

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062636.D
 Acq On : 17 May 2019 13:42
 Operator : FY/SY
 Sample : K2637-01
 Misc : 0.94g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:38:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	72874	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.79	114	74748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	42104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	17783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	8490	16.49	ug/l	-0.01
Spiked Amount			Recovery	=	32.98%	
35) Dibromofluoromethane	4.31	113	14472	25.30	ug/l	-0.01
Spiked Amount			Recovery	=	50.60%	
50) Toluene-d8	7.72	98	57169	41.86	ug/l	0.00
Spiked Amount			Recovery	=	83.72%	
62) 4-Bromofluorobenzene	11.50	95	14192	27.40	ug/l	0.00
Spiked Amount			Recovery	=	54.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.42	94	1096	2.383	ug/l	87
6) Chloroethane	1.43	64	814	2.637	ug/l #	1
8) Diethyl Ether	1.71	74	1548	6.924	ug/l	58
11) Tert butyl alcohol	2.70	59	570	16.766	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	801	1.224	ug/l #	6
13) Acrolein	2.12	56	1717	48.381	ug/l #	80
15) Acrylonitrile	3.08	53	1792	18.685	ug/l #	49
16) Acetone	2.35	43	3161	23.661	ug/l	93
18) Methyl Acetate	2.45	43	4067	19.372	ug/l	94
19) Methyl tert-butyl Ether	2.57	73	4324	3.695	ug/l #	18
20) Methylene Chloride	2.32	84	8387	12.524	ug/l #	70
21) trans-1,2-Dichloroethene	2.43	96	705	1.102	ug/l #	1
22) Diisopropyl ether	2.93	45	10876	7.443	ug/l #	82
23) Vinyl Acetate	3.33	43	3188	3.234	ug/l #	73
25) 2-Butanone	4.52	43	4822	16.894	ug/l #	88
26) 2,2-Dichloropropane	3.78	77	1331	2.170	ug/l	76
29) Tetrahydrofuran	4.28	42	4619	39.990	ug/l #	73
37) Ethyl Acetate	4.33	43	663	2.120	ug/l #	24
39) Methylcyclohexane	5.65	83	2483	2.694	ug/l #	93
40) Benzene	4.83	78	8705	4.172	ug/l #	69
41) Methacrylonitrile	4.95	41	676	4.123	ug/l #	60
43) Isopropyl Acetate	7.11	43	7325	18.079	ug/l #	91
45) 1,2-Dichloropropane	6.38	63	748	1.420	ug/l #	45
48) Methyl methacrylate	6.91	41	3684	17.396	ug/l #	42
49) 1,4-Dioxane	6.88	88	639	235.592	ug/l #	10
51) 4-Methyl-2-Pentanone	8.40	43	22714	82.018	ug/l #	78
52) Toluene	7.79	92	9460	8.645	ug/l #	61
53) t-1,3-Dichloropropene	8.44	75	1260	2.437	ug/l #	1
54) cis-1,3-Dichloropropene	7.46	75	1148	1.586	ug/l #	53
55) 1,1,2-Trichloroethane	8.63	97	1677	5.176	ug/l #	53
56) Ethyl methacrylate	8.75	69	8813	22.830	ug/l #	92
57) 1,3-Dichloropropane	9.00	76	1744	3.160	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.44	63	544	4.329	ug/l #	76
59) 2-Hexanone	9.62	43	16745	80.875	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062636.D
 Acq On : 17 May 2019 13:42
 Operator : FY/SY
 Sample : K2637-01
 Misc : 0.94g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

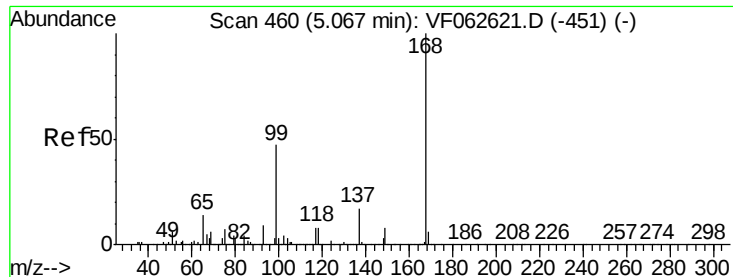
Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:38:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) Dibromochloromethane	8.87	129	575	1.362	ug/l #	12
65) Chlorobenzene	9.94	112	3188	3.855	ug/l #	63
66) 1,1,1,2-Tetrachloroethane	10.20	131	588	1.771	ug/l	84
67) Ethyl Benzene	10.04	91	11914	8.293	ug/l	91
68) m/p-Xylenes	10.26	106	10498	19.443	ug/l	100
69) o-Xylene	10.81	106	4791	8.615	ug/l	95
70) Styrene	10.89	104	6213	7.350	ug/l #	84
71) Bromoform	10.89	173	1055	6.345	ug/l #	86
73) Isopropylbenzene	11.22	105	18983	14.894	ug/l	92
74) N-amyl acetate	11.45	43	10503	30.257	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.77	83	3203	12.297	ug/l #	30
76) 1,2,3-Trichloropropane	11.87	75	1240	7.245	ug/l #	20
77) Bromobenzene	11.62	156	28879	91.156	ug/l #	1
78) n-propylbenzene	11.67	91	22579	14.969	ug/l	84
79) 2-Chlorotoluene	11.80	91	5725	6.735	ug/l #	68
80) 1,3,5-Trimethylbenzene	11.90	105	8444	8.262	ug/l	70
81) trans-1,4-Dichloro-2-buten	11.94	75	376	4.942	ug/l #	77
82) 4-Chlorotoluene	11.98	91	4887	5.830	ug/l	88
83) tert-Butylbenzene	12.20	119	9683	9.339	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	6937	7.013	ug/l	86
85) sec-Butylbenzene	12.37	105	14500	10.421	ug/l	88
86) p-Isopropyltoluene	12.53	119	8631	7.360	ug/l	88
87) 1,3-Dichlorobenzene	12.54	146	3498	6.103	ug/l #	21
88) 1,4-Dichlorobenzene	12.63	146	3736	6.946	ug/l #	55
89) n-Butylbenzene	12.89	91	7300	6.314	ug/l	78
90) Hexachloroethane	12.97	117	975	3.466	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	2614	5.116	ug/l #	45
92) 1,2-Dibromo-3-Chloropropan	13.73	75	518	16.670	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.24	180	724	1.980	ug/l #	1
94) Hexachlorobutadiene	14.22	225	739	2.895	ug/l #	33
95) Naphthalene	14.49	128	3669	5.522	ug/l #	67
96) 1,2,3-Trichlorobenzene	14.64	180	860	2.483	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

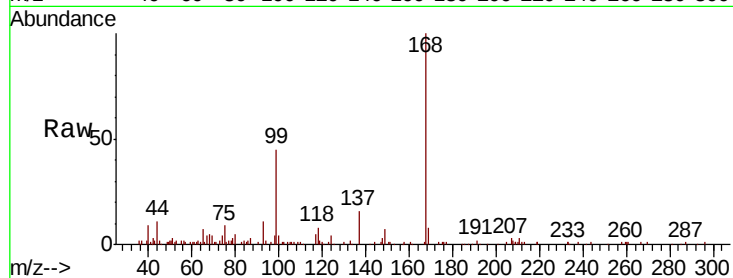
ClientSampleId :

Tot Ion:168 Resp: 72874

Ion Ratio Lower Upper

168 100

99 45.4 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

25000

20000

15000

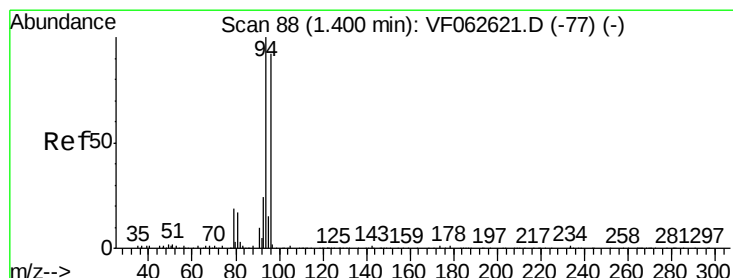
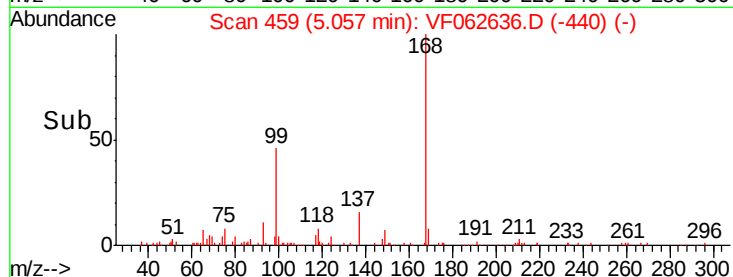
10000

5000

0

Time-->

5.00 5.10 5.20



#5

Bromomethane

Concen: 2.383 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062636.D

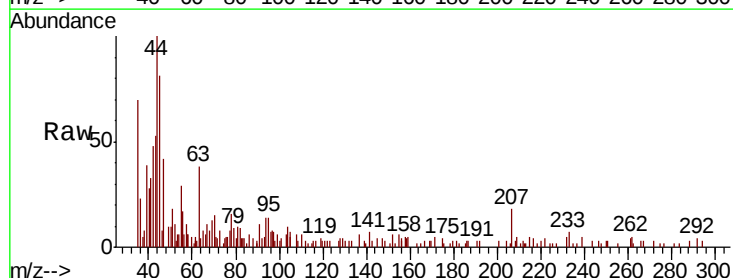
Acq: 17 May 2019 13:42

Tgt Ion: 94 Resp: 1096

Ion Ratio Lower Upper

94 100

96 104.1 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.42

800

600

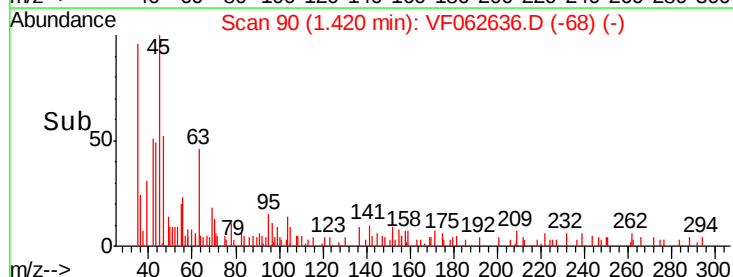
400

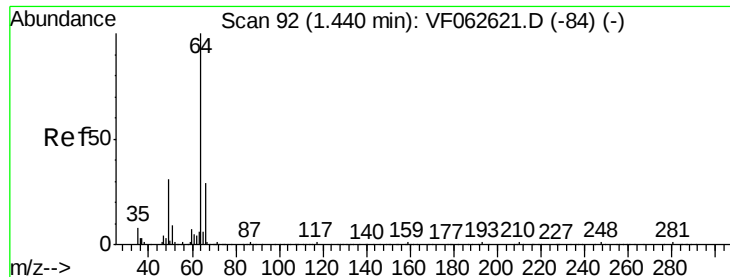
200

0

Time-->

1.40 1.45





#6

Chloroethane

Concen: 2.637 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

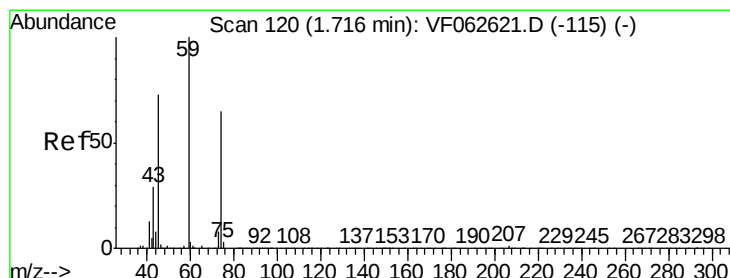
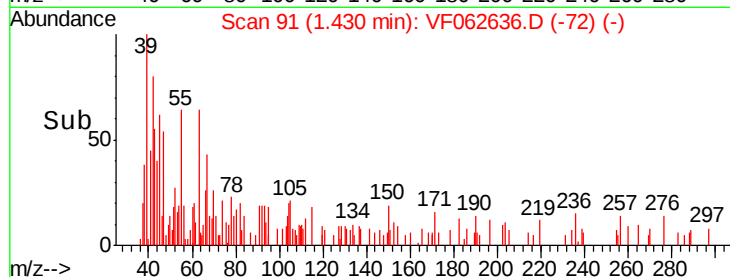
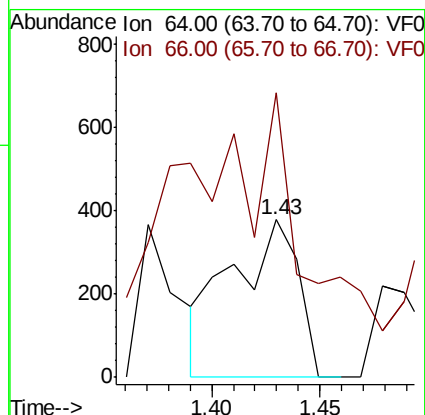
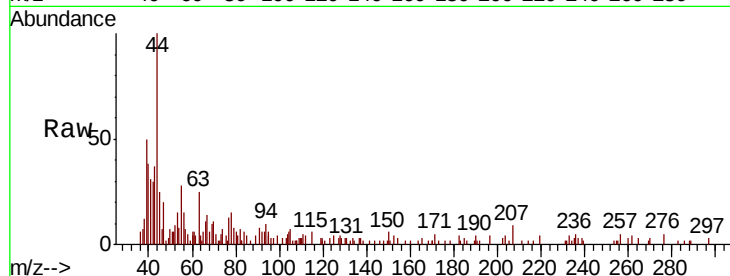
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 64 Resp: 814

Ion Ratio Lower Upper

64 100

66 181.4 23.4 35.2#



#8

Diethyl Ether

Concen: 6.924 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062636.D

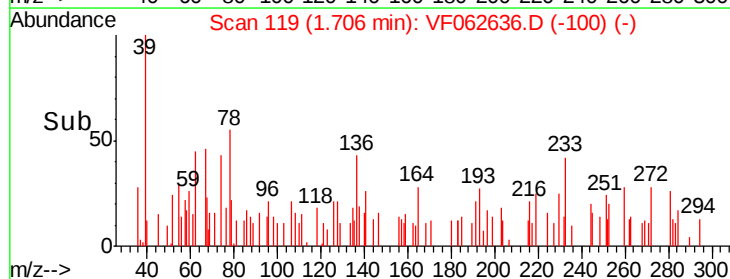
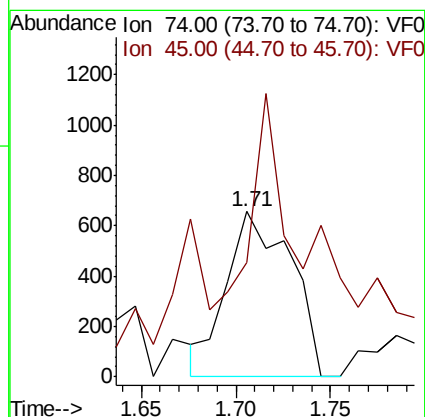
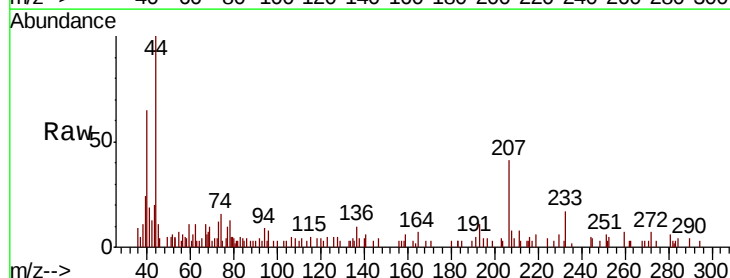
Acq: 17 May 2019 13:42

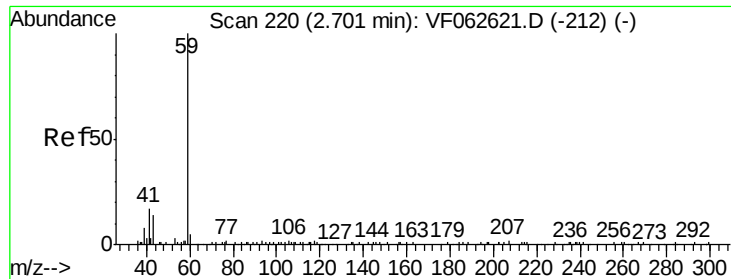
Tgt Ion: 74 Resp: 1548

Ion Ratio Lower Upper

74 100

45 68.9 57.0 170.8



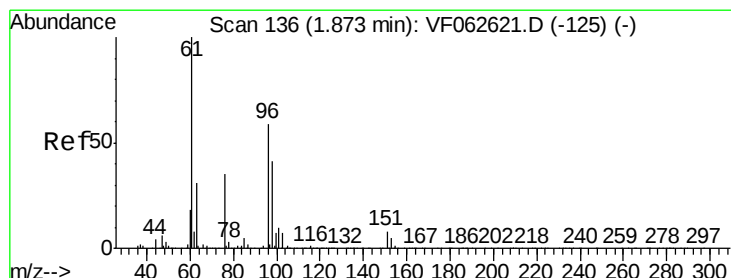
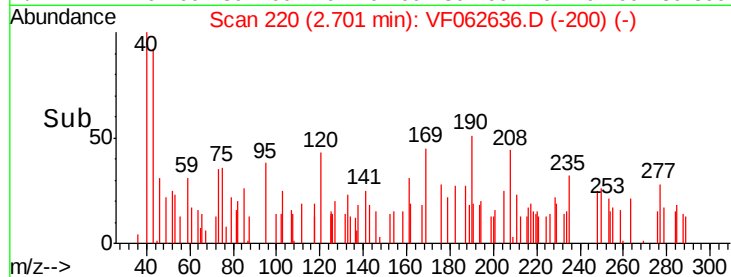
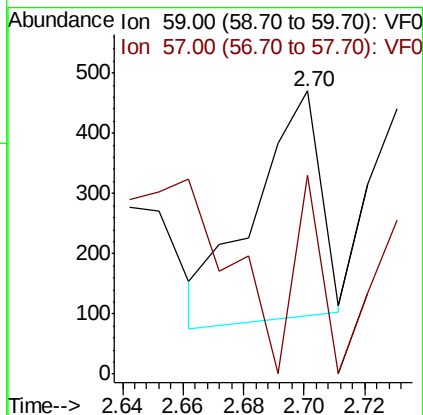
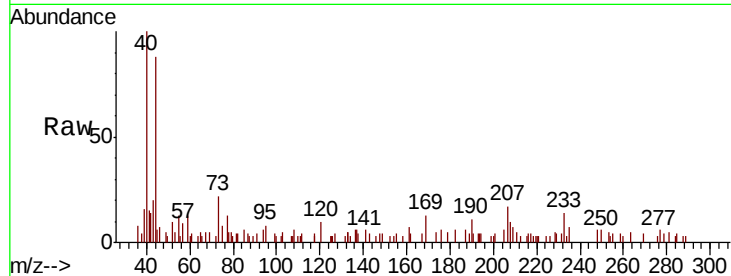


#11

Tert butyl alcohol
Concen: 16.766 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Instrument :
MSVOA_F
ClientSampled :

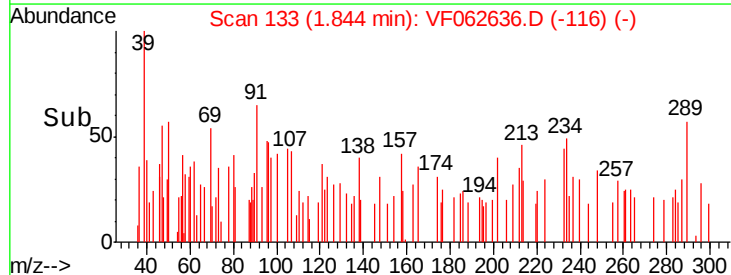
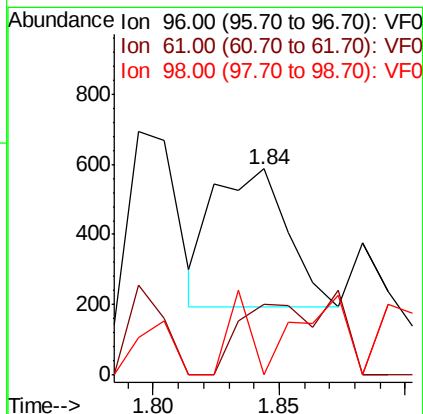
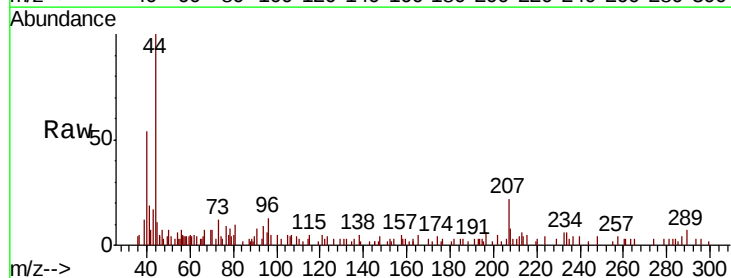
Tot Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 70.2 9.3 13.9#

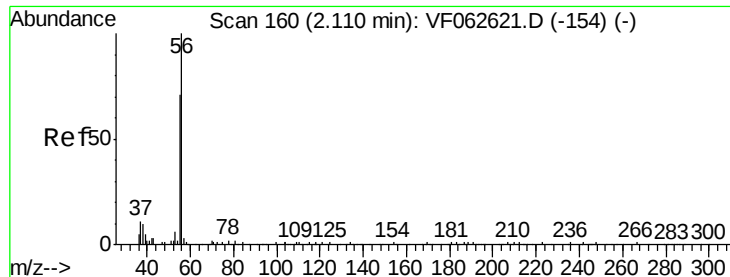


#12

1,1-Dichloroethene
Concen: 1.224 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.03 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 96 Resp: 801
Ion Ratio Lower Upper
96 100
61 34.3 134.3 201.5#
98 0.0 55.0 82.6#

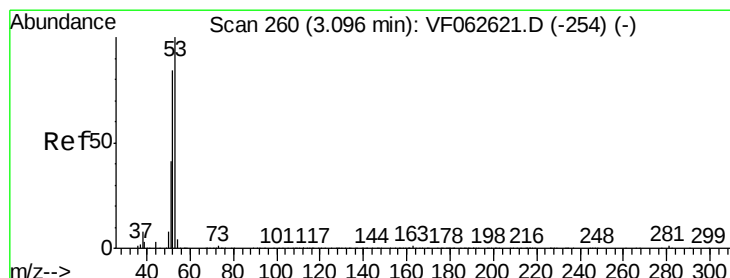
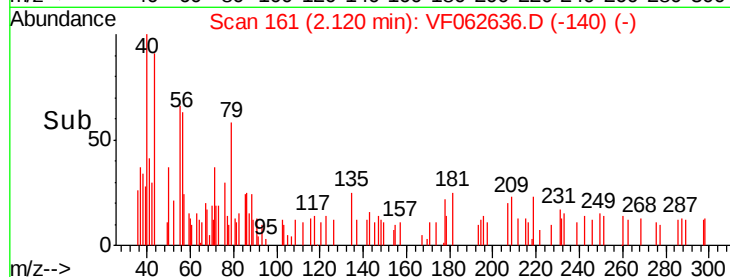
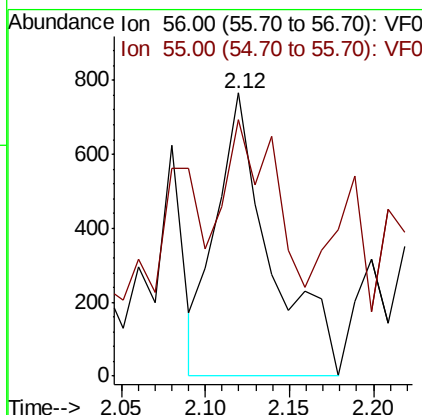
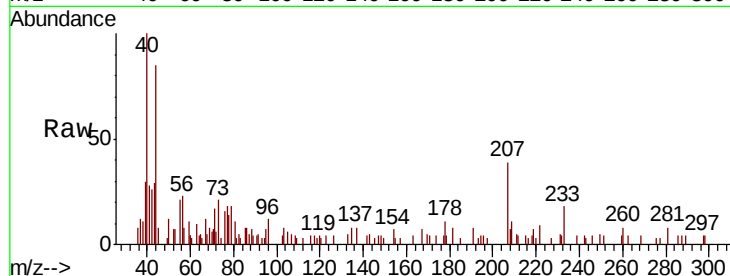




#13
Acrolein
Concen: 48.381 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

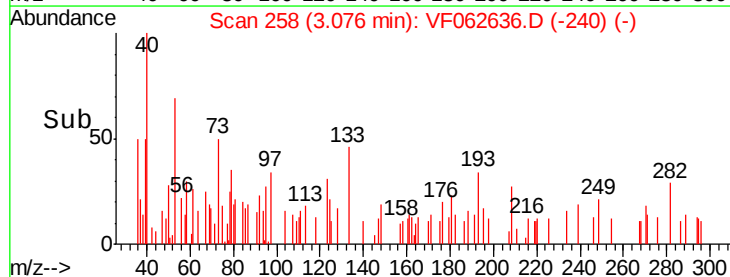
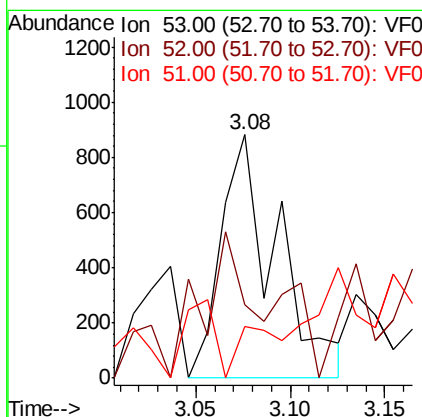
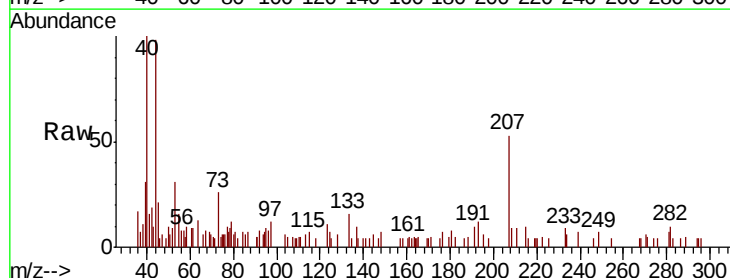
Instrument :
MSVOA_F
ClientSampled :

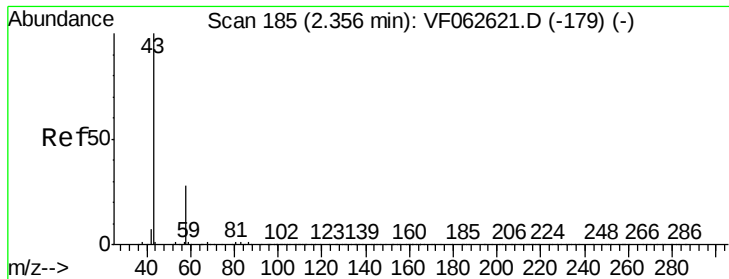
Tot Ion: 56 Resp: 1717
Ion Ratio Lower Upper
56 100
55 90.7 59.4 89.0#



#15
Acrylonitrile
Concen: 18.685 ug/l
RT: 3.08 min Scan# 258
Delta R.T. -0.02 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 53 Resp: 1792
Ion Ratio Lower Upper
53 100
52 29.9 67.3 100.9#
51 21.1 33.0 49.6#

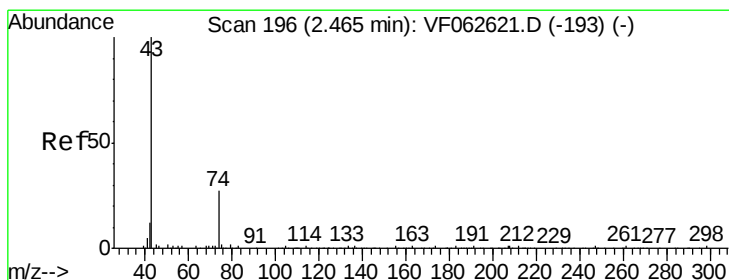
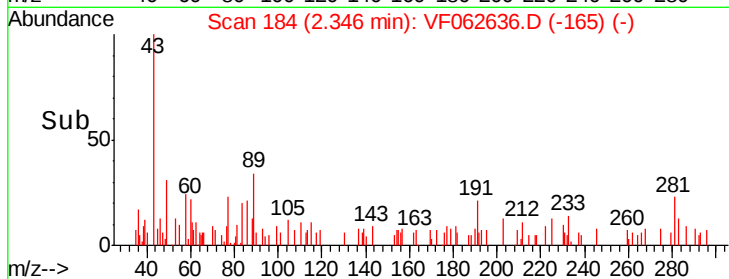
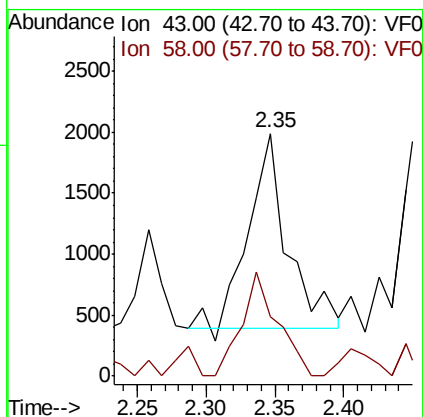
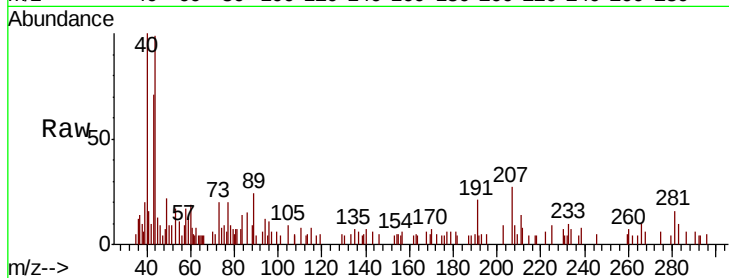




#16
Acetone
Concen: 23.661 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

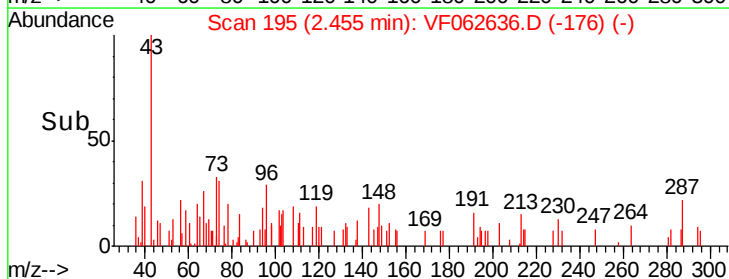
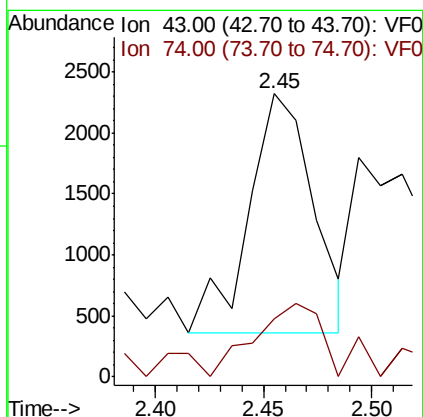
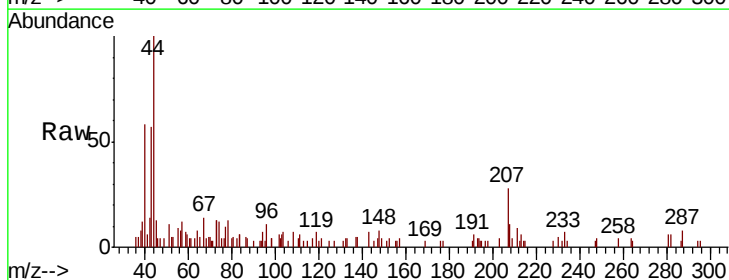
Instrument :
MSVOA_F
ClientSampled :

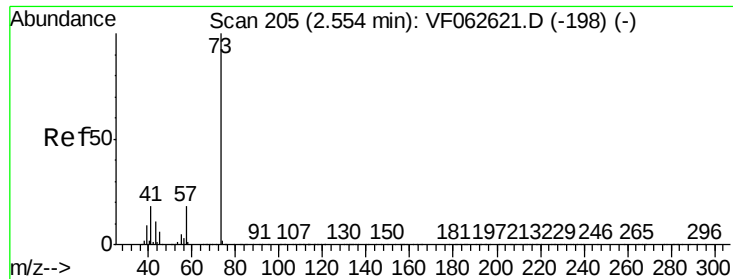
Tot Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
58 24.4 22.6 33.8



#18
Methyl Acetate
Concen: 19.372 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 43 Resp: 4067
Ion Ratio Lower Upper
43 100
74 20.6 18.9 28.3

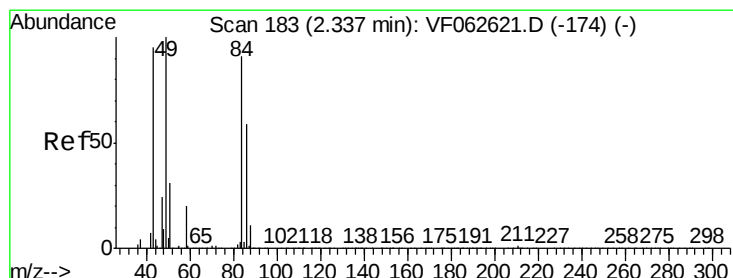
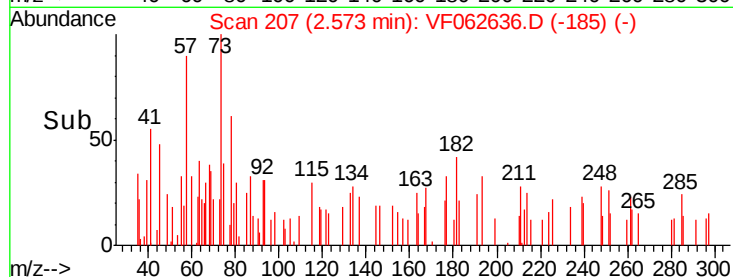
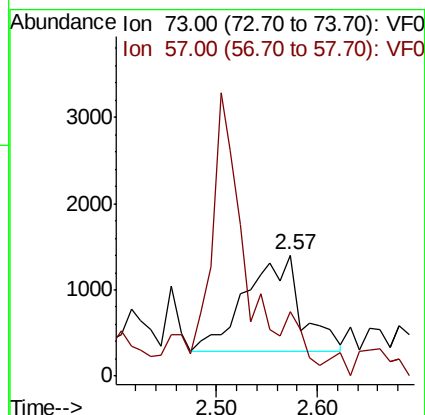
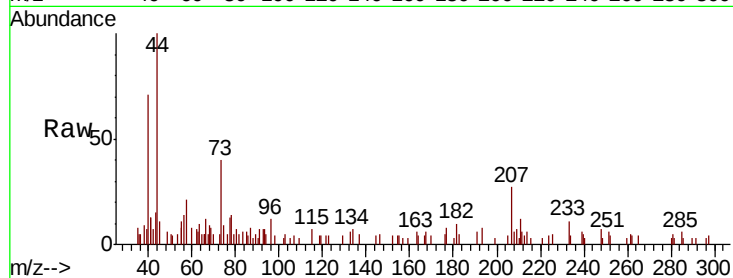




#19
Methvl tert-butvl Ether
Concen: 3.695 ug/l
RT: 2.57 min Scan# 207
Delta R.T. 0.02 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

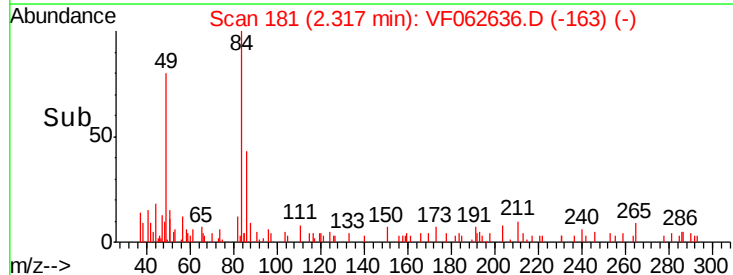
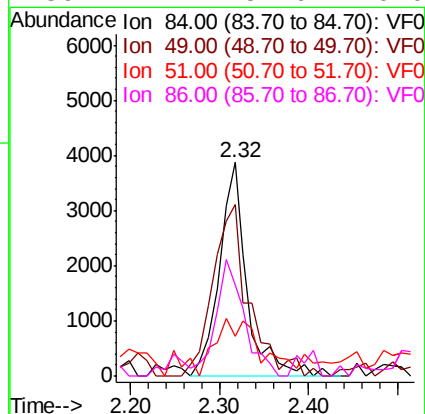
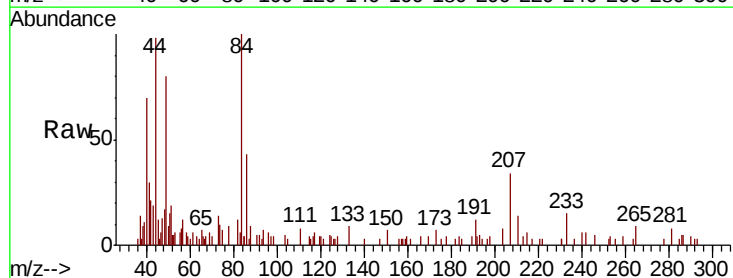
Instrument :
MSVOA_F
ClientSampleId :

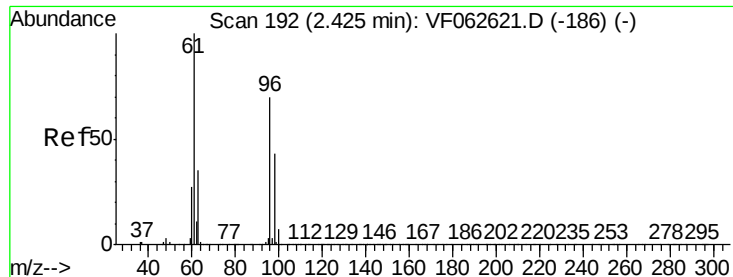
Tot Ion: 73 Resp: 4324
Ion Ratio Lower Upper
73 100
57 53.7 14.2 21.4#



#20
Methylene Chloride
Concen: 12.524 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 84 Resp: 8387
Ion Ratio Lower Upper
84 100
49 80.1 89.8 134.8#
51 18.6 28.4 42.6#
86 42.7 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 1.102 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

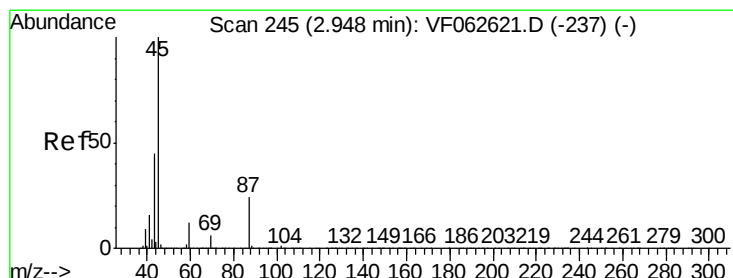
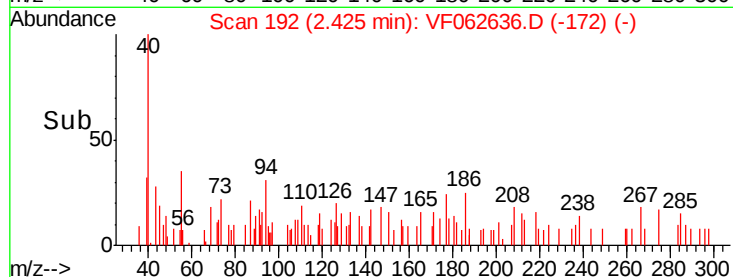
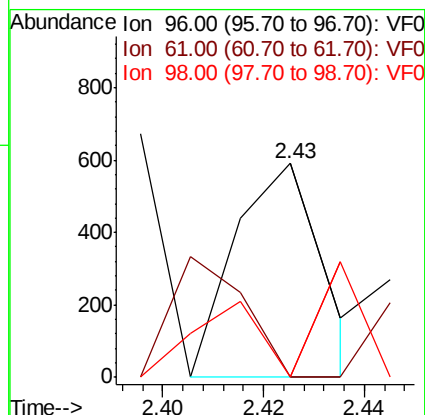
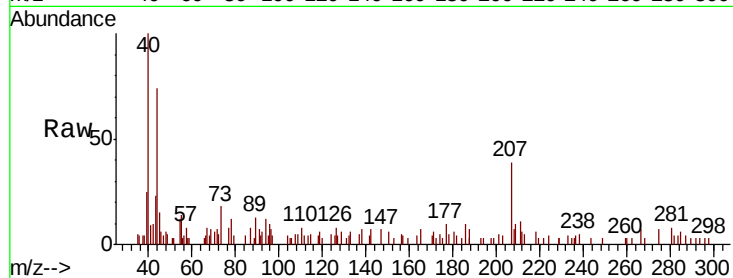
Tot Ion: 96 Resp: 705

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 0.0 49.5 74.3#



#22

Diisopropyl ether

Concen: 7.443 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Tgt Ion: 45 Resp: 10876

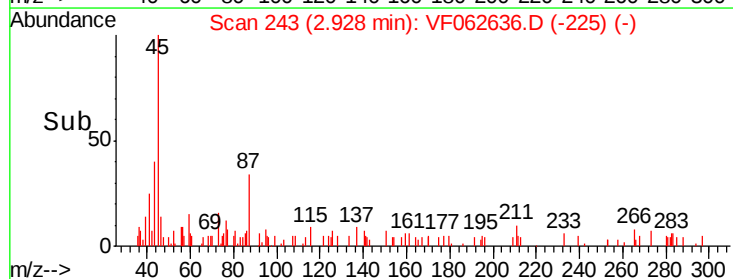
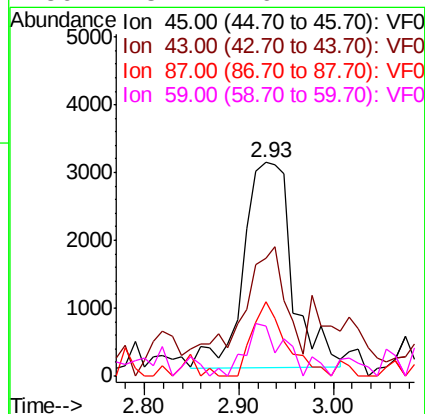
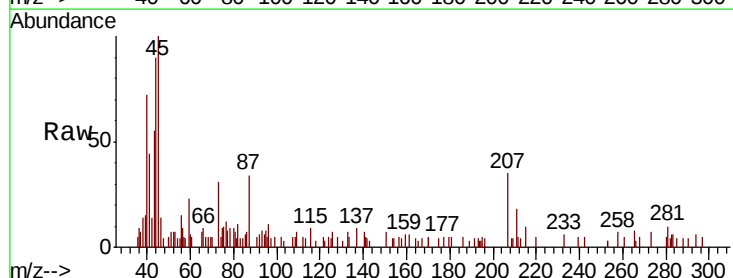
Ion Ratio Lower Upper

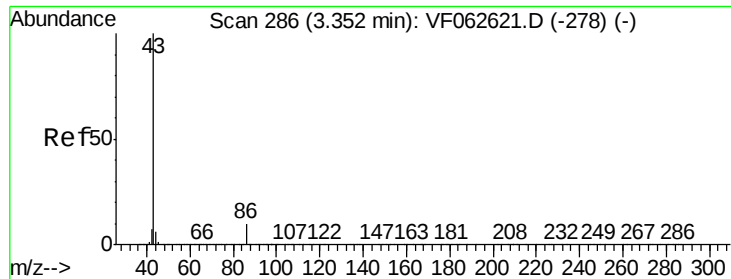
45 100

43 54.9 36.4 54.6#

87 34.5 19.3 28.9#

59 23.1 9.4 14.2#

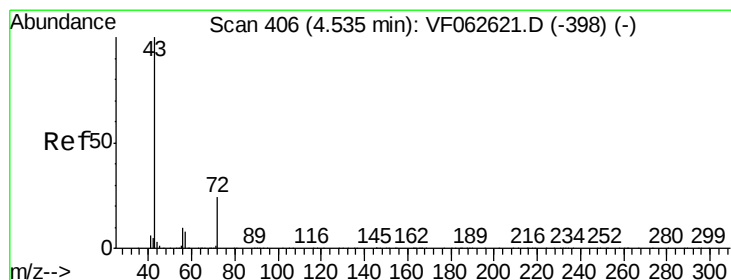
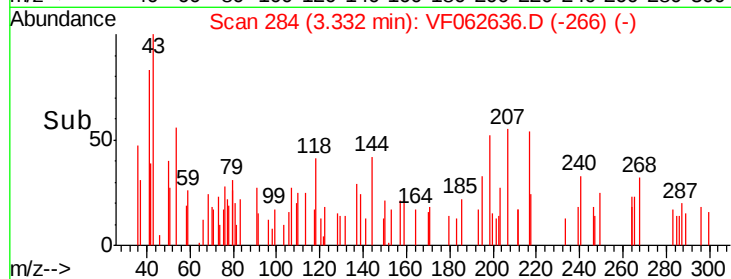
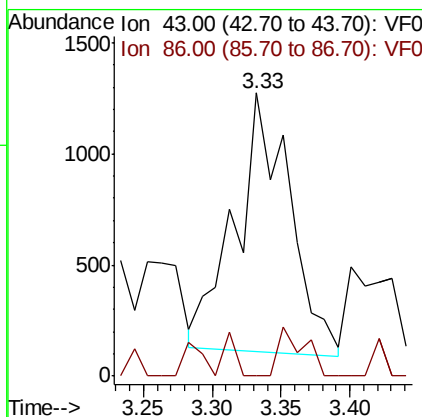
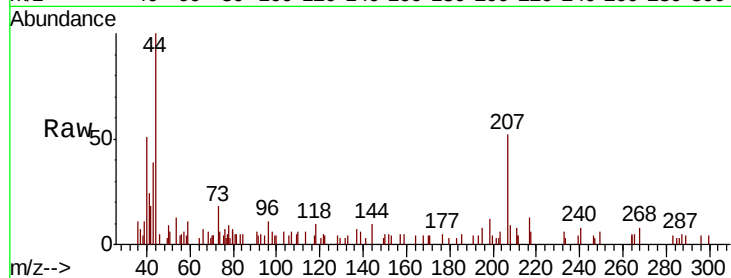




#23
 Vinyl Acetate
 Concen: 3.234 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.02 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

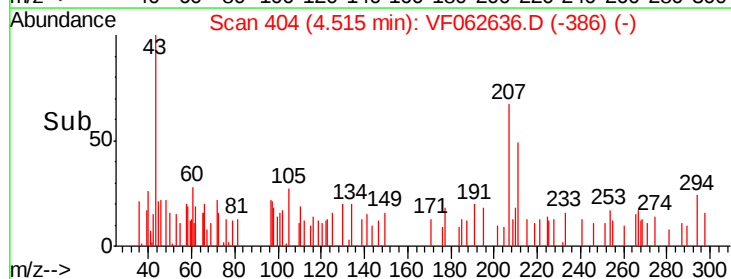
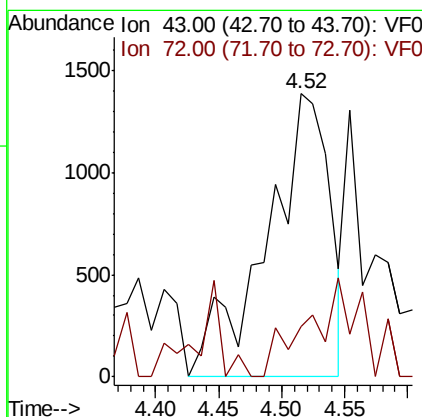
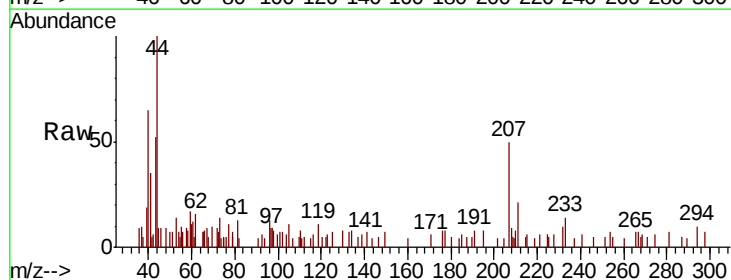
Instrument :
 MSVOA_F
 ClientSampled :

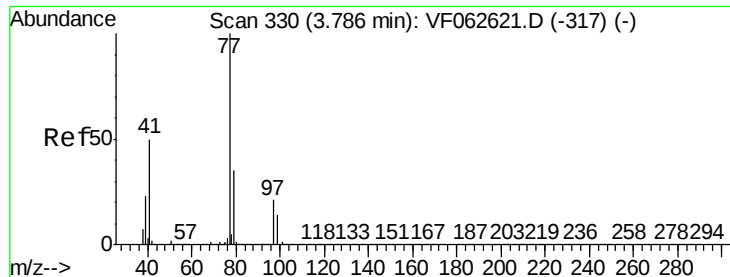
Tot Ion: 43 Resp: 3188
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#25
 2-Butanone
 Concen: 16.894 ug/l
 RT: 4.52 min Scan# 404
 Delta R.T. -0.02 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion: 43 Resp: 4822
 Ion Ratio Lower Upper
 43 100
 72 31.2 20.1 30.1#

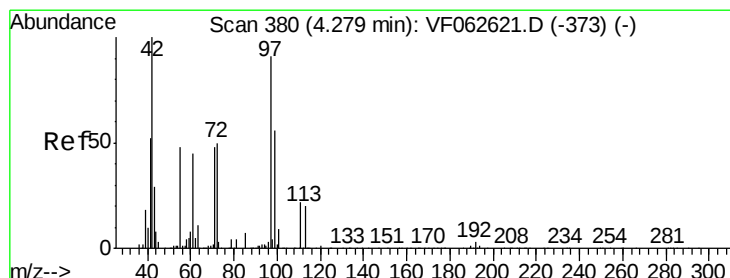
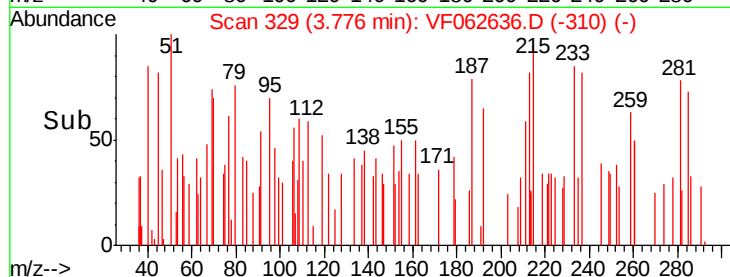
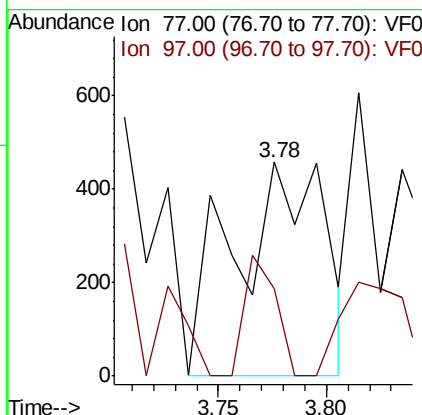
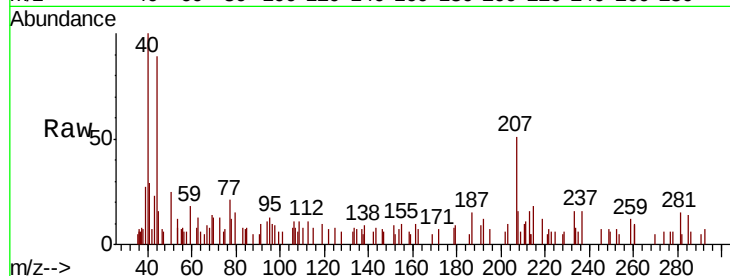




#26
 2,2-Dichloropropane
 Concen: 2.170 ug/l
 RT: 3.78 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

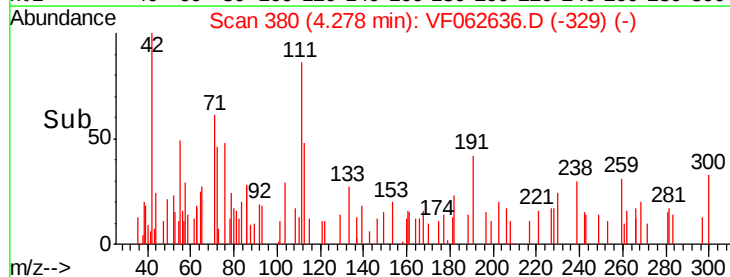
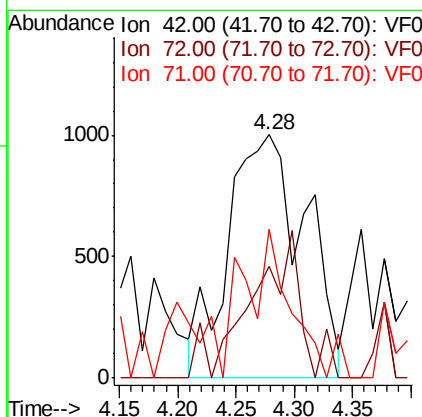
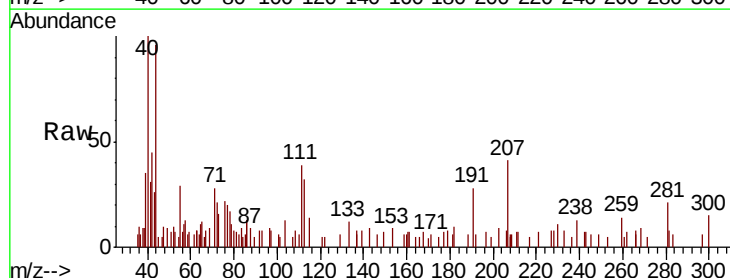
Instrument :
 MSVOA_F
 ClientSampleId :

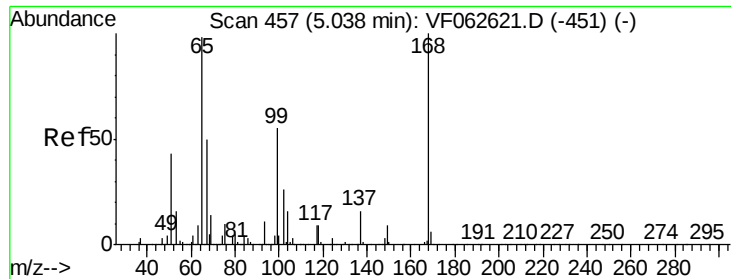
Tot Ion: 77 Resp: 1331
 Ion Ratio Lower Upper
 77 100
 97 40.8 14.1 42.4



#29
 Tetrahydrofuran
 Concen: 39.990 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion: 42 Resp: 4619
 Ion Ratio Lower Upper
 42 100
 72 36.2 38.2 57.2#
 71 20.5 35.8 53.6#





#33

1,2-Dichloroethane-d4

Concen: 16.487 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

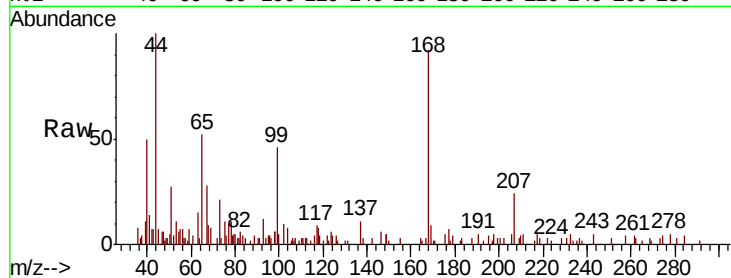
ClientSampleId :

Tot Ion: 65 Resp: 8490

Ion Ratio Lower Upper

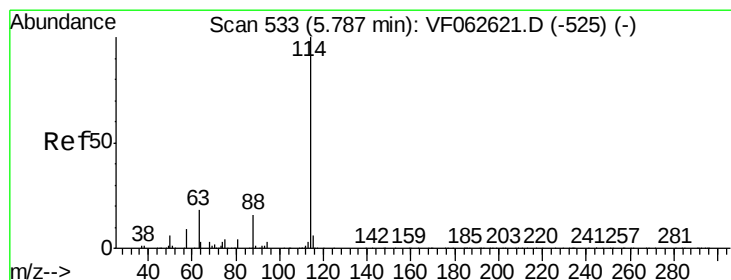
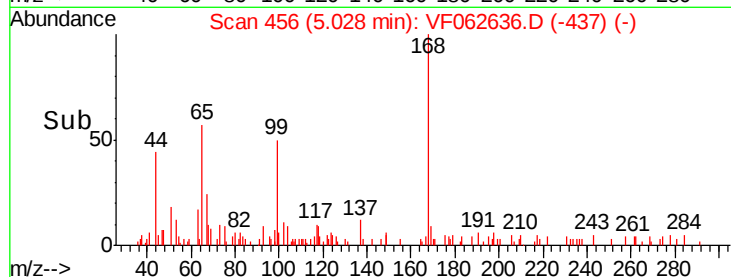
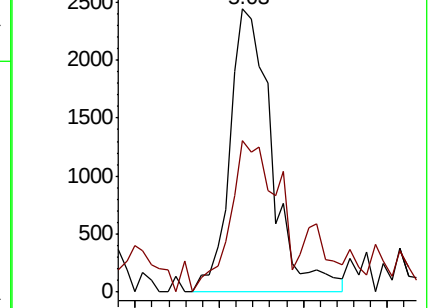
65 100

67 53.3 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

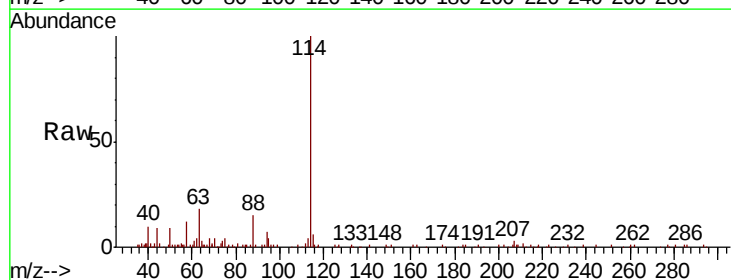
Tgt Ion: 114 Resp: 74748

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

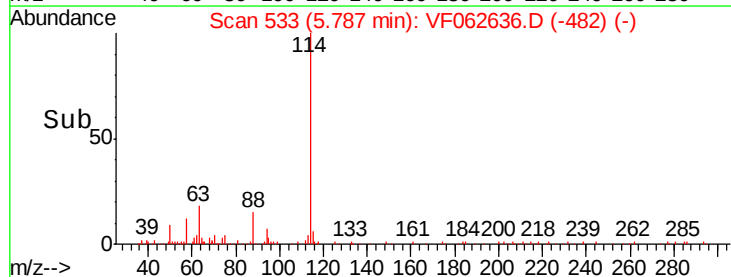
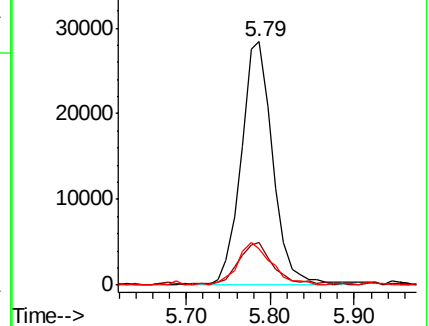
88 14.8 0.0 32.4

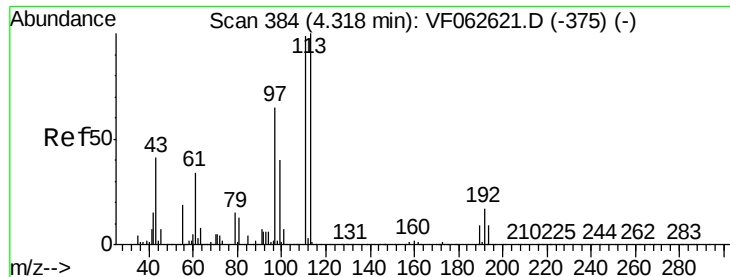


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

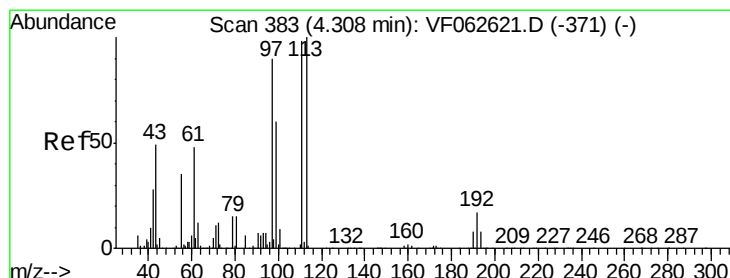
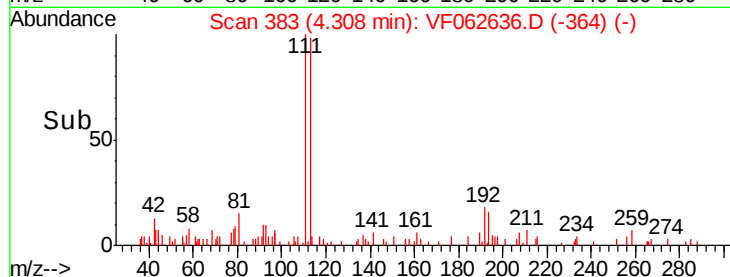
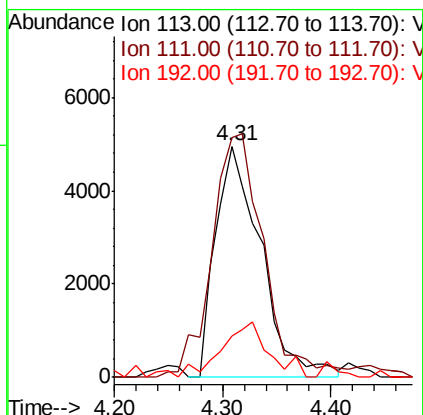
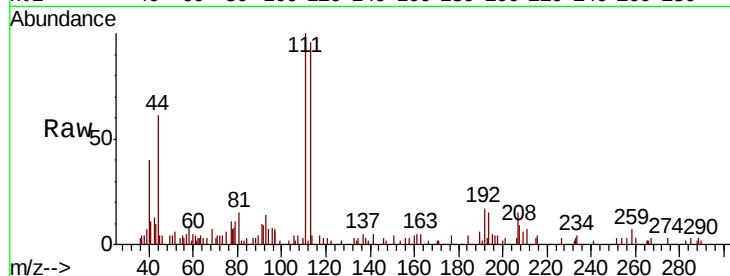




#35
Dibromofluoromethane
Concen: 25.302 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

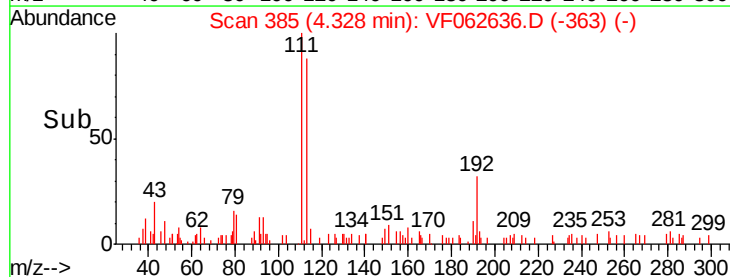
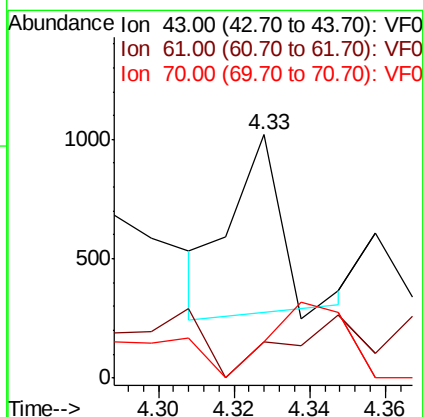
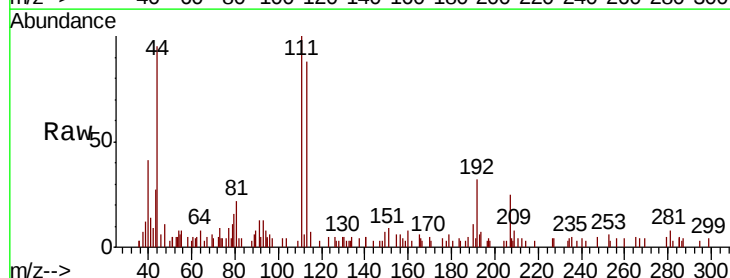
Instrument :
MSVOA_F
ClientSampleId :

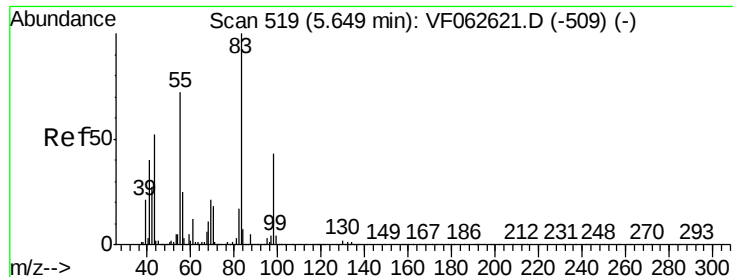
Tot Ion:113 Resp: 14472
Ion Ratio Lower Upper
113 100
111 104.0 79.4 119.2
192 18.1 13.4 20.2



#37
Ethyl Acetate
Concen: 2.120 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
61 14.7 76.9 115.3#
70 15.0 8.8 13.2#

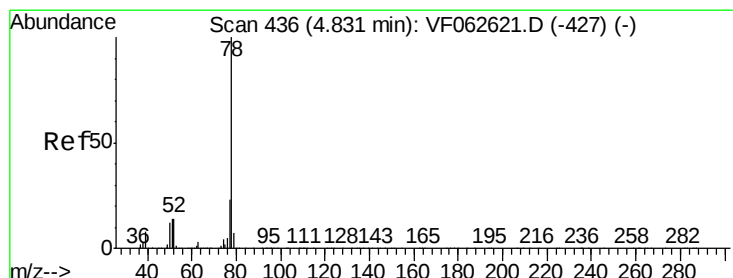
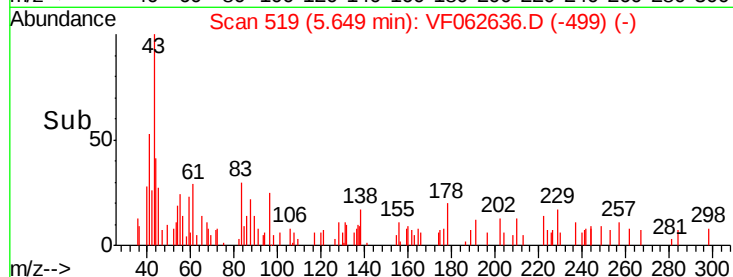
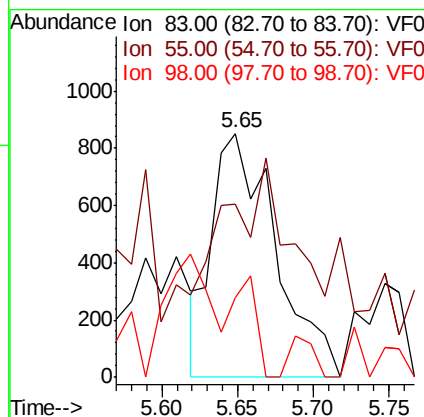
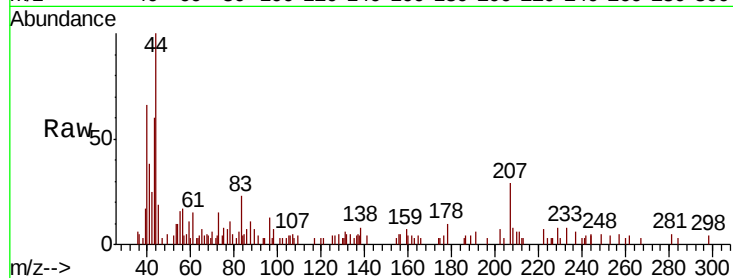




#39
Methylvlcvclohexane
Concen: 2.694 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

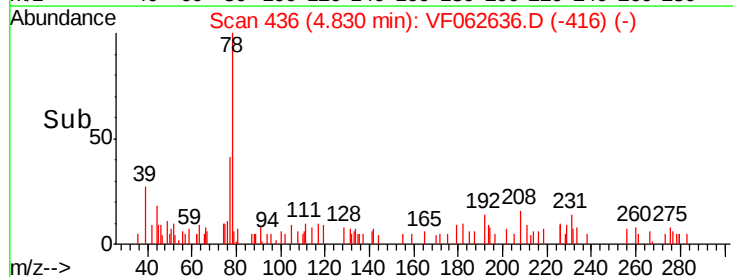
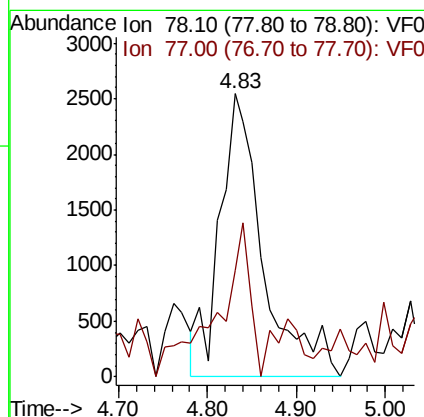
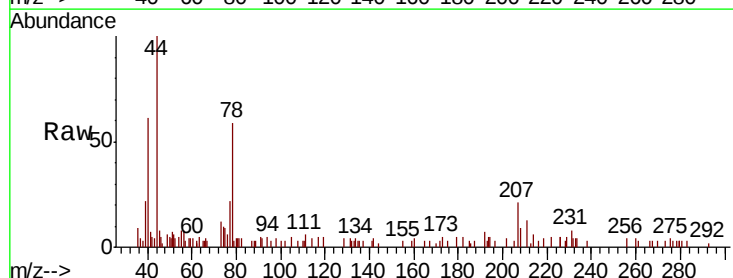
Instrument :
MSVOA_F
ClientSampled :

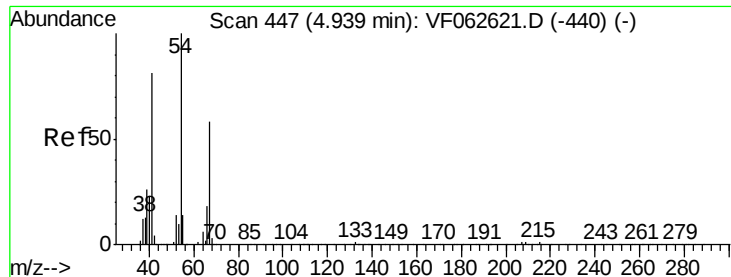
Tot Ion: 83 Resp: 2483
Ion Ratio Lower Upper
83 100
55 70.9 57.9 86.9
98 32.7 34.6 52.0#



#40
Benzene
Concen: 4.172 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 78 Resp: 8705
Ion Ratio Lower Upper
78 100
77 37.8 18.2 27.2#

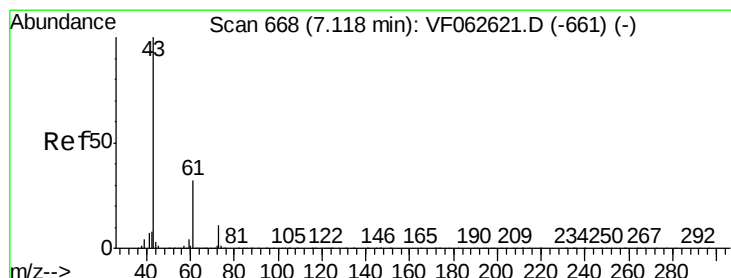
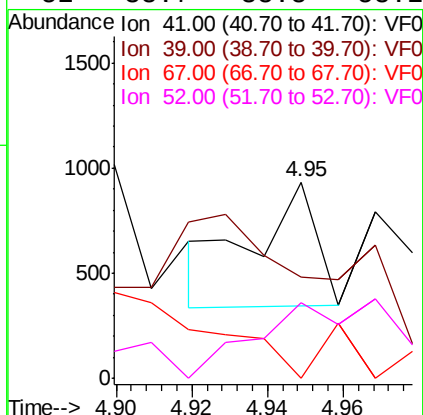
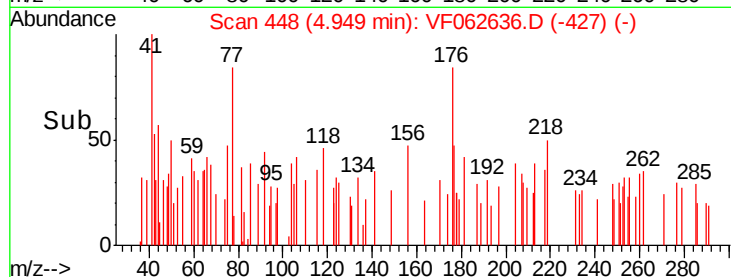
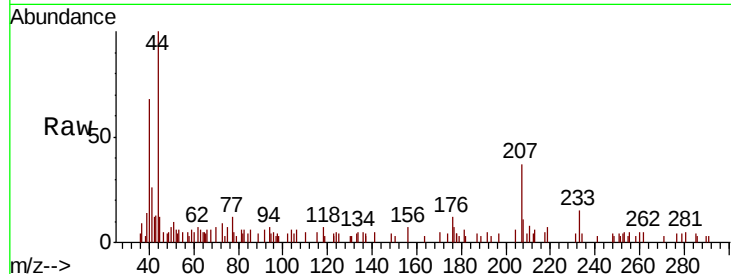




#41
Methacrylonitrile
Concen: 4.123 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

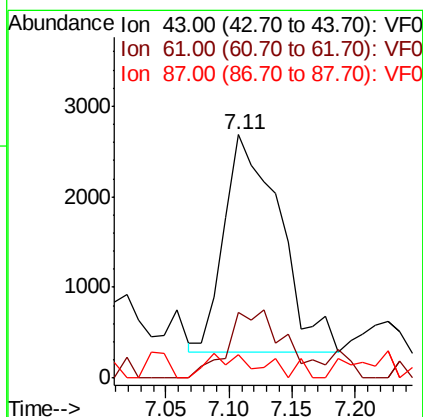
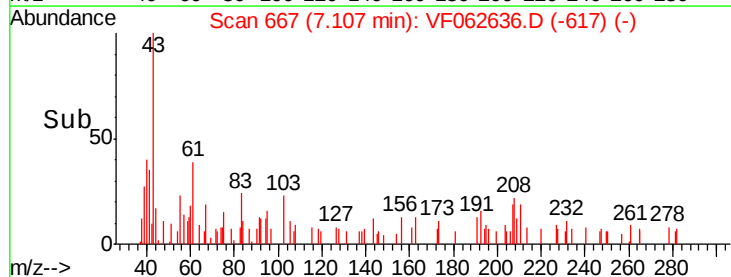
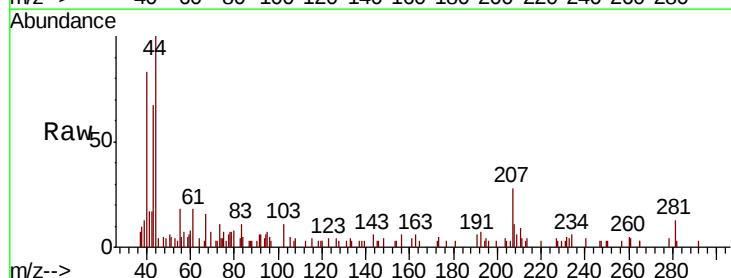
Instrument :
MSVOA_F
ClientSampled :

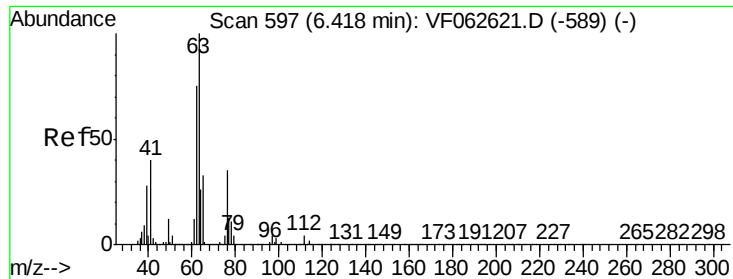
Tot Ion: 41 Resp: 676
Ion Ratio Lower Upper
41 100
39 51.4 42.2 63.2
67 0.0 56.4 84.6#
52 38.7 38.8 58.2#



#43
Isopropyl Acetate
Concen: 18.079 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 43 Resp: 7325
Ion Ratio Lower Upper
43 100
61 27.1 25.8 38.8
87 9.6 0.4 0.6#





#45

1,2-Dichloropropane

Concen: 1.420 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.04 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

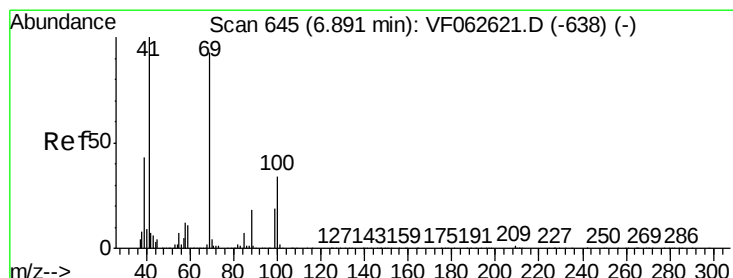
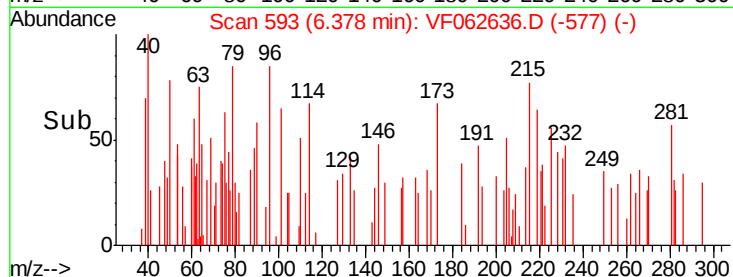
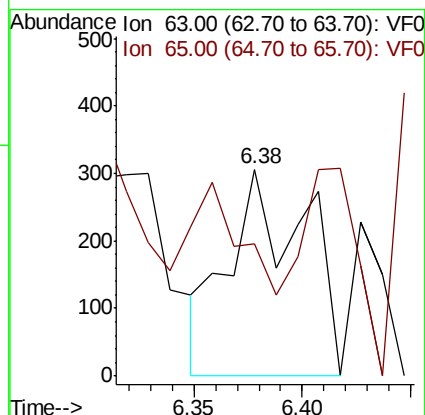
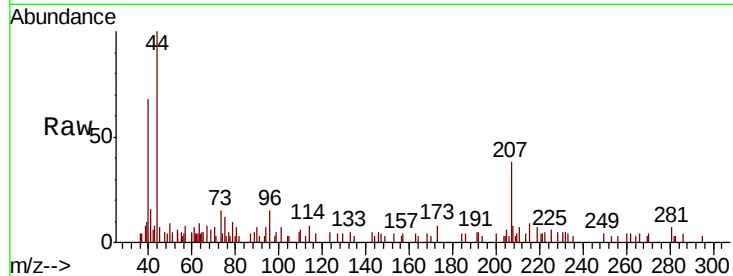
ClientSampleId :

Tot Ion: 63 Resp: 748

Ion Ratio Lower Upper

63 100

65 63.7 26.3 39.5#



#48

Methyl methacrylate

Concen: 17.396 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

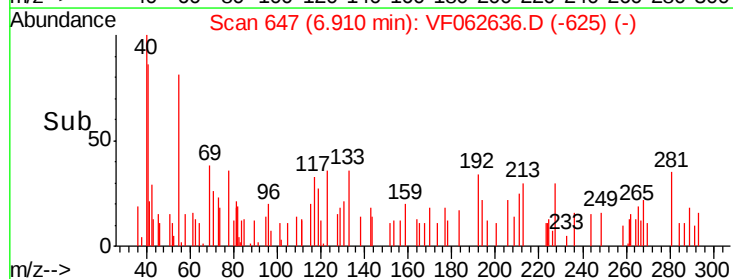
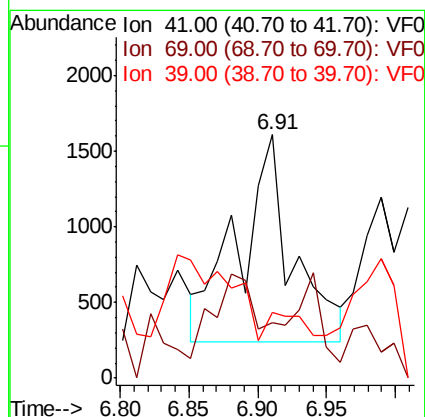
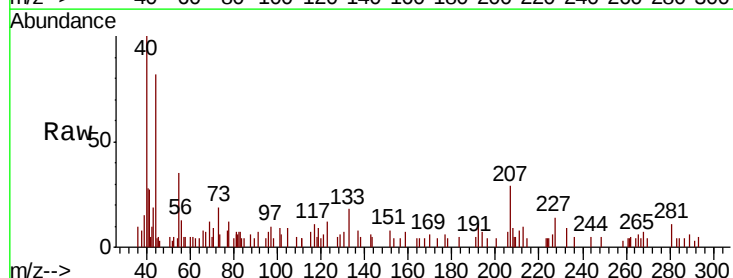
Tgt Ion: 41 Resp: 3684

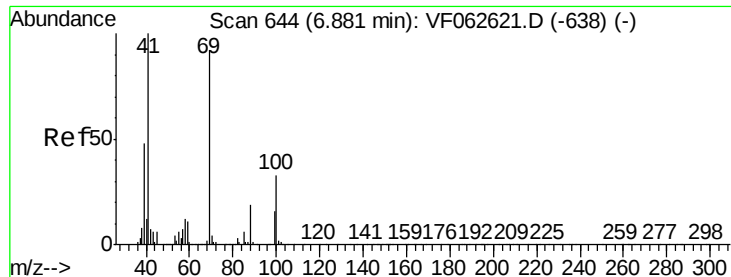
Ion Ratio Lower Upper

41 100

69 22.6 74.2 111.2#

39 26.8 34.2 51.4#





#49

1,4-Dioxane

Concen: 235.592 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

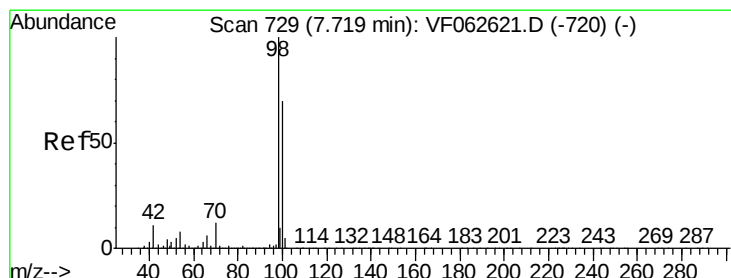
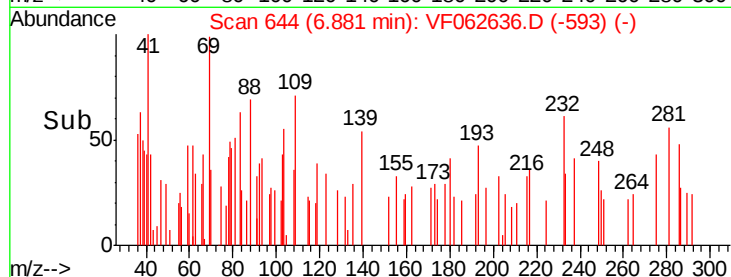
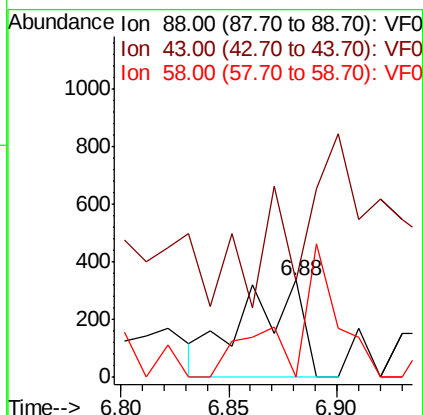
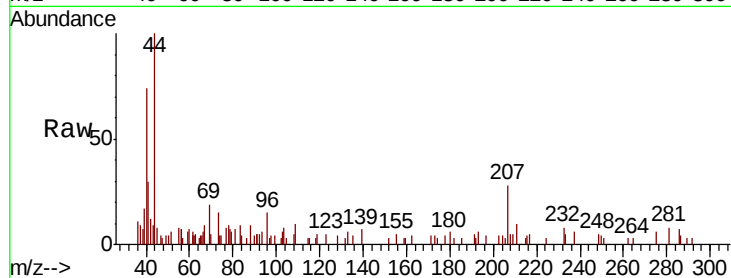
Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 639

Ion	Ratio	Lower	Upper
88	100		
43	99.1	30.0	45.0#
58	0.0	51.1	76.7#



#50

Toluene-d8

Concen: 41.862 ug/l

RT: 7.72 min Scan# 729

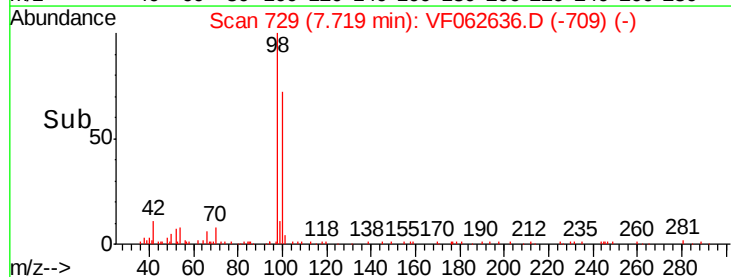
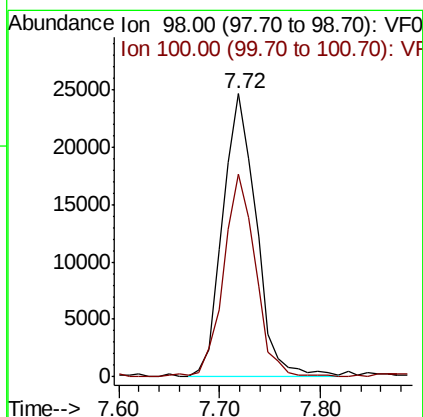
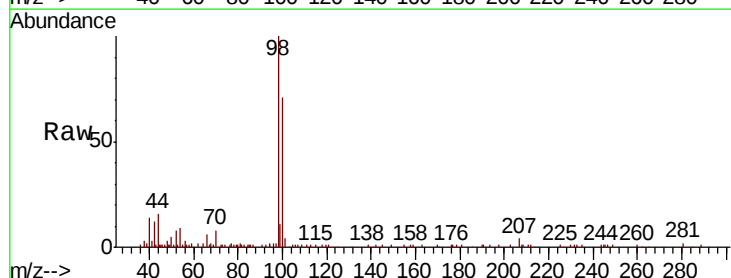
Delta R.T. -0.00 min

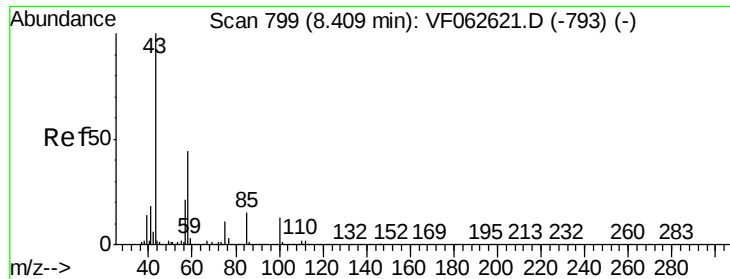
Lab File: VF062636.D

Acq: 17 May 2019 13:42

Tgt Ion: 98 Resp: 57169

Ion	Ratio	Lower	Upper
98	100		
100	71.4	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 82.018 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

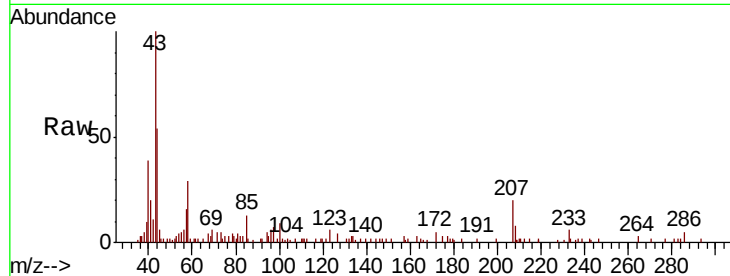
ClientSampleId :

Tot Ion: 43 Resp: 22714

Ion Ratio Lower Upper

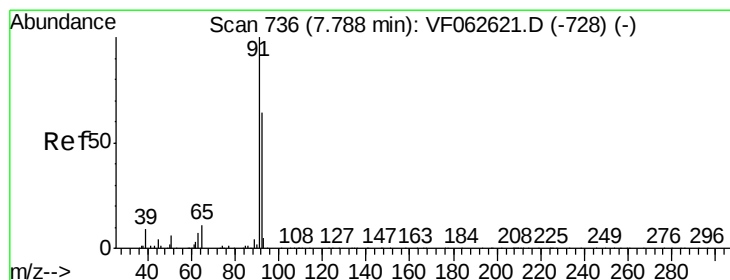
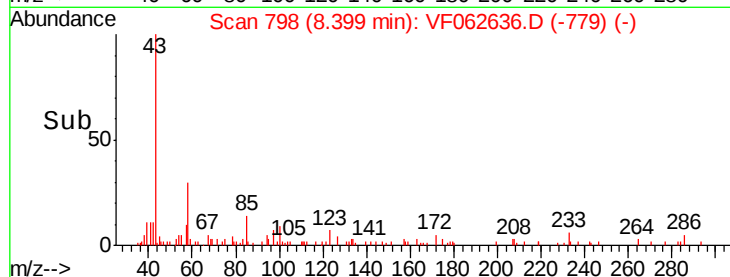
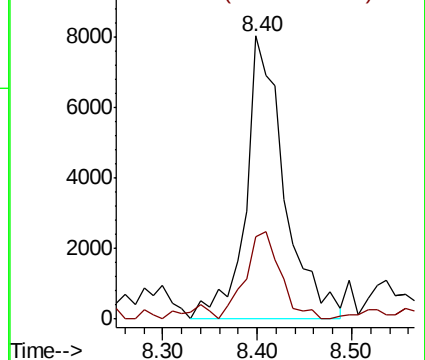
43 100

58 29.3 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 8.645 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062636.D

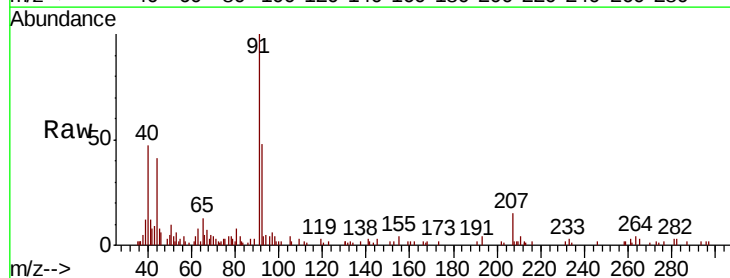
Acq: 17 May 2019 13:42

Tgt Ion: 92 Resp: 9460

Ion Ratio Lower Upper

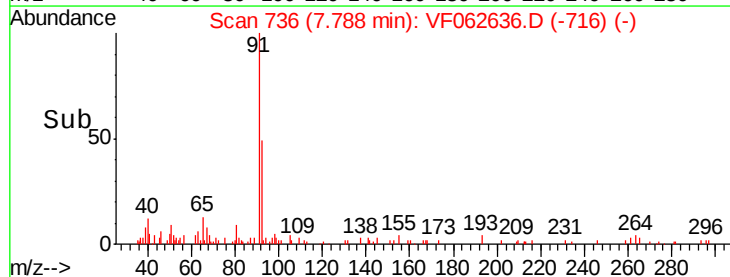
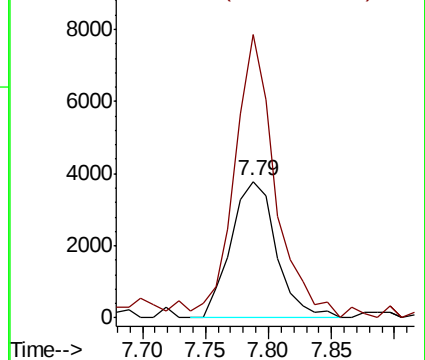
92 100

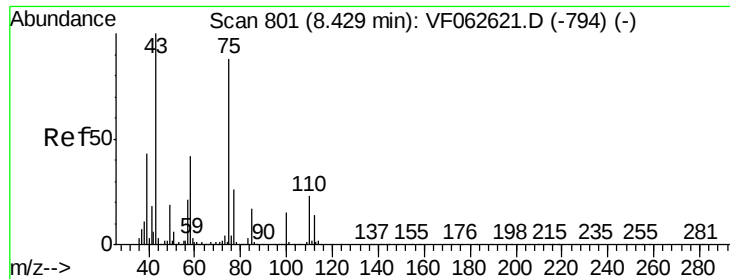
91 207.6 125.4 188.0#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 2.437 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

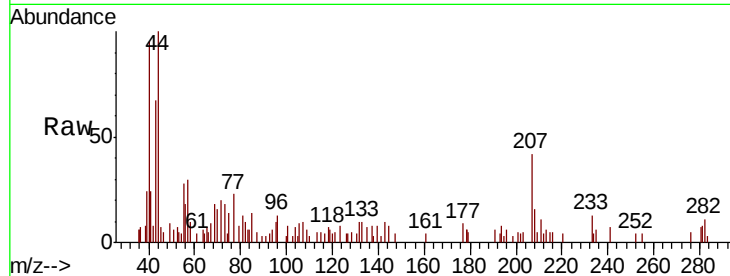
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 1260

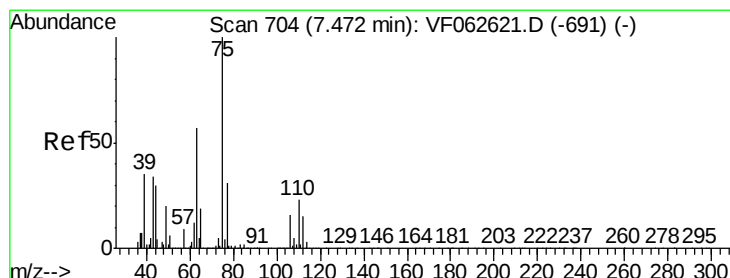
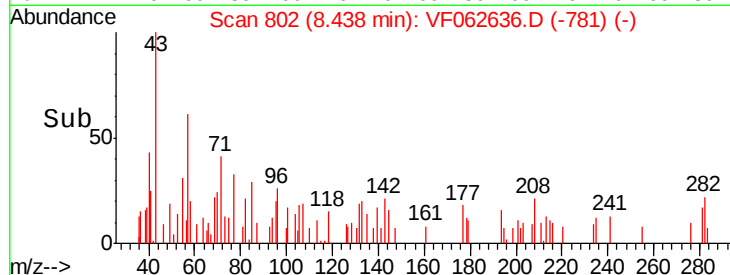
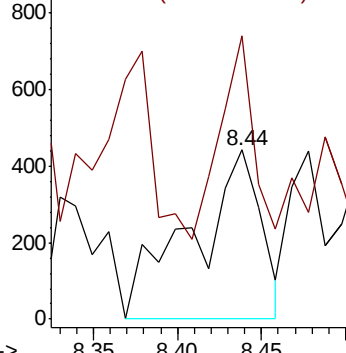
Ion Ratio Lower Upper

75 100

77 167.2 24.2 36.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 1.586 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

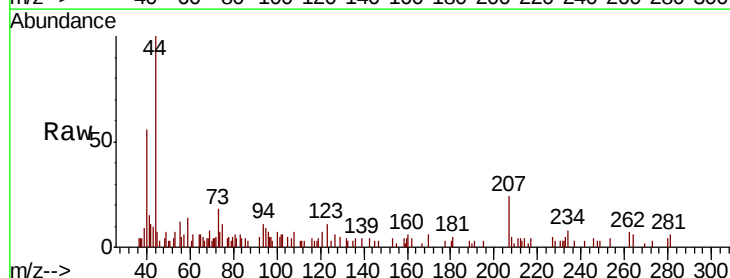
Tgt Ion: 75 Resp: 1148

Ion Ratio Lower Upper

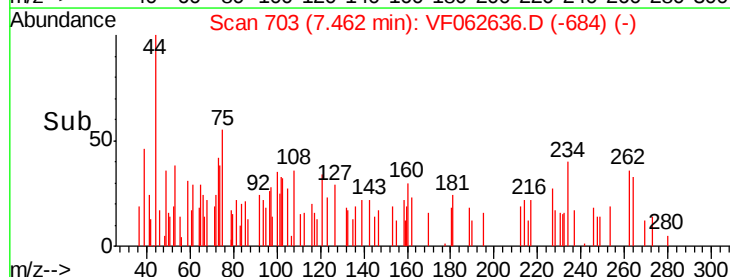
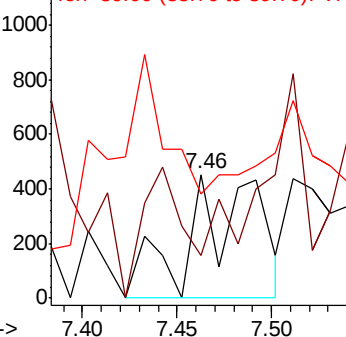
75 100

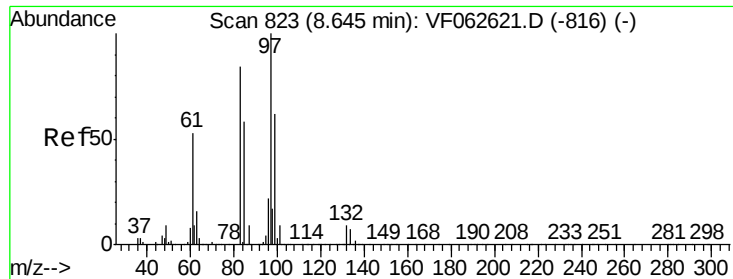
77 34.9 25.3 37.9

39 83.9 28.2 42.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.176 ug/l

RT: 8.63 min Scan# 821

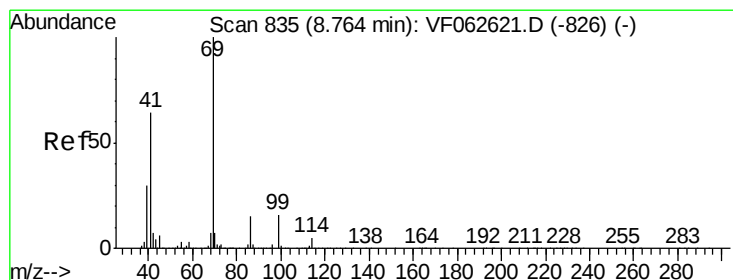
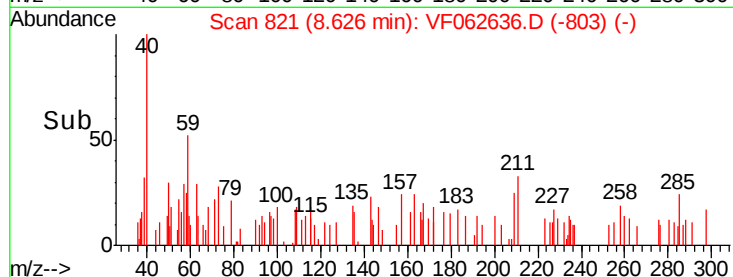
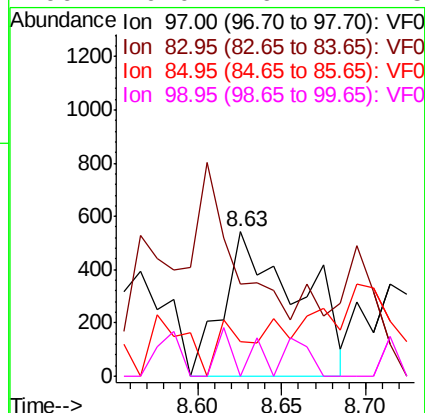
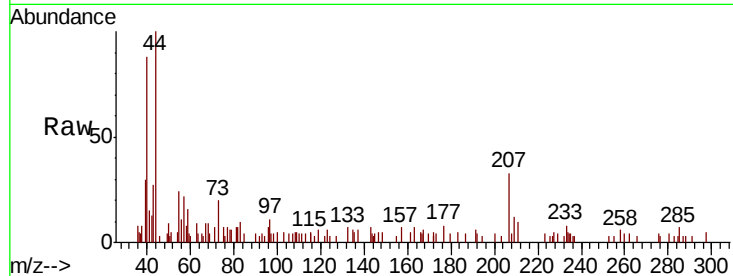
Delta R.T. -0.02 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	97	Resp:	1677
Ion	Ratio	Lower	Upper
97	100		
83	64.0	67.3	100.9#
85	23.8	46.6	69.8#
99	0.0	49.7	74.5#



#56

Ethyl methacrylate

Concen: 22.830 ug/l

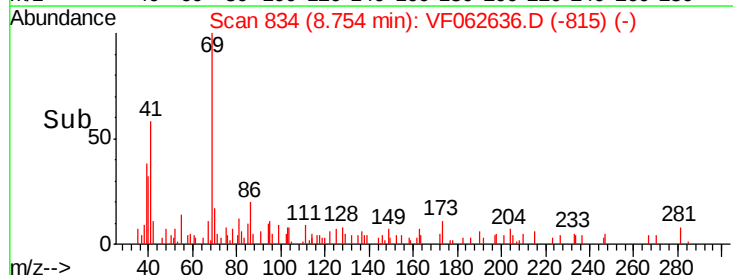
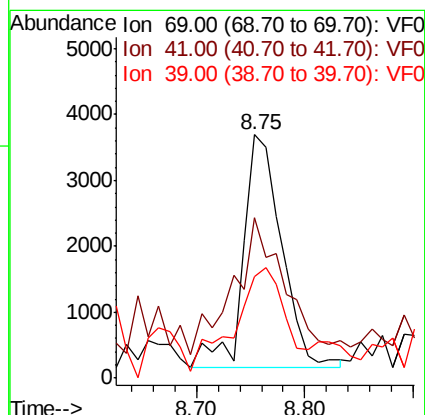
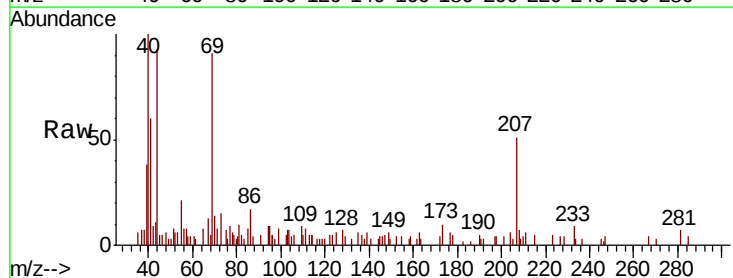
RT: 8.75 min Scan# 834

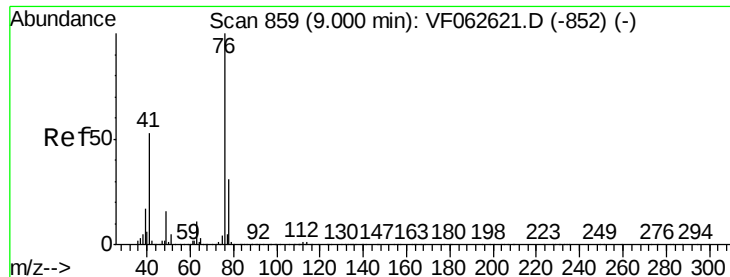
Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Tgt Ion:	69	Resp:	8813
Ion	Ratio	Lower	Upper
69	100		
41	65.6	51.4	77.2
39	41.5	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 3.160 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

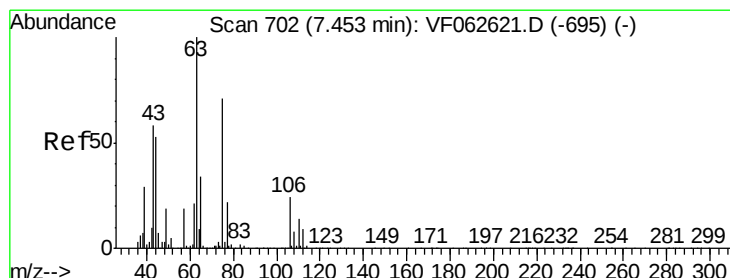
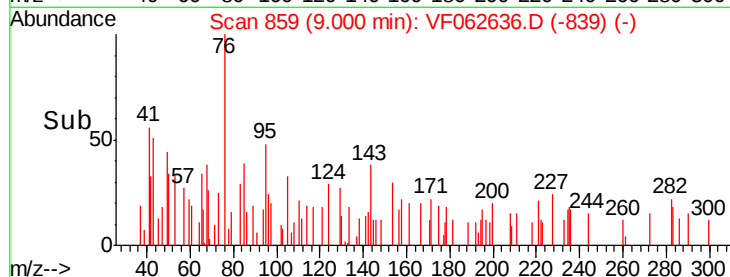
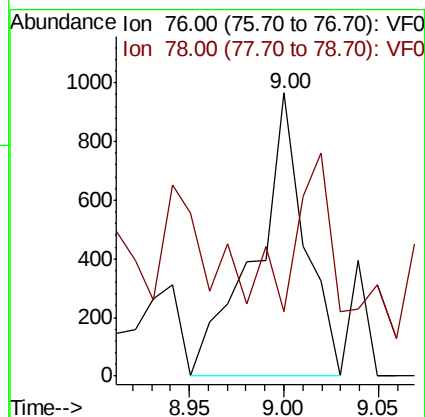
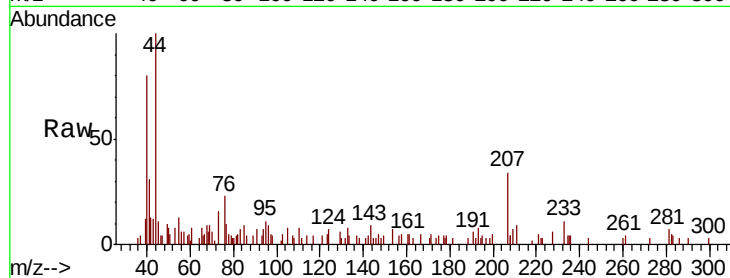
ClientSampled :

Tot Ion: 76 Resp: 1744

Ion Ratio Lower Upper

76 100

78 22.7 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 4.329 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062636.D

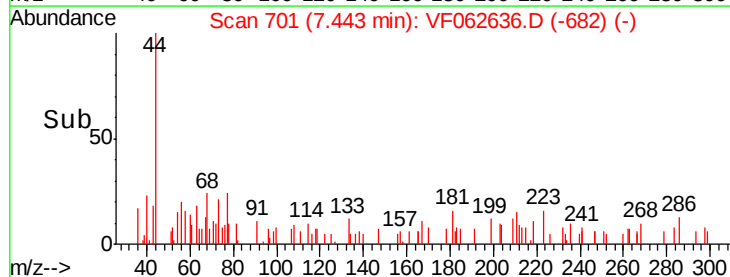
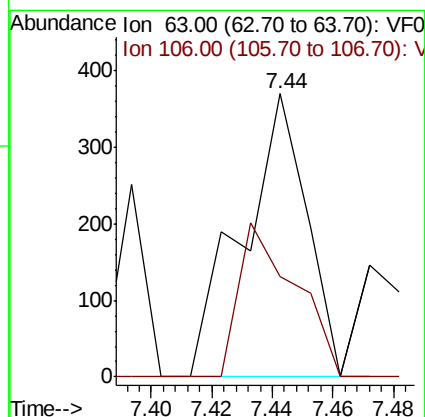
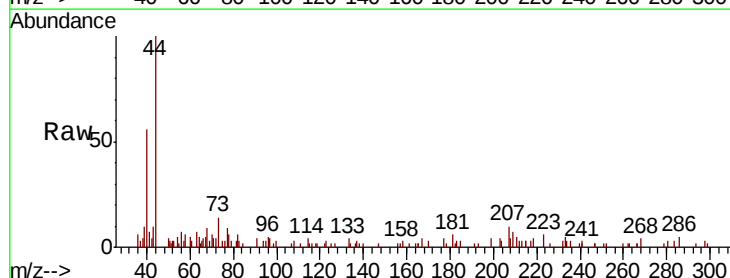
Acq: 17 May 2019 13:42

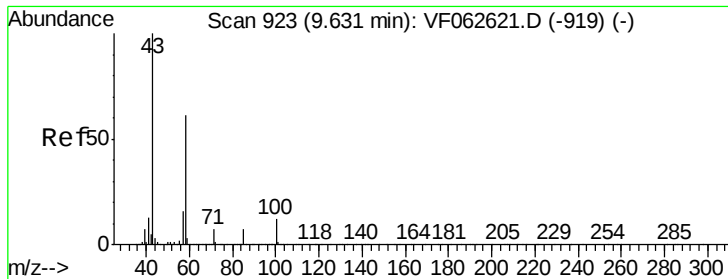
Tgt Ion: 63 Resp: 544

Ion Ratio Lower Upper

63 100

106 35.7 19.1 28.7#

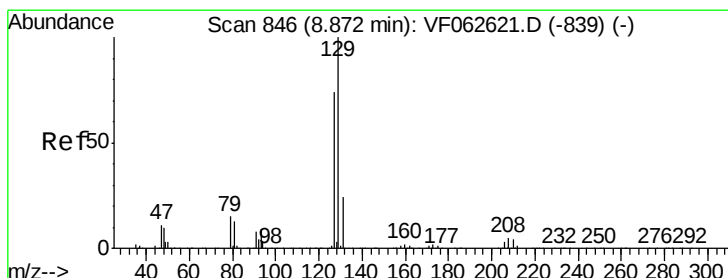
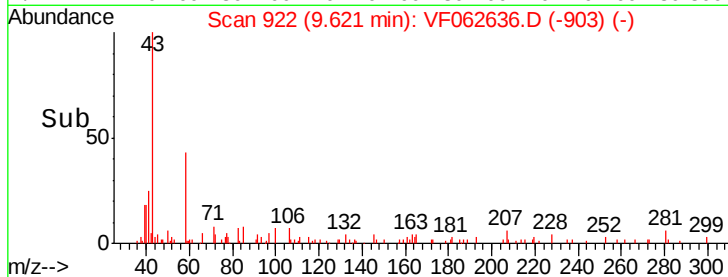
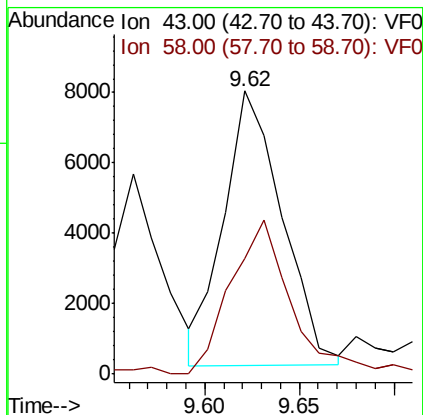
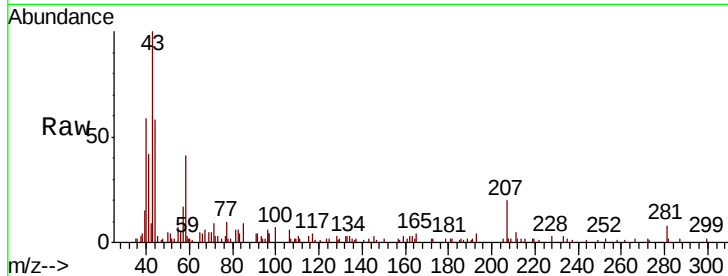




#59
2-Hexanone
Concen: 80.875 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

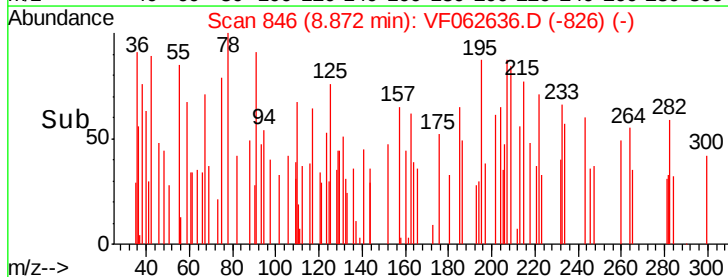
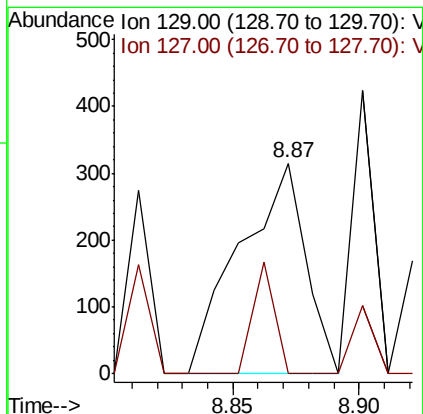
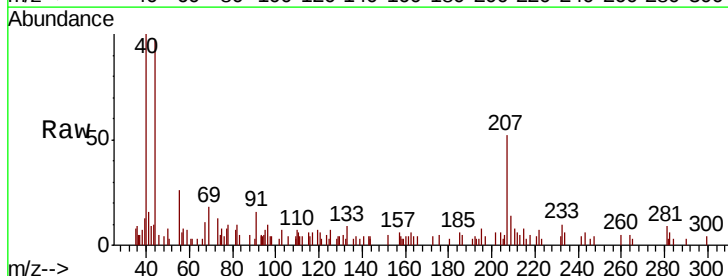
Instrument :
MSVOA_F
ClientSampled :

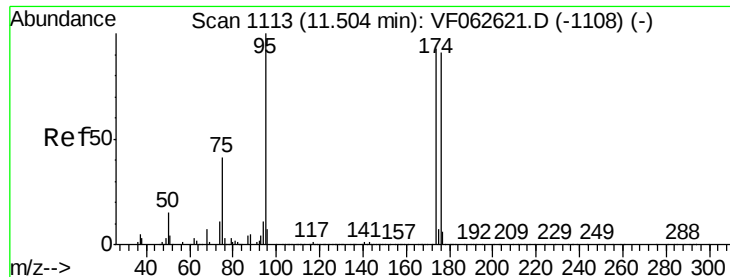
Tot Ion: 43 Resp: 16745
Ion Ratio Lower Upper
43 100
58 40.7 28.1 84.4



#60
Dibromochloromethane
Concen: 1.362 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 129 Resp: 575
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#62

4-Bromofluorobenzene

Concen: 27.400 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

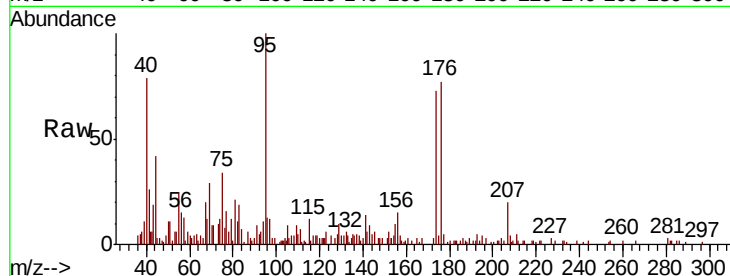
Tot Ion: 95 Resp: 14192

Ion Ratio Lower Upper

95 100

174 73.1 0.0 185.6

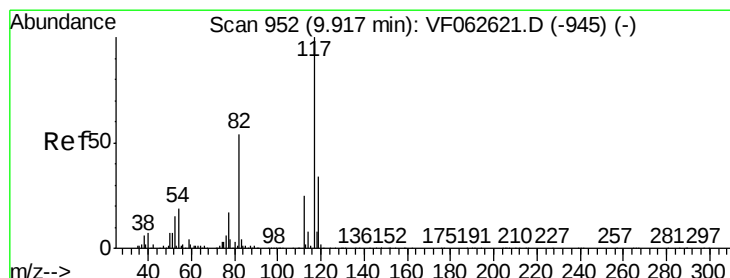
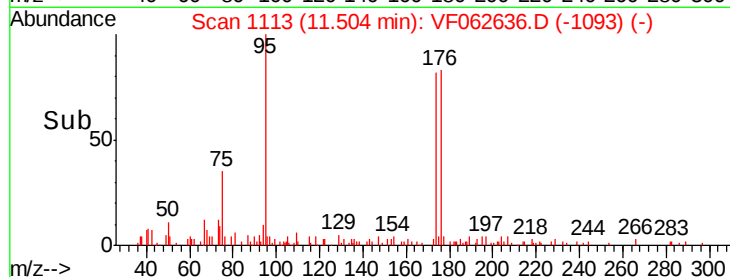
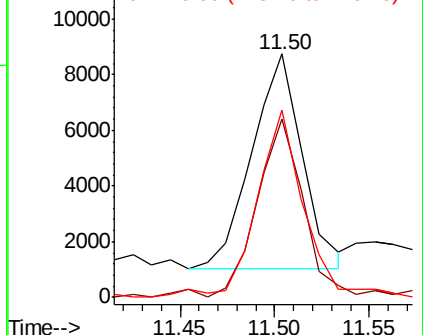
176 76.8 0.0 182.4



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: 9.92 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

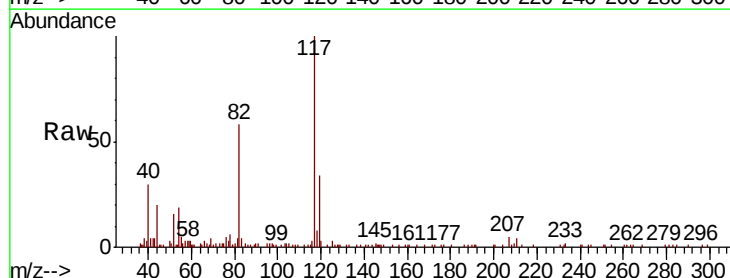
Tgt Ion: 117 Resp: 42104

Ion Ratio Lower Upper

117 100

82 57.6 43.3 64.9

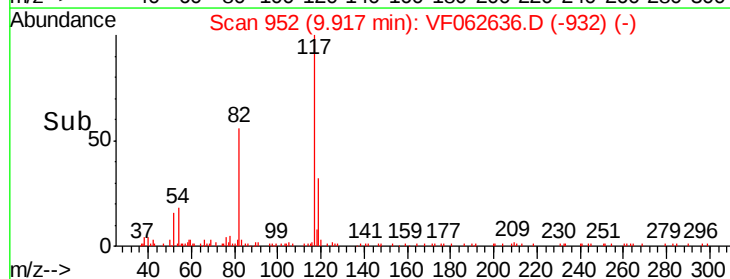
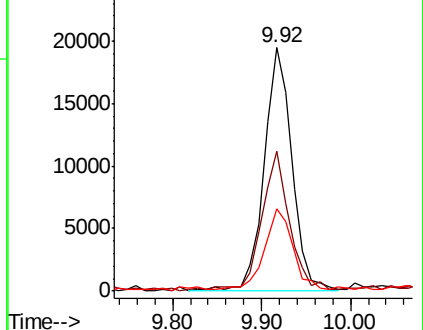
119 33.8 27.4 41.0

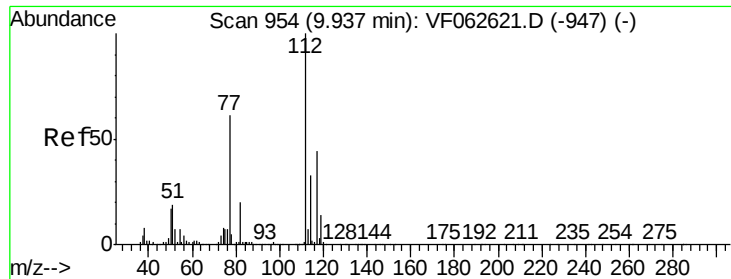


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

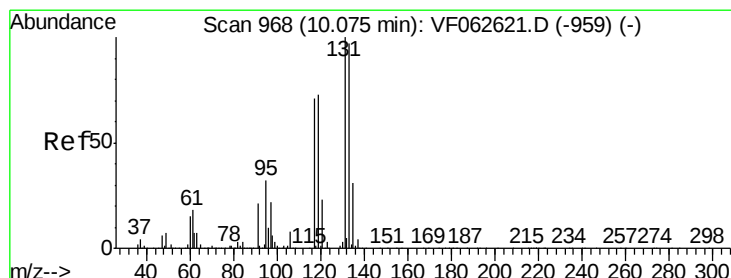
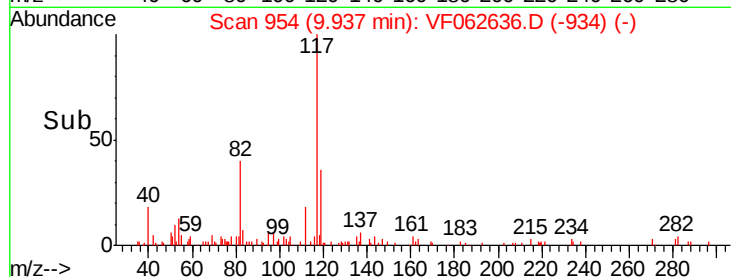
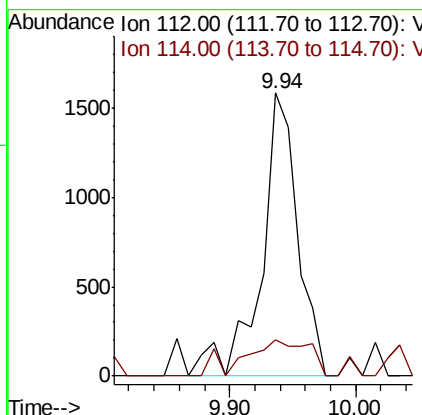
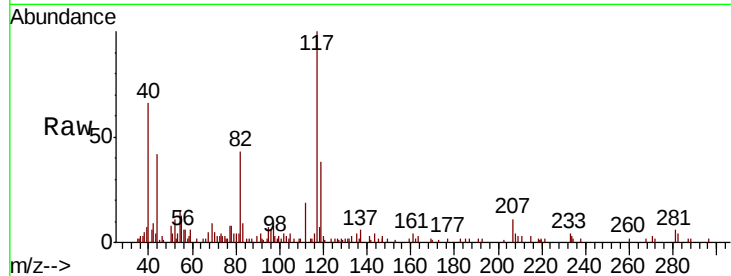




#65
Chlorobenzene
Concen: 3.855 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

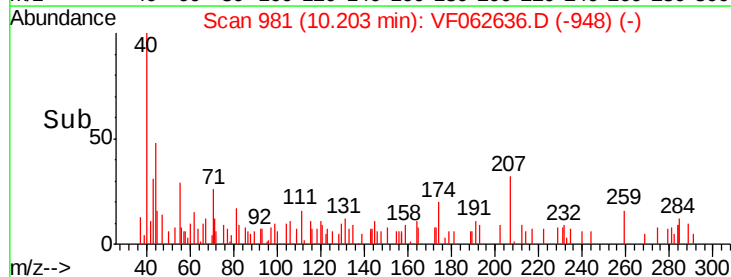
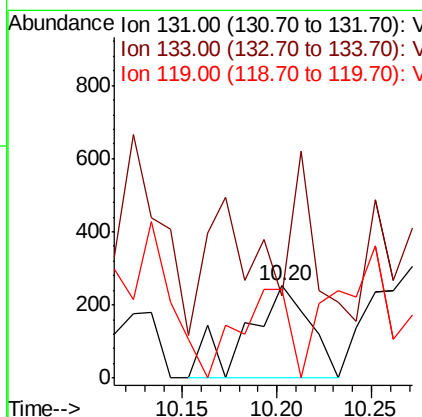
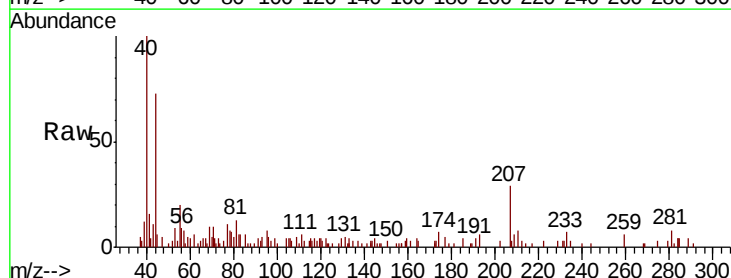
Instrument :
MSVOA_F
ClientSampleId :

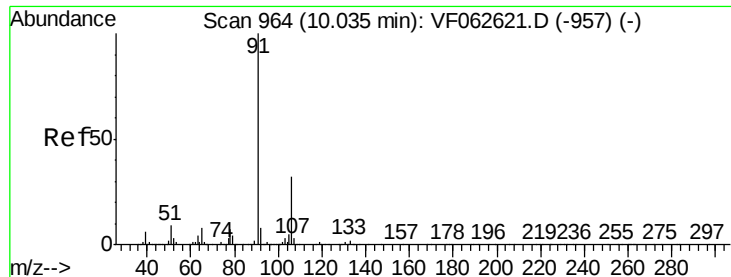
Tot Ion:112 Resp: 3188
Ion Ratio Lower Upper
112 100
114 12.6 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 1.771 ug/l
RT: 10.20 min Scan# 981
Delta R.T. 0.13 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion:131 Resp: 588
Ion Ratio Lower Upper
131 100
133 89.7 48.5 145.5
119 96.8 36.8 110.4





#67

Ethyl Benzene

Concen: 8.293 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

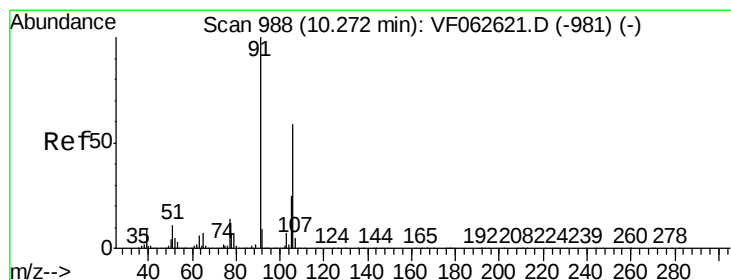
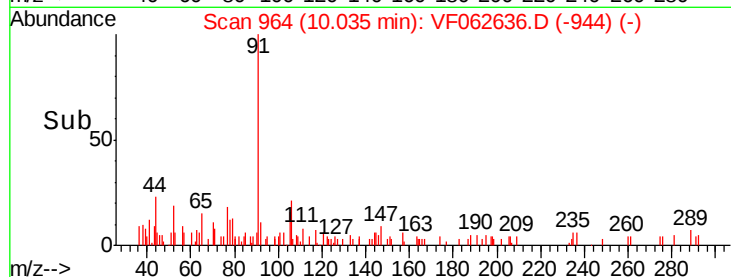
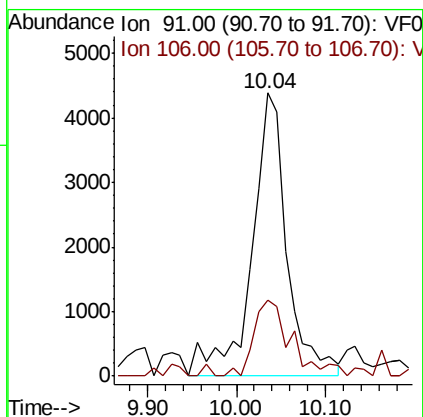
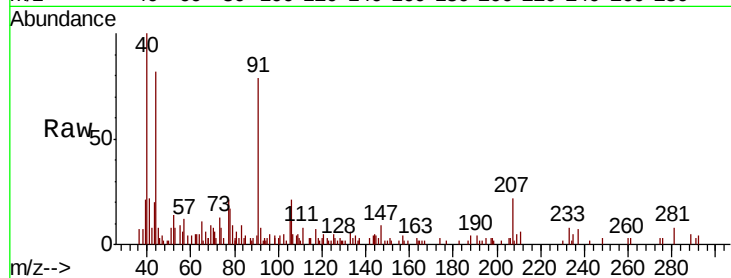
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 11914

Ion Ratio Lower Upper

91 100

106 27.1 25.8 38.8



#68

m/p-Xylenes

Concen: 19.443 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062636.D

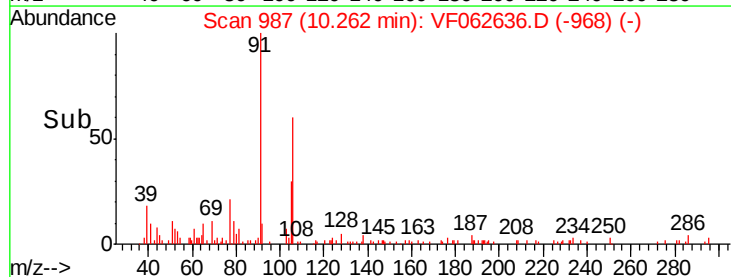
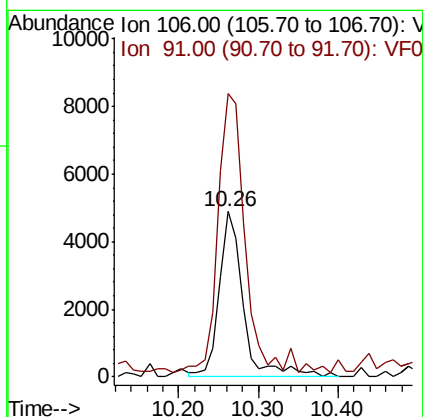
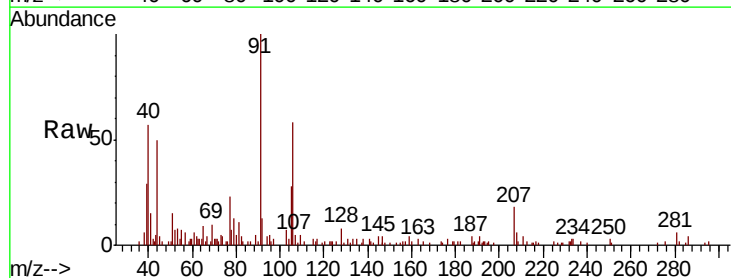
Acq: 17 May 2019 13:42

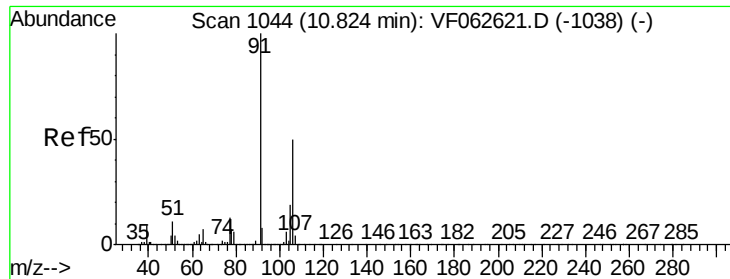
Tgt Ion: 106 Resp: 10498

Ion Ratio Lower Upper

106 100

91 171.2 136.9 205.3

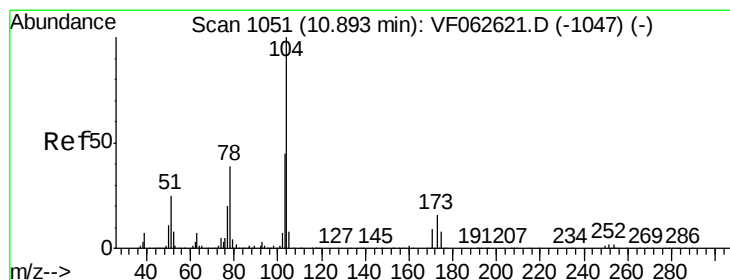
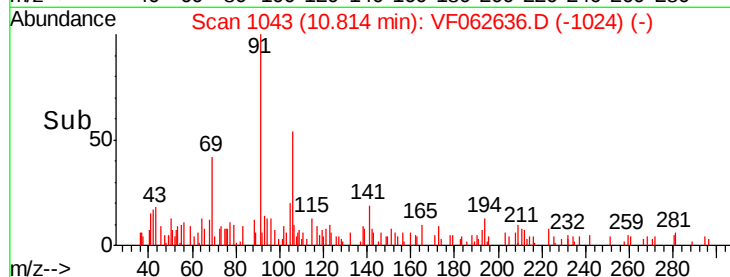
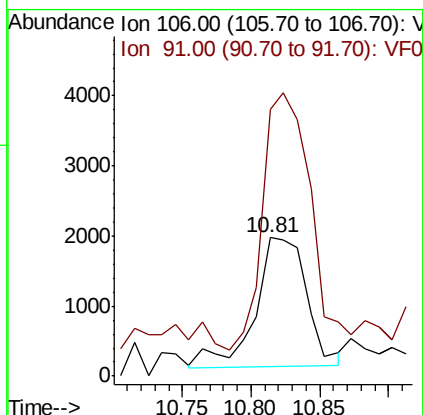
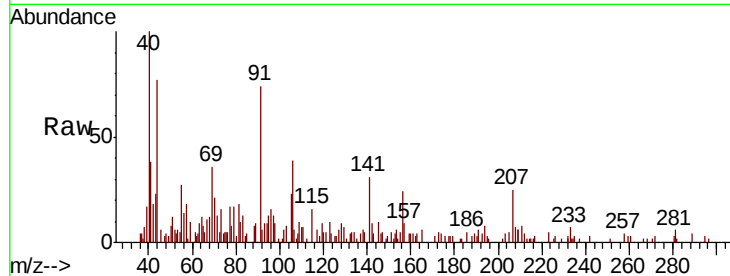




#69
o-Xylene
Concen: 8.615 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

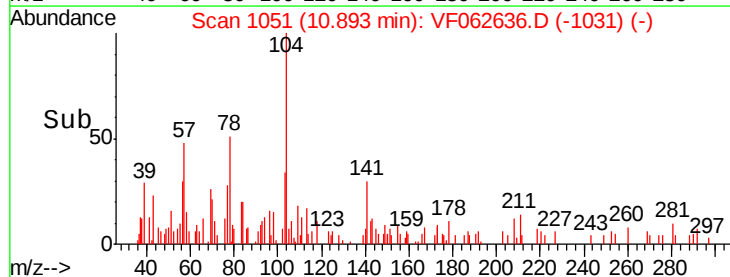
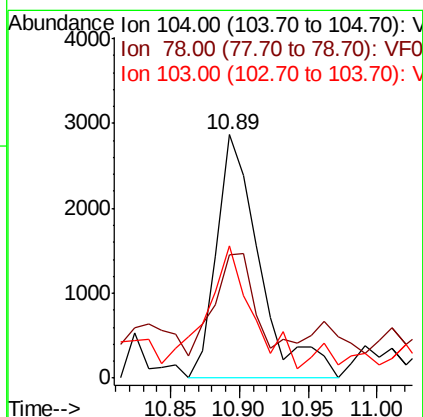
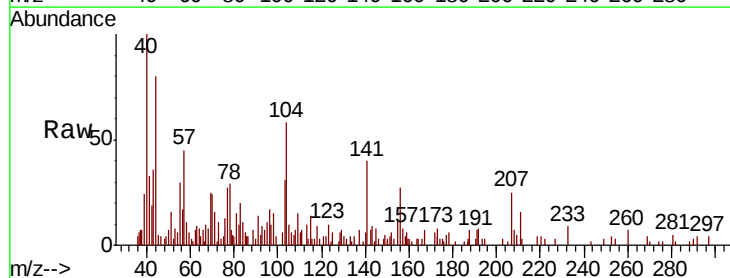
Instrument :
MSVOA_F
ClientSampleId :

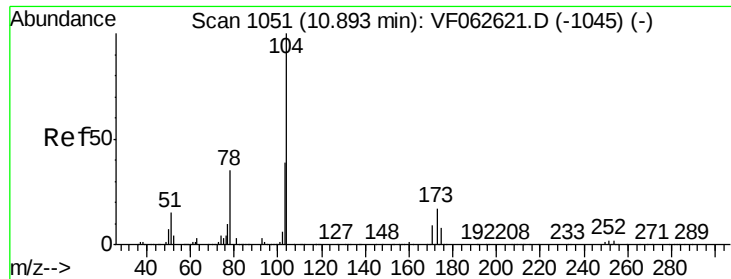
Tot Ion:106 Resp: 4791
Ion Ratio Lower Upper
106 100
91 192.8 100.2 300.5



#70
Styrene
Concen: 7.350 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion:104 Resp: 6213
Ion Ratio Lower Upper
104 100
78 50.9 31.9 47.9#
103 54.5 36.1 54.1#





#71

Bromoform

Concen: 6.345 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

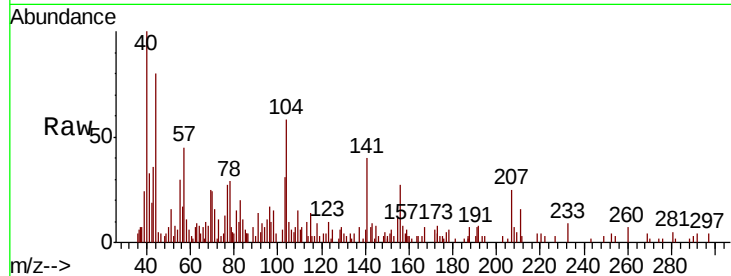
Tot Ion:173 Resp: 1055

Ion Ratio Lower Upper

173 100

175 40.8 25.3 75.9

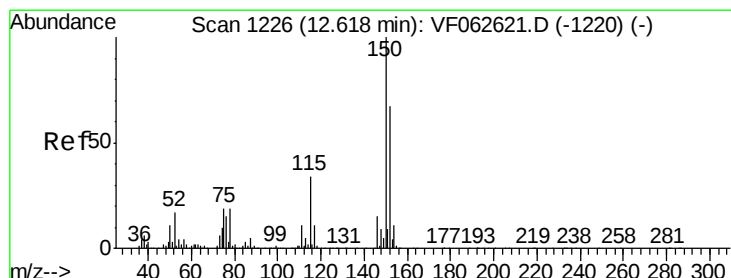
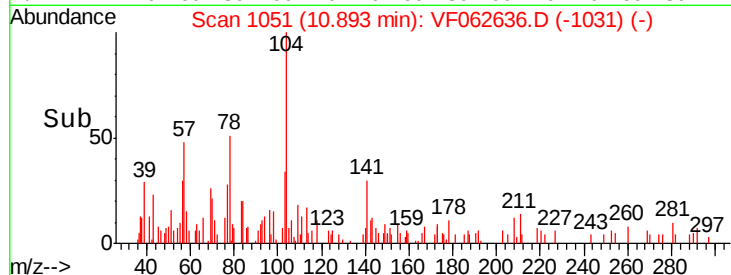
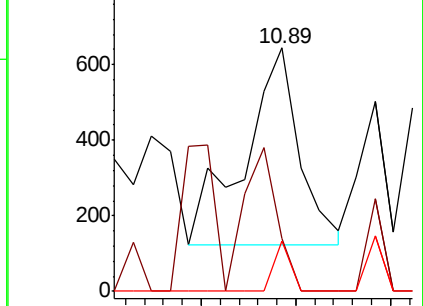
254 21.0 0.2 0.2#



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: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

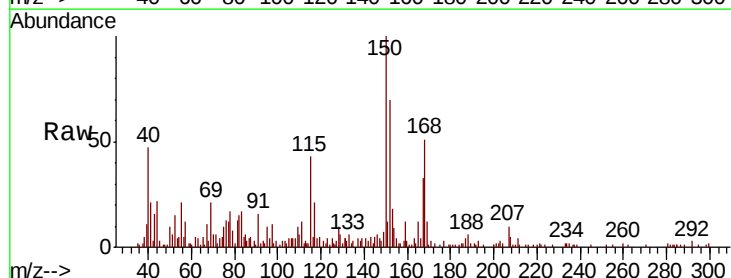
Tgt Ion:152 Resp: 17783

Ion Ratio Lower Upper

152 100

115 61.2 25.2 75.6

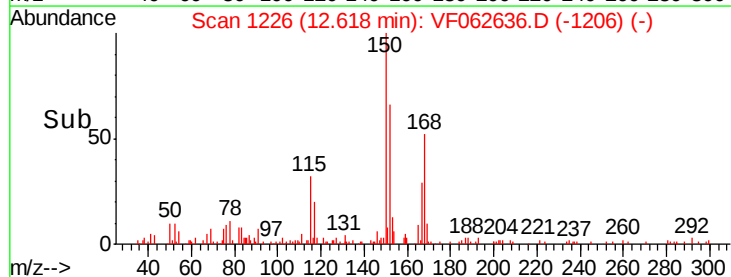
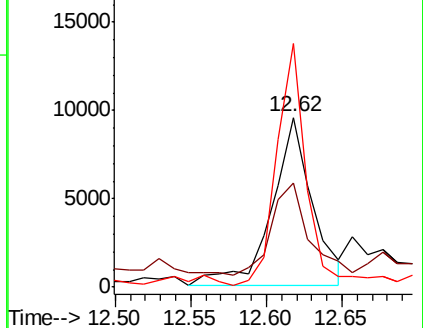
150 143.6 0.0 306.2

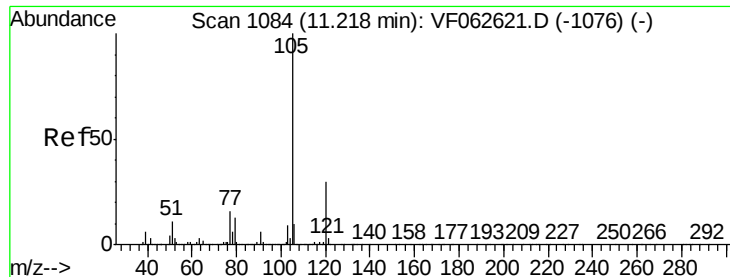


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 14.894 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

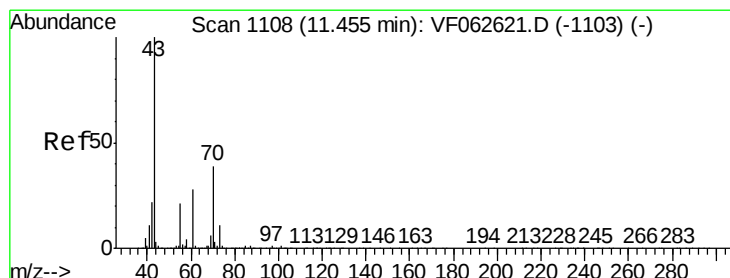
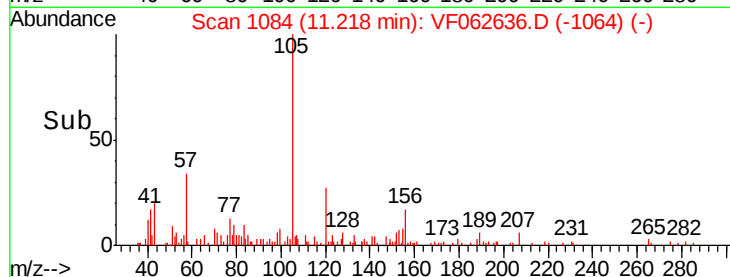
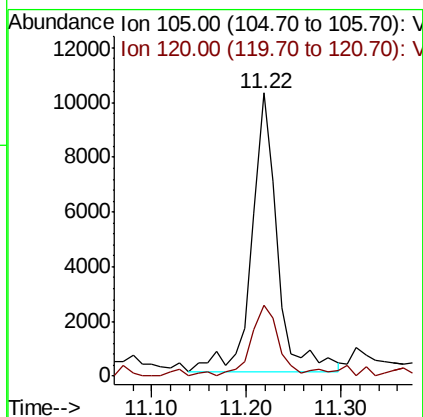
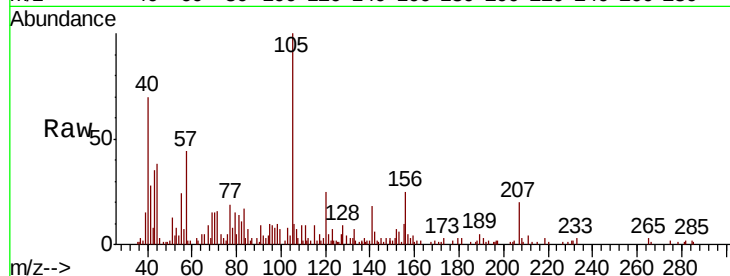
ClientSampleId :

Tot Ion:105 Resp: 18983

Ion Ratio Lower Upper

105 100

120 25.2 14.8 44.4



#74

N-ethyl acetate

Concen: 30.257 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Tgt Ion: 43 Resp: 10503

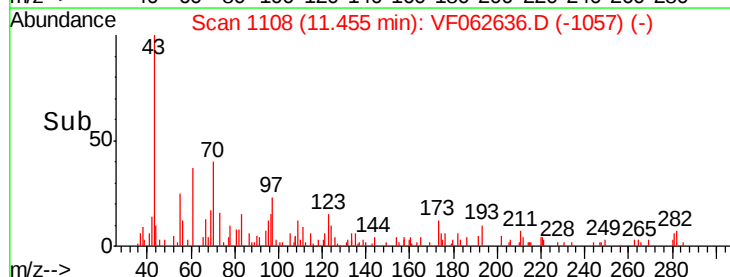
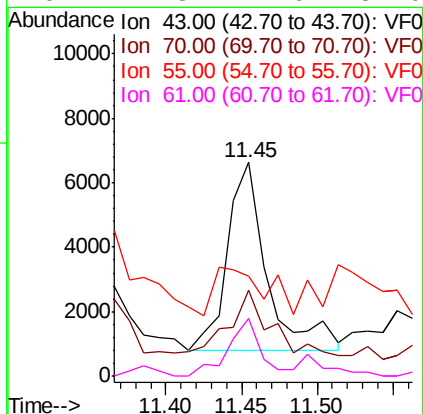
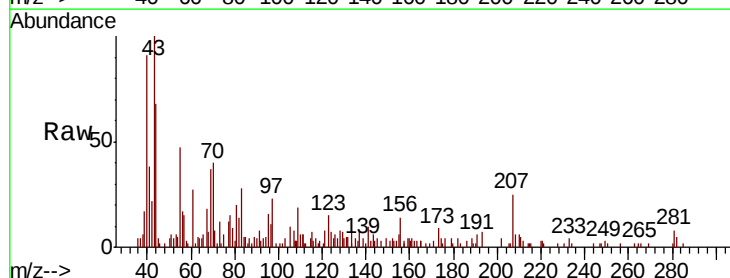
Ion Ratio Lower Upper

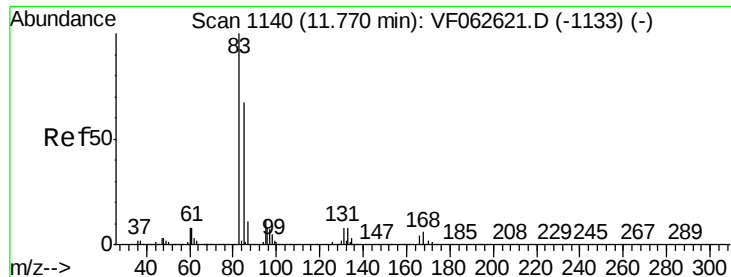
43 100

70 39.9 30.9 46.3

55 46.8 17.0 25.4#

61 27.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 12.297 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

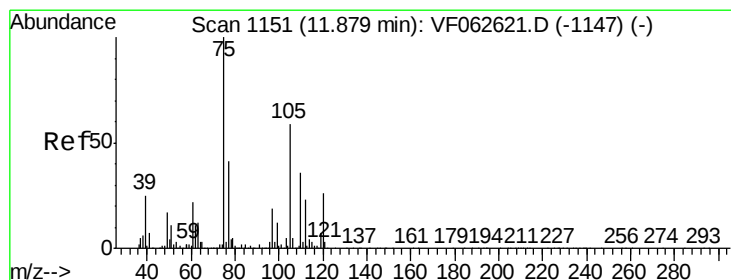
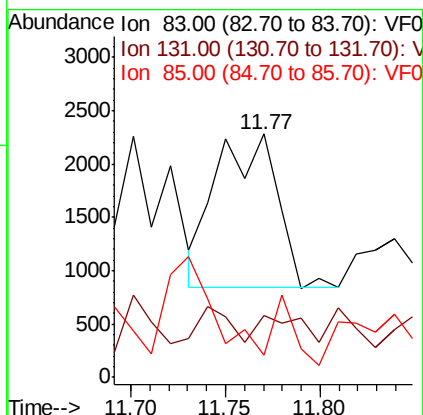
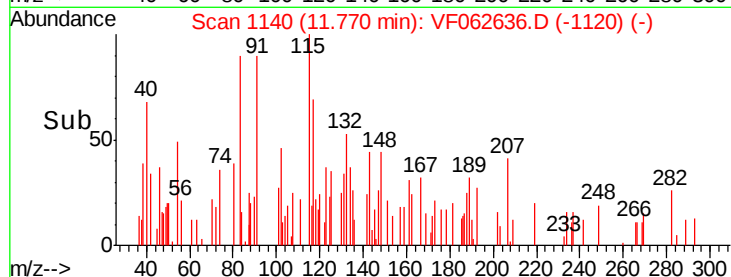
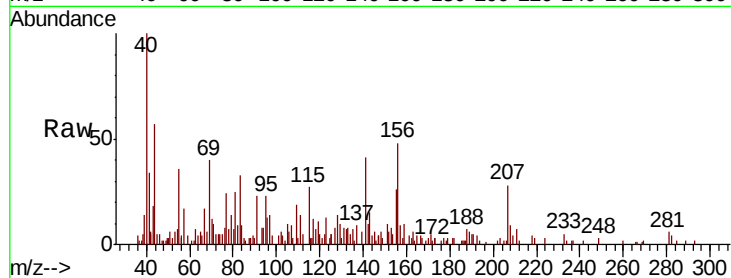
Tot Ion: 83 Resp: 3203

Ion Ratio Lower Upper

83 100

131 25.2 4.0 12.0#

85 9.2 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 7.245 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062636.D

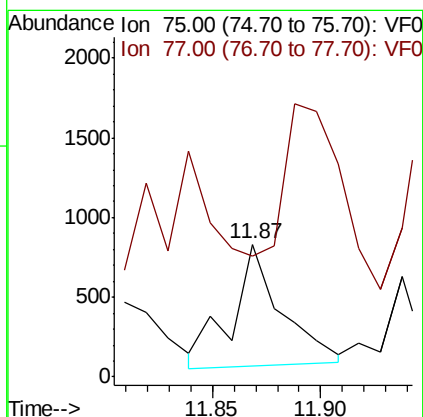
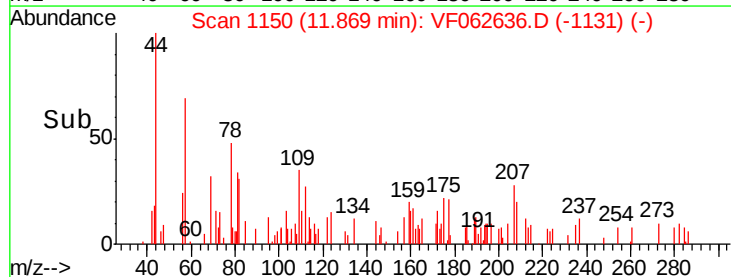
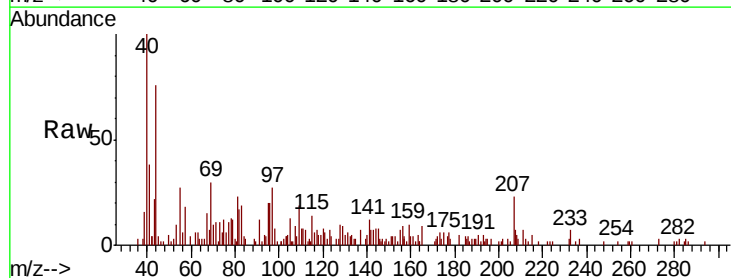
Acq: 17 May 2019 13:42

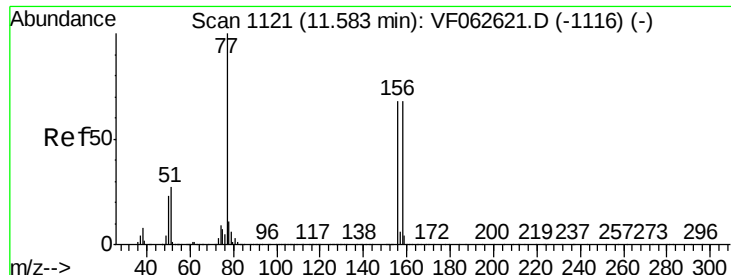
Tgt Ion: 75 Resp: 1240

Ion Ratio Lower Upper

75 100

77 91.4 20.6 61.8#





#77

Bromobenzene

Concen: 91.156 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.04 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

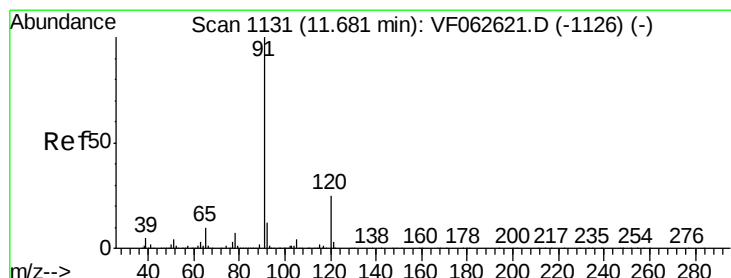
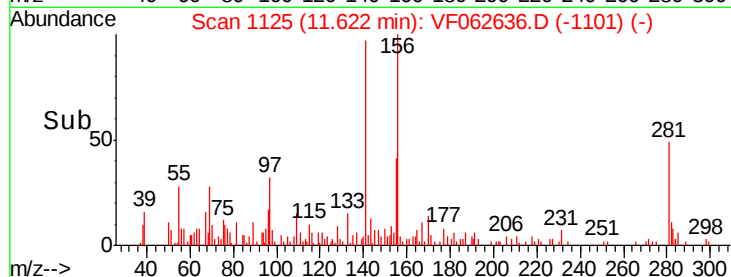
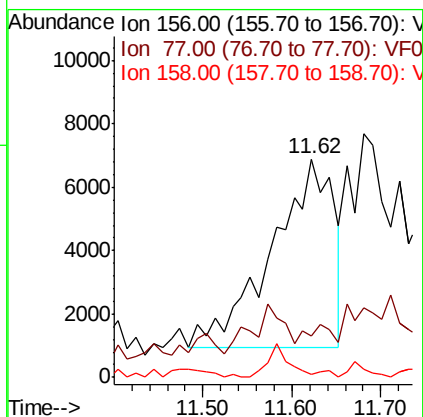
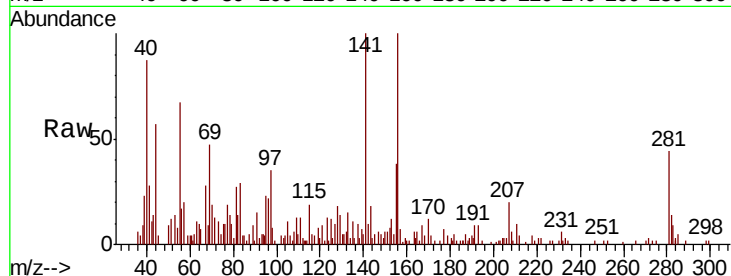
Tot Ion:156 Resp: 28879

Ion Ratio Lower Upper

156 100

77 19.1 73.6 220.8#

158 1.5 49.6 148.8#



#78

n-propylbenzene

Concen: 14.969 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062636.D

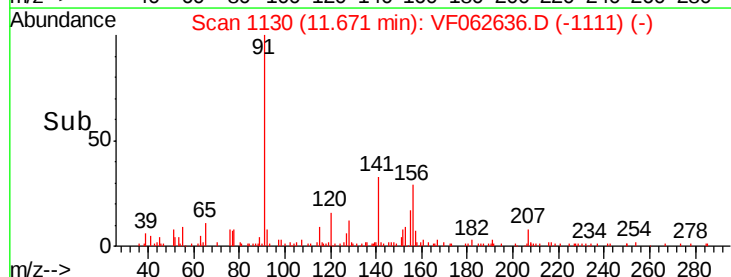
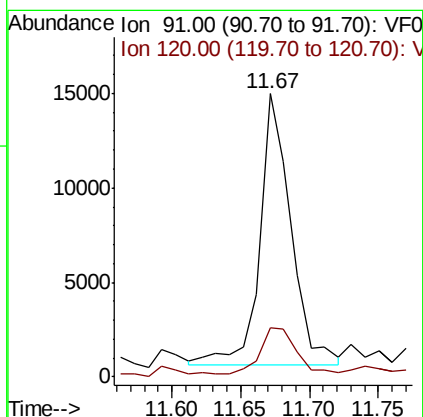
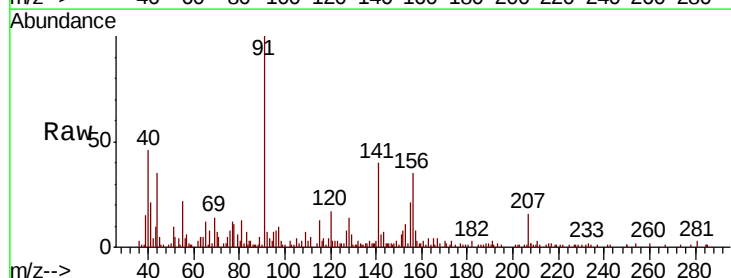
Acq: 17 May 2019 13:42

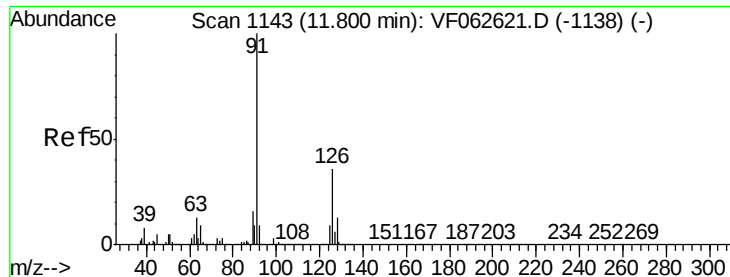
Tgt Ion: 91 Resp: 22579

Ion Ratio Lower Upper

91 100

120 17.2 12.7 38.1

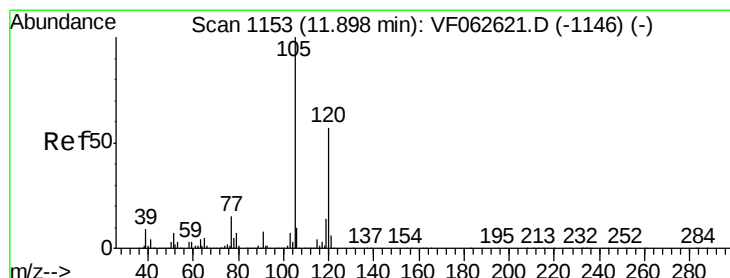
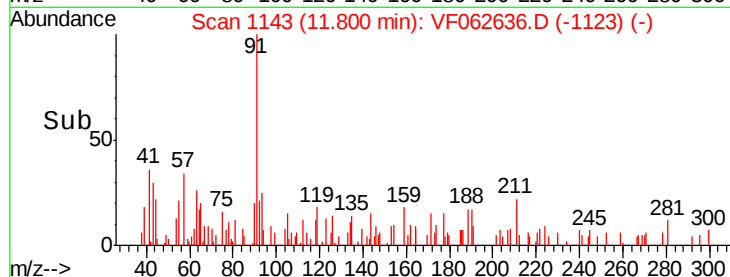
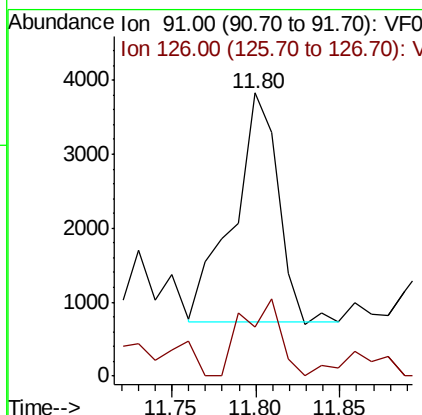
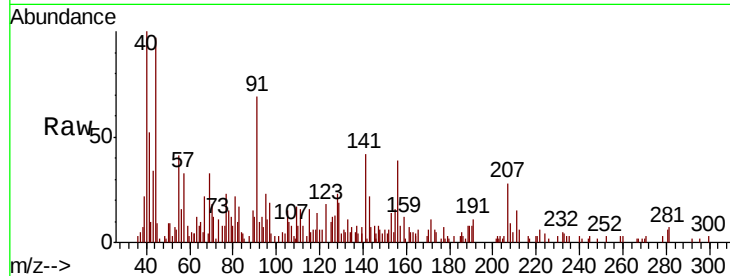




#79
 2-Chlorotoluene
 Concen: 6.735 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

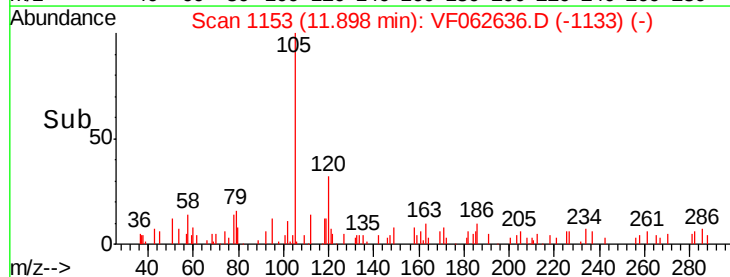
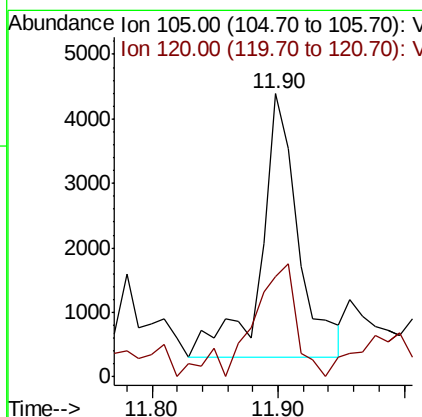
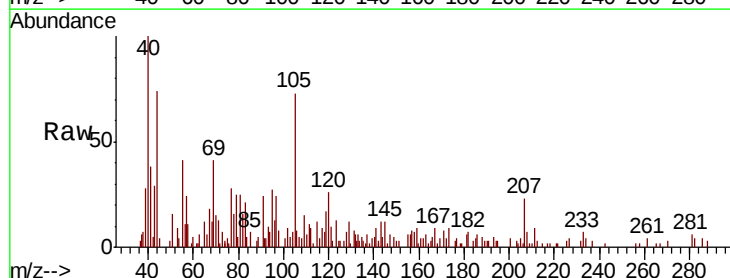
Instrument :
 MSVOA_F
 ClientSampleId :

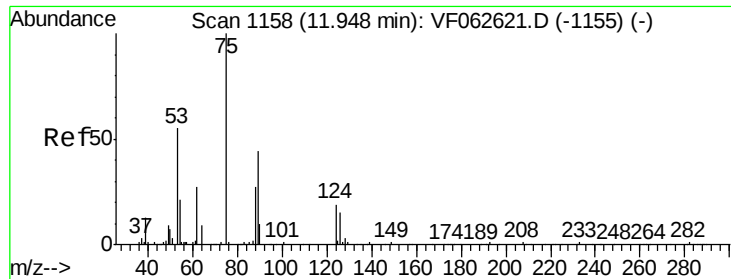
Tot Ion: 91 Resp: 5725
 Ion Ratio Lower Upper
 91 100
 126 17.3 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 8.262 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion: 105 Resp: 8444
 Ion Ratio Lower Upper
 105 100
 120 35.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.942 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampled :

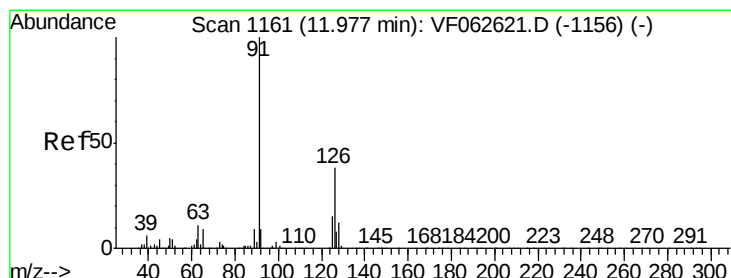
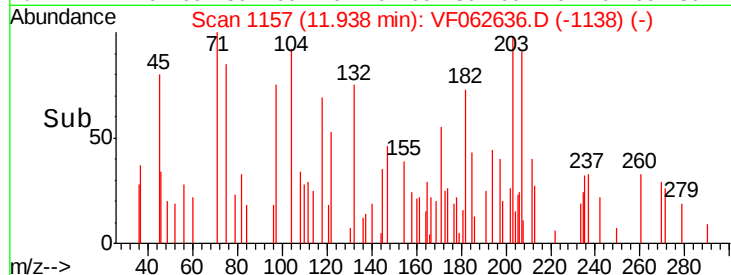
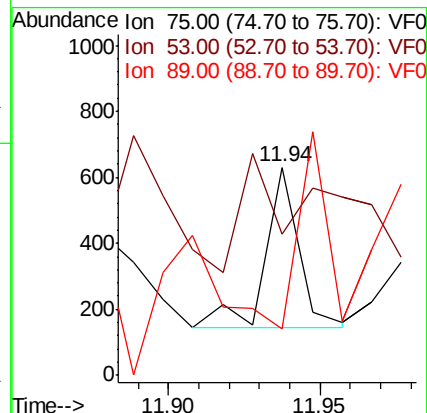
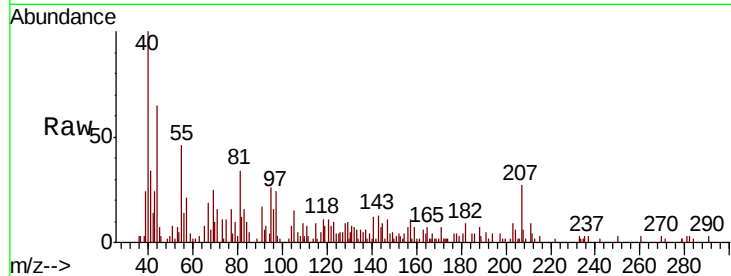
Tot Ion: 75 Resp: 376

Ion Ratio Lower Upper

75 100

53 68.1 46.9 70.3

89 22.4 36.4 54.6#



#82

4-Chlorotoluene

Concen: 5.830 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062636.D

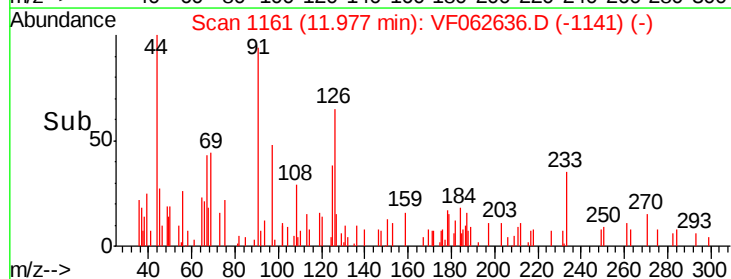
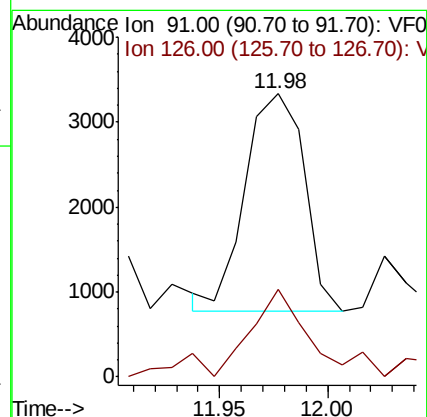
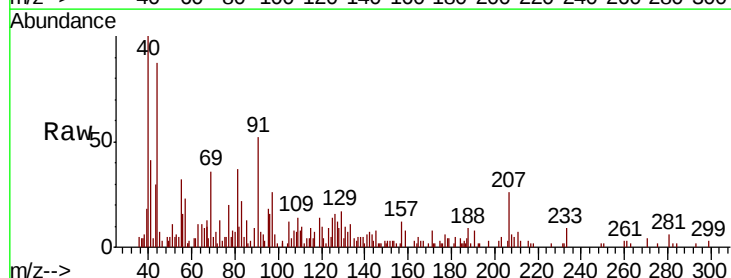
Acq: 17 May 2019 13:42

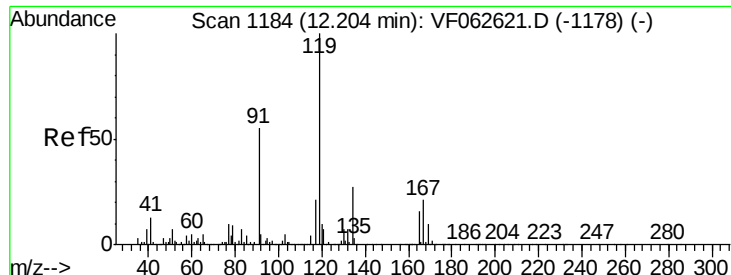
Tgt Ion: 91 Resp: 4887

Ion Ratio Lower Upper

91 100

126 30.8 19.1 57.1

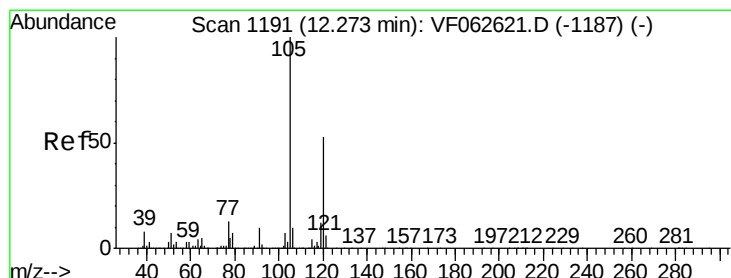
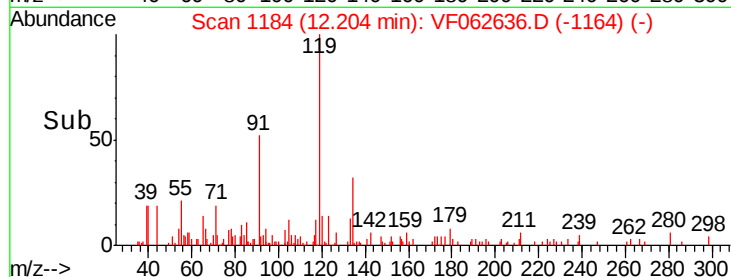
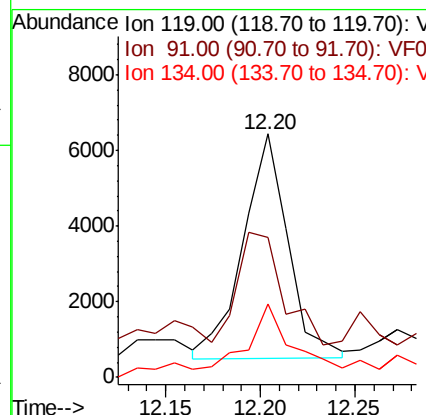
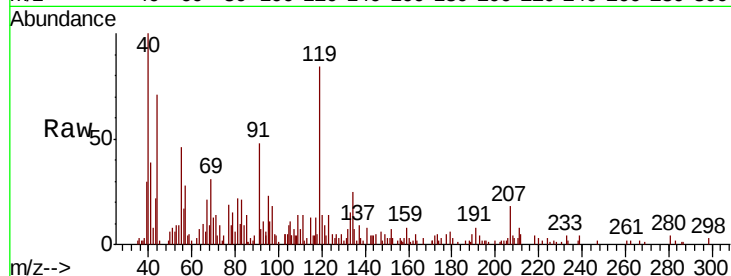




#83
 tert-Butylbenzene
 Concen: 9.339 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

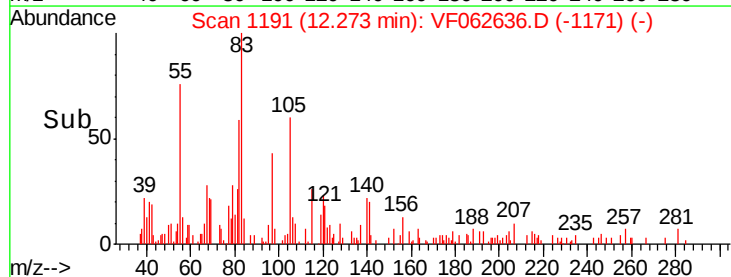
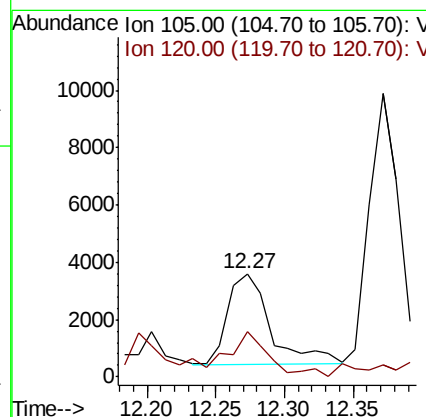
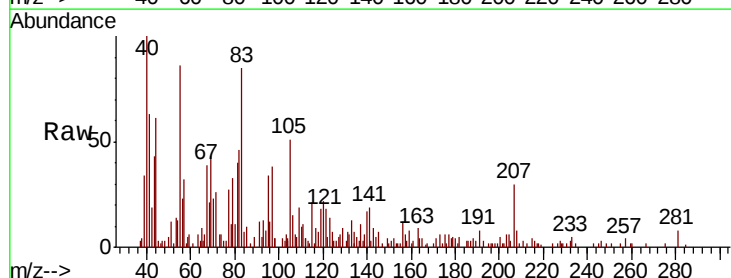
Instrument :
 MSVOA_F
 ClientSampleId :

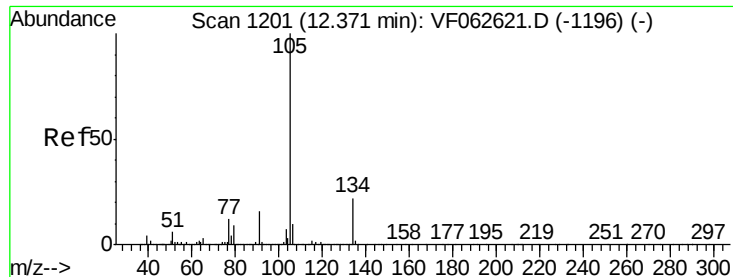
Tot Ion:119 Resp: 9683
 Ion Ratio Lower Upper
 119 100
 91 57.4 27.3 81.9
 134 29.9 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 7.013 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion:105 Resp: 6937
 Ion Ratio Lower Upper
 105 100
 120 43.7 26.7 80.1

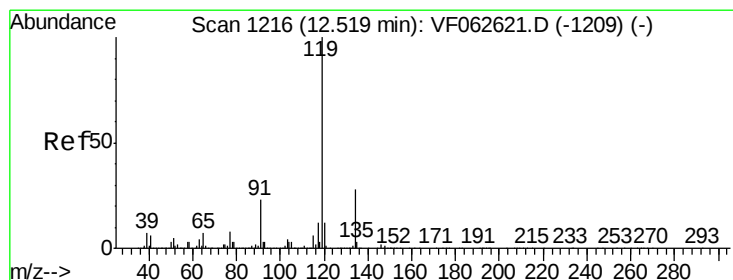
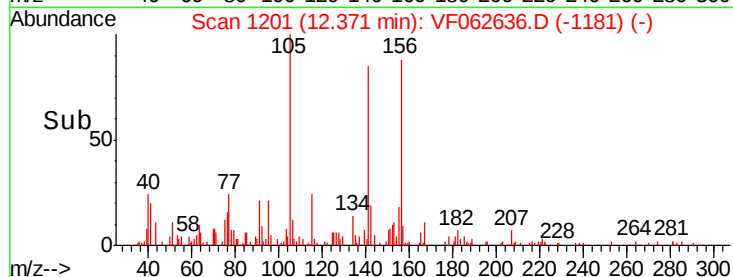
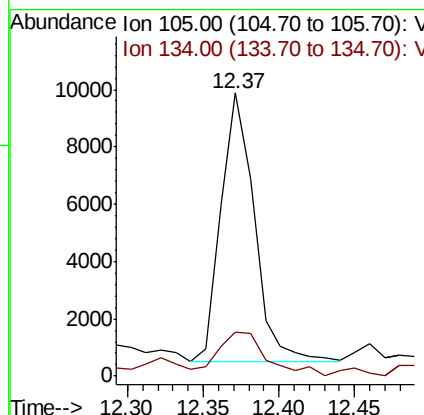
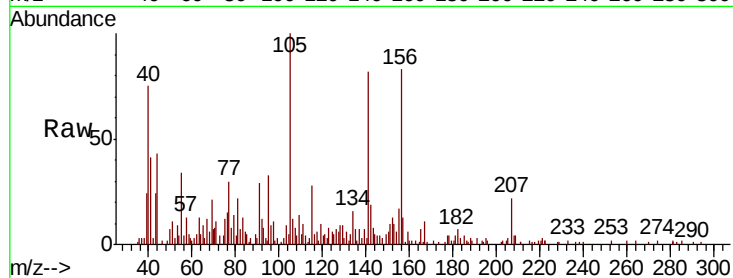




#85
 sec-Butylbenzene
 Concen: 10.421 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

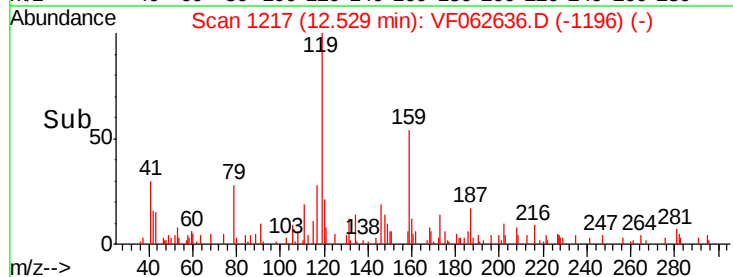
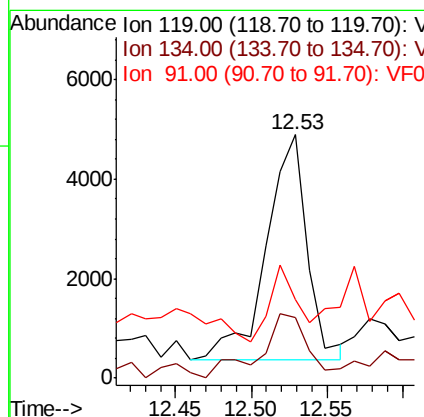
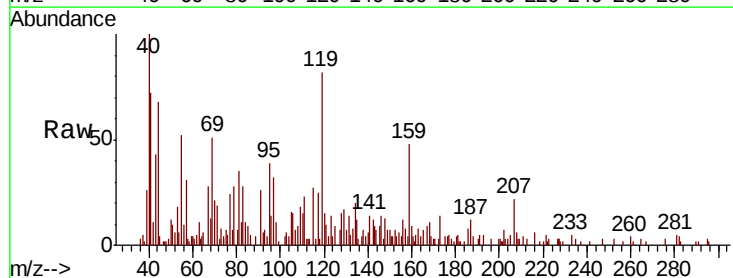
Instrument :
 MSVOA_F
 ClientSampleId :

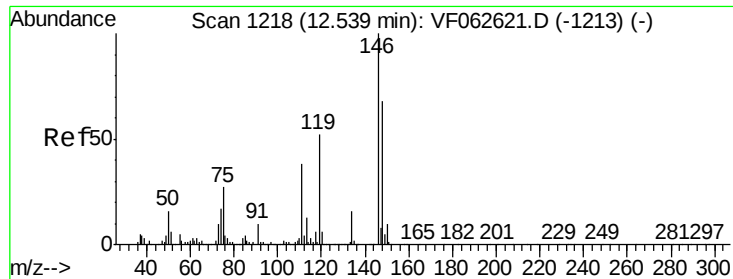
Tot Ion:105 Resp: 14500
 Ion Ratio Lower Upper
 105 100
 134 15.7 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 7.360 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion:119 Resp: 8631
 Ion Ratio Lower Upper
 119 100
 134 25.0 14.1 42.3
 91 32.0 11.4 34.2

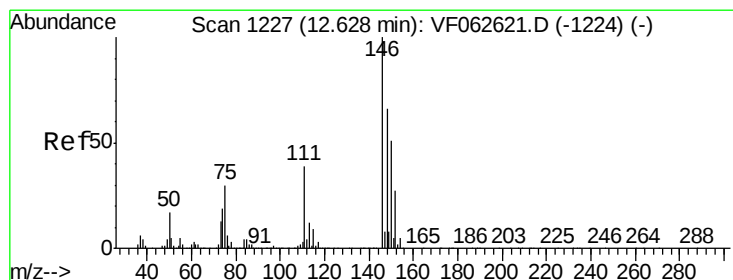
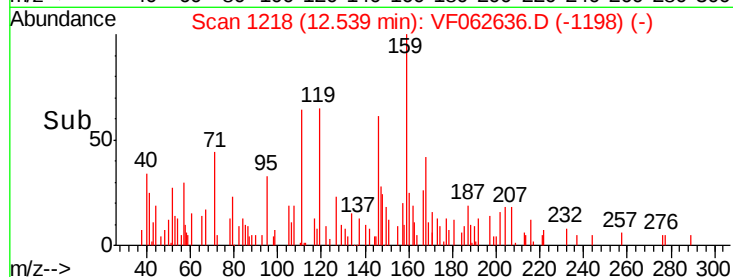
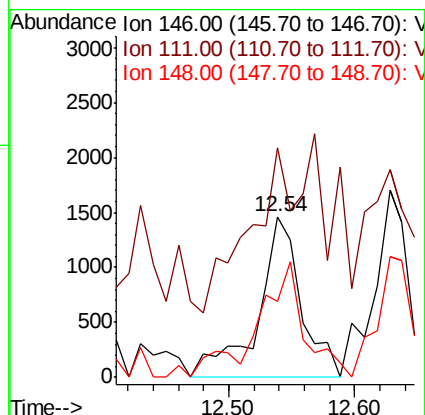
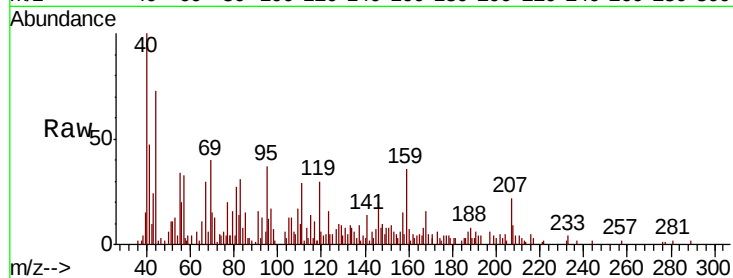




#87
 1,3-Dichlorobenzene
 Concen: 6.103 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

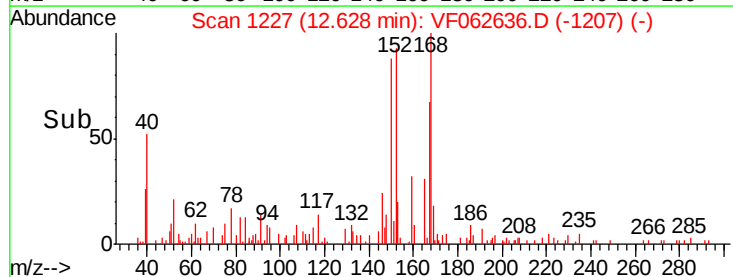
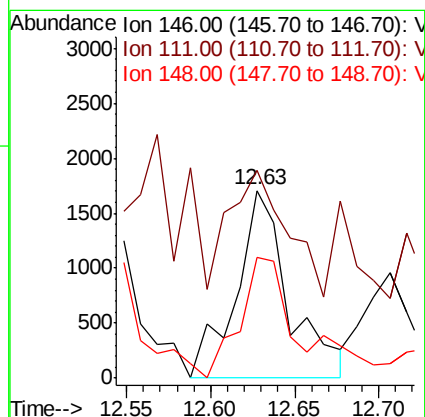
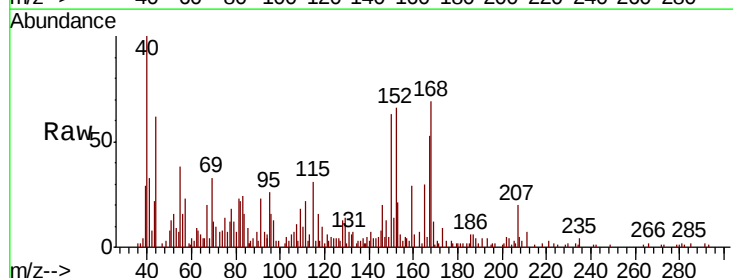
Instrument :
 MSVOA_F
 ClientSampleId :

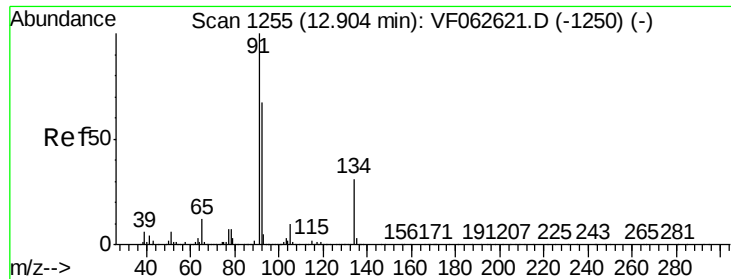
Tot Ion:146 Resp: 3498
 Ion Ratio Lower Upper
 146 100
 111 142.9 18.9 56.9#
 148 47.2 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 6.946 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion:146 Resp: 3736
 Ion Ratio Lower Upper
 146 100
 111 110.7 19.4 58.2#
 148 64.7 33.2 99.6

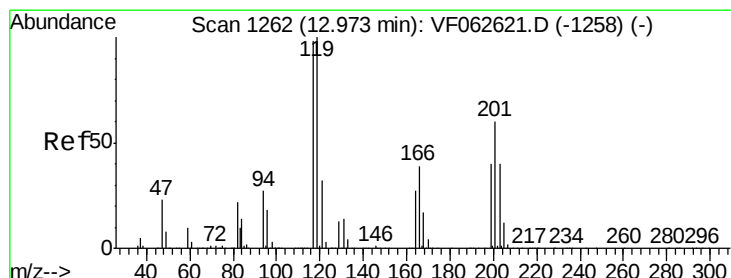
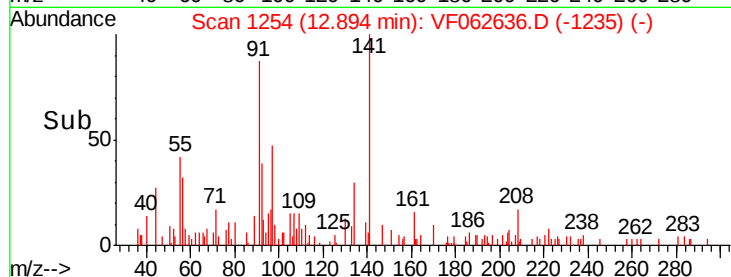
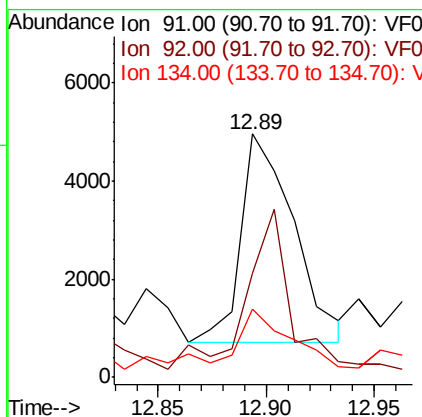
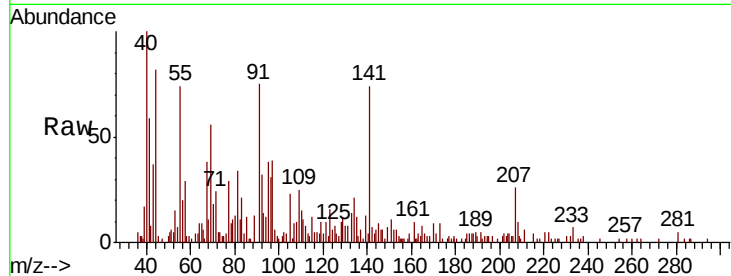




#89
n-Butylbenzene
Concen: 6.314 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

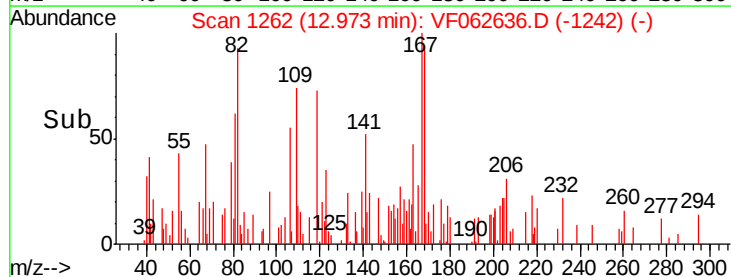
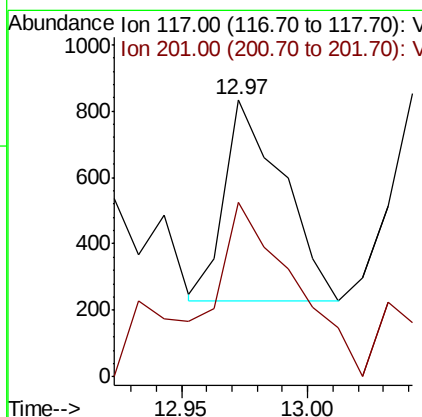
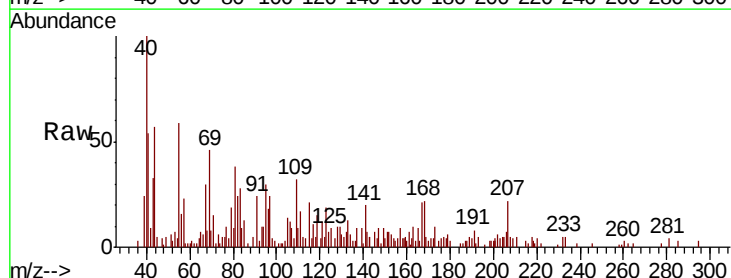
Instrument :
MSVOA_F
ClientSampleId :

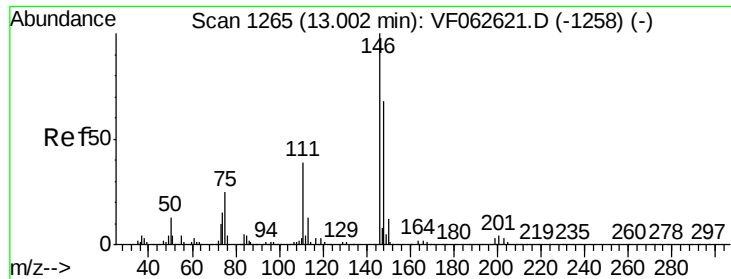
Tot Ion: 91 Resp: 7300
Ion Ratio Lower Upper
91 100
92 42.5 33.3 99.8
134 28.1 15.4 46.4



#90
Hexachloroethane
Concen: 3.466 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062636.D
Acq: 17 May 2019 13:42

Tgt Ion: 117 Resp: 975
Ion Ratio Lower Upper
117 100
201 62.9 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 5.116 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

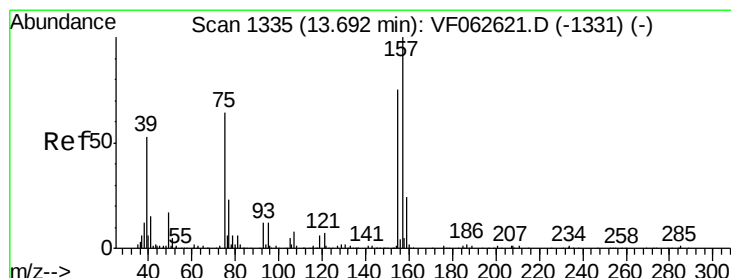
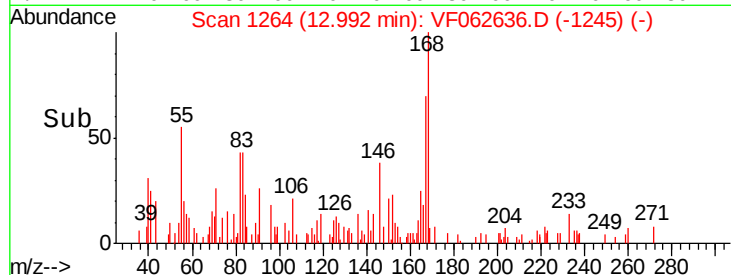
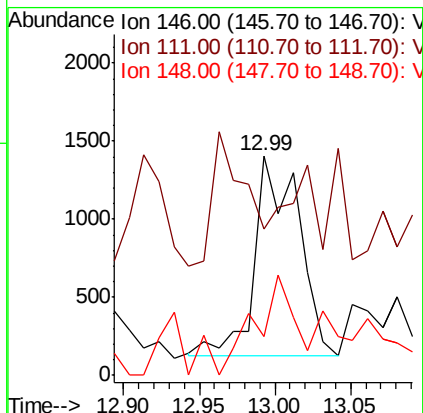
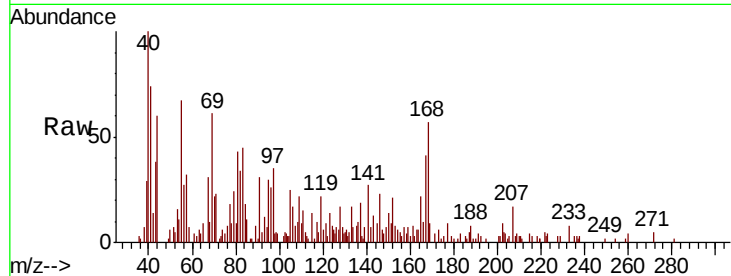
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:146 Resp: 2614

Ion	Ratio	Lower	Upper
146	100		
111	66.4	19.8	59.3#
148	17.8	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.670 ug/l

RT: 13.73 min Scan# 1339

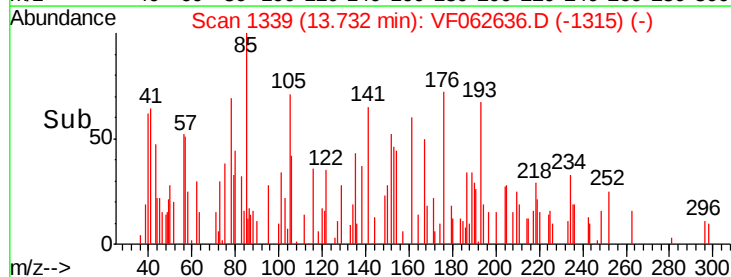
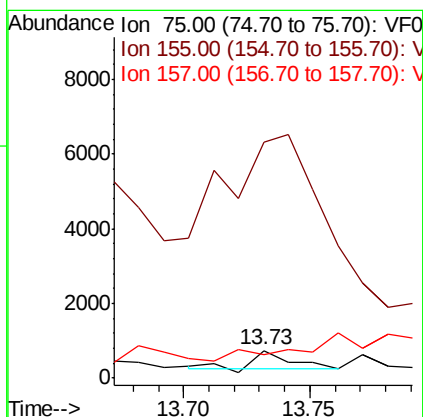
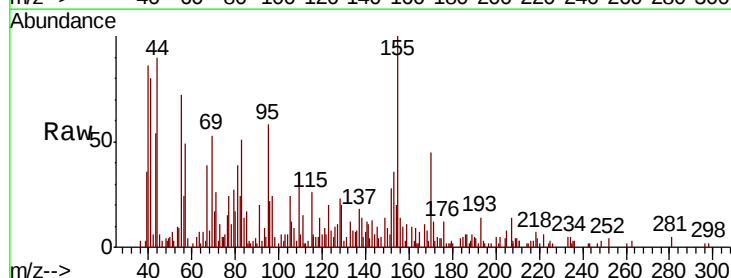
Delta R.T. 0.04 min

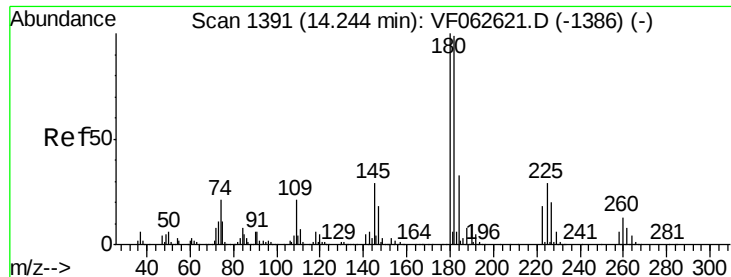
Lab File: VF062636.D

Acq: 17 May 2019 13:42

Tgt Ion: 75 Resp: 518

Ion	Ratio	Lower	Upper
75	100		
155	860.7	58.1	174.3#
157	85.8	77.8	233.4

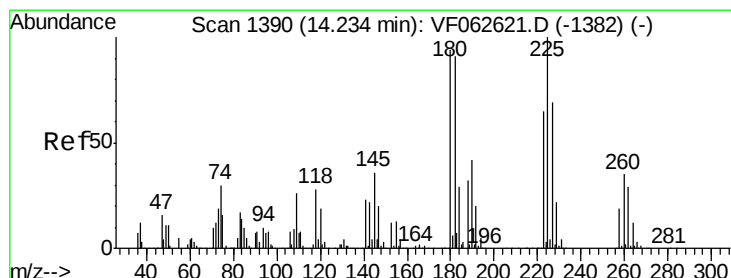
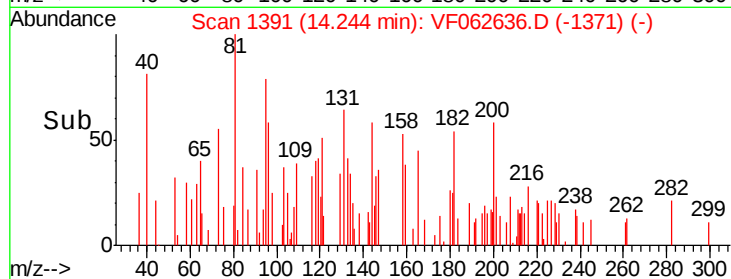
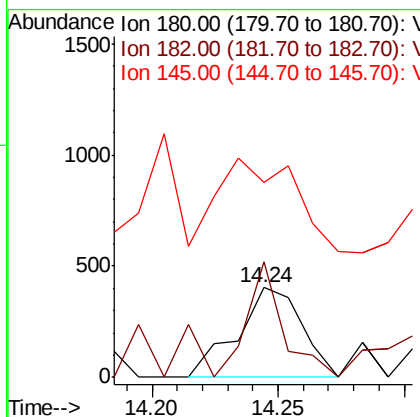
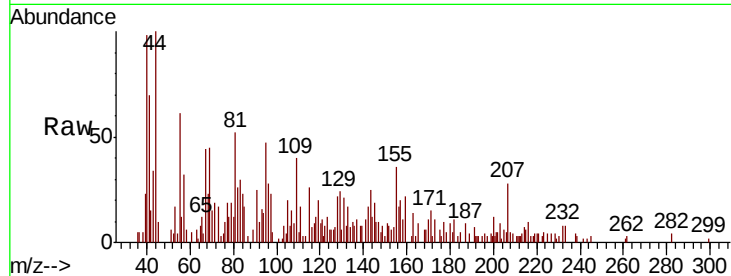




#93
 1,2,4-Trichlorobenzene
 Concen: 1.980 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

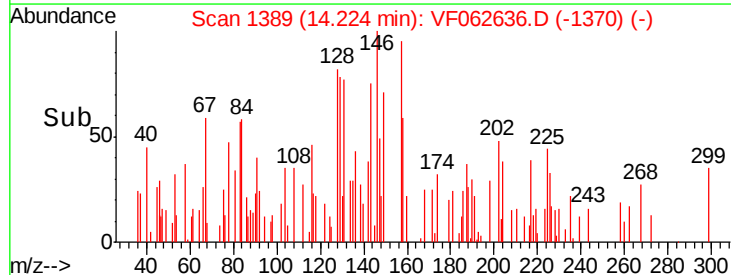
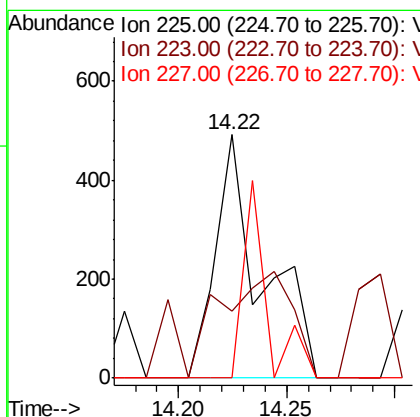
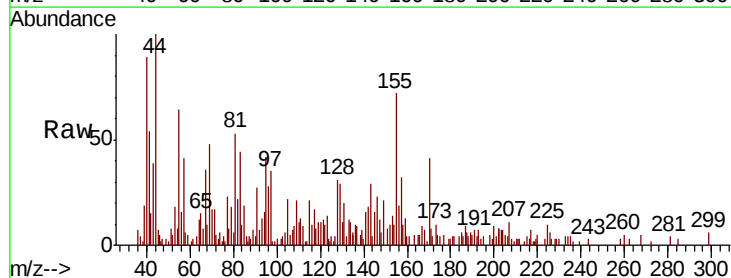
Instrument :
 MSVOA_F
 ClientSampleId :

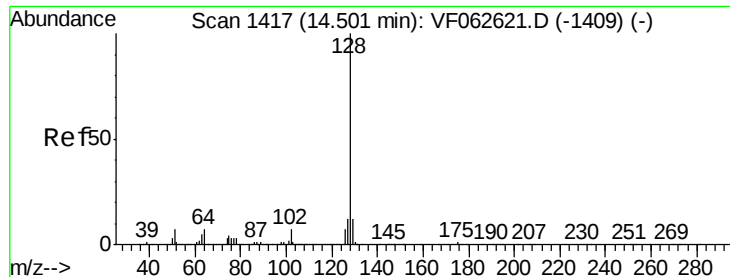
Tot Ion:180 Resp: 724
 Ion Ratio Lower Upper
 180 100
 182 128.8 49.7 149.1
 145 218.1 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 2.895 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062636.D
 Acq: 17 May 2019 13:42

Tgt Ion:225 Resp: 739
 Ion Ratio Lower Upper
 225 100
 223 27.6 32.5 97.4#
 227 0.0 34.5 103.5#





#95

Naphthalene

Concen: 5.522 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

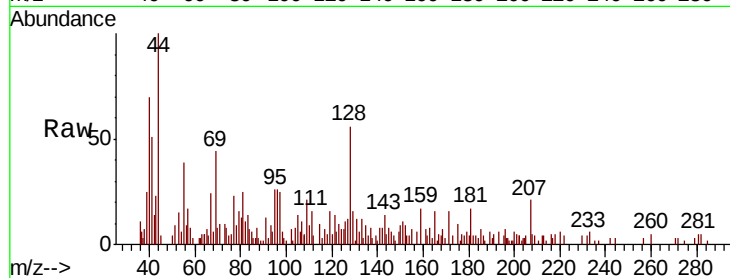
Tot Ion:128 Resp: 3669

Ion Ratio Lower Upper

128 100

127 21.0 9.7 14.5#

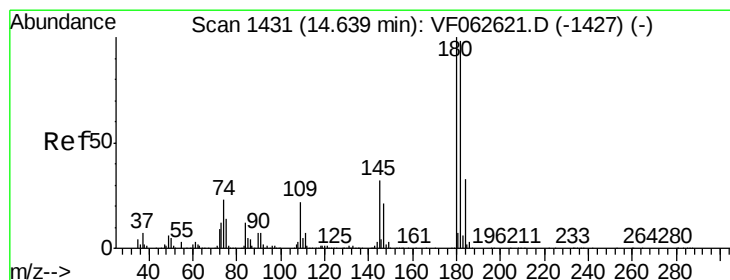
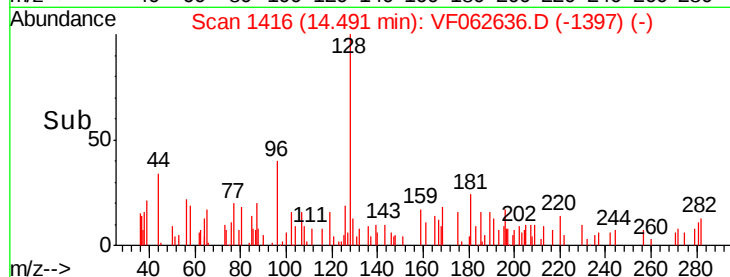
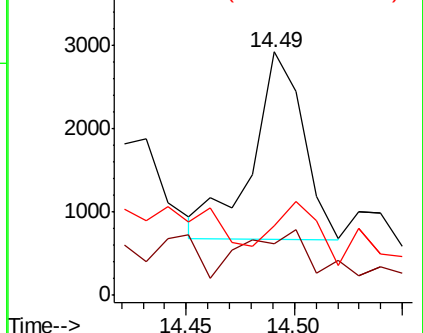
129 28.5 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.483 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062636.D

Acq: 17 May 2019 13:42

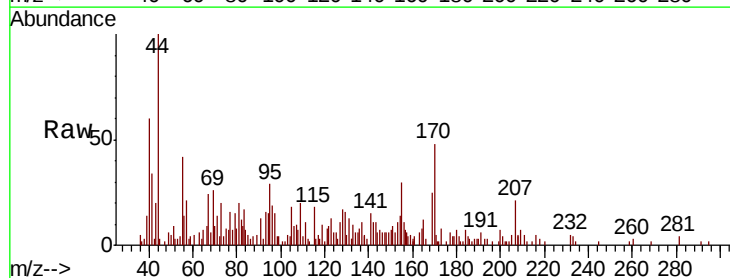
Tgt Ion:180 Resp: 860

Ion Ratio Lower Upper

180 100

182 31.2 48.9 146.7#

145 98.4 16.1 48.2#



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

