

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031619\
 Data File : VF061972.D
 Acq On : 16 Mar 2019 10:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:32:59 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	295978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	433828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	370153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	212156	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	11316	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	4.11	113	16836	5.78	ug/l	0.00
Spiked Amount			Recovery	=	11.56%	
50) Toluene-d8	7.55	98	44526	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
62) 4-Bromofluorobenzene	11.42	95	19164	5.66	ug/l	0.00
Spiked Amount			Recovery	=	11.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	16056	5.089	ug/l	97
3) Chloromethane	1.08	50	16941	5.283	ug/l #	88
4) Vinyl Chloride	1.14	62	14075	4.539	ug/l	95
5) Bromomethane	1.33	94	11124	5.106	ug/l #	79
6) Chloroethane	1.38	64	7655	4.782	ug/l	93
7) Trichlorofluoromethane	1.47	101	21522	5.239	ug/l	90
8) Diethyl Ether	1.62	74	4443	4.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	16334	5.643	ug/l	92
10) Methyl Iodide	1.89	142	19381	3.826	ug/l	96
11) Tert butyl alcohol	2.58	59	3210	24.622	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	13453	5.385	ug/l #	74
13) Acrolein	2.01	56	3808	27.057	ug/l	95
14) Allyl chloride	2.10	41	15846	4.969	ug/l	94
15) Acrylonitrile	2.94	53	9505	23.975	ug/l	90
16) Acetone	2.23	43	11250	23.515	ug/l	99
17) Carbon Disulfide	1.83	76	35554	4.921	ug/l #	86
18) Methyl Acetate	2.34	43	7987	7.859	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	23334	5.155	ug/l	98
20) Methylene Chloride	2.19	84	5826	2.365	ug/l #	72
21) trans-1,2-Dichloroethene	2.30	96	13891	5.329	ug/l	91
22) Diisopropyl ether	2.80	45	37726	4.919	ug/l	98
23) Vinyl Acetate	3.18	43	66996	22.158	ug/l	99
24) 1,1-Dichloroethane	2.87	63	20570	4.612	ug/l	97
25) 2-Butanone	4.35	43	25420	26.828	ug/l #	81
26) 2,2-Dichloropropane	3.60	77	11013	5.235	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	16045	4.883	ug/l	85
28) Bromochloromethane	3.71	49	9461	5.113	ug/l	92
29) Tetrahydrofuran	4.07	42	10800	26.209	ug/l	96
30) Chloroform	3.85	83	26224	5.190	ug/l	86
31) Cyclohexane	3.68	56	22122	5.063	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	16617	4.952	ug/l	94
36) 1,1-Dichloropropene	4.28	75	20449	5.220	ug/l	95
37) Ethyl Acetate	4.12	43	9182	5.220	ug/l #	97
38) Carbon Tetrachloride	3.99	117	15138	5.287	ug/l #	94

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 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 22 02:32:59 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)
39) Methylcyclohexane	5.46	83	23536	5.117	ug/l	97
40) Benzene	4.63	78	53917	5.194	ug/l	99
41) Methacrylonitrile	4.74	41	5488	5.839	ug/l	95
42) 1,2-Dichloroethane	4.94	62	14042	5.434	ug/l	97
43) Isopropyl Acetate	6.97	43	11895	5.715	ug/l #	87
44) Trichloroethene	5.50	130	17371	5.463	ug/l	97
45) 1,2-Dichloropropane	6.24	63	12435	5.062	ug/l	94
46) Dibromomethane	6.08	93	6491	4.441	ug/l	94
47) Bromodichloromethane	6.39	83	17389	5.047	ug/l	97
48) Methyl methacrylate	6.72	41	7637	5.678	ug/l #	91
49) 1,4-Dioxane	6.71	88	1077	90.014	ug/l #	53
51) 4-Methyl-2-Pentanone	8.26	43	39554	26.763	ug/l #	86
52) Toluene	7.62	92	35452	5.589	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	15385	5.289	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	18259	4.811	ug/l	89
55) 1,1,2-Trichloroethane	8.50	97	9141	5.164	ug/l #	92
56) Ethyl methacrylate	8.61	69	10611	5.273	ug/l	96
57) 1,3-Dichloropropane	8.85	76	14676	4.970	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	8881	24.365	ug/l	94
59) 2-Hexanone	9.49	43	29931	27.984	ug/l	92
60) Dibromochloromethane	8.71	129	12458	5.069	ug/l	97
61) 1,2-Dibromoethane	8.98	107	9708	5.113	ug/l	94
64) Tetrachloroethene	8.14	164	15224	5.658	ug/l	94
65) Chlorobenzene	9.80	112	36428	5.286	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	12787	4.787	ug/l	83
67) Ethyl Benzene	9.90	91	65071	5.515	ug/l	98
68) m/p-Xylenes	10.12	106	48636	10.959	ug/l	92
69) o-Xylene	10.72	106	25175	5.301	ug/l	98
70) Styrene	10.78	104	34789	5.288	ug/l	97
71) Bromoform	10.77	173	6900	5.107	ug/l	93
73) Isopropylbenzene	11.12	105	74651	5.093	ug/l	93
74) N-amyl acetate	11.38	43	15212	4.529	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	12581	5.200	ug/l	87
76) 1,2,3-Trichloropropane	11.79	75	8309	4.912	ug/l	81
77) Bromobenzene	11.49	156	17626	5.193	ug/l	95
78) n-propylbenzene	11.59	91	92614	5.495	ug/l	100
79) 2-Chlorotoluene	11.72	91	50262	5.284	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	64953	5.486	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.87	75	4471	5.974	ug/l	92
82) 4-Chlorotoluene	11.90	91	51090	5.311	ug/l	95
83) tert-Butylbenzene	12.13	119	62780	5.070	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	63688	5.370	ug/l	96
85) sec-Butylbenzene	12.30	105	89364	5.342	ug/l	100
86) p-Isopropyltoluene	12.46	119	72815	5.216	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	36660	5.495	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	34074	5.307	ug/l	85
89) n-Butylbenzene	12.85	91	66459	5.067	ug/l	96
90) Hexachloroethane	12.91	117	14632	4.593	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	31769	5.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	1858	4.786	ug/l	82

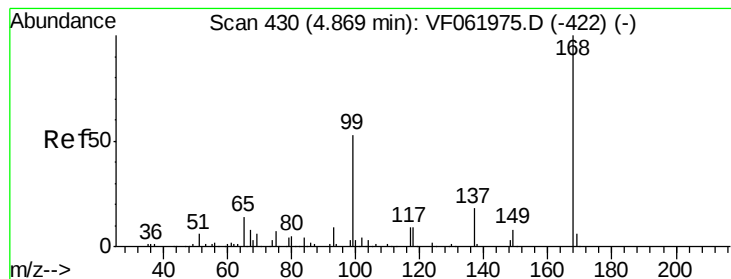
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
Data File : VF061972.D
Acq On : 16 Mar 2019 10:14
Operator : VA/AP
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 22 02:32:59 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)
93) 1,2,4-Trichlorobenzene	14.20	180	22006	5.115	ug/l	96
94) Hexachlorobutadiene	14.19	225	14836	5.194	ug/l	90
95) Naphthalene	14.45	128	36575	4.726	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	18335	4.632	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

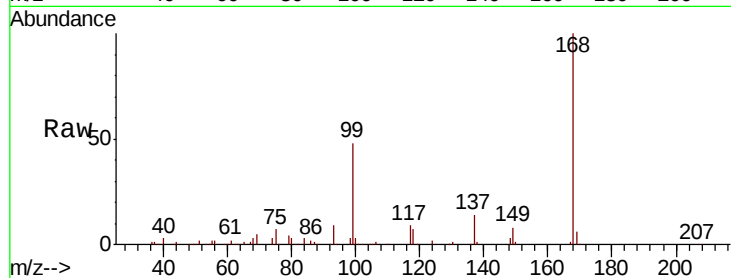
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 295978

Ion Ratio Lower Upper

168 100

99 48.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

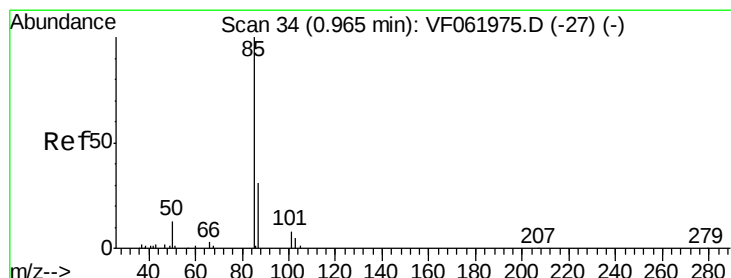
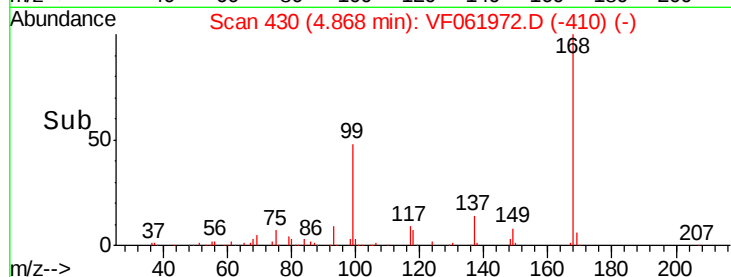
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 5.089 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061972.D

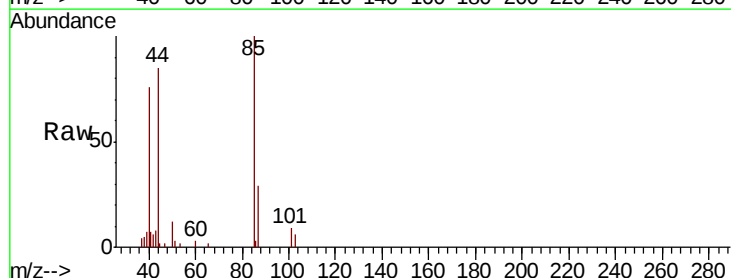
Acq: 16 Mar 2019 10:14

Tgt Ion: 85 Resp: 16056

Ion Ratio Lower Upper

85 100

87 29.1 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

6000

5000

4000

3000

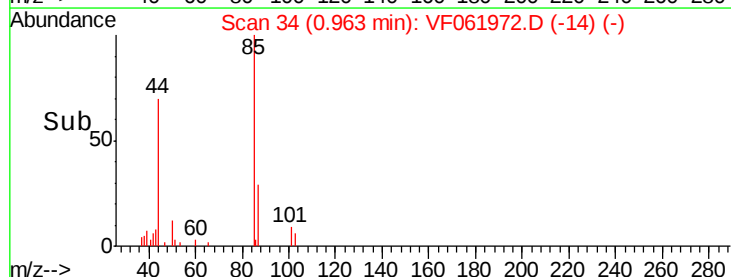
2000

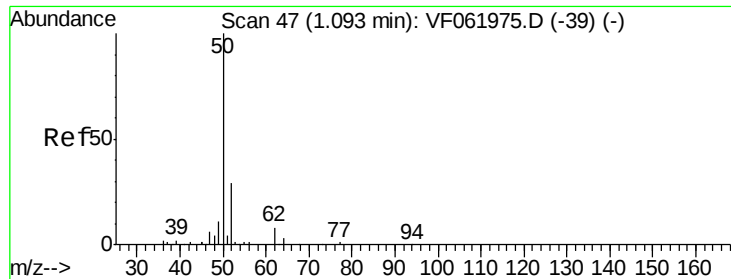
1000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 5.283 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

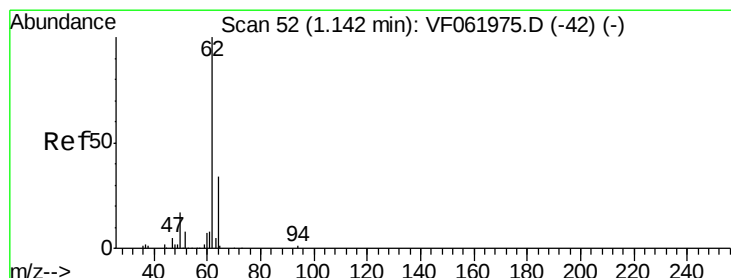
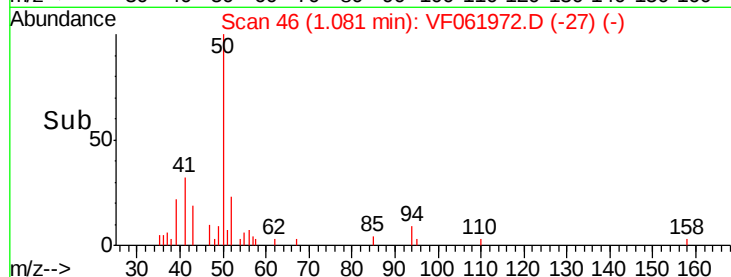
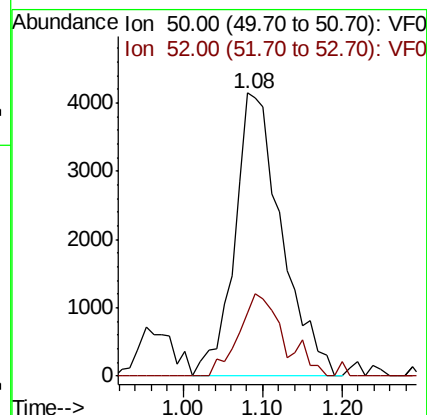
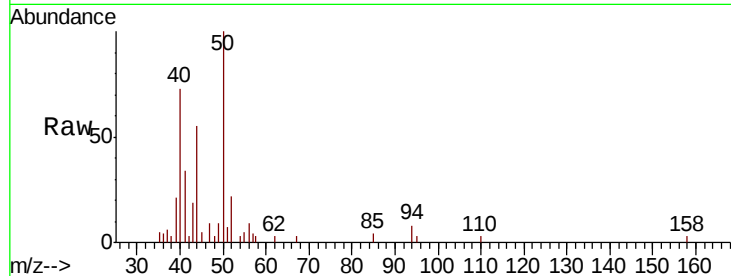
ClientSampleId :

Tot Ion: 50 Resp: 16941

Ion Ratio Lower Upper

50 100

52 22.2 22.6 34.0#



#4

Vinyl Chloride

Concen: 4.539 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF061972.D

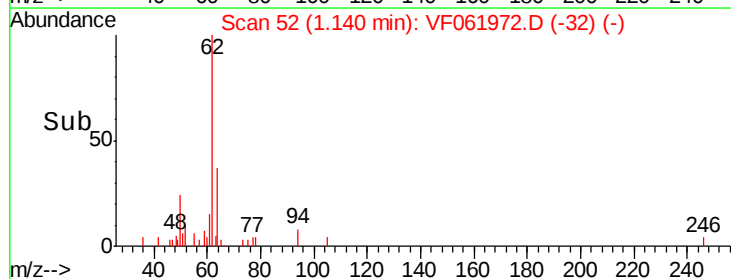
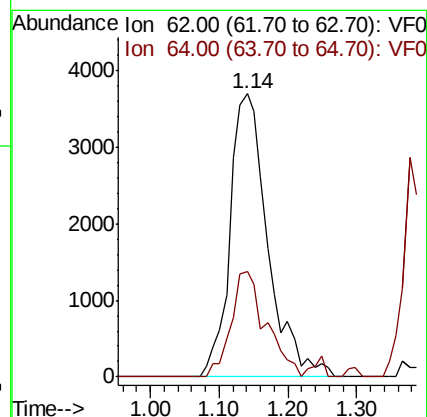
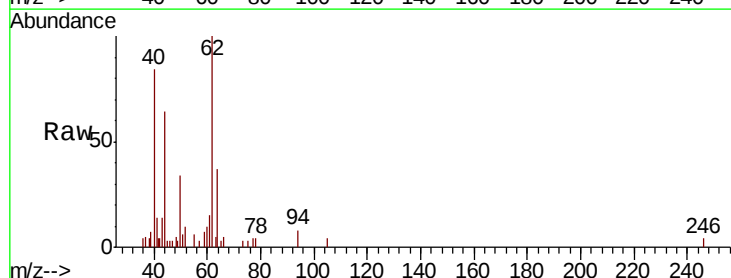
Acq: 16 Mar 2019 10:14

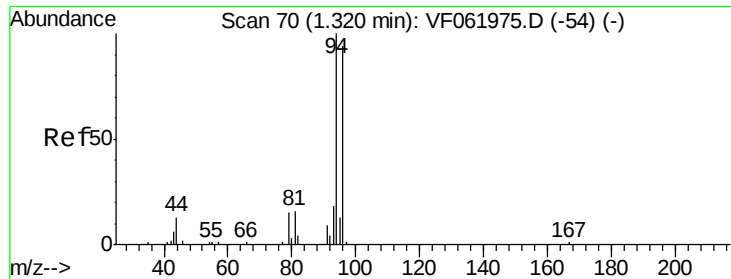
Tgt Ion: 62 Resp: 14075

Ion Ratio Lower Upper

62 100

64 37.3 27.4 41.2





#5

Bromomethane

Concen: 5.106 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

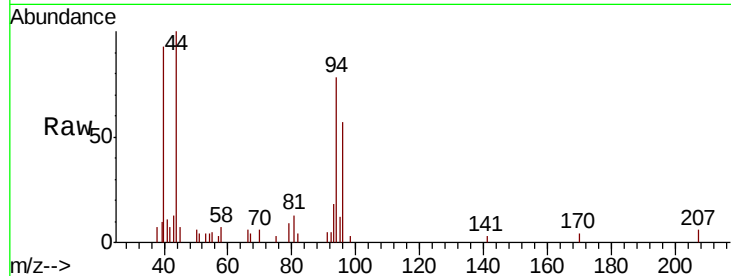
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 11124

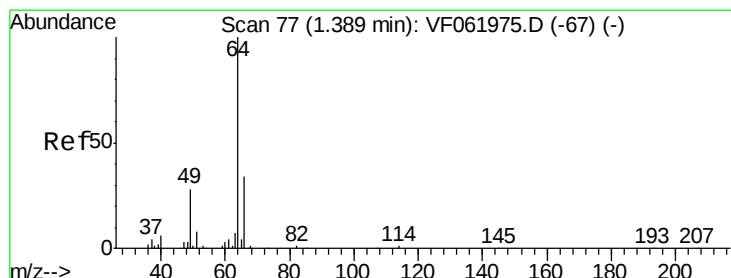
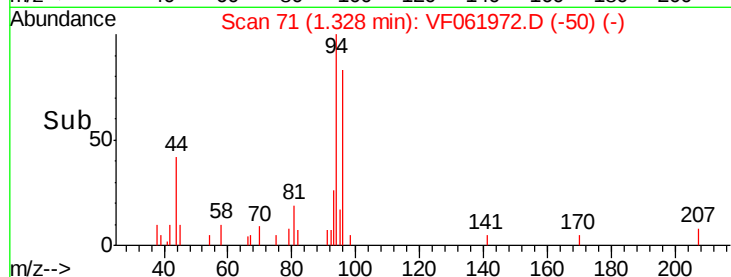
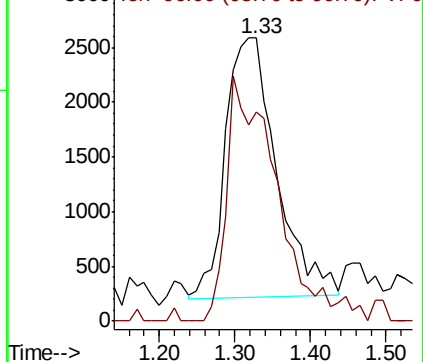
Ion Ratio Lower Upper

94 100

96 73.7 75.0 112.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0
Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 4.782 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061972.D

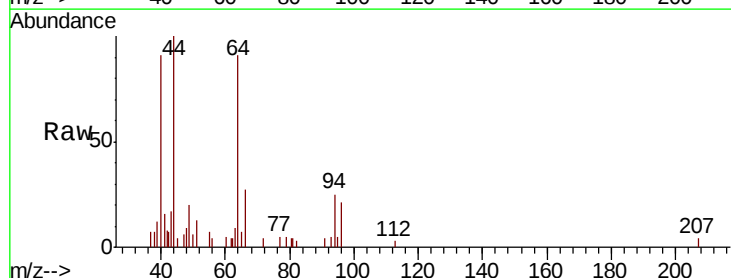
Acq: 16 Mar 2019 10:14

Tgt Ion: 64 Resp: 7655

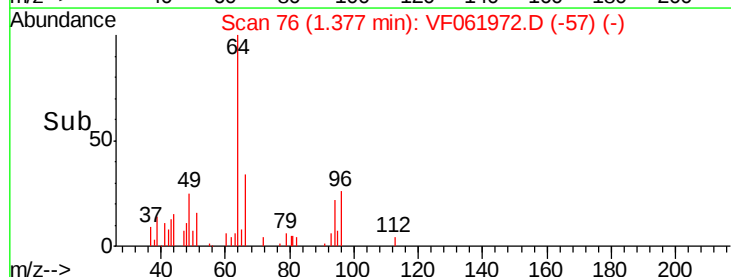
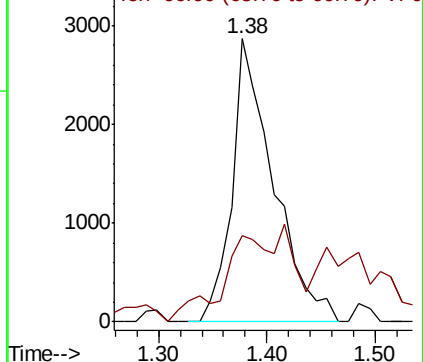
Ion Ratio Lower Upper

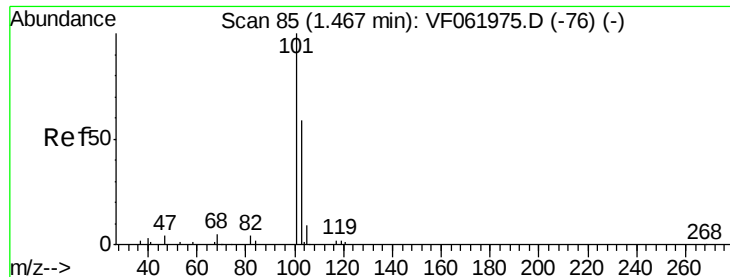
64 100

66 30.3 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0
Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 5.239 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

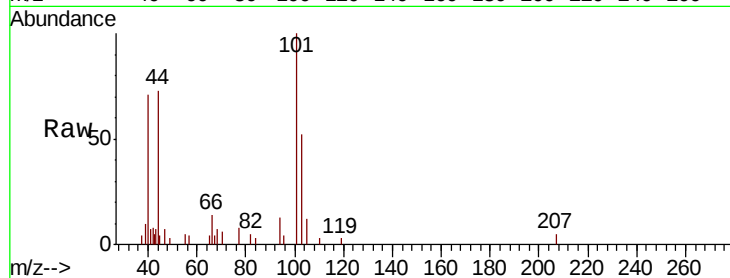
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:101 Resp: 21522

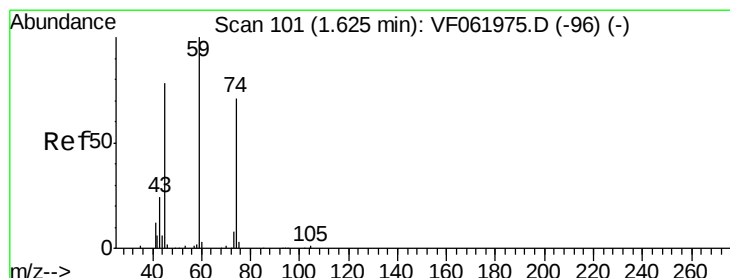
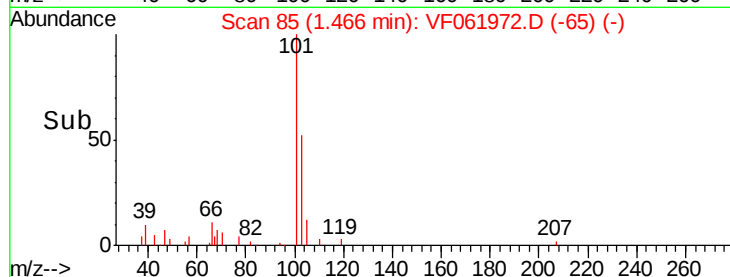
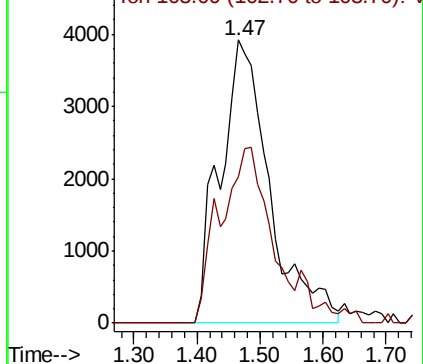
Ion Ratio Lower Upper

101 100

103 51.8 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 4.865 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061972.D

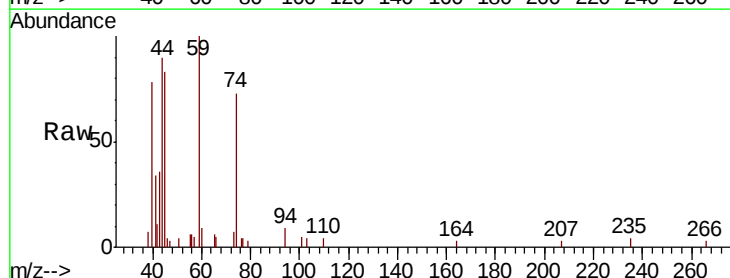
Acq: 16 Mar 2019 10:14

Tgt Ion: 74 Resp: 4443

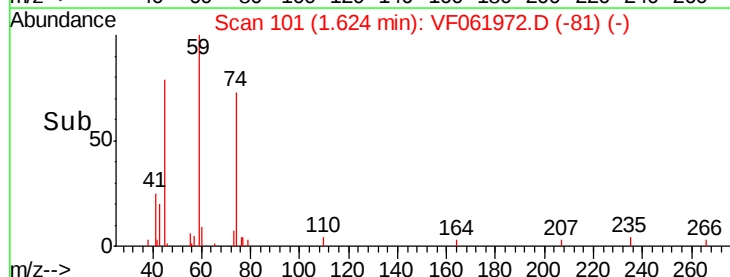
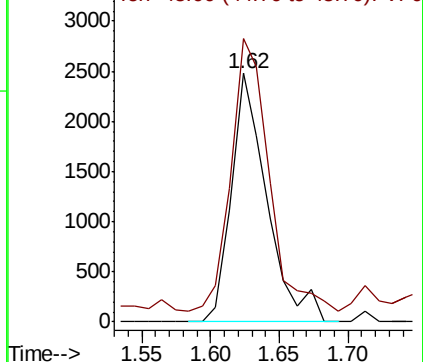
Ion Ratio Lower Upper

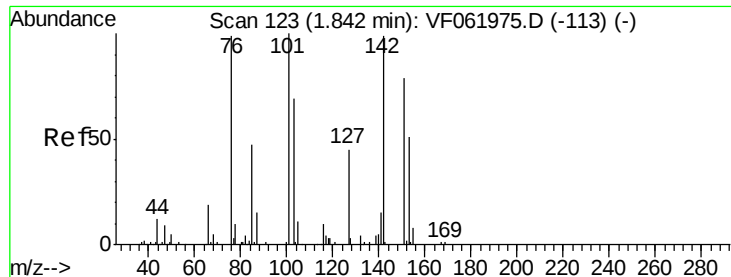
74 100

45 113.8 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.643 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

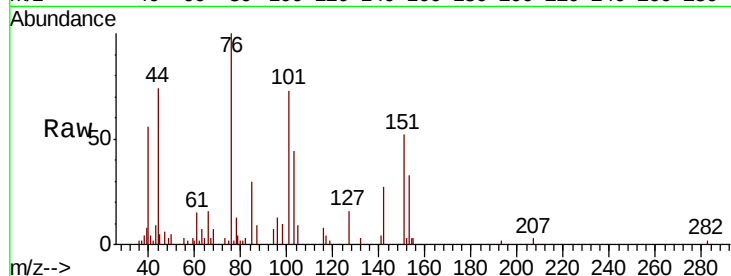
Tot Ion:101 Resp: 16334

Ion Ratio Lower Upper

101 100

85 41.1 36.8 55.2

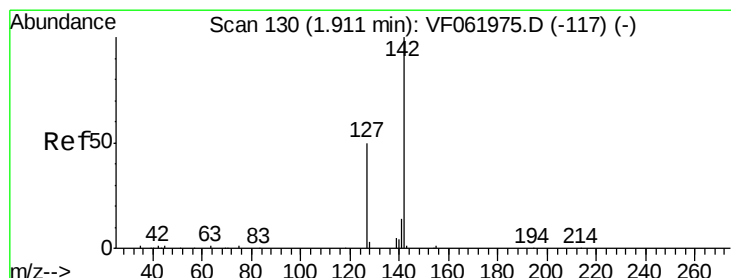
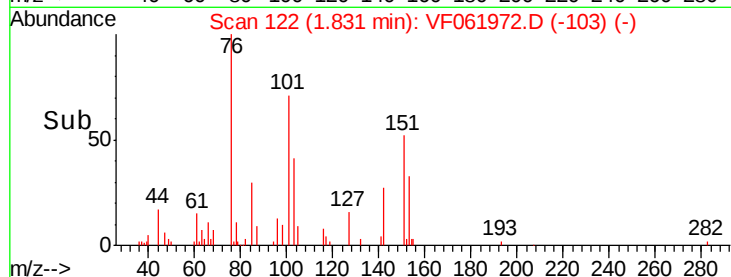
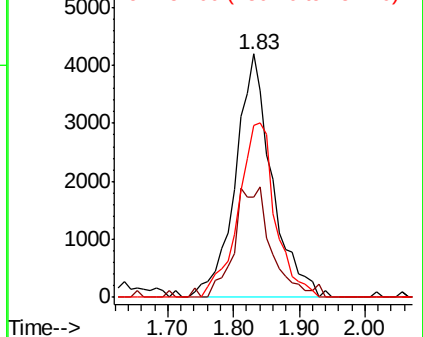
151 70.4 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 3.826 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

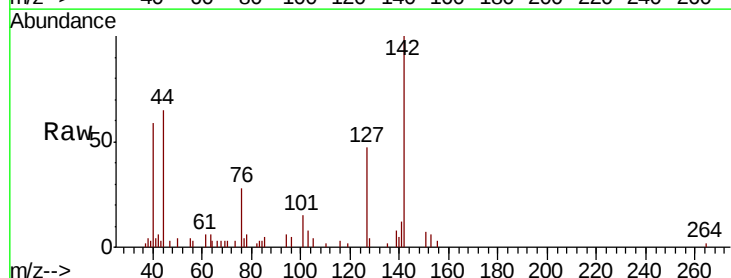
Tgt Ion:142 Resp: 19381

Ion Ratio Lower Upper

142 100

127 47.1 39.7 59.5

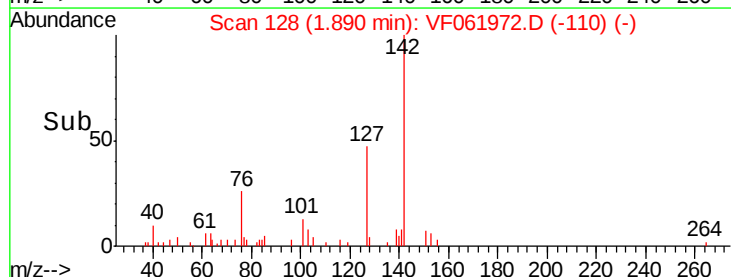
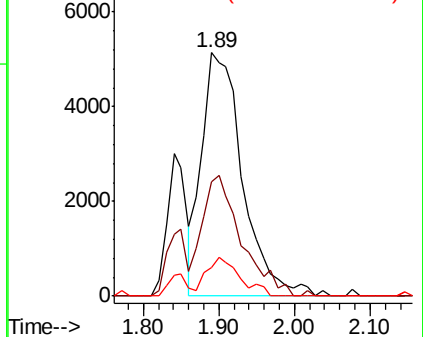
141 11.8 10.8 16.2

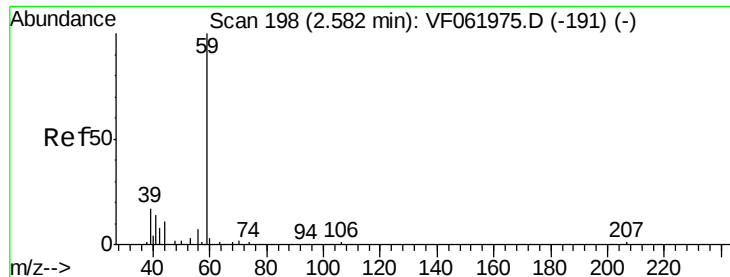


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

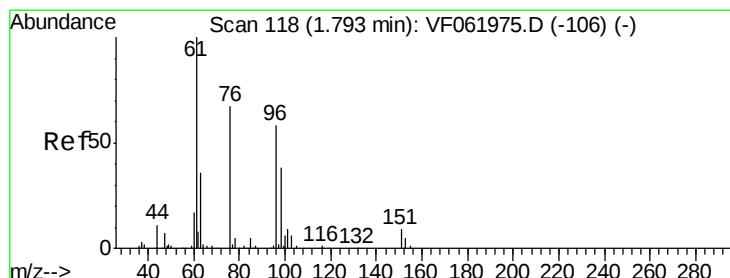
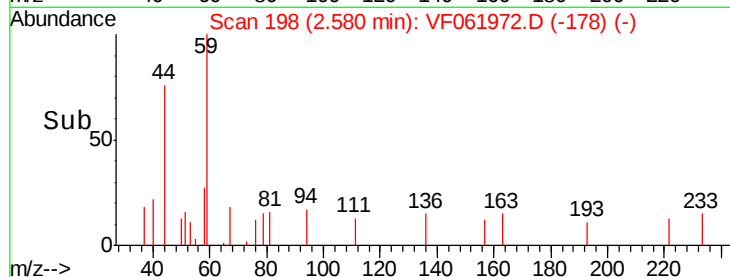
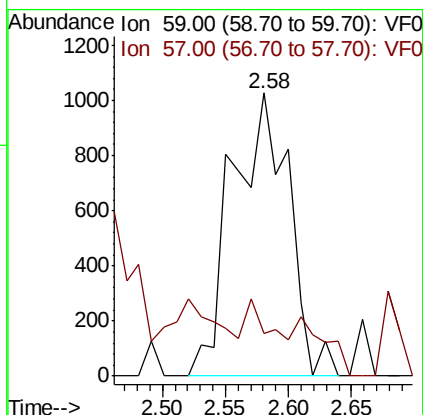
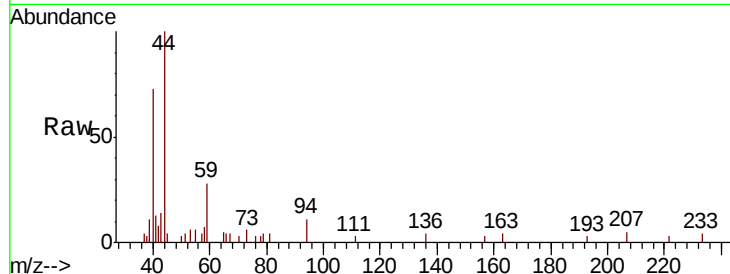




#11
Tert butyl alcohol
Concen: 24.622 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

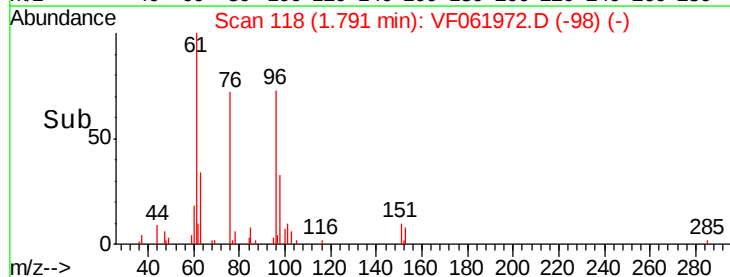
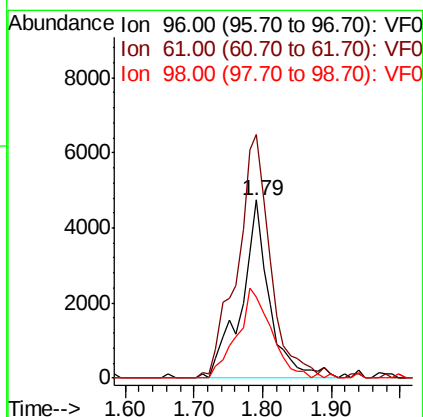
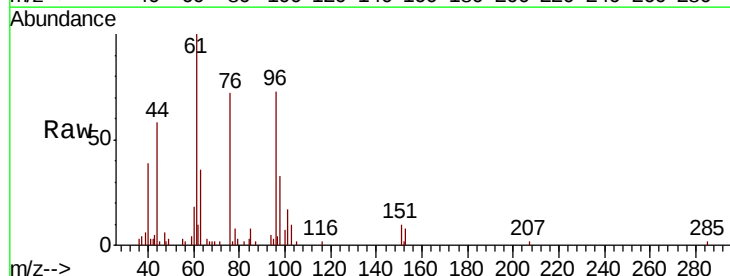
Instrument :
MSVOA_F
ClientSampled :

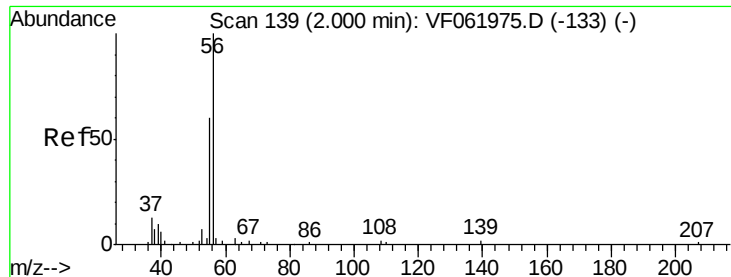
Tot Ion: 59 Resp: 3210
Ion Ratio Lower Upper
59 100
57 15.2 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 5.385 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 96 Resp: 13453
Ion Ratio Lower Upper
96 100
61 137.0 138.6 208.0#
98 45.7 53.2 79.8#

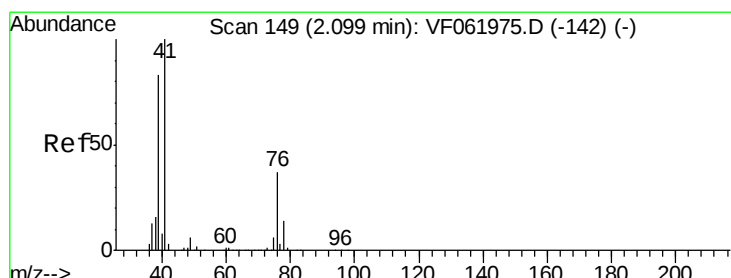
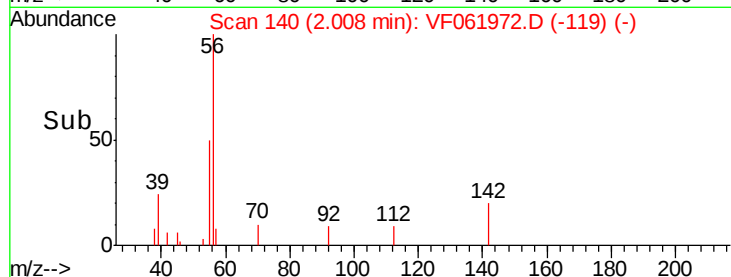
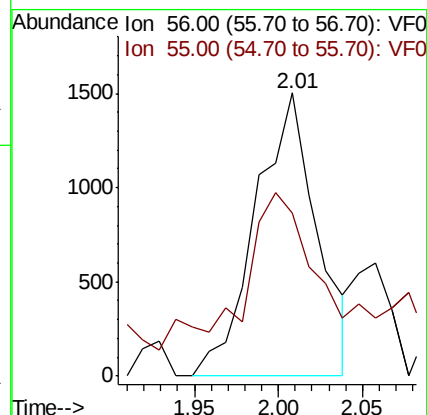
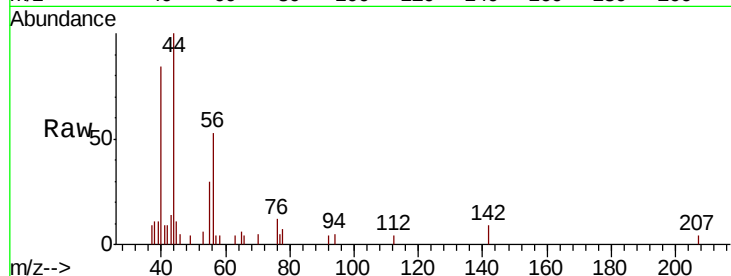




#13
Acrolein
Concen: 27.057 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

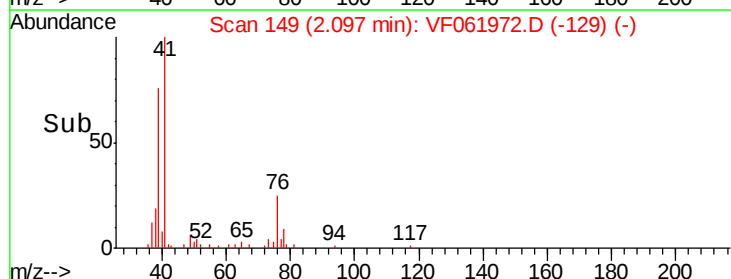
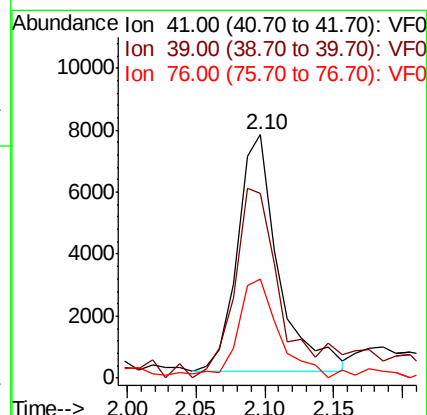
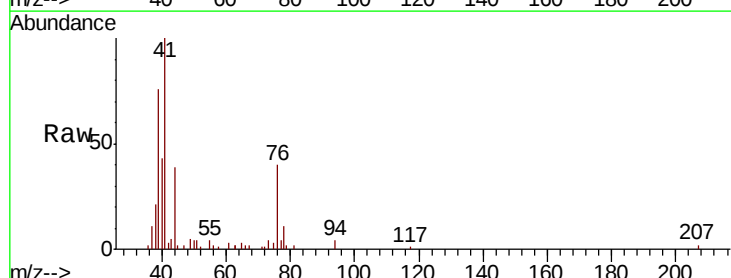
Instrument :
MSVOA_F
ClientSampleId :

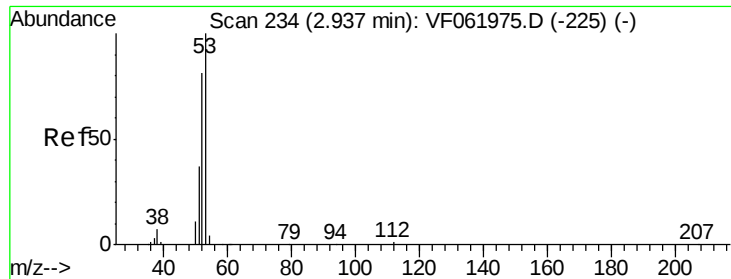
Tot Ion: 56 Resp: 3808
Ion Ratio Lower Upper
56 100
55 57.4 49.1 73.7



#14
Allyl chloride
Concen: 4.969 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 41 Resp: 15846
Ion Ratio Lower Upper
41 100
39 76.1 66.8 100.2
76 40.4 31.1 46.7





#15

Acrylonitrile

Concen: 23.975 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

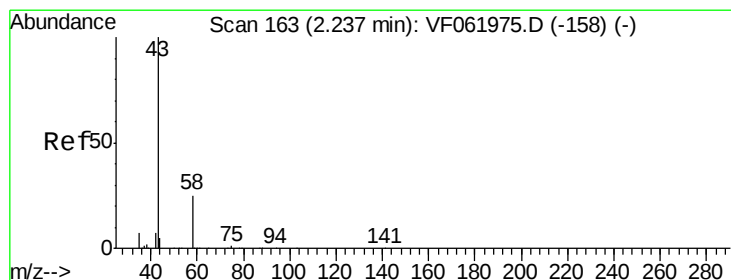
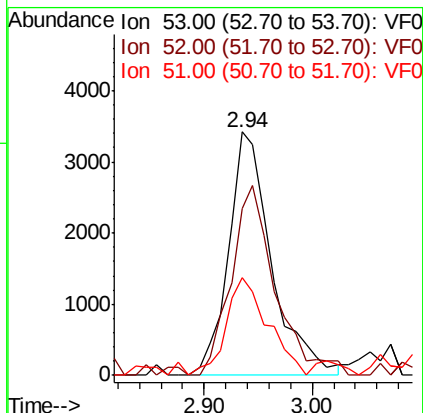
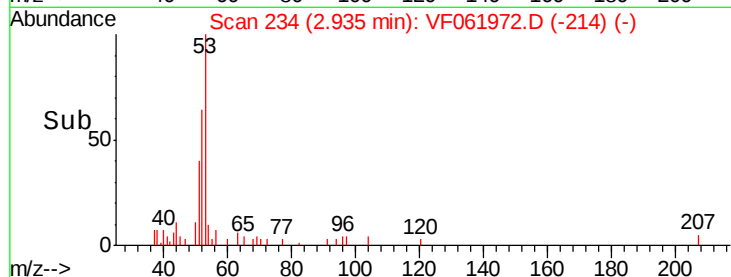
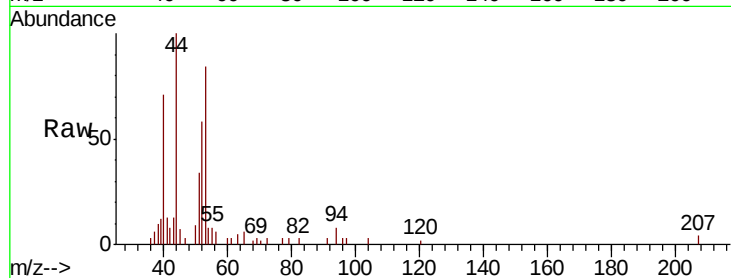
Tot Ion: 53 Resp: 9505

Ion Ratio Lower Upper

53 100

52 68.6 64.4 96.6

51 40.1 30.3 45.5



#16

Acetone

Concen: 23.515 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061972.D

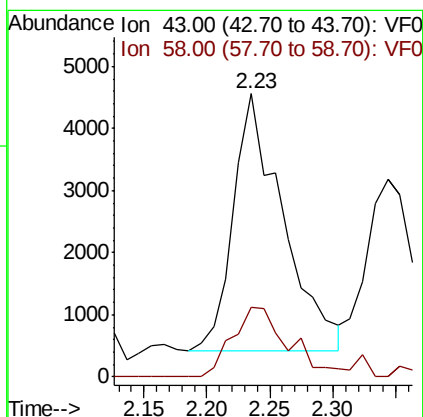
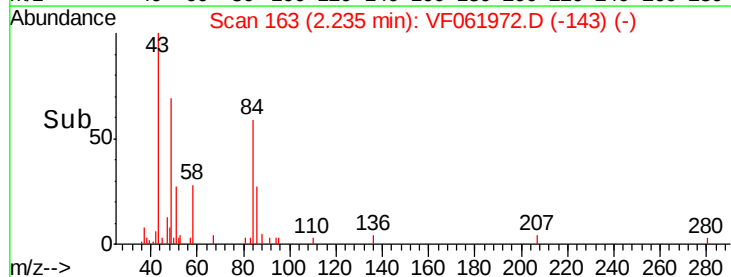
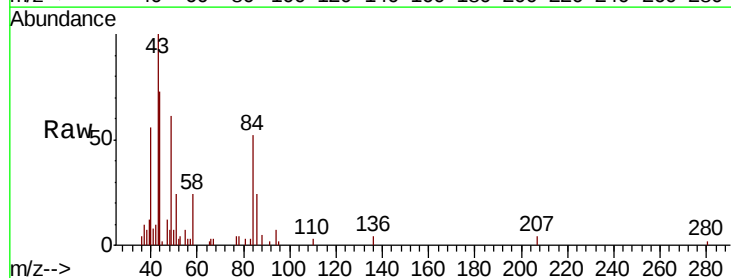
Acq: 16 Mar 2019 10:14

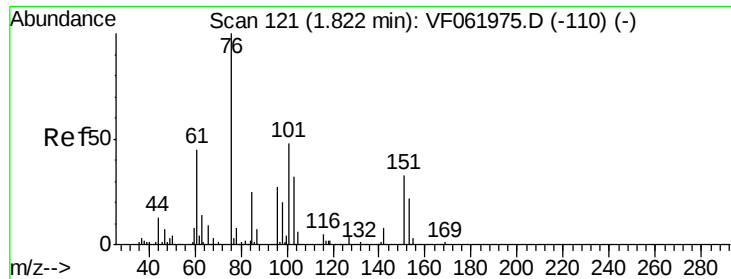
Tgt Ion: 43 Resp: 11250

Ion Ratio Lower Upper

43 100

58 24.5 19.9 29.9

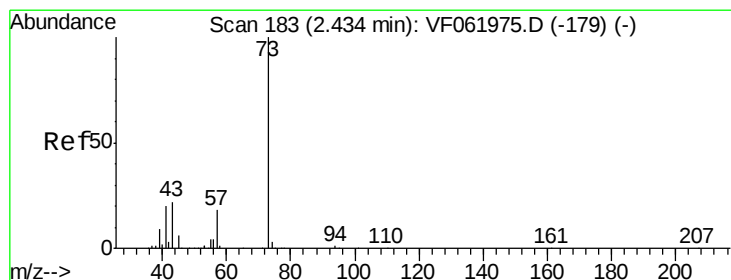
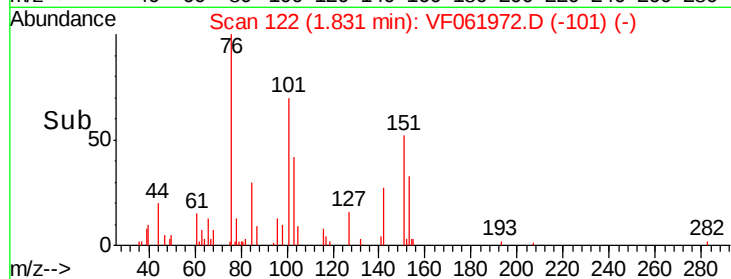
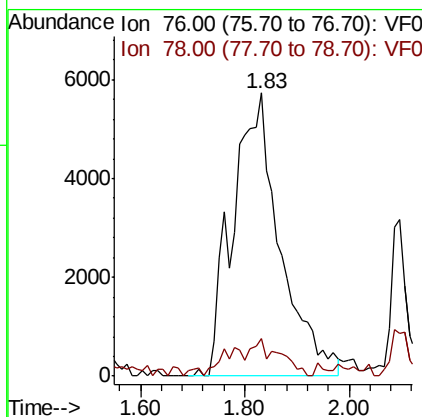
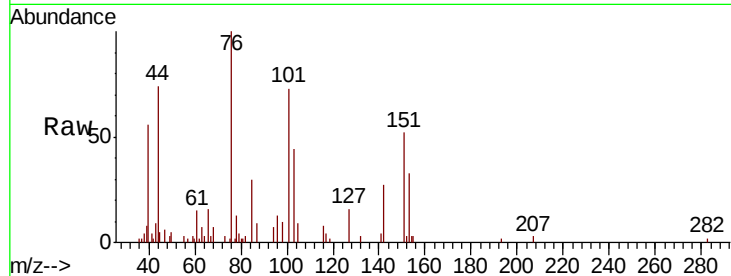




#17
Carbon Disulfide
Concen: 4.921 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

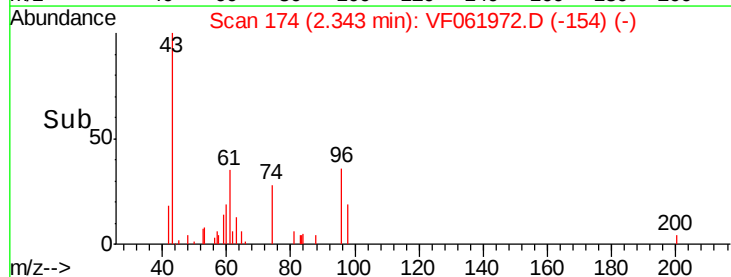
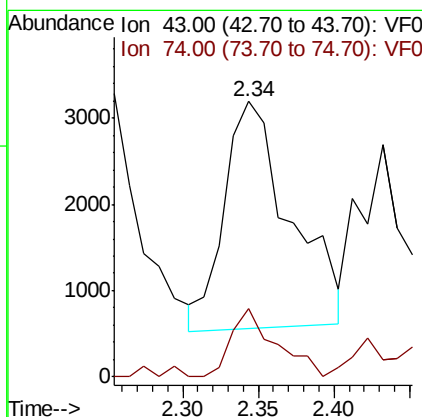
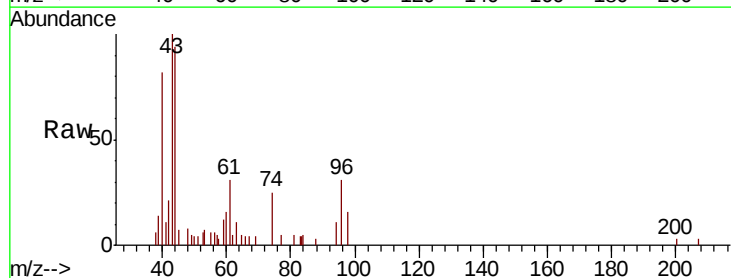
Instrument :
MSVOA_F
ClientSampleId :

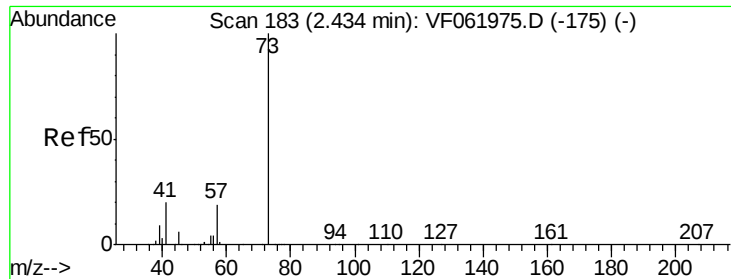
Tot Ion: 76 Resp: 35554
Ion Ratio Lower Upper
76 100
78 13.4 6.8 10.2#



#18
Methyl Acetate
Concen: 7.859 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 43 Resp: 7987
Ion Ratio Lower Upper
43 100
74 24.6 18.3 27.5

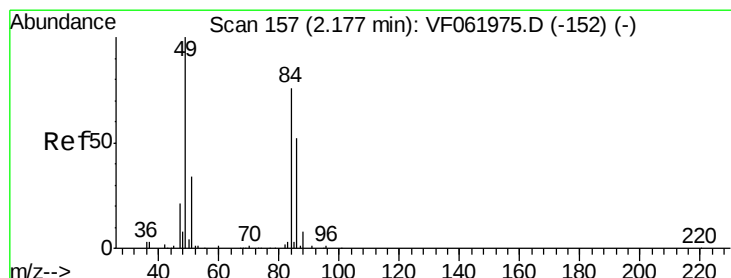
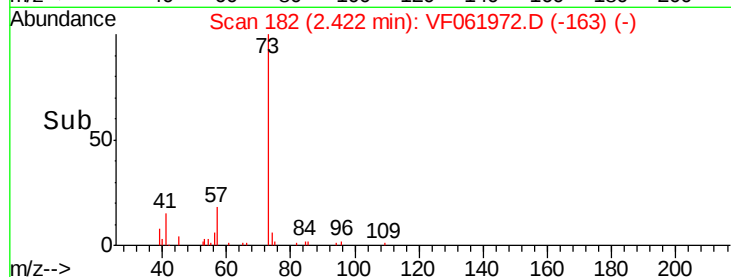
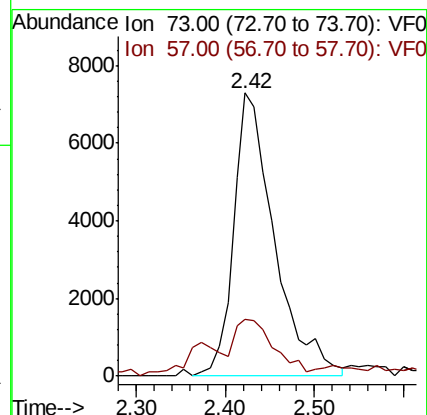
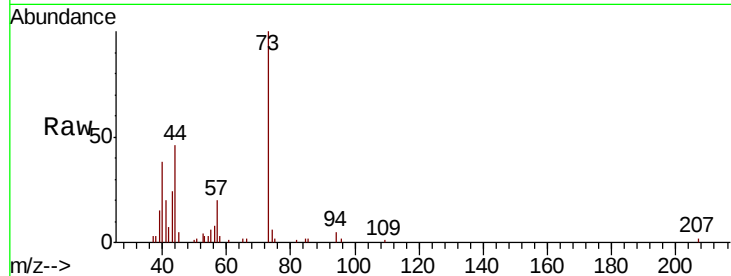




#19
Methvl tert-butvl Ether
Concen: 5.155 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

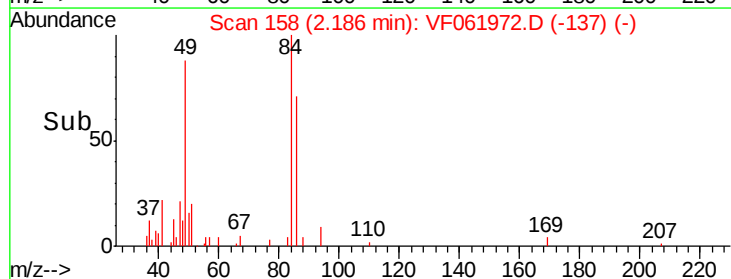
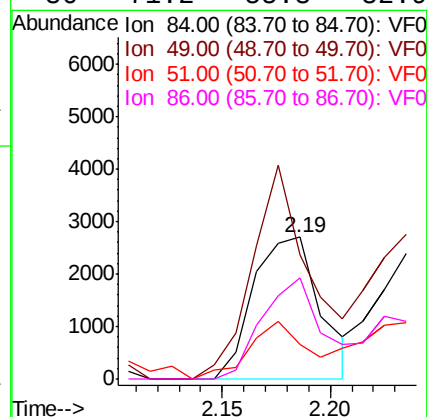
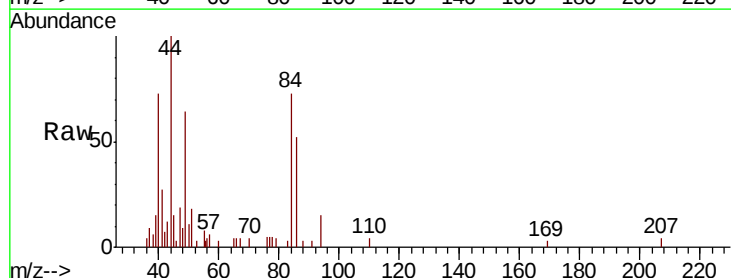
Instrument :
MSVOA_F
ClientSampleId :

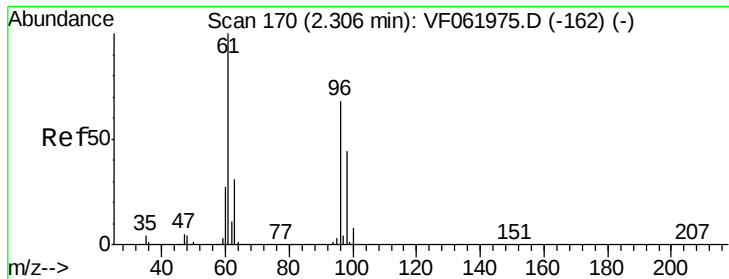
Tot Ion: 73 Resp: 23334
Ion Ratio Lower Upper
73 100
57 20.0 15.3 22.9



#20
Methylene Chloride
Concen: 2.365 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 84 Resp: 5826
Ion Ratio Lower Upper
84 100
49 87.7 107.0 160.6#
51 24.2 37.2 55.8#
86 71.2 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 5.329 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

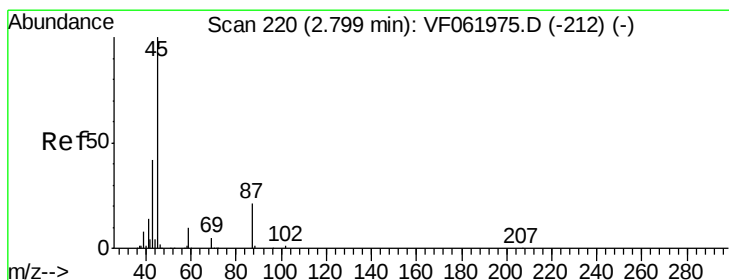
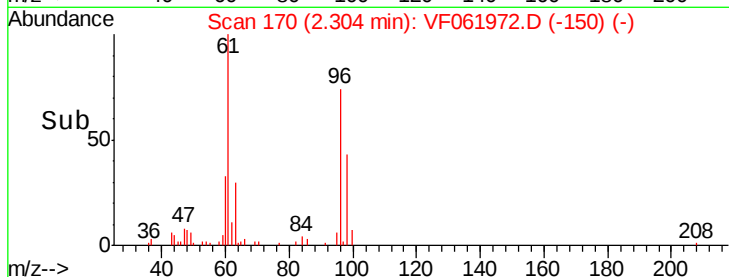
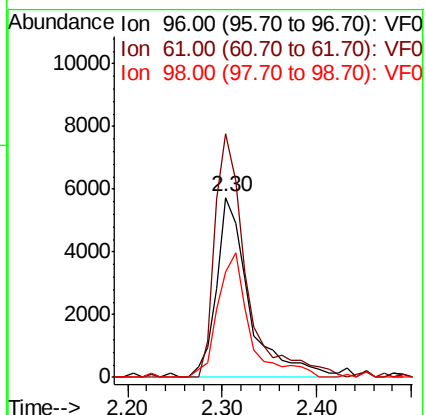
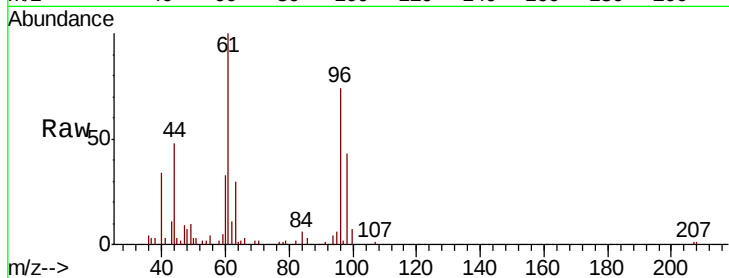
Tot Ion: 96 Resp: 13891

Ion Ratio Lower Upper

96 100

61 135.1 117.4 176.2

98 58.6 51.2 76.8



#22

Diisopropyl ether

Concen: 4.919 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Tgt Ion: 45 Resp: 37726

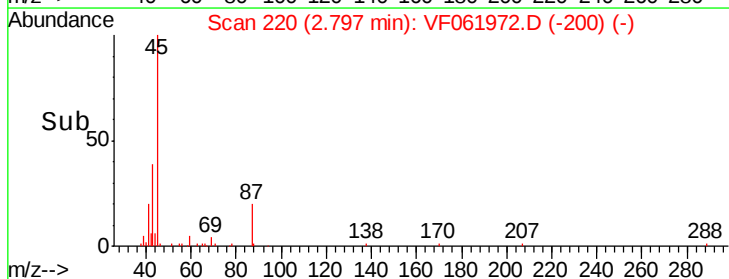
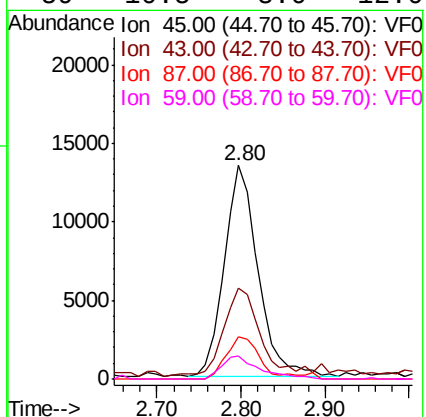
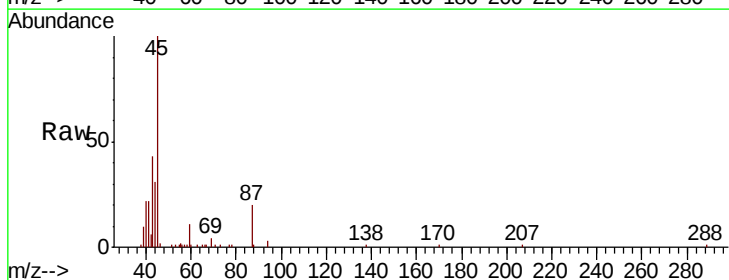
Ion Ratio Lower Upper

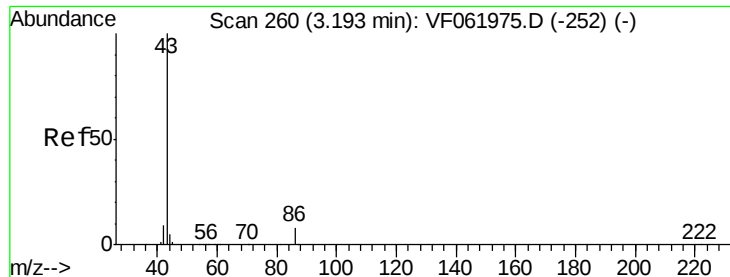
45 100

43 42.6 33.7 50.5

87 19.6 17.1 25.7

59 10.5 8.0 12.0





#23

Vinyl Acetate

Concen: 22.158 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

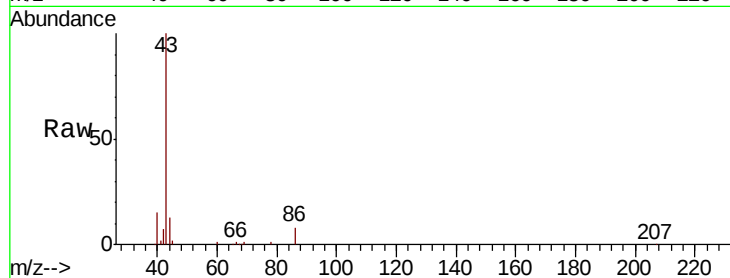
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 66996

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

25000

20000

15000

10000

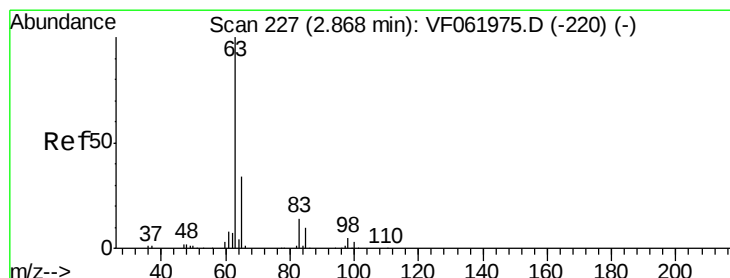
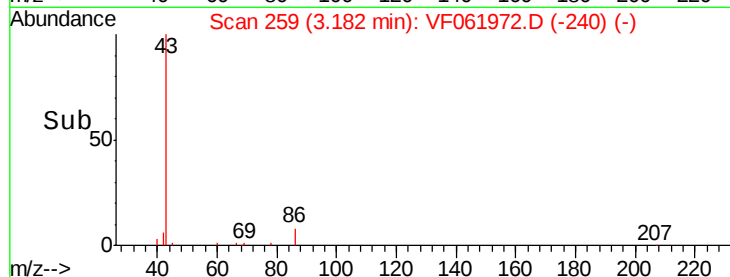
5000

0

3.18

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 4.612 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

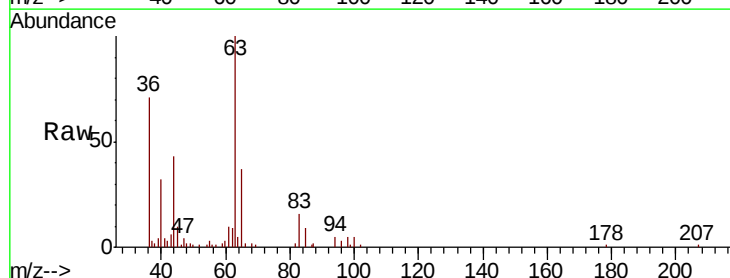
Tgt Ion: 63 Resp: 20570

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 4.9 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

12000

10000

8000

6000

4000

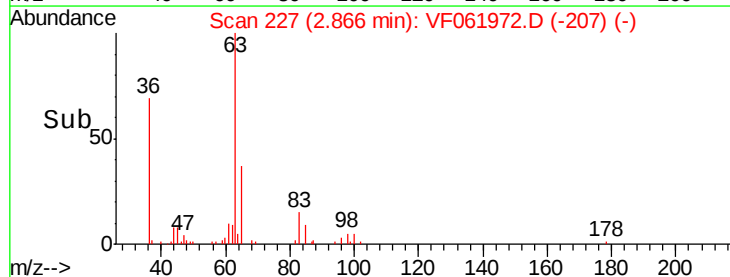
2000

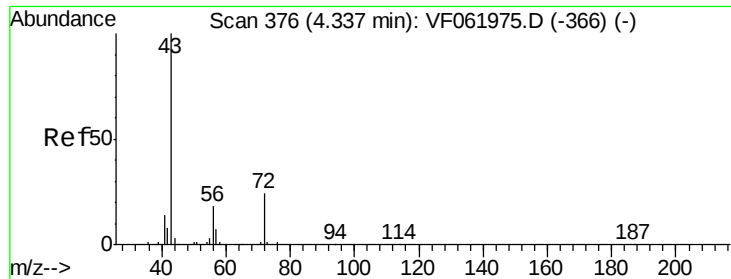
0

2.87

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 26.828 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

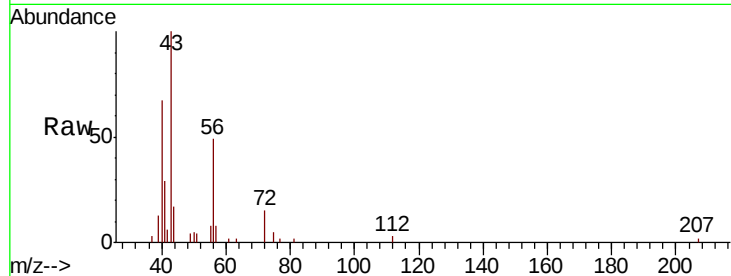
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 25420

Ion Ratio Lower Upper

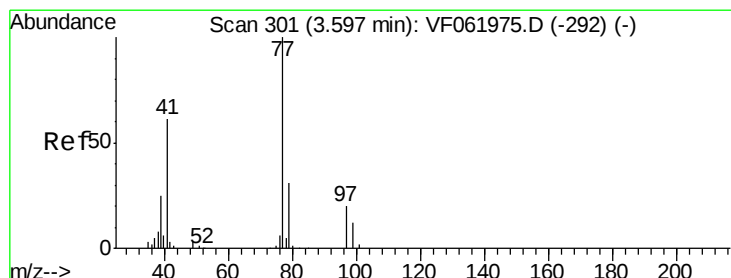
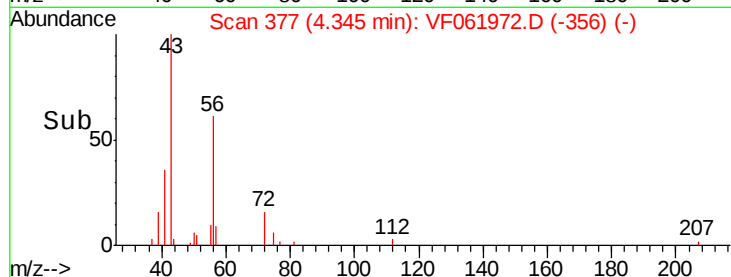
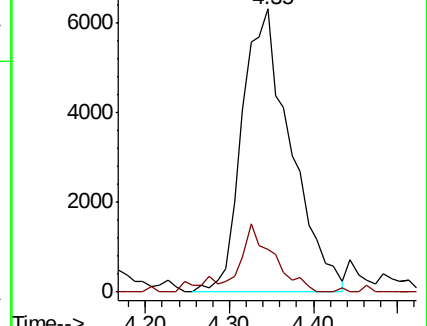
43 100

72 15.2 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 5.235 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061972.D

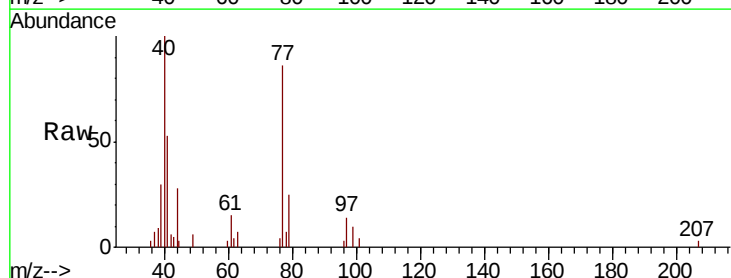
Acq: 16 Mar 2019 10:14

Tgt Ion: 77 Resp: 11013

Ion Ratio Lower Upper

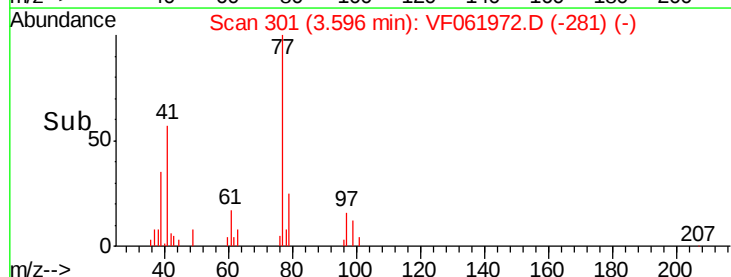
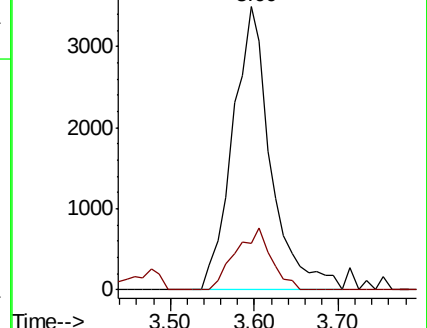
77 100

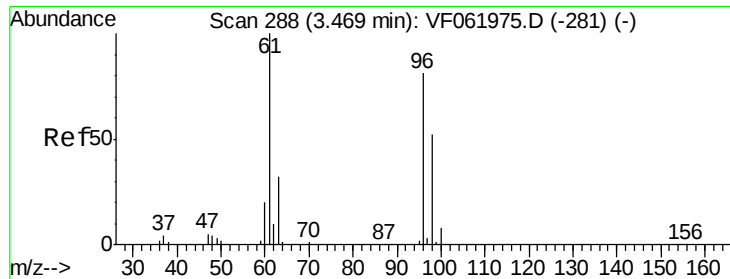
97 16.3 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



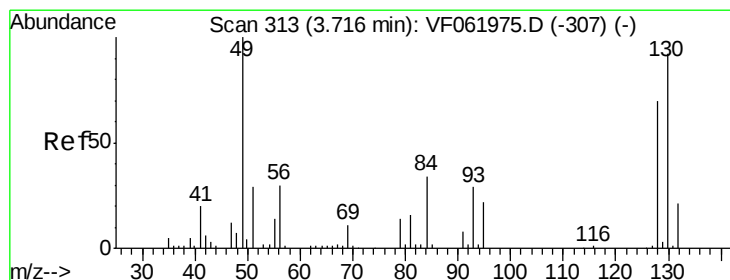
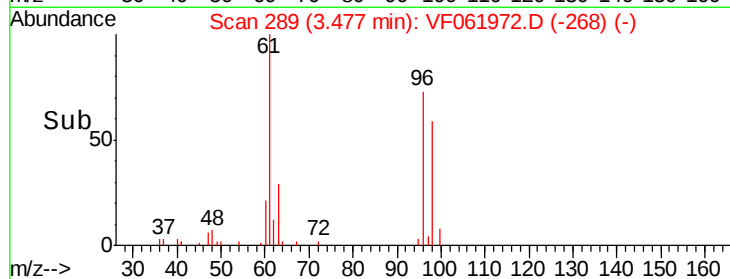
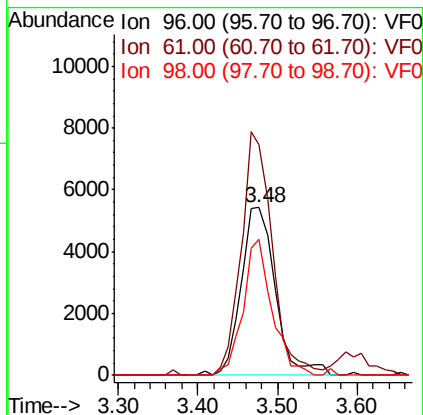
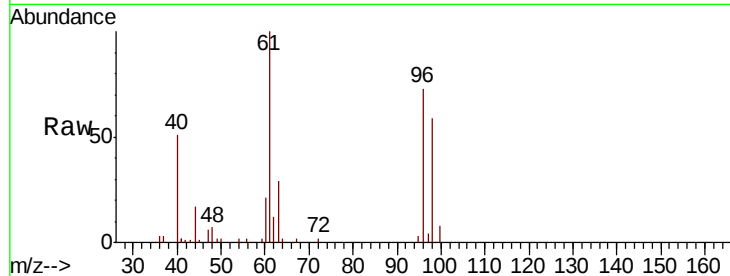


#27

cis-1,2-Dichloroethene
 Concen: 4.883 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Instrument :
 MSVOA_F
 ClientSampled :

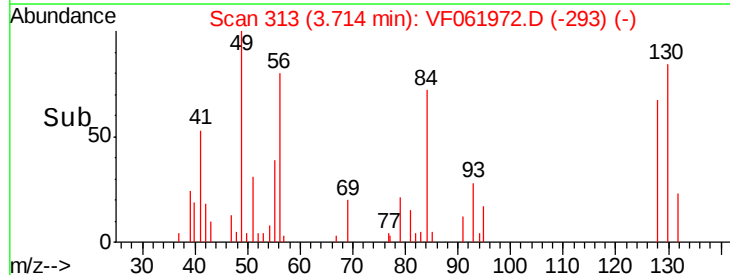
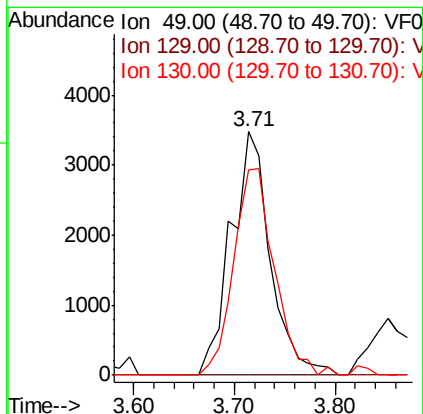
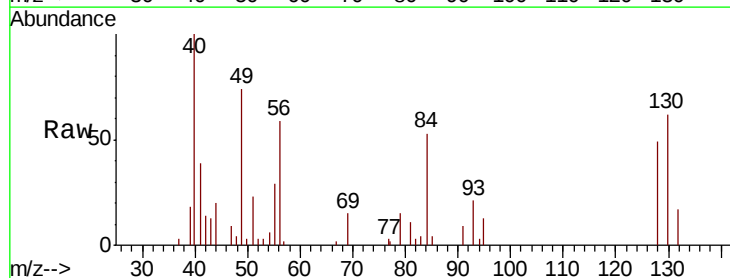
Tot Ion: 96 Resp: 16045
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 246.6
 98 81.3 0.0 129.2

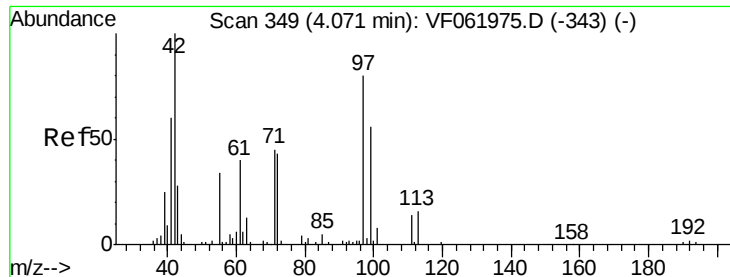


#28

Bromochloromethane
 Concen: 5.113 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion: 49 Resp: 9461
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.8
 130 84.0 73.1 109.7

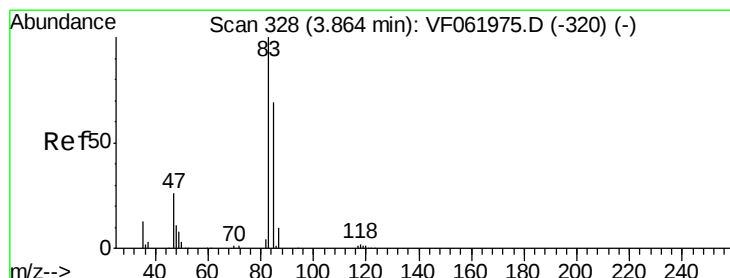
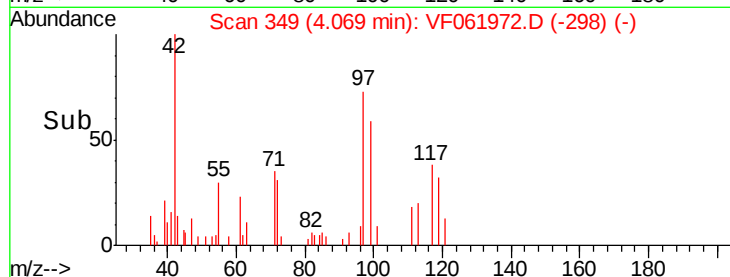
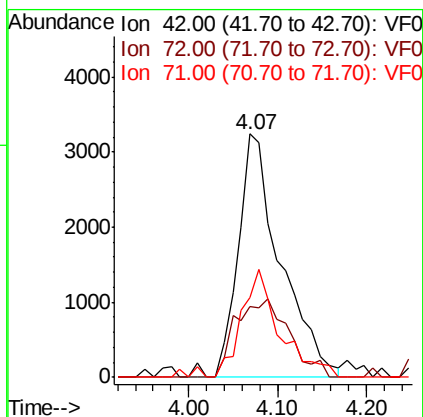
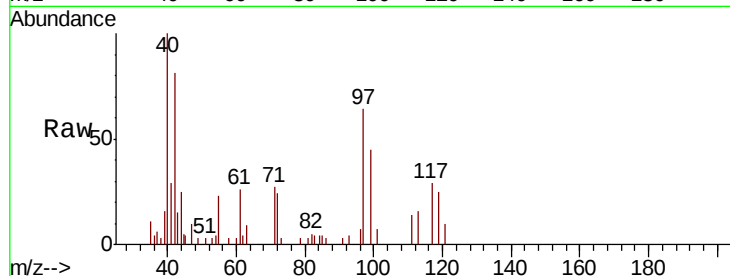




#29
Tetrahydrofuran
Concen: 26.209 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

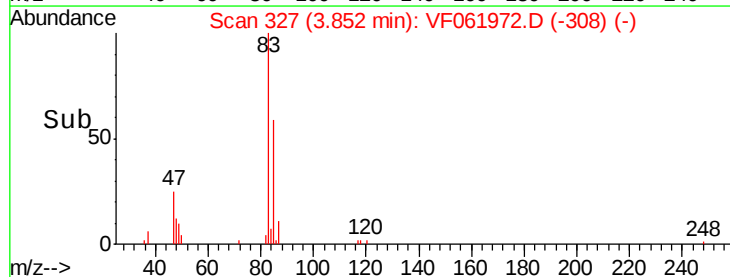
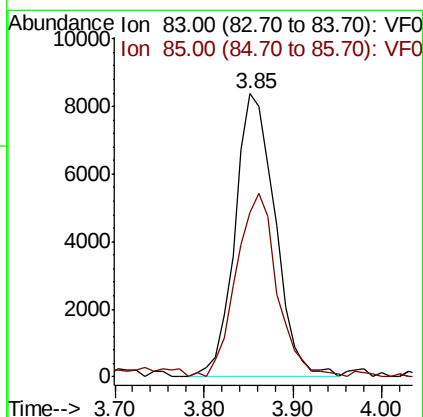
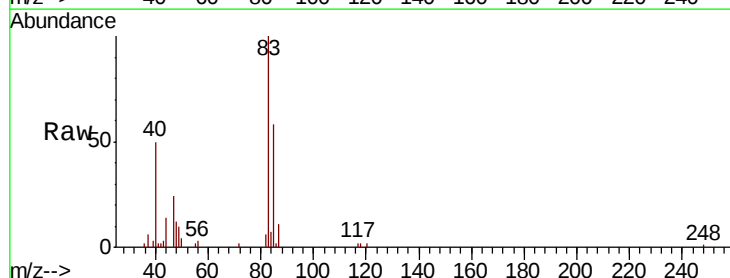
Instrument :
MSVOA_F
ClientSampleId :

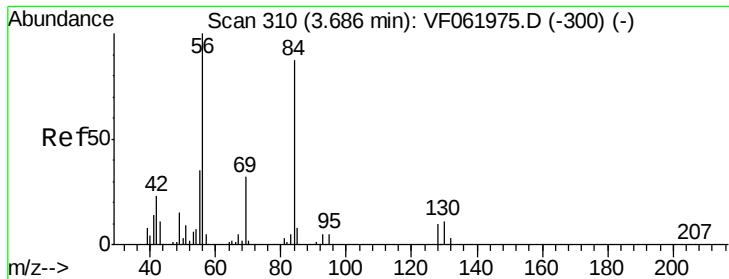
Tot Ion: 42 Resp: 10800
Ion Ratio Lower Upper
42 100
72 40.4 34.0 51.0
71 39.5 34.2 51.4



#30
Chloroform
Concen: 5.190 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 83 Resp: 26224
Ion Ratio Lower Upper
83 100
85 57.9 55.5 83.3





#31

Cyclohexane

Concen: 5.063 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :
MSVOA_F
ClientSampleId :

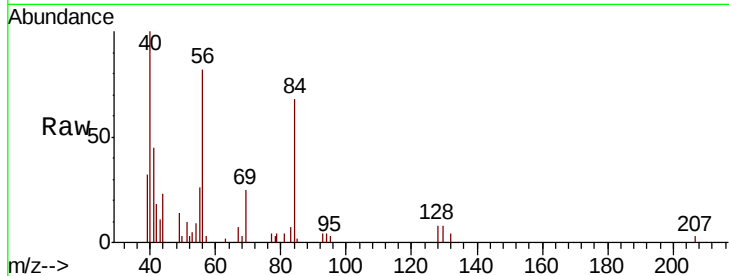
Tot Ion: 56 Resp: 22122

Ion Ratio Lower Upper

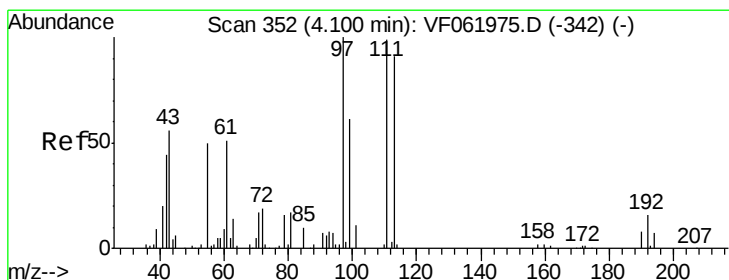
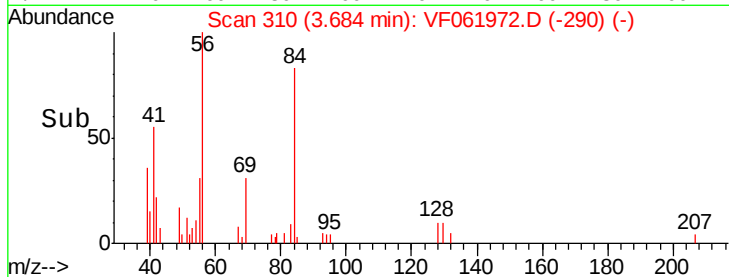
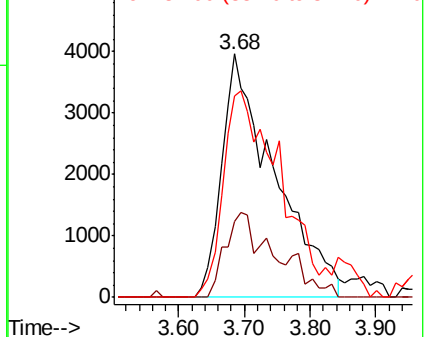
56 100

69 31.0 25.8 38.8

84 82.7 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: 4.952 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

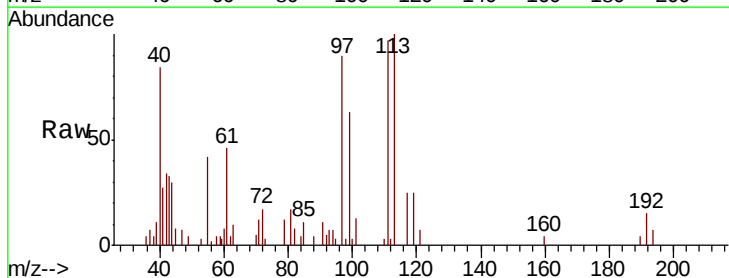
Tgt Ion: 97 Resp: 16617

Ion Ratio Lower Upper

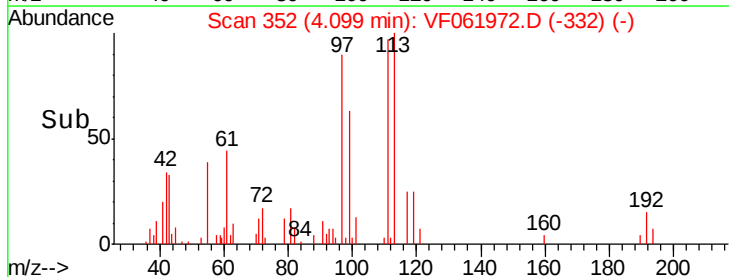
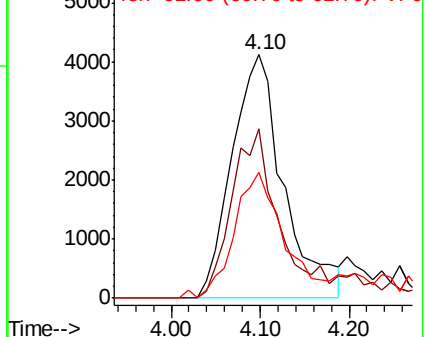
97 100

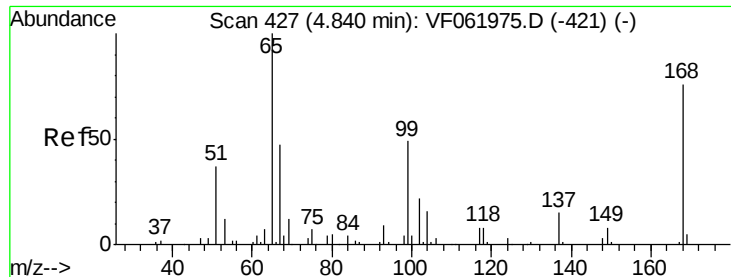
99 69.5 49.0 73.4

61 51.5 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

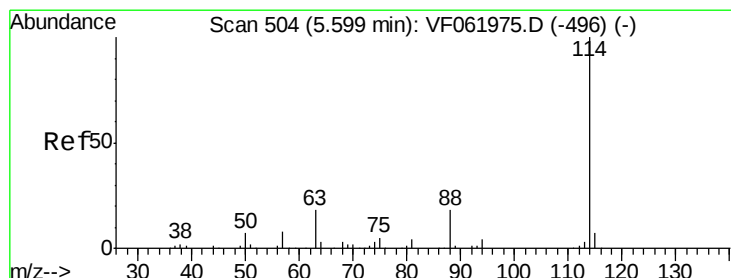
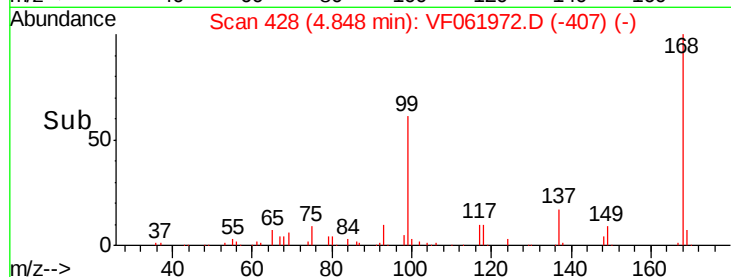
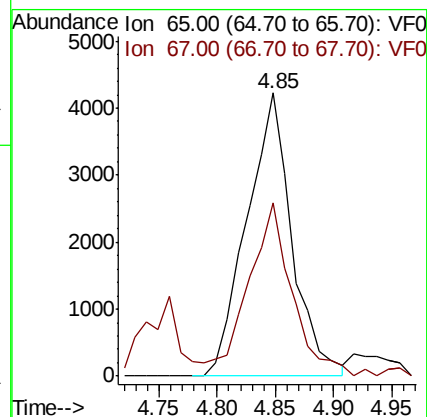
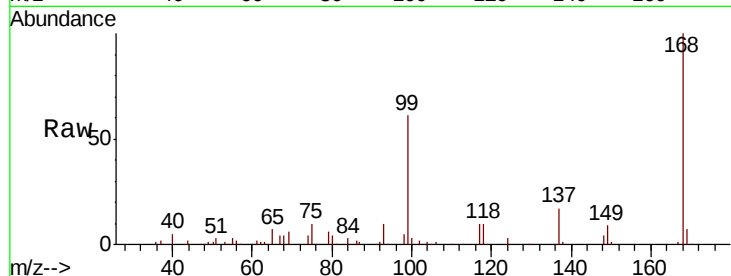




#33
 1,2-Dichloroethane-d4
 Concen: 5.311 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

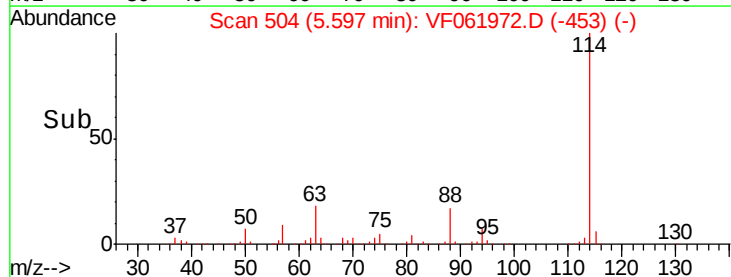
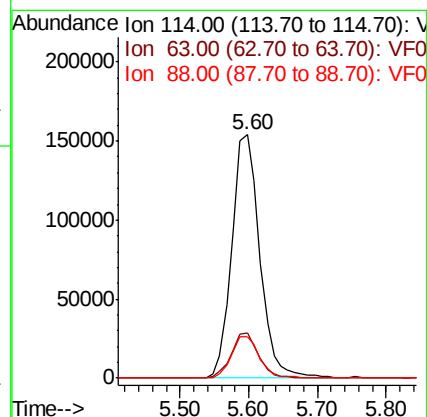
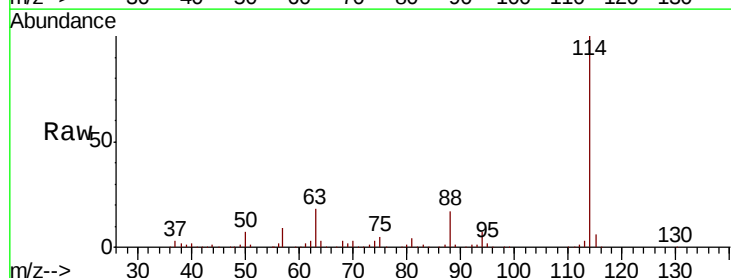
Instrument :
 MSVOA_F
 ClientSampleId :

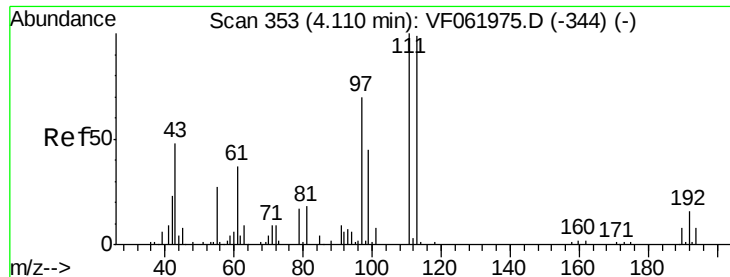
Tot Ion: 65 Resp: 11316
 Ion Ratio Lower Upper
 65 100
 67 61.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion: 114 Resp: 433828
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.4
 88 17.2 0.0 36.4





#35

Dibromofluoromethane

Concen: 5.779 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

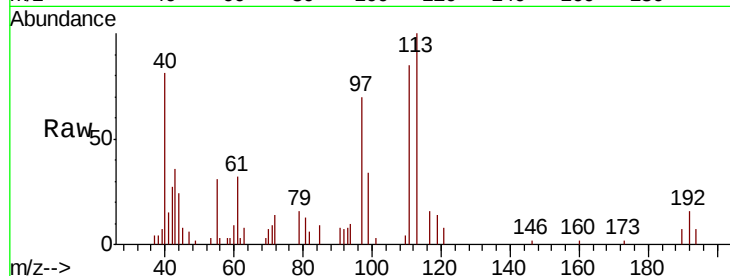
Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 16836

Ion	Ratio	Lower	Upper
113	100		
111	85.4	80.8	121.2
192	16.1	13.0	19.6

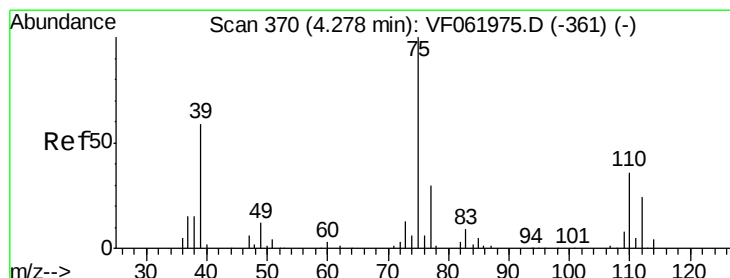
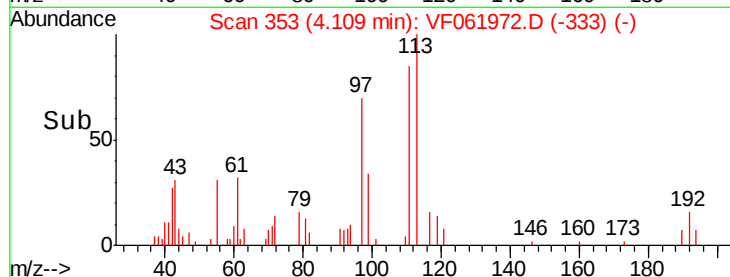
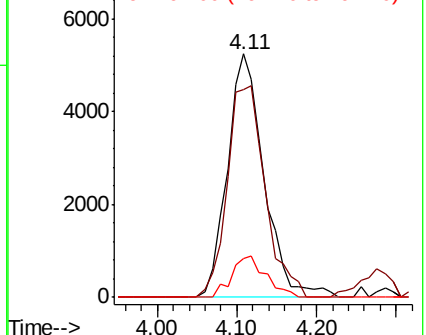


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 5.220 ug/l

RT: 4.28 min Scan# 370

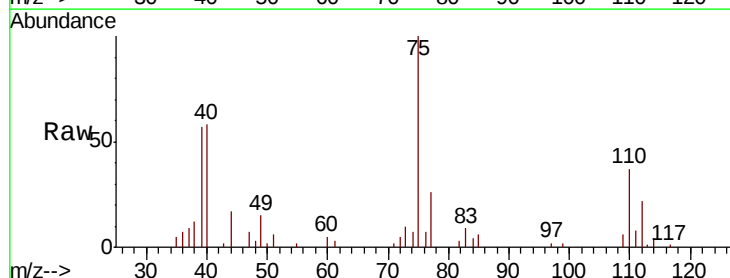
Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Tgt Ion: 75 Resp: 20449

Ion	Ratio	Lower	Upper
75	100		
110	37.3	17.8	53.3
77	26.2	24.2	36.2

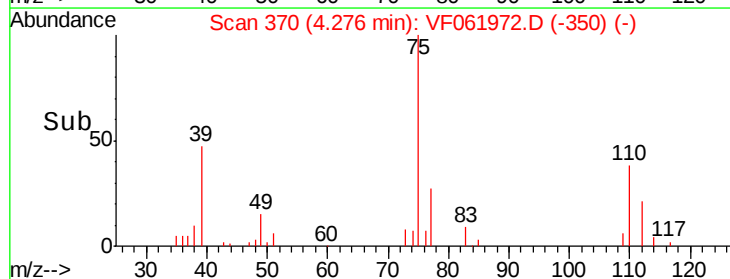
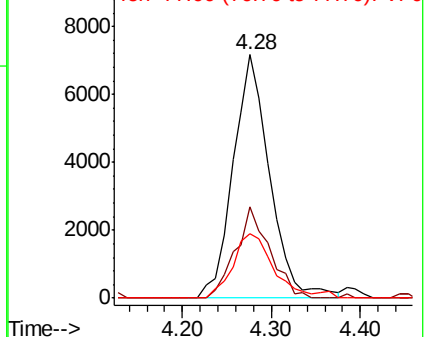


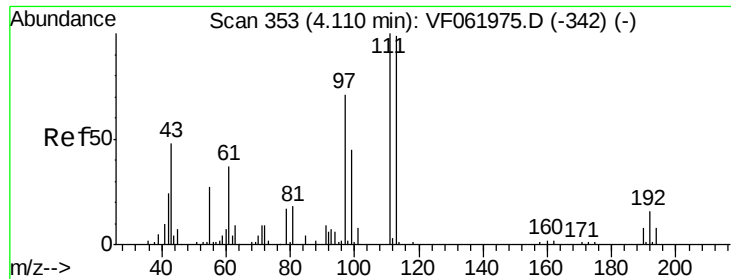
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

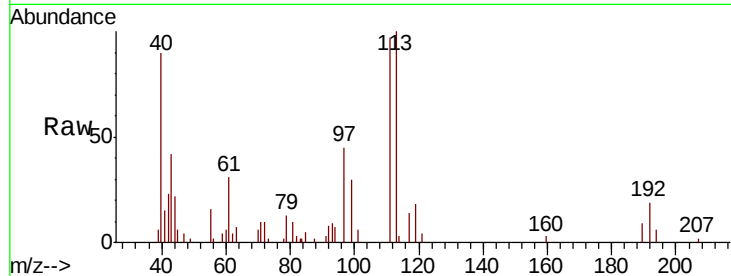




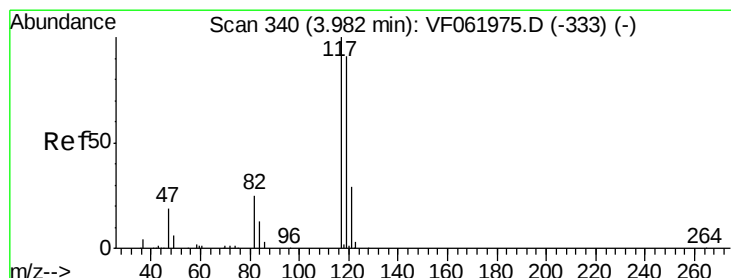
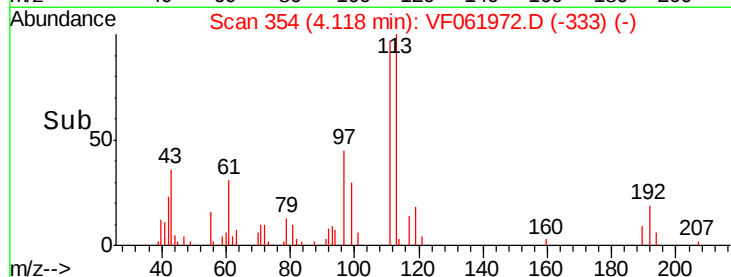
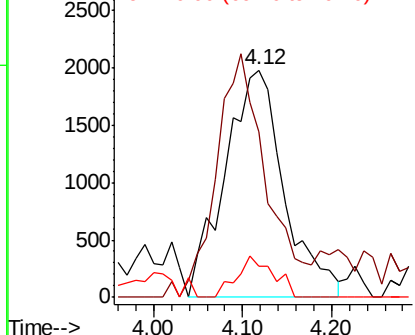
#37
Ethyl Acetate
Concen: 5.220 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 9182
Ion Ratio Lower Upper
43 100
61 72.9 59.8 89.6
70 13.5 7.8 11.8#

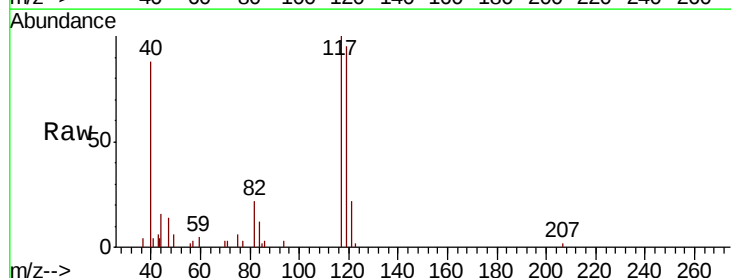


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

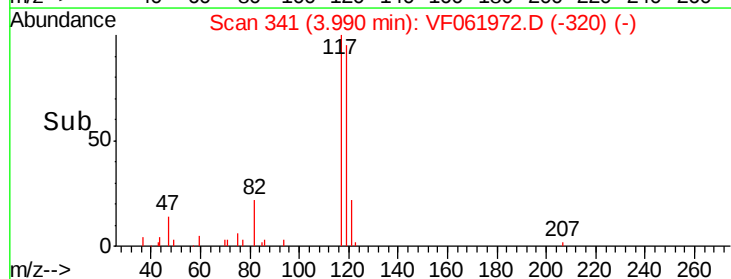
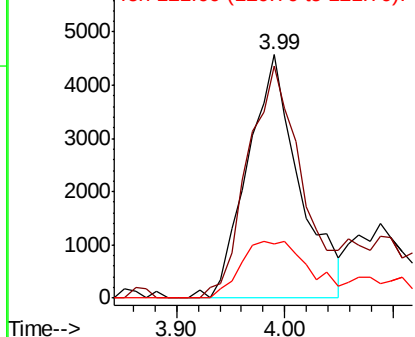


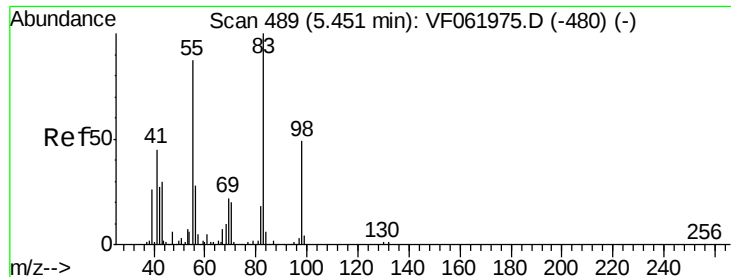
#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 117 Resp: 15138
Ion Ratio Lower Upper
117 100
119 95.3 73.0 109.4
121 22.0 23.0 34.6#



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

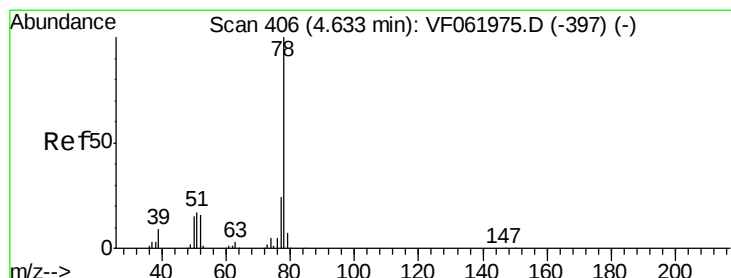
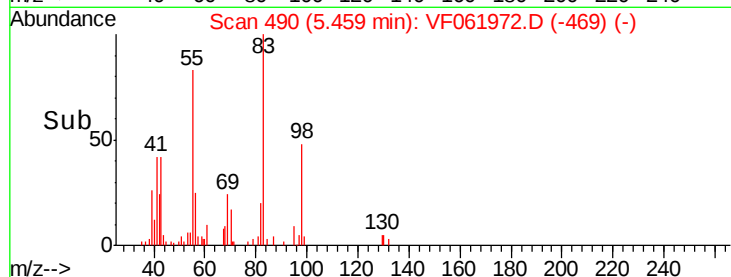
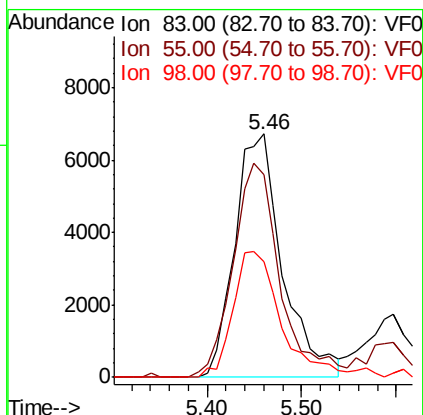
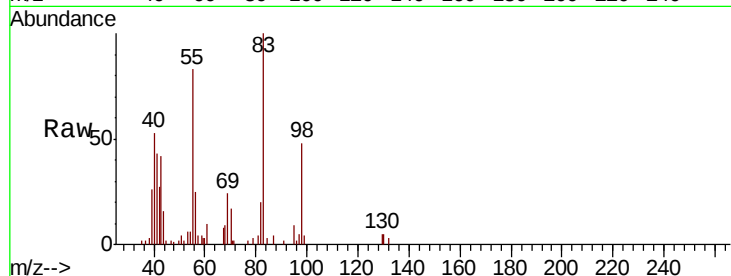




#39
Methvlcvclohexane
Concen: 5.117 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

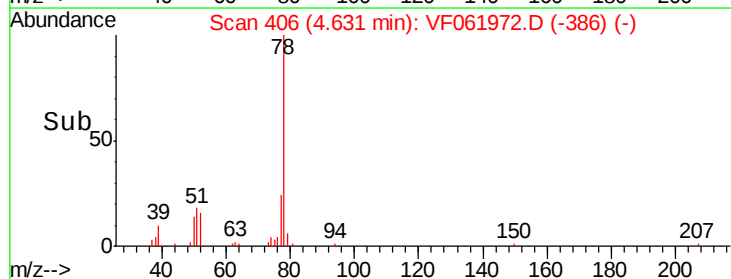
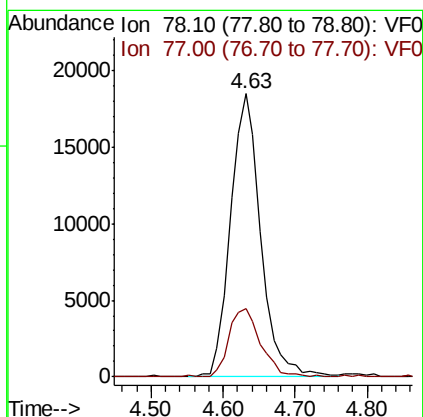
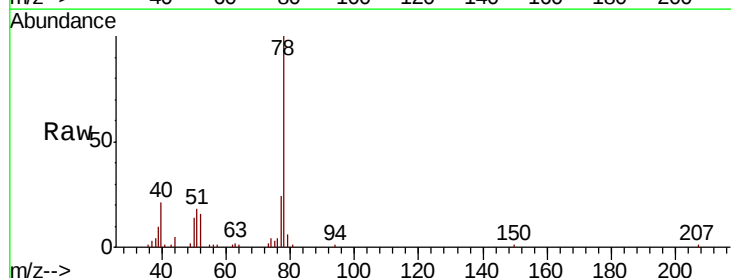
Instrument :
MSVOA_F
ClientSampleId :

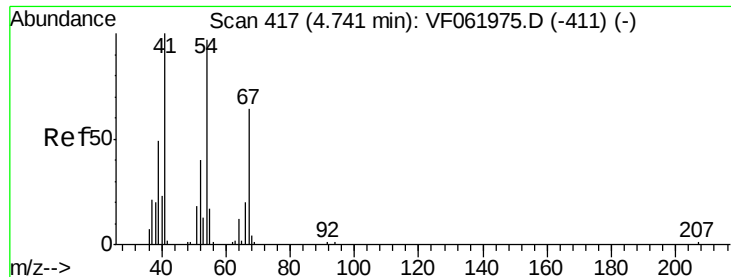
Tot Ion: 83 Resp: 23536
Ion Ratio Lower Upper
83 100
55 83.5 69.7 104.5
98 47.6 39.4 59.0



#40
Benzene
Concen: 5.194 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 78 Resp: 53917
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

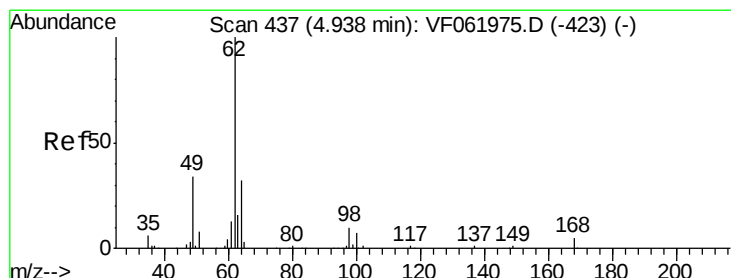
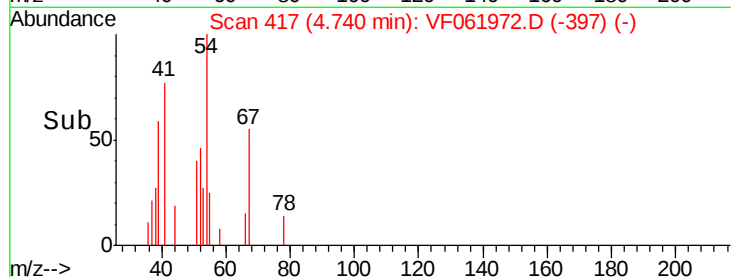
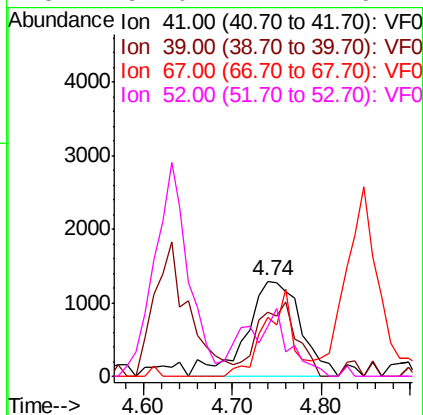
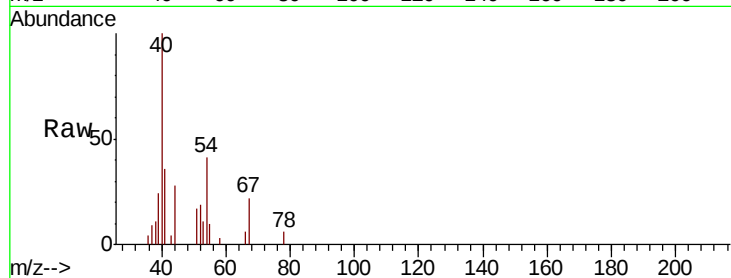




#41
Methacrylonitrile
Concen: 5.839 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

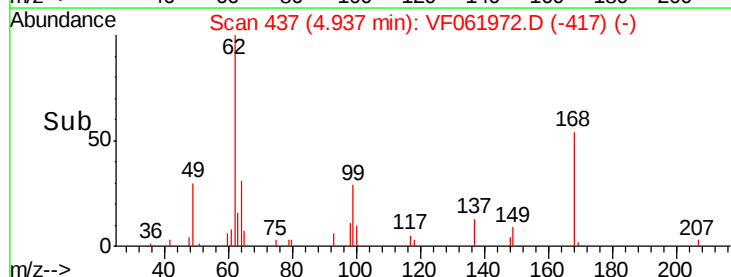
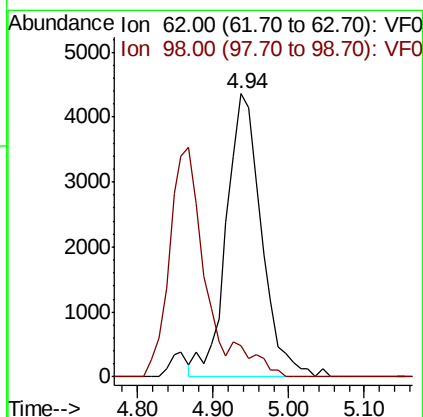
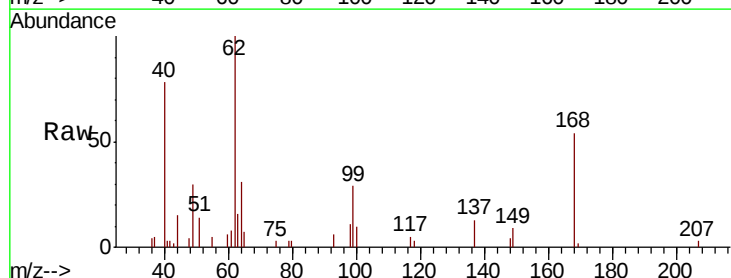
Instrument :
MSVOA_F
ClientSampleId :

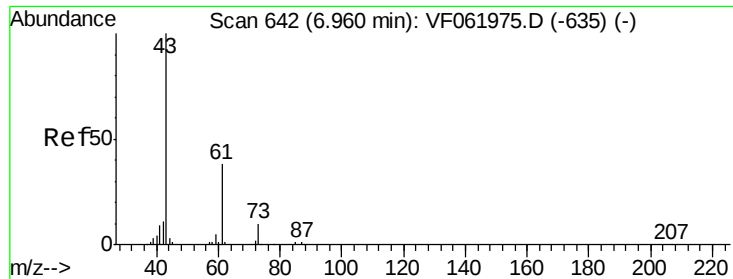
Tot Ion:	41	Resp:	5488
Ion	Ratio	Lower	Upper
41	100		
39	66.8	46.2	69.4
67	62.0	49.8	74.8
52	52.0	42.7	64.1



#42
1,2-Dichloroethane
Concen: 5.434 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion:	62	Resp:	14042
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.8



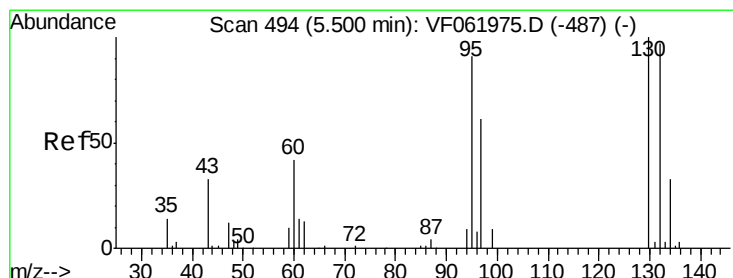
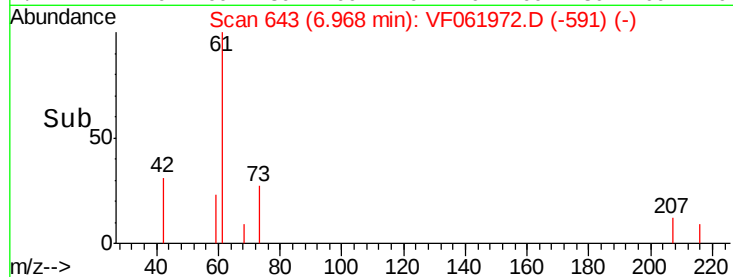
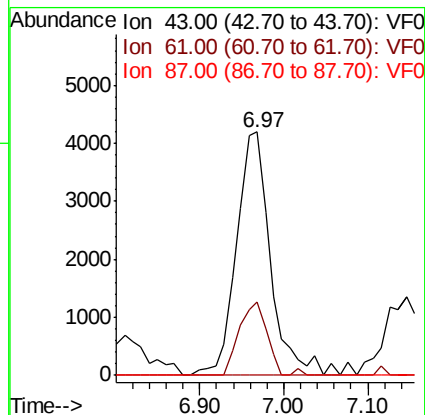
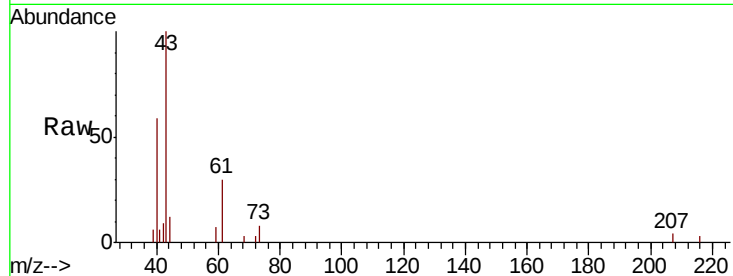


#43

Isopropyl Acetate
 Concen: 5.715 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Instrument :
 MSVOA_F
 ClientSampled :

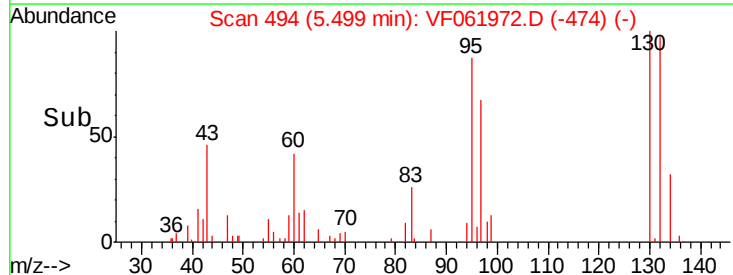
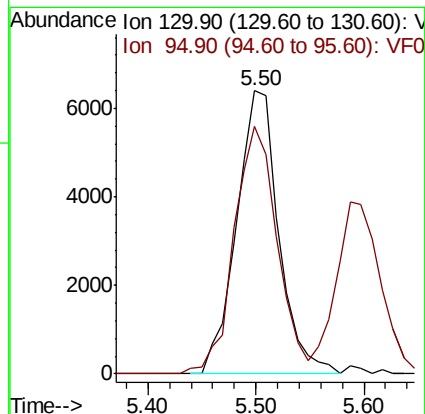
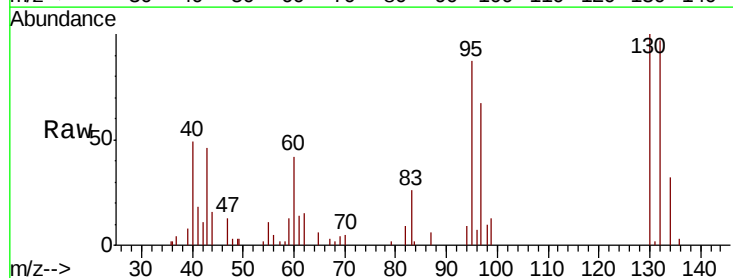
Tot Ion: 43 Resp: 11895
 Ion Ratio Lower Upper
 43 100
 61 30.0 30.1 45.1#
 87 0.0 0.4 0.6#

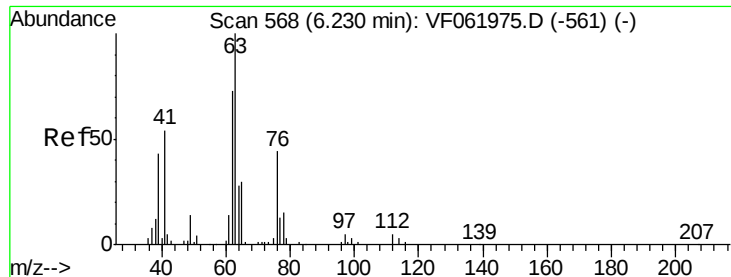


#44

Trichloroethene
 Concen: 5.463 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion: 130 Resp: 17371
 Ion Ratio Lower Upper
 130 100
 95 87.4 0.0 181.4





#45

1,2-Dichloropropane

Concen: 5.062 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

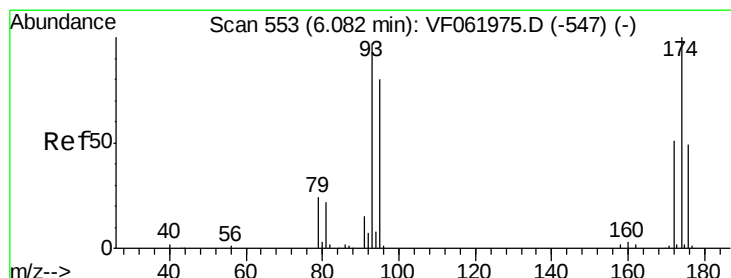
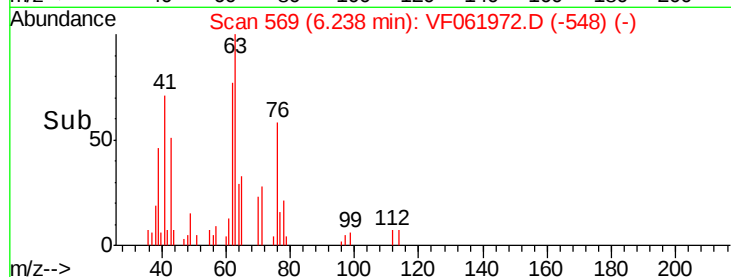
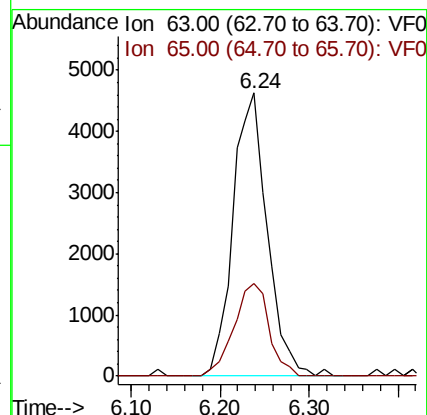
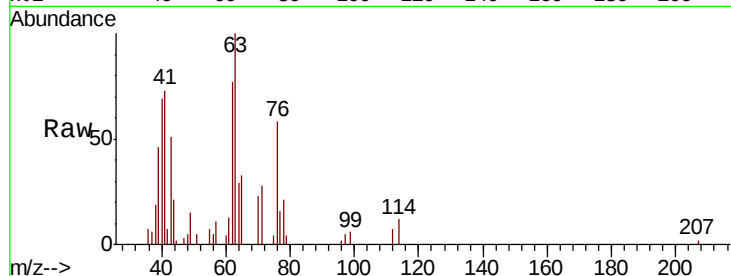
ClientSampled :

Tot Ion: 63 Resp: 12435

Ion Ratio Lower Upper

63 100

65 32.6 23.7 35.5



#46

Dibromomethane

Concen: 4.441 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

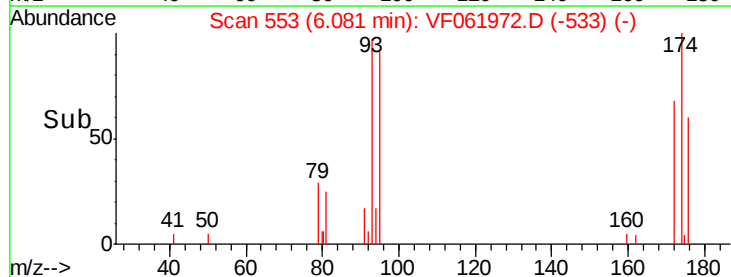
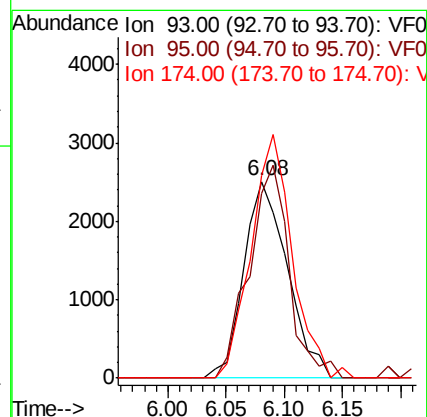
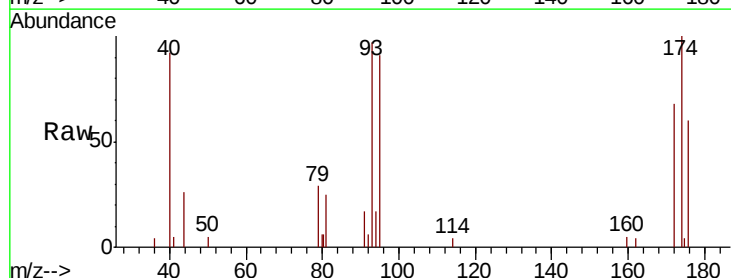
Tgt Ion: 93 Resp: 6491

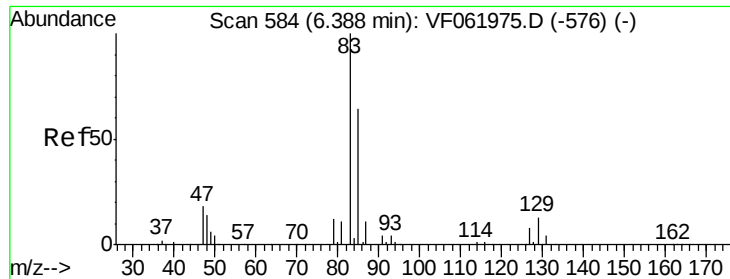
Ion Ratio Lower Upper

93 100

95 94.2 65.7 98.5

174 103.2 82.2 123.4





#47

Bromodichloromethane

Concen: 5.047 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

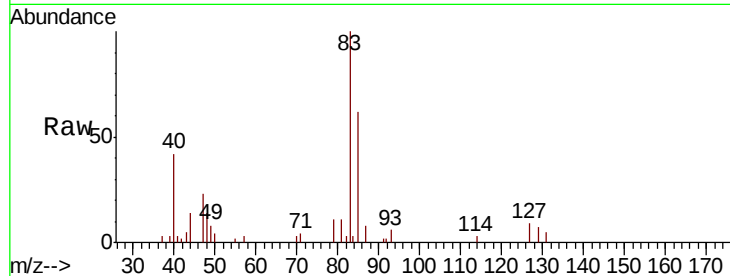
Tot Ion: 83 Resp: 17389

Ion Ratio Lower Upper

83 100

85 61.8 51.4 77.2

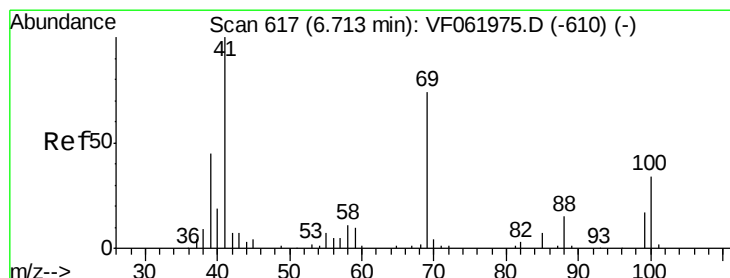
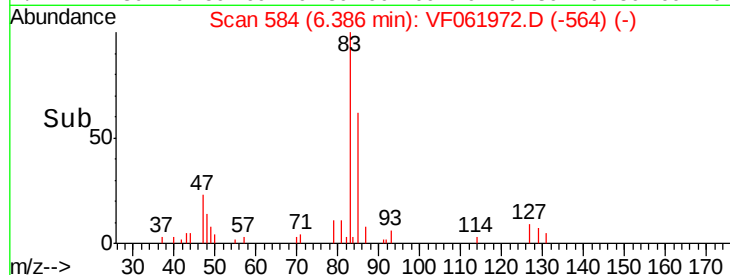
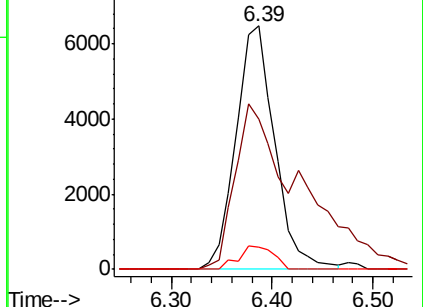
127 8.9 6.5 9.7



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: 5.678 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

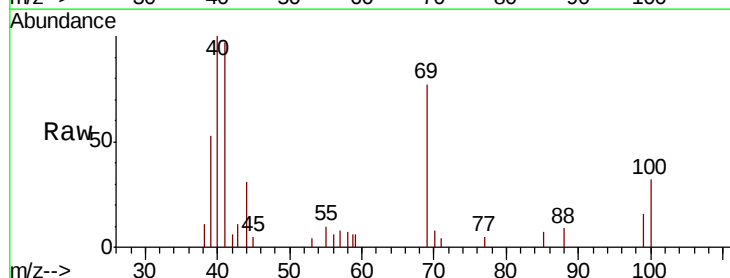
Tgt Ion: 41 Resp: 7637

Ion Ratio Lower Upper

41 100

69 78.7 59.0 88.6

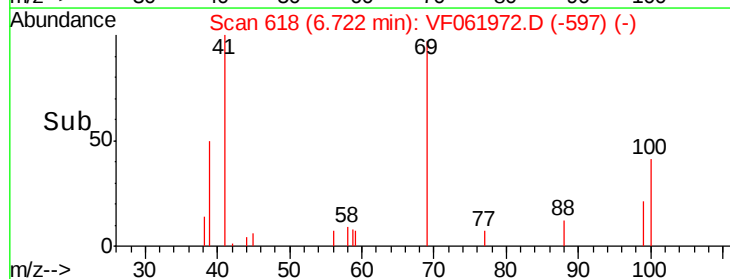
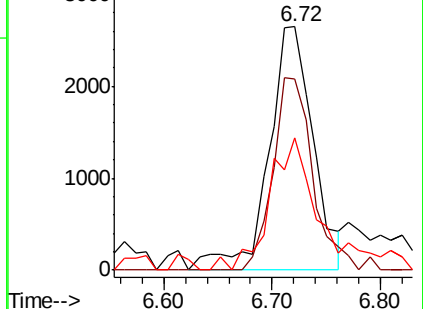
39 54.1 35.6 53.4#

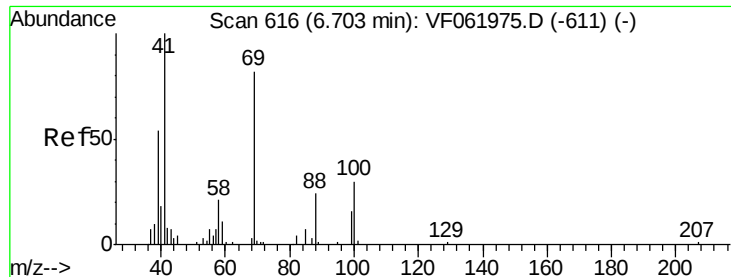


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 90.014 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :
MSVOA_F
ClientSampled :

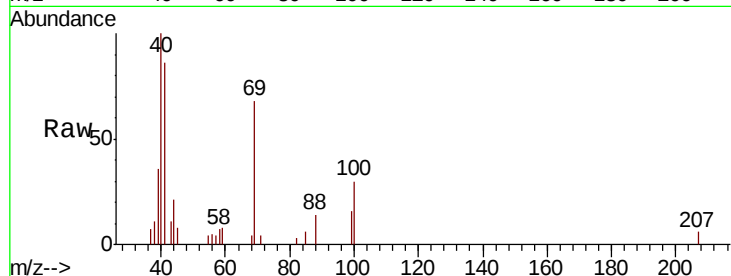
Tot Ion: 88 Resp: 1077

Ion Ratio Lower Upper

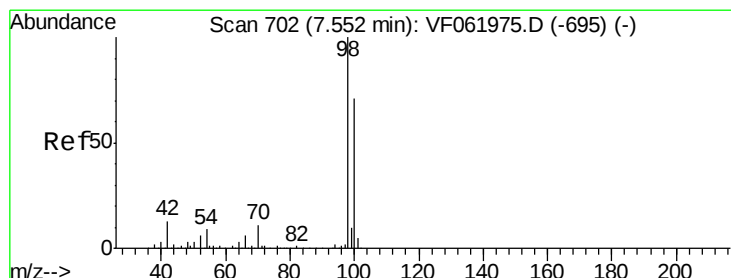
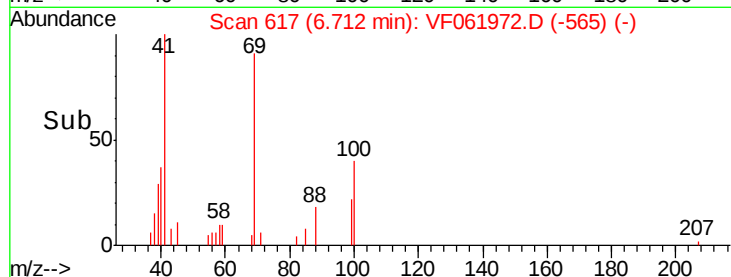
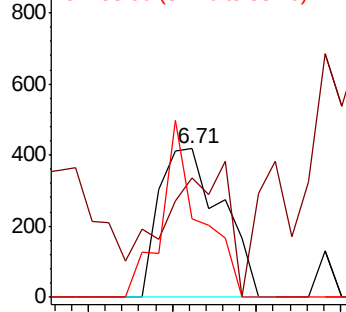
88 100

43 80.6 31.2 46.8#

58 52.9 69.9 104.9#



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



#50

Toluene-d8

Concen: 5.228 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061972.D

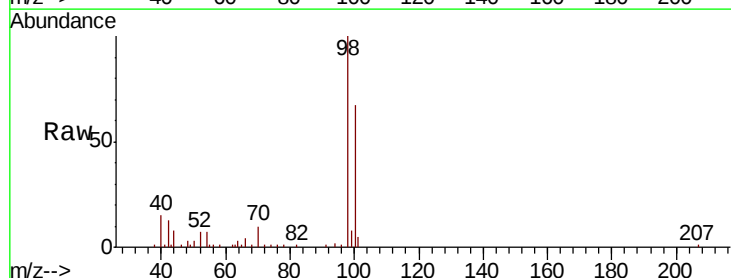
Acq: 16 Mar 2019 10:14

Tgt Ion: 98 Resp: 44526

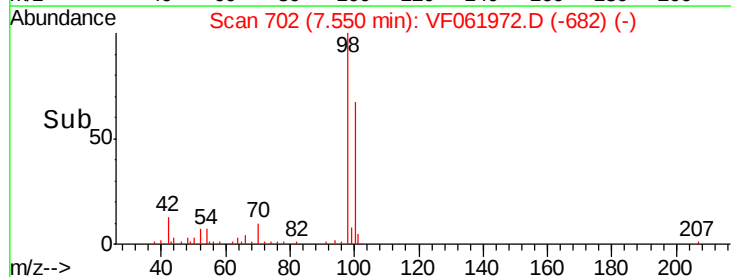
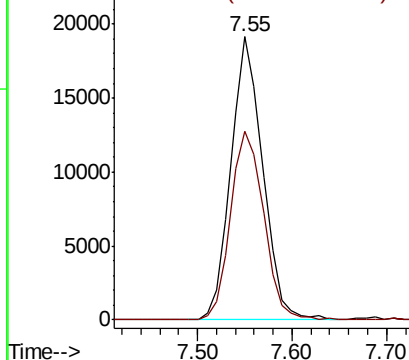
Ion Ratio Lower Upper

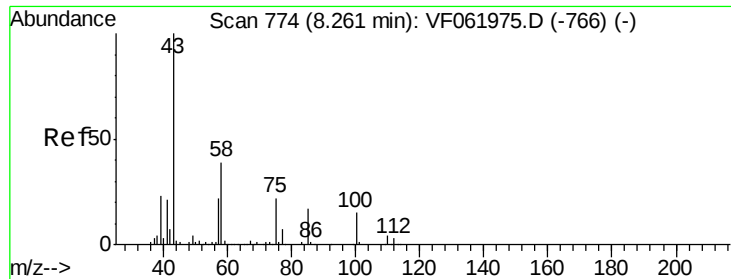
98 100

100 66.7 56.8 85.2



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





#51

4-Methyl-2-Pentanone

Concen: 26.763 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

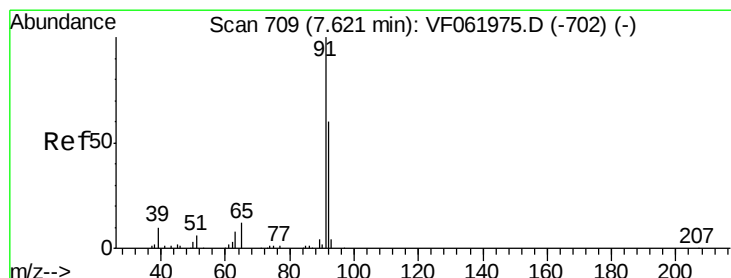
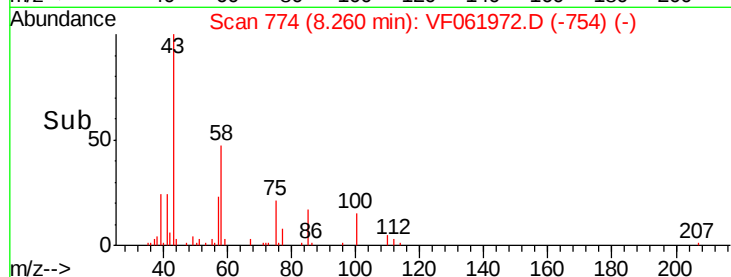
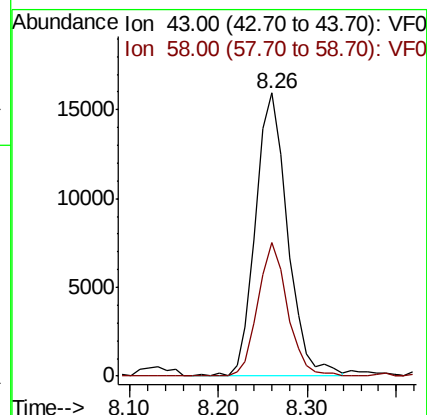
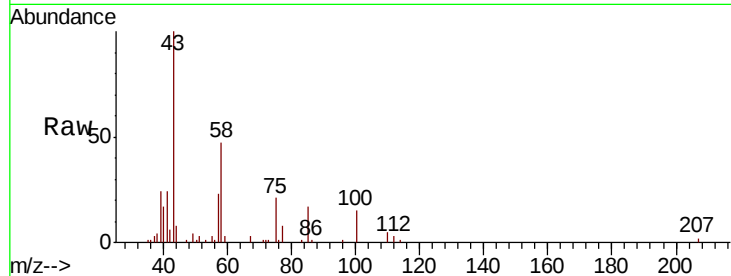
ClientSampleId :

Tot Ion: 43 Resp: 39554

Ion Ratio Lower Upper

43 100

58 47.1 31.1 46.7#



#52

Toluene

Concen: 5.589 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061972.D

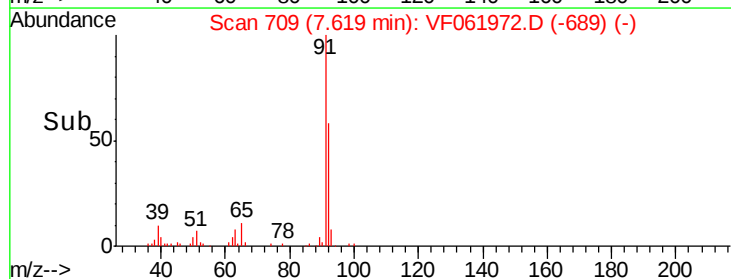
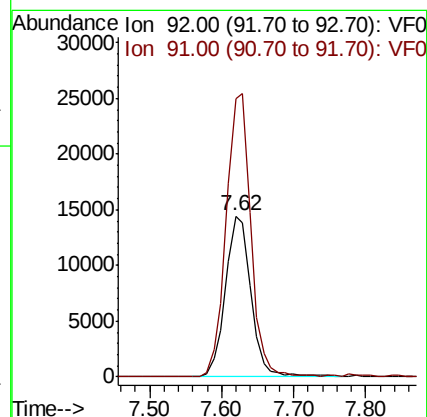
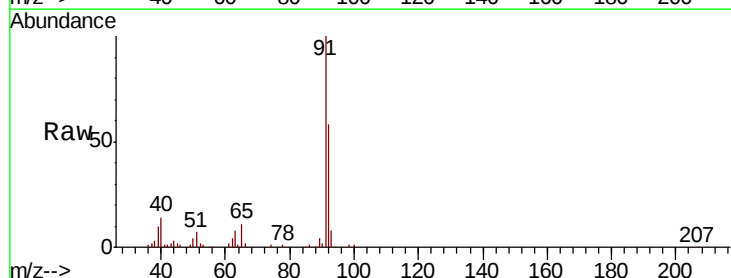
Acq: 16 Mar 2019 10:14

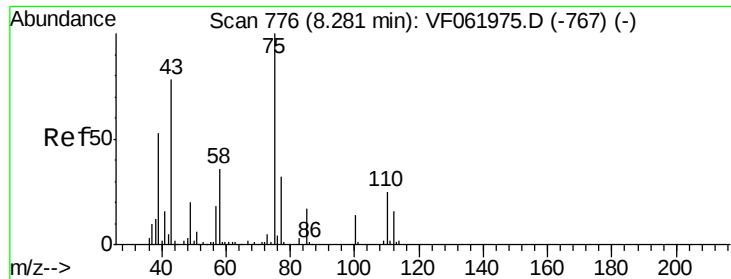
Tgt Ion: 92 Resp: 35452

Ion Ratio Lower Upper

92 100

91 173.1 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 5.289 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

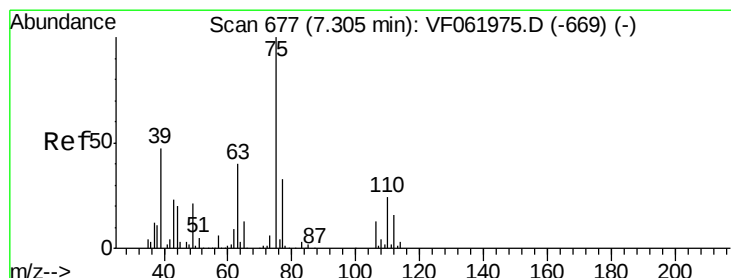
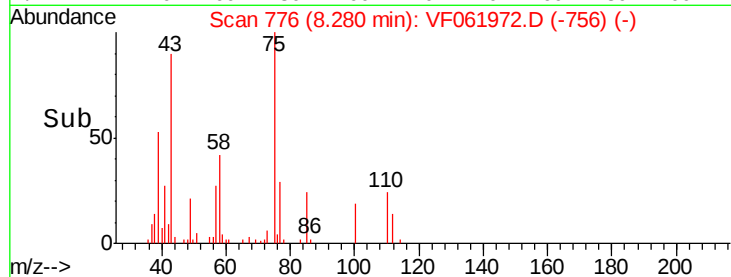
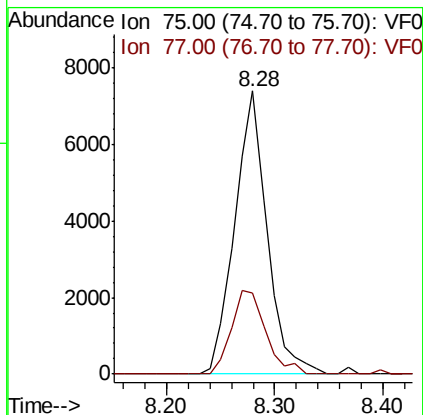
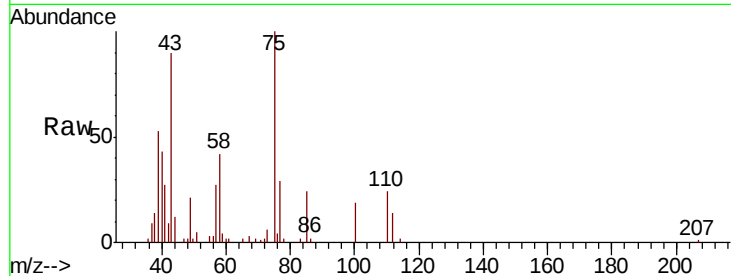
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 15385

Ion Ratio Lower Upper

75 100

77 28.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.811 ug/l

RT: 7.30 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

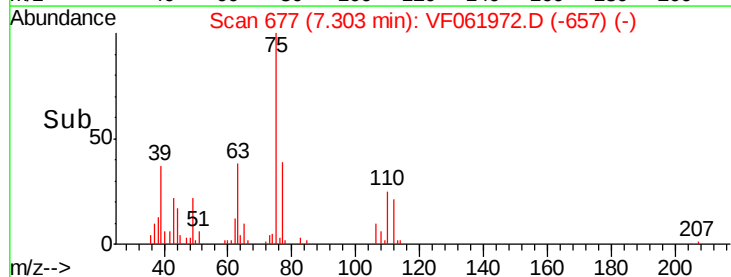
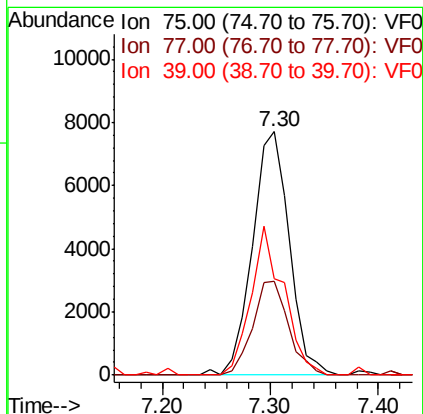
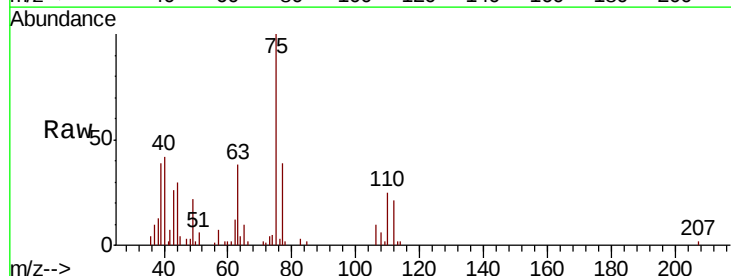
Tgt Ion: 75 Resp: 18259

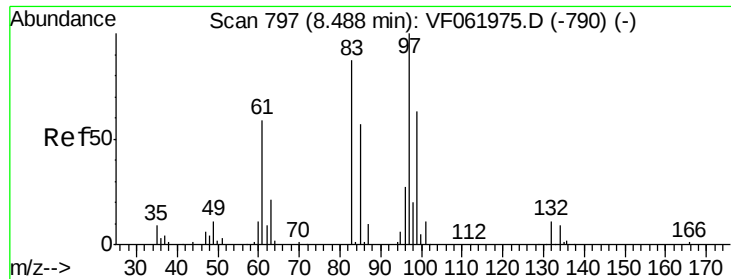
Ion Ratio Lower Upper

75 100

77 38.8 26.4 39.6

39 39.5 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 5.164 ug/l

RT: 8.50 min Scan# 798

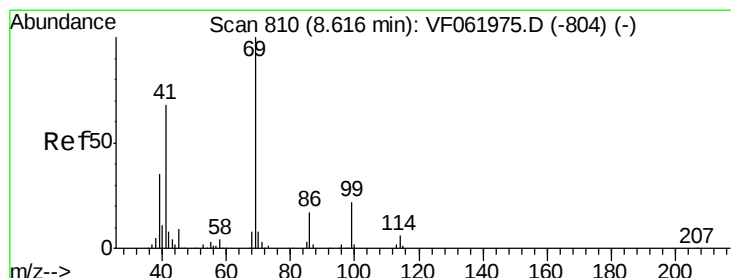
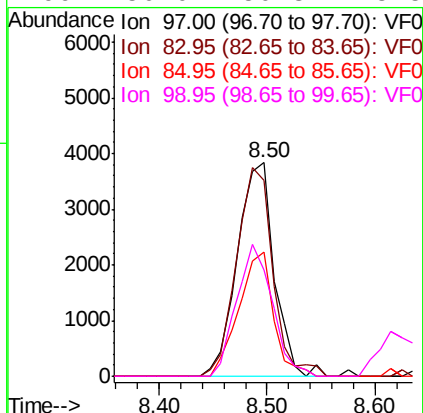
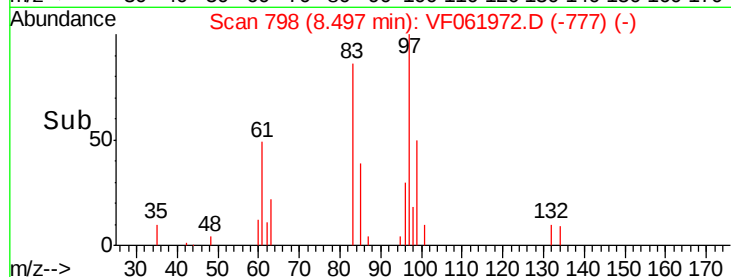
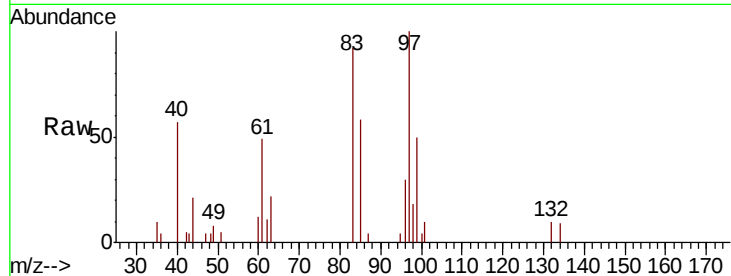
Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	9141
Ion	Ratio	Lower	Upper
97	100		
83	92.0	69.7	104.5
85	58.0	45.8	68.6
99	50.0	50.3	75.5#



#56

Ethyl methacrylate

Concen: 5.273 ug/l

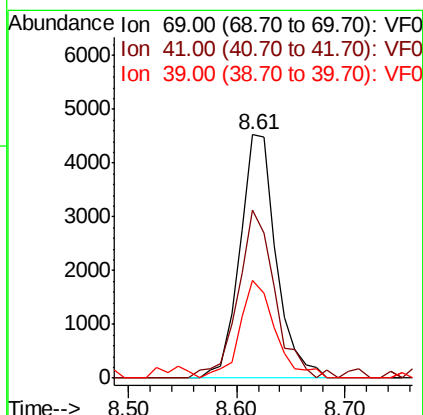
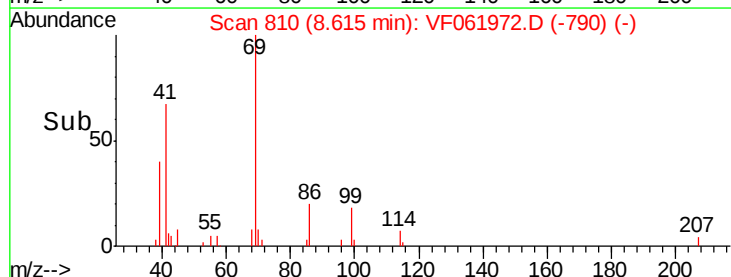
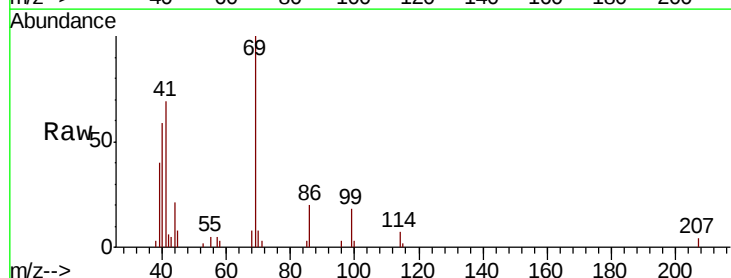
RT: 8.61 min Scan# 810

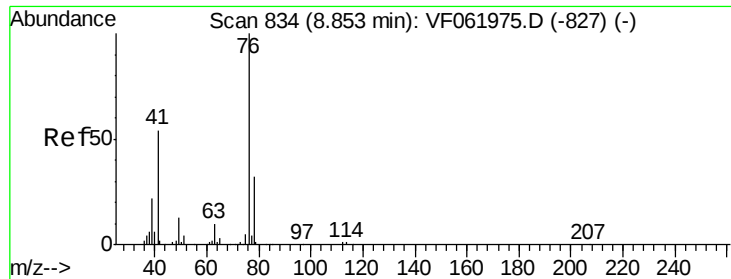
Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Tgt Ion:	69	Resp:	10611
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.7	82.1
39	40.2	27.9	41.9

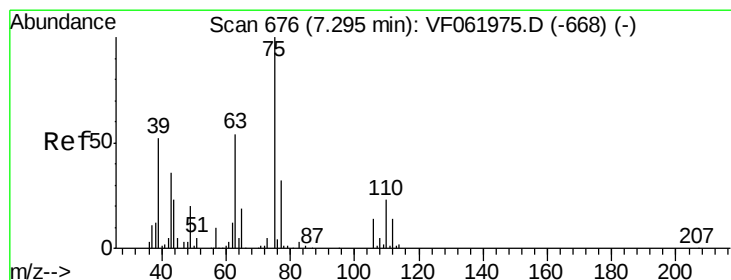
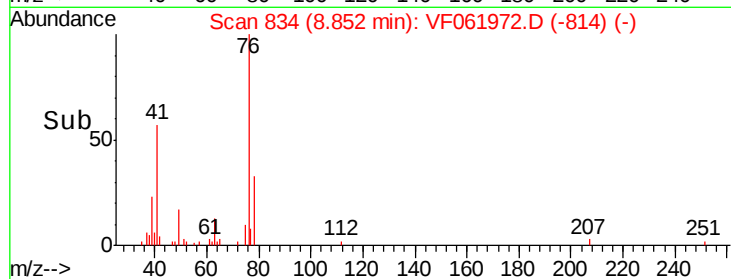
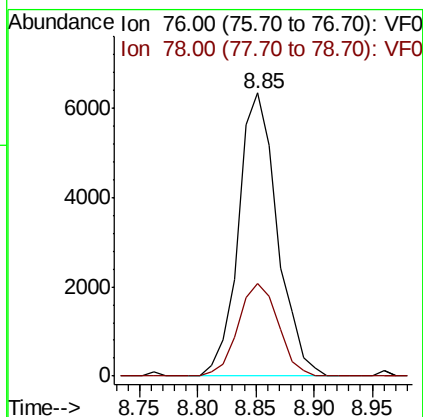
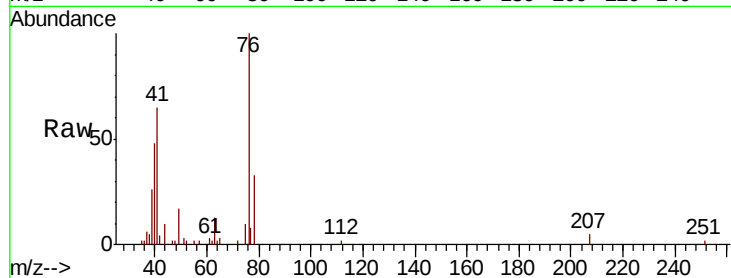




#57
 1,3-Dichloropropane
 Concen: 4.970 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

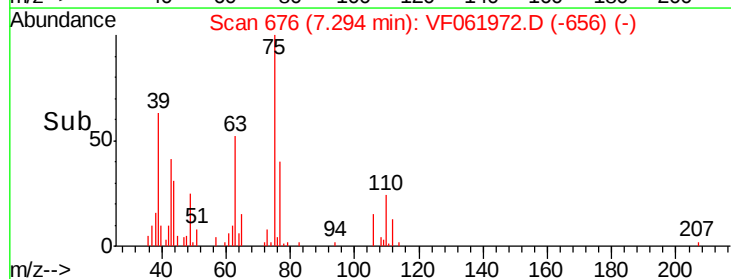
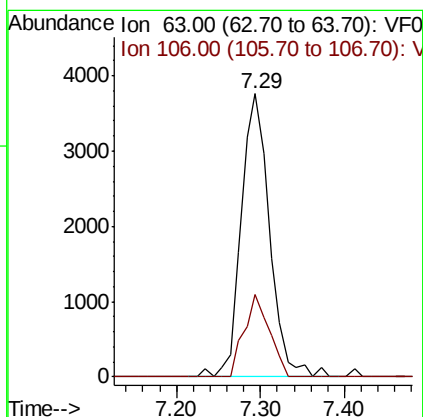
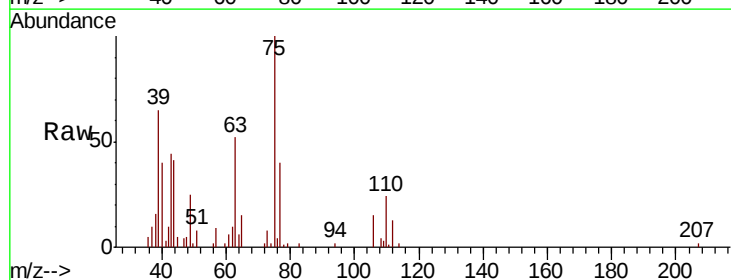
Instrument :
 MSVOA_F
 ClientSampleId :

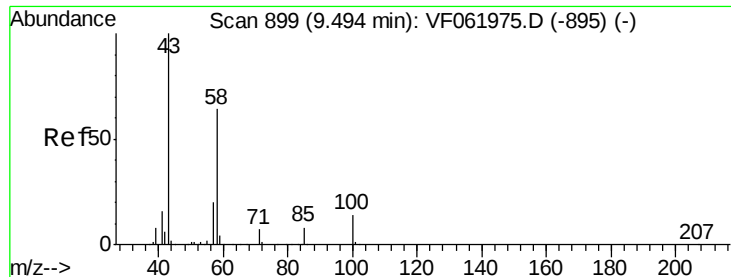
Tot Ion: 76 Resp: 14676
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.365 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion: 63 Resp: 8881
 Ion Ratio Lower Upper
 63 100
 106 29.2 20.9 31.3

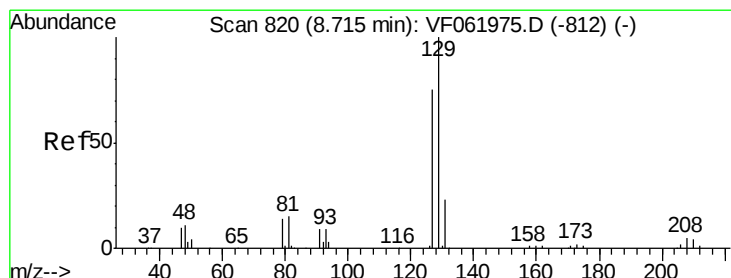
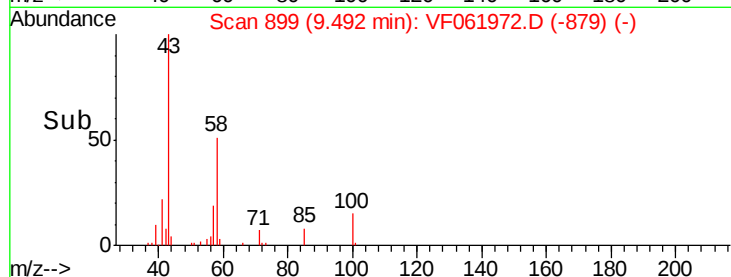
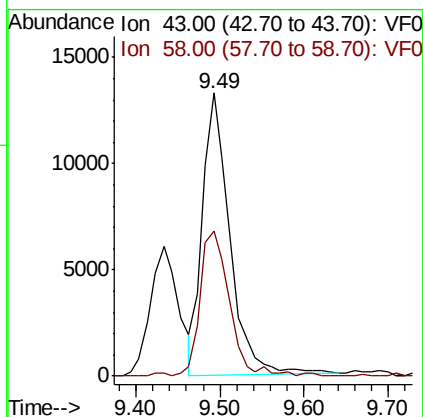
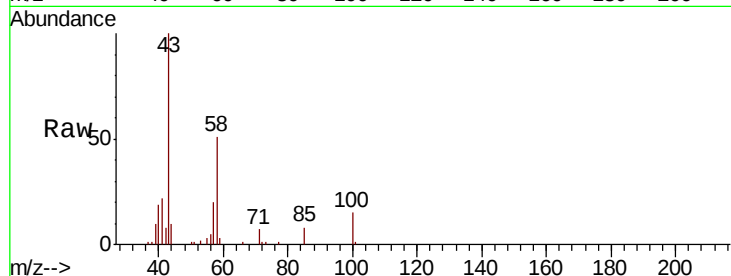




#59
2-Hexanone
Concen: 27.984 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

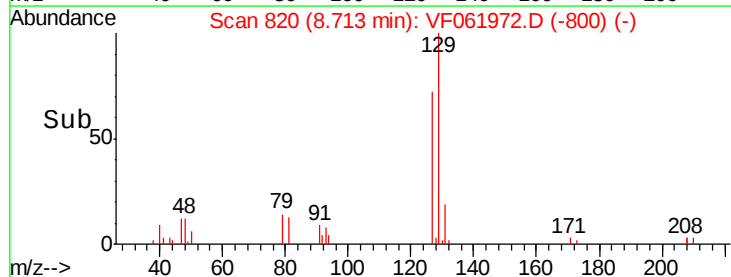
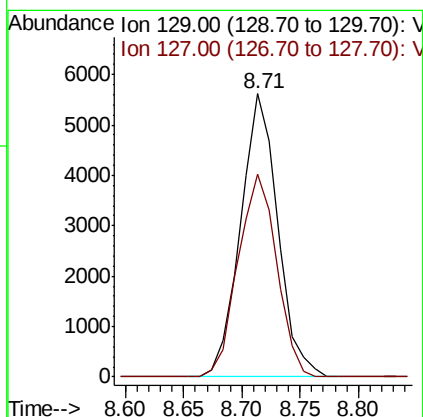
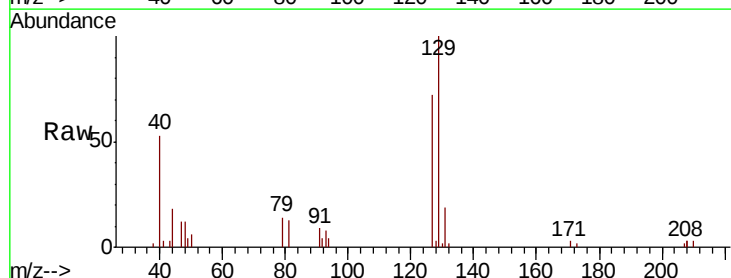
Instrument :
MSVOA_F
ClientSampleId :

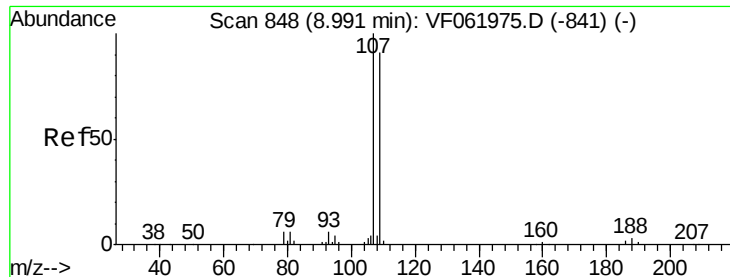
Tot Ion: 43 Resp: 29931
Ion Ratio Lower Upper
43 100
58 51.2 28.4 85.2



#60
Dibromochloromethane
Concen: 5.069 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 129 Resp: 12458
Ion Ratio Lower Upper
129 100
127 71.6 37.3 111.8





#61

1,2-Dibromoethane

Concen: 5.113 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

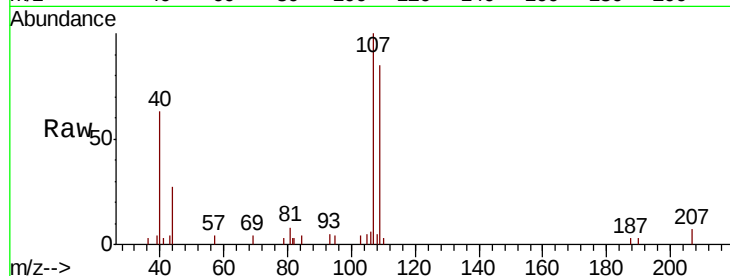
ClientSampleId :

Tot Ion:107 Resp: 9708

Ion Ratio Lower Upper

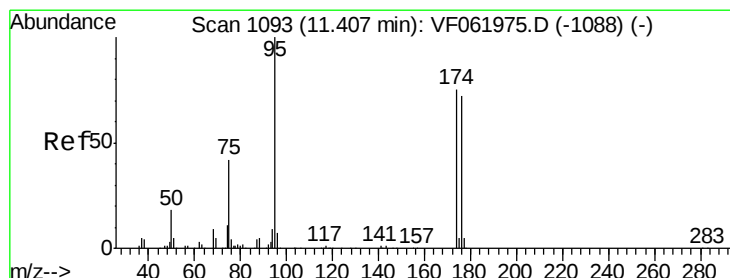
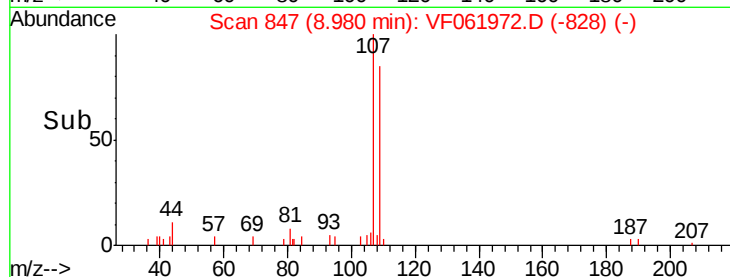
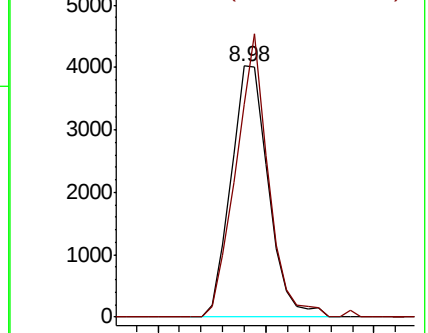
107 100

109 84.9 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.664 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

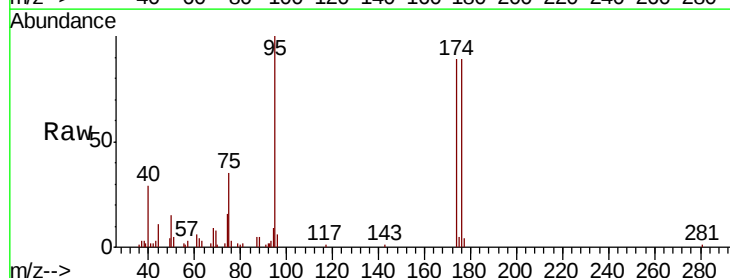
Tgt Ion: 95 Resp: 19164

Ion Ratio Lower Upper

95 100

174 88.6 0.0 149.4

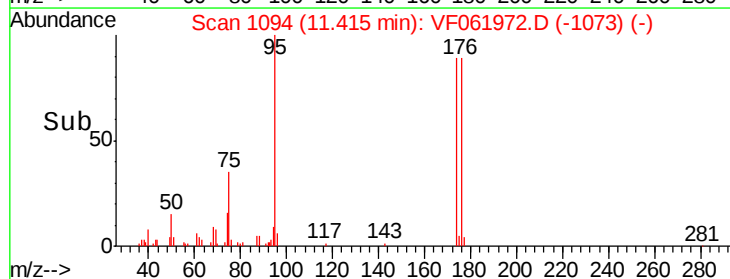
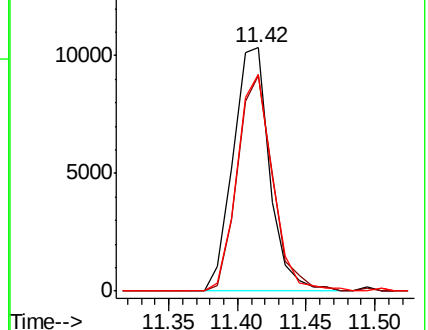
176 89.1 0.0 143.4

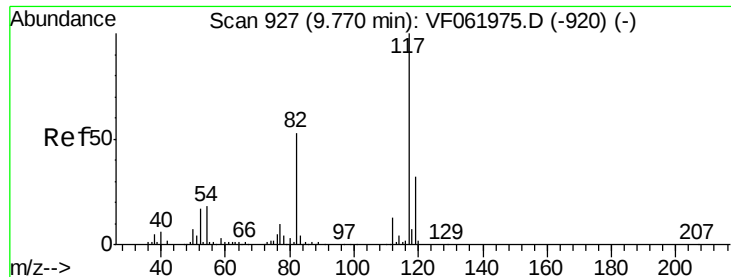


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

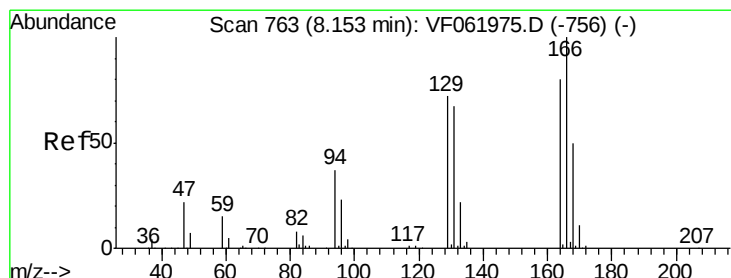
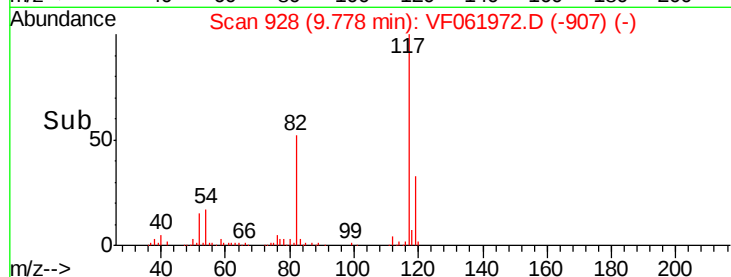
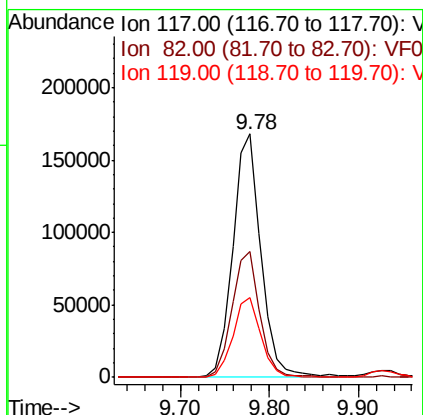
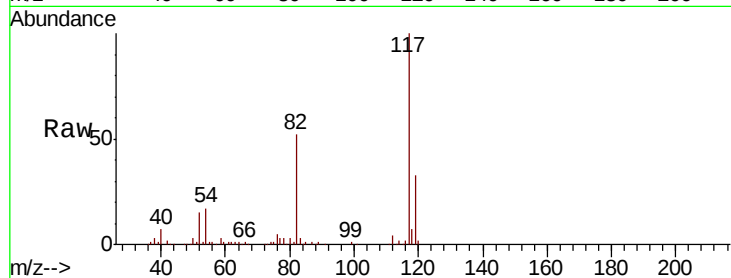




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

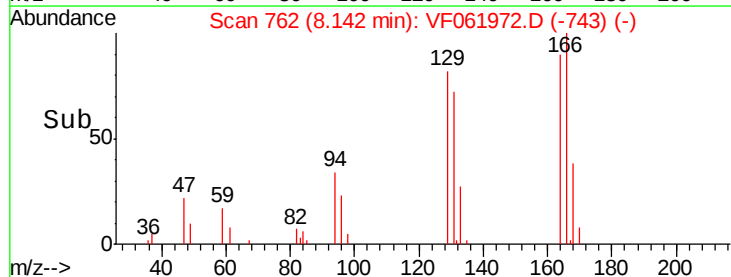
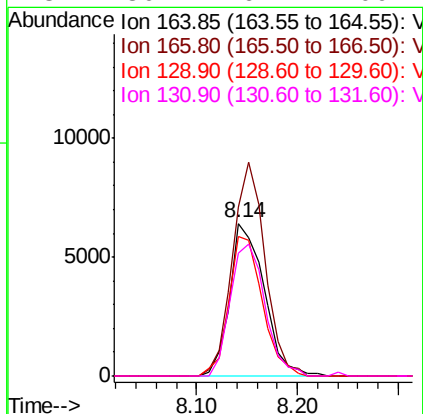
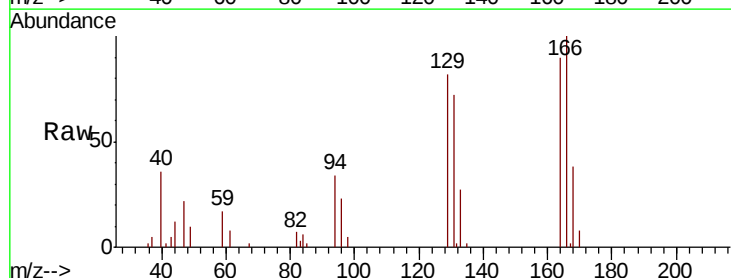
Instrument :
MSVOA_F
ClientSampled :

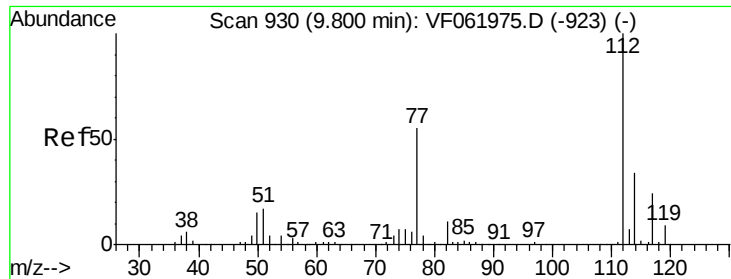
Tot Ion:117 Resp: 370153
Ion Ratio Lower Upper
117 100
82 51.6 42.5 63.7
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 5.658 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion:164 Resp: 15224
Ion Ratio Lower Upper
164 100
166 110.9 100.0 150.0
129 91.0 72.4 108.6
131 80.4 67.1 100.7

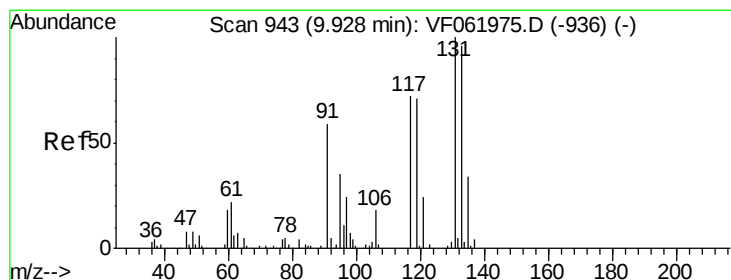
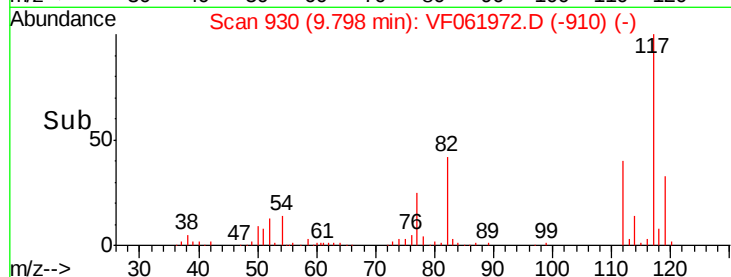
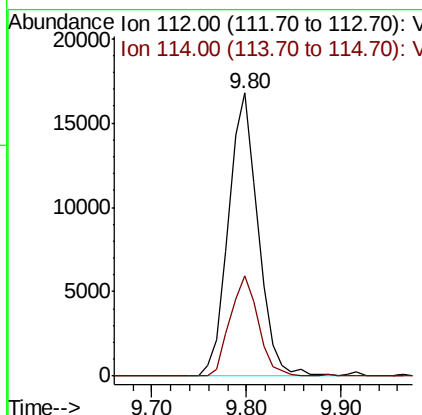
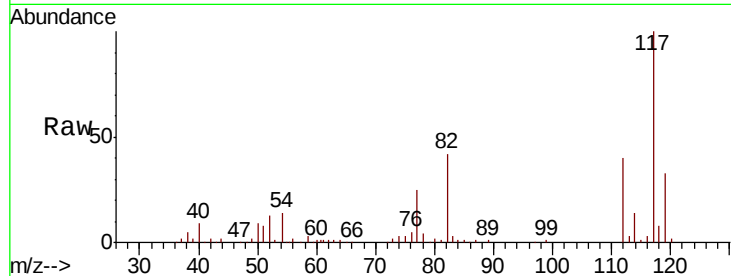




#65
Chlorobenzene
Concen: 5.286 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

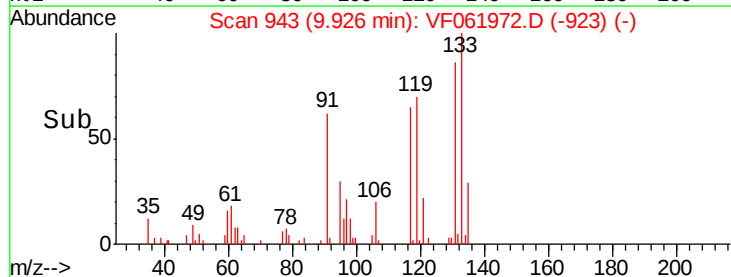
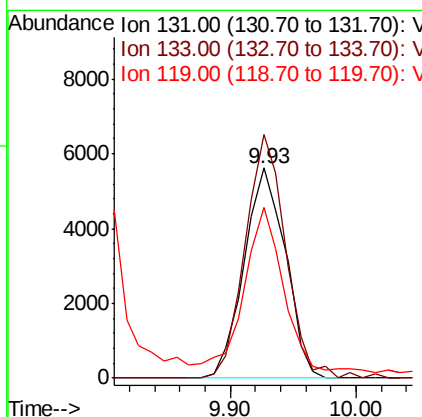
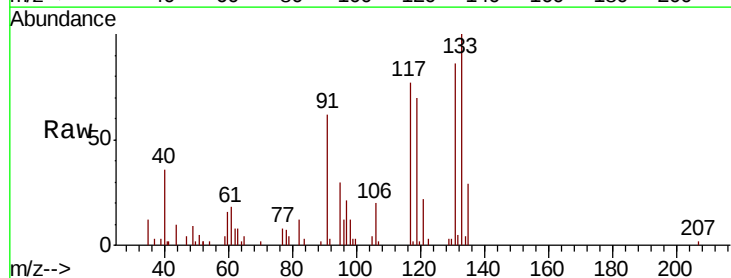
Instrument :
MSVOA_F
ClientSampleId :

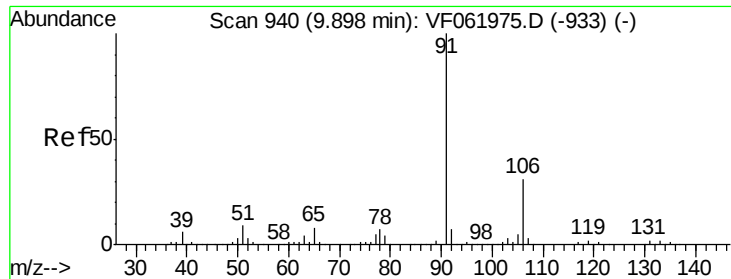
Tot Ion:112 Resp: 36428
Ion Ratio Lower Upper
112 100
114 35.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 4.787 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion:131 Resp: 12787
Ion Ratio Lower Upper
131 100
133 116.1 48.0 144.2
119 81.3 35.9 107.7

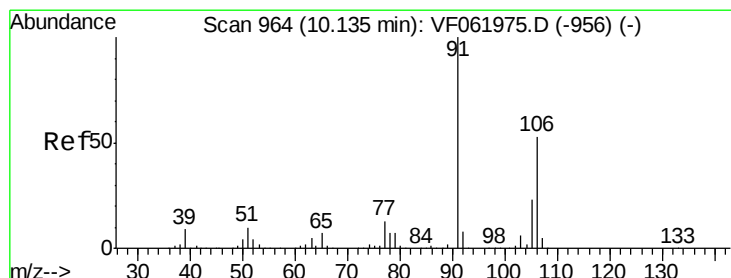
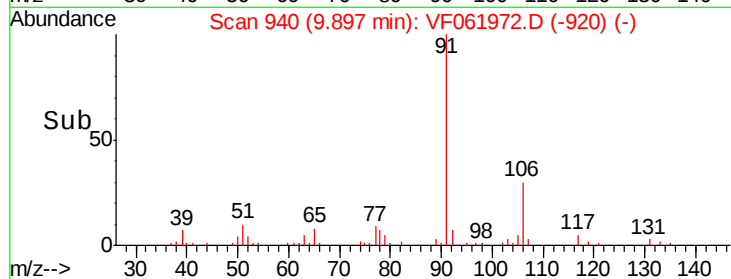
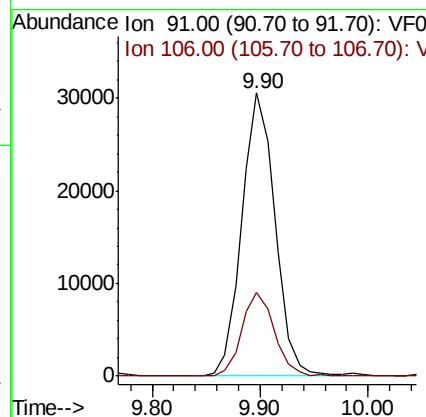
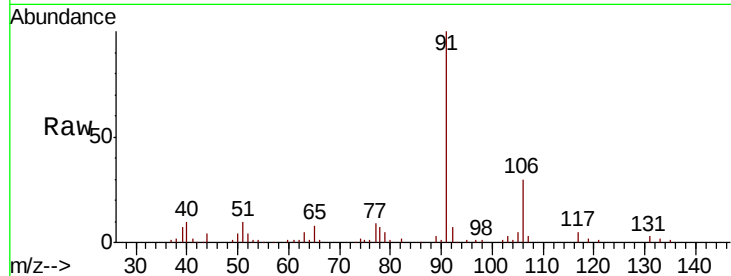




#67
Ethyl Benzene
Concen: 5.515 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

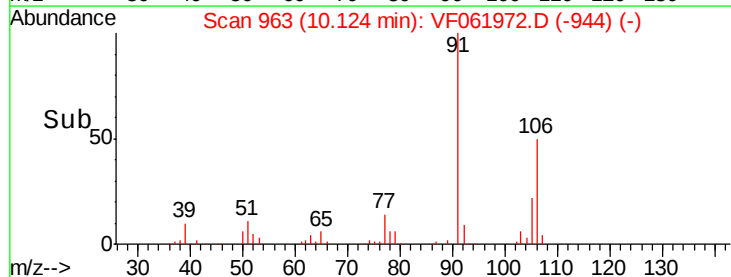
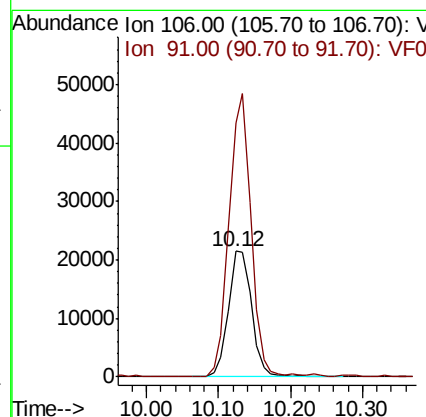
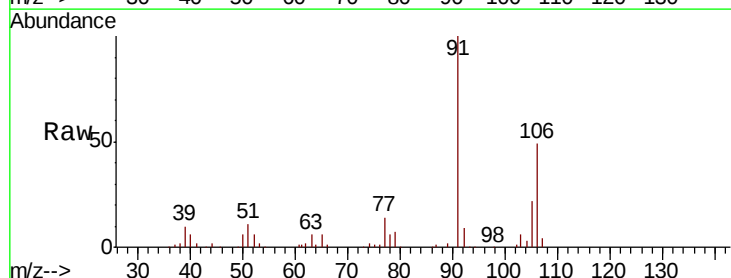
Instrument :
MSVOA_F
ClientSampleId :

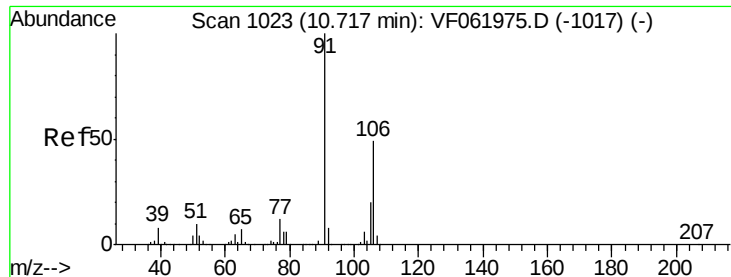
Tot Ion: 91 Resp: 65071
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6



#68
m/p-Xylenes
Concen: 10.959 ug/l
RT: 10.12 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 106 Resp: 48636
Ion Ratio Lower Upper
106 100
91 202.1 151.9 227.9

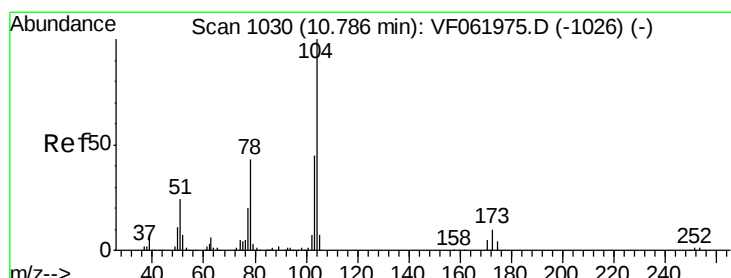
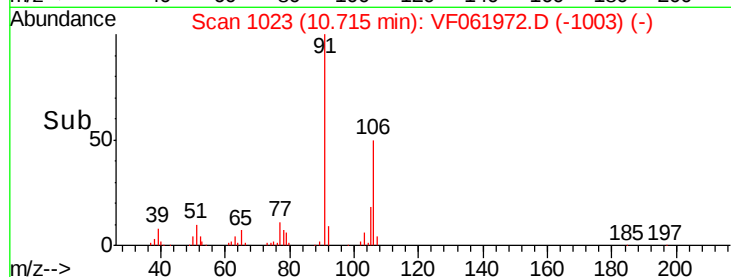
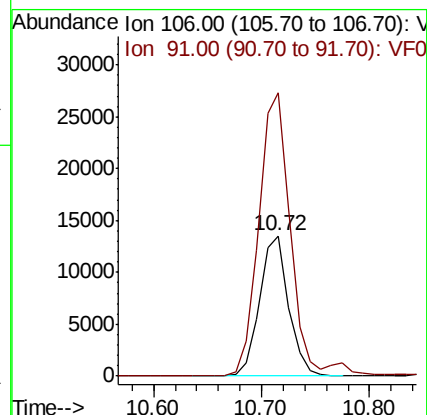
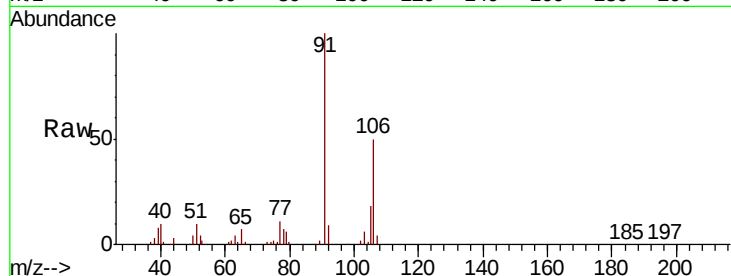




#69
o-Xylene
Concen: 5.301 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

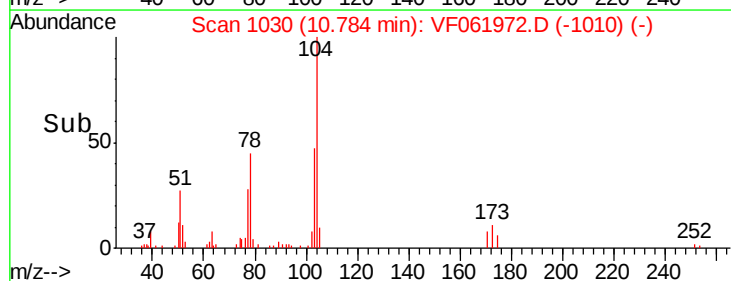
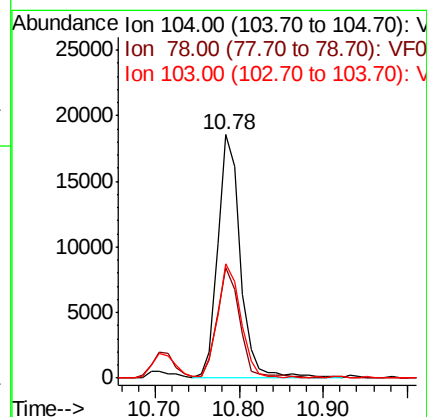
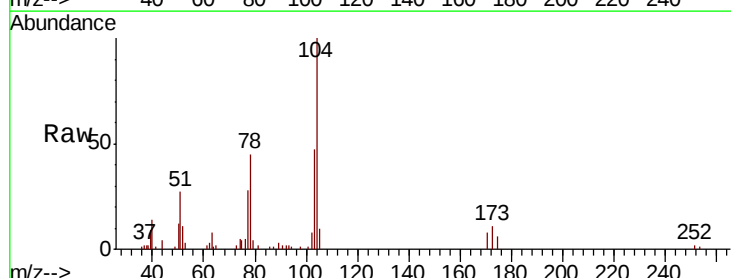
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 25175
Ion Ratio Lower Upper
106 100
91 201.8 102.3 306.8



#70
Styrene
Concen: 5.288 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion:104 Resp: 34789
Ion Ratio Lower Upper
104 100
78 45.2 34.7 52.1
103 47.2 36.6 54.8





#71

Bromoform

Concen: 5.107 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampled :

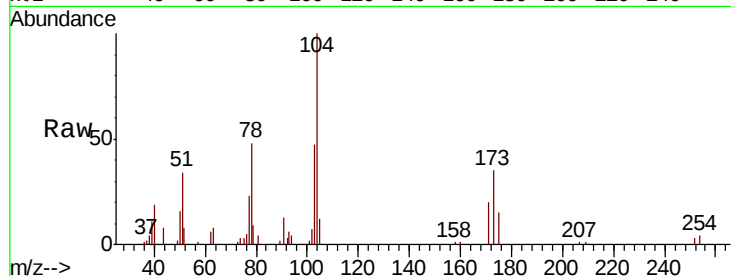
Tot Ion:173 Resp: 6900

Ion Ratio Lower Upper

173 100

175 42.6 23.7 71.1

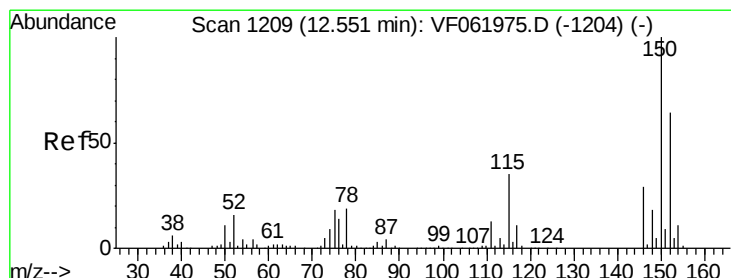
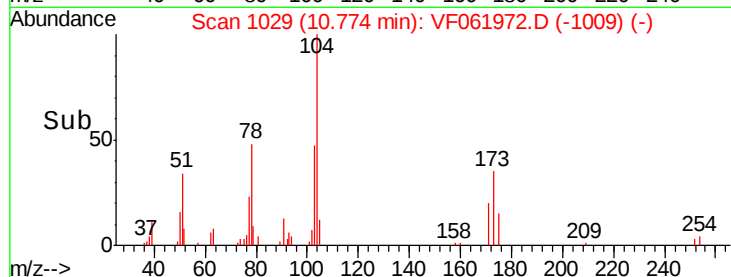
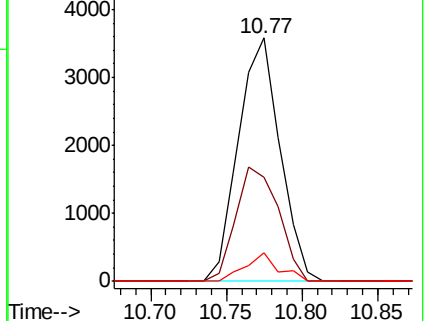
254 11.5 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

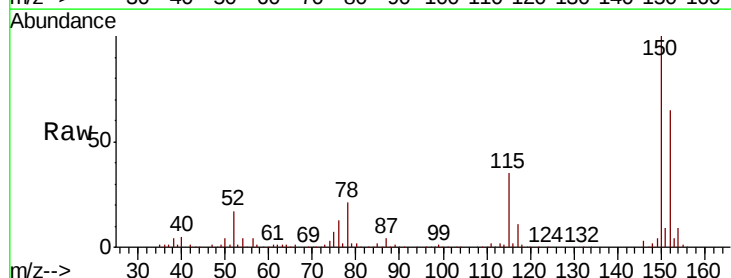
Tgt Ion:152 Resp: 212156

Ion Ratio Lower Upper

152 100

115 53.0 27.3 81.9

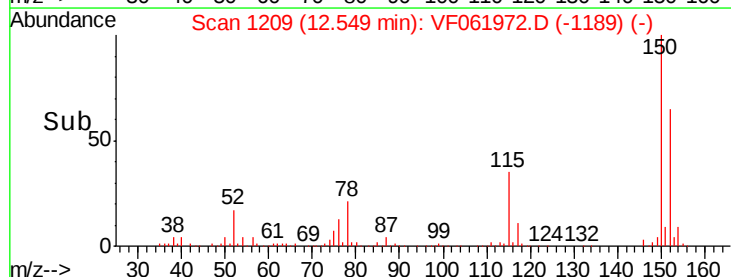
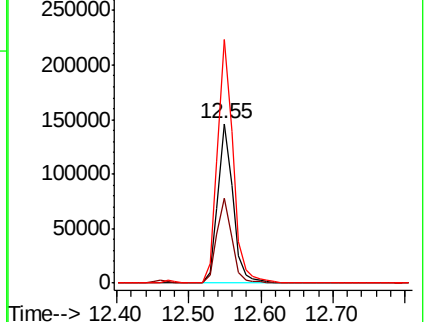
150 152.8 0.0 316.2

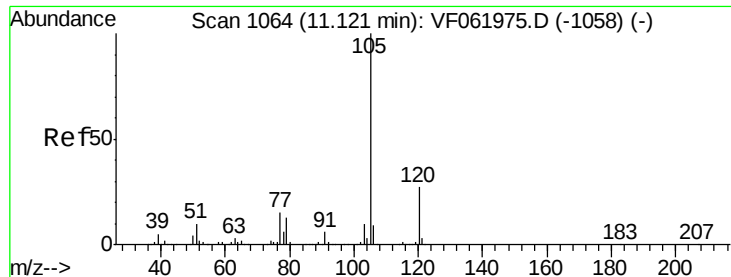


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 5.093 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

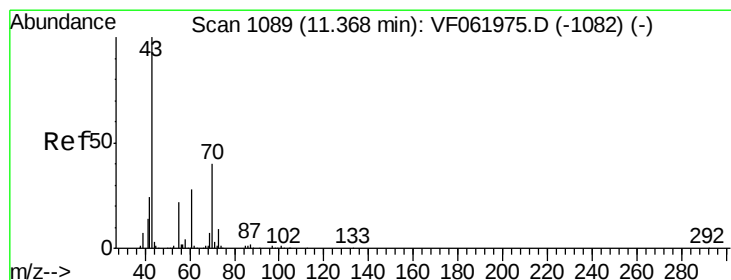
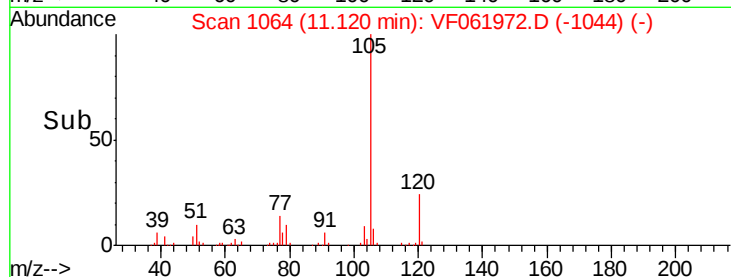
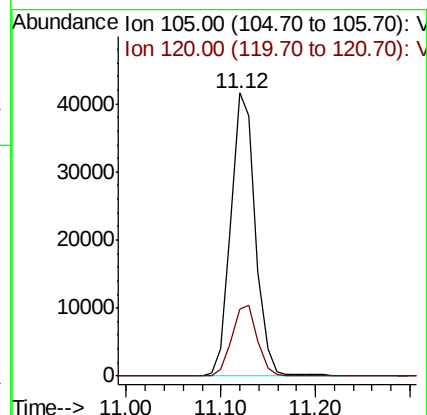
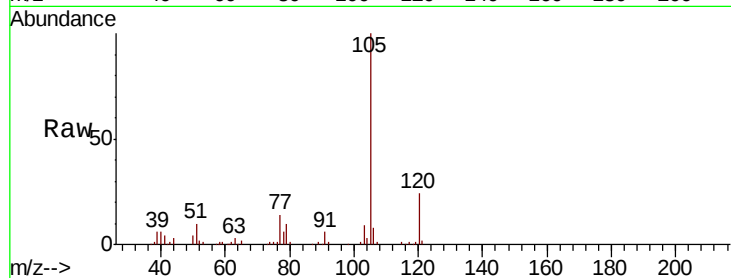
ClientSampleId :

Tot Ion:105 Resp: 74651

Ion Ratio Lower Upper

105 100

120 23.6 13.8 41.3



#74

N-ethyl acetate

Concen: 4.529 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Tgt Ion: 43 Resp: 15212

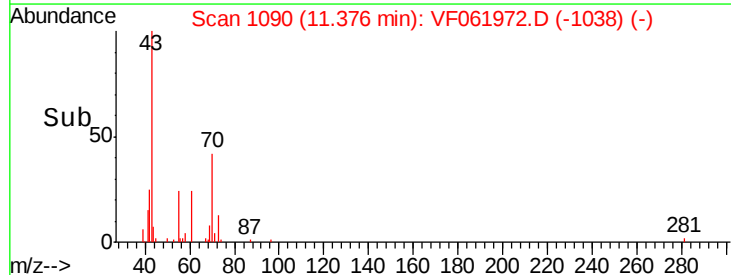
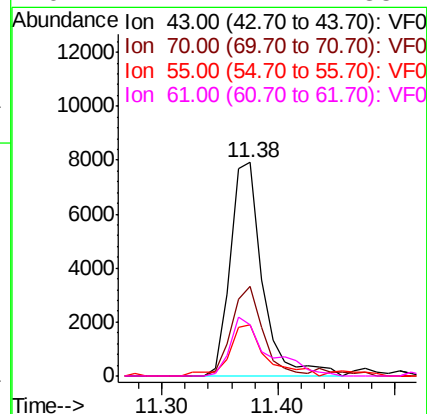
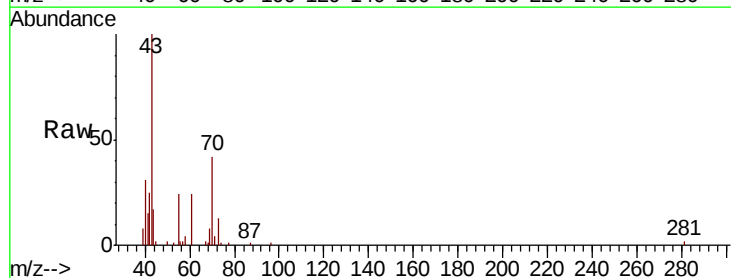
Ion Ratio Lower Upper

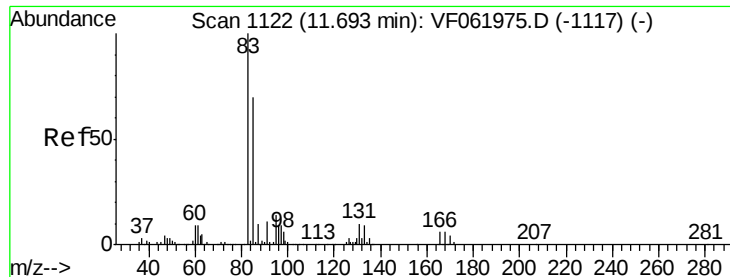
43 100

70 42.2 31.9 47.9

55 24.0 17.9 26.9

61 24.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.200 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

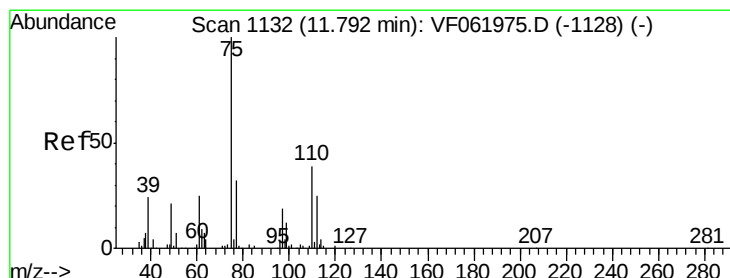
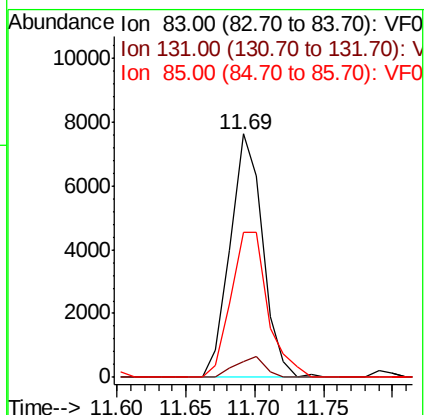
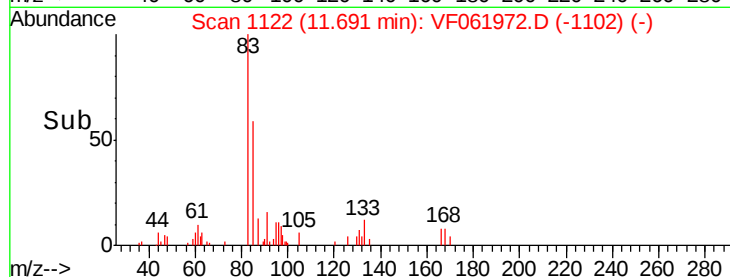
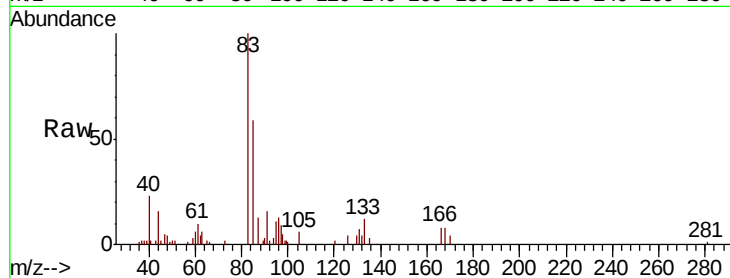
Tot Ion: 83 Resp: 12581

Ion Ratio Lower Upper

83 100

131 6.7 4.9 14.7

85 59.4 35.3 105.9



#76

1,2,3-Trichloropropane

Concen: 4.912 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061972.D

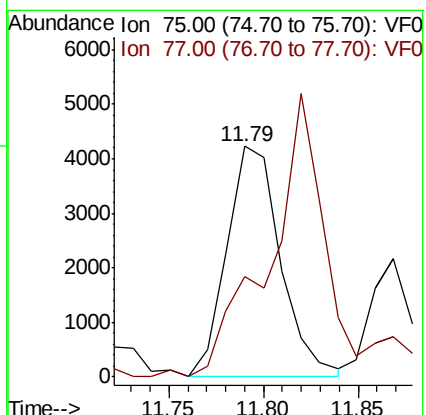
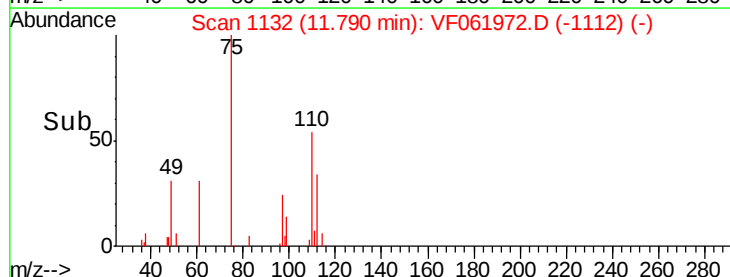
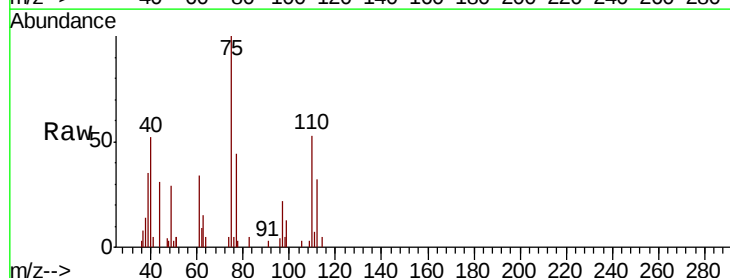
Acq: 16 Mar 2019 10:14

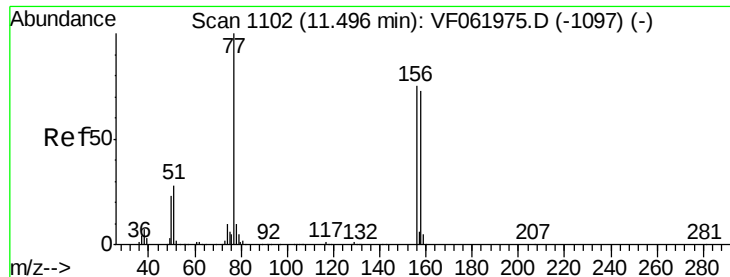
Tgt Ion: 75 Resp: 8309

Ion Ratio Lower Upper

75 100

77 43.6 16.4 49.2





#77

Bromobenzene

Concen: 5.193 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

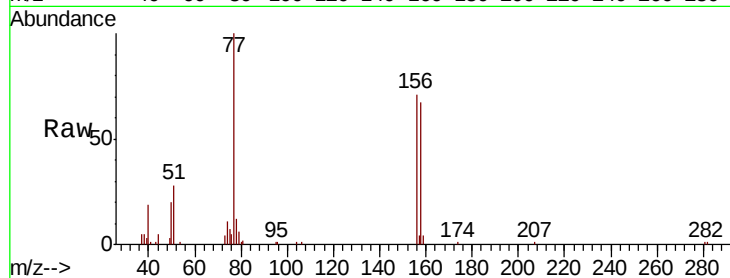
Tot Ion:156 Resp: 17626

Ion Ratio Lower Upper

156 100

77 141.6 67.0 201.0

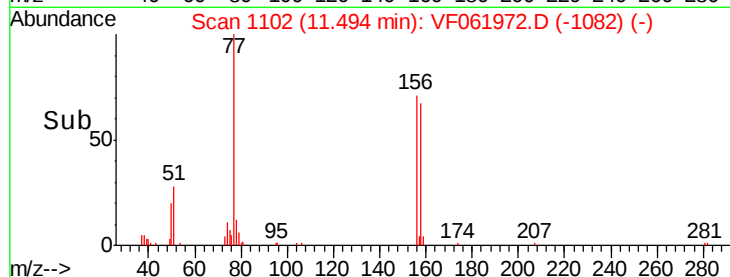
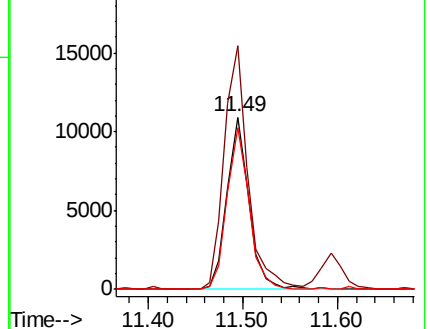
158 94.2 48.9 146.7



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: 5.495 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061972.D

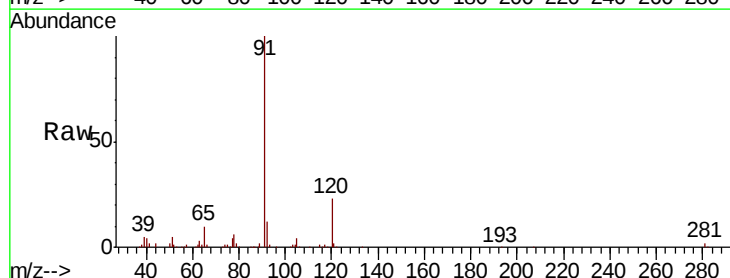
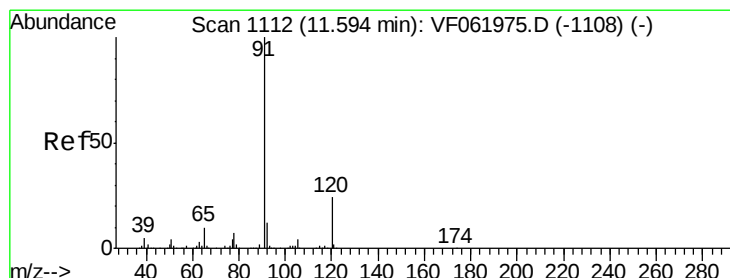
Acq: 16 Mar 2019 10:14

Tgt Ion: 91 Resp: 92614

Ion Ratio Lower Upper

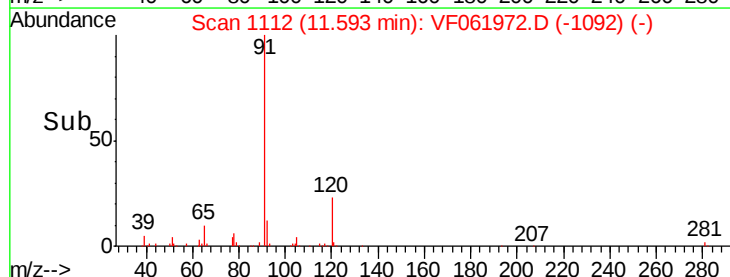
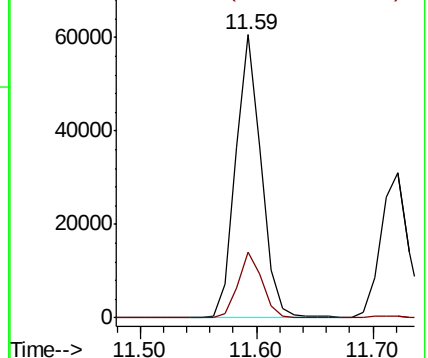
91 100

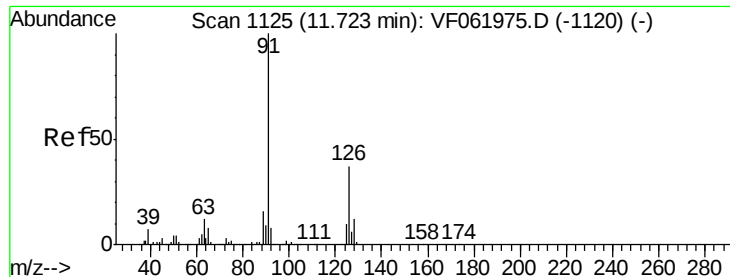
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

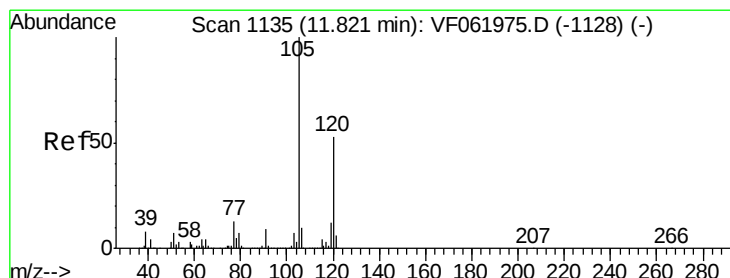
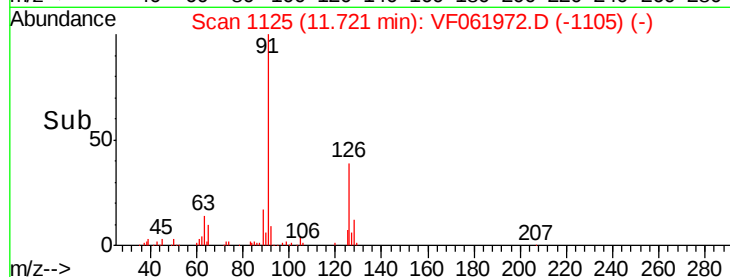
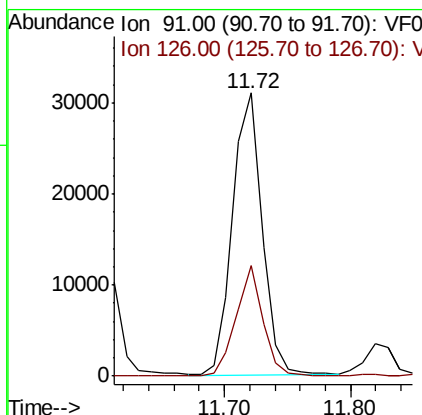
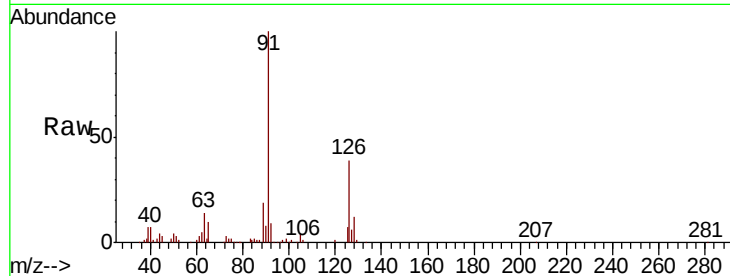




#79
 2-Chlorotoluene
 Concen: 5.284 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

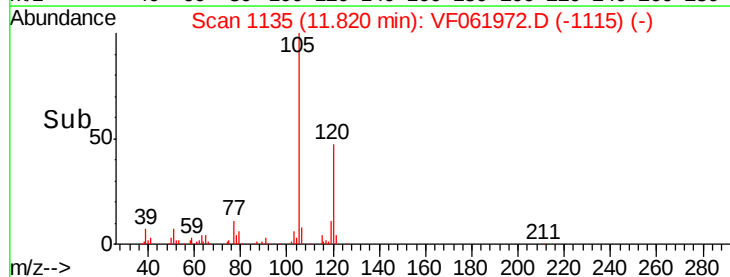
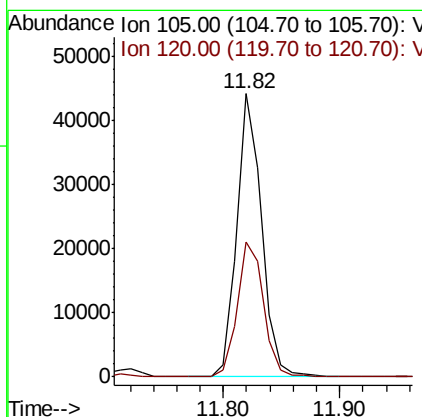
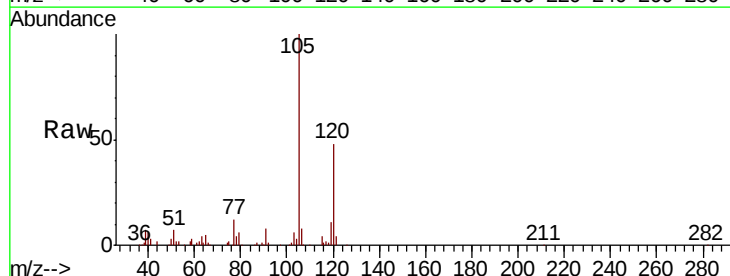
Instrument :
 MSVOA_F
 ClientSampleId :

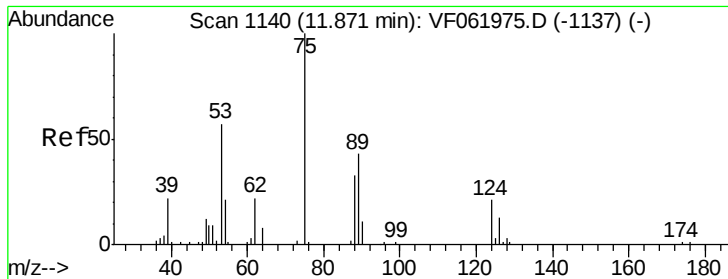
Tot Ion: 91 Resp: 50262
 Ion Ratio Lower Upper
 91 100
 126 39.2 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 5.486 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion:105 Resp: 64953
 Ion Ratio Lower Upper
 105 100
 120 47.6 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 5.974 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

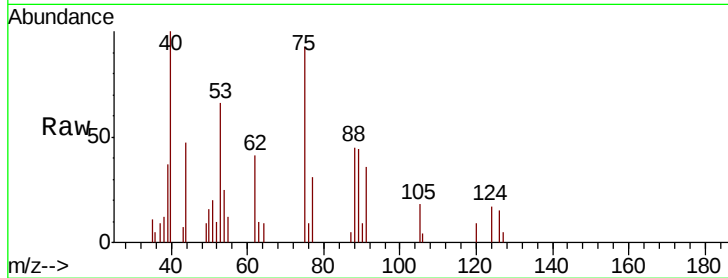
Tot Ion: 75 Resp: 4471

Ion Ratio Lower Upper

75 100

53 71.1 49.0 73.6

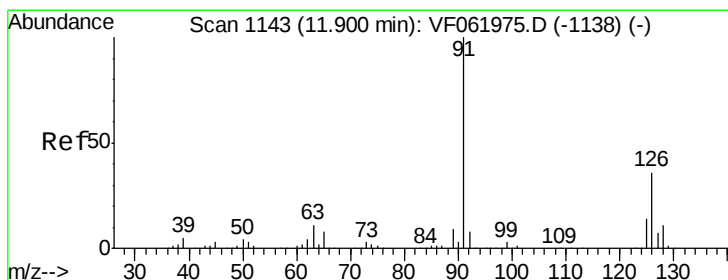
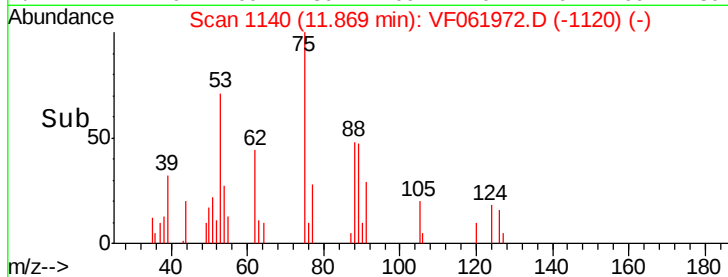
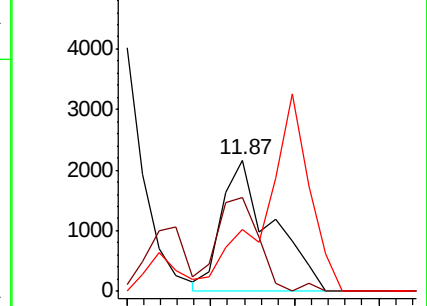
89 47.1 37.1 55.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 5.311 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061972.D

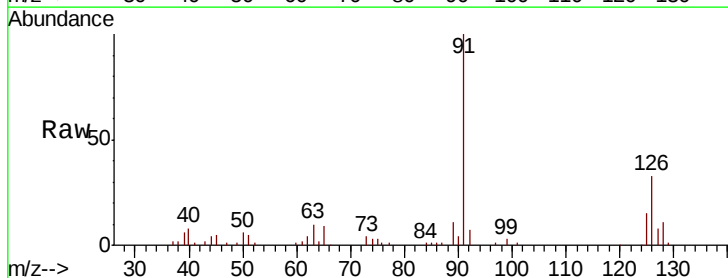
Acq: 16 Mar 2019 10:14

Tgt Ion: 91 Resp: 51090

Ion Ratio Lower Upper

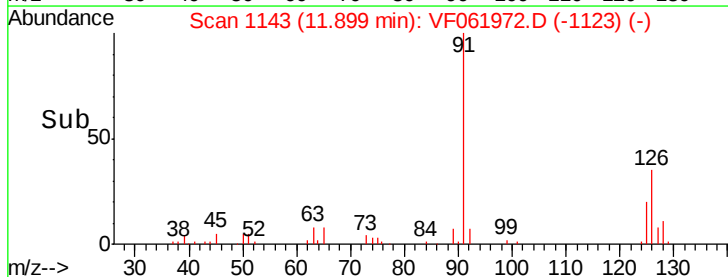
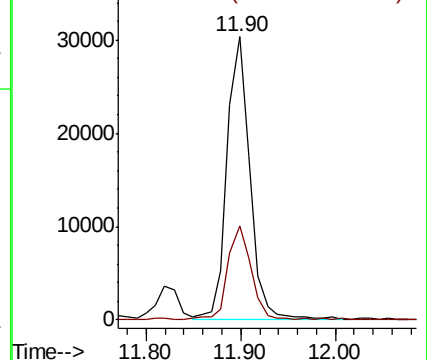
91 100

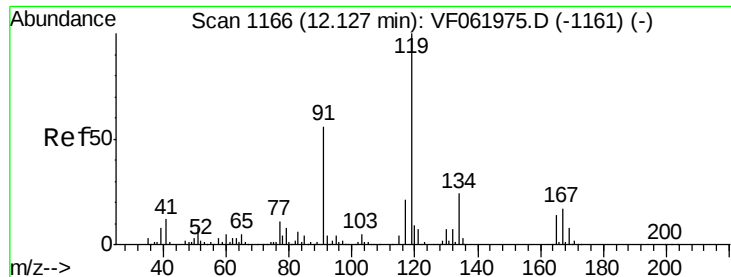
126 33.3 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 5.070 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VF061972.D

Acq: 16 Mar 2019 10:14

Instrument :

MSVOA_F

ClientSampleId :

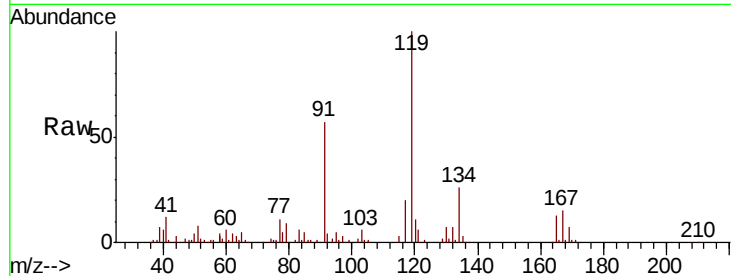
Tot Ion:119 Resp: 62780

Ion Ratio Lower Upper

119 100

91 56.5 27.9 83.6

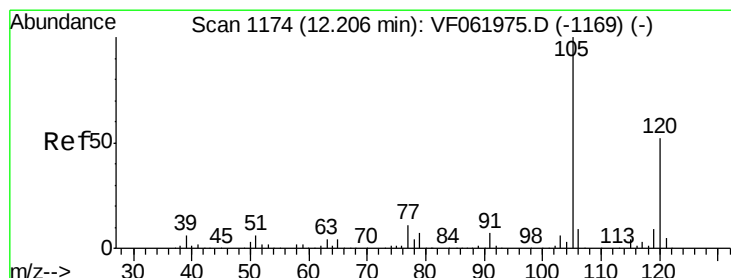
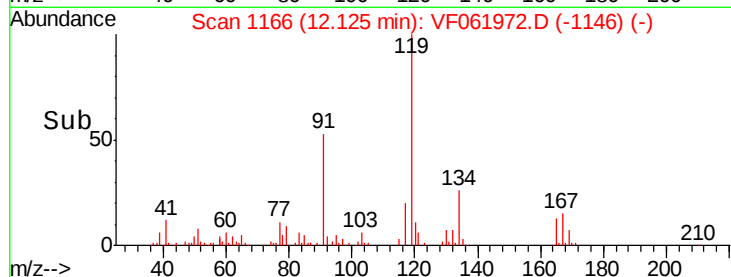
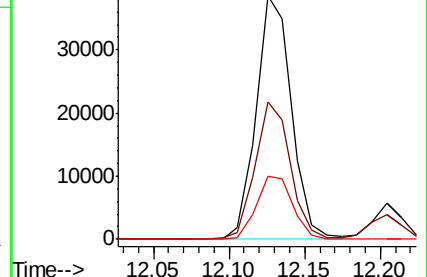
134 26.1 12.3 36.8



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: 5.370 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VF061972.D

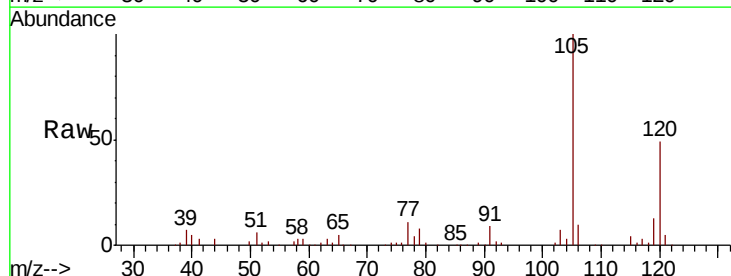
Acq: 16 Mar 2019 10:14

Tgt Ion:105 Resp: 63688

Ion Ratio Lower Upper

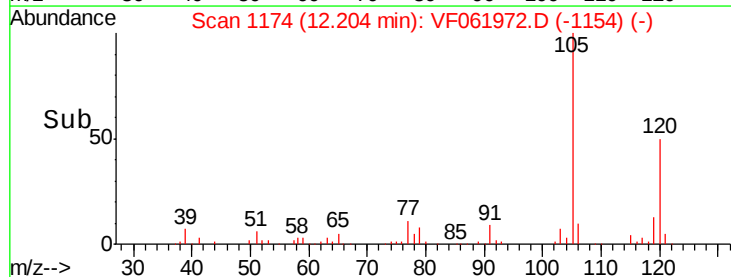
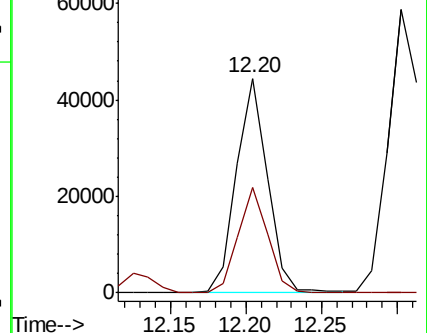
105 100

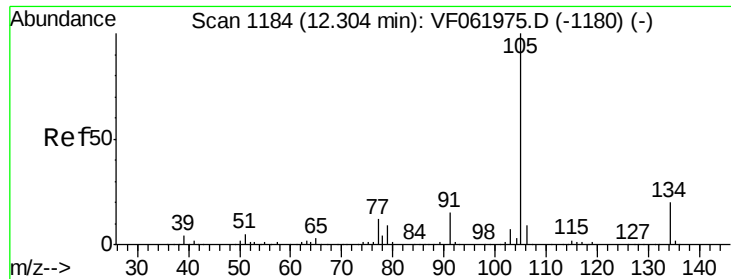
120 49.4 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

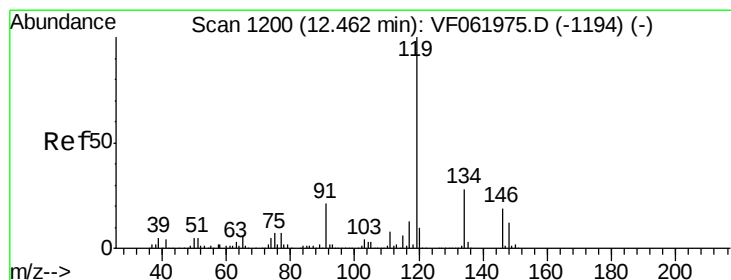
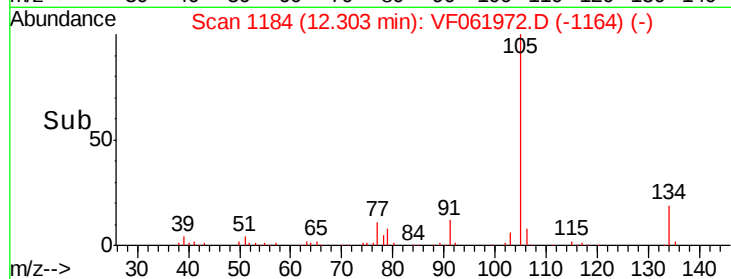
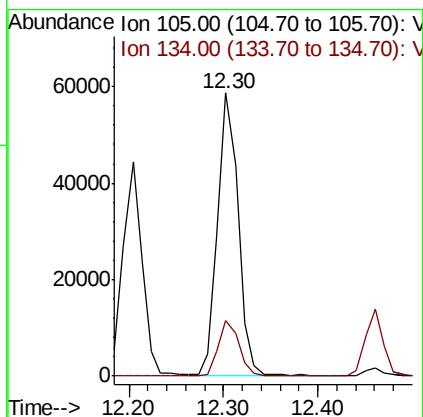
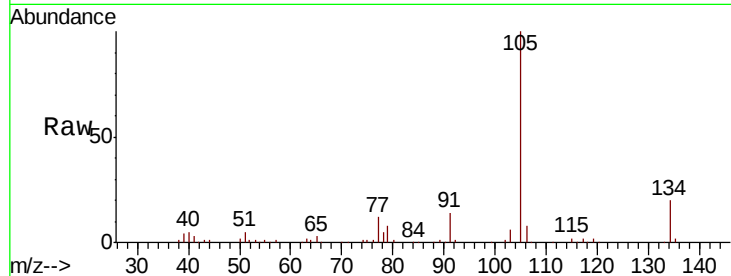




#85
 sec-Butylbenzene
 Concen: 5.342 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

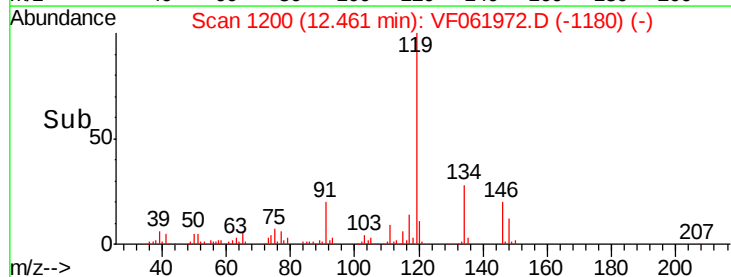
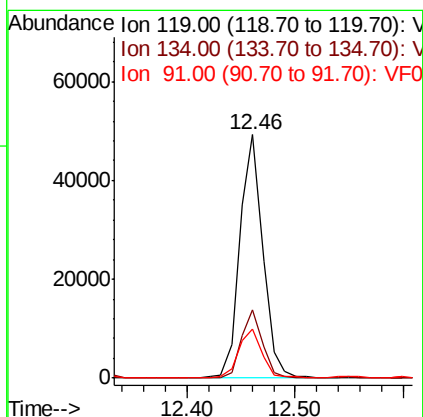
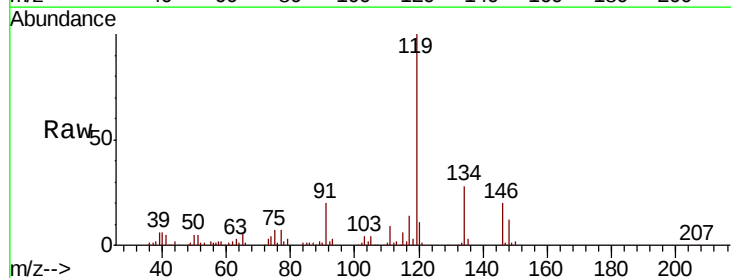
Instrument :
 MSVOA_F
 ClientSampleId :

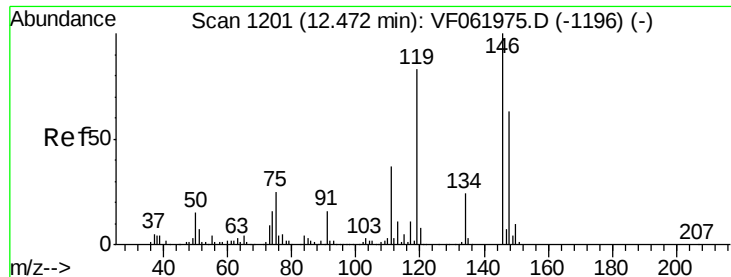
Tot Ion:105 Resp: 89364
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 5.216 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion:119 Resp: 72815
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.9 41.7
 91 20.2 10.4 31.1

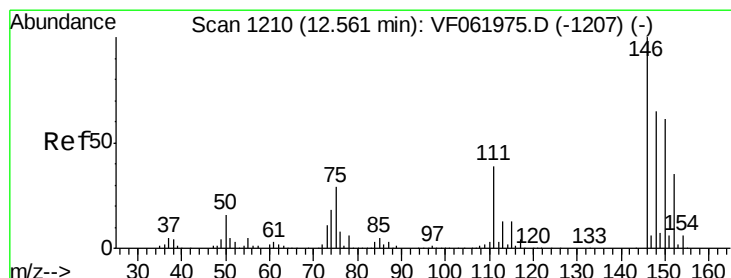
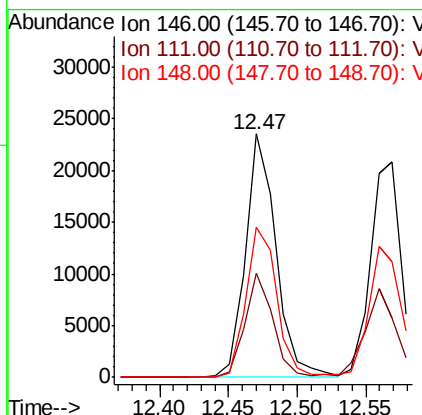
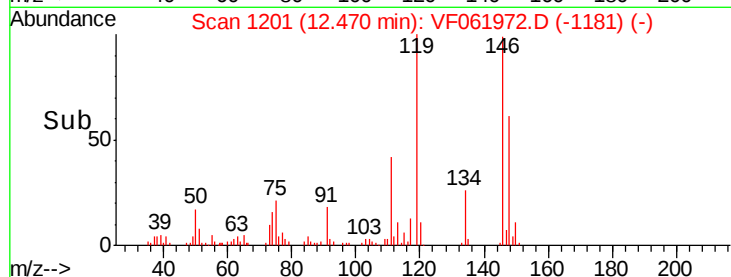
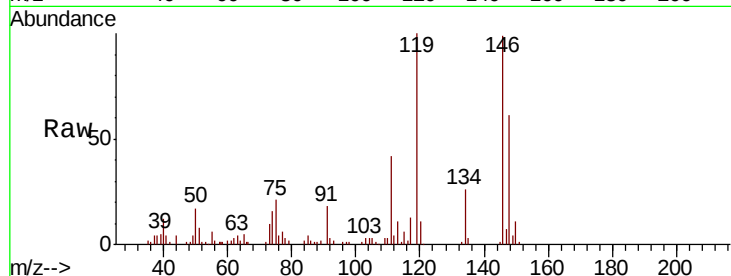




#87
 1,3-Dichlorobenzene
 Concen: 5.495 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

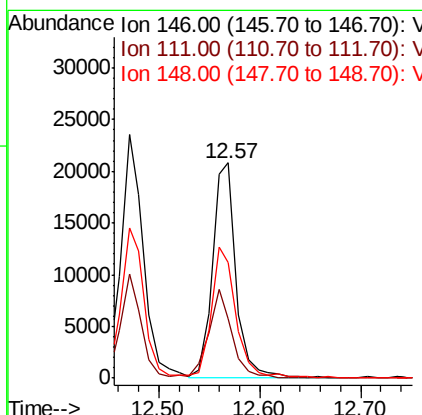
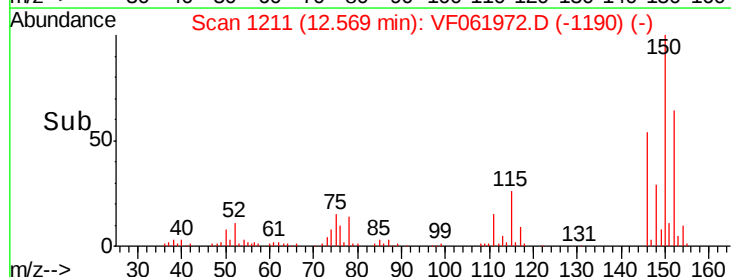
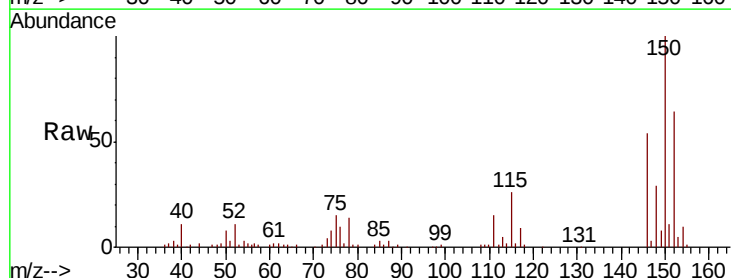
Instrument :
 MSVOA_F
 ClientSampleId :

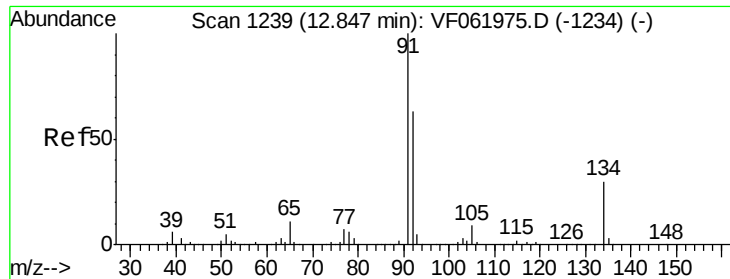
Tot Ion:146 Resp: 36660
 Ion Ratio Lower Upper
 146 100
 111 42.6 18.6 55.8
 148 61.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 5.307 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion:146 Resp: 34074
 Ion Ratio Lower Upper
 146 100
 111 27.7 19.4 58.1
 148 53.9 32.4 97.0

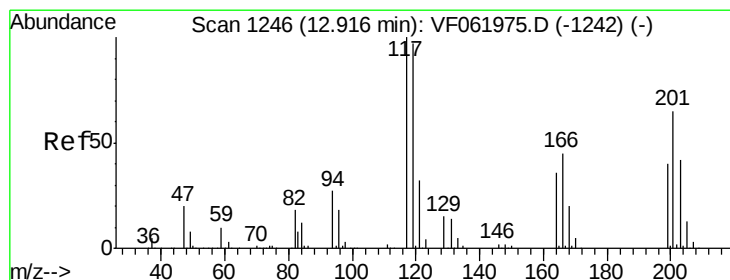
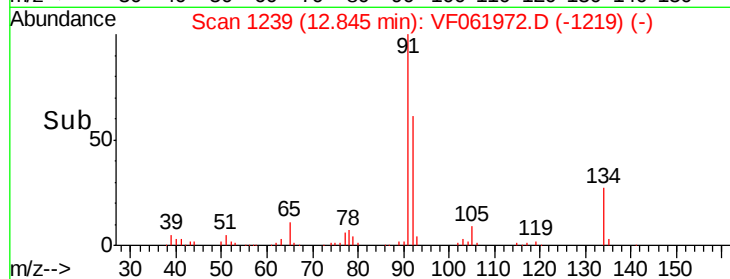
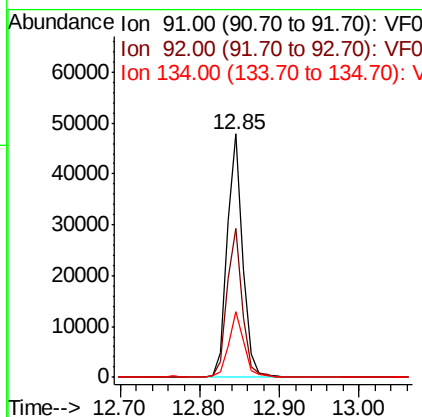
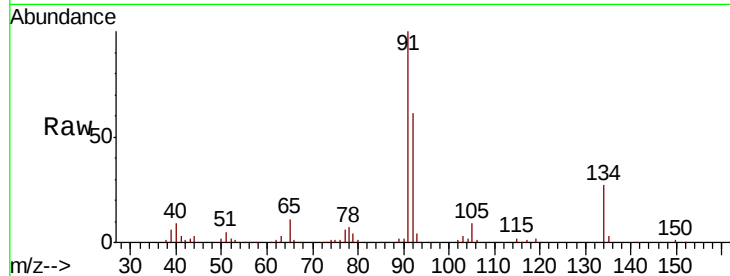




#89
n-Butylbenzene
Concen: 5.067 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

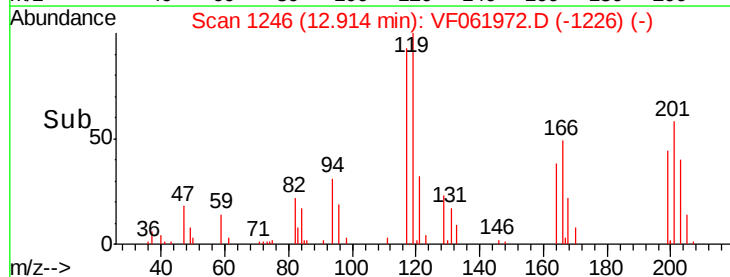
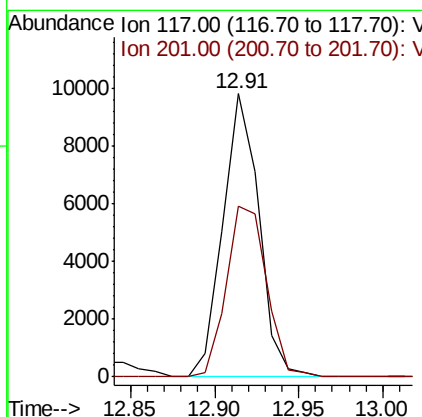
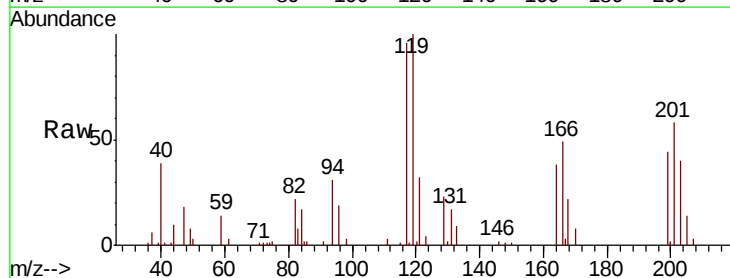
Instrument :
MSVOA_F
ClientSampleId :

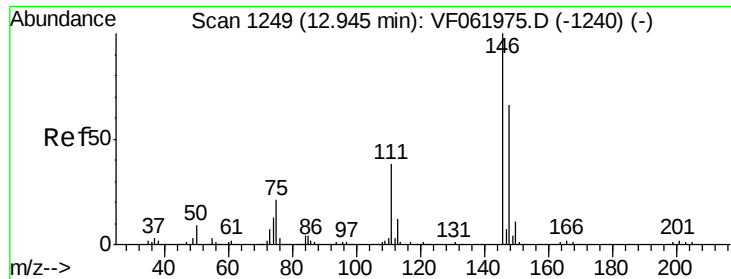
Tot Ion: 91 Resp: 66459
Ion Ratio Lower Upper
91 100
92 60.9 31.7 95.1
134 26.9 15.1 45.3



#90
Hexachloroethane
Concen: 4.593 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion: 117 Resp: 14632
Ion Ratio Lower Upper
117 100
201 60.2 32.5 97.5

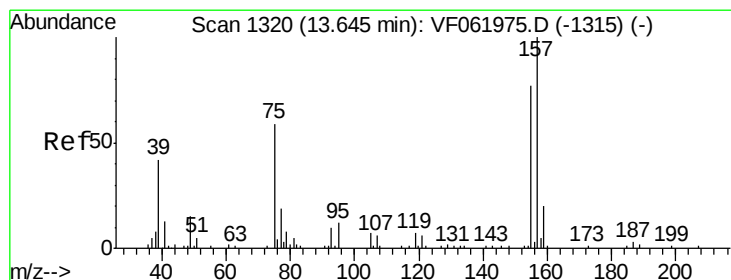
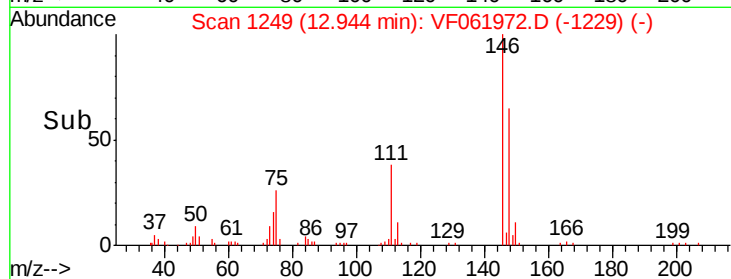
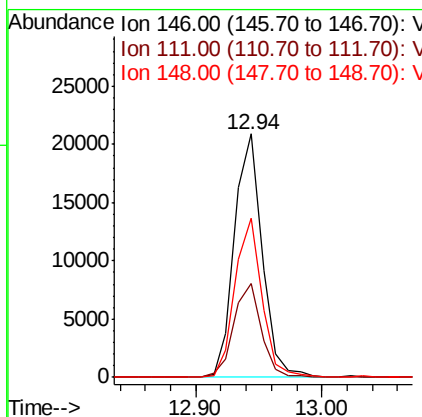
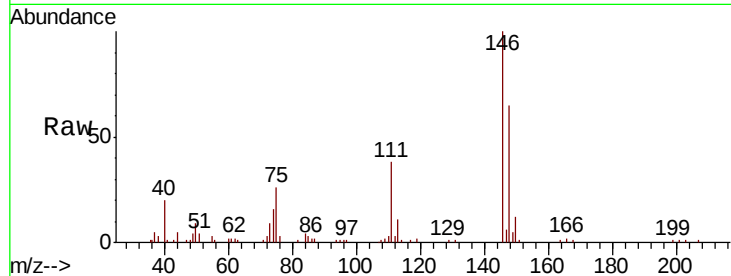




#91
 1,2-Dichlorobenzene
 Concen: 5.142 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

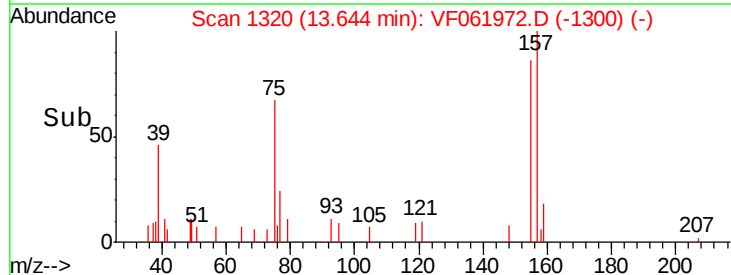
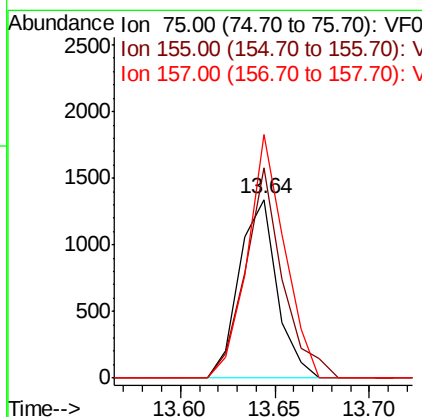
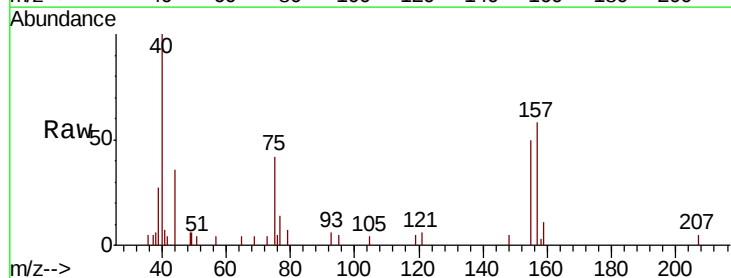
Instrument :
 MSVOA_F
 ClientSampled :

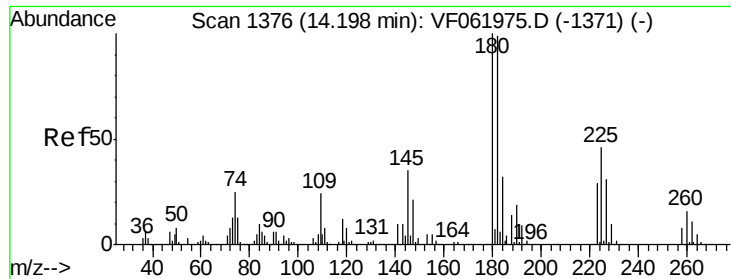
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	65.2	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.786 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.4	65.0	195.1
157	136.1	84.7	254.0

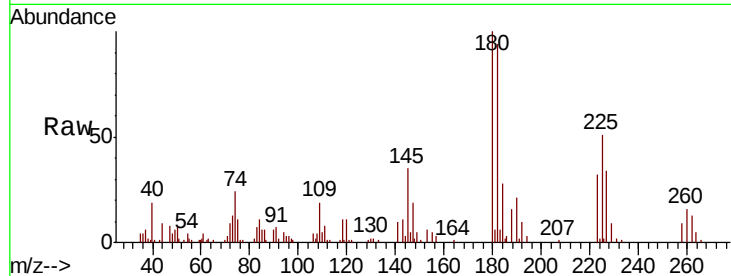




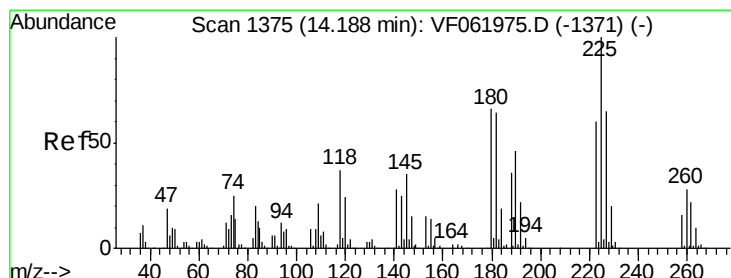
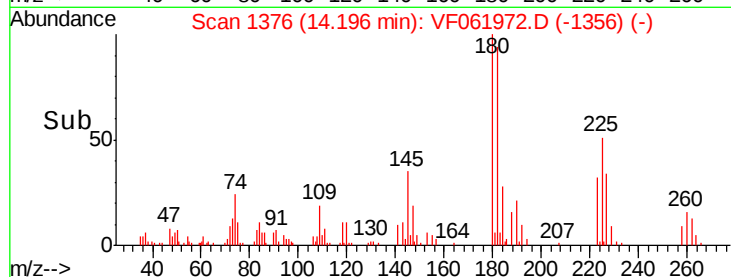
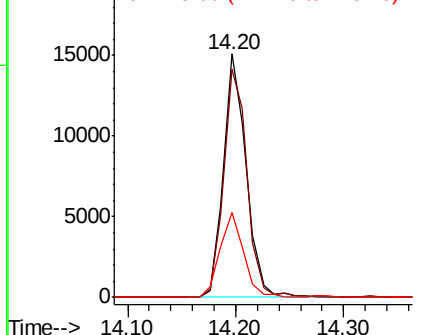
#93
 1,2,4-Trichlorobenzene
 Concen: 5.115 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 22006
 Ion Ratio Lower Upper
 180 100
 182 93.8 49.6 149.0
 145 35.1 17.5 52.5

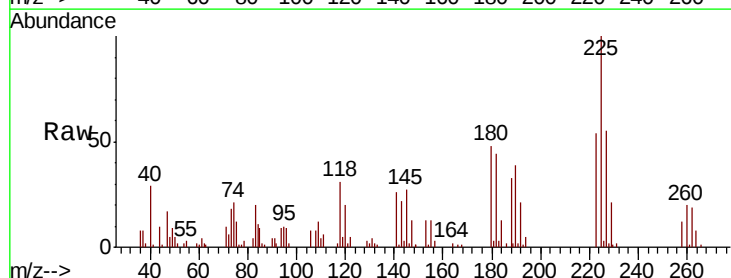


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

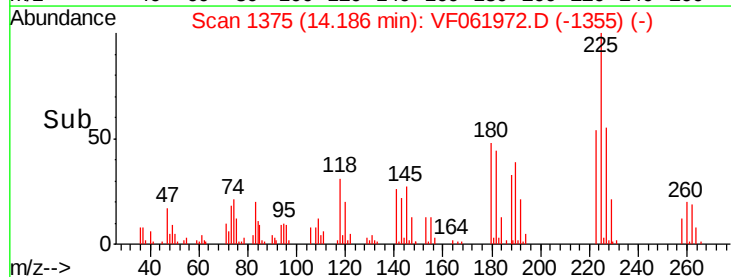
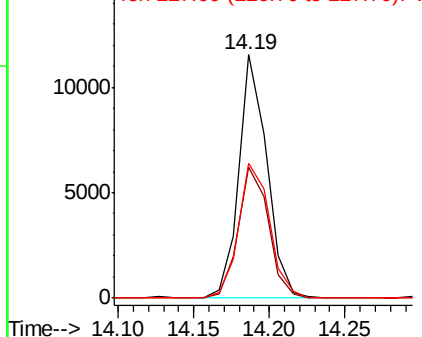


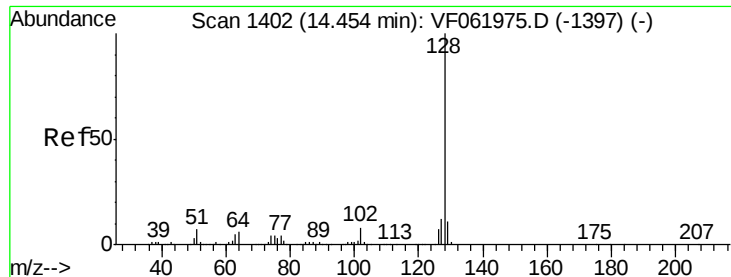
#94
 Hexachlorobutadiene
 Concen: 5.194 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061972.D
 Acq: 16 Mar 2019 10:14

Tgt Ion:225 Resp: 14836
 Ion Ratio Lower Upper
 225 100
 223 53.7 29.9 89.7
 227 55.2 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

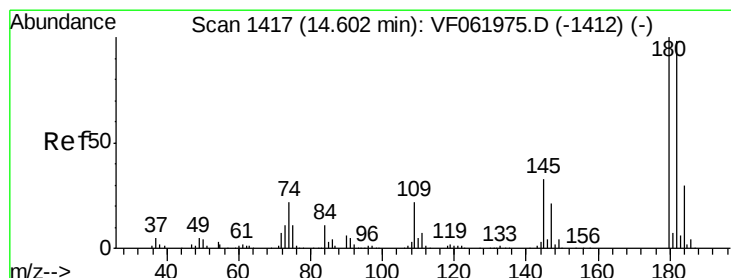
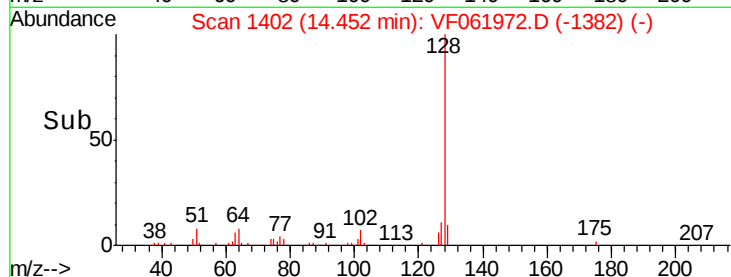
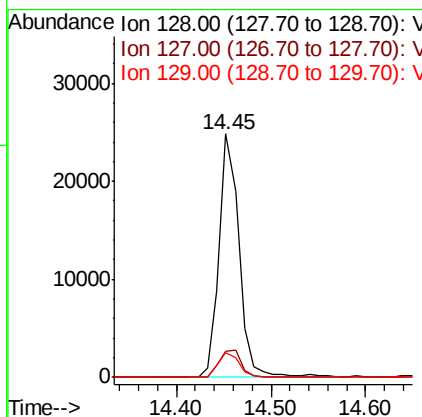
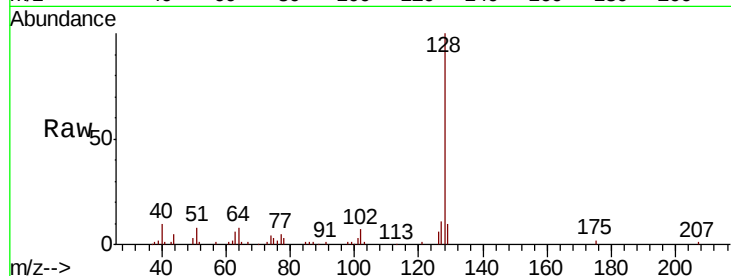




#95
Naphthalene
Concen: 4.726 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 36575
Ion Ratio Lower Upper
128 100
127 10.6 9.3 13.9
129 10.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 4.632 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061972.D
Acq: 16 Mar 2019 10:14

Tgt Ion:180 Resp: 18335
Ion Ratio Lower Upper
180 100
182 96.8 48.9 146.8
145 33.4 16.7 50.1

