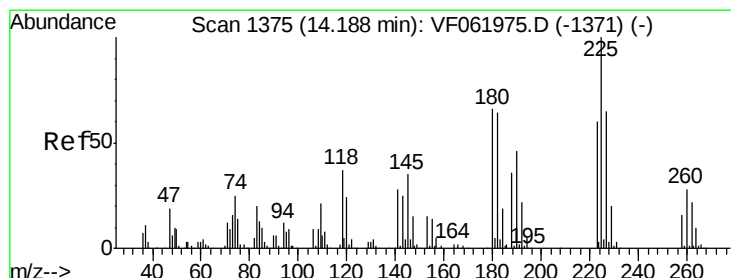
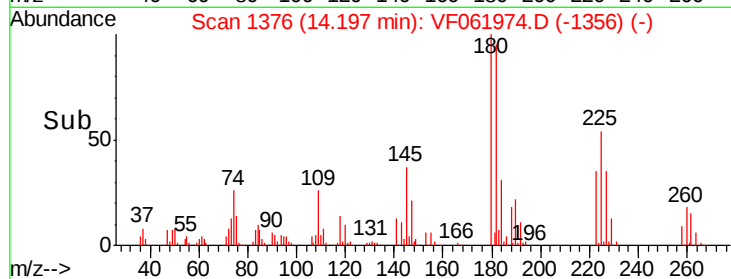
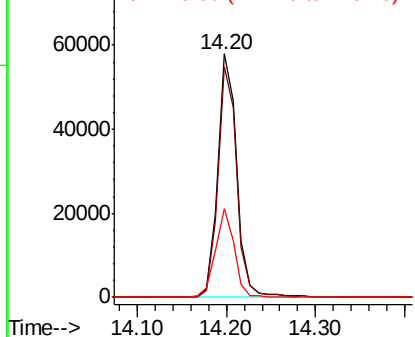
#93
 1,2,4-Trichlorobenzene
 Concen: 22.713 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 86982
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.6 149.0
 145 36.7 17.5 52.5

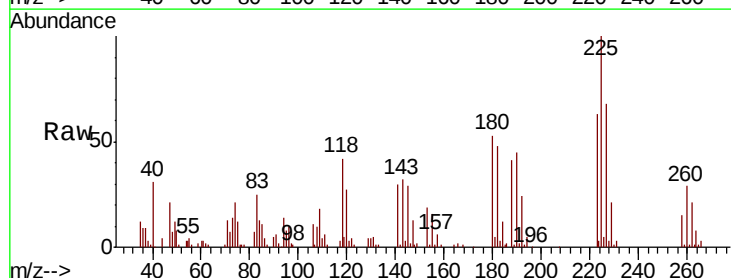


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

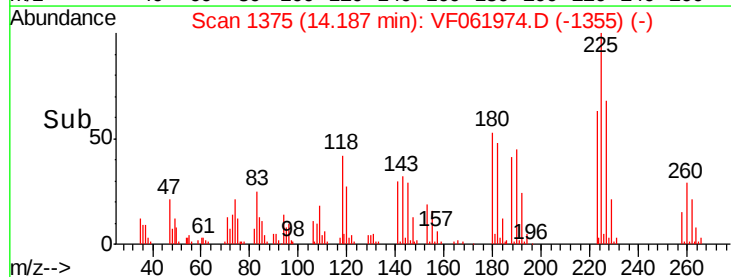
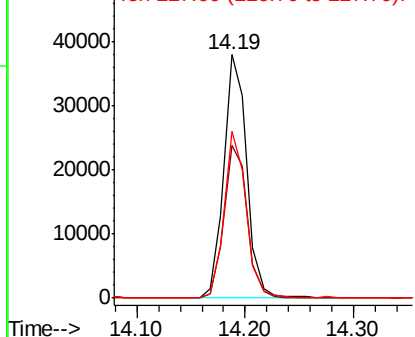


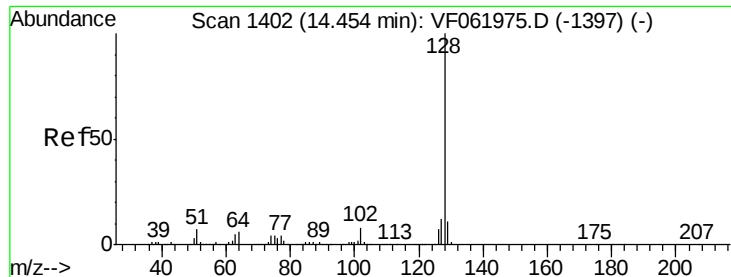
#94
 Hexachlorobutadiene
 Concen: 22.013 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061974.D
 Acq: 16 Mar 2019 11:39

Tgt Ion:225 Resp: 55963
 Ion Ratio Lower Upper
 225 100
 223 62.8 29.9 89.7
 227 68.3 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

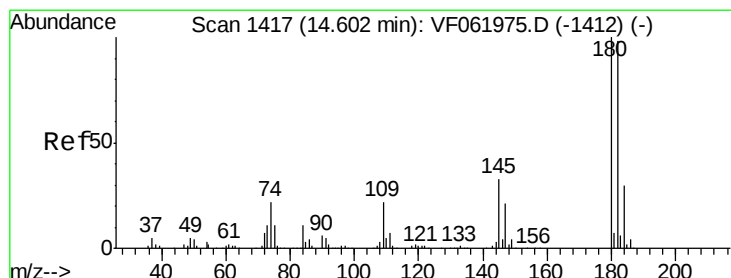
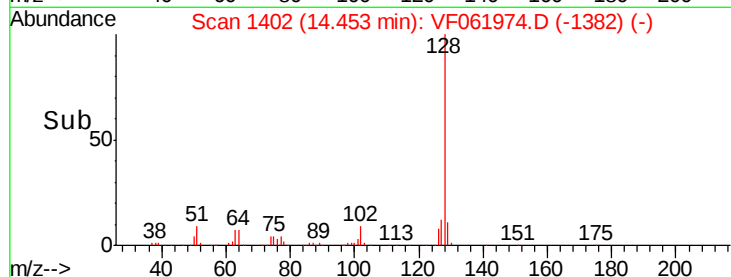
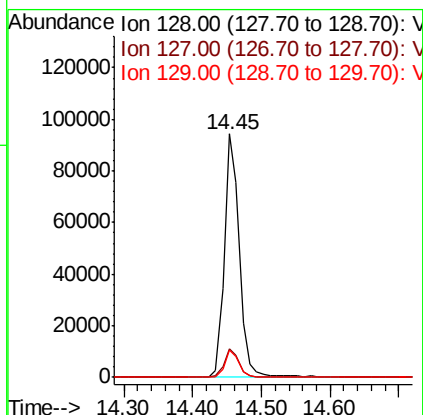
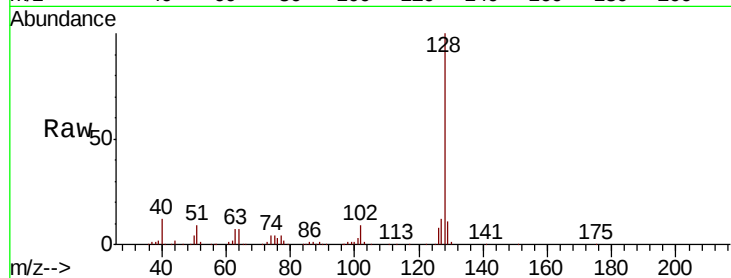




#95
Naphthalene
Concen: 20.846 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 143578
Ion Ratio Lower Upper
128 100
127 12.0 9.3 13.9
129 11.5 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 22.487 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061974.D
Acq: 16 Mar 2019 11:39

Tgt Ion:180 Resp: 79225
Ion Ratio Lower Upper
180 100
182 97.0 48.9 146.8
145 34.6 16.7 50.1

