

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061973.D
 Acq On : 16 Mar 2019 11:11
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:33:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	271420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	413374	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	357267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	193423	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	18813	9.63	ug/l	0.00
Spiked Amount			Recovery	=	19.26%	
35) Dibromofluoromethane	4.11	113	28417	10.24	ug/l	0.00
Spiked Amount			Recovery	=	20.48%	
50) Toluene-d8	7.56	98	87911	10.83	ug/l	0.00
Spiked Amount			Recovery	=	21.66%	
62) 4-Bromofluorobenzene	11.41	95	36098	11.20	ug/l	0.00
Spiked Amount			Recovery	=	22.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	33543	11.593	ug/l	100
3) Chloromethane	1.10	50	32784	11.150	ug/l	96
4) Vinyl Chloride	1.14	62	33580	11.808	ug/l	97
5) Bromomethane	1.31	94	23604	11.815	ug/l	94
6) Chloroethane	1.38	64	16752	11.411	ug/l	91
7) Trichlorofluoromethane	1.48	101	39070	10.370	ug/l	85
8) Diethyl Ether	1.63	74	9375	11.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	29262	11.024	ug/l	96
10) Methyl Iodide	1.90	142	38843	8.361	ug/l	97
11) Tert butyl alcohol	2.58	59	6122	51.207	ug/l #	79
12) 1,1-Dichloroethene	1.79	96	26334	11.496	ug/l	84
13) Acrolein	2.00	56	7605	58.925	ug/l	89
14) Allyl chloride	2.09	41	29614	10.127	ug/l	90
15) Acrylonitrile	2.94	53	19570	53.829	ug/l	99
16) Acetone	2.23	43	23339	53.197	ug/l	99
17) Carbon Disulfide	1.82	76	73892	11.153	ug/l #	93
18) Methyl Acetate	2.35	43	9993	10.723	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	43163	10.398	ug/l	97
20) Methylene Chloride	2.17	84	8878	3.931	ug/l #	81
21) trans-1,2-Dichloroethene	2.31	96	25635	10.723	ug/l	95
22) Diisopropyl ether	2.80	45	74874	10.645	ug/l #	96
23) Vinyl Acetate	3.19	43	142826	51.511	ug/l	99
24) 1,1-Dichloroethane	2.87	63	46088	11.269	ug/l #	98
25) 2-Butanone	4.34	43	47292	54.428	ug/l	96
26) 2,2-Dichloropropane	3.59	77	20663	10.711	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	32203	10.688	ug/l	99
28) Bromochloromethane	3.72	49	18423	10.856	ug/l	97
29) Tetrahydrofuran	4.07	42	20308	53.742	ug/l	92
30) Chloroform	3.86	83	48521	10.471	ug/l	99
31) Cyclohexane	3.69	56	32615	8.140	ug/l	94
32) 1,1,1-Trichloroethane	4.09	97	28842	9.372	ug/l	90
36) 1,1-Dichloropropene	4.27	75	39059	10.463	ug/l	97
37) Ethyl Acetate	4.10	43	18609	11.102	ug/l	96
38) Carbon Tetrachloride	3.99	117	28397	10.409	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:28:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	46933	10.709	ug/l	94
40) Benzene	4.64	78	106574	10.774	ug/l	97
41) Methacrylonitrile	4.75	41	10168	11.354	ug/l #	74
42) 1,2-Dichloroethane	4.94	62	24661	10.015	ug/l	94
43) Isopropyl Acetate	6.96	43	20883	10.530	ug/l #	97
44) Trichloroethene	5.49	130	33061	10.911	ug/l	97
45) 1,2-Dichloropropane	6.22	63	23177	9.901	ug/l #	88
46) Dibromomethane	6.09	93	14018	10.066	ug/l #	81
47) Bromodichloromethane	6.38	83	35892	10.933	ug/l #	98
48) Methyl methacrylate	6.72	41	14211	11.088	ug/l	94
49) 1,4-Dioxane	6.71	88	2194	192.445	ug/l #	62
51) 4-Methyl-2-Pentanone	8.27	43	71649	50.878	ug/l	100
52) Toluene	7.62	92	62605	10.359	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	28452	10.265	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	37865	10.470	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	18166	10.770	ug/l	92
56) Ethyl methacrylate	8.62	69	19651	10.248	ug/l	91
57) 1,3-Dichloropropane	8.86	76	29352	10.432	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	16698	48.078	ug/l #	84
59) 2-Hexanone	9.50	43	56168	55.112	ug/l	94
60) Dibromochloromethane	8.72	129	22729	9.706	ug/l	99
61) 1,2-Dibromoethane	8.98	107	19104	10.559	ug/l	100
64) Tetrachloroethene	8.16	164	26282	10.120	ug/l	93
65) Chlorobenzene	9.79	112	68936	10.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	26585	10.311	ug/l	95
67) Ethyl Benzene	9.90	91	119801	10.519	ug/l	98
68) m/p-Xylenes	10.13	106	90478	21.122	ug/l	83
69) o-Xylene	10.71	106	50904	11.106	ug/l	98
70) Styrene	10.79	104	69237	10.903	ug/l	96
71) Bromoform	10.77	173	13136	10.073	ug/l	99
73) Isopropylbenzene	11.12	105	139973	10.475	ug/l	96
74) N-amyl acetate	11.37	43	31548	10.303	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.70	83	22445	10.176	ug/l	89
76) 1,2,3-Trichloropropane	11.80	75	16903	10.959	ug/l	97
77) Bromobenzene	11.50	156	31364	10.135	ug/l	94
78) n-propylbenzene	11.60	91	167386	10.894	ug/l	100
79) 2-Chlorotoluene	11.72	91	95059	10.960	ug/l	92
80) 1,3,5-Trimethylbenzene	11.82	105	115686	10.717	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	9467	13.875	ug/l #	83
82) 4-Chlorotoluene	11.90	91	96009	10.947	ug/l	97
83) tert-Butylbenzene	12.13	119	117591	10.417	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	120156	11.113	ug/l	91
85) sec-Butylbenzene	12.31	105	166070	10.888	ug/l	100
86) p-Isopropyltoluene	12.46	119	139724	10.979	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	67212	11.051	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	60685	10.366	ug/l	97
89) n-Butylbenzene	12.84	91	128068	10.709	ug/l	94
90) Hexachloroethane	12.92	117	28645	9.863	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	61124	10.851	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	3596	10.160	ug/l	83

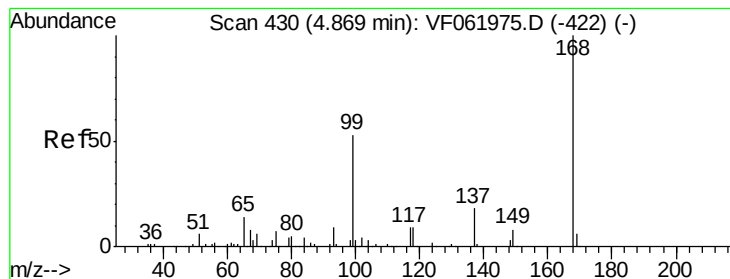
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:28:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	42297	10.783	ug/l	91
94) Hexachlorobutadiene	14.19	225	27461	10.545	ug/l	96
95) Naphthalene	14.46	128	68779	9.749	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	36451	10.100	ug/l	96

(#) = 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: VF061973.D

Acq: 16 Mar 2019 11:11

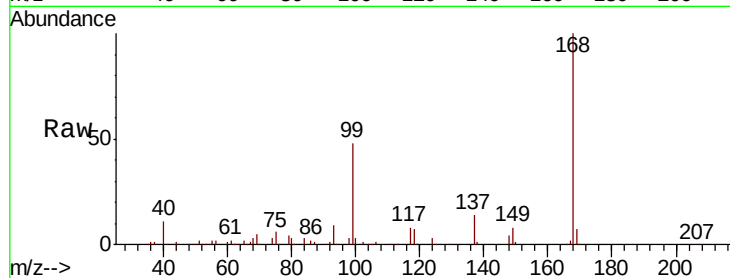
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 271420

Ion Ratio Lower Upper

168 100

99 48.2 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

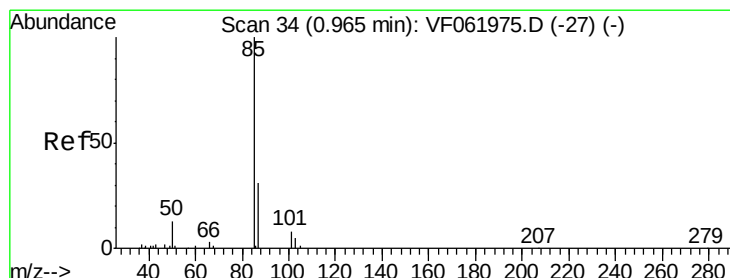
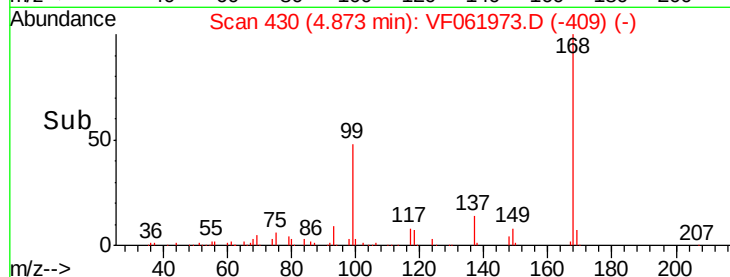
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.593 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061973.D

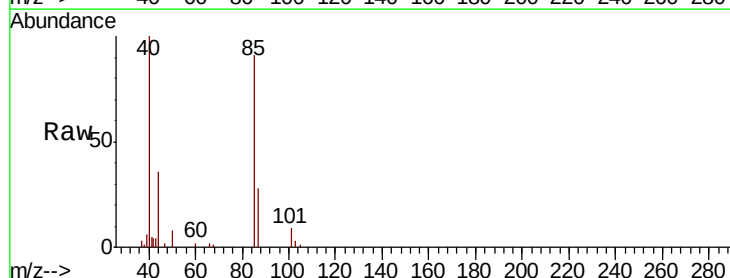
Acq: 16 Mar 2019 11:11

Tgt Ion: 85 Resp: 33543

Ion Ratio Lower Upper

85 100

87 31.0 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

12000

10000

8000

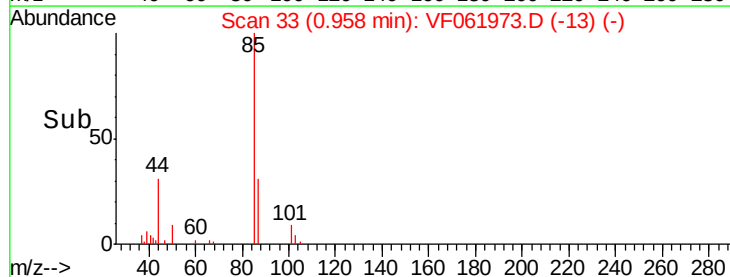
6000

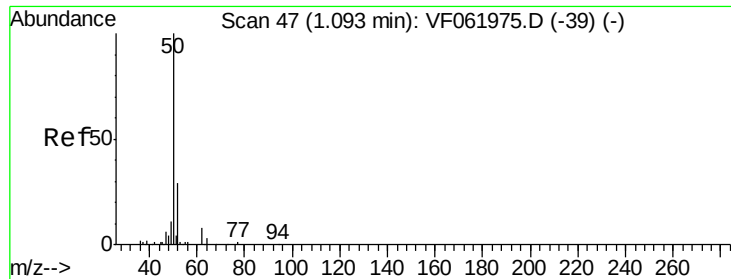
4000

2000

0

Time-->





#3

Chloromethane

Concen: 11.150 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

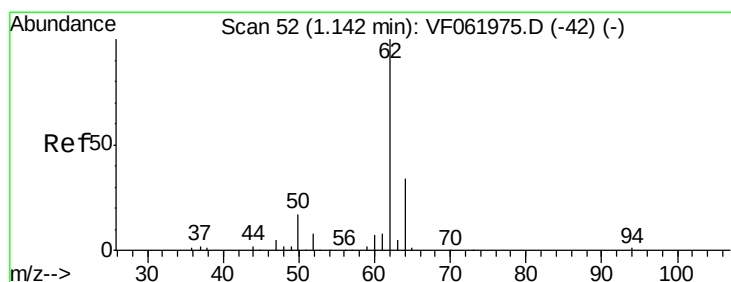
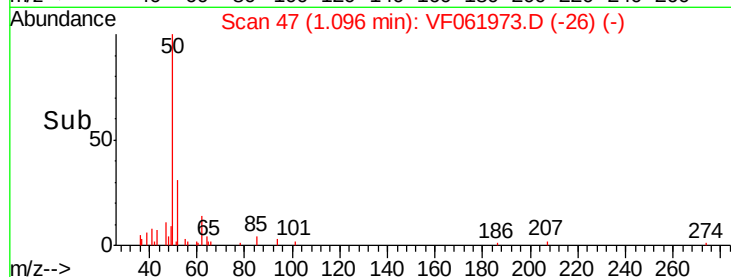
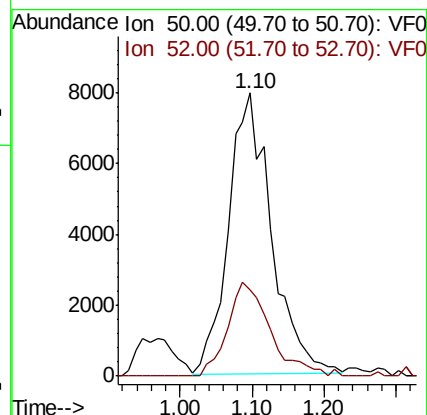
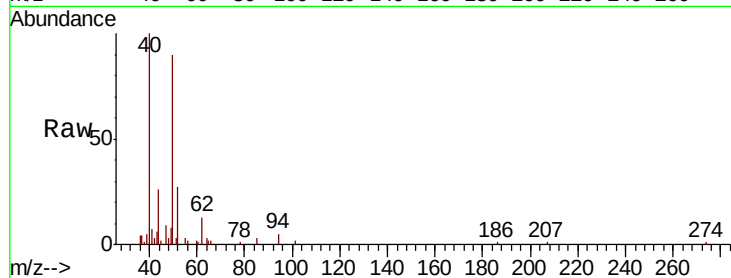
ClientSampled :

Tot Ion: 50 Resp: 32784

Ion Ratio Lower Upper

50 100

52 30.5 22.6 34.0



#4

Vinyl Chloride

Concen: 11.808 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061973.D

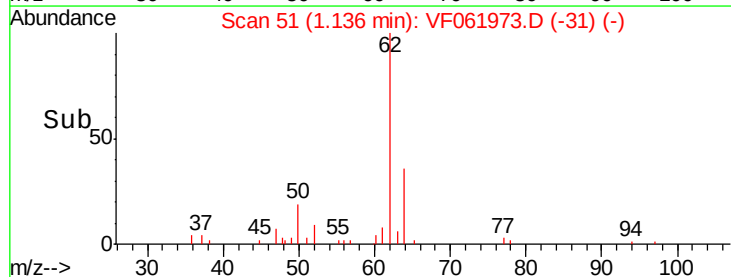
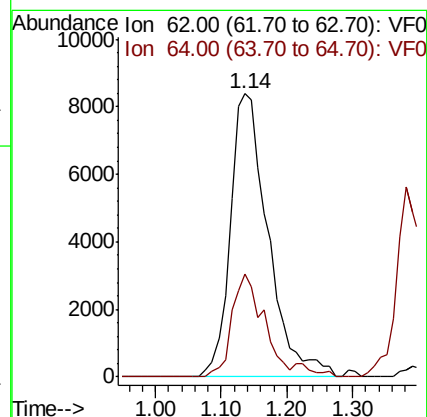
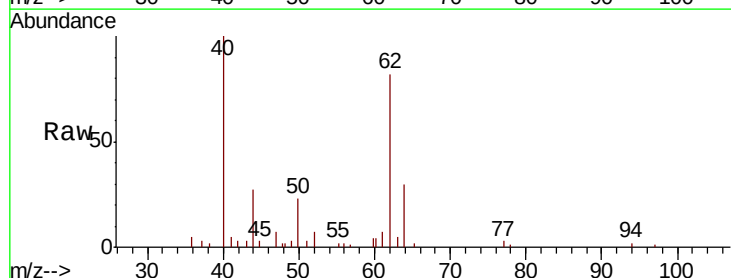
Acq: 16 Mar 2019 11:11

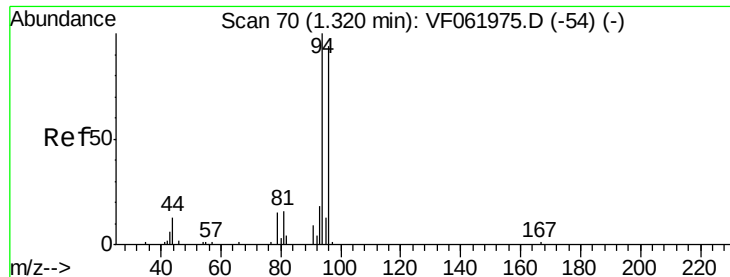
Tgt Ion: 62 Resp: 33580

Ion Ratio Lower Upper

62 100

64 36.2 27.4 41.2





#5

Bromomethane

Concen: 11.815 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

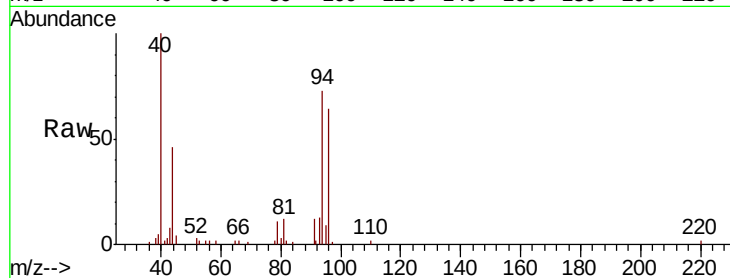
ClientSampleId :

Tot Ion: 94 Resp: 23604

Ion Ratio Lower Upper

94 100

96 87.8 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

6000

5000

4000

3000

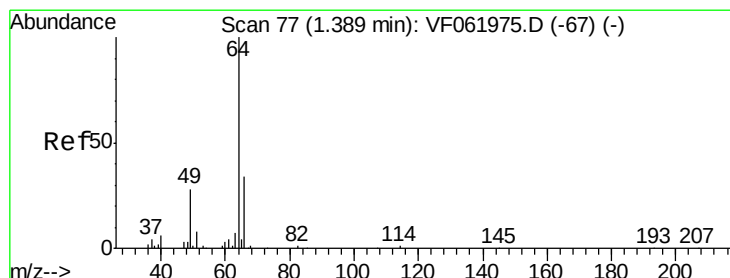
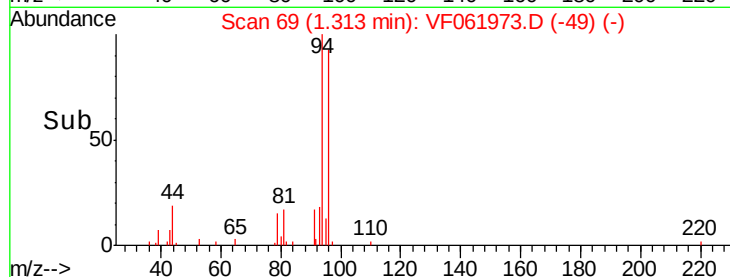
2000

1000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 11.411 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061973.D

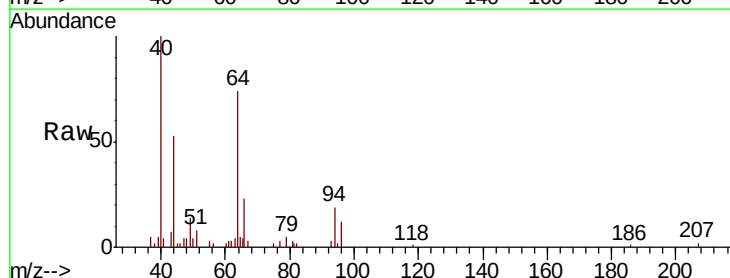
Acq: 16 Mar 2019 11:11

Tgt Ion: 64 Resp: 16752

Ion Ratio Lower Upper

64 100

66 29.3 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.38

6000

5000

4000

3000

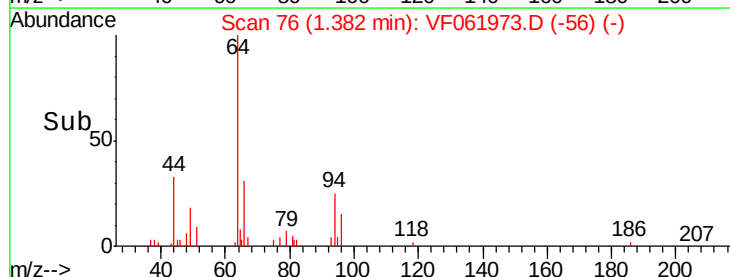
2000

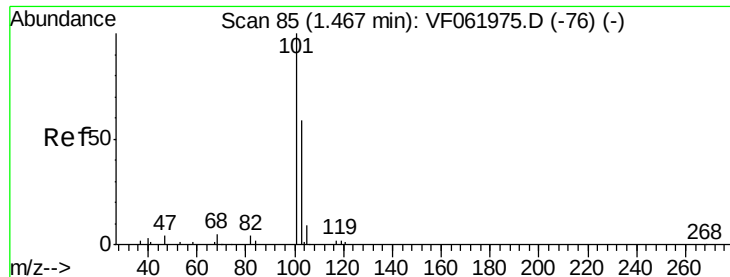
1000

0

1.30 1.40 1.50

Time-->



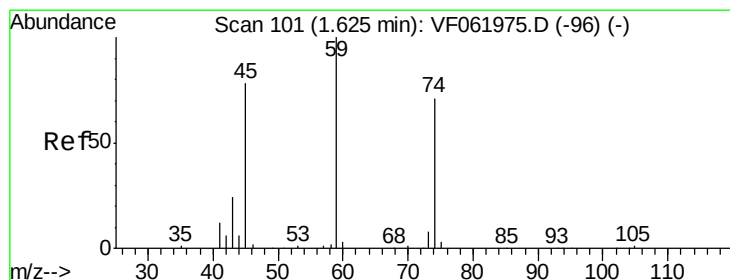
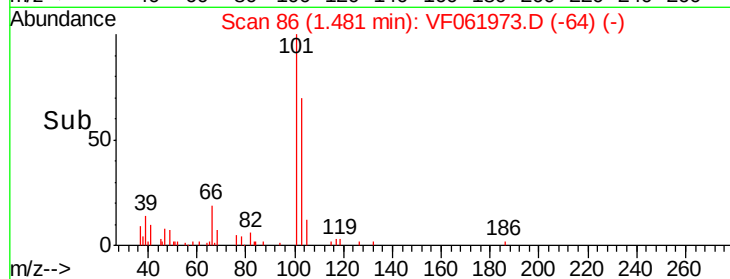
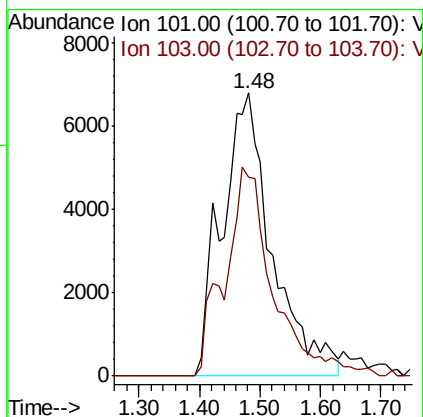
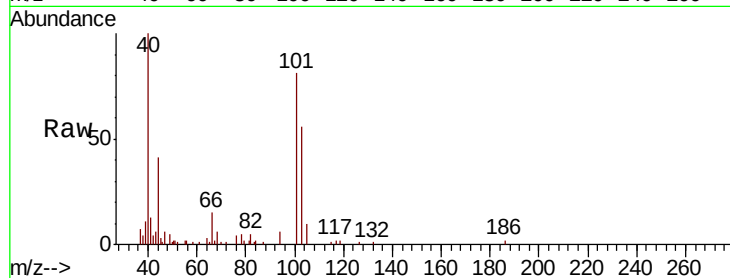


#7

Trichlorofluoromethane
Concen: 10.370 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

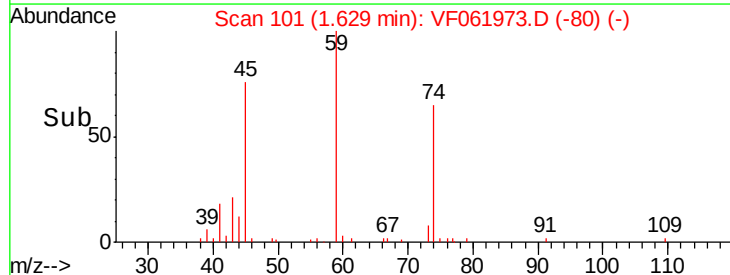
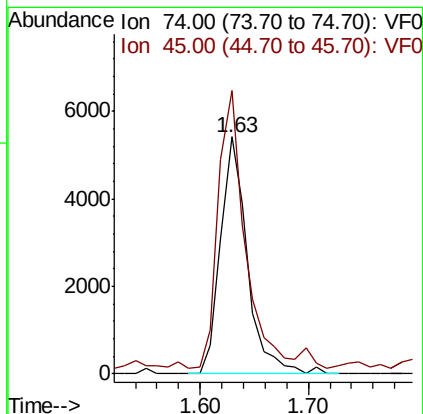
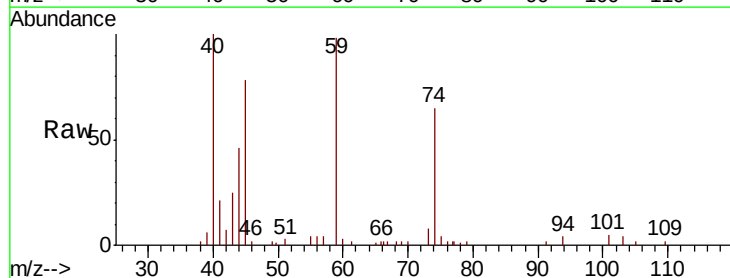
Tot Ion:101 Resp: 39070
Ion Ratio Lower Upper
101 100
103 70.2 47.3 70.9

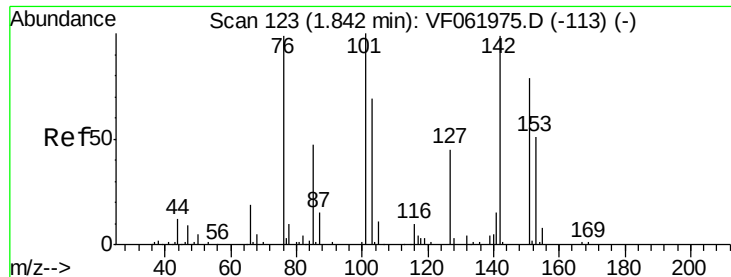


#8

Diethyl Ether
Concen: 11.193 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 74 Resp: 9375
Ion Ratio Lower Upper
74 100
45 119.6 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.024 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

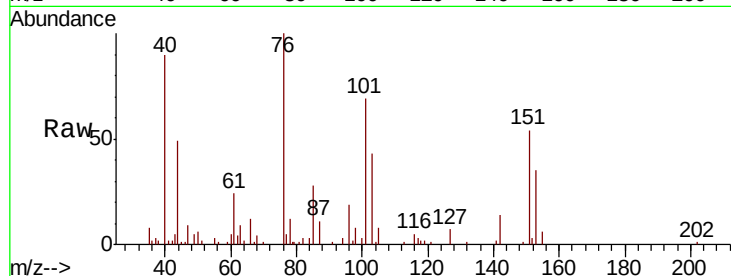
Tot Ion:101 Resp: 29262

Ion Ratio Lower Upper

101 100

85 40.9 36.8 55.2

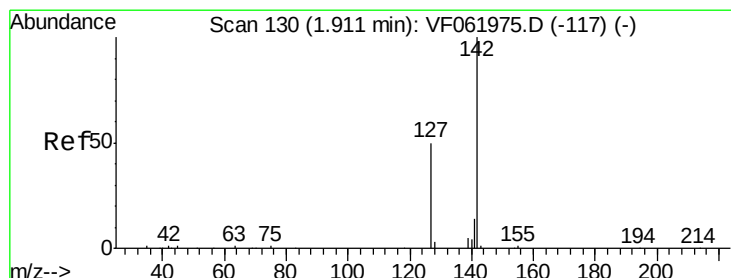
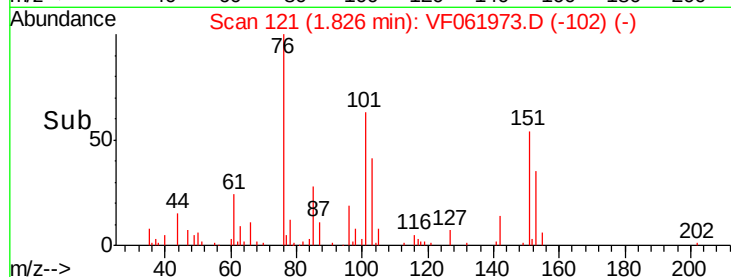
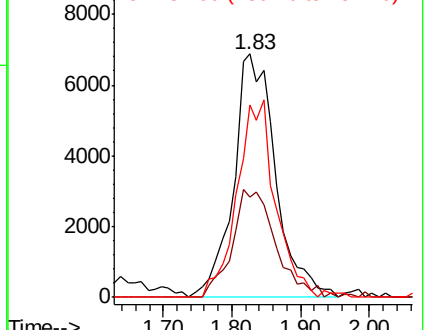
151 78.8 62.2 93.2



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: 8.361 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

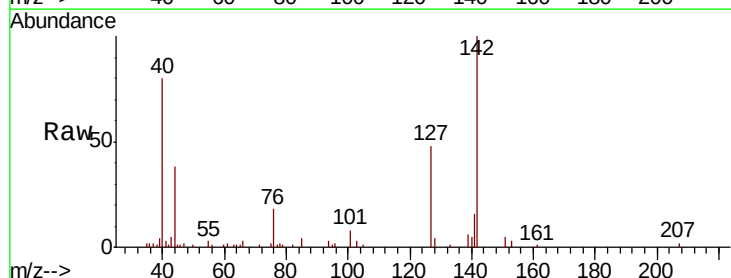
Tgt Ion:142 Resp: 38843

Ion Ratio Lower Upper

142 100

127 47.9 39.7 59.5

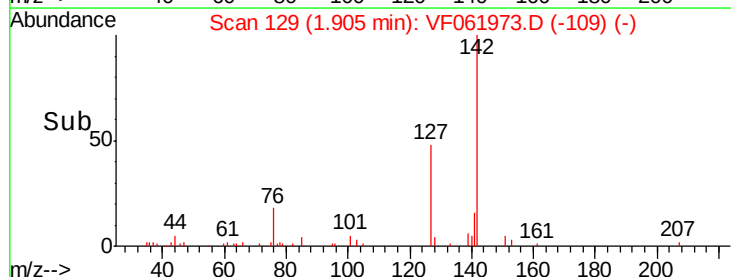
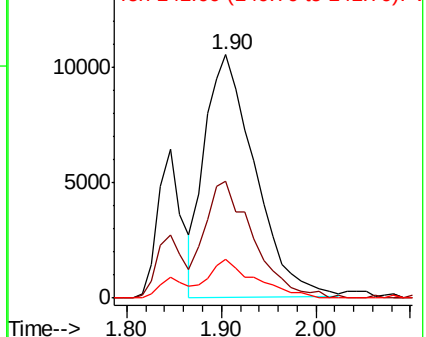
141 15.8 10.8 16.2

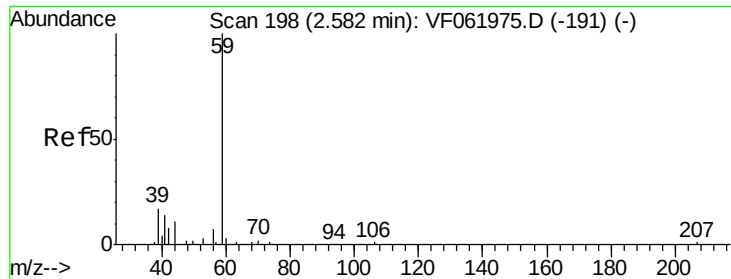


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



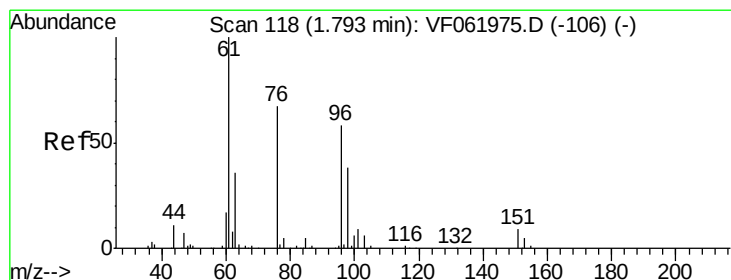
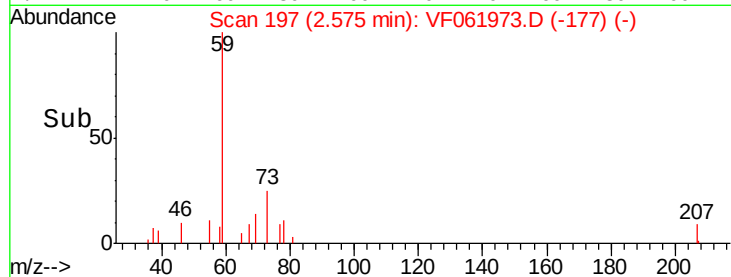
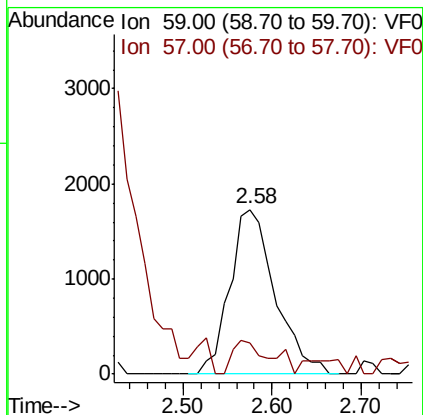
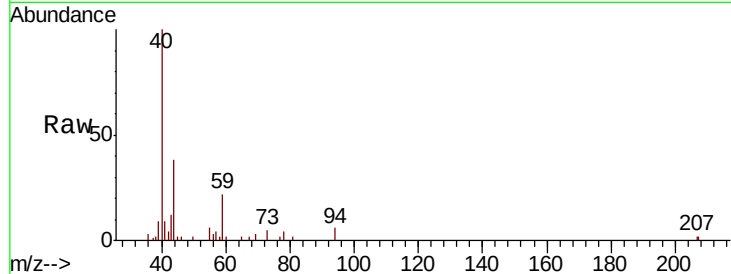


#11

Tert butyl alcohol
Concen: 51.207 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

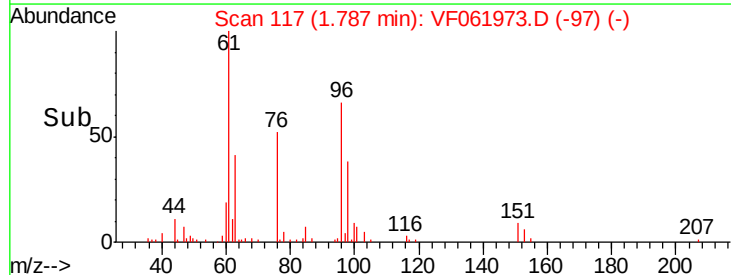
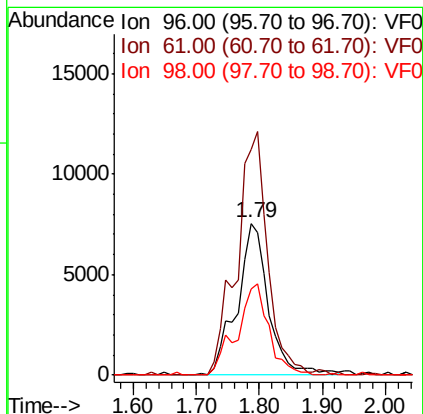
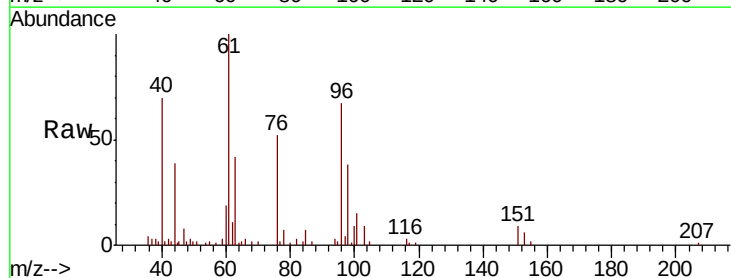
Tot Ion: 59 Resp: 6122
Ion Ratio Lower Upper
59 100
57 19.0 8.7 13.1#

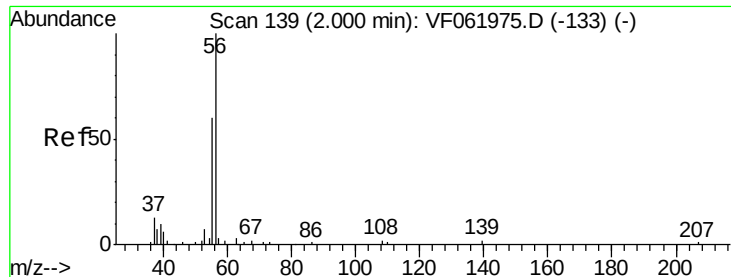


#12

1,1-Dichloroethene
Concen: 11.496 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 96 Resp: 26334
Ion Ratio Lower Upper
96 100
61 149.2 138.6 208.0
98 56.7 53.2 79.8





#13

Acrolein

Concen: 58.925 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

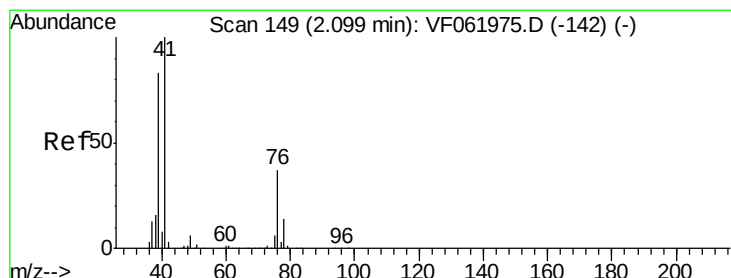
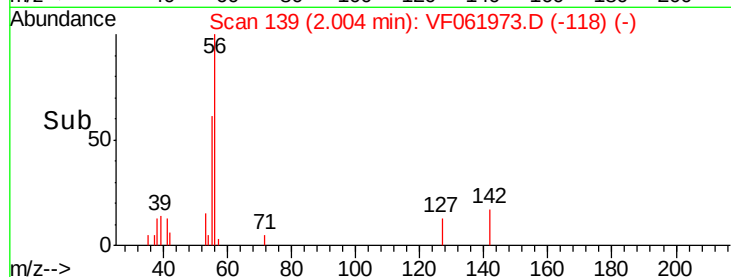
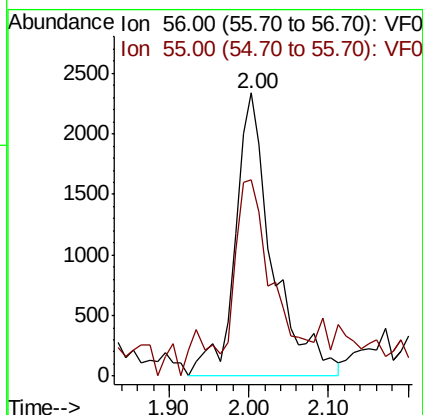
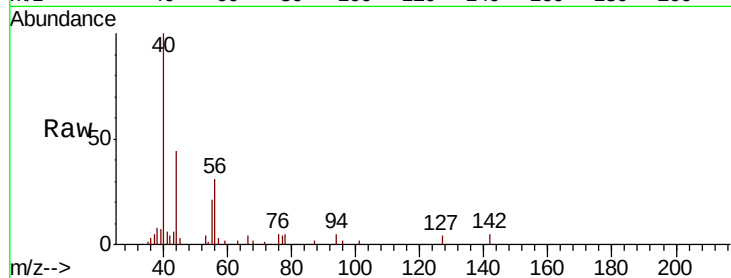
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 7605

Ion Ratio Lower Upper

56 100

55 69.5 49.1 73.7



#14

Allyl chloride

Concen: 10.127 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

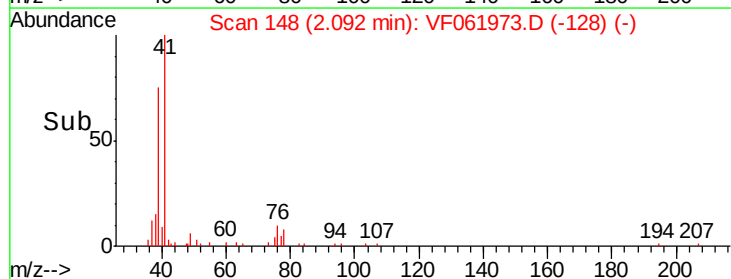
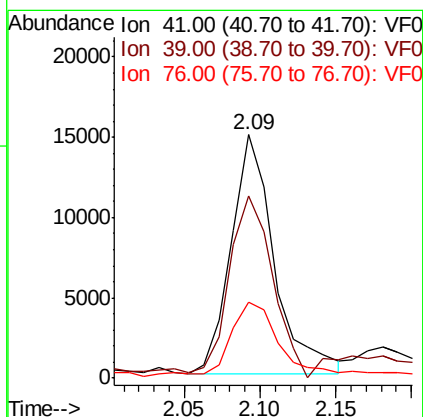
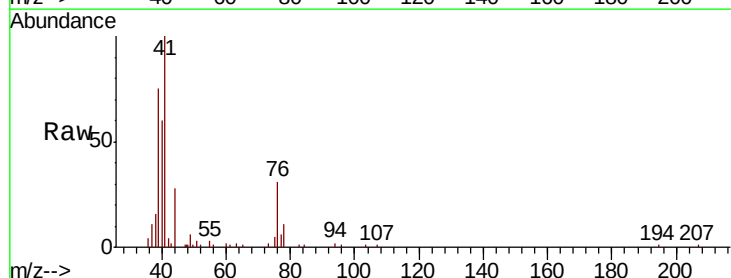
Tgt Ion: 41 Resp: 29614

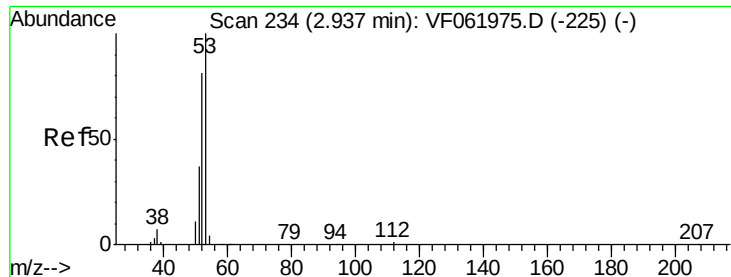
Ion Ratio Lower Upper

41 100

39 75.0 66.8 100.2

76 31.4 31.1 46.7





#15

Acrylonitrile

Concen: 53.829 ug/l

RT: 2.94 min Scan# 234

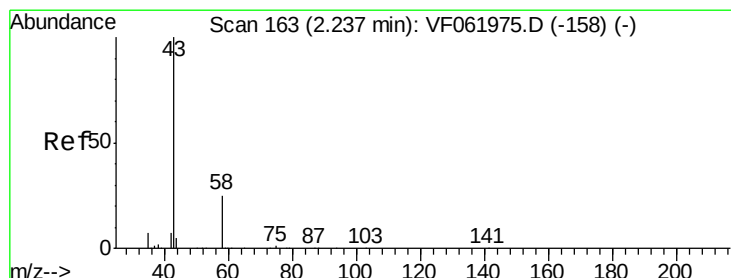
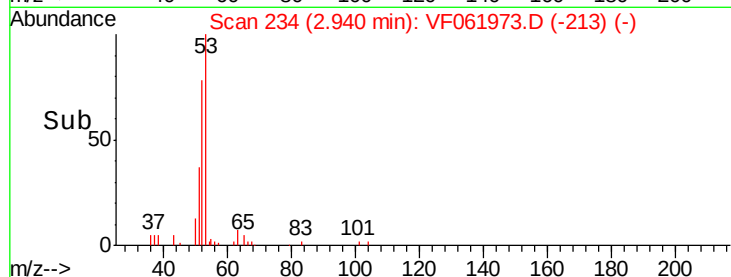
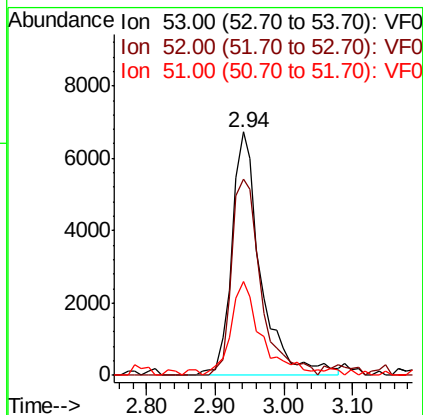
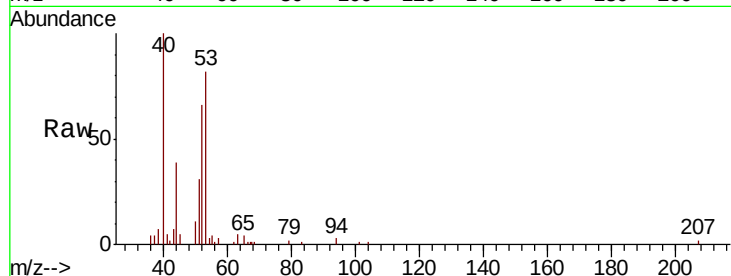
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	19570
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.4	96.6
51	38.5	30.3	45.5



#16

Acetone

Concen: 53.197 ug/l

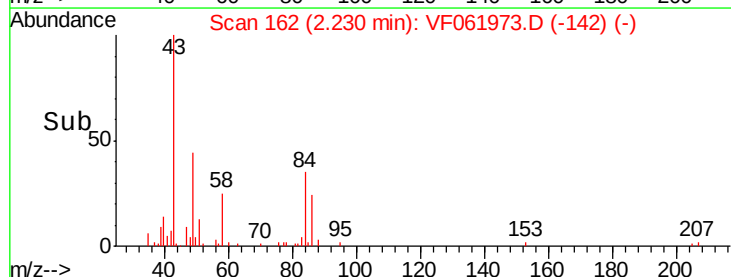
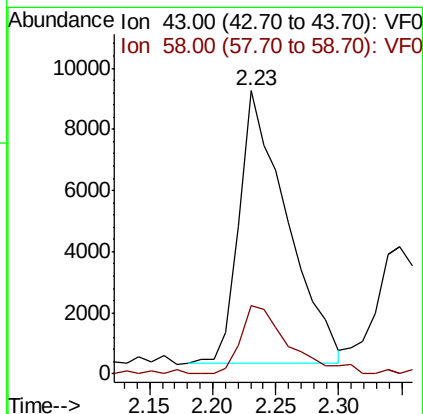
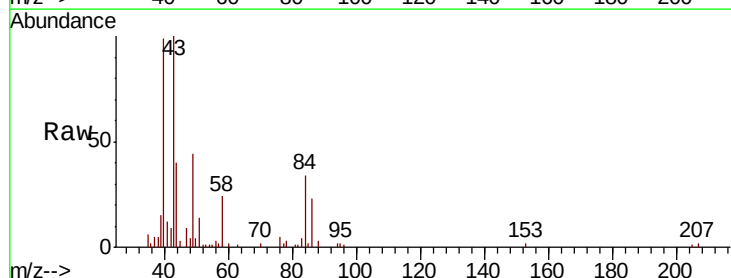
RT: 2.23 min Scan# 162

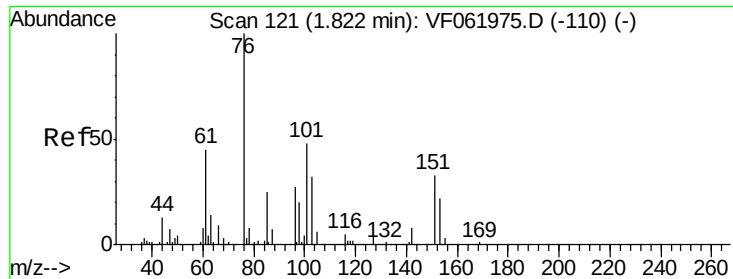
Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion:	43	Resp:	23339
Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.9	29.9





#17

Carbon Disulfide

Concen: 11.153 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

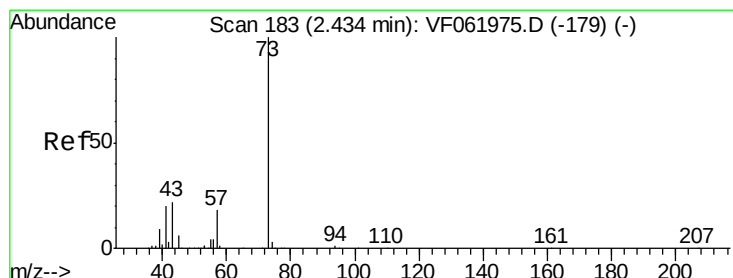
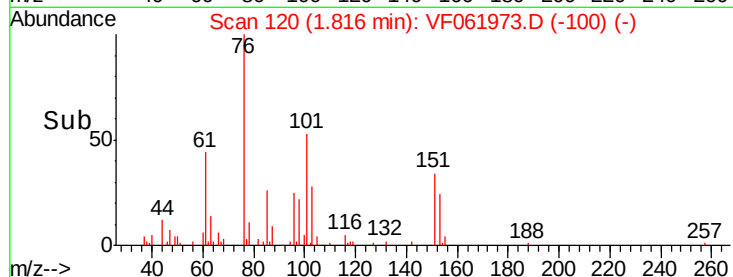
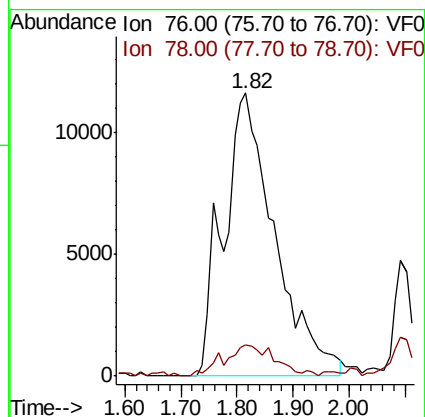
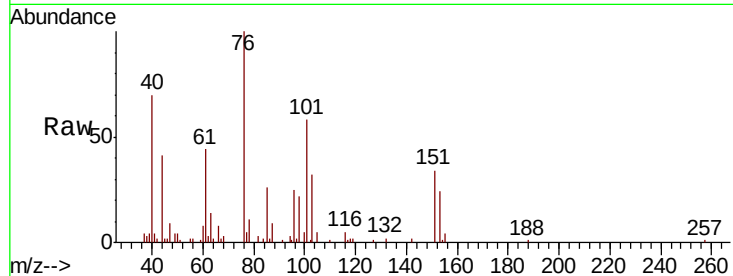
ClientSampleId :

Tot Ion: 76 Resp: 73892

Ion Ratio Lower Upper

76 100

78 11.0 6.8 10.2#



#18

Methyl Acetate

Concen: 10.723 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061973.D

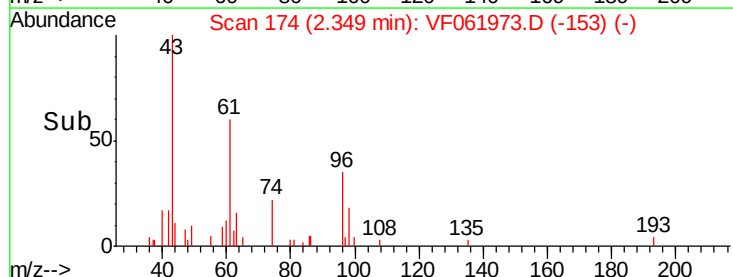
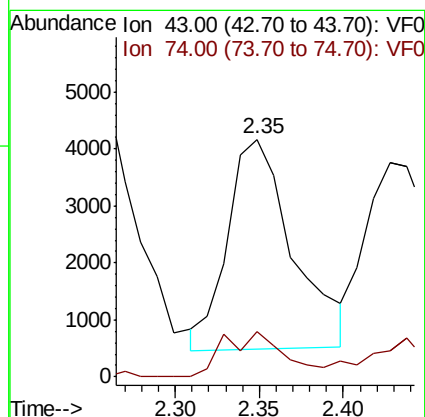
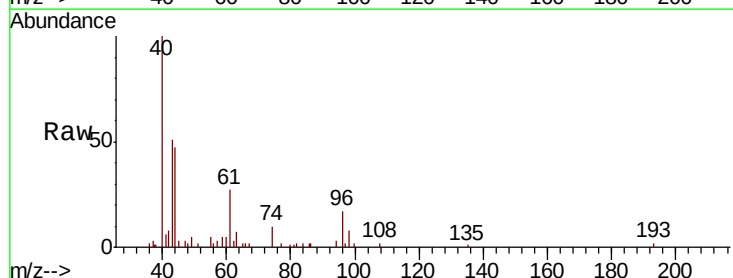
Acq: 16 Mar 2019 11:11

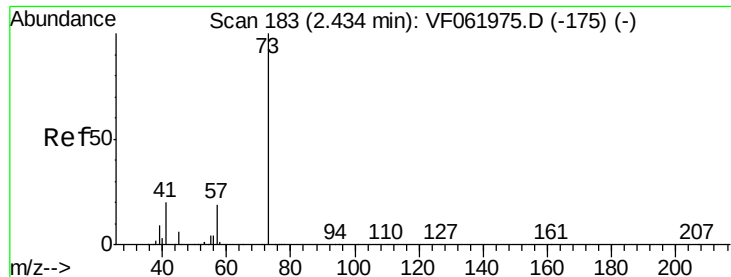
Tgt Ion: 43 Resp: 9993

Ion Ratio Lower Upper

43 100

74 19.1 18.3 27.5

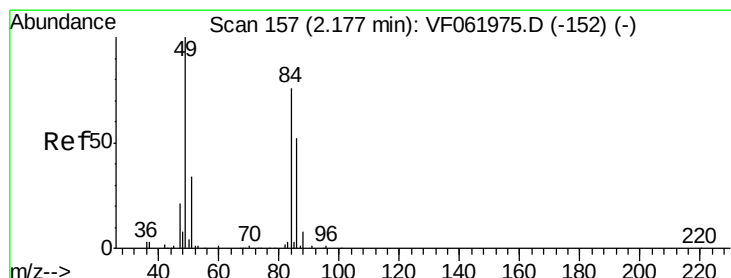
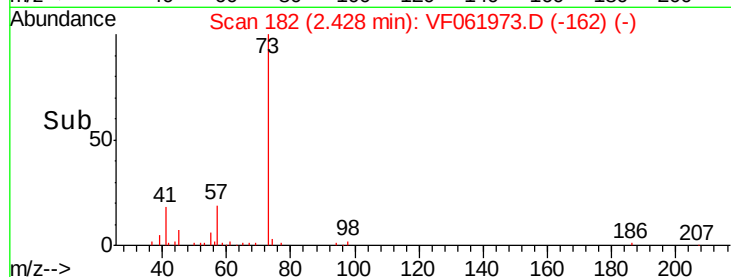
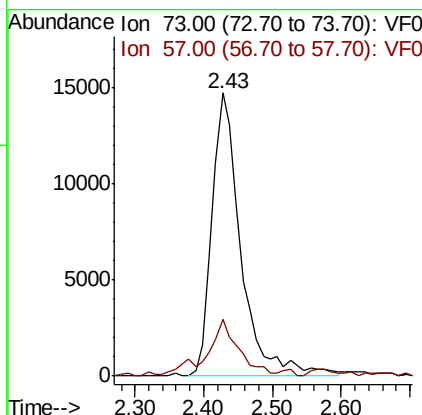
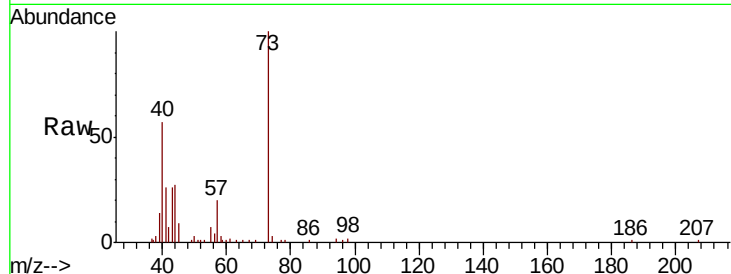




#19
Methyl tert-butyl Ether
Concen: 10.398 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

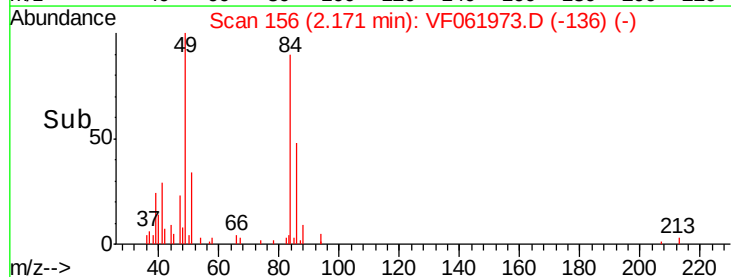
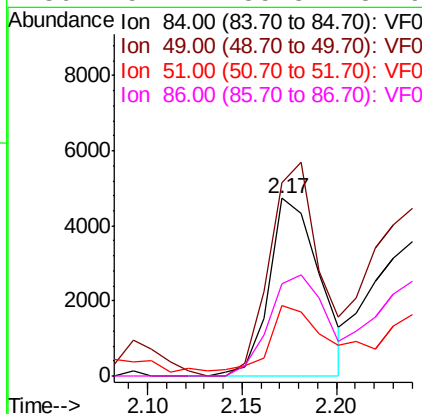
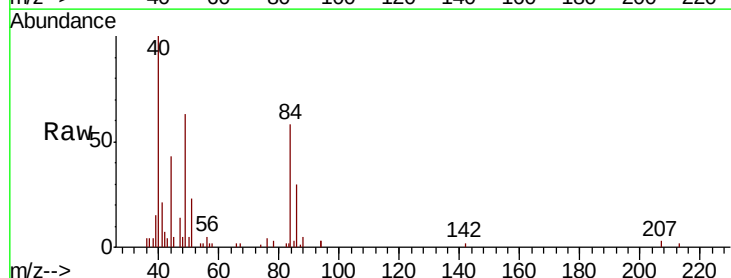
Instrument :
MSVOA_F
ClientSampleId :

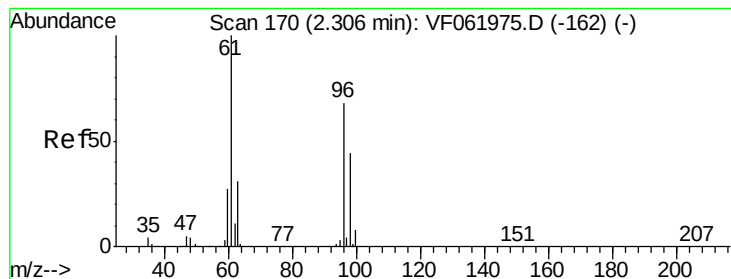
Tot Ion: 73 Resp: 43163
Ion Ratio Lower Upper
73 100
57 20.2 15.3 22.9



#20
Methylene Chloride
Concen: 3.931 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 84 Resp: 8878
Ion Ratio Lower Upper
84 100
49 109.1 107.0 160.6
51 39.6 37.2 55.8
86 52.1 55.3 82.9#





#21

trans-1,2-Dichloroethene

Concen: 10.723 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

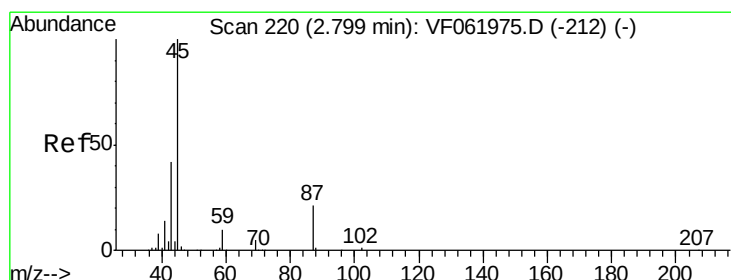
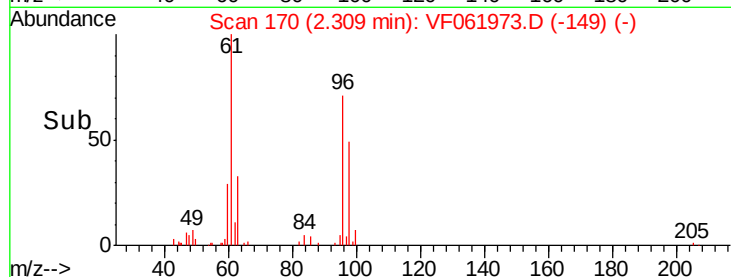
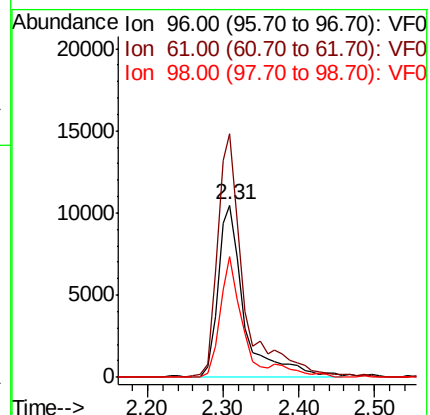
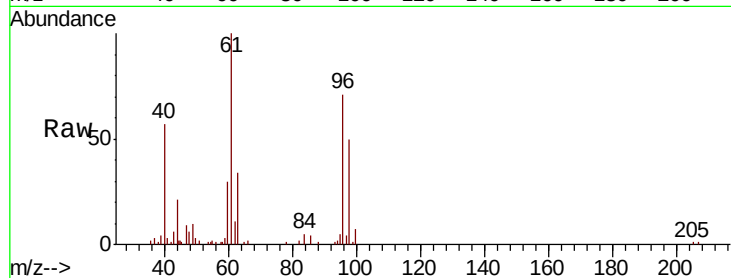
Tot Ion: 96 Resp: 25635

Ion Ratio Lower Upper

96 100

61 141.5 117.4 176.2

98 70.3 51.2 76.8



#22

Diisopropyl ether

Concen: 10.645 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion: 45 Resp: 74874

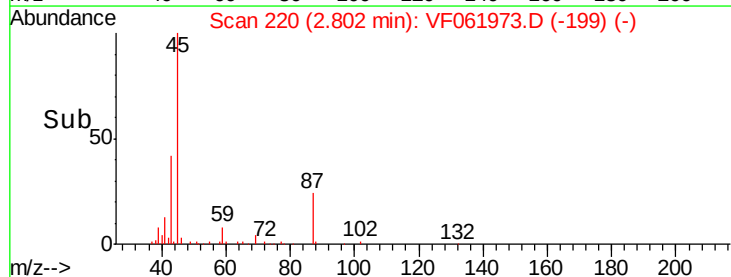
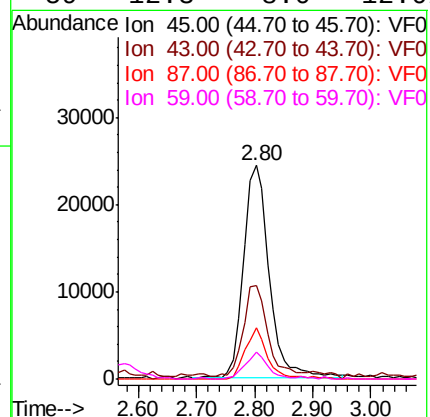
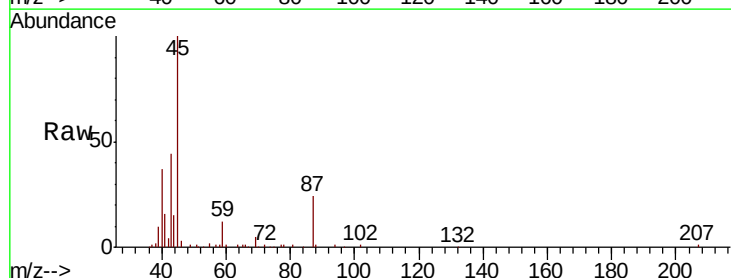
Ion Ratio Lower Upper

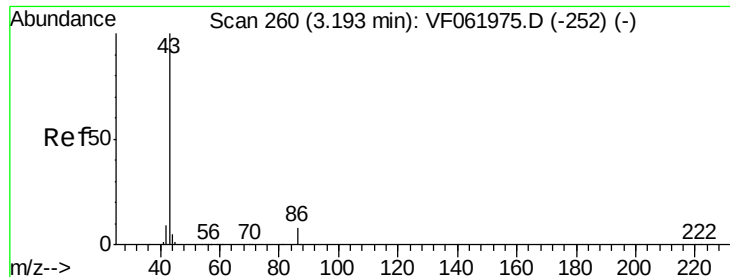
45 100

43 43.9 33.7 50.5

87 24.3 17.1 25.7

59 12.3 8.0 12.0#





#23

Vinyl Acetate

Concen: 51.511 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

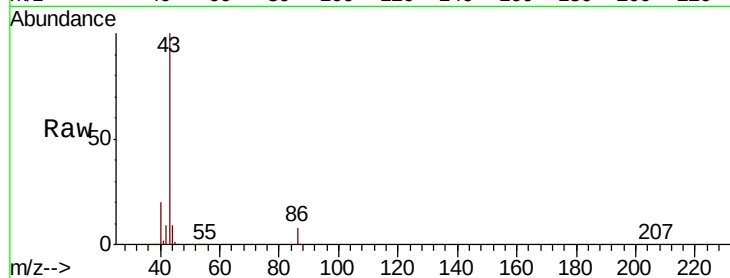
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 142826

Ion Ratio Lower Upper

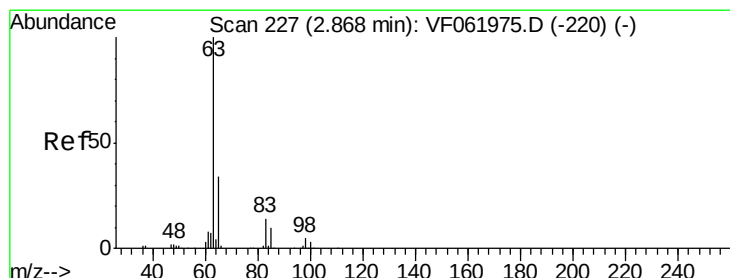
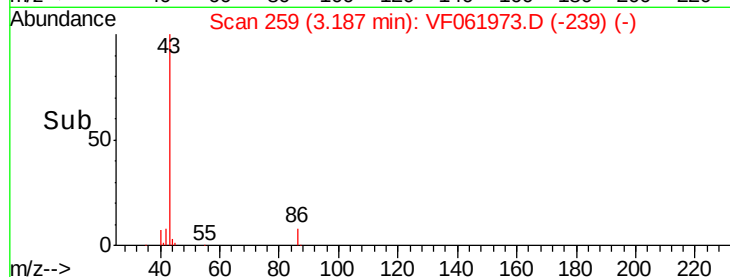
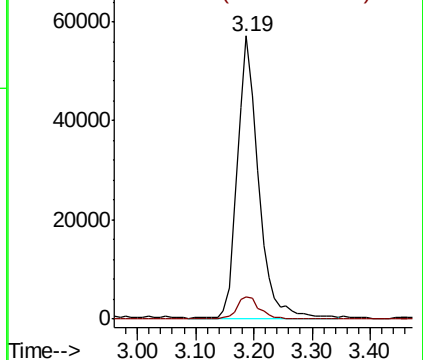
43 100

86 7.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 11.269 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

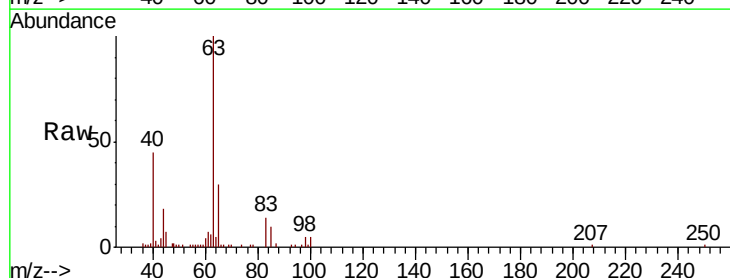
Tgt Ion: 63 Resp: 46088

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

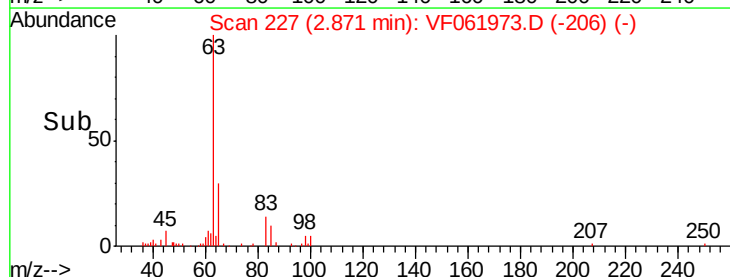
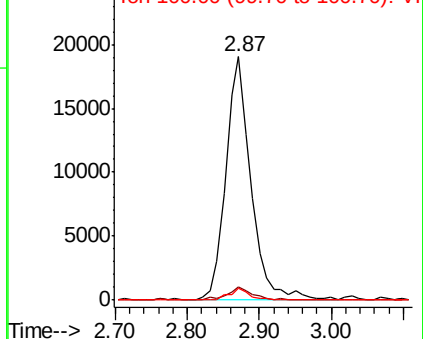
100 5.0 1.7 5.0#

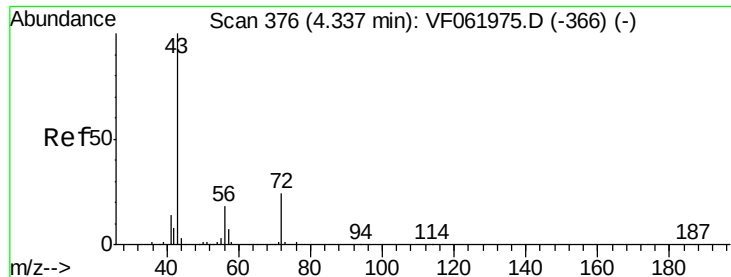


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 54.428 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

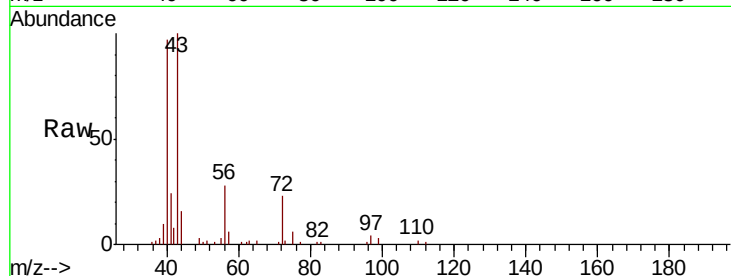
ClientSampleId :

Tot Ion: 43 Resp: 47292

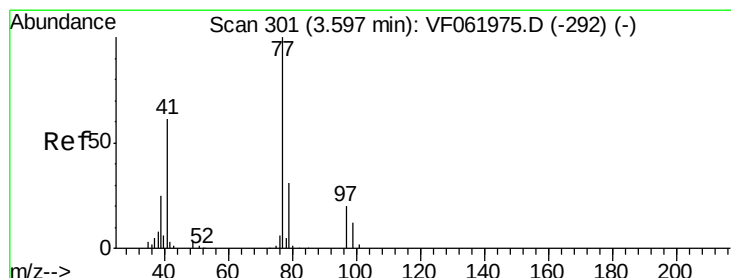
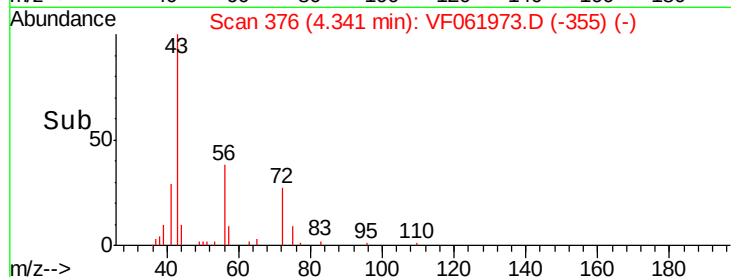
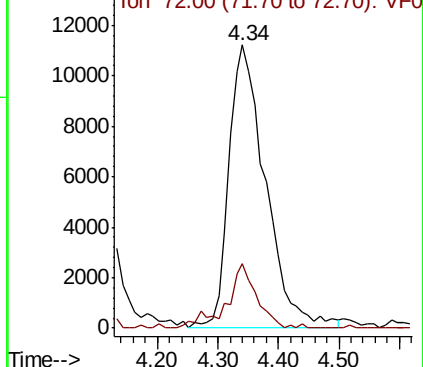
Ion Ratio Lower Upper

43 100

72 22.6 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 10.711 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.01 min

Lab File: VF061973.D

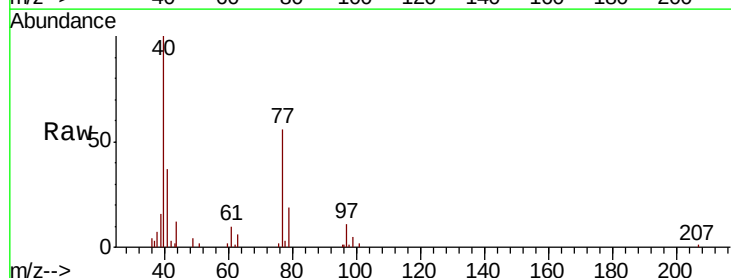
Acq: 16 Mar 2019 11:11

Tgt Ion: 77 Resp: 20663

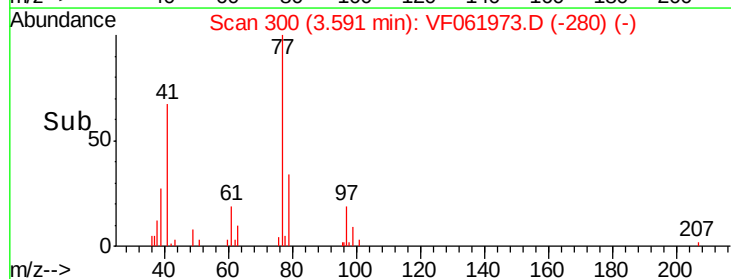
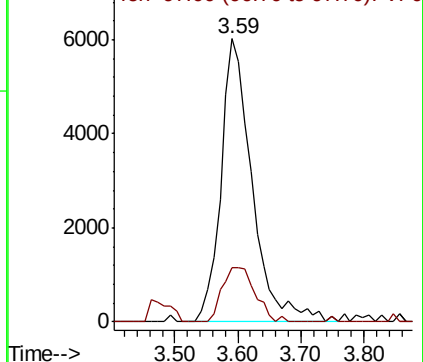
Ion Ratio Lower Upper

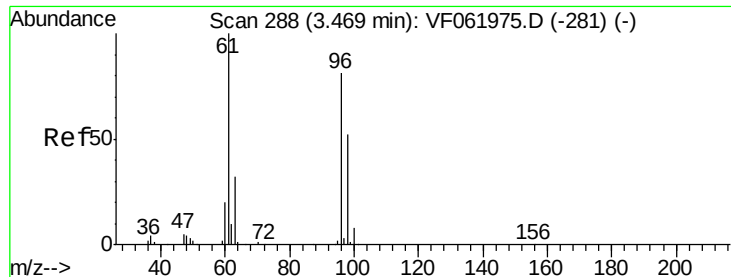
77 100

97 19.0 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0



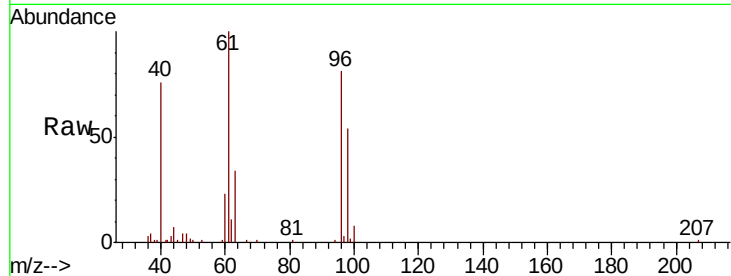


#27

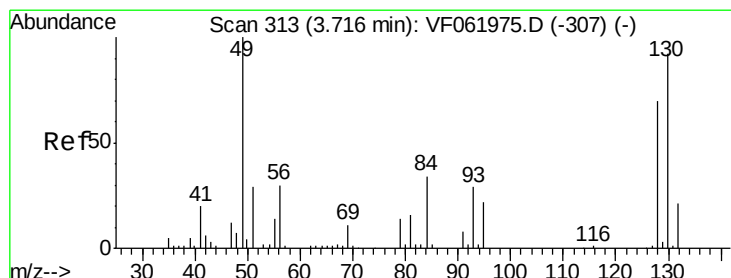
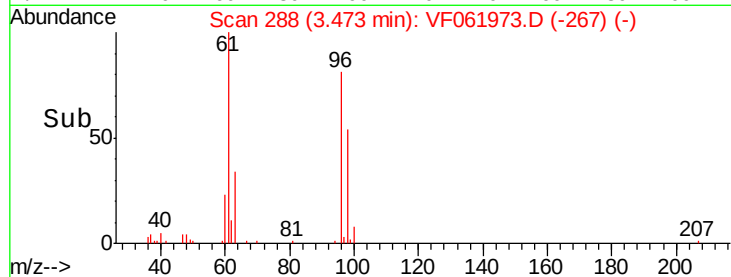
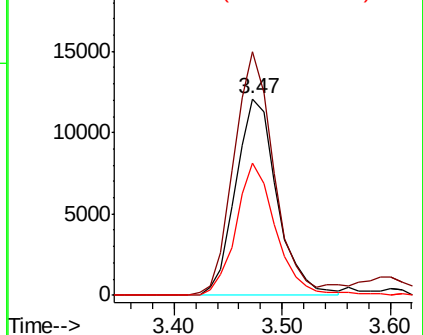
cis-1,2-Dichloroethene
 Concen: 10.688 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 96 Resp: 32203
 Ion Ratio Lower Upper
 96 100
 61 123.8 0.0 246.6
 98 67.3 0.0 129.2



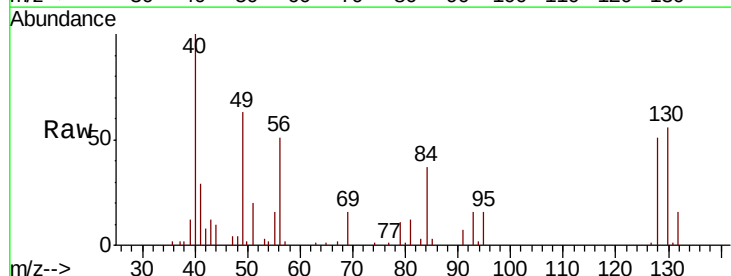
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



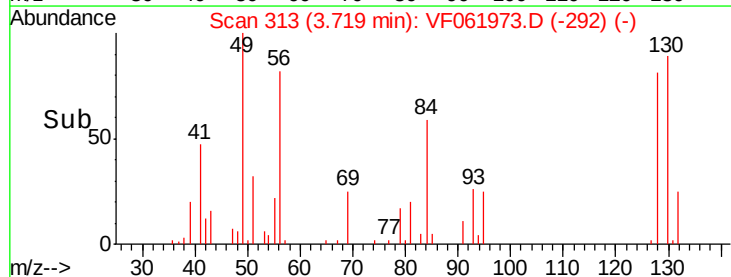
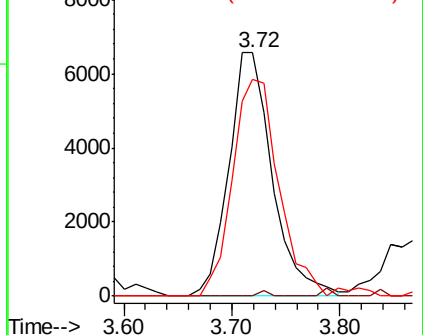
#28

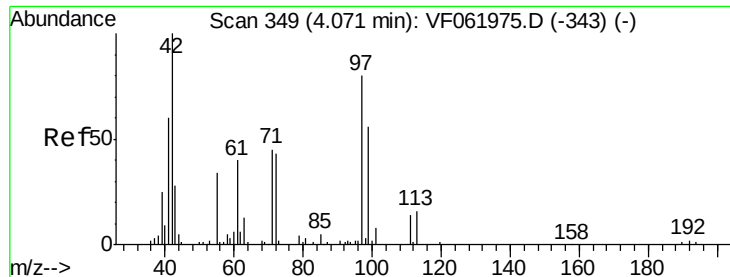
Bromochloromethane
 Concen: 10.856 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion: 49 Resp: 18423
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.8
 130 88.9 73.1 109.7



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





#29

Tetrahydrofuran

Concen: 53.742 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

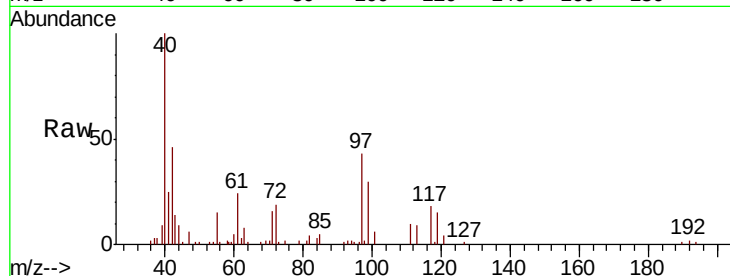
Tot Ion: 42 Resp: 20308

Ion Ratio Lower Upper

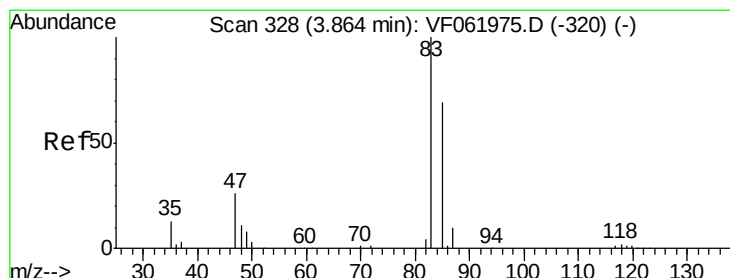
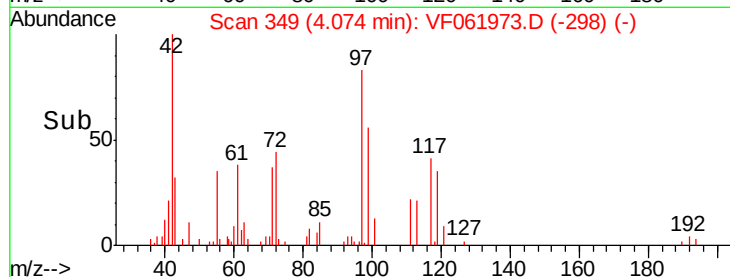
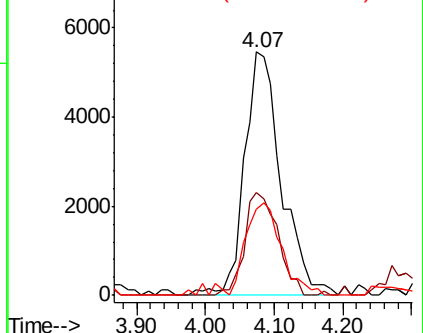
42 100

72 38.3 34.0 51.0

71 36.9 34.2 51.4



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



#30

Chloroform

Concen: 10.471 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF061973.D

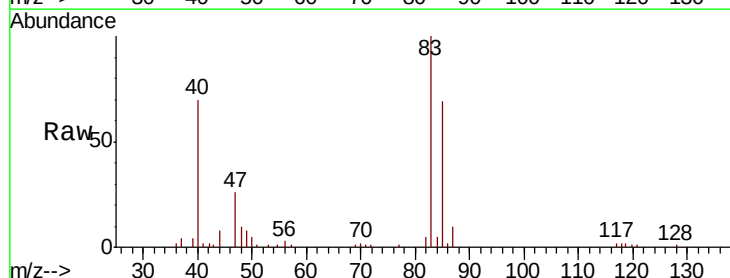
Acq: 16 Mar 2019 11:11

Tgt Ion: 83 Resp: 48521

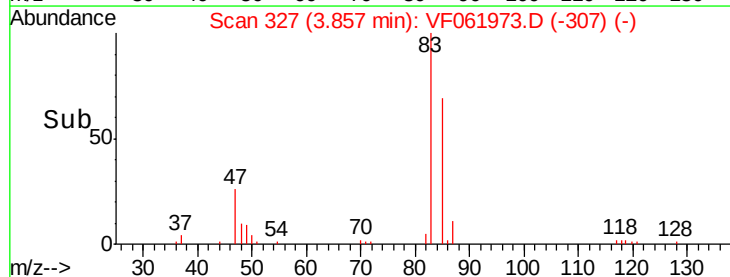
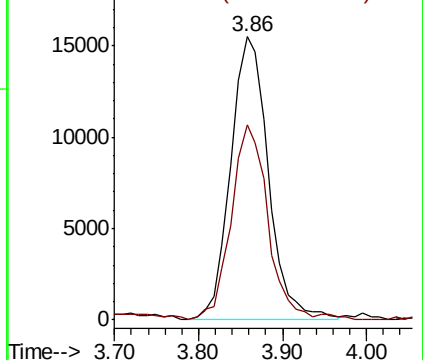
Ion Ratio Lower Upper

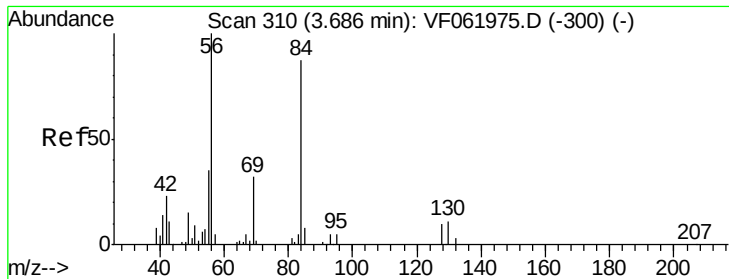
83 100

85 69.0 55.5 83.3



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





#31

Cyclohexane

Concen: 8.140 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

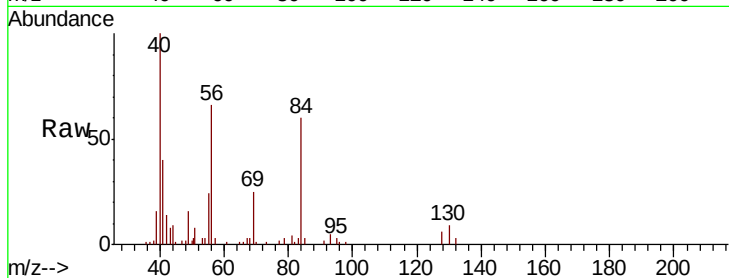
Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 32615

Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.8	38.8
84	90.6	69.5	104.3

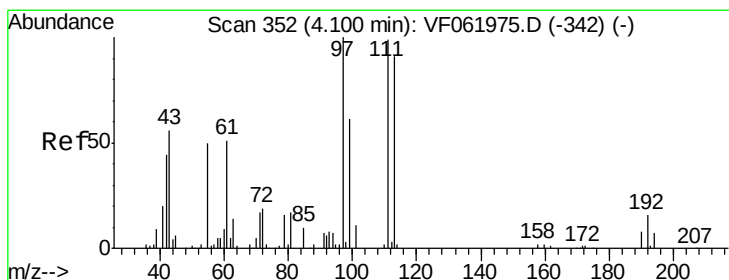
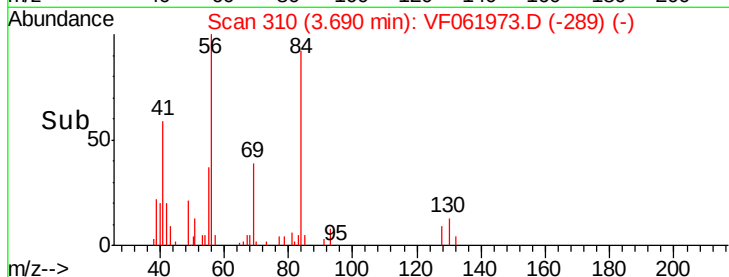
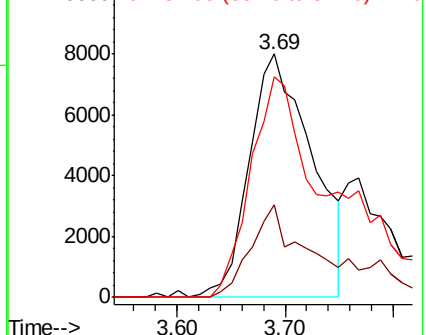


Abundance

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: 9.372 ug/l

RT: 4.09 min Scan# 351

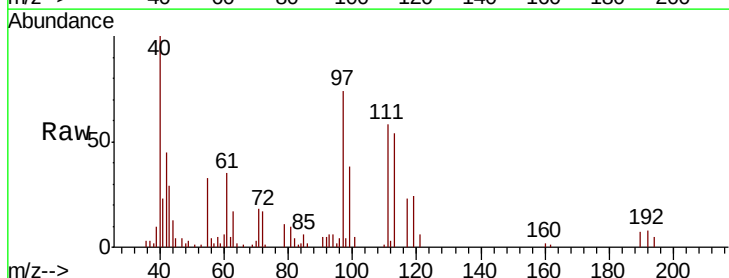
Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion: 97 Resp: 28842

Ion	Ratio	Lower	Upper
97	100		
99	50.9	49.0	73.4
61	47.7	41.4	62.0

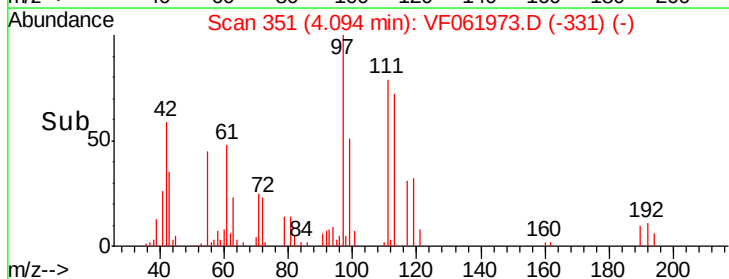
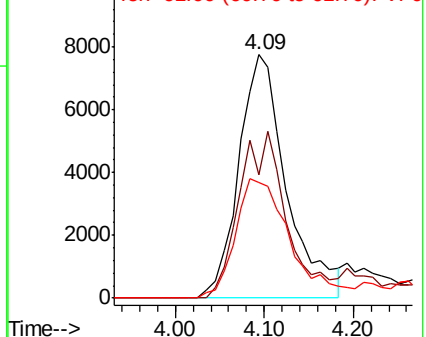


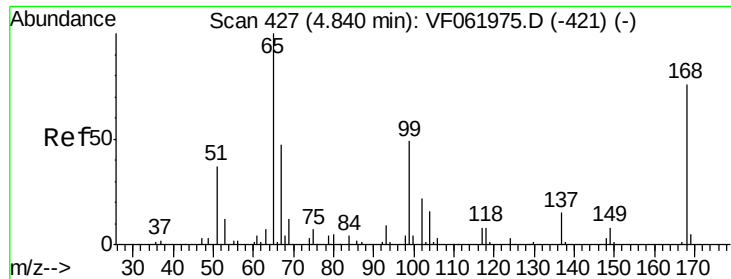
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

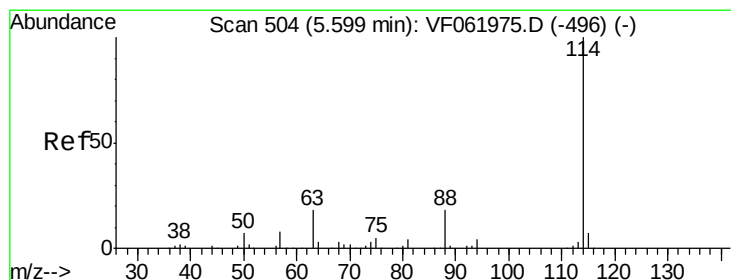
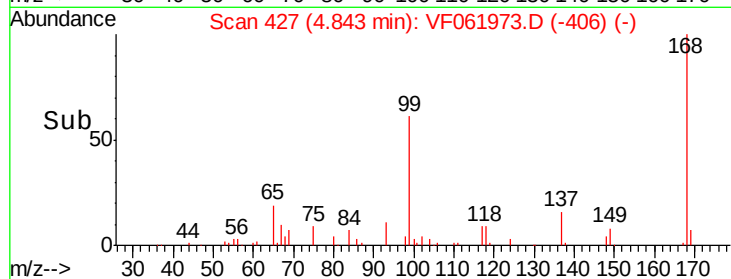
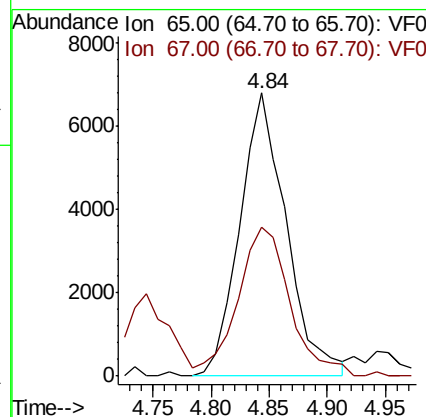
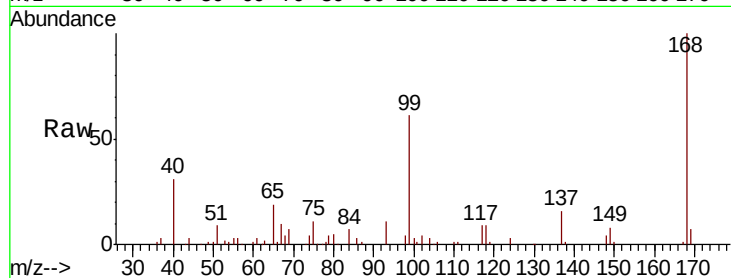




#33
 1,2-Dichloroethane-d4
 Concen: 9.629 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

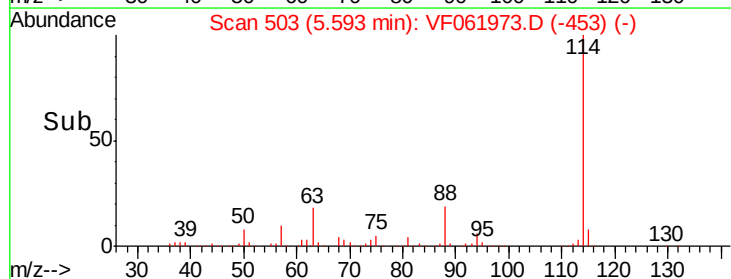
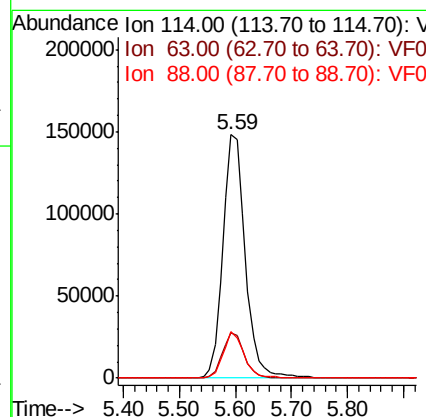
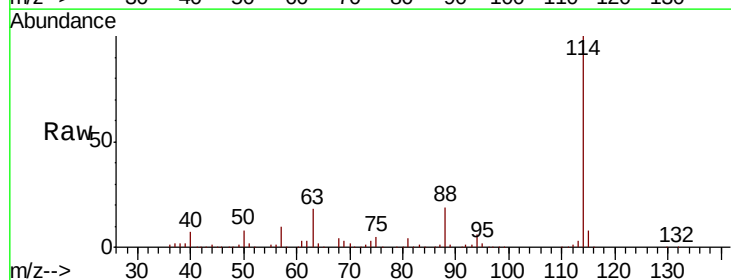
Instrument :
 MSVOA_F
 ClientSampleId :

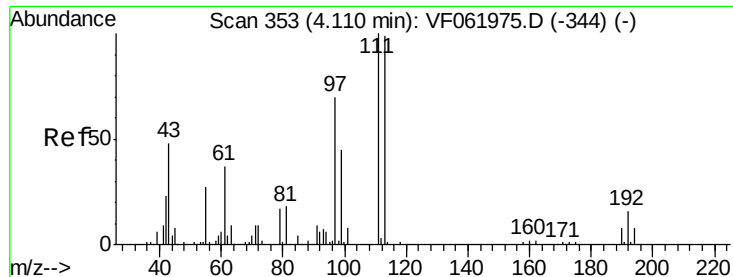
Tot Ion: 65 Resp: 18813
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion: 114 Resp: 413374
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 19.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 10.237 ug/l

RT: 4.11 min Scan# 353

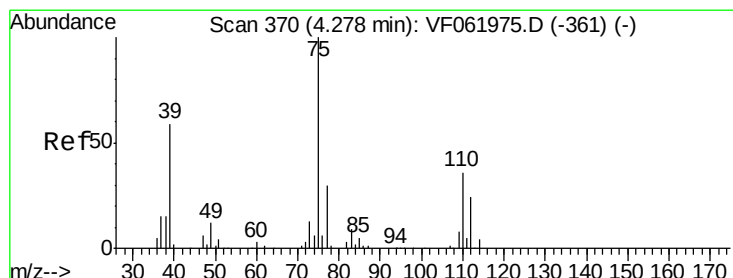
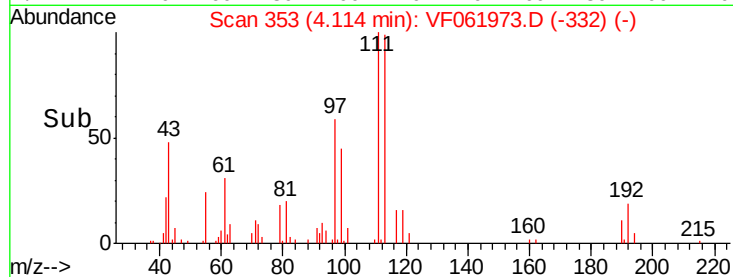
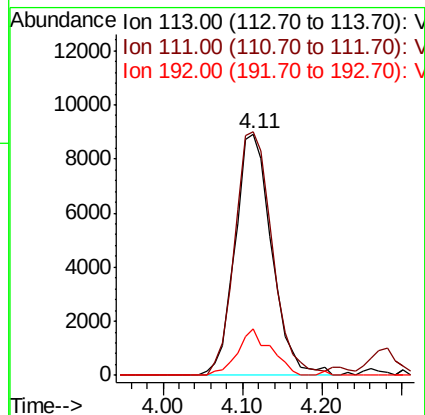
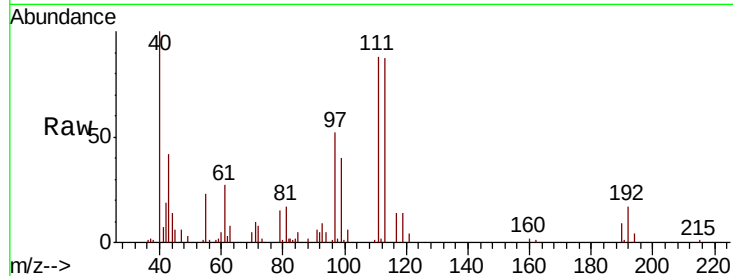
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:113 Resp: 28417
Ion Ratio Lower Upper
113 100
111 100.9 80.8 121.2
192 19.4 13.0 19.6



#36

1,1-Dichloropropene

Concen: 10.463 ug/l

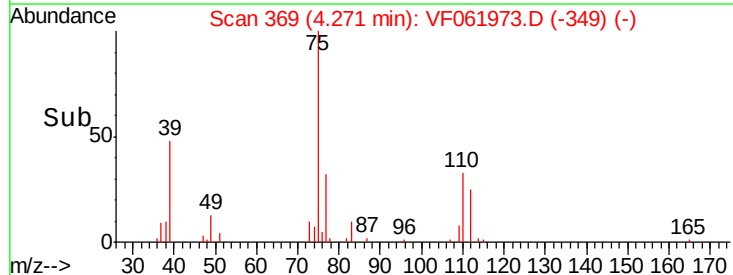
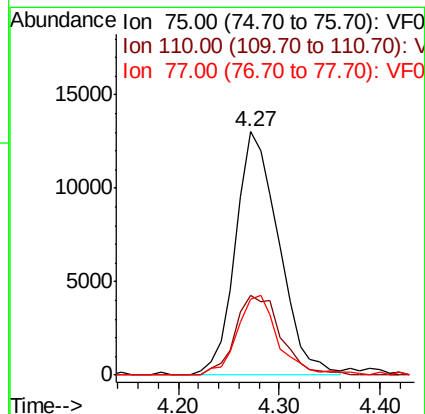
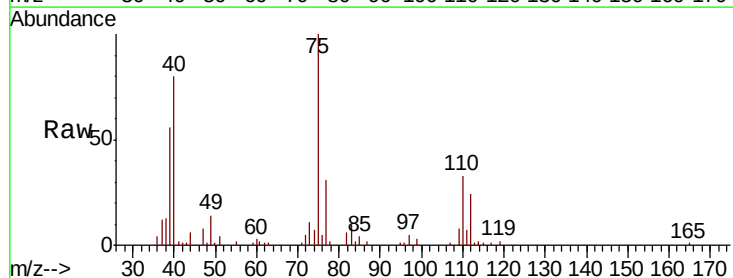
RT: 4.27 min Scan# 369

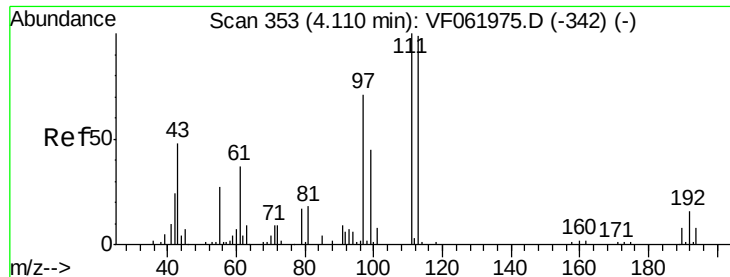
Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion: 75 Resp: 39059
Ion Ratio Lower Upper
75 100
110 32.9 17.8 53.3
77 31.2 24.2 36.2

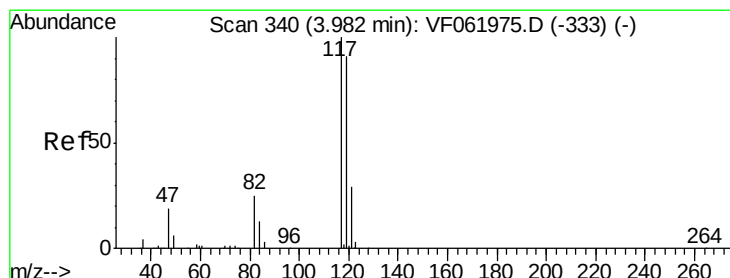
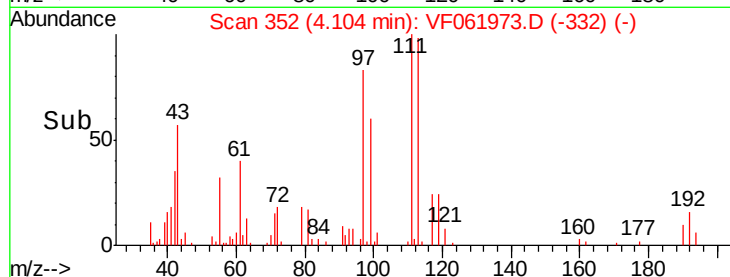
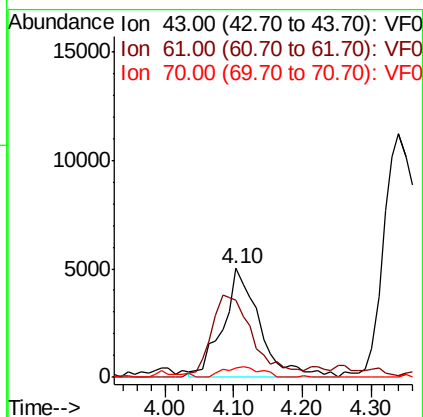
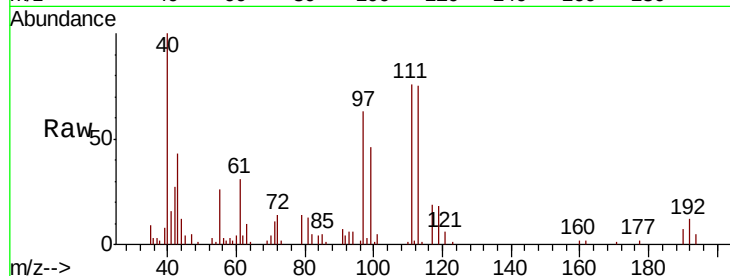




#37
Ethyl Acetate
Concen: 11.102 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

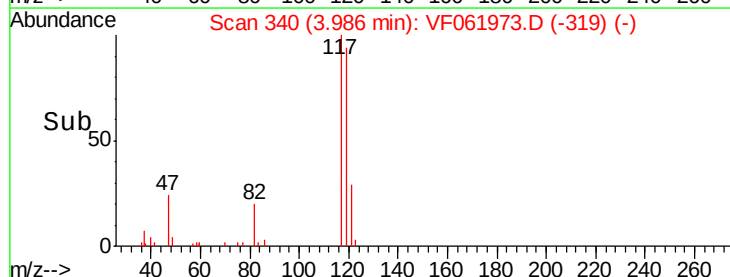
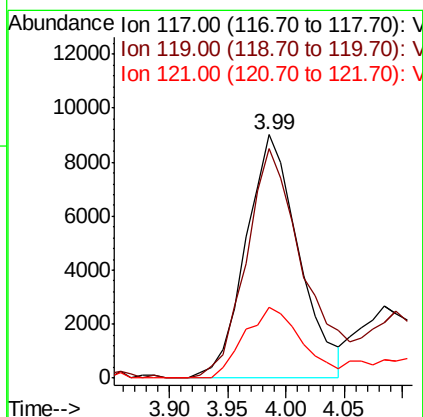
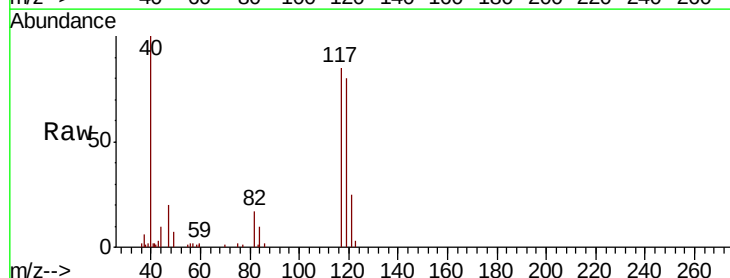
Instrument :
MSVOA_F
ClientSampled :

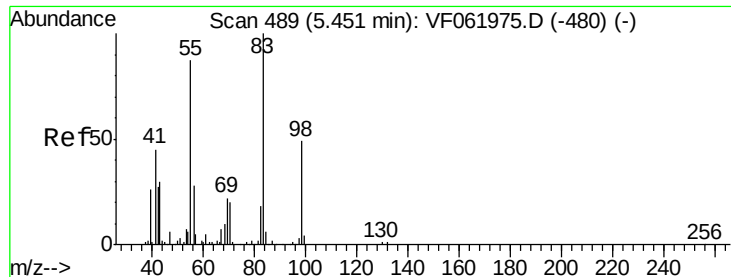
Tot Ion: 43 Resp: 18609
Ion Ratio Lower Upper
43 100
61 71.2 59.8 89.6
70 8.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 10.409 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 117 Resp: 28397
Ion Ratio Lower Upper
117 100
119 94.3 73.0 109.4
121 29.3 23.0 34.6

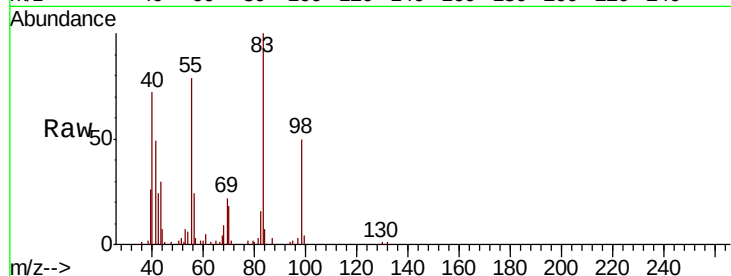




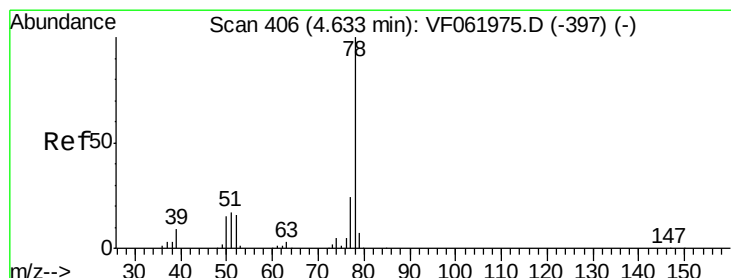
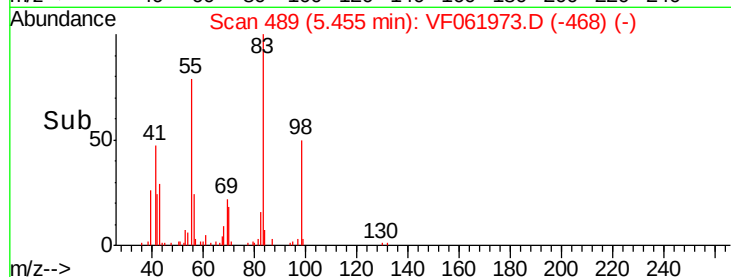
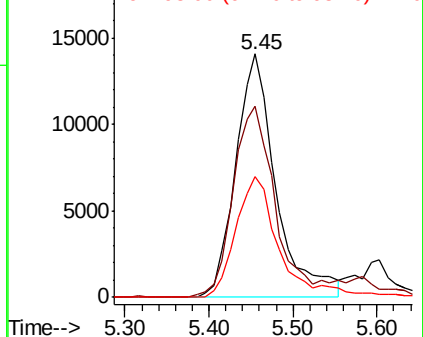
#39
Methylvlcyclohexane
Concen: 10.709 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 46933
Ion Ratio Lower Upper
83 100
55 78.5 69.7 104.5
98 49.8 39.4 59.0

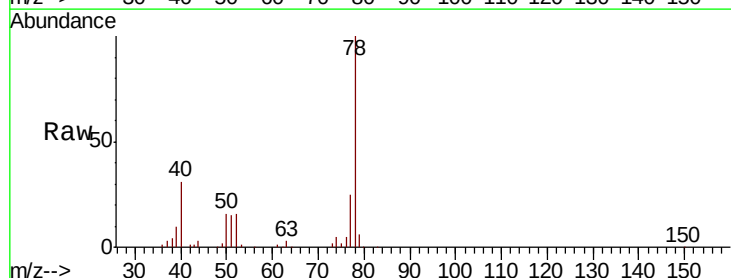


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

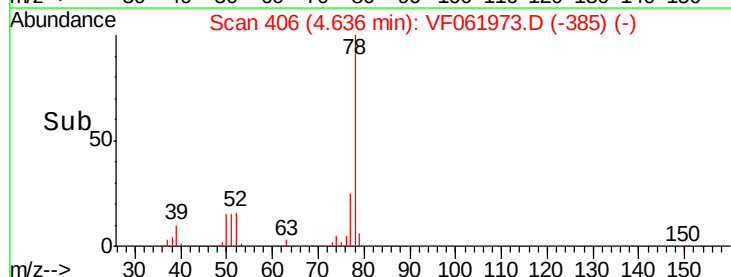
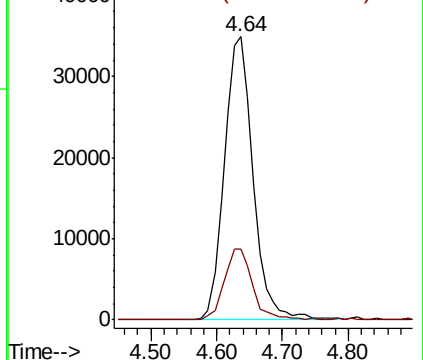


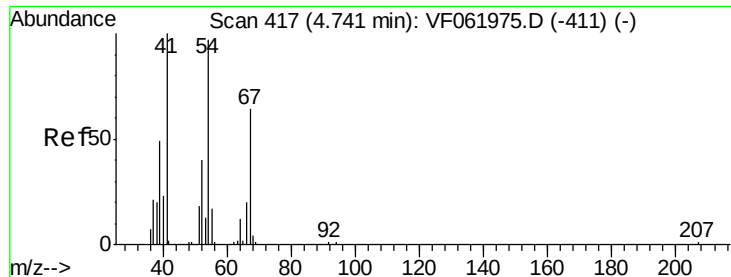
#40
Benzene
Concen: 10.774 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 78 Resp: 106574
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.4



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

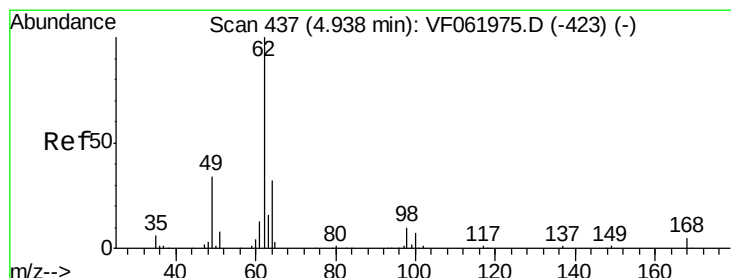
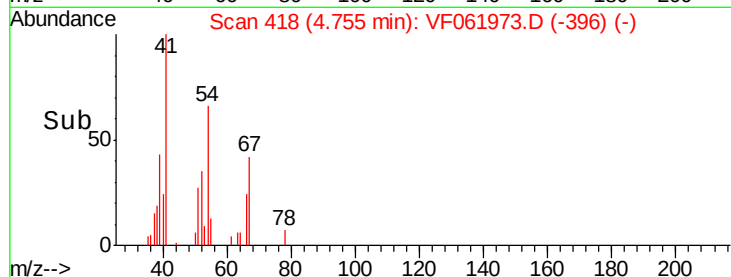
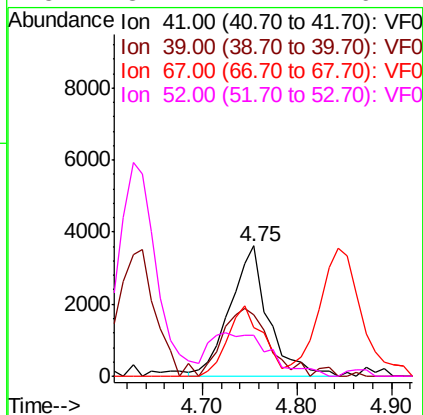
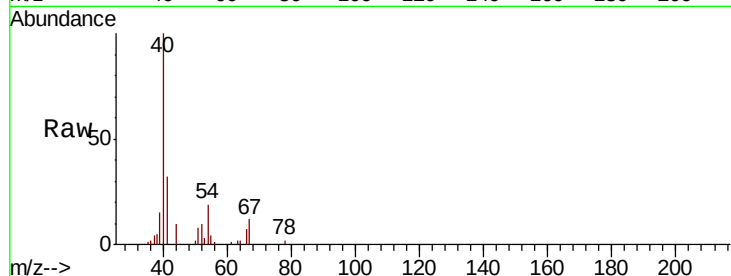




#41
Methacrylonitrile
Concen: 11.354 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

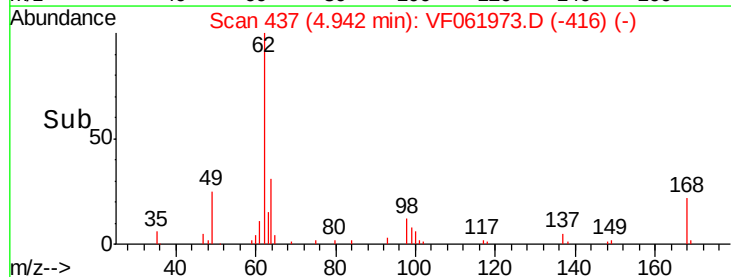
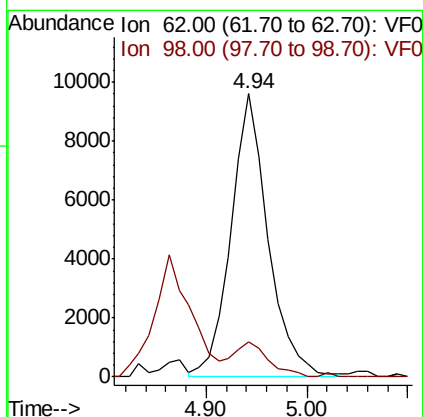
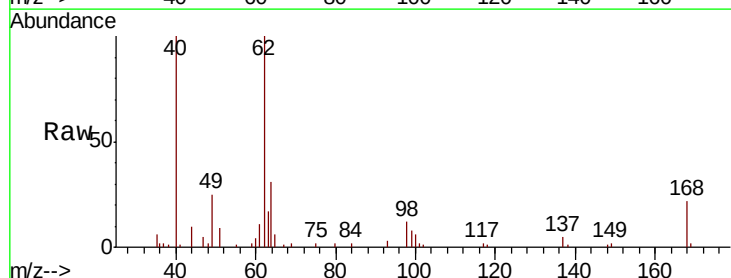
Instrument :
MSVOA_F
ClientSampleId :

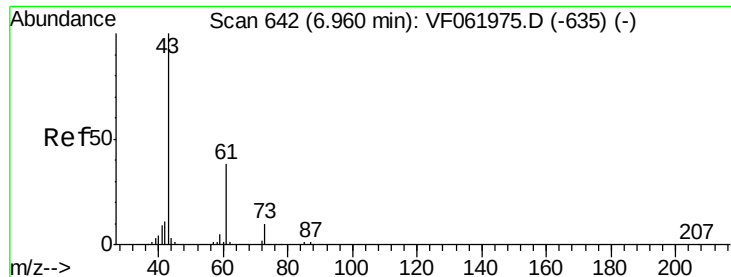
Tot Ion	Ratio	Lower	Upper
41	100		
39	47.0	46.2	69.4
67	37.4	49.8	74.8#
52	31.1	42.7	64.1#



#42
1,2-Dichloroethane
Concen: 10.015 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.3	0.0	19.8

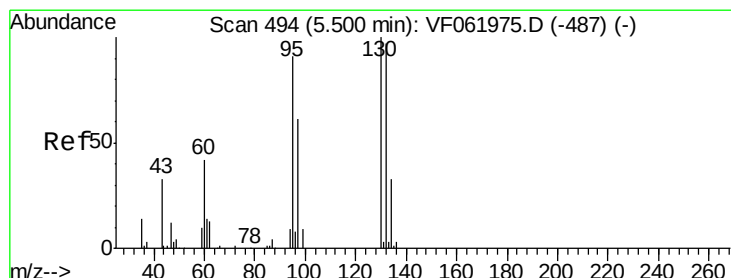
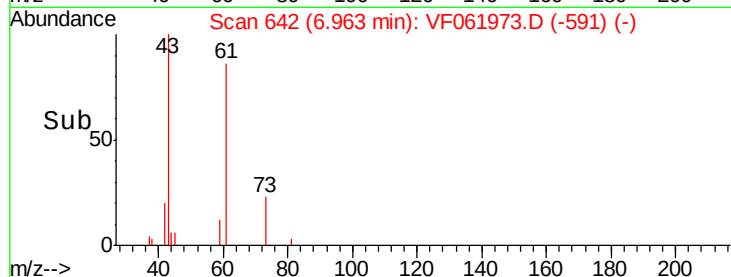
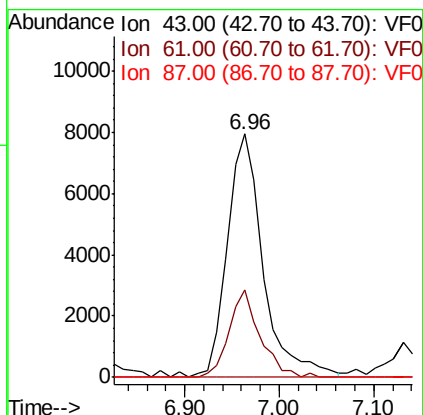
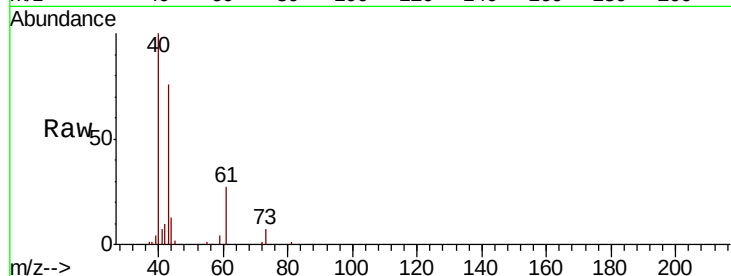




#43
Isopropyl Acetate
Concen: 10.530 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

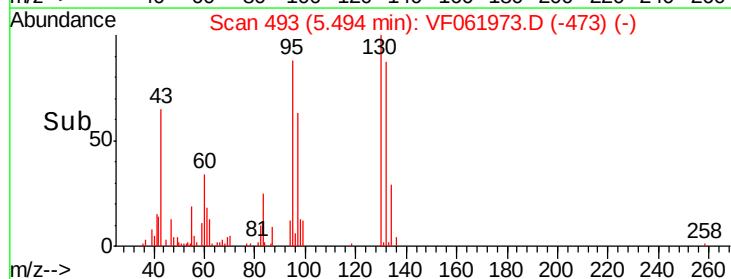
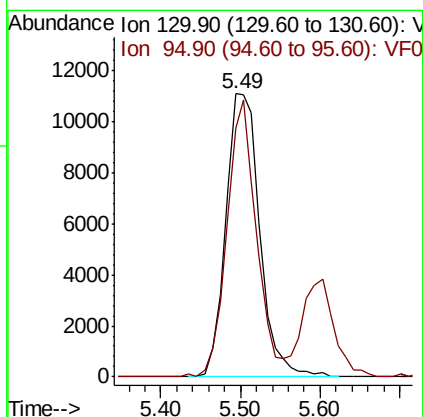
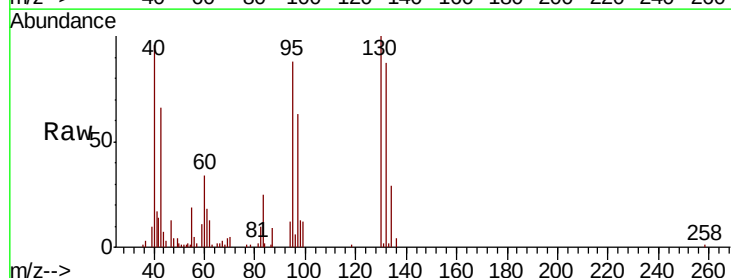
Instrument :
MSVOA_F
ClientSampleId :

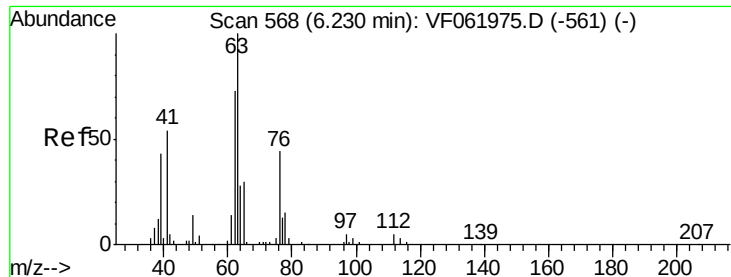
Tot Ion: 43 Resp: 20883
Ion Ratio Lower Upper
43 100
61 35.9 30.1 45.1
87 0.0 0.4 0.6#



#44
Trichloroethene
Concen: 10.911 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:130 Resp: 33061
Ion Ratio Lower Upper
130 100
95 88.1 0.0 181.4





#45

1,2-Dichloropropane

Concen: 9.901 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

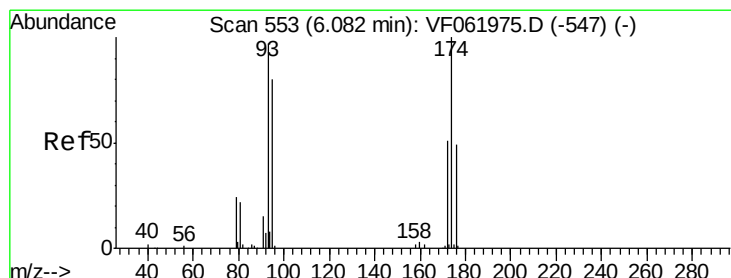
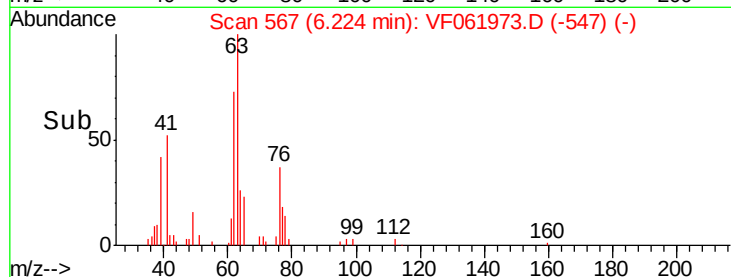
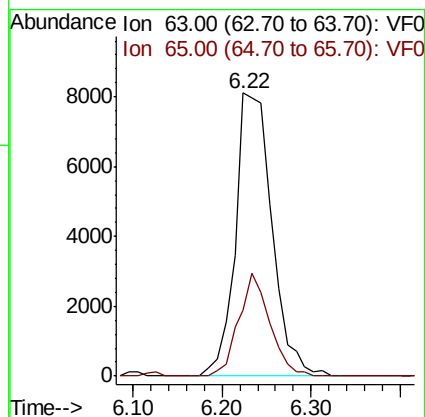
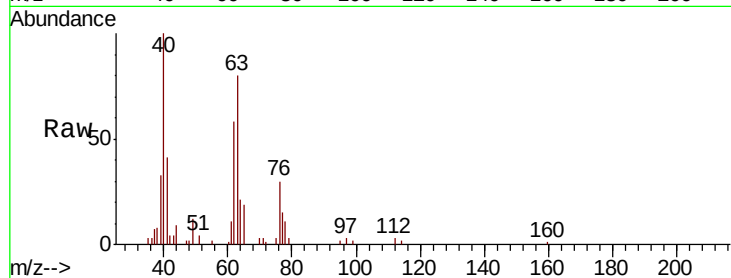
ClientSampleId :

Tot Ion: 63 Resp: 23177

Ion Ratio Lower Upper

63 100

65 23.2 23.7 35.5#



#46

Dibromomethane

Concen: 10.066 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

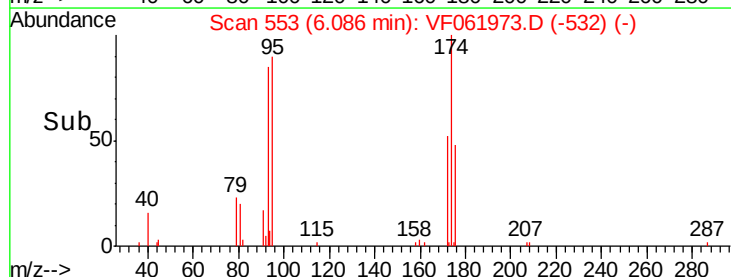
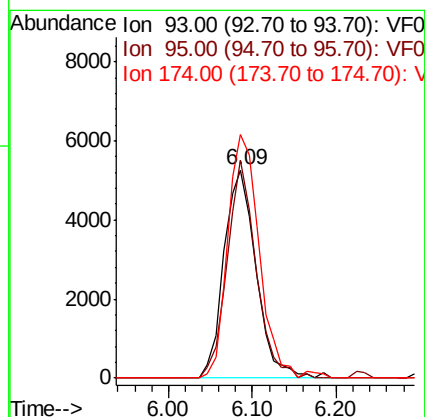
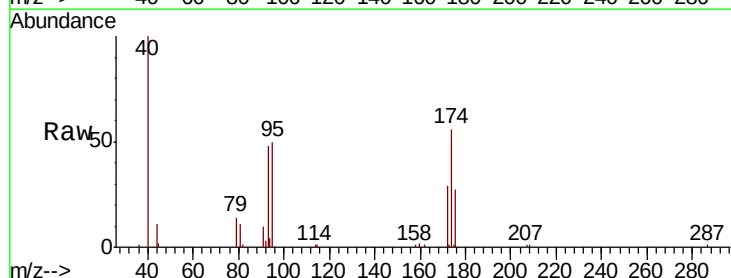
Tgt Ion: 93 Resp: 14018

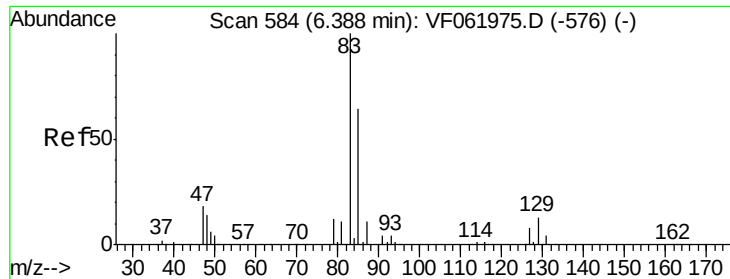
Ion Ratio Lower Upper

93 100

95 105.1 65.7 98.5#

174 117.2 82.2 123.4





#47

Bromodichloromethane

Concen: 10.933 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

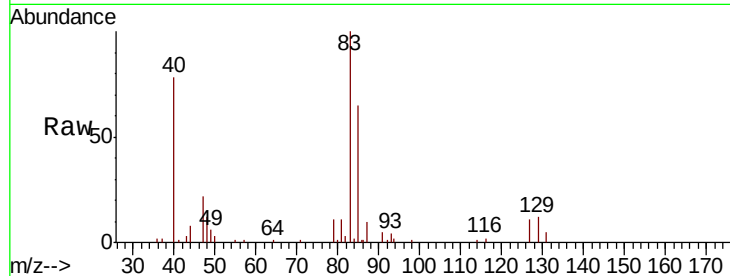
Tot Ion: 83 Resp: 35892

Ion Ratio Lower Upper

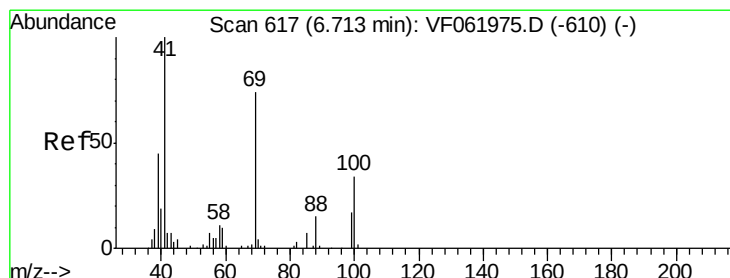
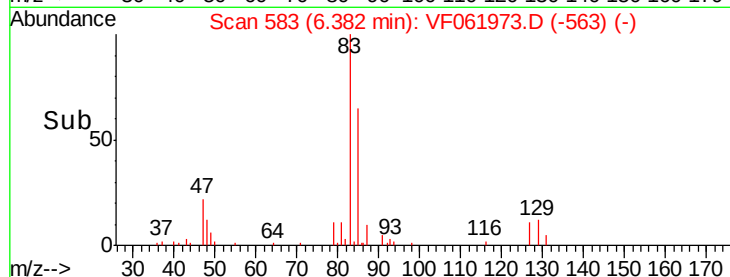
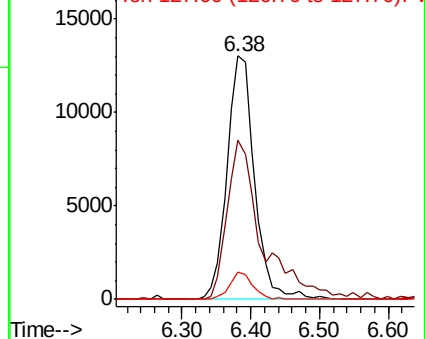
83 100

85 65.4 51.4 77.2

127 11.0 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: 11.088 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

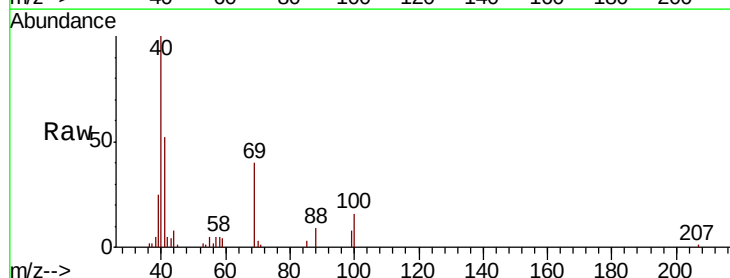
Tgt Ion: 41 Resp: 14211

Ion Ratio Lower Upper

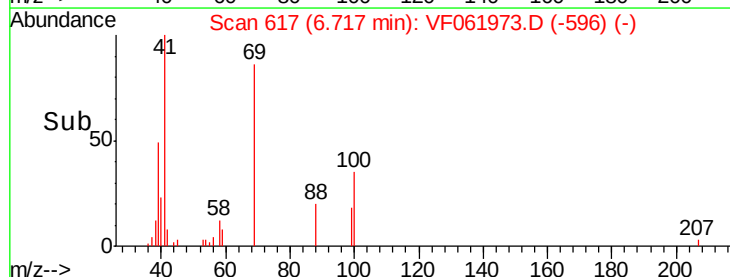
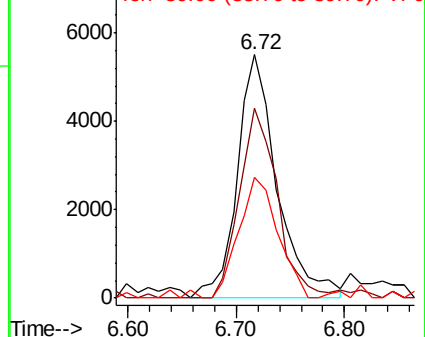
41 100

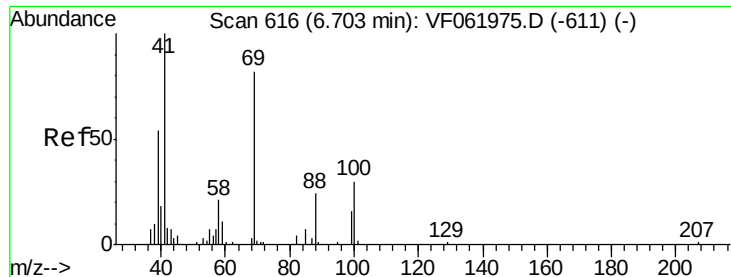
69 78.0 59.0 88.6

39 49.5 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

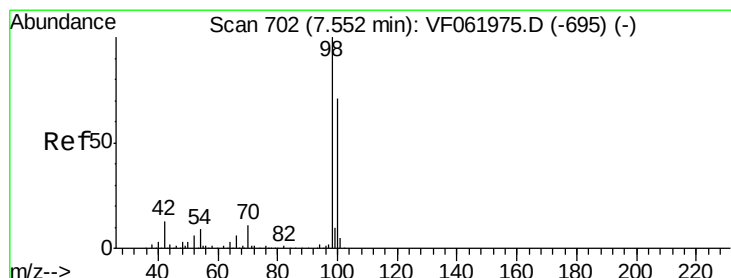
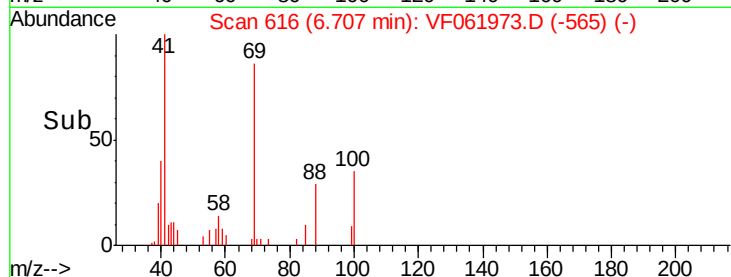
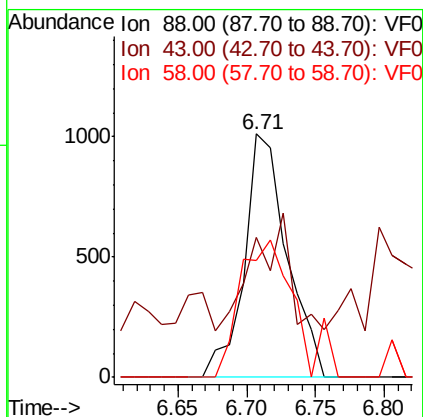
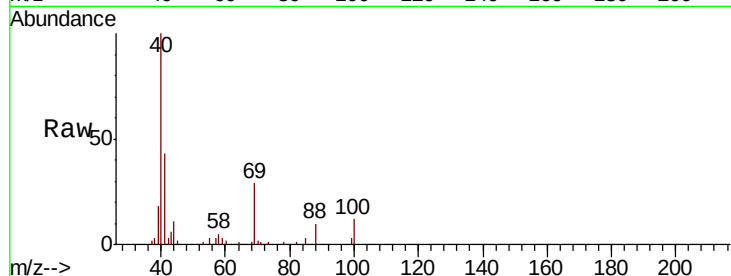




#49
1,4-Dioxane
Concen: 192.445 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

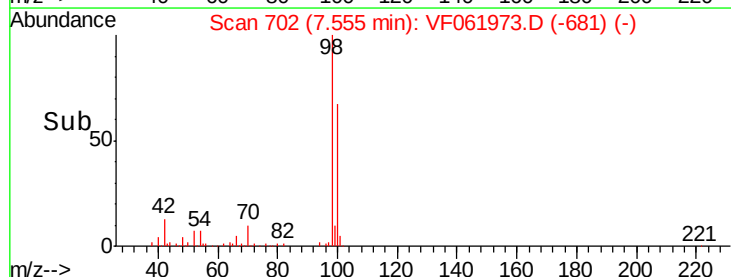
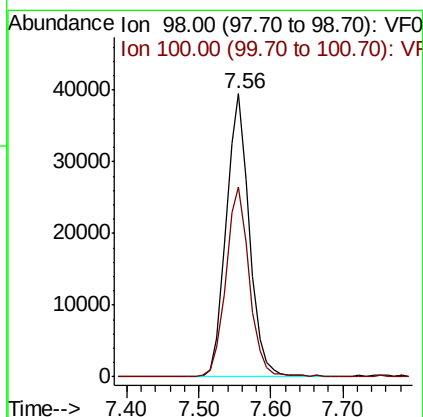
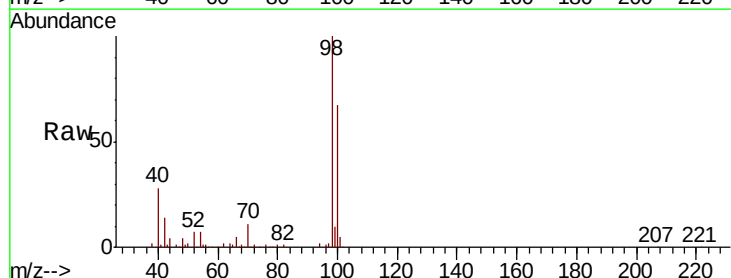
Instrument :
MSVOA_F
ClientSampleId :

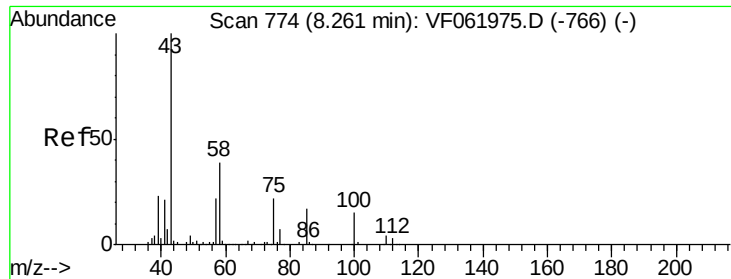
Tot Ion: 88 Resp: 2194
Ion Ratio Lower Upper
88 100
43 57.3 31.2 46.8#
58 48.2 69.9 104.9#



#50
Toluene-d8
Concen: 10.834 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 98 Resp: 87911
Ion Ratio Lower Upper
98 100
100 67.1 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 50.878 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

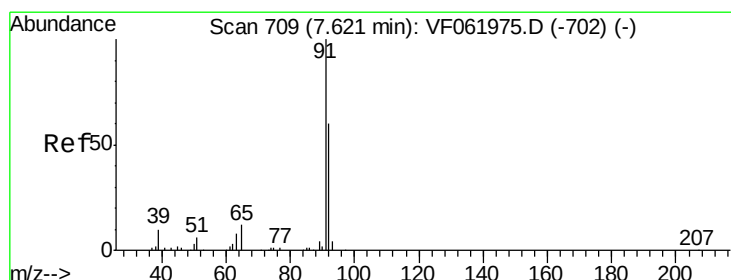
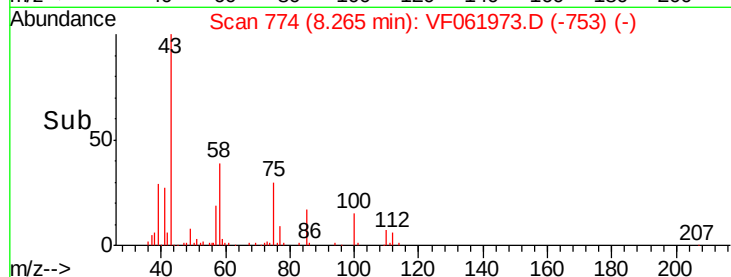
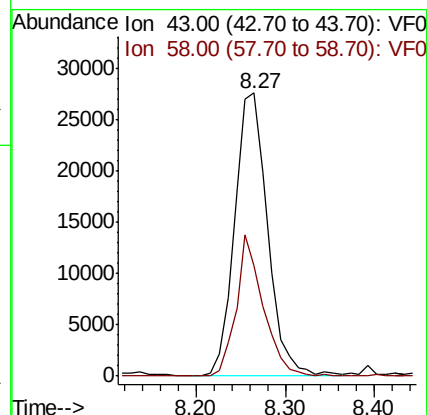
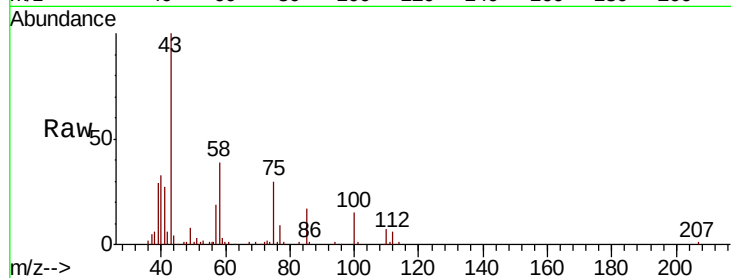
ClientSampleId :

Tot Ion: 43 Resp: 71649

Ion Ratio Lower Upper

43 100

58 39.2 31.1 46.7



#52

Toluene

Concen: 10.359 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061973.D

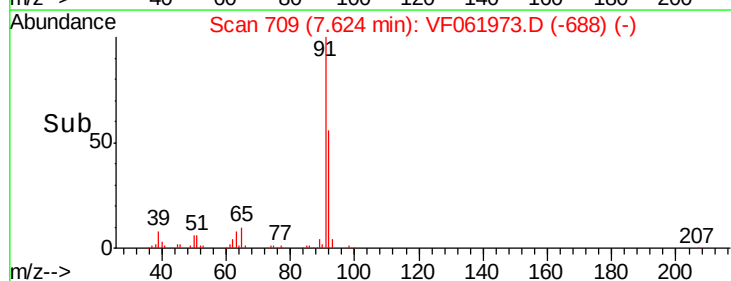
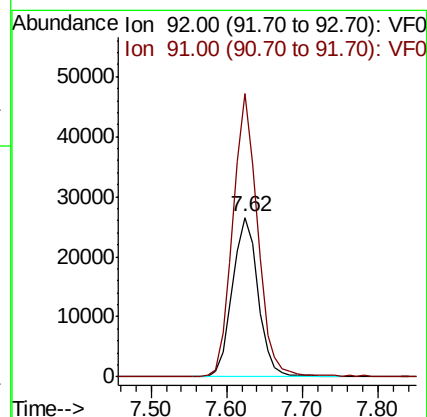
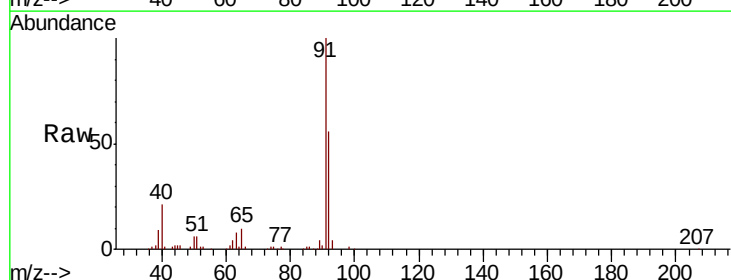
Acq: 16 Mar 2019 11:11

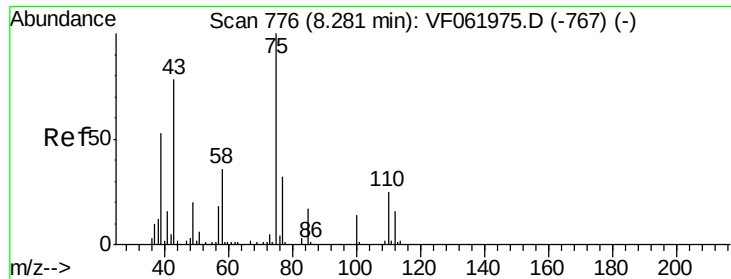
Tgt Ion: 92 Resp: 62605

Ion Ratio Lower Upper

92 100

91 177.3 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 10.265 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

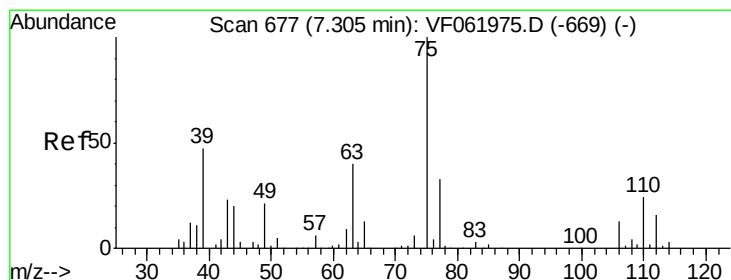
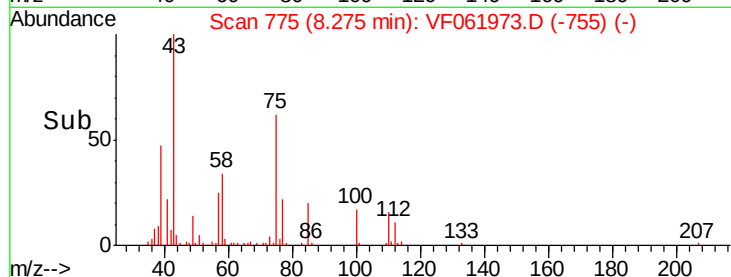
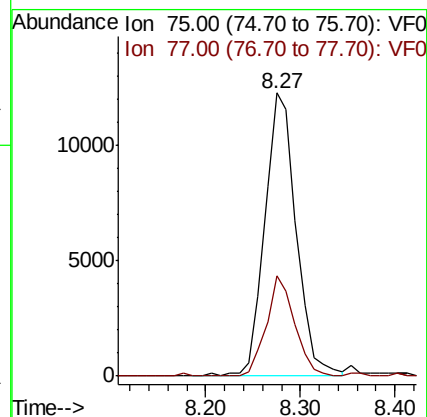
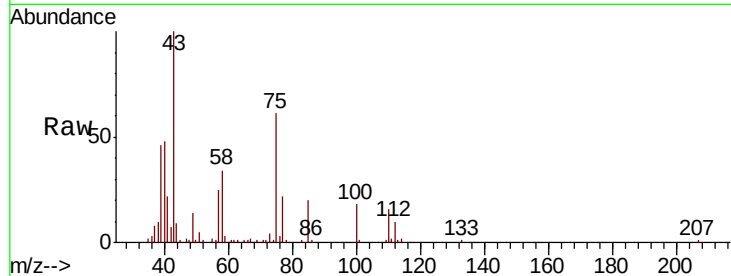
ClientSampleId :

Tot Ion: 75 Resp: 28452

Ion Ratio Lower Upper

75 100

77 35.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 10.470 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

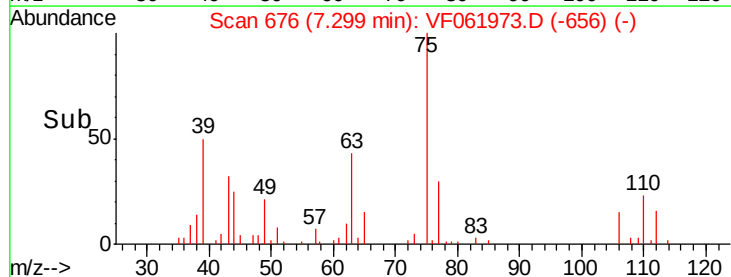
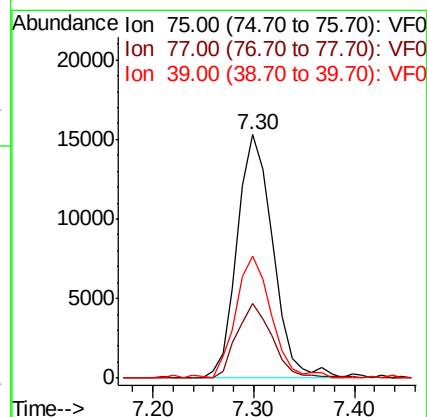
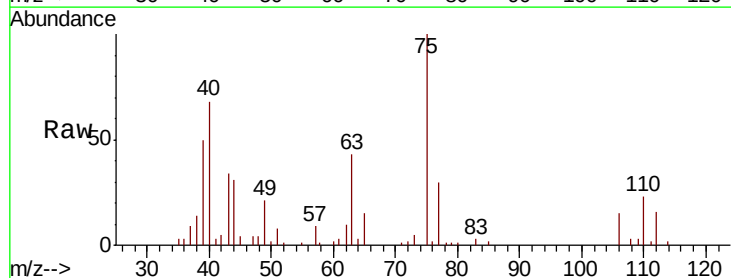
Tgt Ion: 75 Resp: 37865

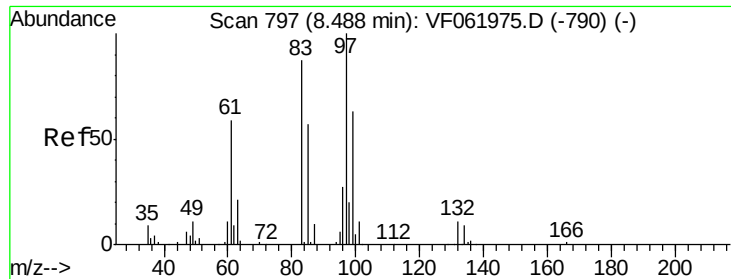
Ion Ratio Lower Upper

75 100

77 30.4 26.4 39.6

39 50.0 38.0 57.0

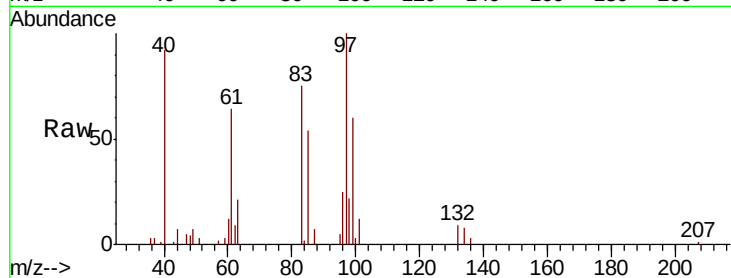




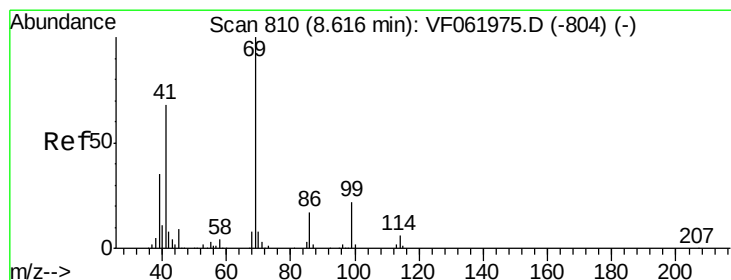
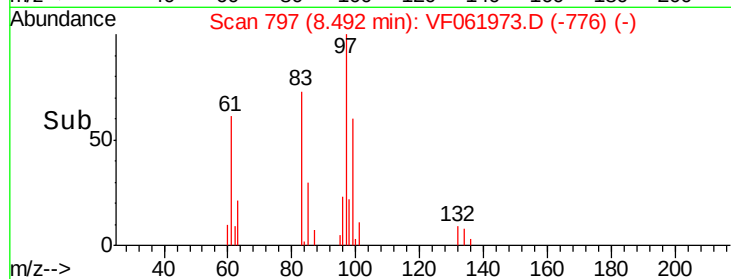
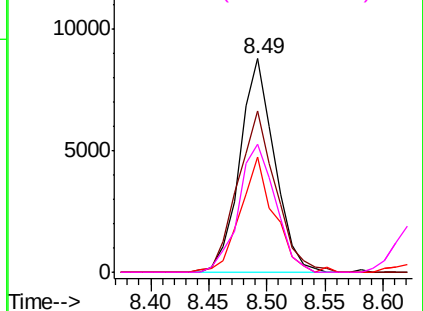
#55
 1,1,2-Trichloroethane
 Concen: 10.770 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 97 Resp: 18166
 Ion Ratio Lower Upper
 97 100
 83 75.4 69.7 104.5
 85 54.1 45.8 68.6
 99 59.7 50.3 75.5

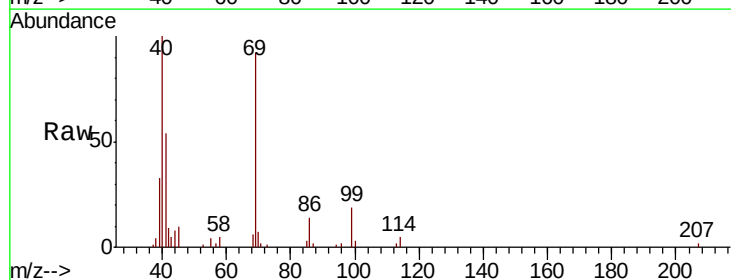


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

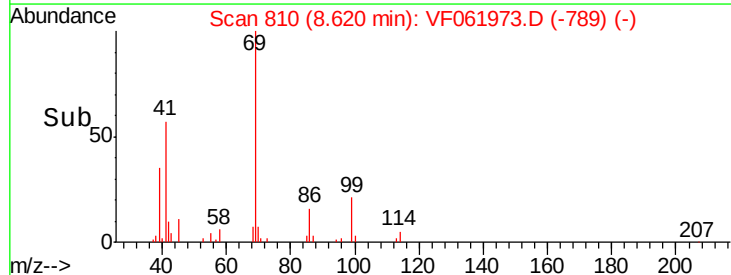
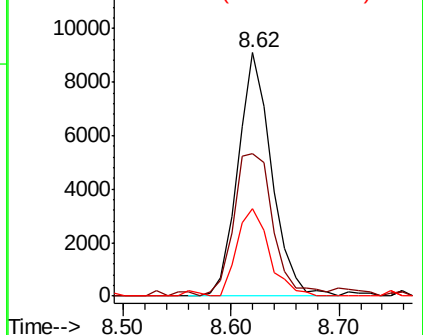


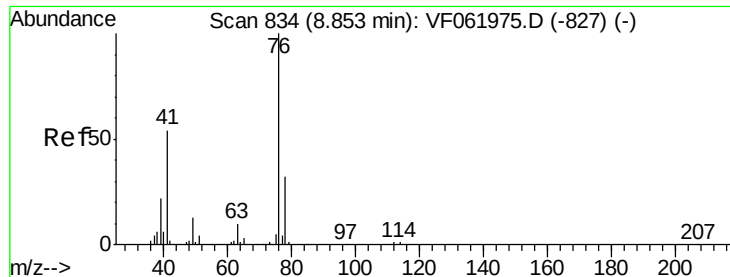
#56
 Ethyl methacrylate
 Concen: 10.248 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion: 69 Resp: 19651
 Ion Ratio Lower Upper
 69 100
 41 58.6 54.7 82.1
 39 36.1 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

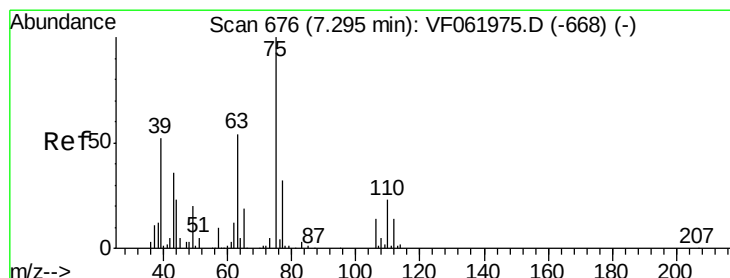
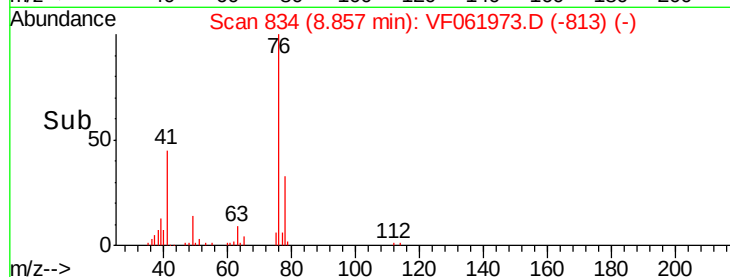
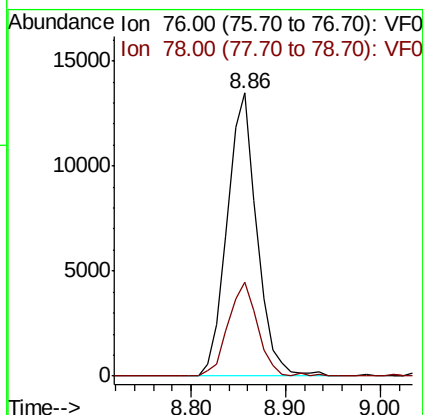
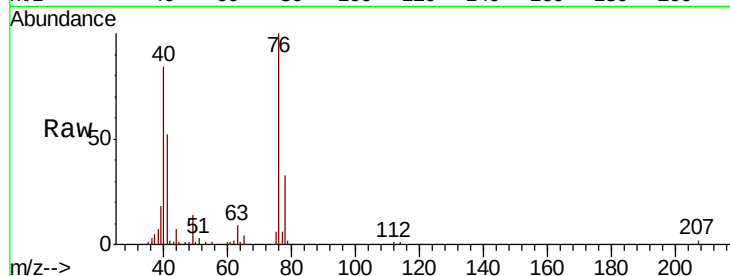




#57
 1,3-Dichloropropane
 Concen: 10.432 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

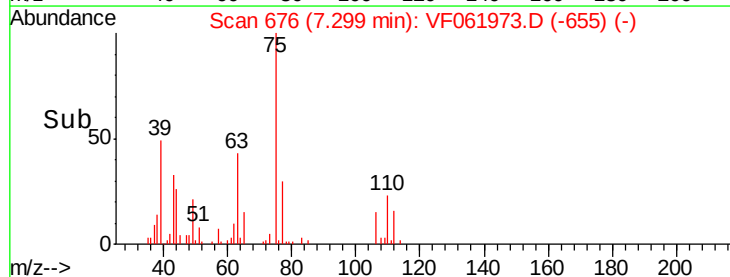
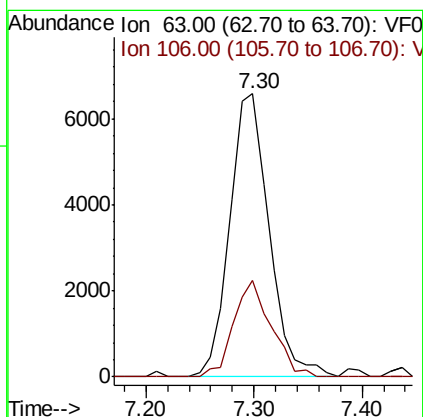
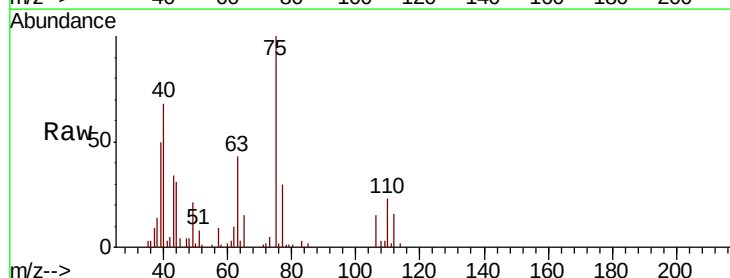
Instrument :
 MSVOA_F
 ClientSampleId :

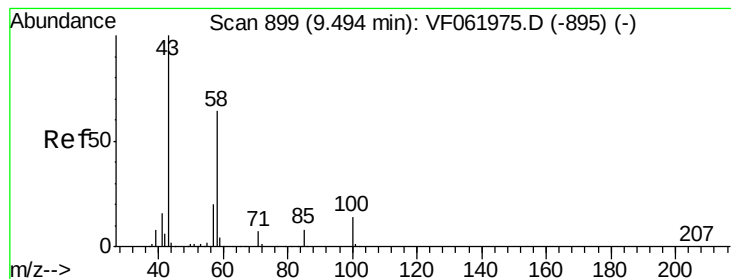
Tot Ion: 76 Resp: 29352
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.078 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion: 63 Resp: 16698
 Ion Ratio Lower Upper
 63 100
 106 34.2 20.9 31.3#





#59

2-Hexanone

Concen: 55.112 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

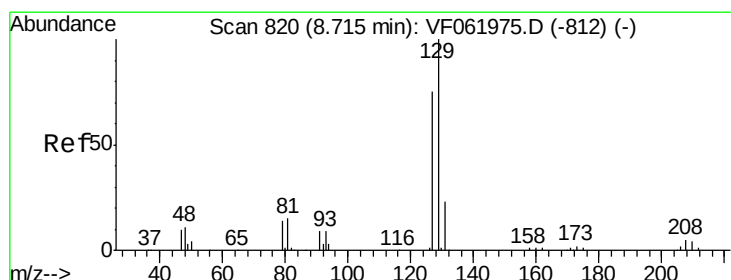
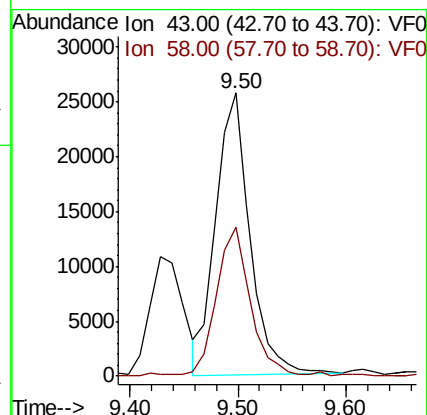
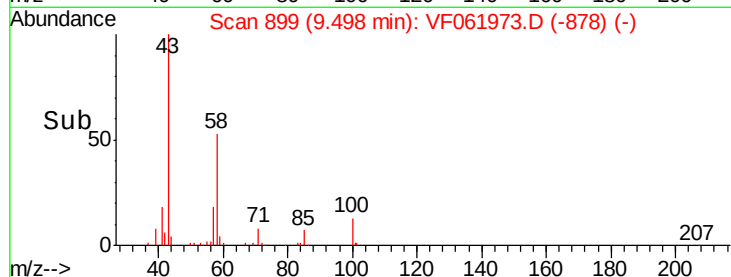
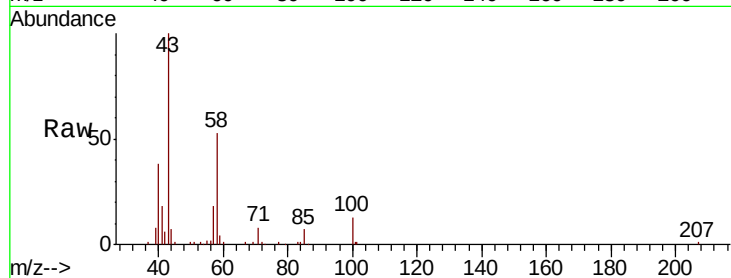
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 56168

Ion Ratio Lower Upper

43 100

58 52.5 28.4 85.2



#60

Dibromochloromethane

Concen: 9.706 ug/l

RT: 8.72 min Scan# 820

Delta R.T. 0.00 min

Lab File: VF061973.D

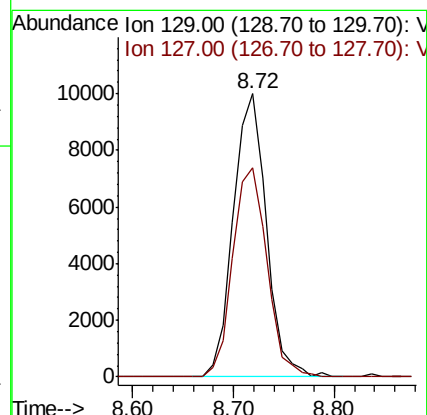
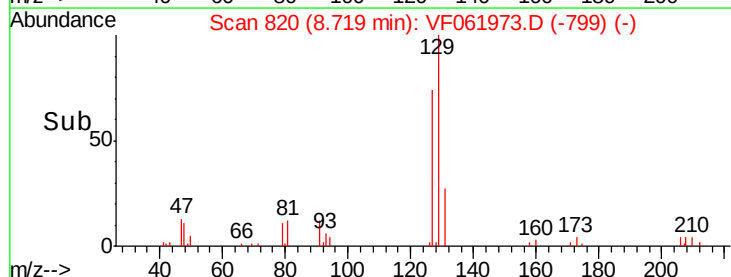
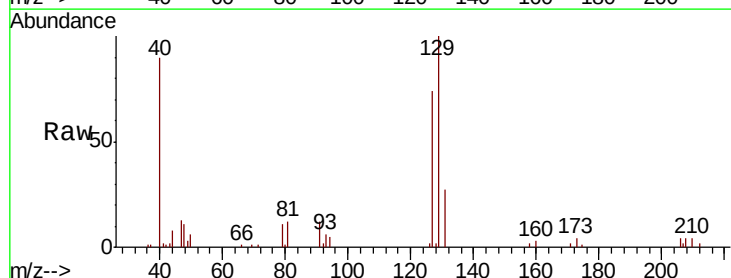
Acq: 16 Mar 2019 11:11

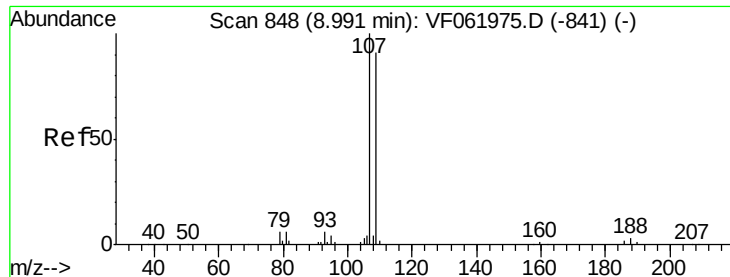
Tgt Ion: 129 Resp: 22729

Ion Ratio Lower Upper

129 100

127 73.7 37.3 111.8





#61

1,2-Dibromoethane

Concen: 10.559 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

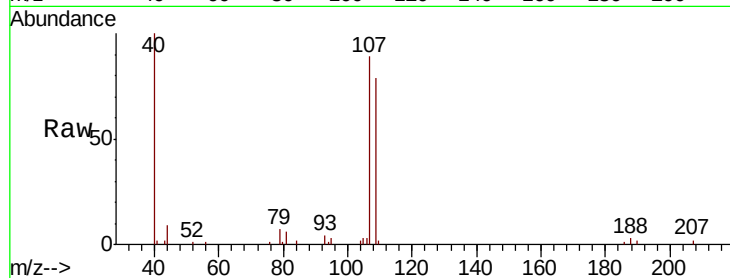
ClientSampleId :

Tot Ion:107 Resp: 19104

Ion Ratio Lower Upper

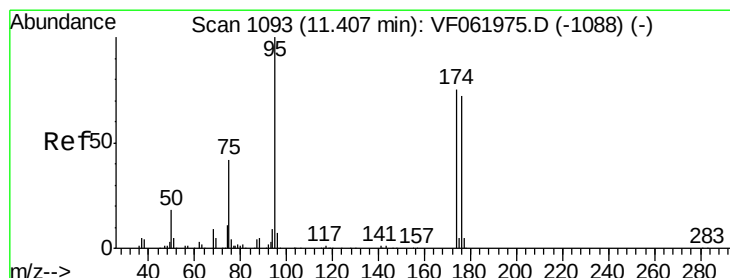
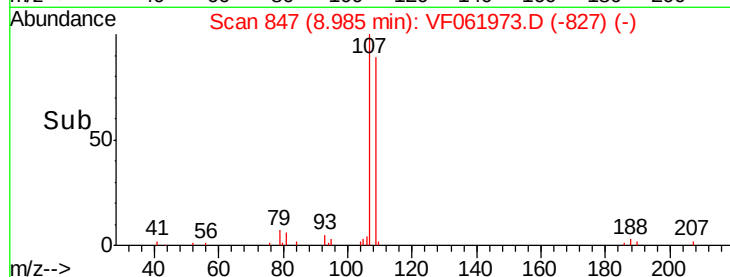
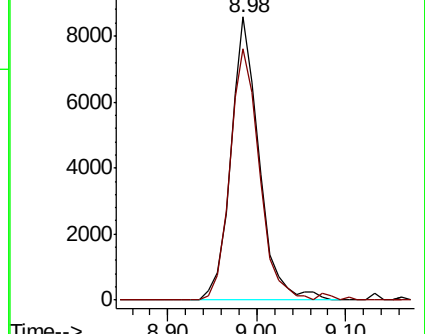
107 100

109 91.5 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 11.198 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

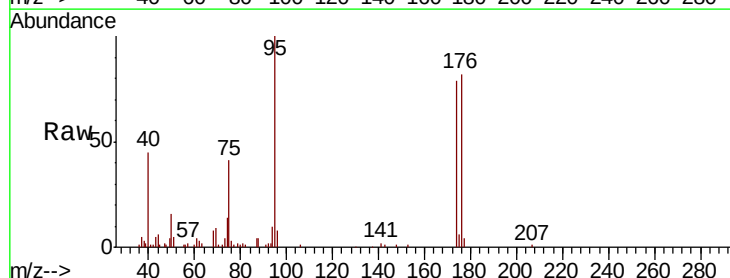
Tgt Ion: 95 Resp: 36098

Ion Ratio Lower Upper

95 100

174 79.3 0.0 149.4

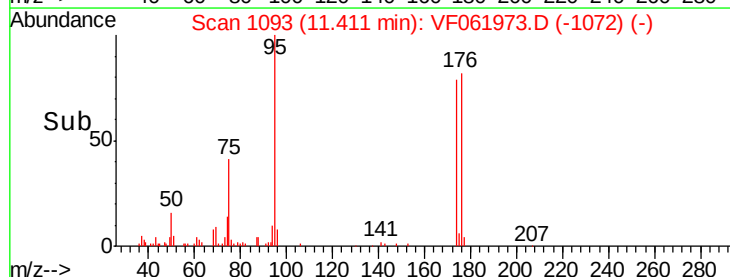
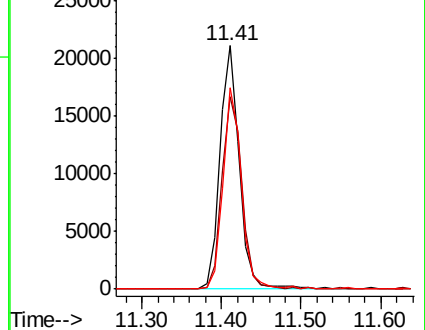
176 82.5 0.0 143.4

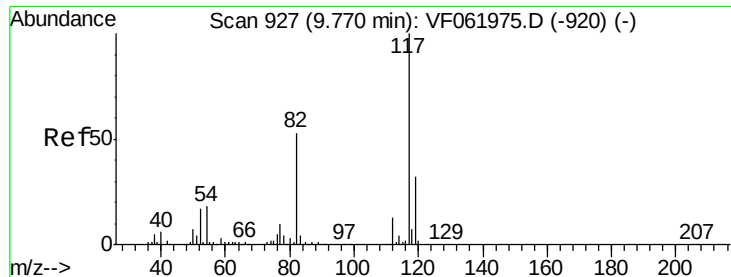


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

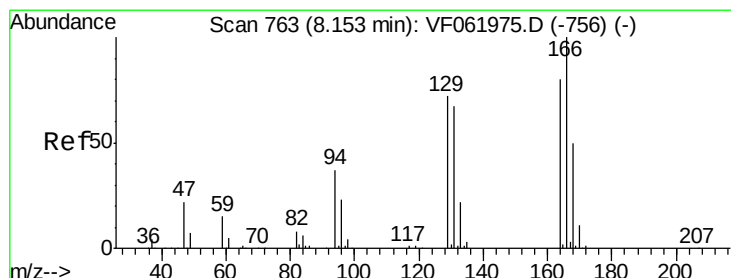
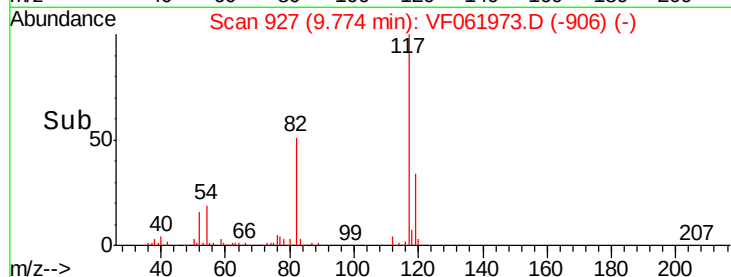
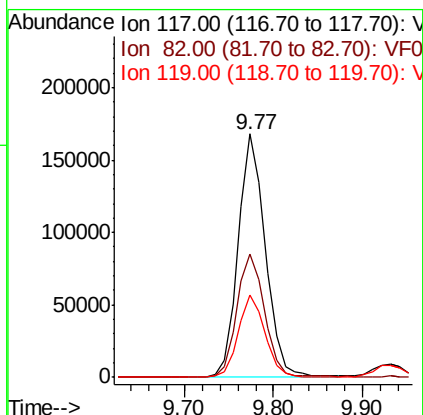
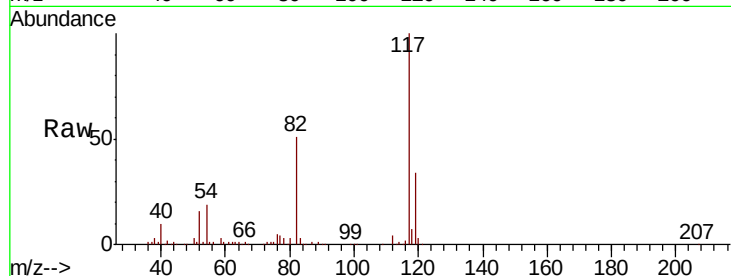




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

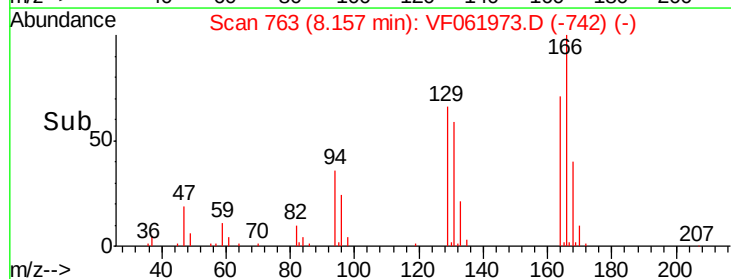
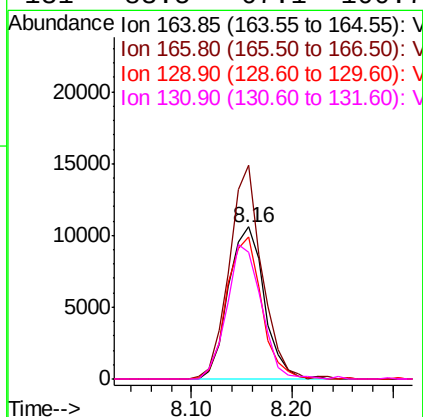
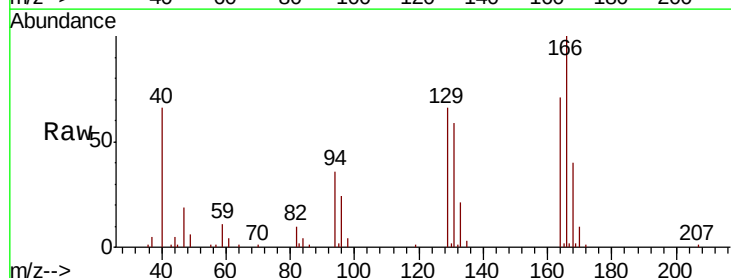
Instrument :
MSVOA_F
ClientSampleId :

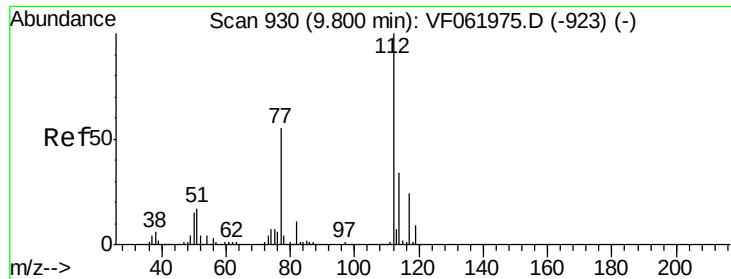
Tot Ion:117 Resp: 357267
Ion Ratio Lower Upper
117 100
82 50.8 42.5 63.7
119 33.7 25.4 38.0



#64
Tetrachloroethene
Concen: 10.120 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:164 Resp: 26282
Ion Ratio Lower Upper
164 100
166 140.6 100.0 150.0
129 93.2 72.4 108.6
131 83.5 67.1 100.7

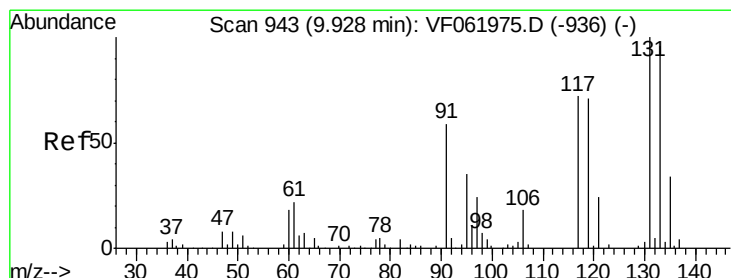
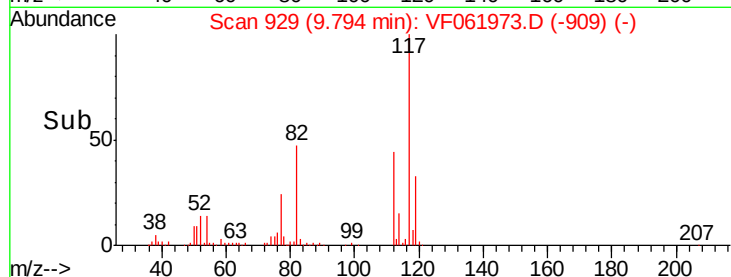
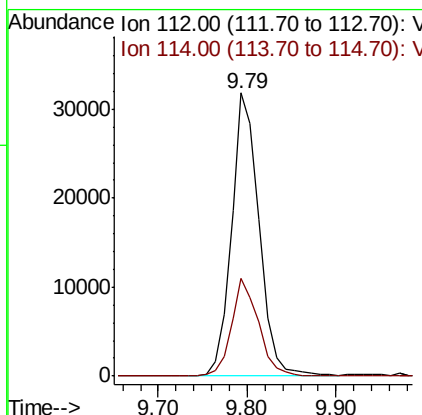
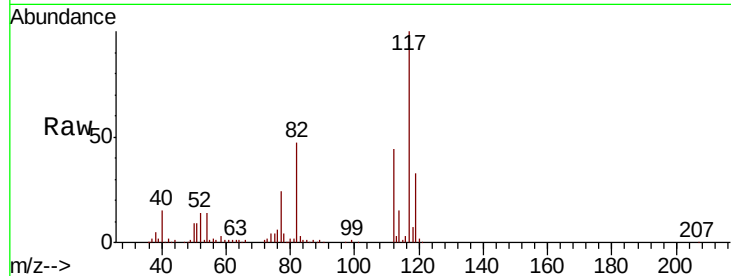




#65
Chlorobenzene
Concen: 10.364 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

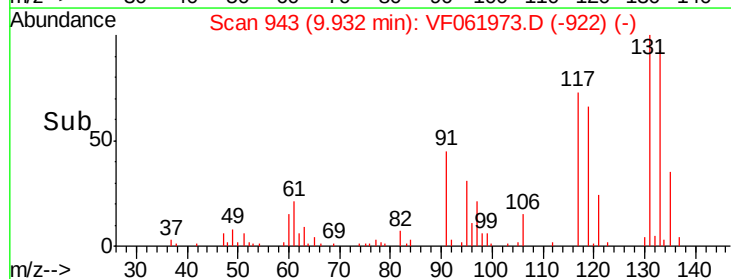
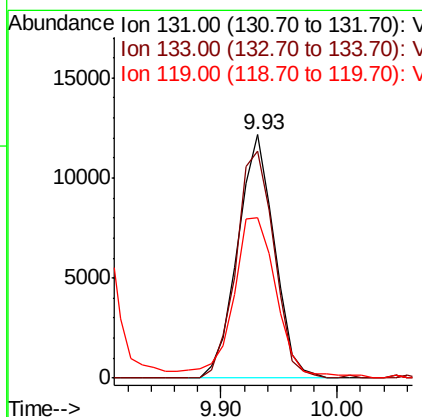
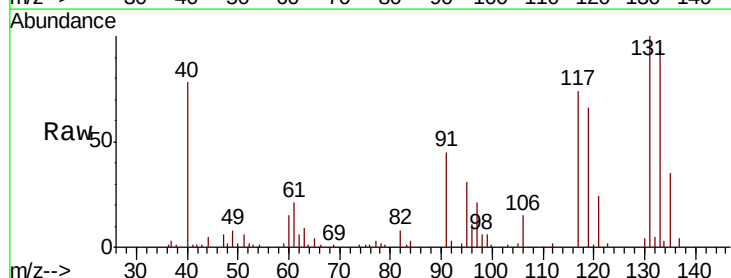
Instrument :
MSVOA_F
ClientSampleId :

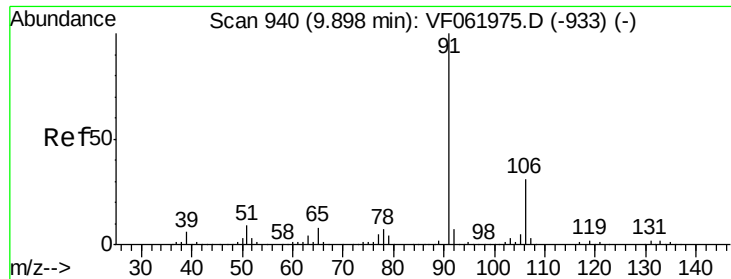
Tot Ion:112 Resp: 68936
Ion Ratio Lower Upper
112 100
114 34.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 10.311 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:131 Resp: 26585
Ion Ratio Lower Upper
131 100
133 93.4 48.0 144.2
119 65.8 35.9 107.7

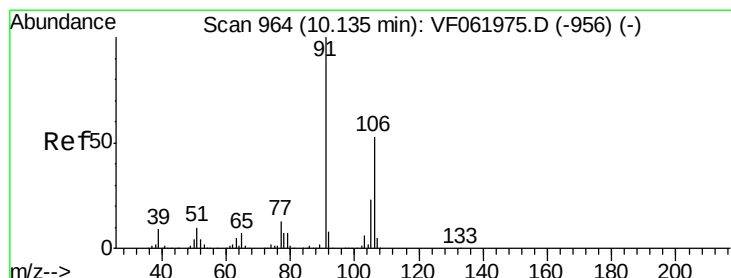
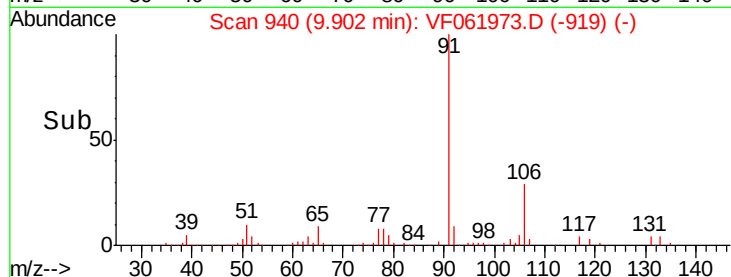
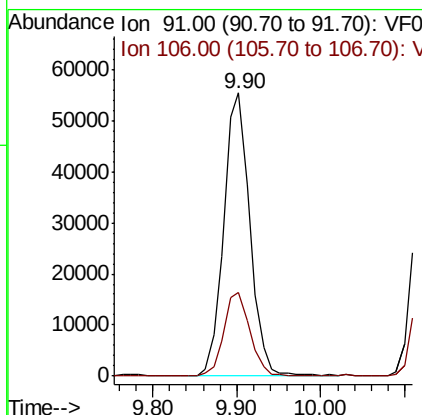
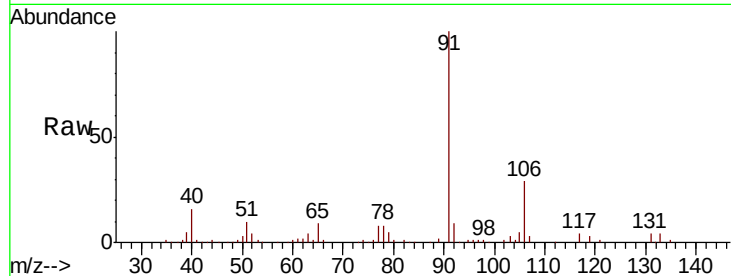




#67
Ethyl Benzene
Concen: 10.519 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

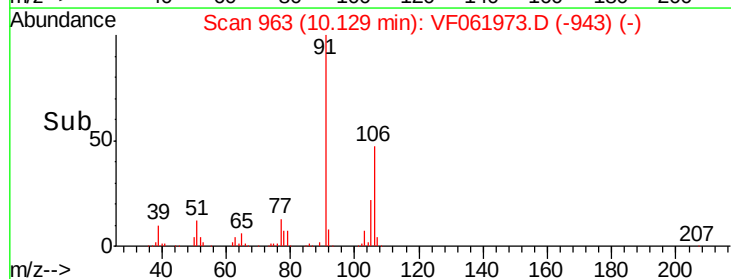
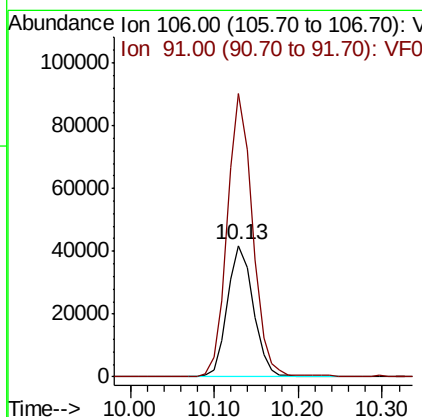
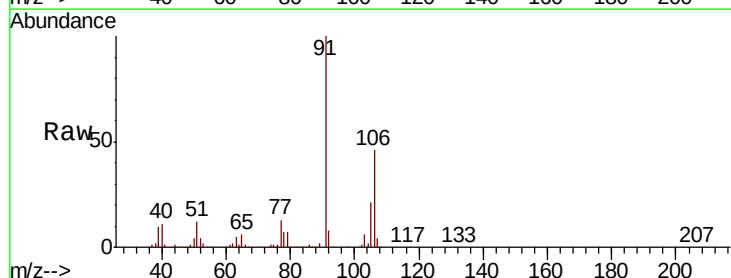
Instrument :
MSVOA_F
ClientSampled :

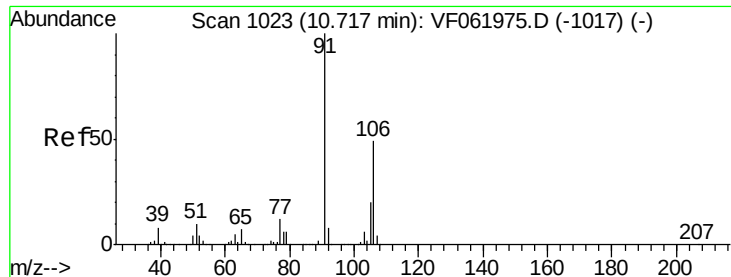
Tot Ion: 91 Resp: 119801
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6



#68
m/p-Xylenes
Concen: 21.122 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 106 Resp: 90478
Ion Ratio Lower Upper
106 100
91 215.4 151.9 227.9

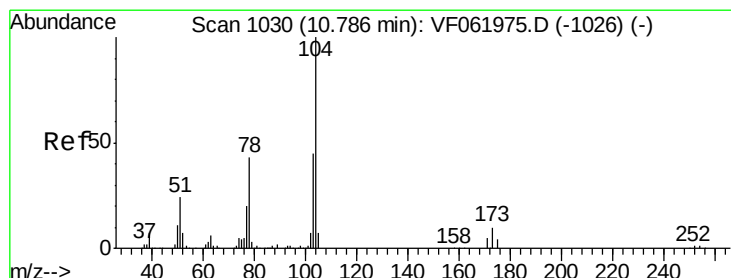
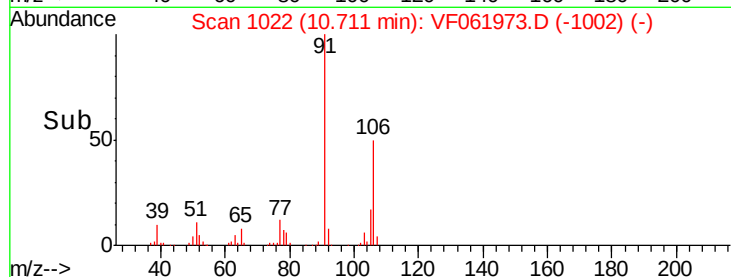
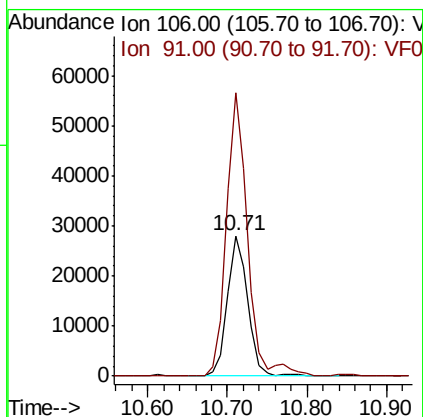
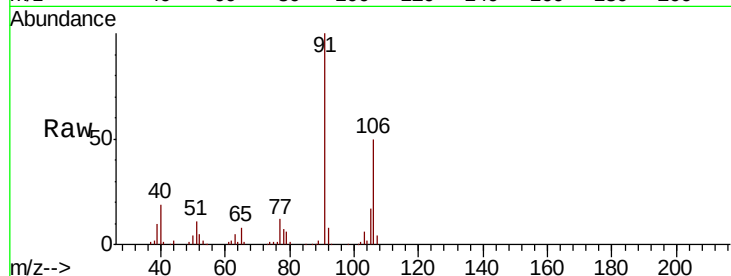




#69
o-Xylene
Concen: 11.106 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

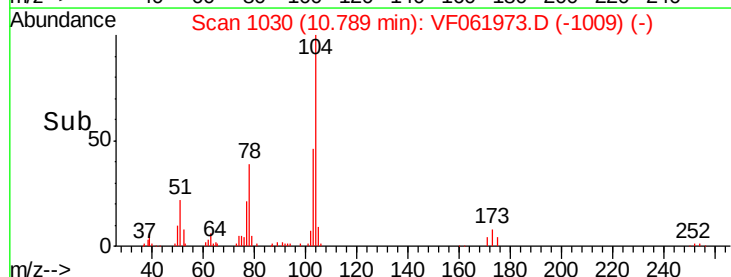
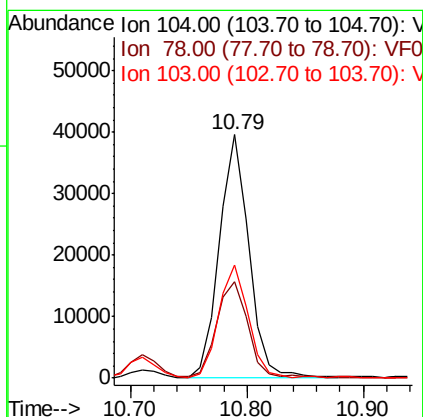
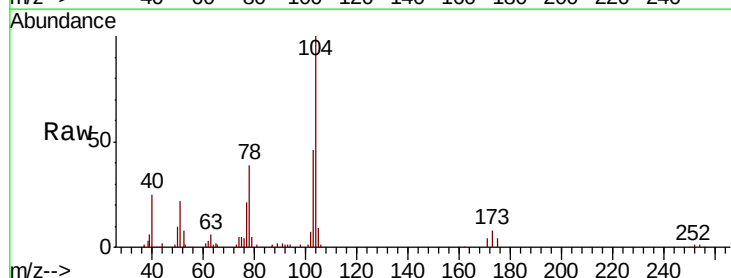
Instrument :
MSVOA_F
ClientSampleId :

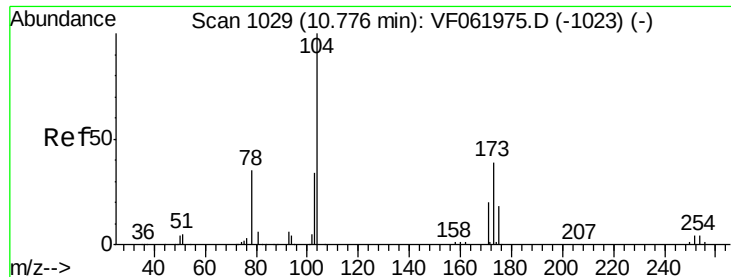
Tot Ion:106 Resp: 50904
Ion Ratio Lower Upper
106 100
91 201.5 102.3 306.8



#70
Styrene
Concen: 10.903 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:104 Resp: 69237
Ion Ratio Lower Upper
104 100
78 39.5 34.7 52.1
103 46.4 36.6 54.8





#71

Bromoform

Concen: 10.073 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampled :

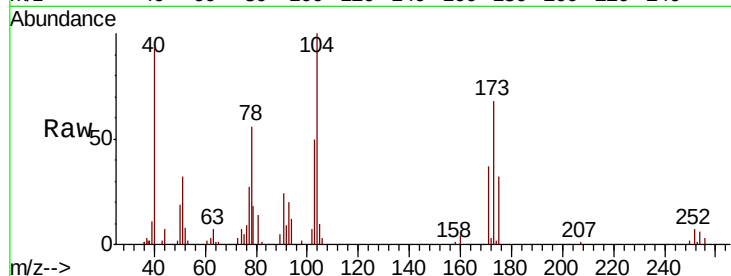
Tot Ion:173 Resp: 13136

Ion Ratio Lower Upper

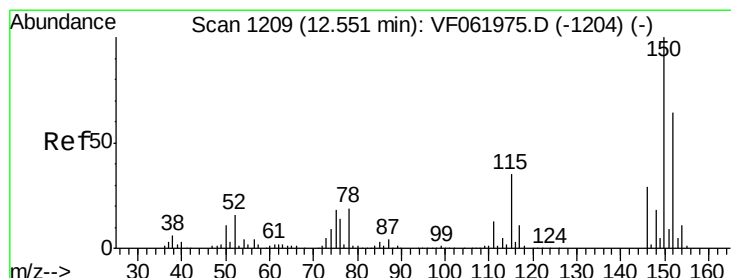
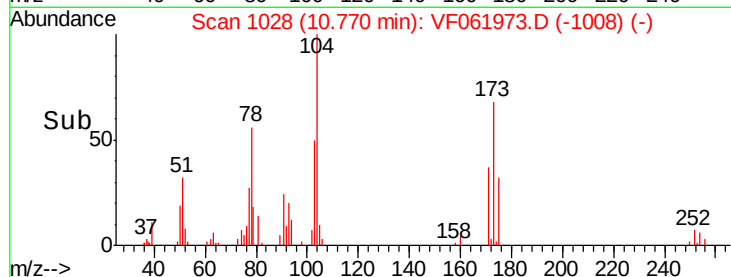
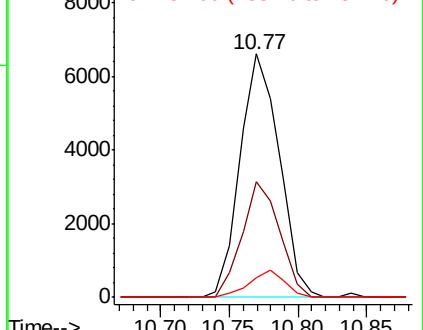
173 100

175 47.4 23.7 71.1

254 8.2 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: VF061973.D

Acq: 16 Mar 2019 11:11

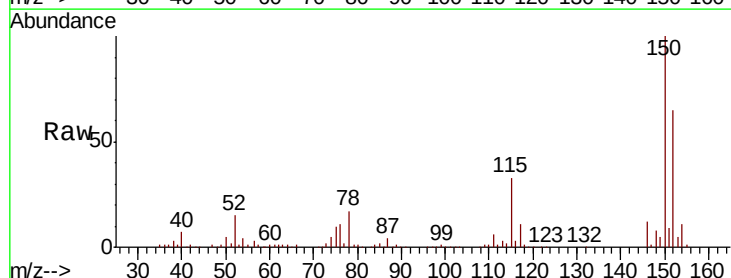
Tgt Ion:152 Resp: 193423

Ion Ratio Lower Upper

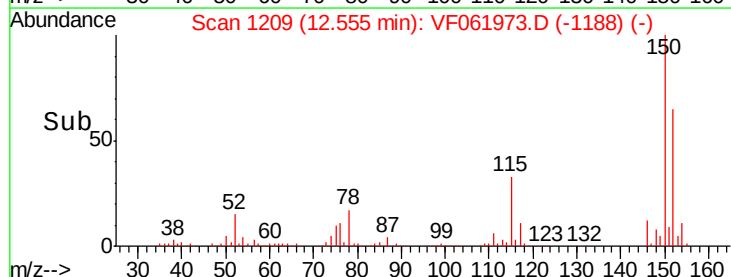
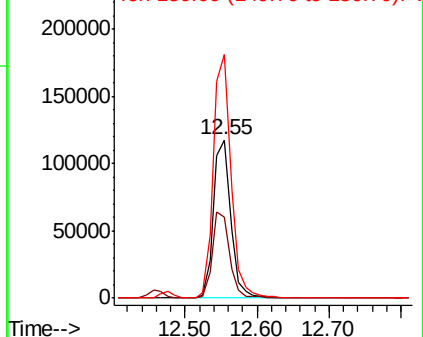
152 100

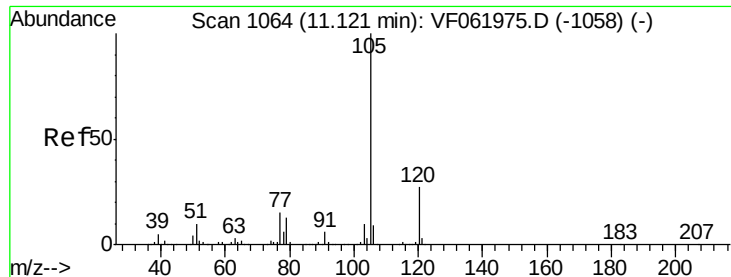
115 51.1 27.3 81.9

150 153.8 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: 10.475 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

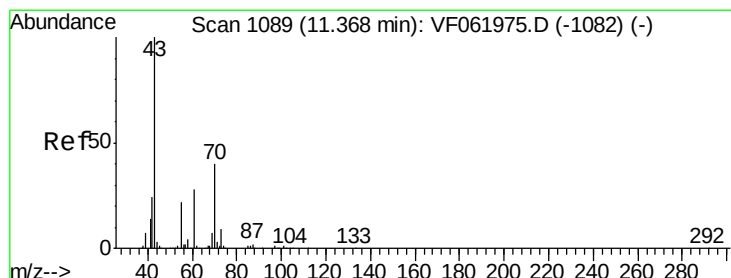
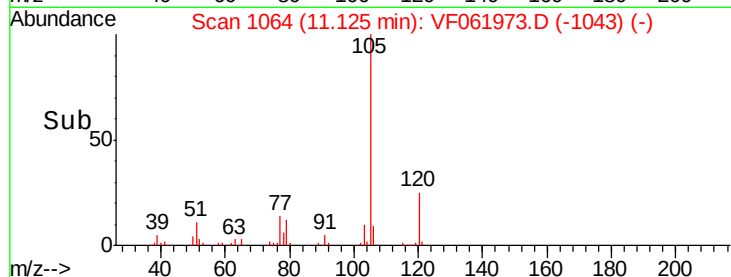
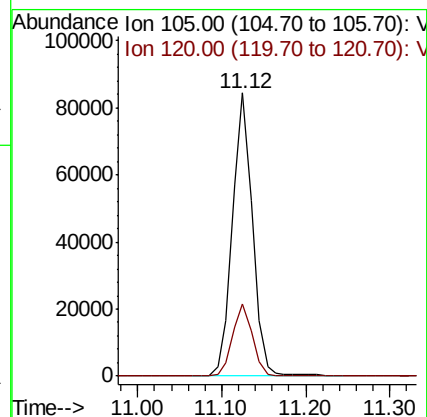
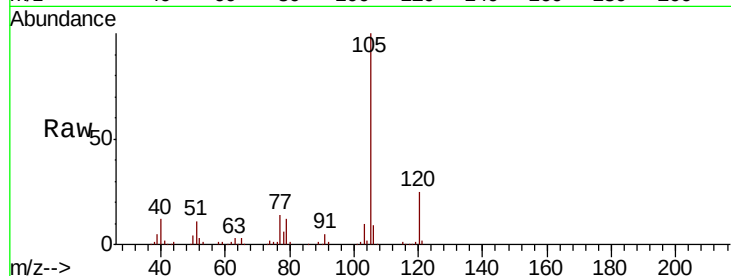
ClientSampleId :

Tot Ion:105 Resp: 139973

Ion Ratio Lower Upper

105 100

120 25.3 13.8 41.3



#74

N-ethyl acetate

Concen: 10.303 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Tgt Ion: 43 Resp: 31548

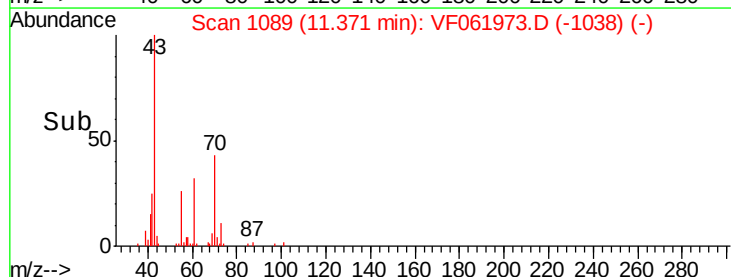
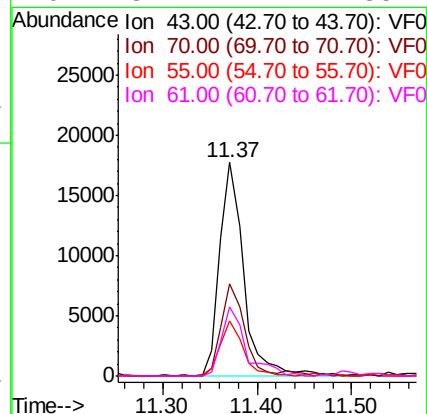
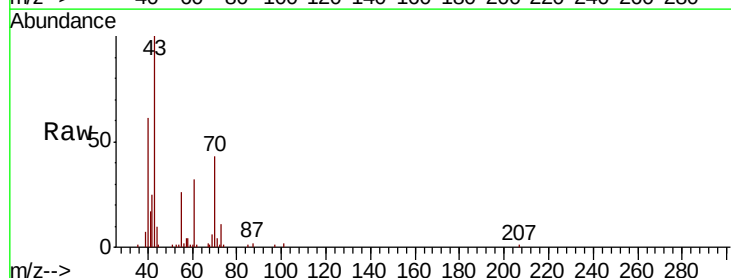
Ion Ratio Lower Upper

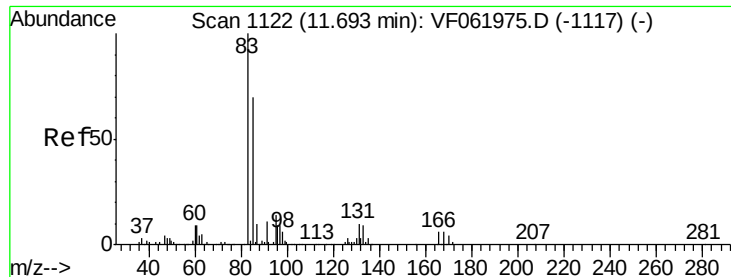
43 100

70 43.2 31.9 47.9

55 26.0 17.9 26.9

61 32.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 10.176 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

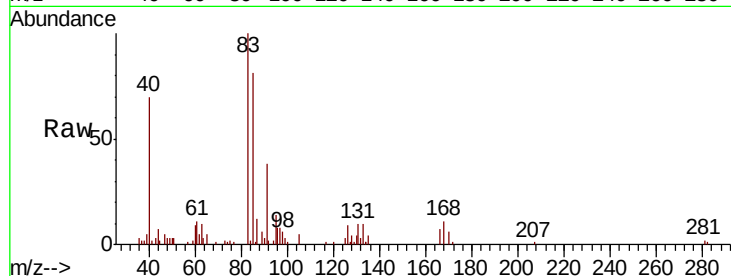
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 83 Resp: 22445

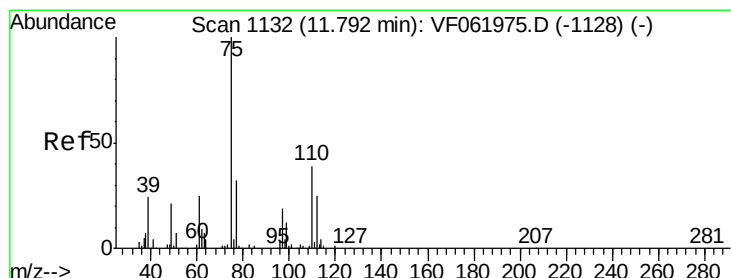
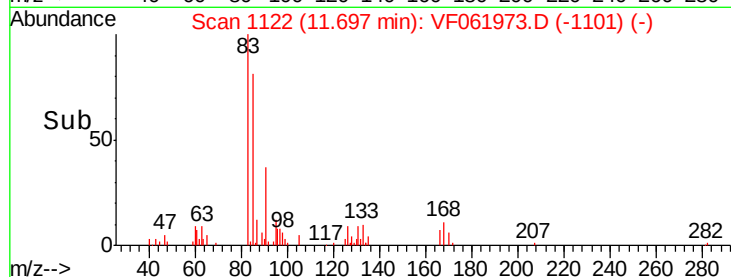
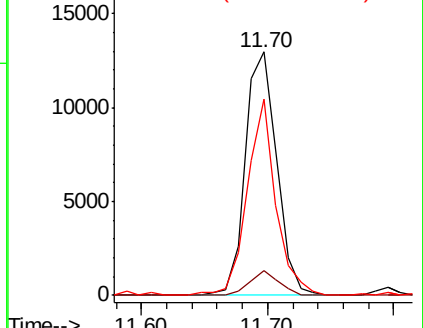
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	80.6	35.3	105.9



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: 10.959 ug/l

RT: 11.80 min Scan# 1132

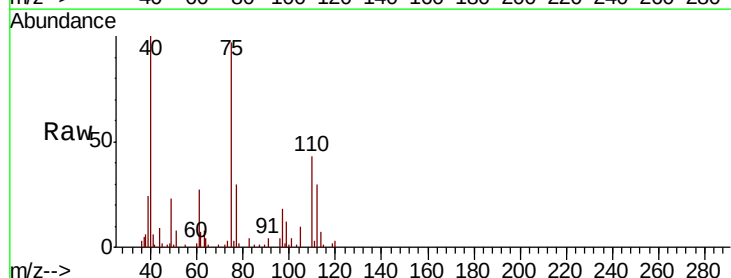
Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

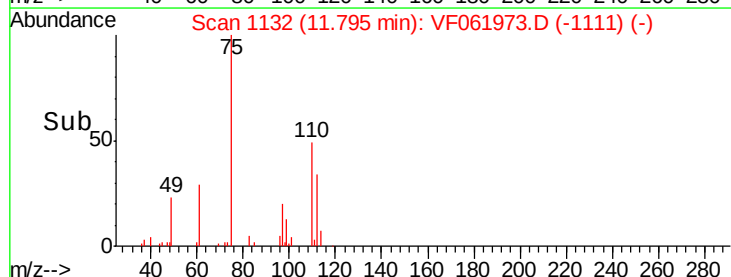
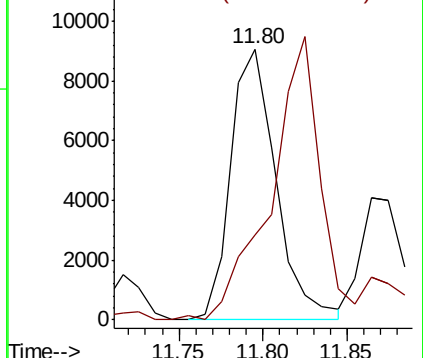
Tgt Ion: 75 Resp: 16903

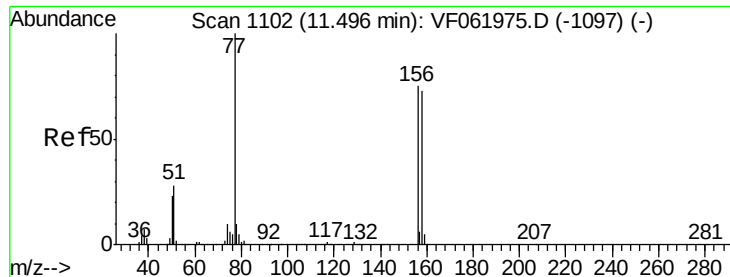
Ion	Ratio	Lower	Upper
75	100		
77	31.4	16.4	49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.135 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

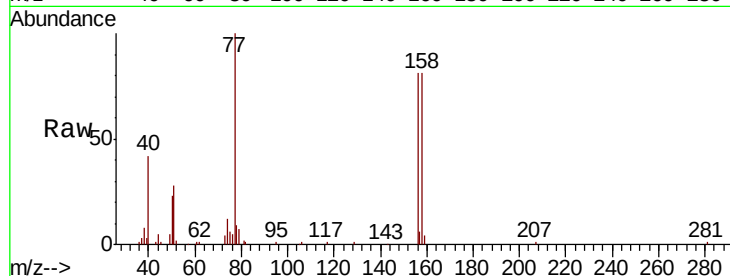
Tot Ion:156 Resp: 31364

Ion Ratio Lower Upper

156 100

77 123.1 67.0 201.0

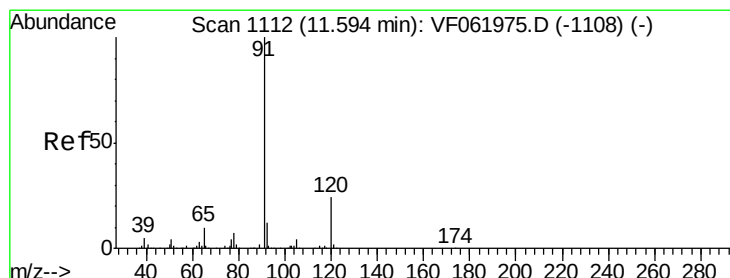
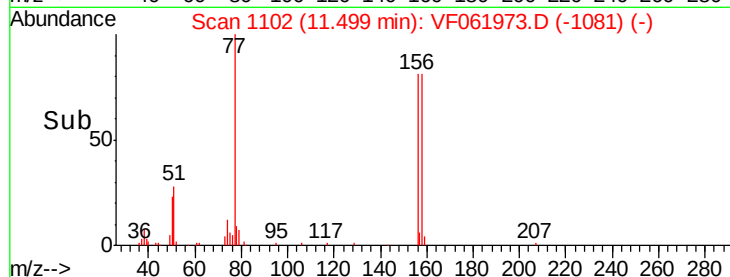
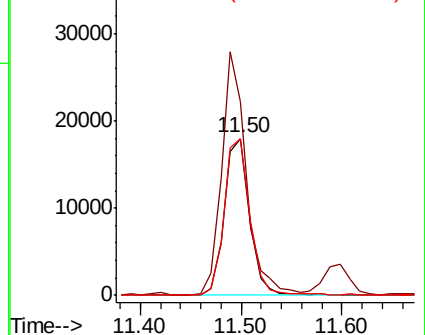
158 100.0 48.9 146.7



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: 10.894 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF061973.D

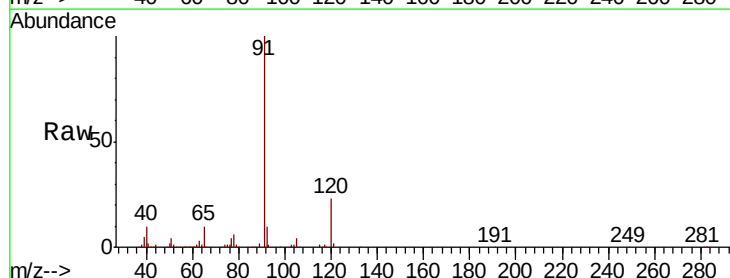
Acq: 16 Mar 2019 11:11

Tgt Ion: 91 Resp: 167386

Ion Ratio Lower Upper

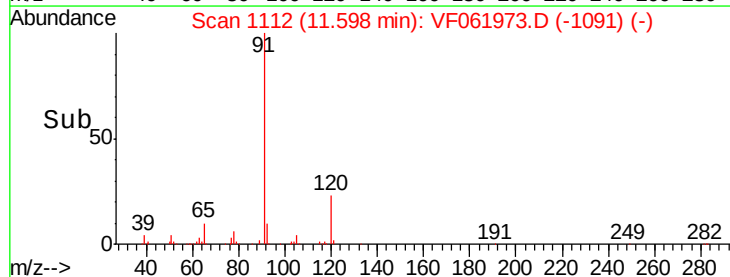
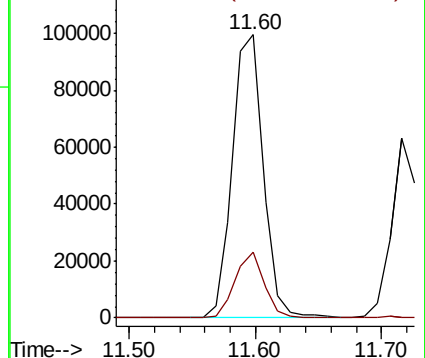
91 100

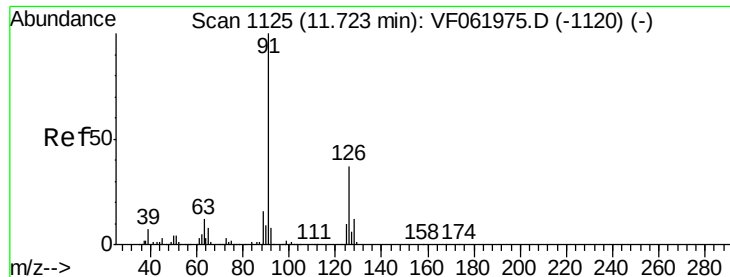
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

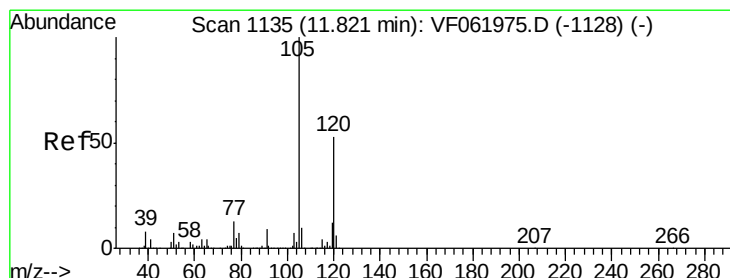
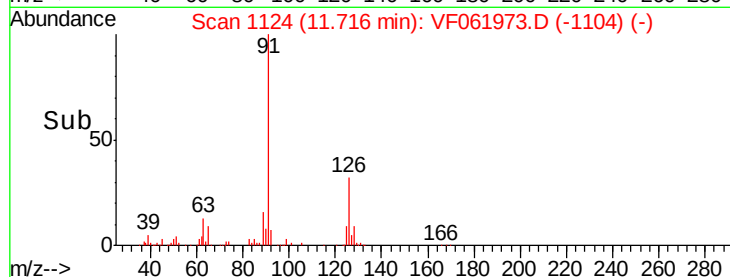
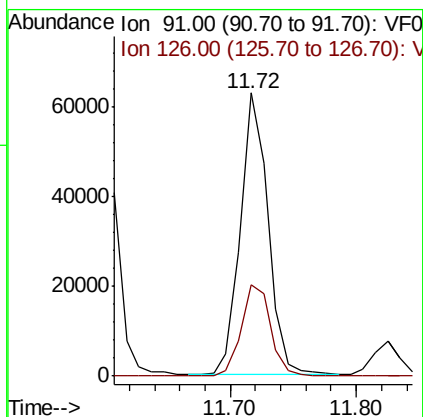
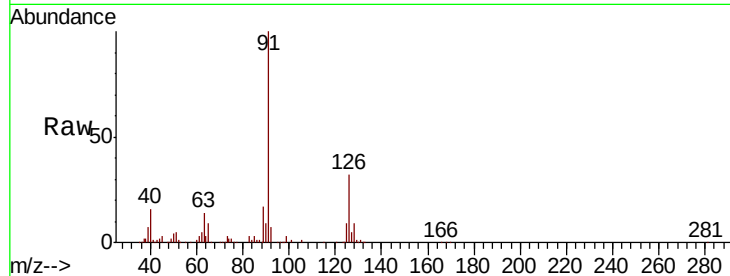




#79
 2-Chlorotoluene
 Concen: 10.960 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

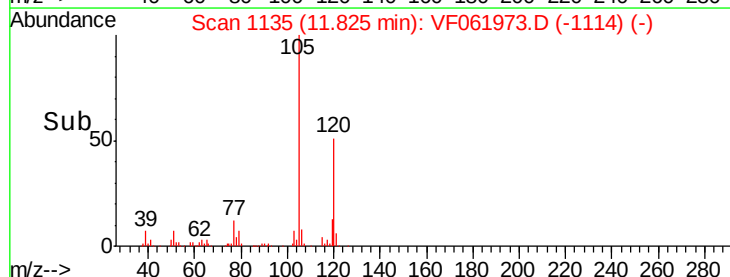
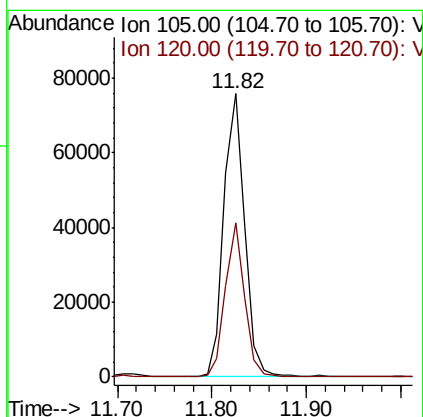
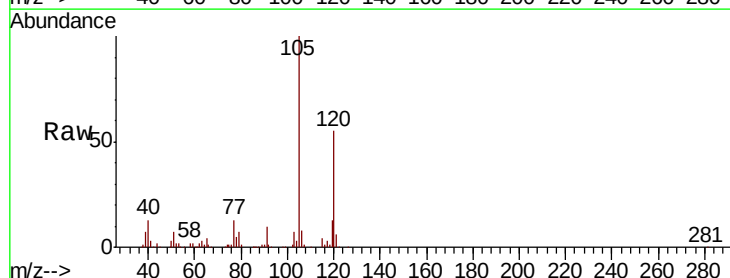
Instrument :
 MSVOA_F
 ClientSampleId :

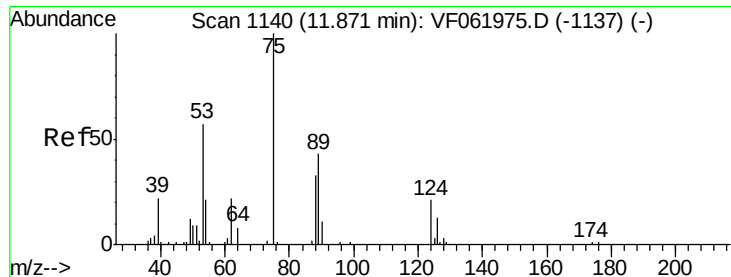
Tot Ion: 91 Resp: 95059
 Ion Ratio Lower Upper
 91 100
 126 32.1 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 10.717 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion:105 Resp: 115686
 Ion Ratio Lower Upper
 105 100
 120 54.6 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 13.875 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

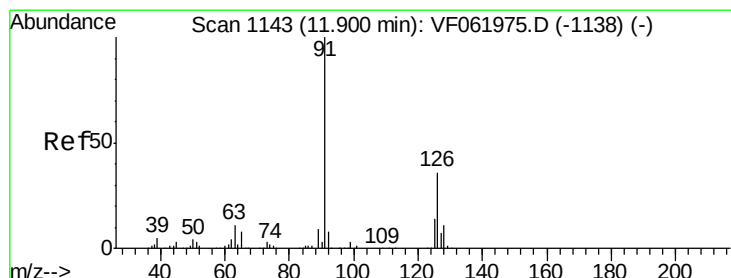
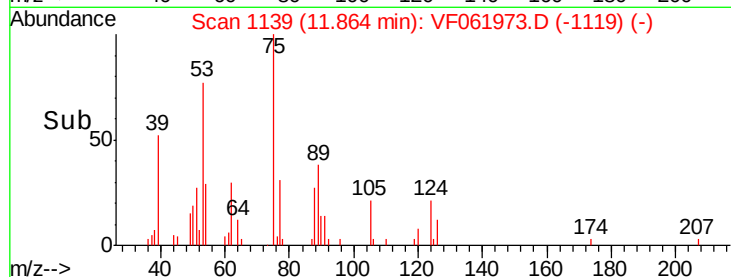
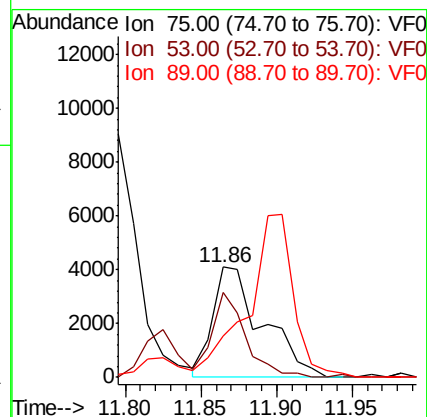
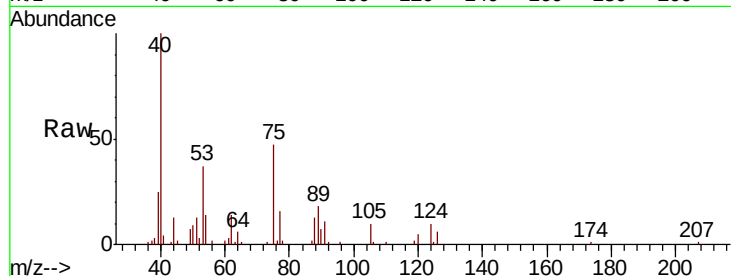
Tot Ion: 75 Resp: 9467

Ion Ratio Lower Upper

75 100

53 77.1 49.0 73.6#

89 38.0 37.1 55.7



#82

4-Chlorotoluene

Concen: 10.947 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF061973.D

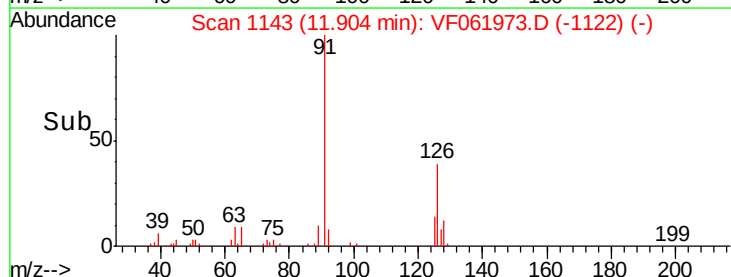
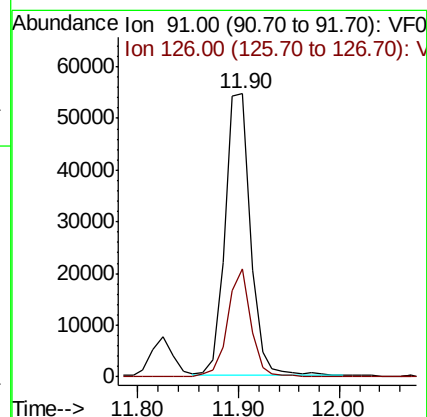
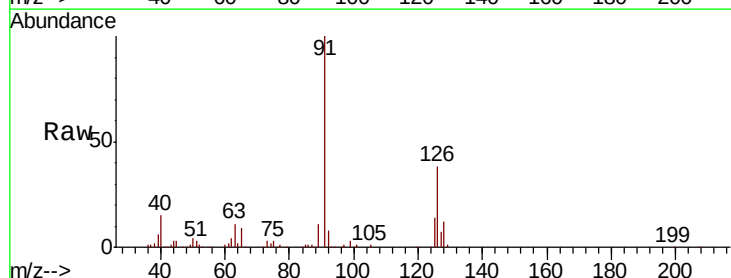
Acq: 16 Mar 2019 11:11

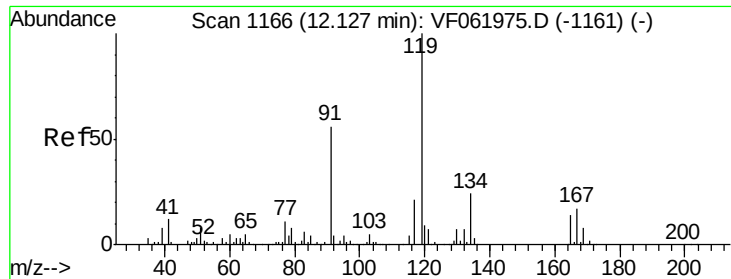
Tgt Ion: 91 Resp: 96009

Ion Ratio Lower Upper

91 100

126 37.9 18.1 54.1

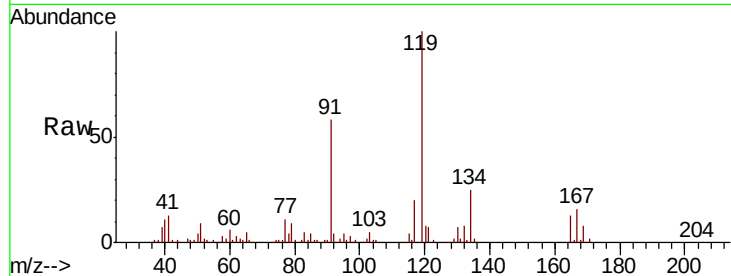




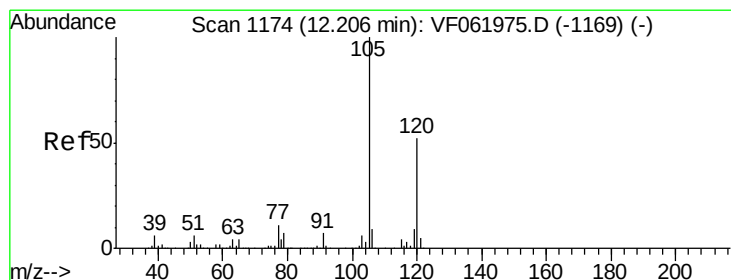
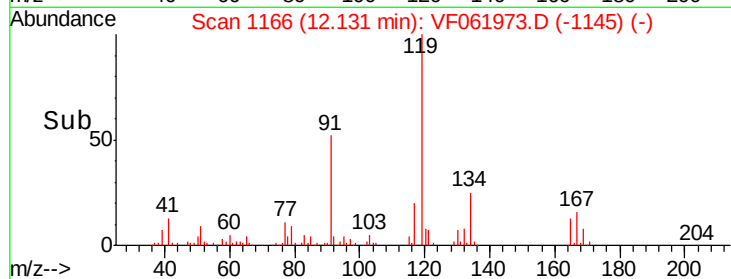
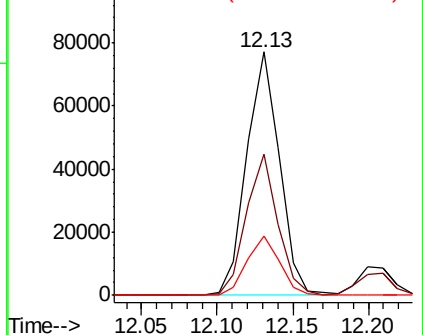
#83
 tert-Butylbenzene
 Concen: 10.417 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 117591
 Ion Ratio Lower Upper
 119 100
 91 58.3 27.9 83.6
 134 24.6 12.3 36.8

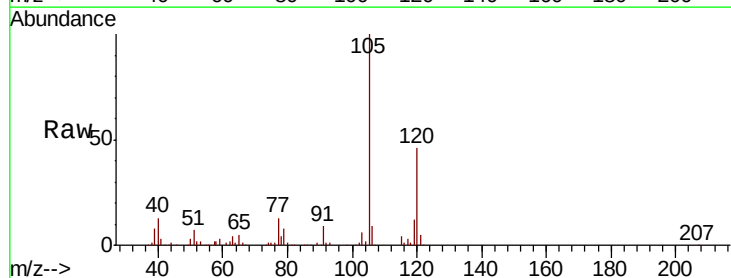


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

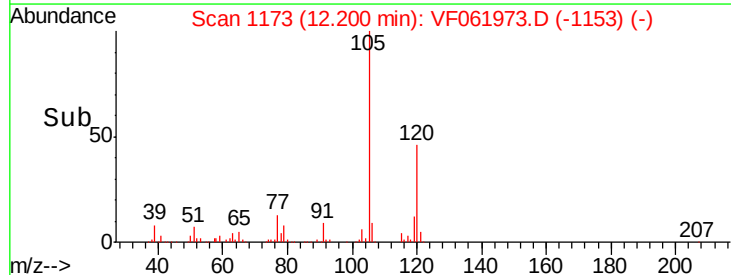
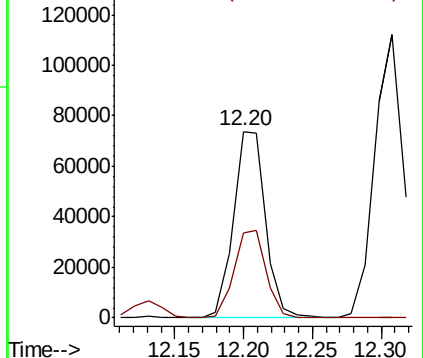


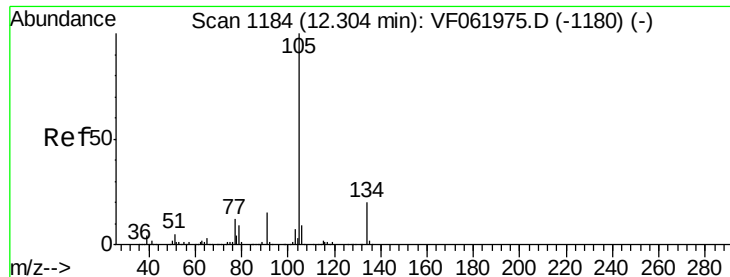
#84
 1,2,4-Trimethylbenzene
 Concen: 11.113 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion:105 Resp: 120156
 Ion Ratio Lower Upper
 105 100
 120 45.8 25.9 77.8



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





#85

sec-Butylbenzene

Concen: 10.888 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

Instrument :

MSVOA_F

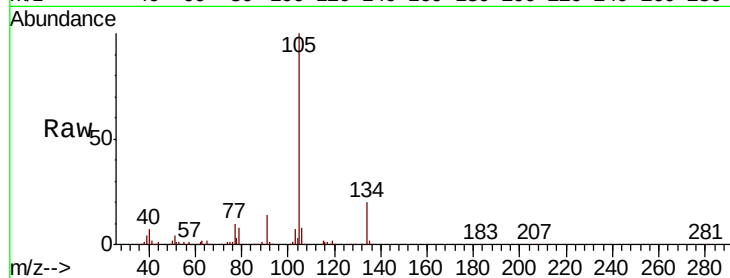
ClientSampleId :

Tot Ion:105 Resp: 166070

Ion Ratio Lower Upper

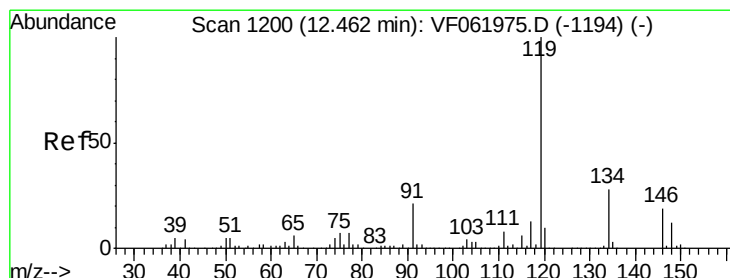
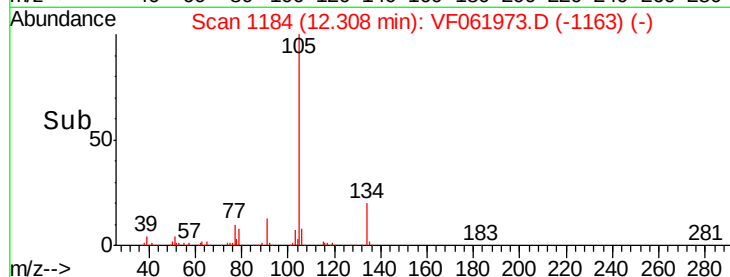
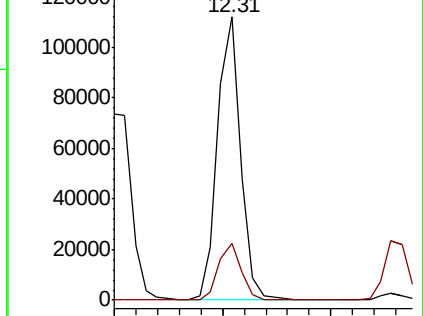
105 100

134 20.1 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.979 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061973.D

Acq: 16 Mar 2019 11:11

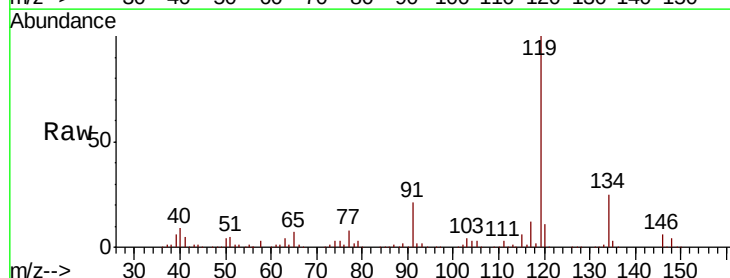
Tgt Ion:119 Resp: 139724

Ion Ratio Lower Upper

119 100

134 24.6 13.9 41.7

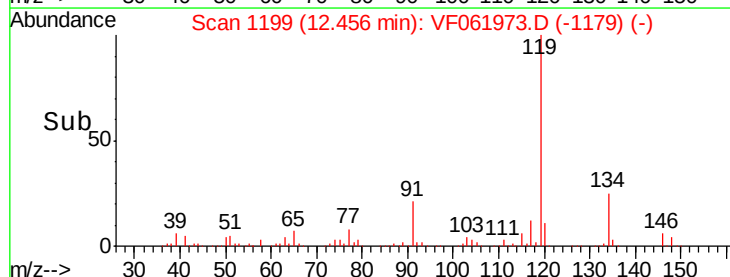
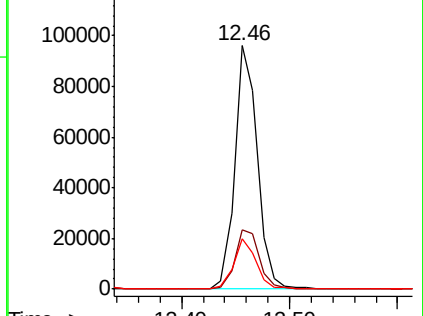
91 20.8 10.4 31.1

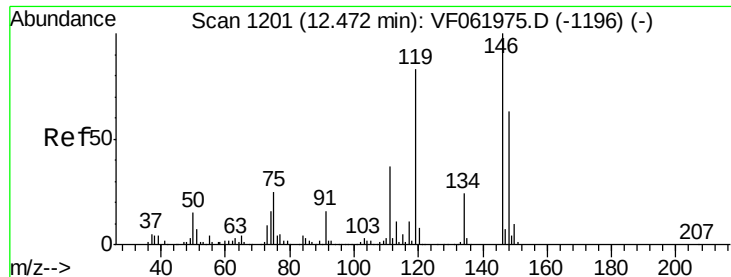


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

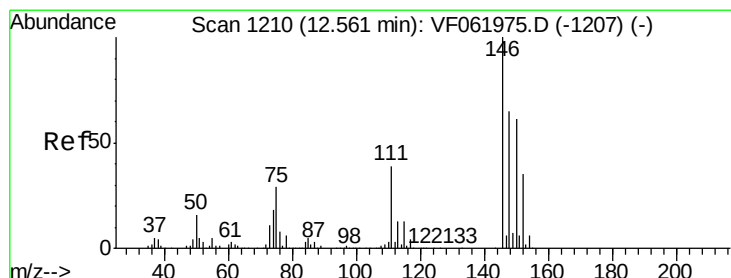
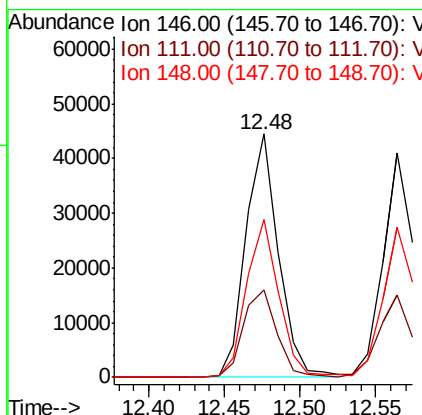
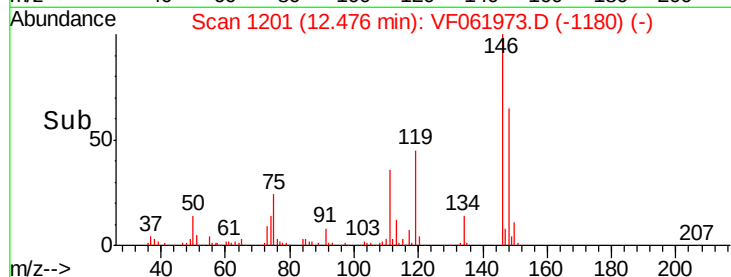
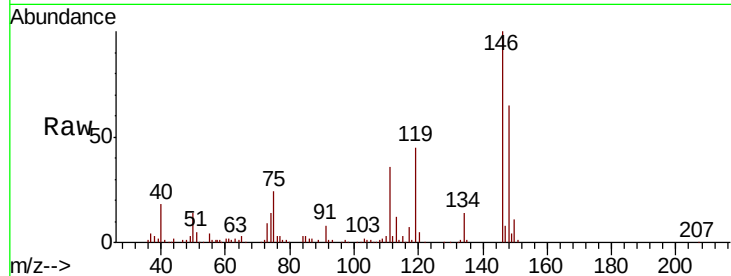




#87
 1,3-Dichlorobenzene
 Concen: 11.051 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

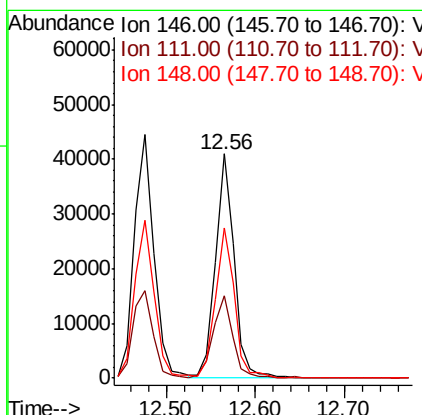
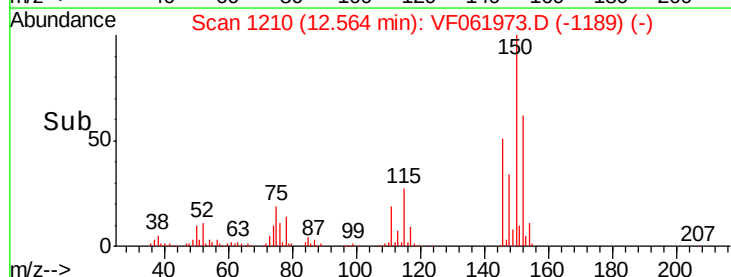
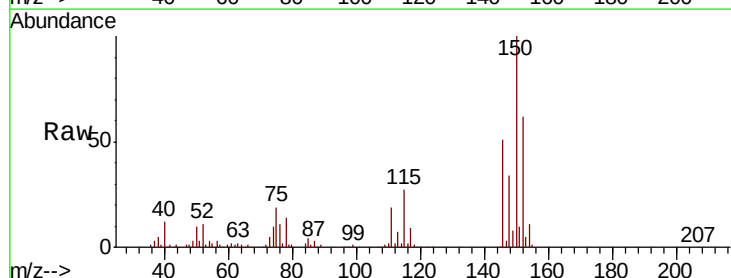
Instrument :
 MSVOA_F
 ClientSampled :

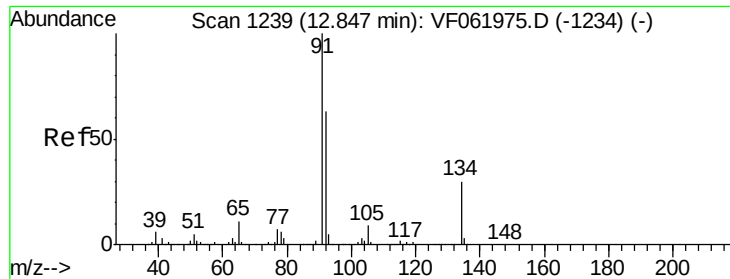
Tot Ion:146 Resp: 67212
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.6 55.8
 148 64.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 10.366 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion:146 Resp: 60685
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.1
 148 67.0 32.4 97.0

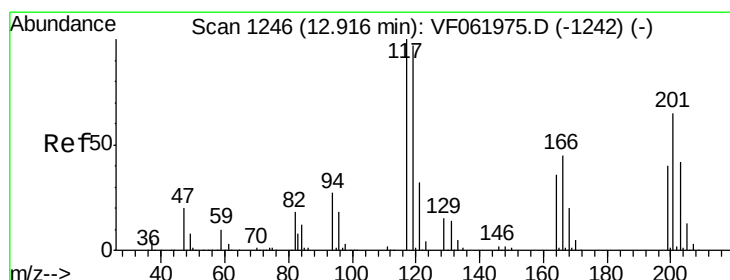
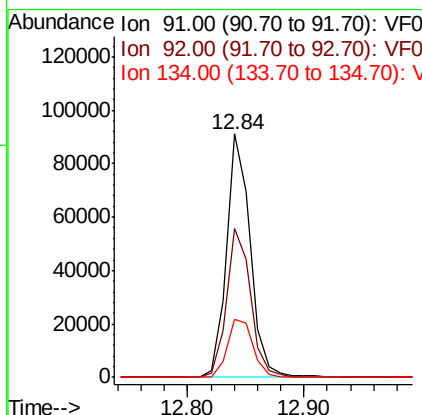
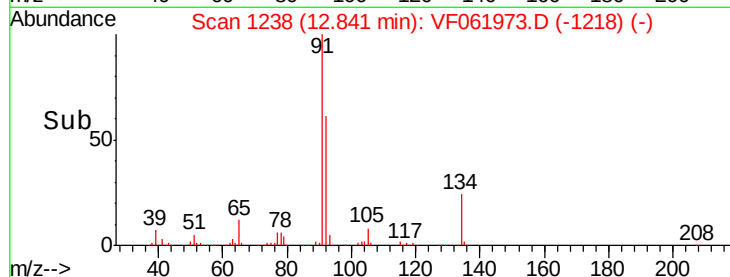
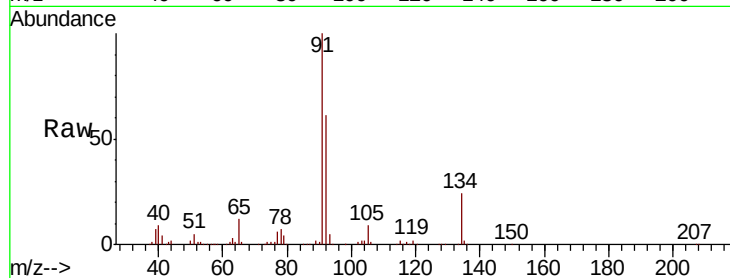




#89
n-Butylbenzene
Concen: 10.709 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

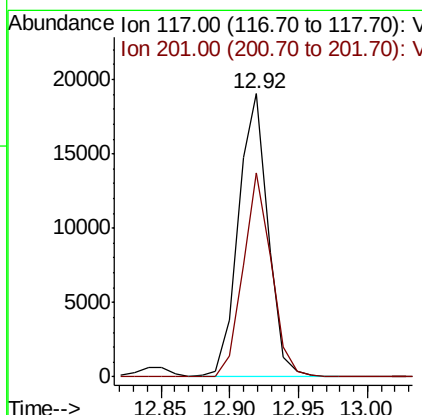
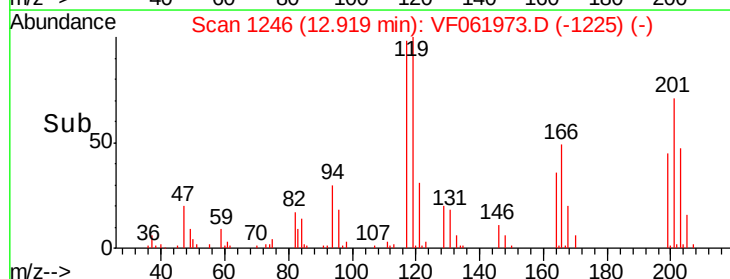
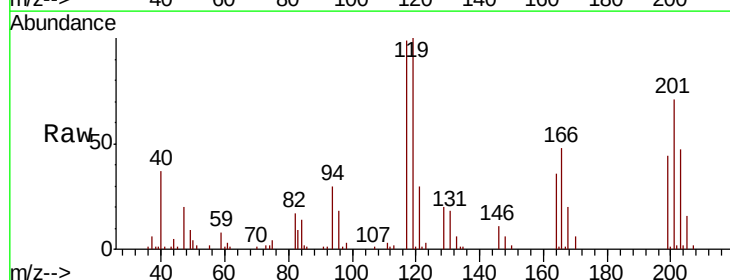
Instrument :
MSVOA_F
ClientSampleId :

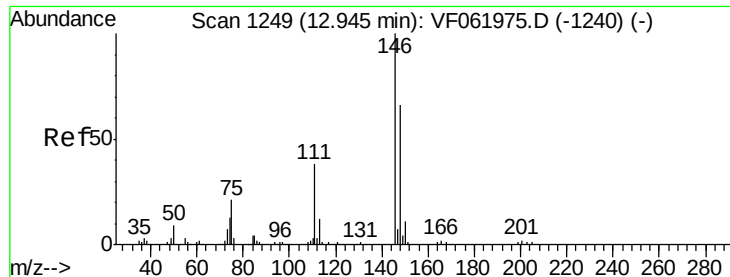
Tot Ion: 91 Resp: 128068
Ion Ratio Lower Upper
91 100
92 61.1 31.7 95.1
134 24.1 15.1 45.3



#90
Hexachloroethane
Concen: 9.863 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion: 117 Resp: 28645
Ion Ratio Lower Upper
117 100
201 71.9 32.5 97.5

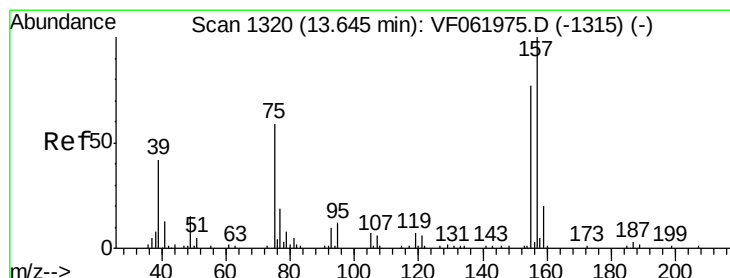
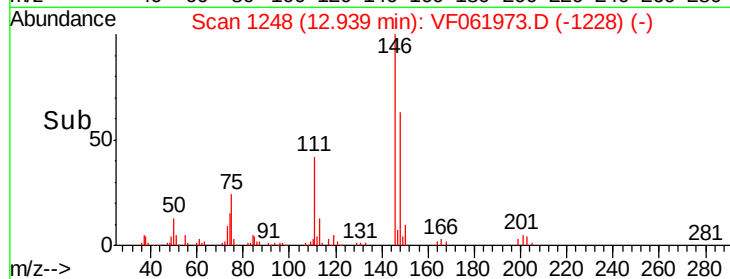
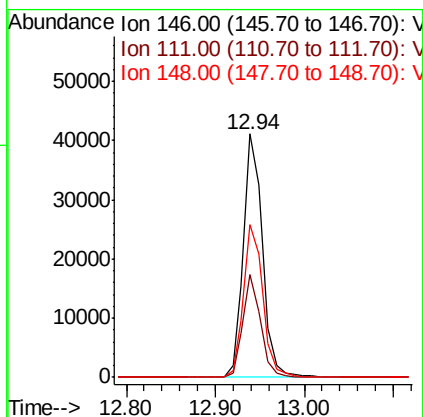
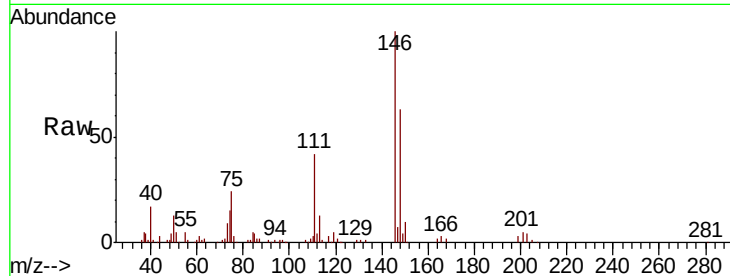




#91
 1,2-Dichlorobenzene
 Concen: 10.851 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

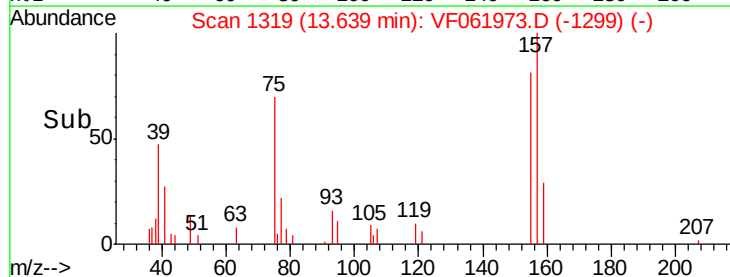
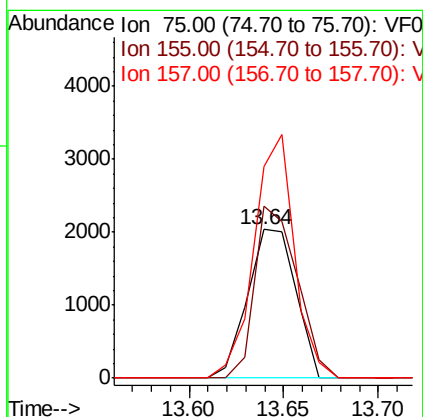
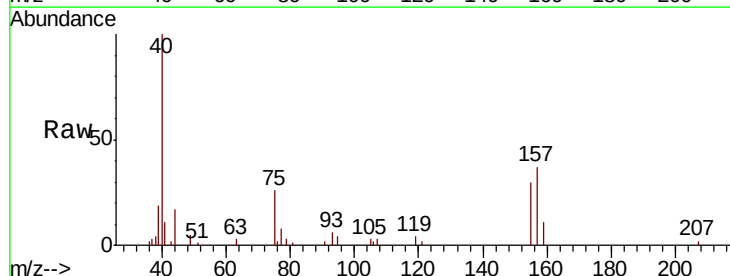
Instrument :
 MSVOA_F
 ClientSampled :

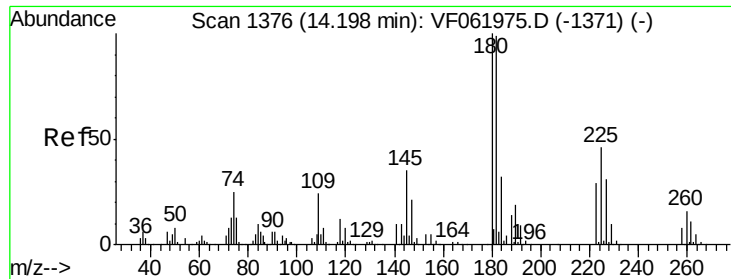
Tot Ion:146 Resp: 61124
 Ion Ratio Lower Upper
 146 100
 111 42.0 18.9 56.5
 148 62.9 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.160 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion: 75 Resp: 3596
 Ion Ratio Lower Upper
 75 100
 155 115.8 65.0 195.1
 157 142.3 84.7 254.0

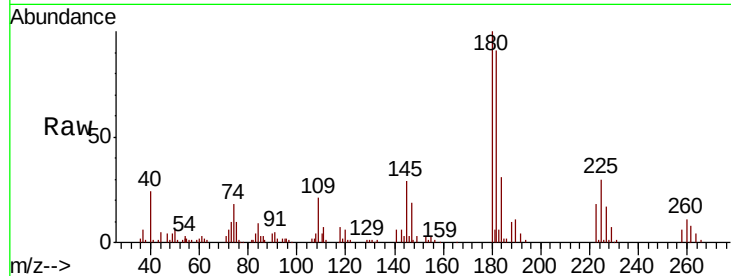




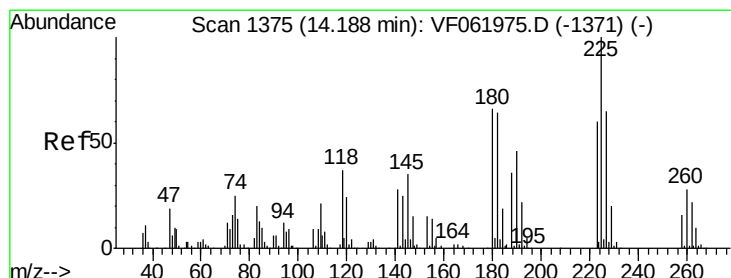
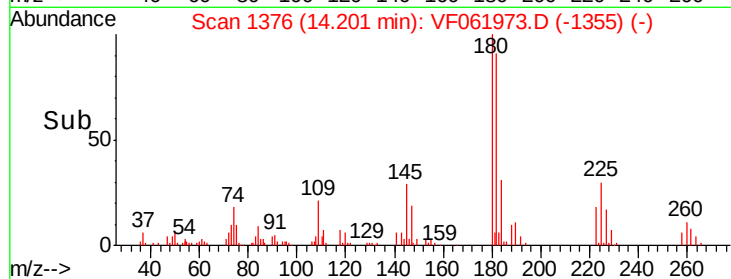
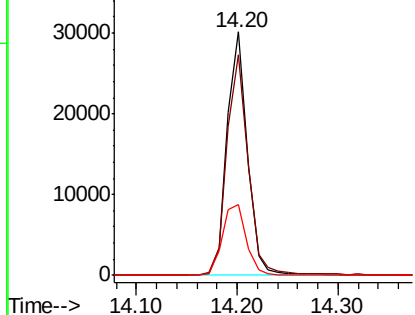
#93
 1,2,4-Trichlorobenzene
 Concen: 10.783 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 42297
 Ion Ratio Lower Upper
 180 100
 182 90.8 49.6 149.0
 145 28.8 17.5 52.5

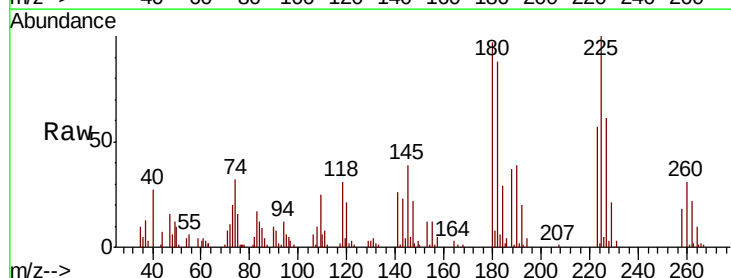


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

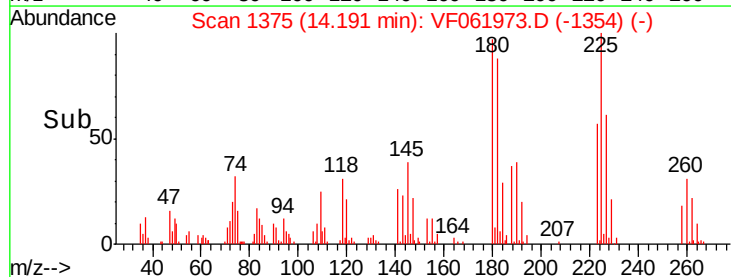
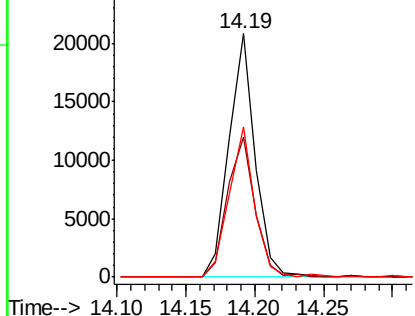


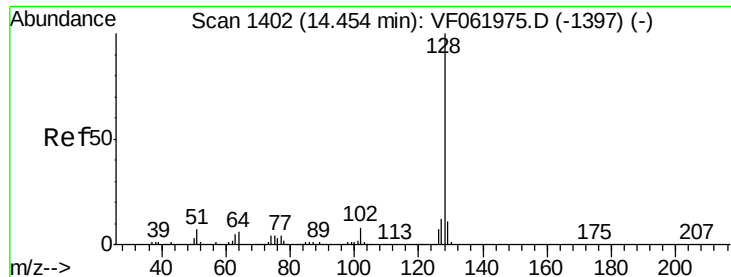
#94
 Hexachlorobutadiene
 Concen: 10.545 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061973.D
 Acq: 16 Mar 2019 11:11

Tgt Ion:225 Resp: 27461
 Ion Ratio Lower Upper
 225 100
 223 57.5 29.9 89.7
 227 61.5 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

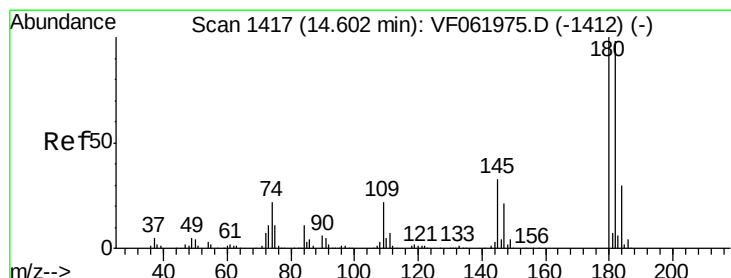
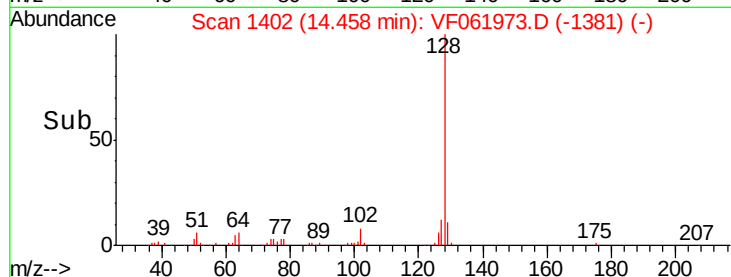
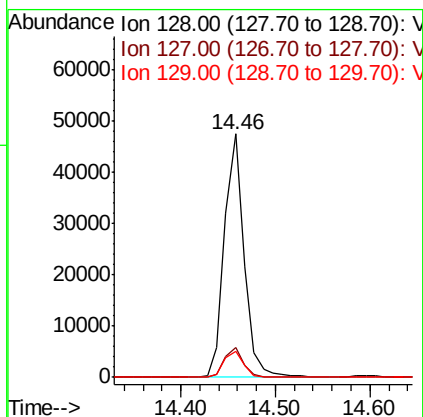
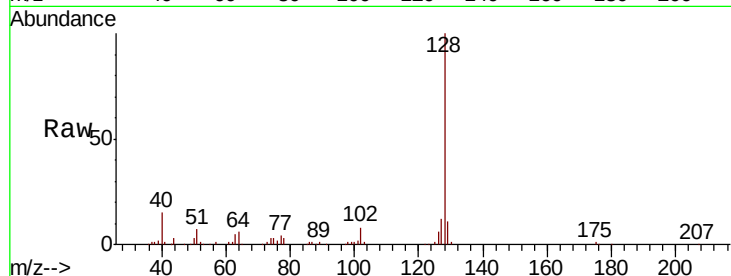




#95
Naphthalene
Concen: 9.749 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 68779
Ion Ratio Lower Upper
128 100
127 12.1 9.3 13.9
129 10.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 10.100 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061973.D
Acq: 16 Mar 2019 11:11

Tgt Ion:180 Resp: 36451
Ion Ratio Lower Upper
180 100
182 93.3 48.9 146.8
145 32.3 16.7 50.1

