

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062338.D
 Acq On : 30 Apr 2019 18:19
 Operator : FY/SY
 Sample : K2191-01RE
 Misc : 3.57g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 01 02:54:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	22661	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	25194	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.88	117	12334	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.60	152	3725	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	5412	29.48	ug/l	-0.03
Spiked Amount			Recovery	=	58.96%	
35) Dibromofluoromethane	4.29	113	7964	42.63	ug/l	-0.04
Spiked Amount			Recovery	=	85.26%	
50) Toluene-d8	7.69	98	19577	42.91	ug/l	-0.04
Spiked Amount			Recovery	=	85.82%	
62) 4-Bromofluorobenzene	11.48	95	4763	25.33	ug/l	-0.03
Spiked Amount			Recovery	=	50.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	428	1.887	ug/l #	44
5) Bromomethane	1.40	94	457	3.132	ug/l #	68
8) Diethyl Ether	1.72	74	248	4.009	ug/l	94
11) Tert butyl alcohol	2.75	59	60	5.404	ug/l #	71
12) 1,1-Dichloroethene	1.88	96	376	1.967	ug/l #	1
13) Acrolein	2.09	56	260	32.401	ug/l #	10
14) Allyl chloride	2.21	41	648	3.114	ug/l #	18
15) Acrylonitrile	3.09	53	256	8.324	ug/l #	61
16) Acetone	2.32	43	4516	109.885	ug/l	94
17) Carbon Disulfide	1.85	76	830	1.650	ug/l #	3
18) Methyl Acetate	2.44	43	449	3.066	ug/l #	90
19) Methyl tert-butyl Ether	2.50	73	1723	4.727	ug/l #	26
20) Methylene Chloride	2.27	84	1175	1.587	ug/l #	54
23) Vinyl Acetate	3.37	43	833	3.354	ug/l #	78
25) 2-Butanone	4.47	43	920	14.118	ug/l #	57
26) 2,2-Dichloropropane	3.87	77	516	3.108	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	325	1.358	ug/l #	6
29) Tetrahydrofuran	4.25	42	185	6.461	ug/l #	45
37) Ethyl Acetate	4.29	43	345	3.528	ug/l #	3
41) Methacrylonitrile	4.93	41	395	7.271	ug/l #	33
43) Isopropyl Acetate	7.09	43	2356	23.400	ug/l #	90
48) Methyl methacrylate	6.83	41	355	4.955	ug/l #	30
49) 1,4-Dioxane	6.73	88	67	81.217	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	8037	104.313	ug/l	92
54) cis-1,3-Dichloropropene	7.42	75	206	1.017	ug/l #	1
56) Ethyl methacrylate	8.74	69	3710	36.694	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.39	63	69	2.243	ug/l #	44
59) 2-Hexanone	9.61	43	6059	121.539	ug/l	97
65) Chlorobenzene	9.90	112	695	3.084	ug/l #	67
66) 1,1,1,2-Tetrachloroethane	10.03	131	174	1.639	ug/l #	1
67) Ethyl Benzene	10.01	91	2010	5.130	ug/l #	84
68) m/p-Xylenes	10.24	106	937	6.423	ug/l #	46
69) o-Xylene	10.81	106	432	2.651	ug/l	75
70) Styrene	10.87	104	1470	6.239	ug/l #	84

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

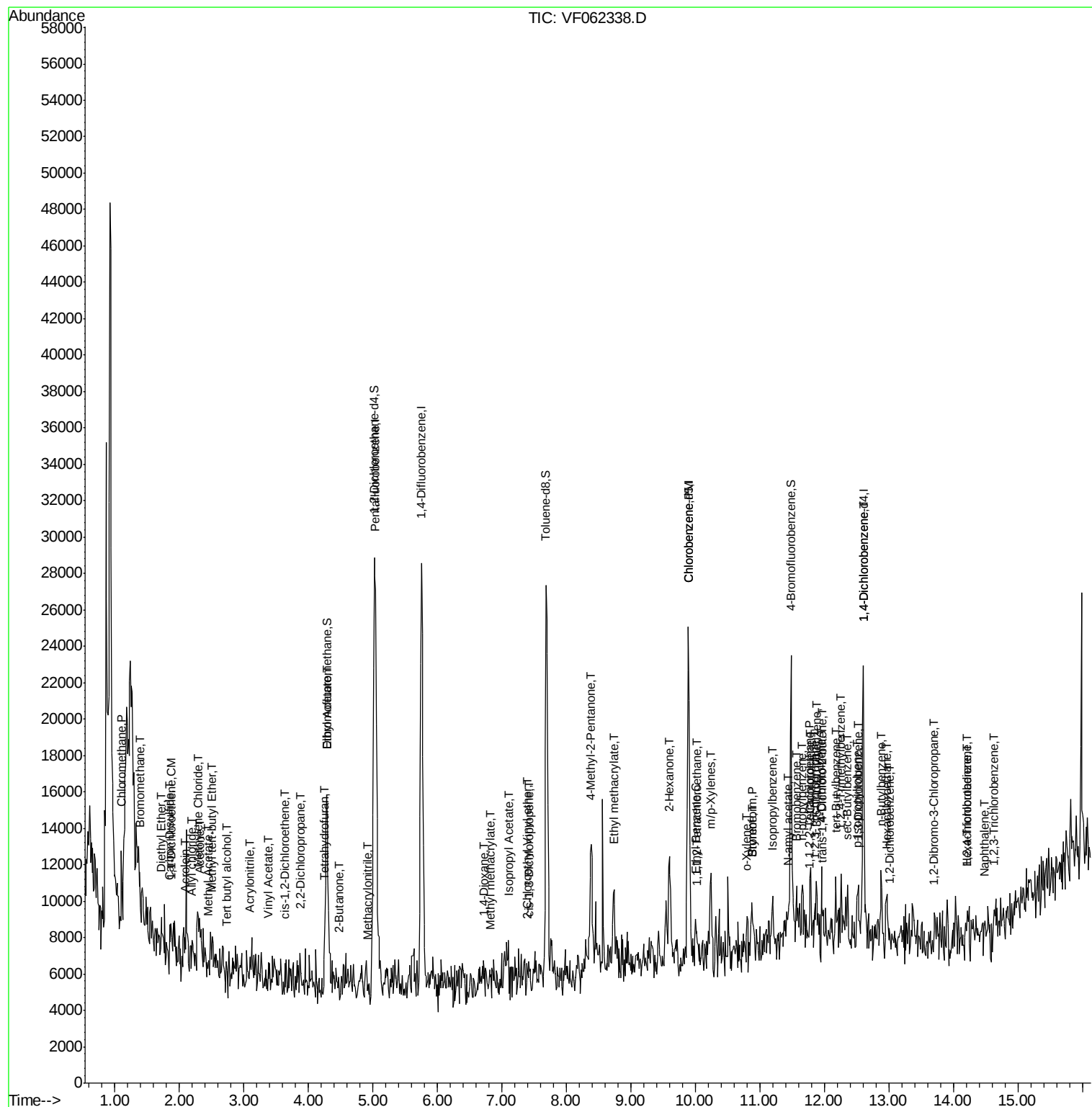
71) Bromoform	10.87	173	65	1.088	ug/l #	31
73) Isopropylbenzene	11.20	105	1518	5.948	ug/l	99
74) N-amyl acetate	11.43	43	1381	23.485	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.76	83	76	1.874	ug/l #	23
76) 1,2,3-Trichloropropane	11.85	75	396	13.765	ug/l #	100
77) Bromobenzene	11.57	156	458	7.178	ug/l #	55
78) n-propylbenzene	11.66	91	2148	7.999	ug/l	87
79) 2-Chlorotoluene	11.79	91	1380	8.531	ug/l	96
80) 1,3,5-Trimethylbenzene	11.88	105	1136	5.273	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.97	75	351	27.295	ug/l #	31
82) 4-Chlorotoluene	11.96	91	1329	8.303	ug/l	75
83) tert-Butylbenzene	12.18	119	1127	5.097	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	1104	5.291	ug/l	86
85) sec-Butylbenzene	12.36	105	1507	5.472	ug/l	91
86) p-Isopropyltoluene	12.51	119	887	3.592	ug/l	87
87) 1,3-Dichlorobenzene	12.53	146	665	5.891	ug/l #	84
88) 1,4-Dichlorobenzene	12.60	146	917	8.568	ug/l #	85
89) n-Butylbenzene	12.89	91	909	4.052	ug/l #	87
90) Hexachloroethane	12.96	117	651	10.518	ug/l #	46
91) 1,2-Dichlorobenzene	13.01	146	474	4.375	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	142	17.360	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.22	180	447	4.696	ug/l #	48
94) Hexachlorobutadiene	14.21	225	251	3.667	ug/l #	46
95) Naphthalene	14.48	128	449	3.045	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.62	180	221	2.455	ug/l #	45

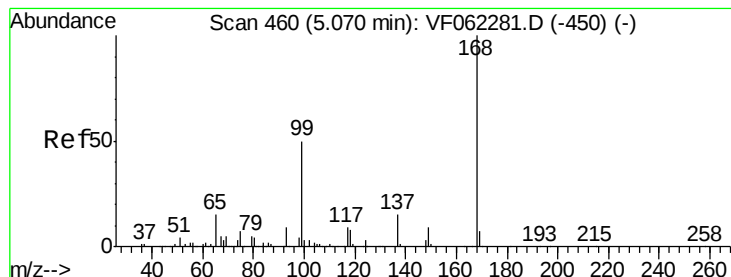
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

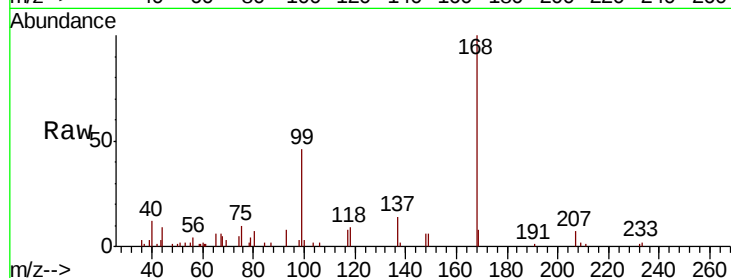
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 22661

Ion Ratio Lower Upper

168 100

99 45.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

8000

6000

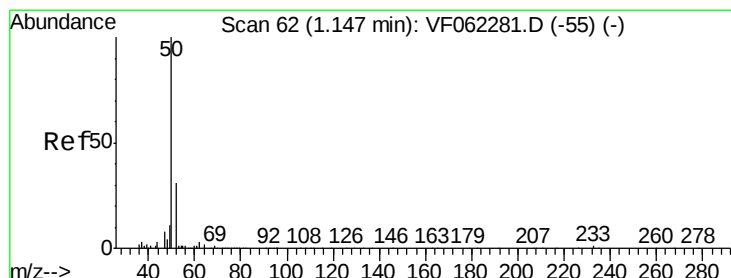
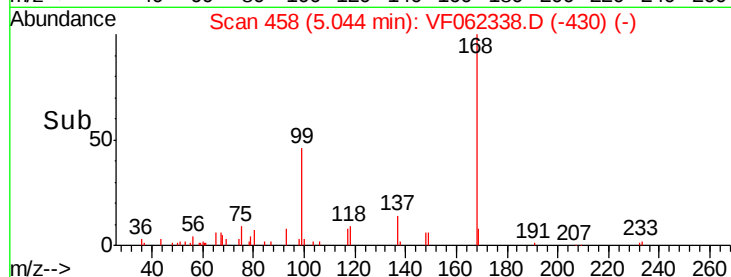
4000

2000

0

Time--> 4.90 5.00 5.10

5.04



#3

Chloromethane

Concen: 1.887 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.04 min

Lab File: VF062338.D

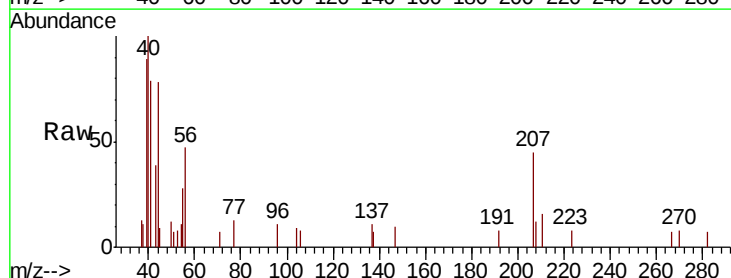
Acq: 30 Apr 2019 18:19

Tgt Ion: 50 Resp: 428

Ion Ratio Lower Upper

50 100

52 0.0 24.2 36.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

300

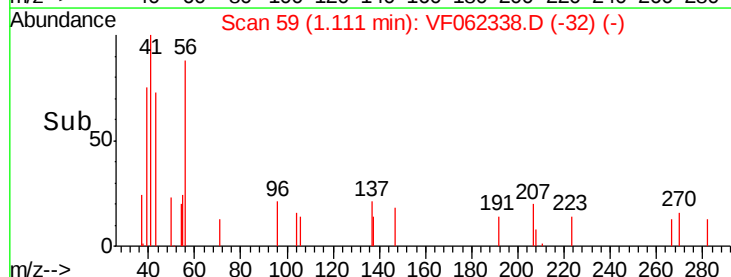
200

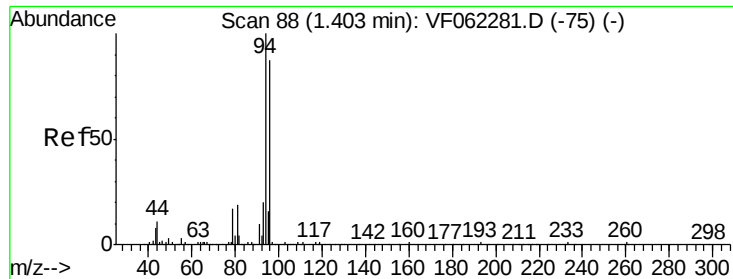
100

0

Time--> 1.05 1.10 1.15

1.11





#5

Bromomethane

Concen: 3.132 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

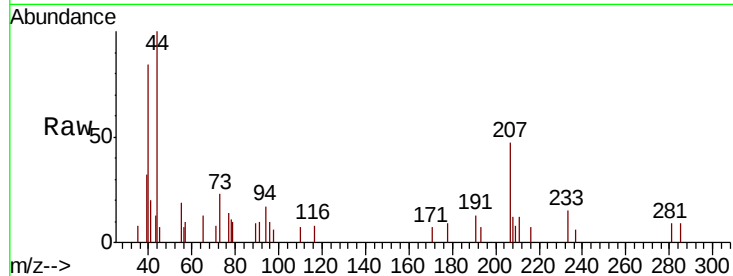
ClientSampleId :

Tot Ion: 94 Resp: 457

Ion Ratio Lower Upper

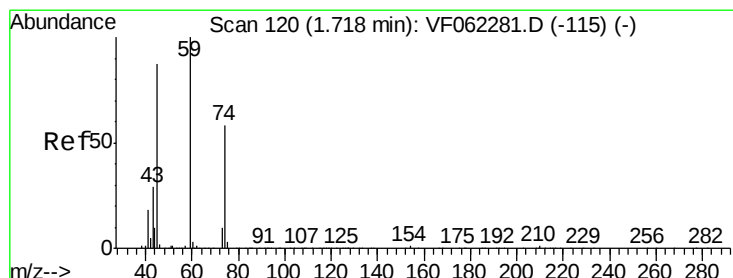
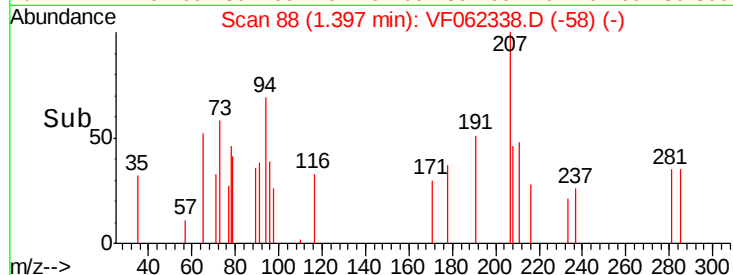
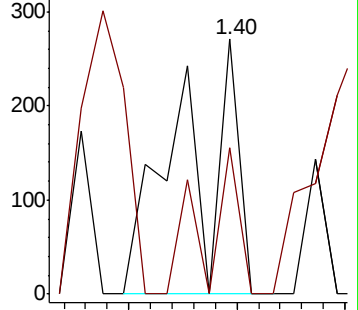
94 100

96 57.2 69.5 104.3#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#8

Diethyl Ether

Concen: 4.009 ug/l

RT: 1.72 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF062338.D

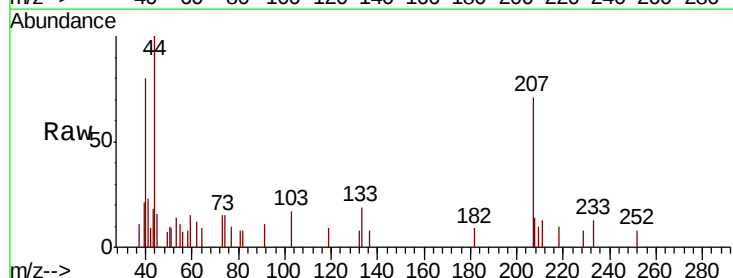
Acq: 30 Apr 2019 18:19

Tgt Ion: 74 Resp: 248

Ion Ratio Lower Upper

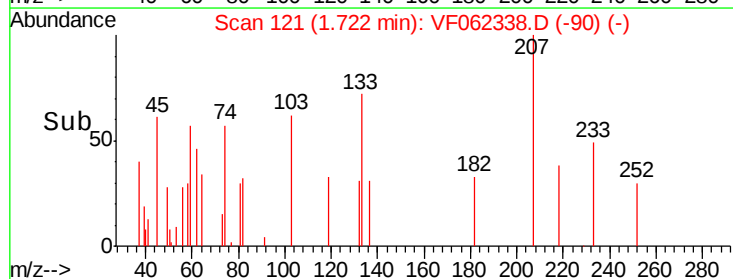
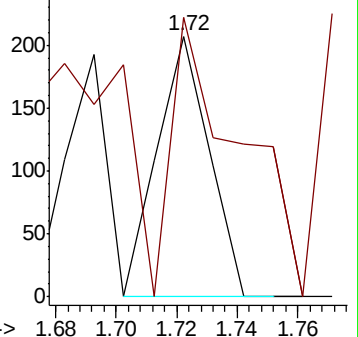
74 100

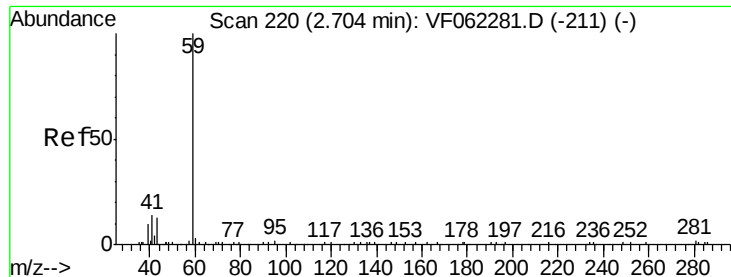
45 140.3 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



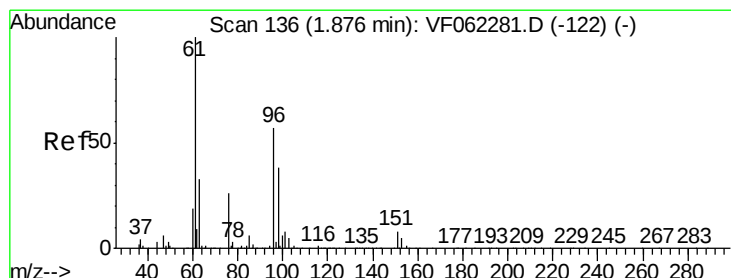
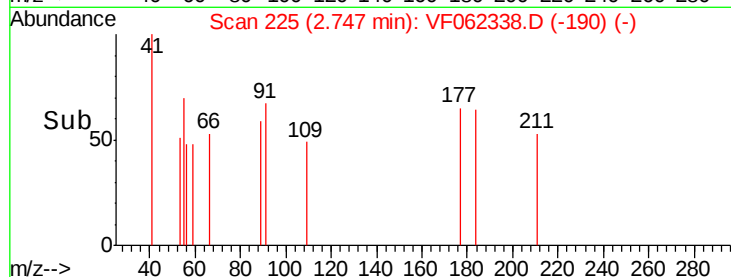
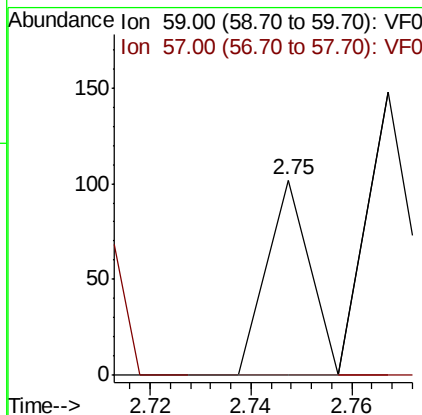
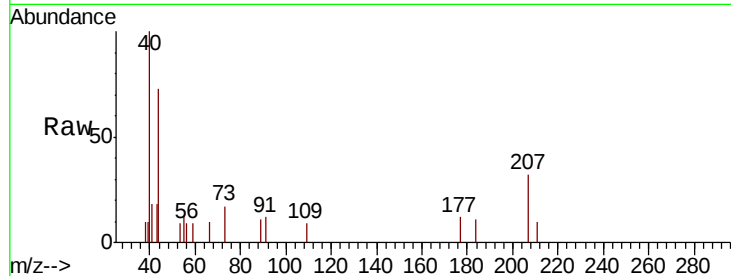


#11

Tert butyl alcohol
Concen: 5.404 ug/l
RT: 2.75 min Scan# 225
Delta R.T. 0.04 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Instrument :
MSVOA_F
ClientSampled :

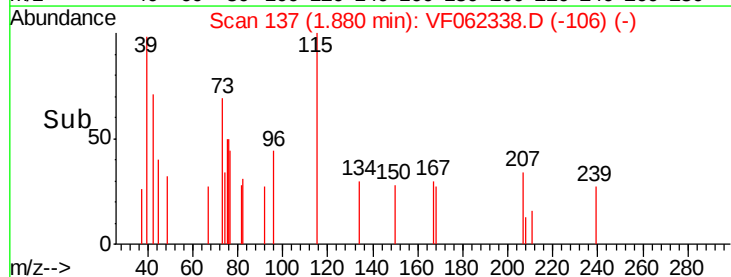
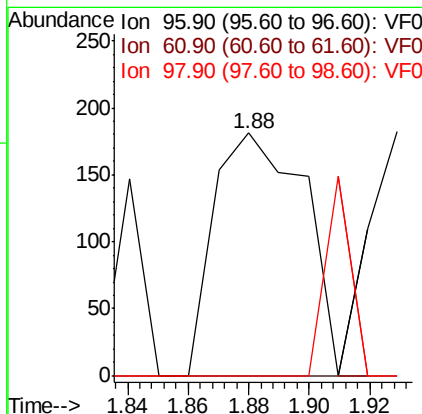
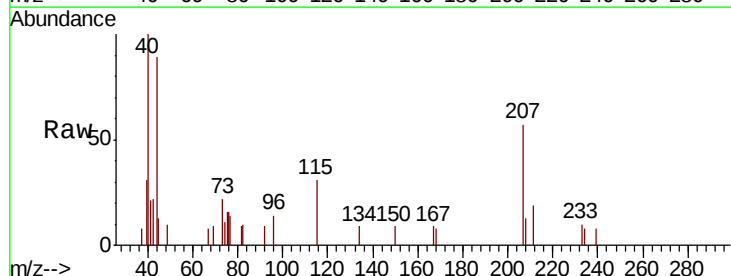
Tot Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

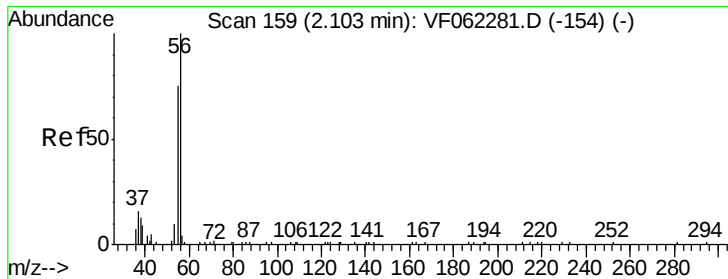


#12

1,1-Dichloroethene
Concen: 1.967 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 96 Resp: 376
Ion Ratio Lower Upper
96 100
61 0.0 141.1 211.7#
98 0.0 53.4 80.0#

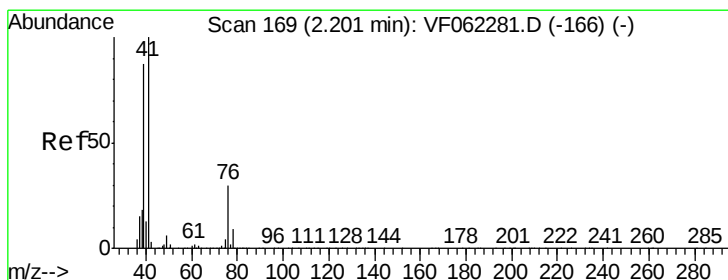
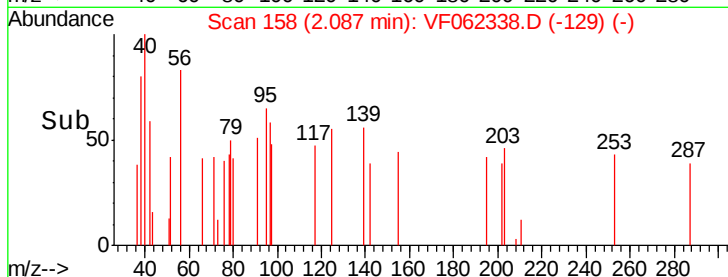
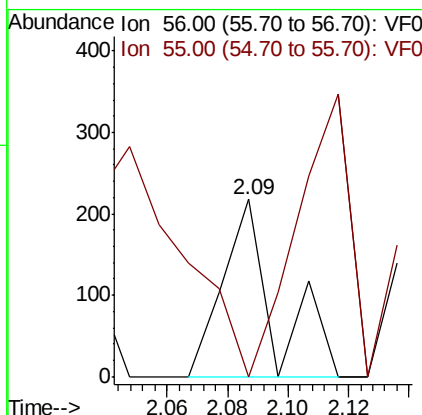
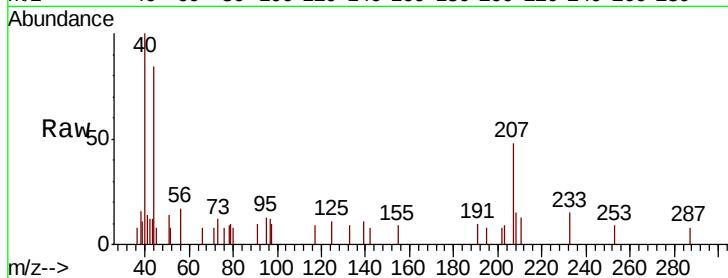




#13
Acrolein
Concen: 32.401 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

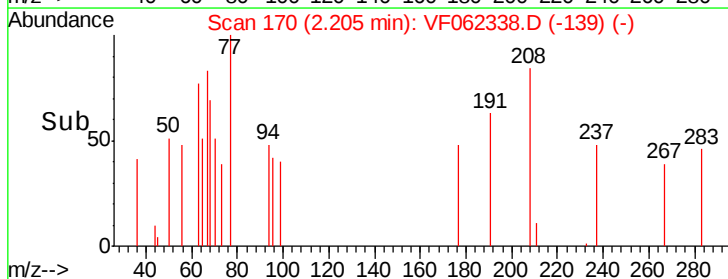
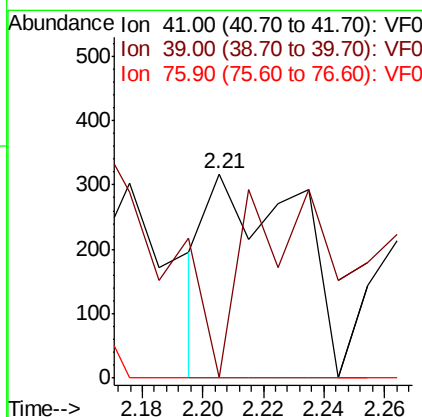
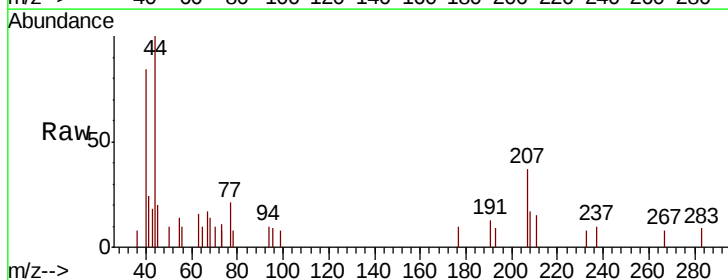
Instrument :
MSVOA_F
ClientSampleId :

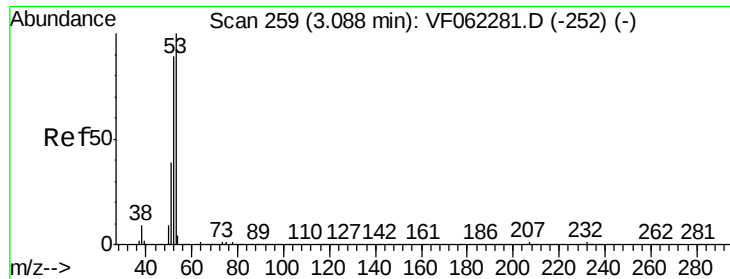
Tot Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 0.0 62.3 93.5#



#14
Allyl chloride
Concen: 3.114 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 41 Resp: 648
Ion Ratio Lower Upper
41 100
39 136.0 50.3 75.5#
76 0.0 14.8 22.2#





#15

Acrylonitrile

Concen: 8.324 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

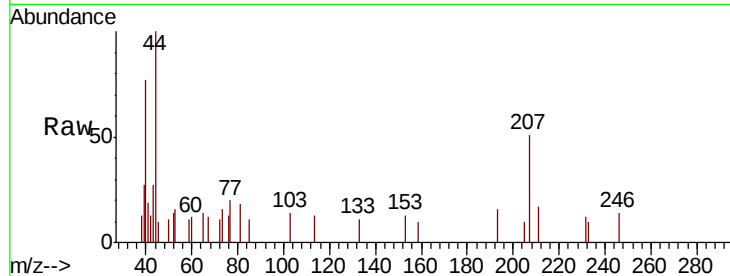
Tot Ion: 53 Resp: 256

Ion Ratio Lower Upper

53 100

52 66.0 70.6 105.8#

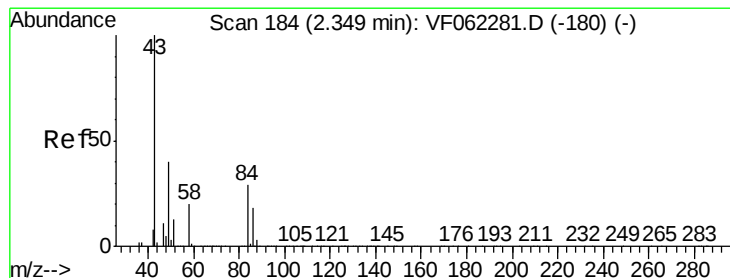
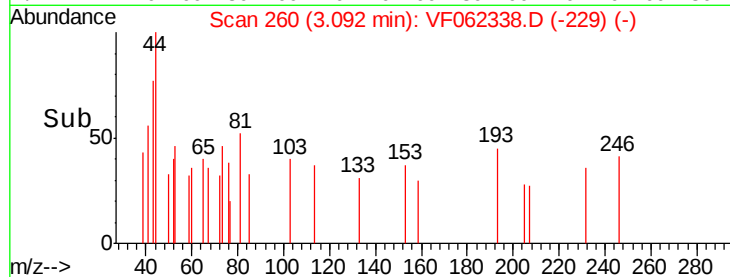
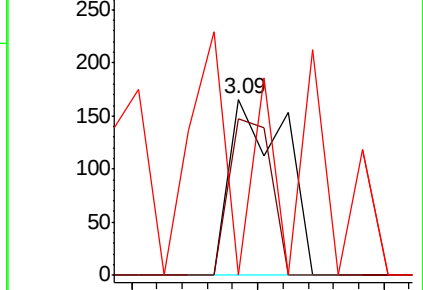
51 84.8 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 109.885 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.03 min

Lab File: VF062338.D

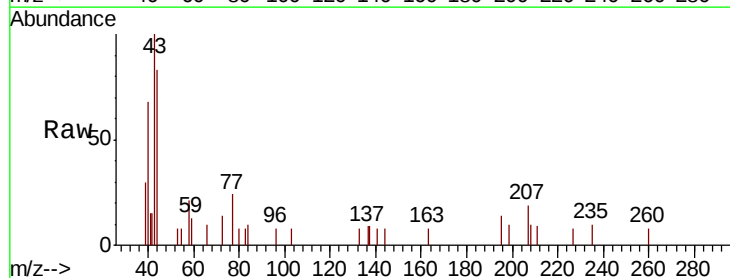
Acq: 30 Apr 2019 18:19

Tgt Ion: 43 Resp: 4516

Ion Ratio Lower Upper

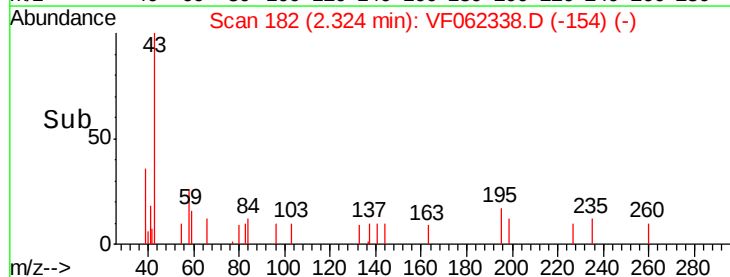
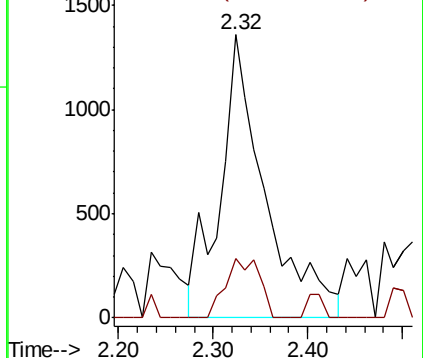
43 100

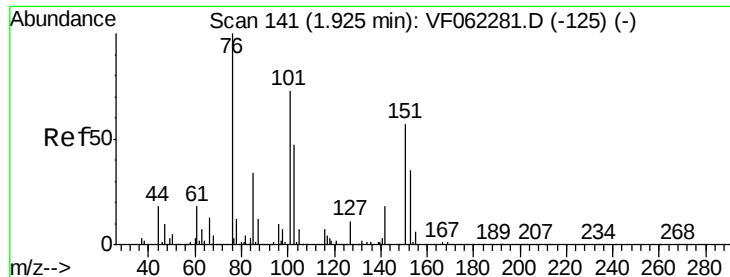
58 23.1 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

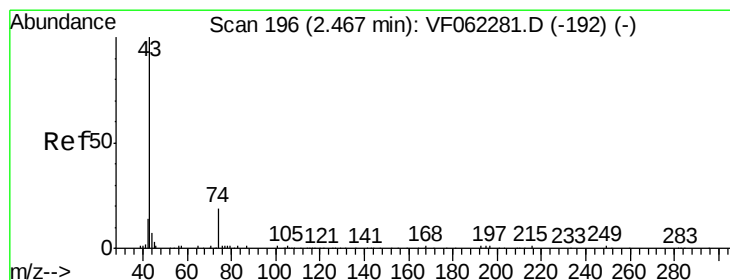
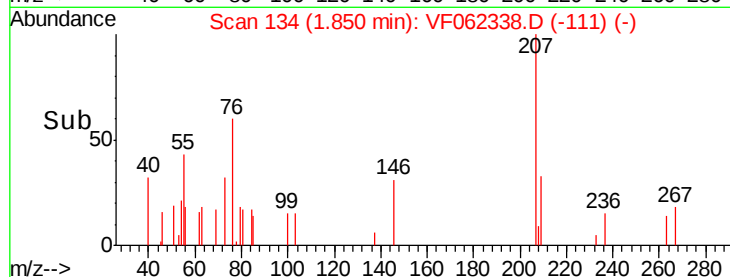
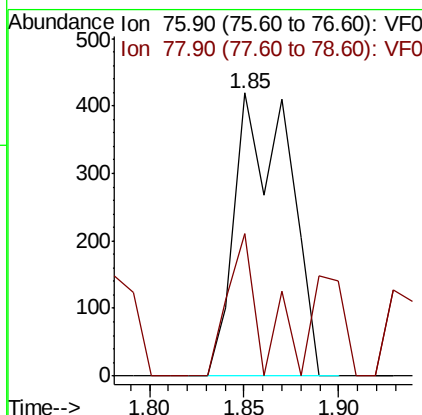
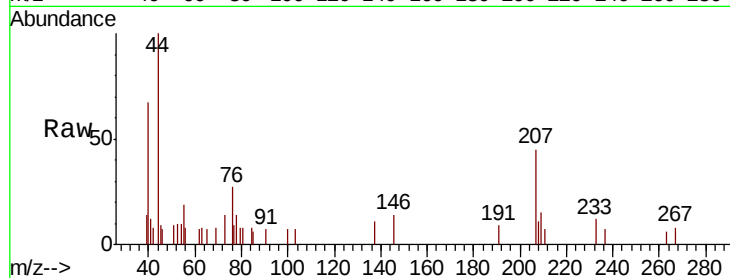




#17
Carbon Disulfide
Concen: 1.650 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.07 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

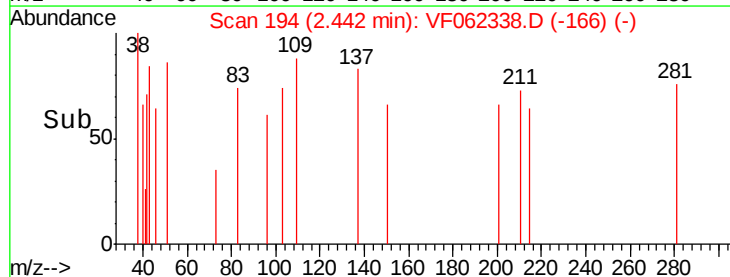
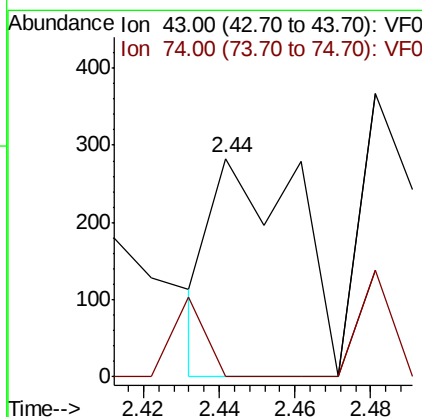
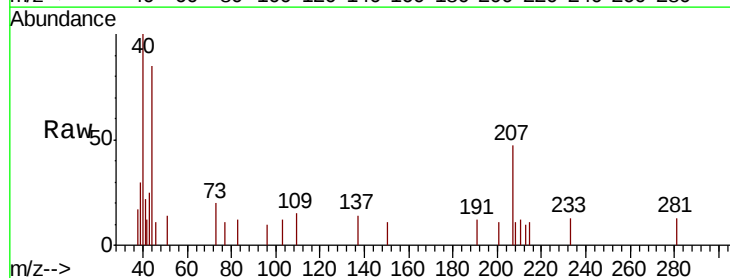
Instrument :
MSVOA_F
ClientSampled :

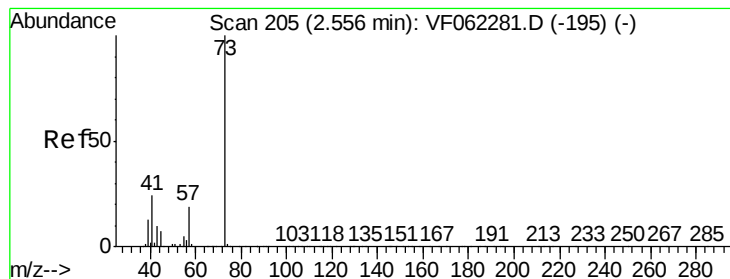
Tot Ion: 76 Resp: 830
Ion Ratio Lower Upper
76 100
78 50.4 9.8 14.8#



#18
Methyl Acetate
Concen: 3.066 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
74 13.6 14.4 21.6#



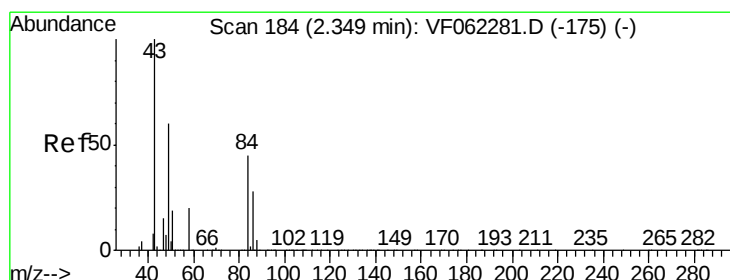
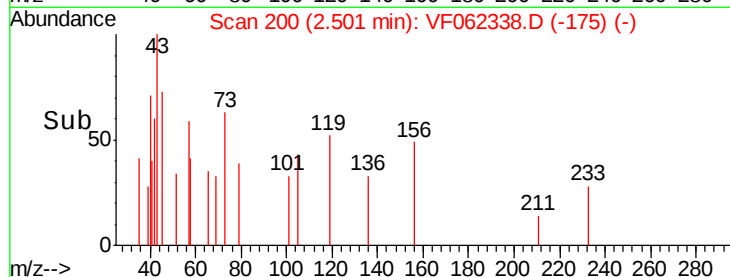
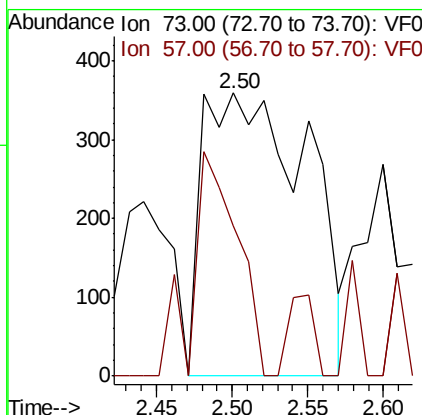
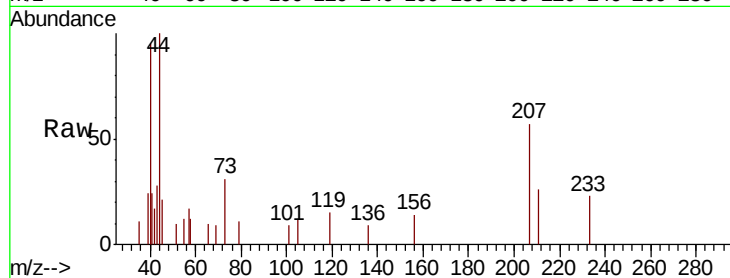


#19

Methyl tert-butyl Ether
Concen: 4.727 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.06 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Instrument :
MSVOA_F
ClientSampled :

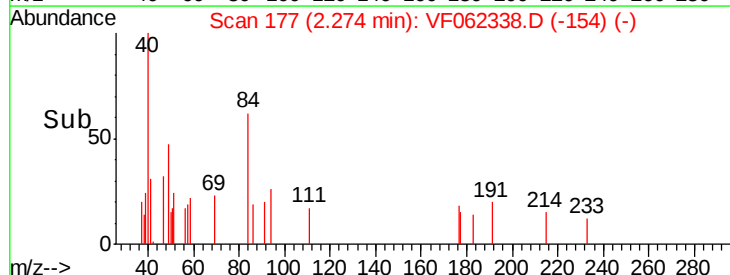
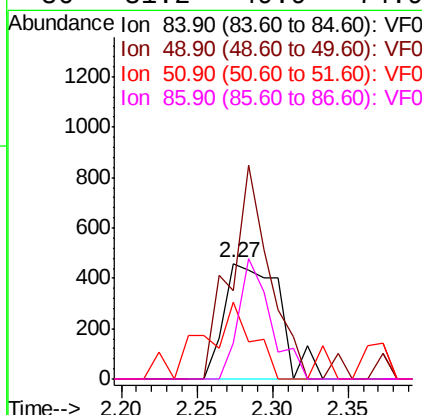
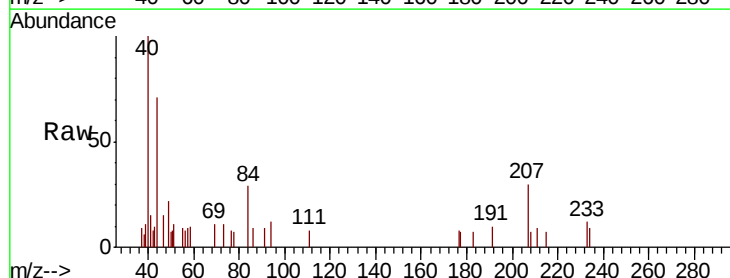
Tot Ion: 73 Resp: 1723
Ion Ratio Lower Upper
73 100
57 52.9 15.5 23.3#

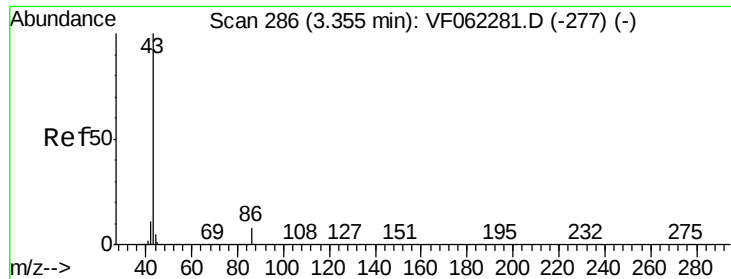


#20

Methylene Chloride
Concen: 1.587 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 84 Resp: 1175
Ion Ratio Lower Upper
84 100
49 76.5 112.1 168.1#
51 66.0 35.9 53.9#
86 31.2 49.9 74.9#





#23

Vinyl Acetate

Concen: 3.354 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.01 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

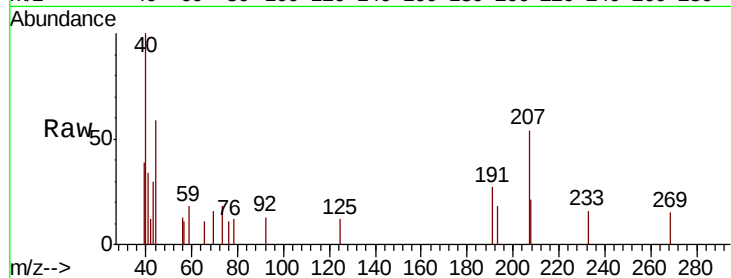
ClientSampleId :

Tot Ion: 43 Resp: 833

Ion Ratio Lower Upper

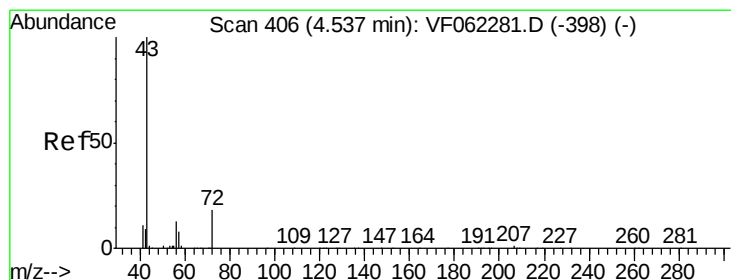
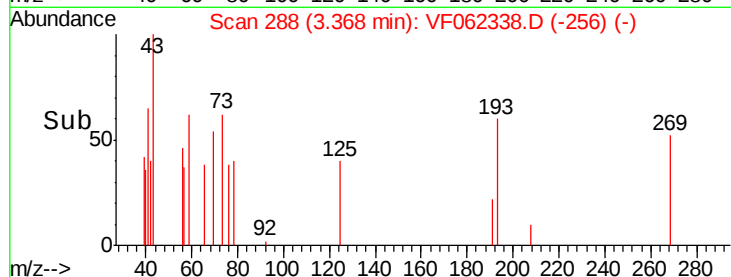
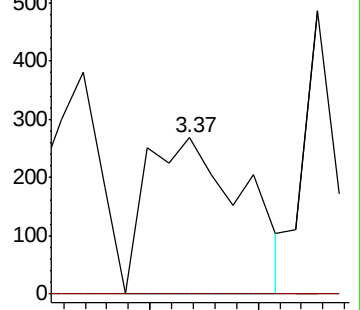
43 100

86 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 14.118 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.07 min

Lab File: VF062338.D

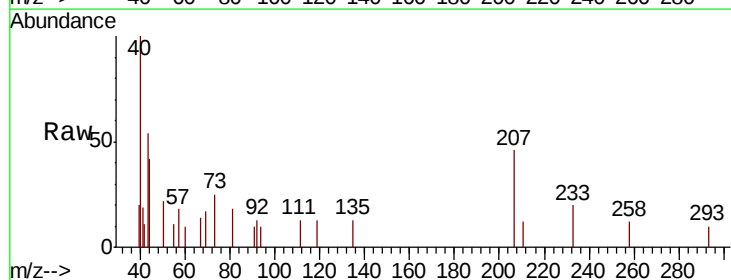
Acq: 30 Apr 2019 18:19

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

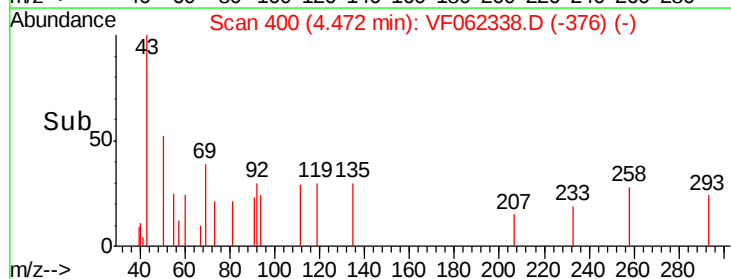
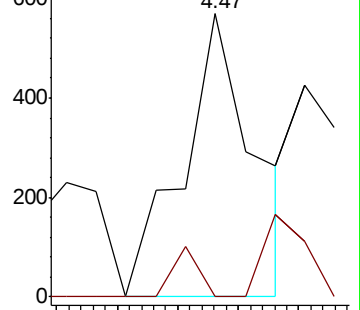
43 100

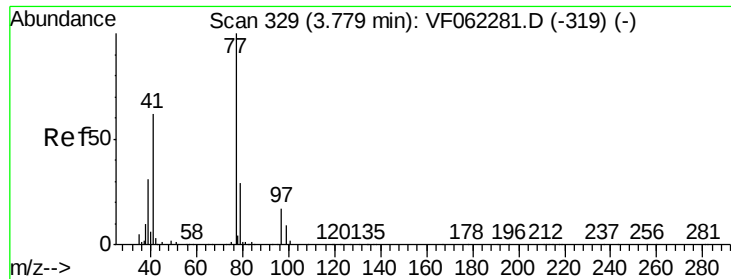
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 3.108 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.09 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

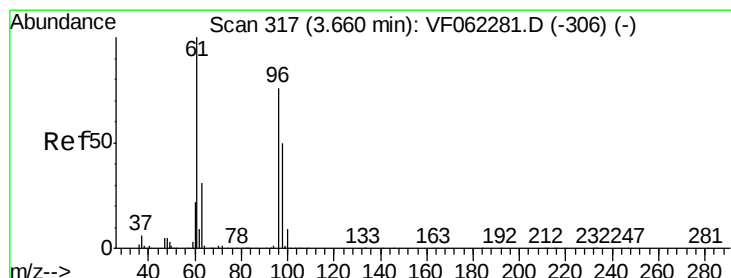
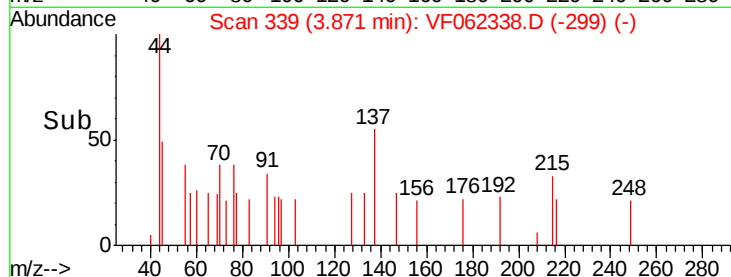
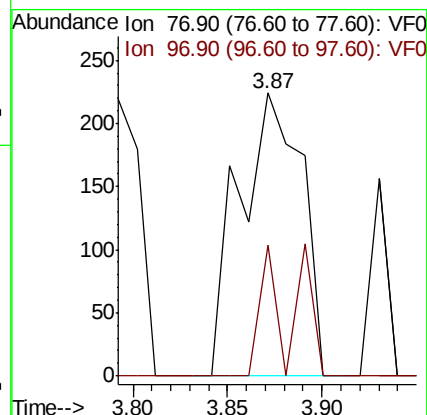
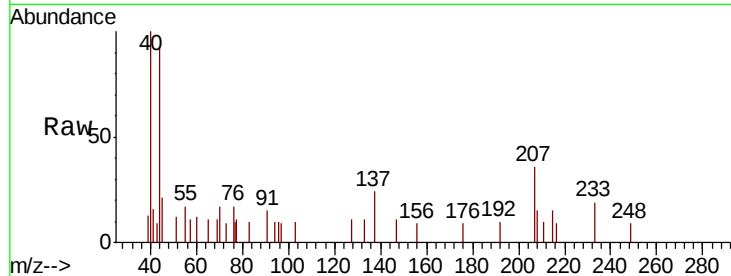
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 77 Resp: 516

Ion Ratio Lower Upper

77 100

97 24.0 10.3 30.8



#27

cis-1,2-Dichloroethene

Concen: 1.358 ug/l

RT: 3.63 min Scan# 315

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

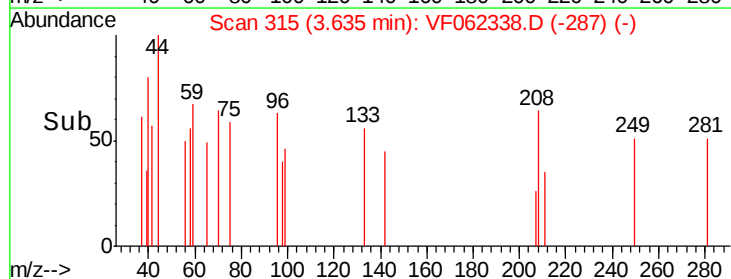
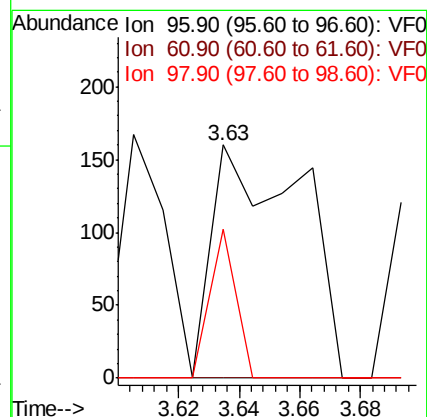
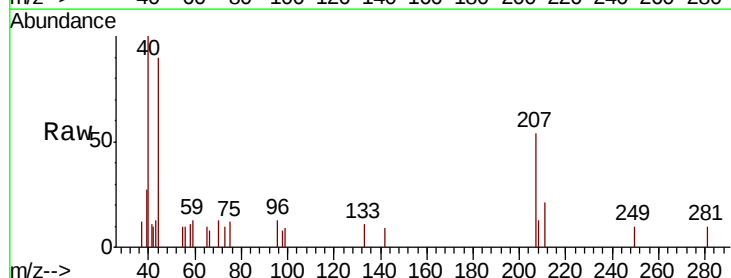
Tgt Ion: 96 Resp: 325

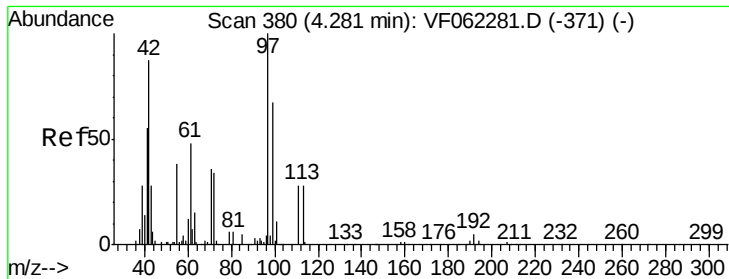
Ion Ratio Lower Upper

96 100

61 0.0 0.0 257.6

98 18.5 0.0 137.4

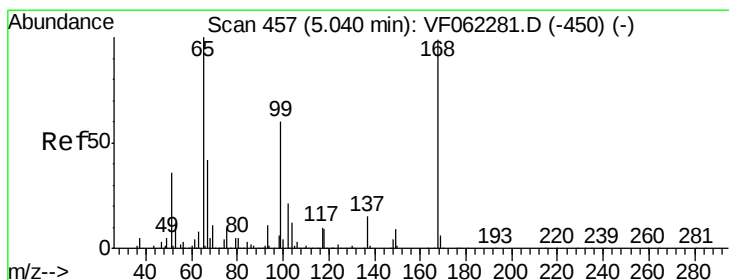
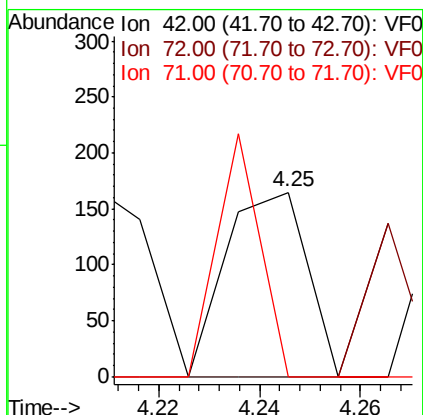
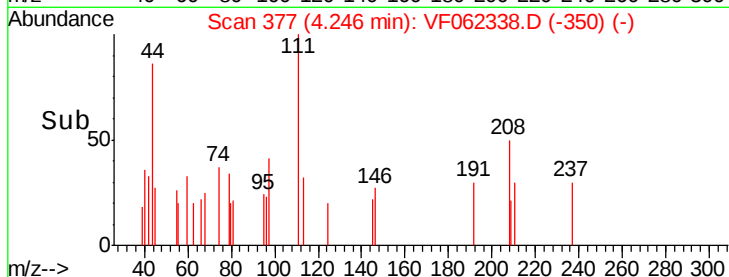
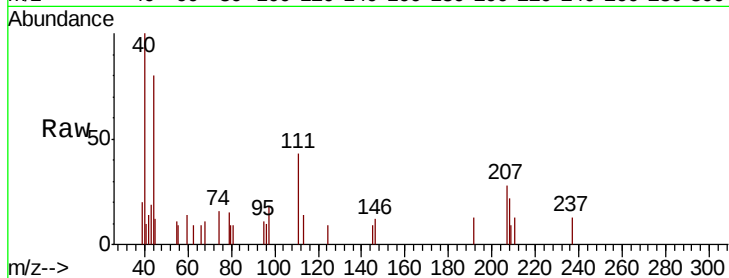




#29
Tetrahydrofuran
Concen: 6.461 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.04 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

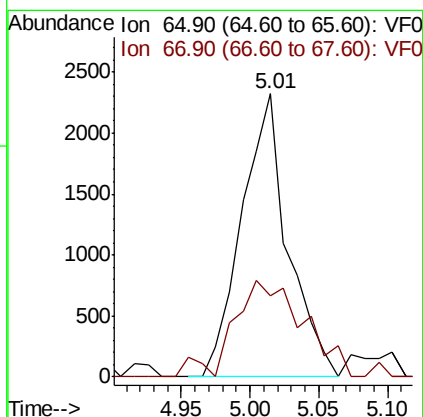
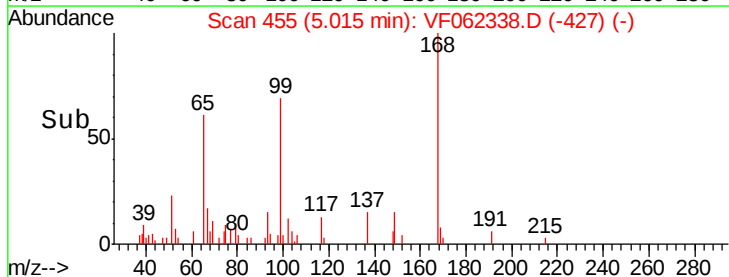
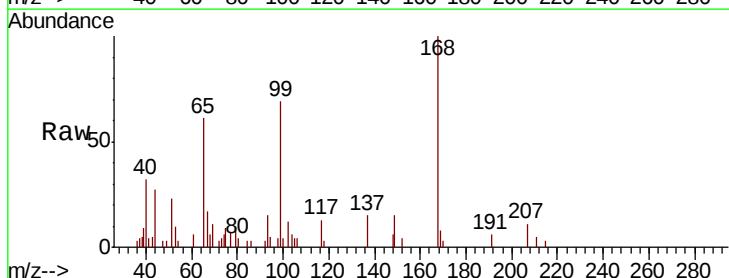
Instrument :
MSVOA_F
ClientSampled :

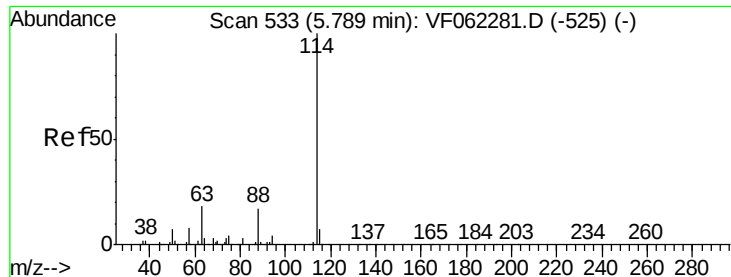
Tot Ion: 42 Resp: 185
Ion Ratio Lower Upper
42 100
72 0.0 29.3 43.9#
71 69.2 31.2 46.8#



#33
1,2-Dichloroethane-d4
Concen: 29.484 ug/l
RT: 5.01 min Scan# 455
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 65 Resp: 5412
Ion Ratio Lower Upper
65 100
67 52.0 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.04 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

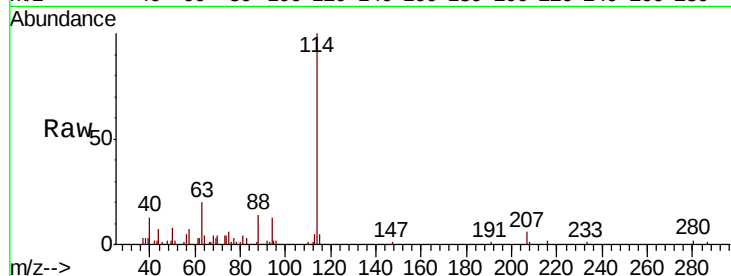
Tot Ion:114 Resp: 25194

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.6

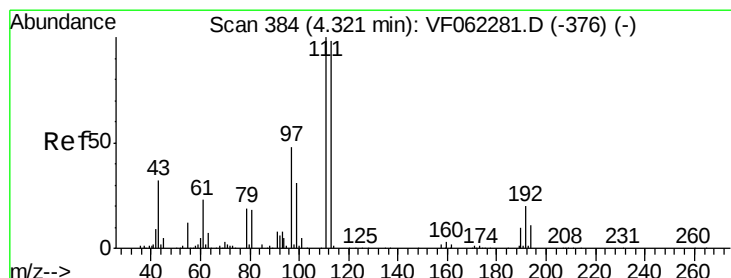
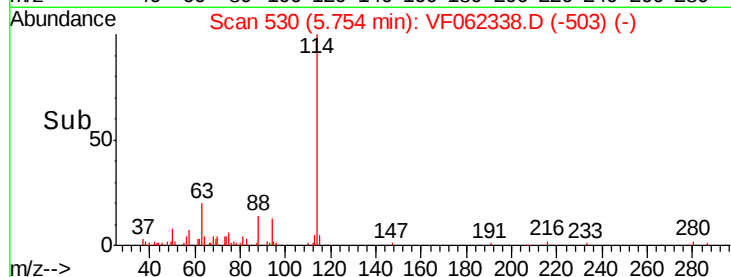
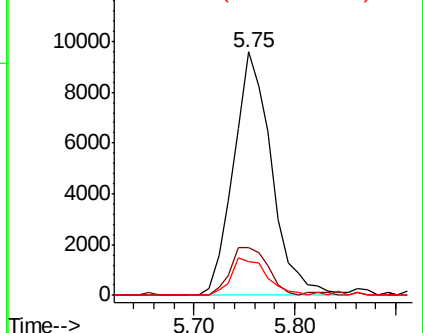
88 13.8 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 42.634 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.04 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

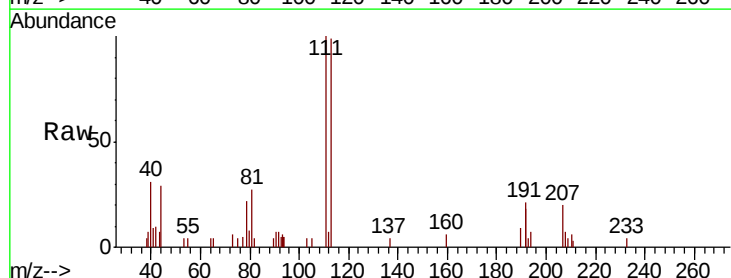
Tgt Ion:113 Resp: 7964

Ion Ratio Lower Upper

113 100

111 109.8 81.4 122.2

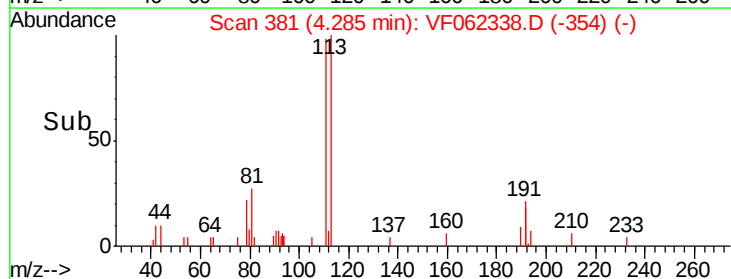
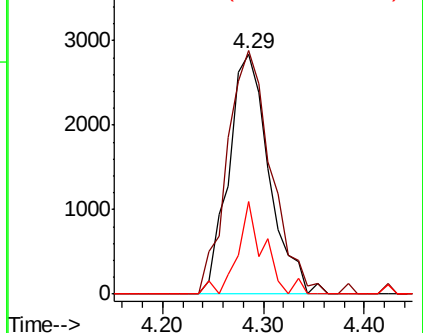
192 23.7 17.0 25.4

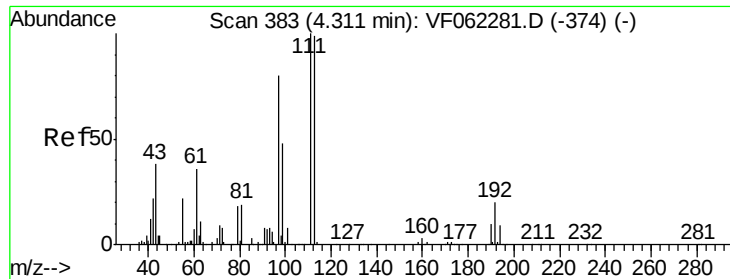


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

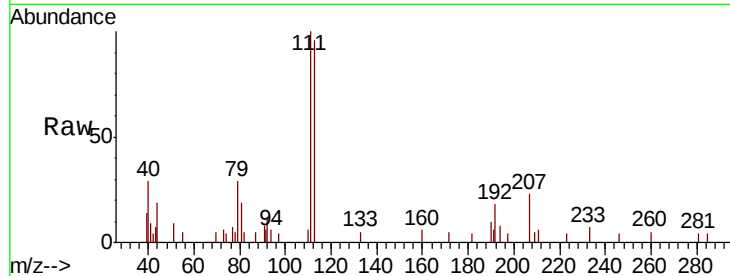




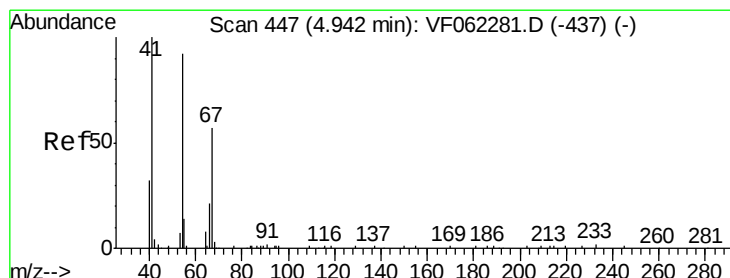
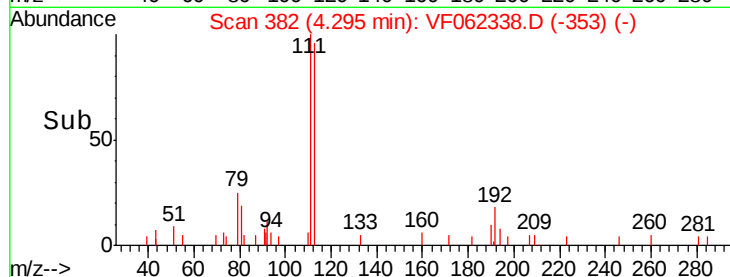
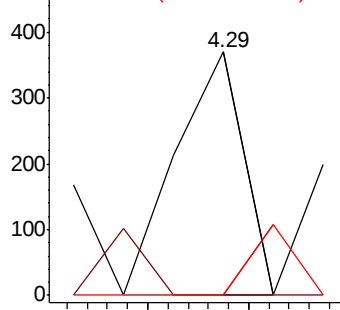
#37
Ethyl Acetate
Concen: 3.528 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
61 0.0 85.8 128.6#
70 18.6 7.3 10.9#

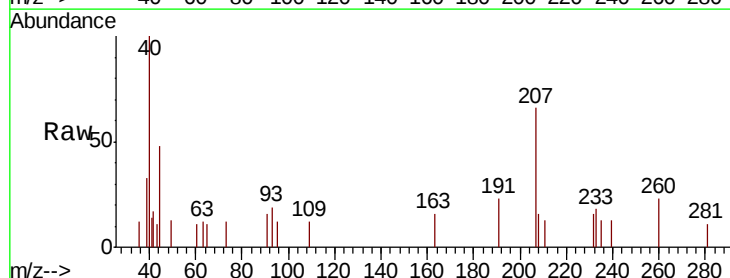


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

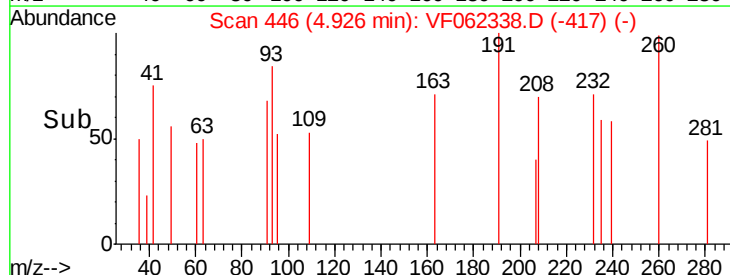
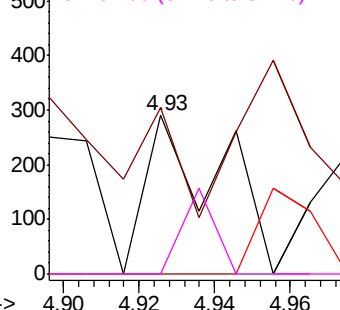


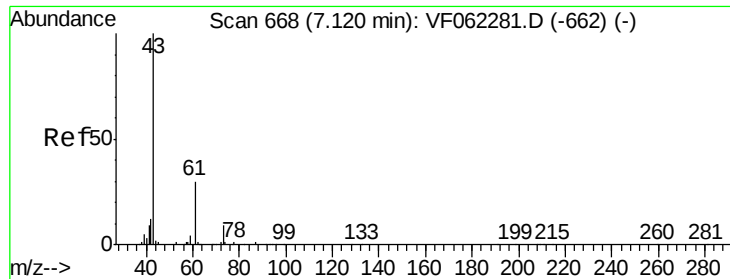
#41
Methacrylonitrile
Concen: 7.271 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 41 Resp: 395
Ion Ratio Lower Upper
41 100
39 0.0 47.3 70.9#
67 0.0 41.3 61.9#
52 23.5 49.4 74.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



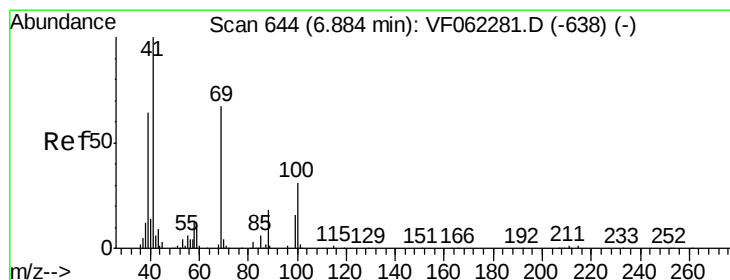
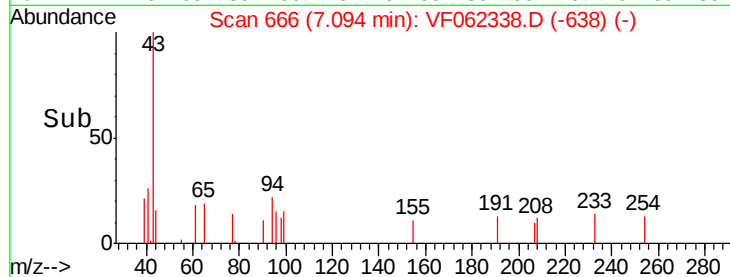
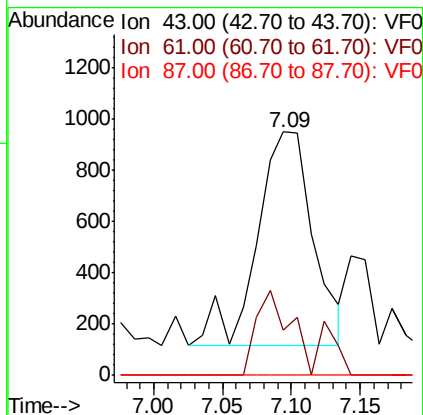
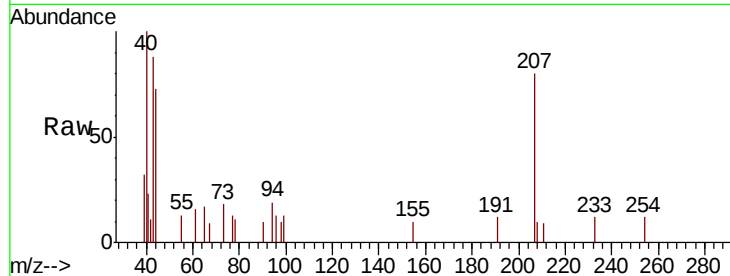


#43

Isopropyl Acetate
 Concen: 23.400 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Instrument :
 MSVOA_F
 ClientSampleId :

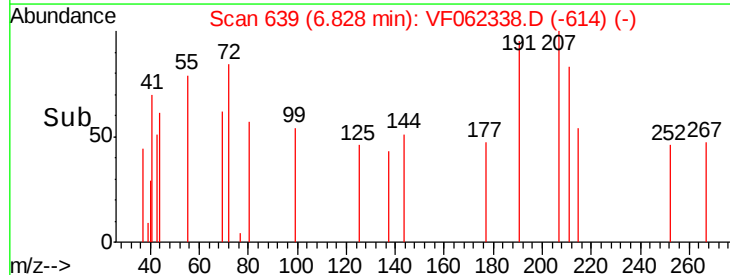
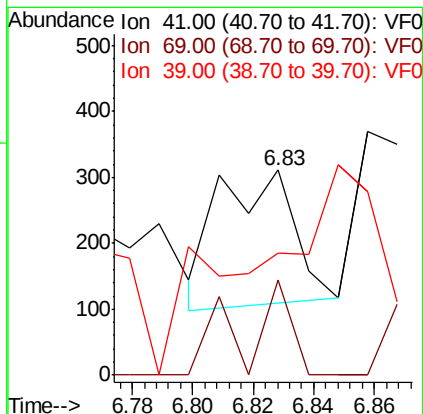
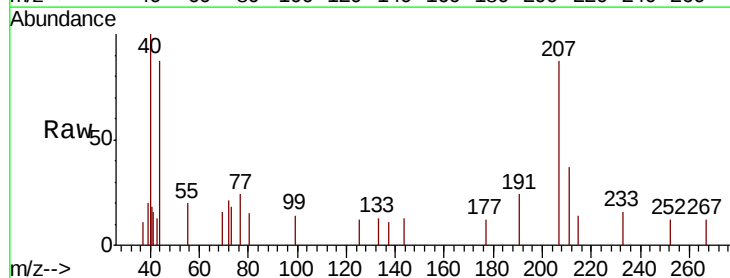
Tot Ion	43	Resp	2356
Ion Ratio	Lower	Upper	
43	100		
61	24.2	23.8	35.6
87	0.0	0.5	0.7#

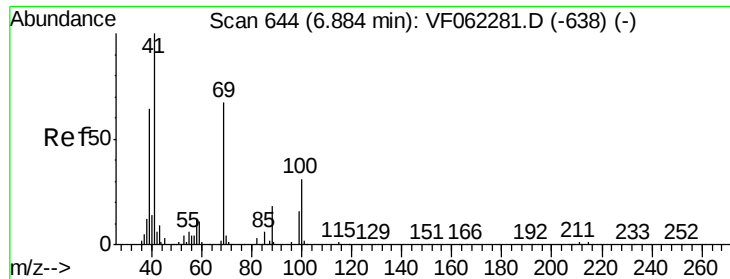


#48

Methyl methacrylate
 Concen: 4.955 ug/l
 RT: 6.83 min Scan# 639
 Delta R.T. -0.06 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Tgt Ion	41	Resp	355
Ion Ratio	Lower	Upper	
41	100		
69	20.0	53.4	80.2#
39	0.0	50.9	76.3#

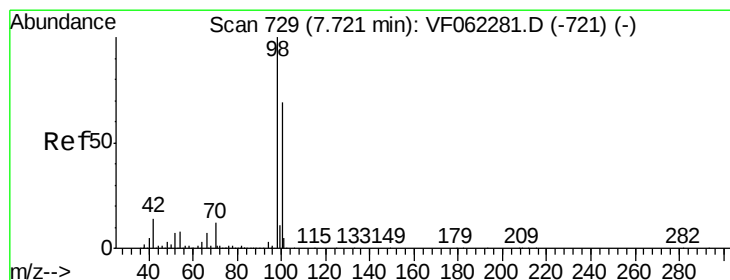
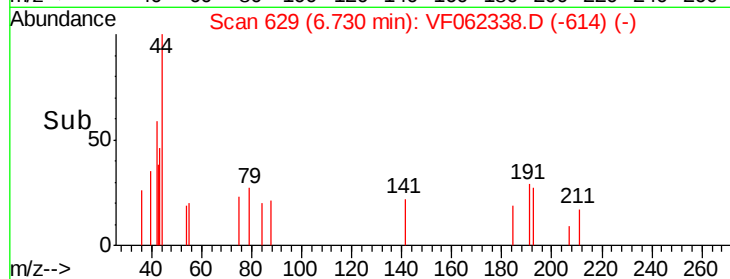
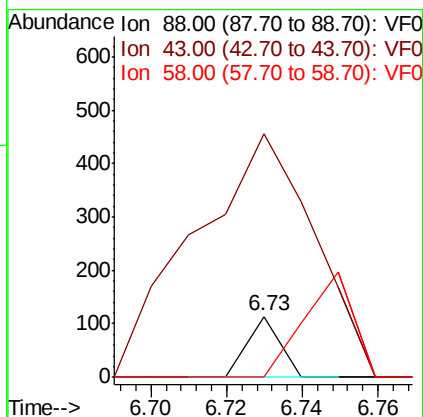
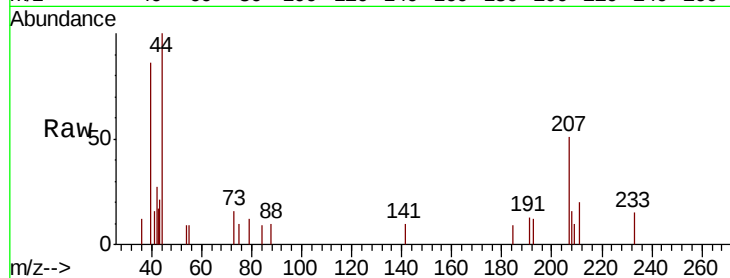




#49
 1,4-Dioxane
 Concen: 81.217 ug/l
 RT: 6.73 min Scan# 629
 Delta R.T. -0.15 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

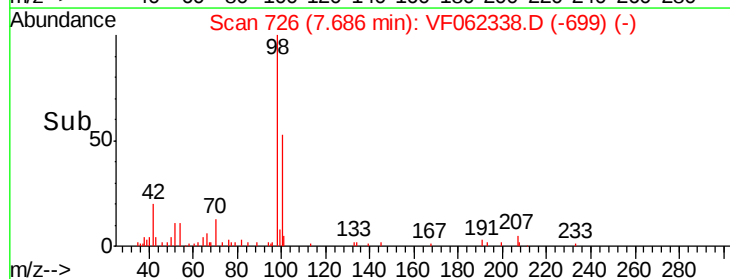
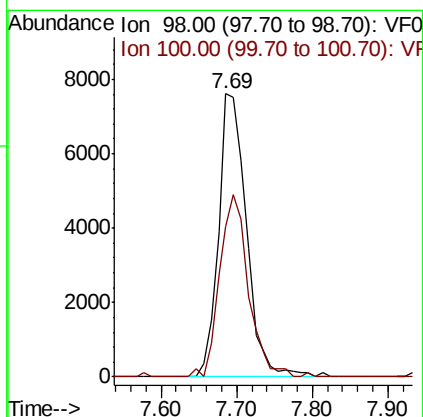
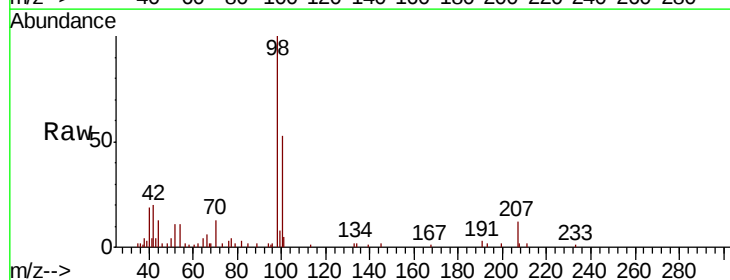
Instrument :
 MSVOA_F
 ClientSampleId :

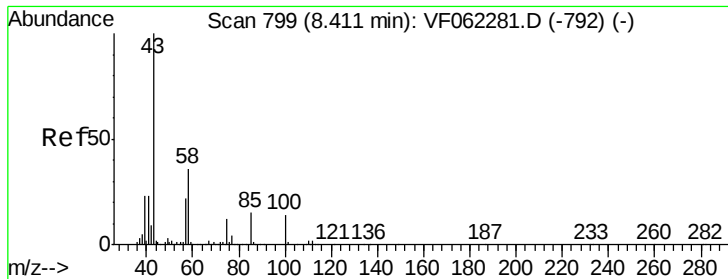
Tot Ion: 88 Resp: 67
 Ion Ratio Lower Upper
 88 100
 43 1495.5 34.2 51.4#
 58 262.7 50.7 76.1#



#50
 Toluene-d8
 Concen: 42.905 ug/l
 RT: 7.69 min Scan# 726
 Delta R.T. -0.04 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Tgt Ion: 98 Resp: 19577
 Ion Ratio Lower Upper
 98 100
 100 65.7 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 104.313 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.04 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

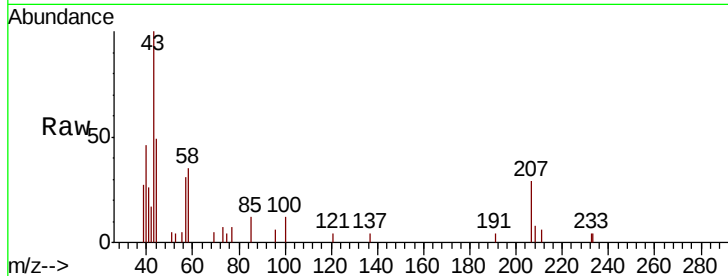
ClientSampleId :

Tot Ion: 43 Resp: 8037

Ion Ratio Lower Upper

43 100

58 31.4 29.1 43.7

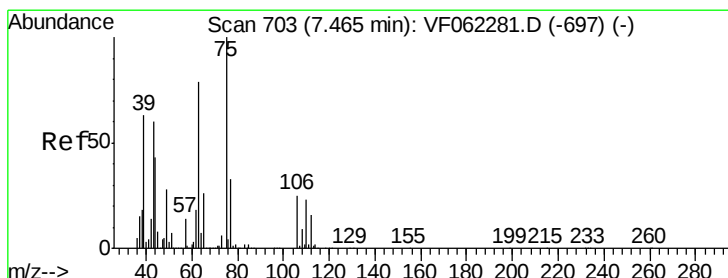
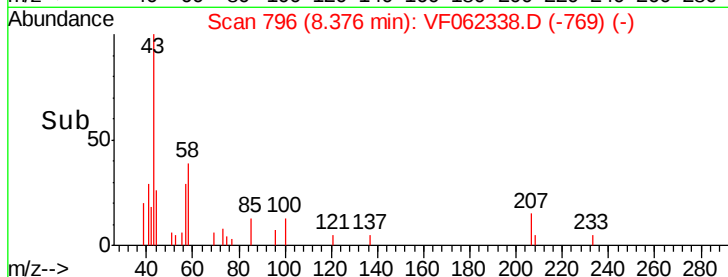


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.017 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.05 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

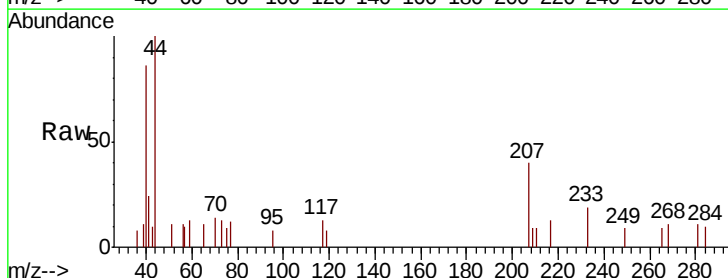
Tgt Ion: 75 Resp: 206

Ion Ratio Lower Upper

75 100

77 131.0 26.5 39.7#

39 126.7 50.2 75.2#



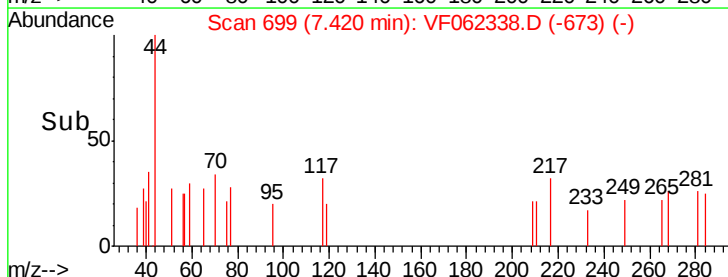
Abundance Ion 74.90 (74.60 to 75.60): VF0

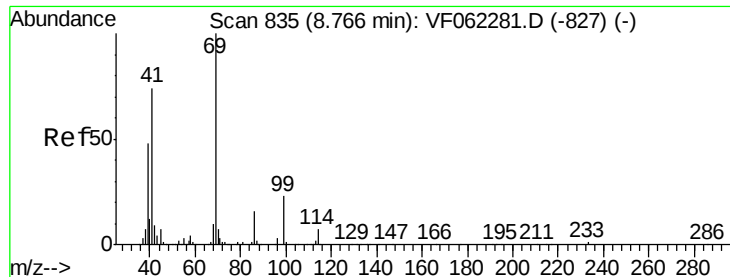
Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.42

Time-->





#56

Ethyl methacrylate

Concen: 36.694 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

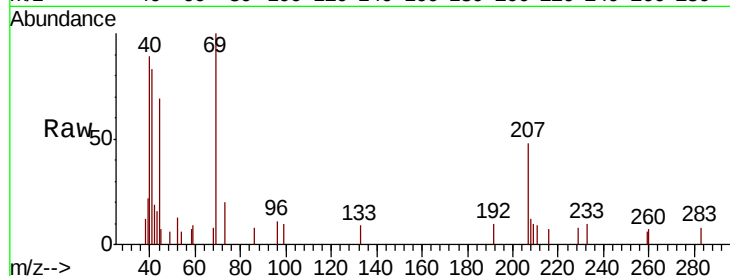
Tot Ion: 69 Resp: 3710

Ion Ratio Lower Upper

69 100

41 86.1 61.5 92.3

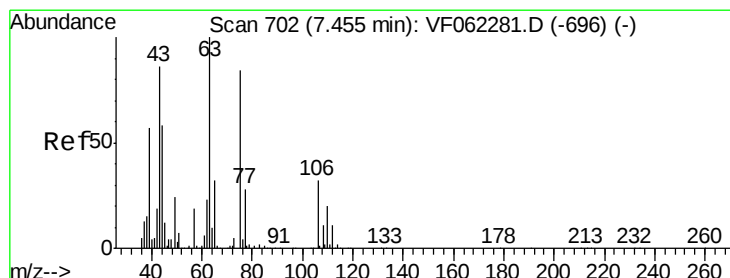
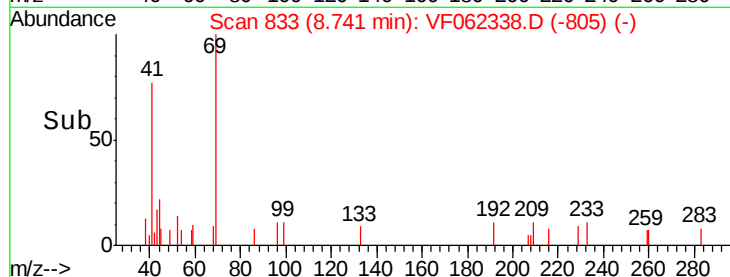
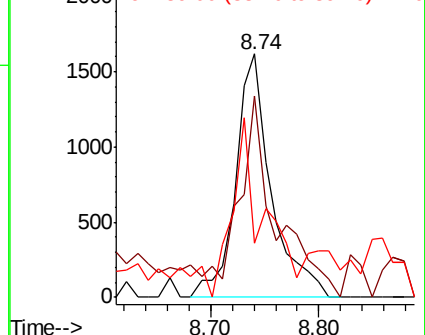
39 64.6 37.9 56.9#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.243 ug/l

RT: 7.39 min Scan# 696

Delta R.T. -0.07 min

Lab File: VF062338.D

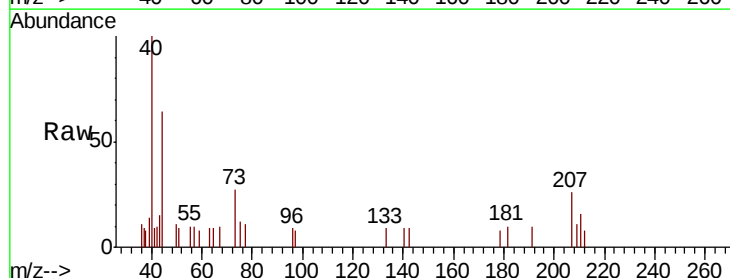
Acq: 30 Apr 2019 18:19

Tgt Ion: 63 Resp: 69

Ion Ratio Lower Upper

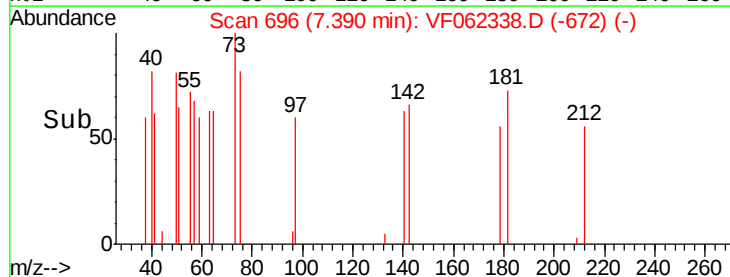
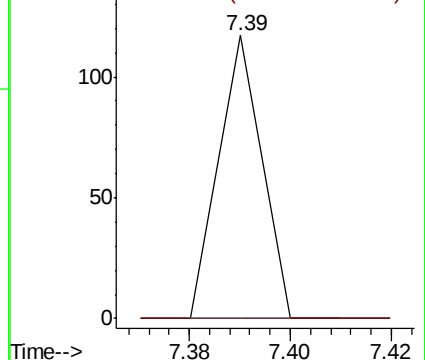
63 100

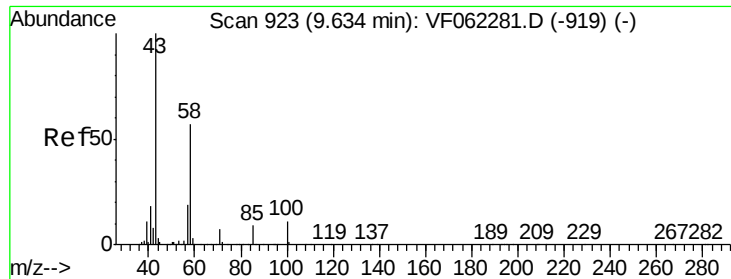
106 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

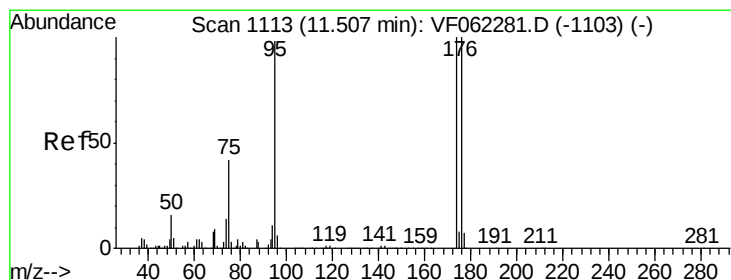
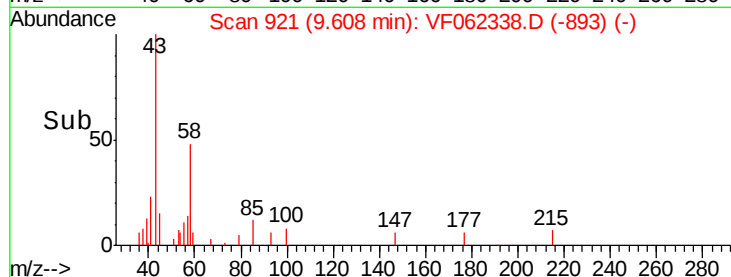
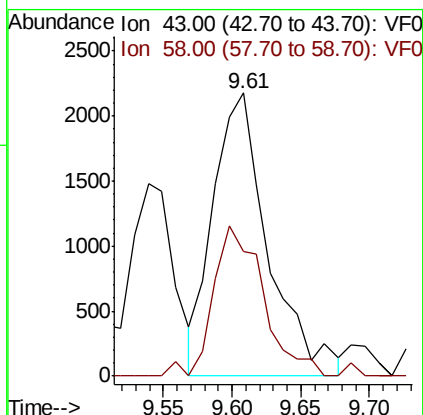
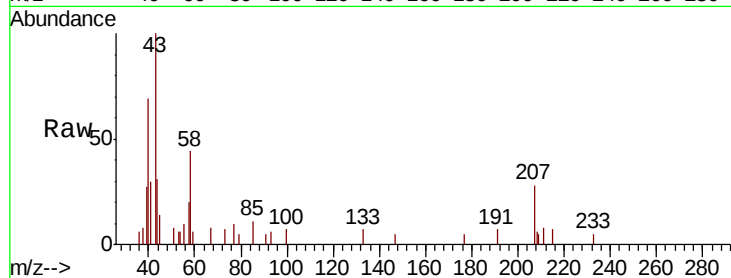




#59
2-Hexanone
Concen: 121.539 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

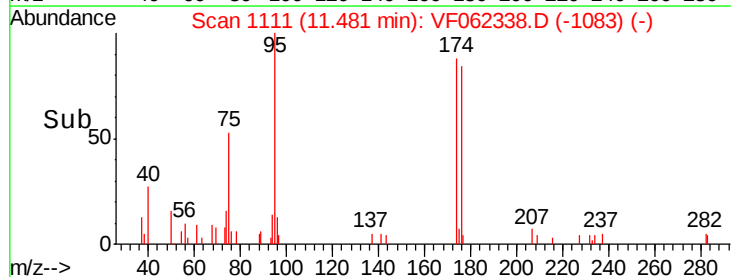
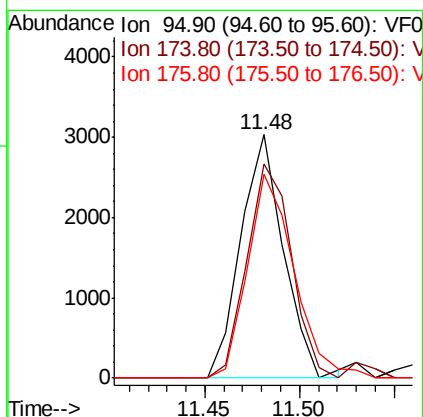
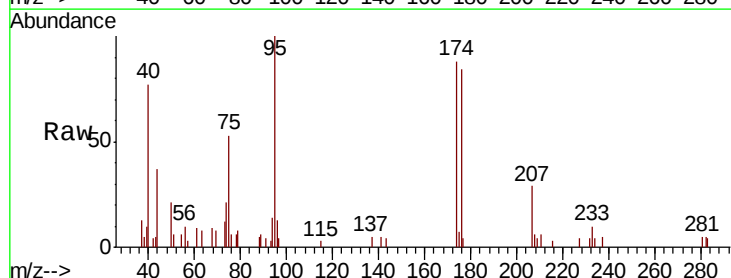
Instrument :
MSVOA_F
ClientSampled :

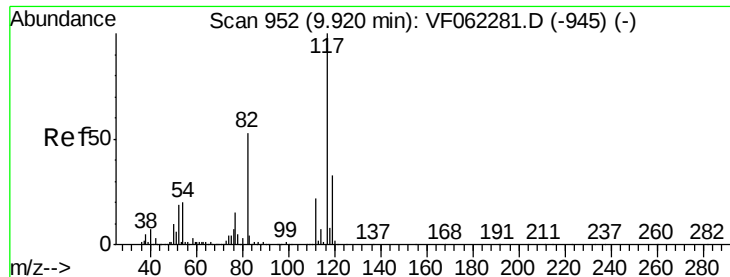
Tot Ion: 43 Resp: 6059
Ion Ratio Lower Upper
43 100
58 48.1 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 25.325 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 95 Resp: 4763
Ion Ratio Lower Upper
95 100
174 91.3 0.0 185.2
176 91.5 0.0 184.8

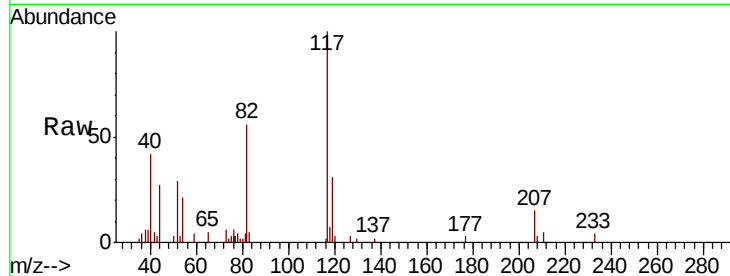




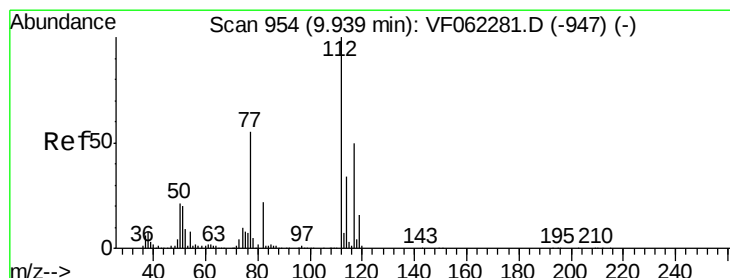
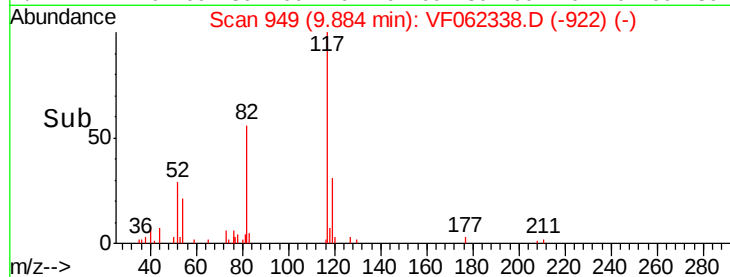
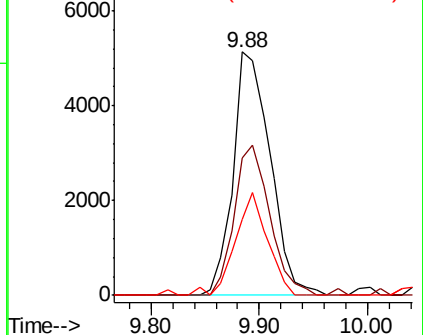
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.04 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 12334
Ion Ratio Lower Upper
117 100
82 56.3 42.6 64.0
119 31.4 26.1 39.1

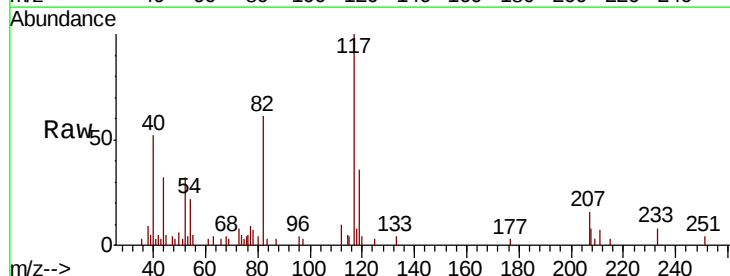


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

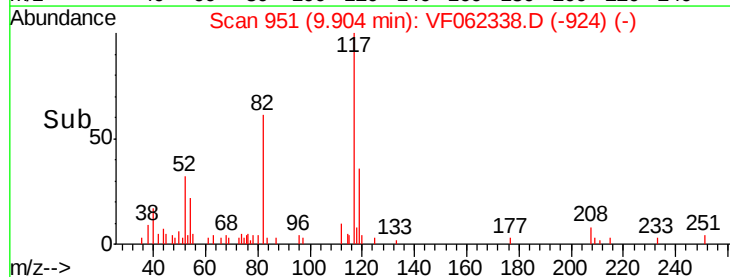
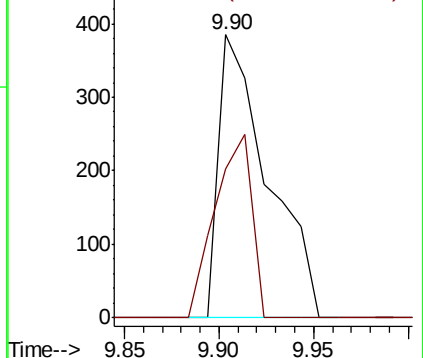


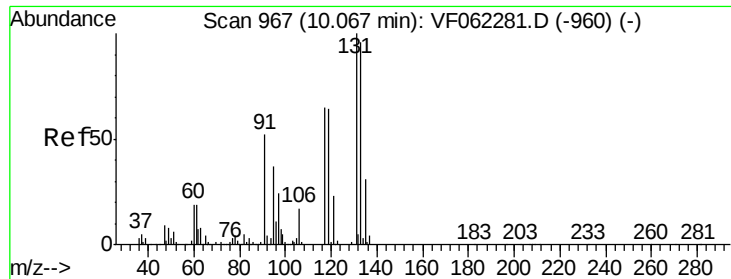
#65
Chlorobenzene
Concen: 3.084 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.04 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion:112 Resp: 695
Ion Ratio Lower Upper
112 100
114 52.5 27.0 40.6#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.639 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.04 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

ClientSampled :

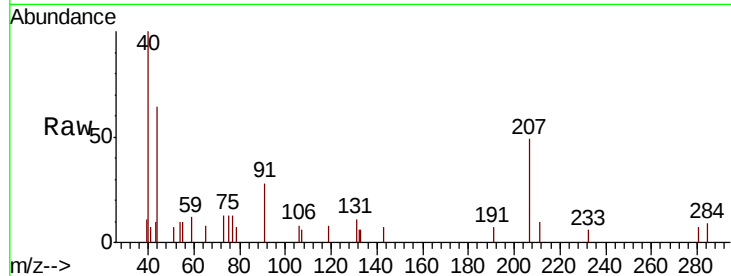
Tot Ion:131 Resp: 174

Ion Ratio Lower Upper

131 100

133 308.0 48.5 145.5#

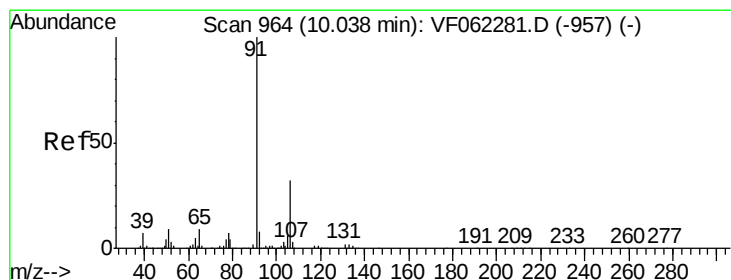
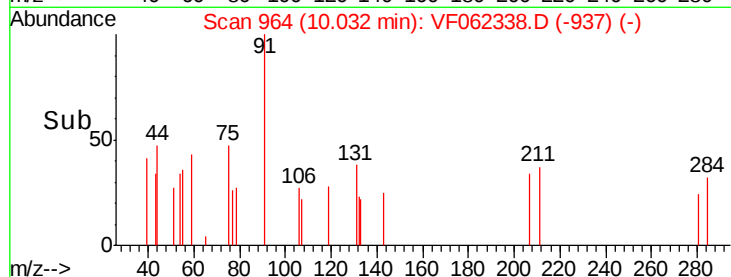
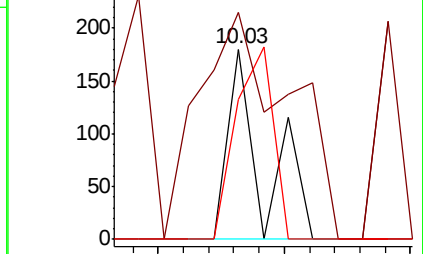
119 106.9 32.9 98.7#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 5.130 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF062338.D

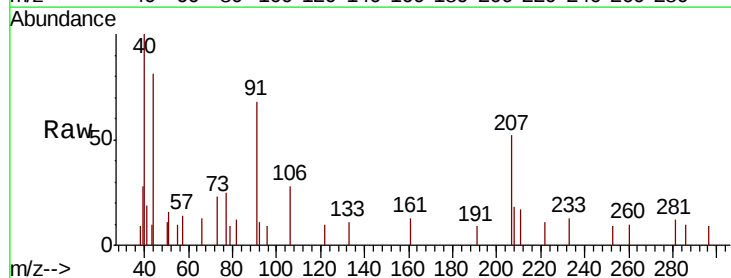
Acq: 30 Apr 2019 18:19

Tgt Ion: 91 Resp: 2010

Ion Ratio Lower Upper

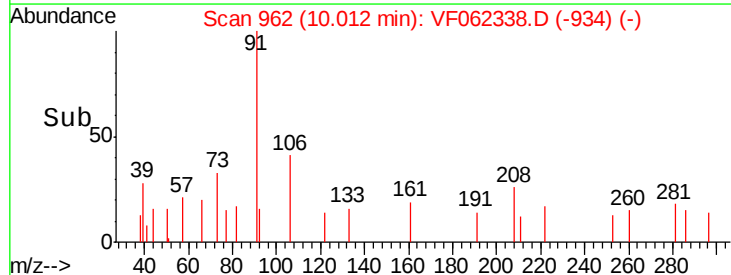
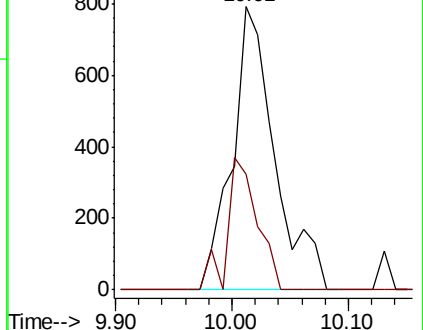
91 100

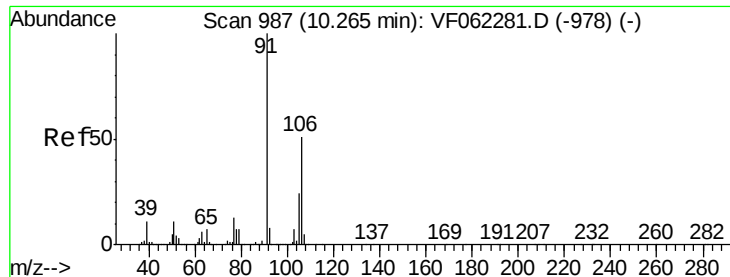
106 40.8 25.6 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

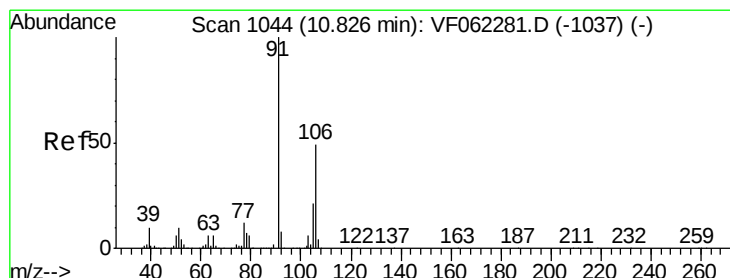
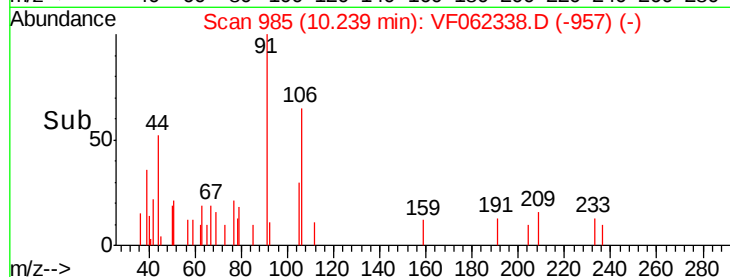
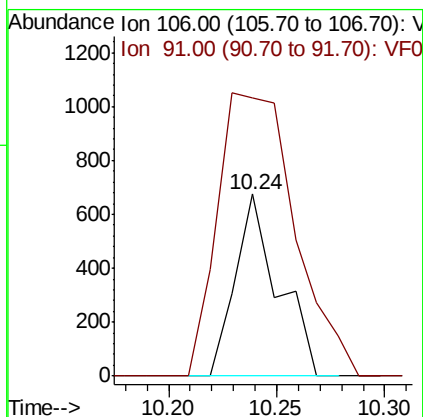
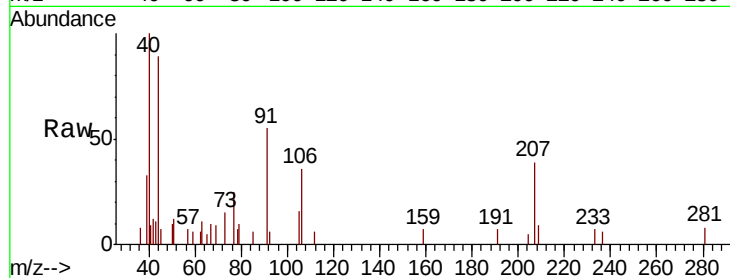




#68
m/p-Xylenes
Concen: 6.423 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

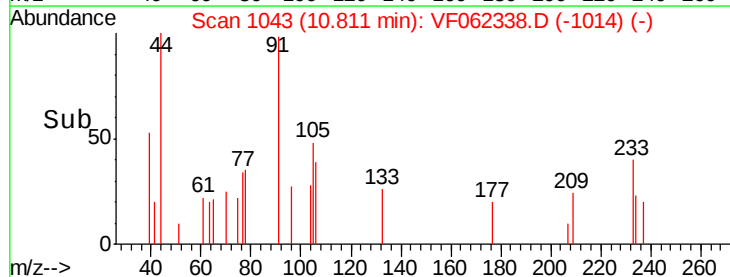
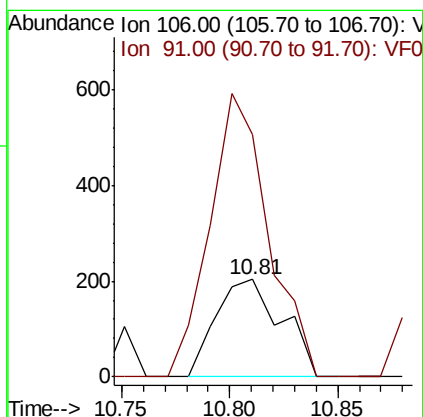
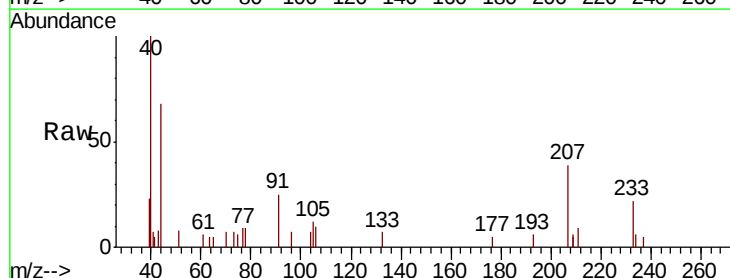
Instrument :
MSVOA_F
ClientSampleId :

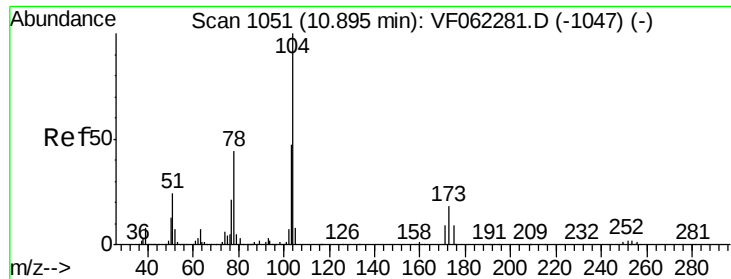
Tot Ion:106 Resp: 937
Ion Ratio Lower Upper
106 100
91 279.0 158.3 237.5#



#69
o-Xylene
Concen: 2.651 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion:106 Resp: 432
Ion Ratio Lower Upper
106 100
91 259.7 110.0 330.0





#70

Stvrene

Concen: 6.239 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

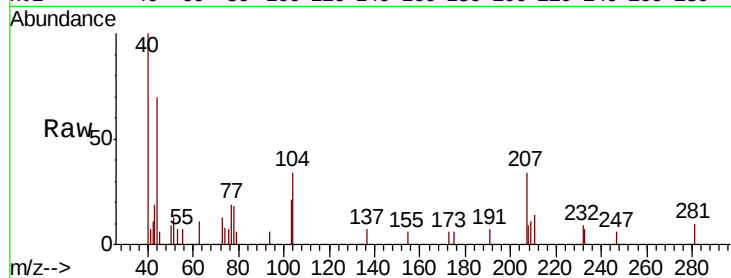
Tot Ion:104 Resp: 1470

Ion Ratio Lower Upper

104 100

78 65.0 35.9 53.9#

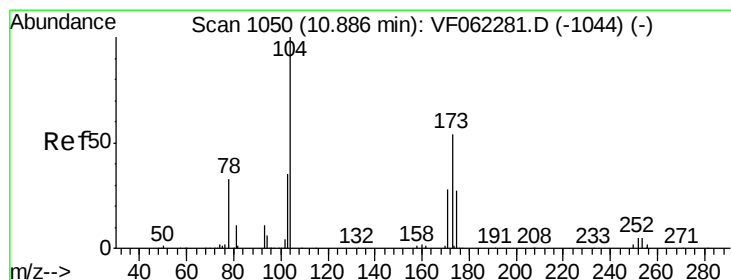
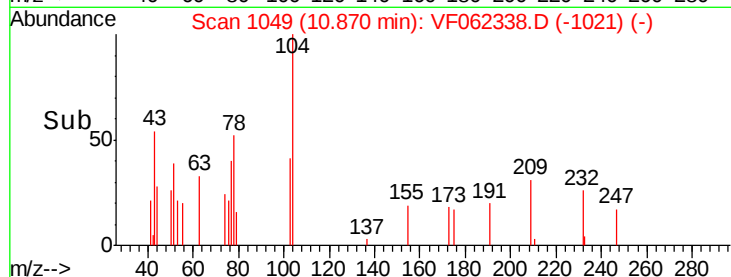
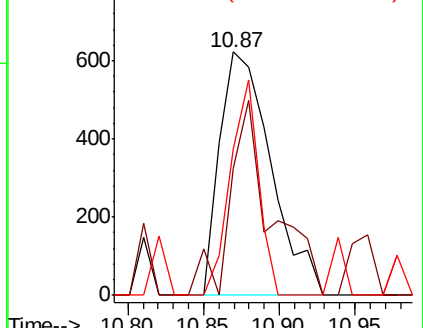
103 48.4 37.5 56.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 1.088 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

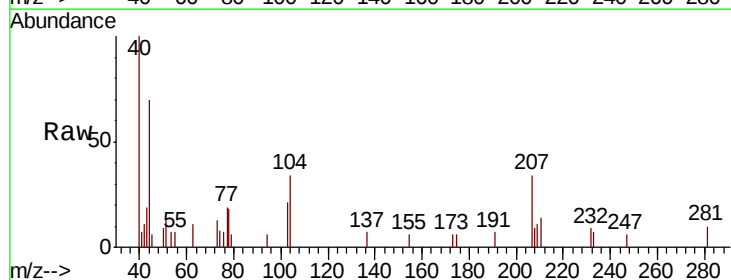
Tgt Ion:173 Resp: 65

Ion Ratio Lower Upper

173 100

175 98.5 25.3 75.9#

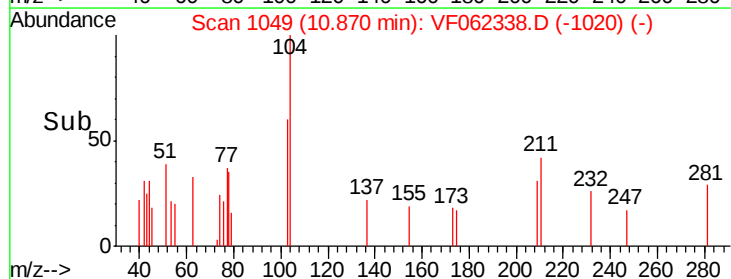
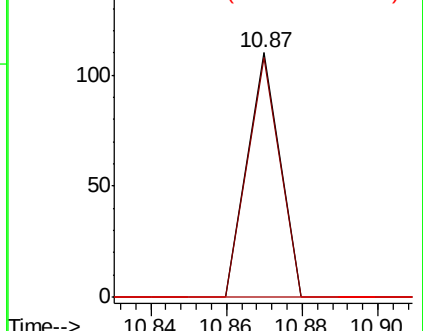
254 0.0 0.1 0.1#

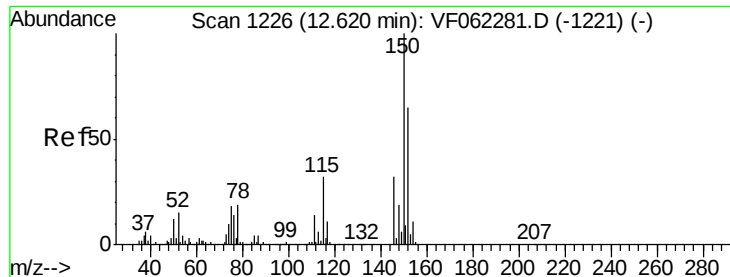


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



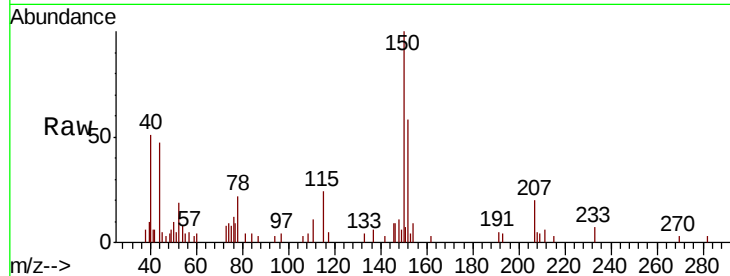


#72

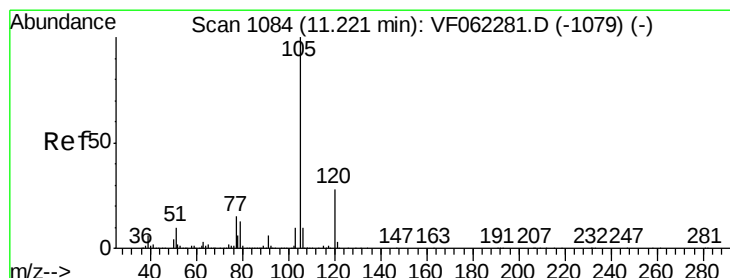
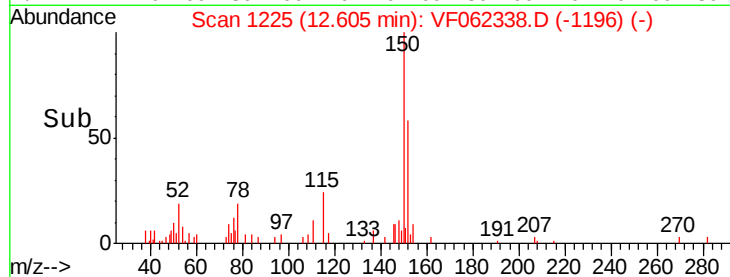
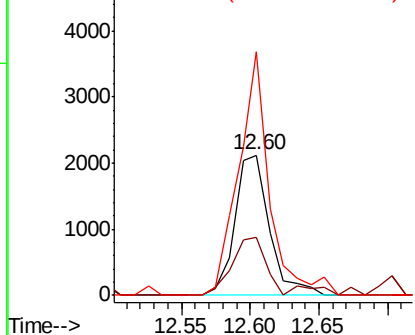
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	44.0	25.6	76.8
150	154.5	0.0	330.6



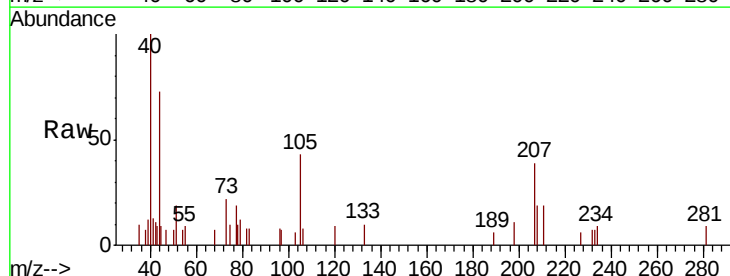
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



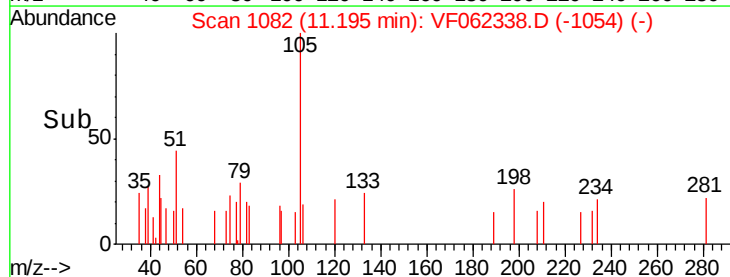
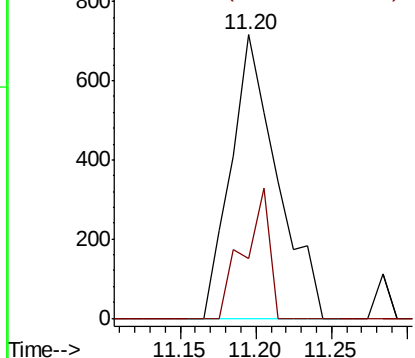
#73

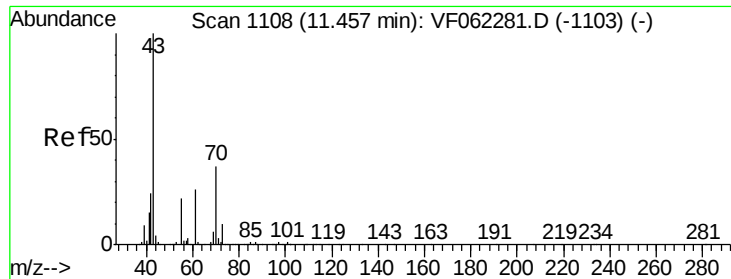
Isopropylbenzene
Concen: 5.948 ug/l
RT: 11.20 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.4	37.2



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

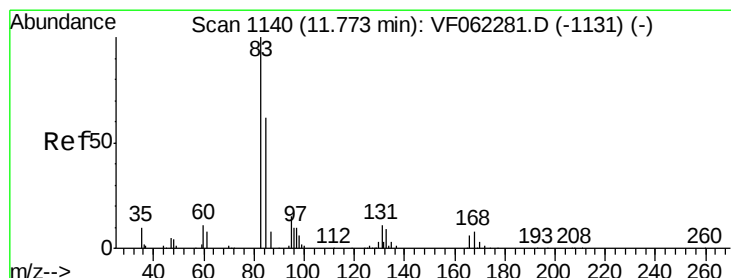
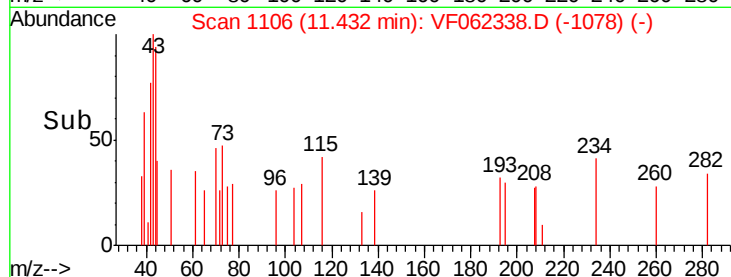
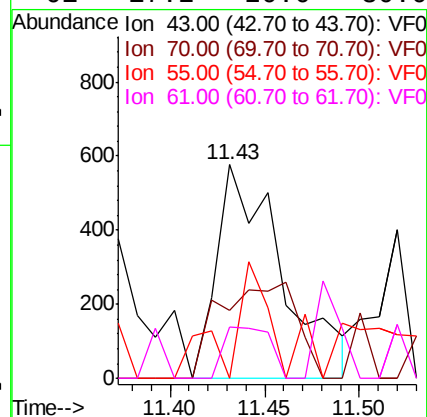
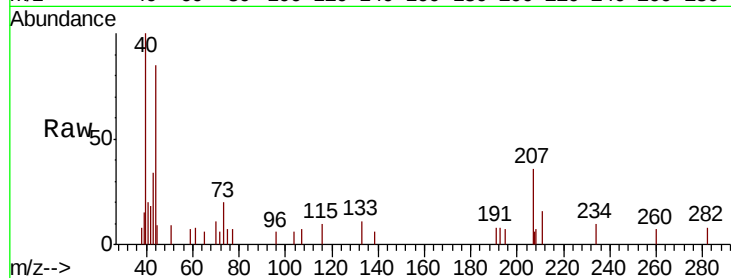




#74
N-amvl acetate
Concen: 23.485 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

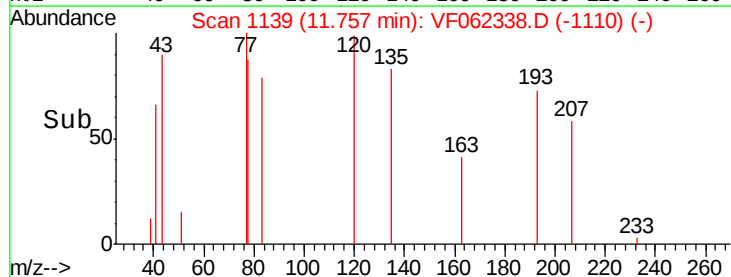
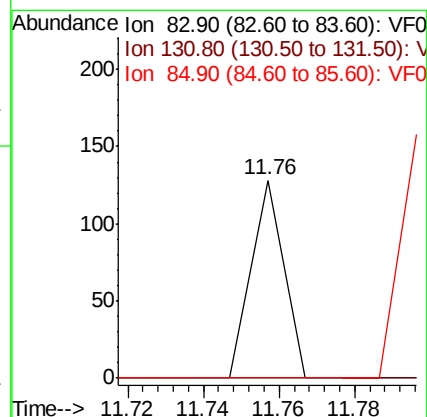
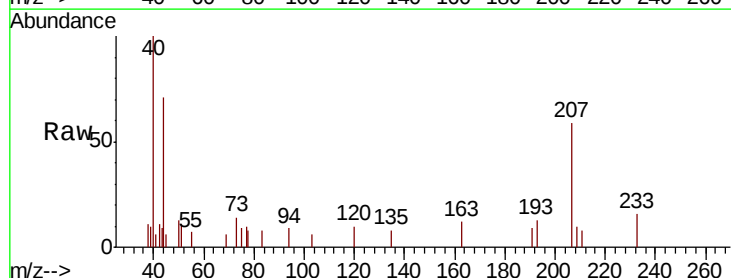
Instrument :
MSVOA_F
ClientSampled :

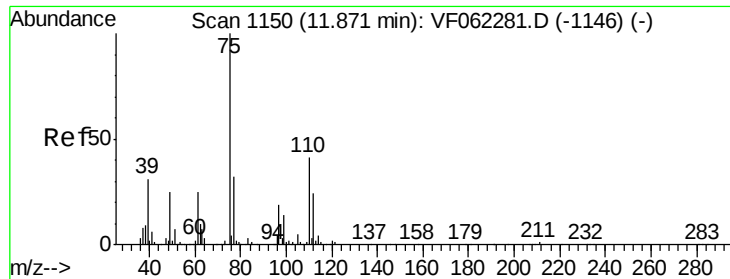
Tot Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
70 0.0 27.8 41.8#
55 31.9 16.6 24.8#
61 17.2 20.0 30.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.874 ug/l
RT: 11.76 min Scan# 1139
Delta R.T. -0.02 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion: 83 Resp: 76
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 34.5 103.6#





#76

1,2,3-Trichloropropane

Concen: 13.765 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

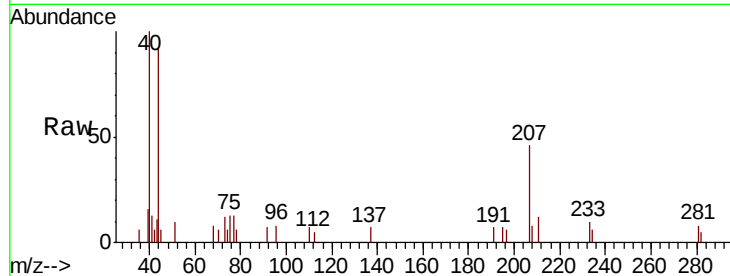
ClientSampled :

Tot Ion: 75 Resp: 396

Ion Ratio Lower Upper

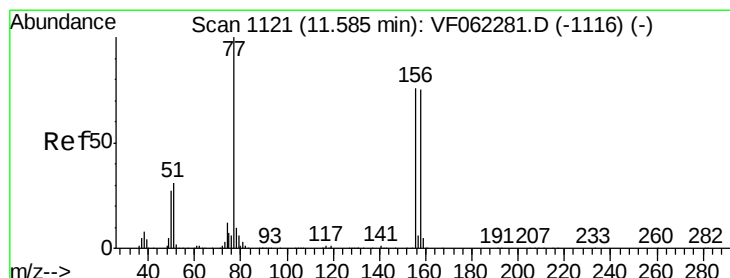
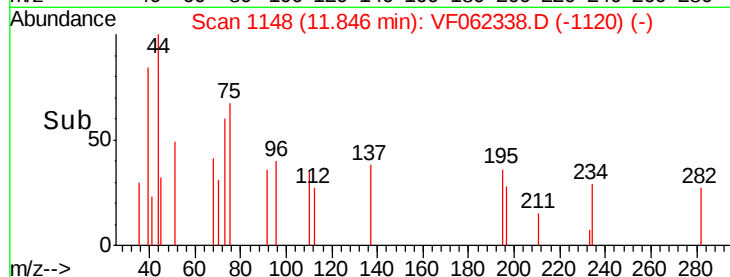
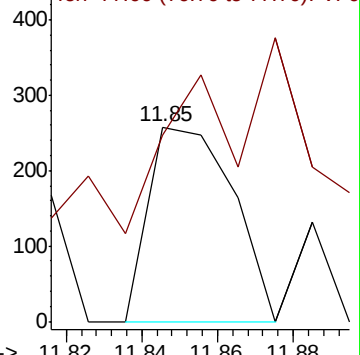
75 100

77 95.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 7.178 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

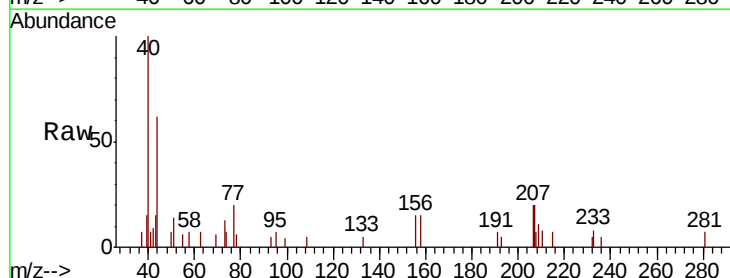
Tgt Ion: 156 Resp: 458

Ion Ratio Lower Upper

156 100

77 215.7 67.3 201.9#

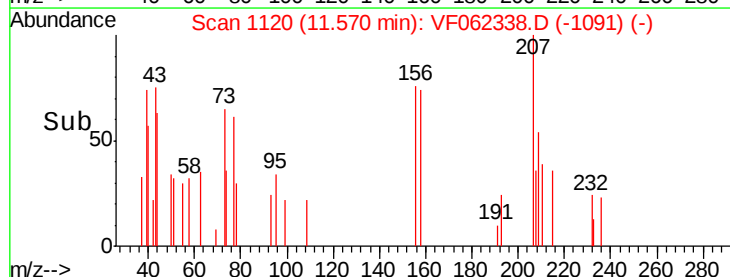
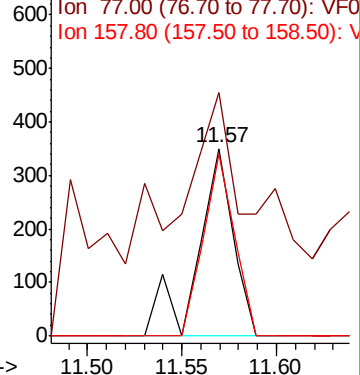
158 84.9 49.5 148.5

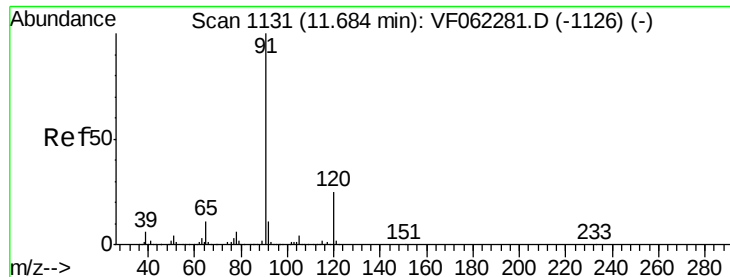


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 7.999 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

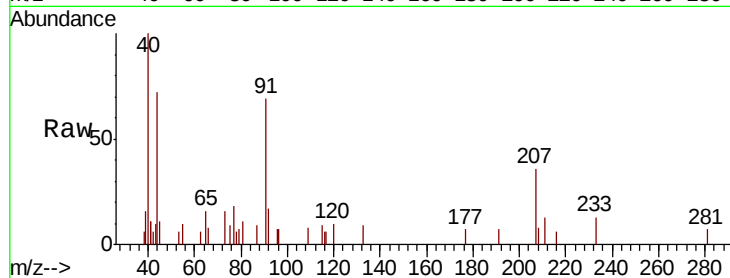
ClientSampleId :

Tot Ion: 91 Resp: 2148

Ion Ratio Lower Upper

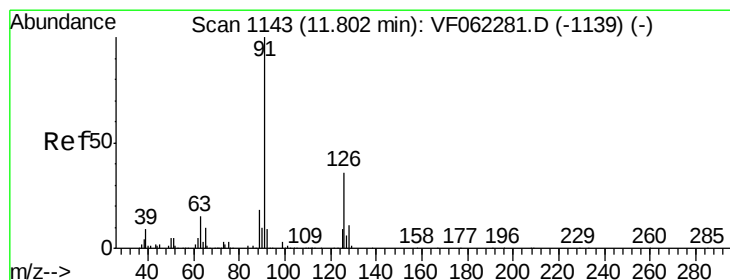
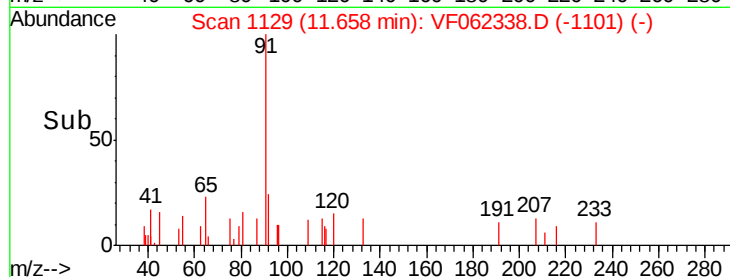
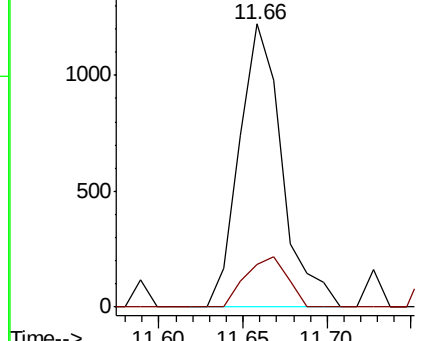
91 100

120 17.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 8.531 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF062338.D

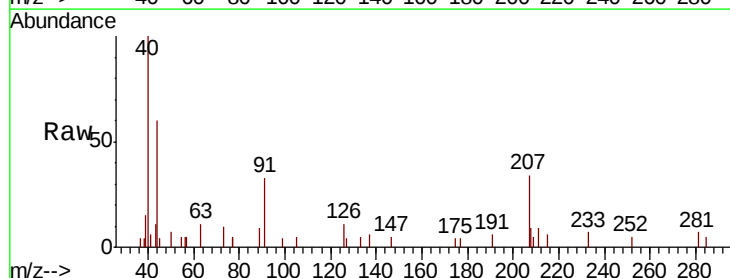
Acq: 30 Apr 2019 18:19

Tgt Ion: 91 Resp: 1380

Ion Ratio Lower Upper

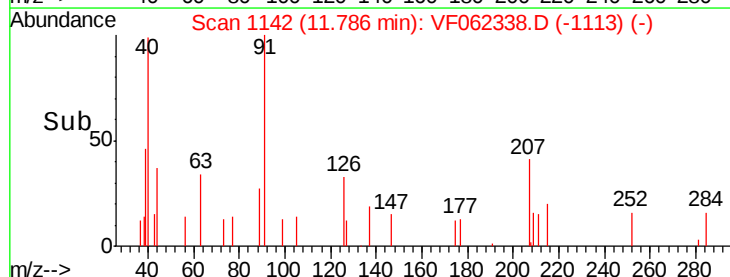
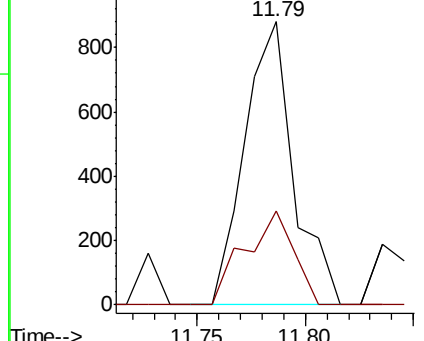
91 100

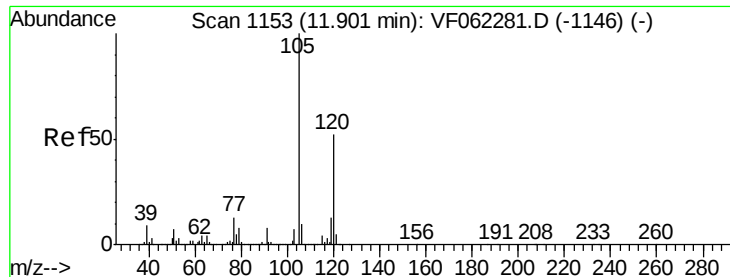
126 33.3 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 5.273 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

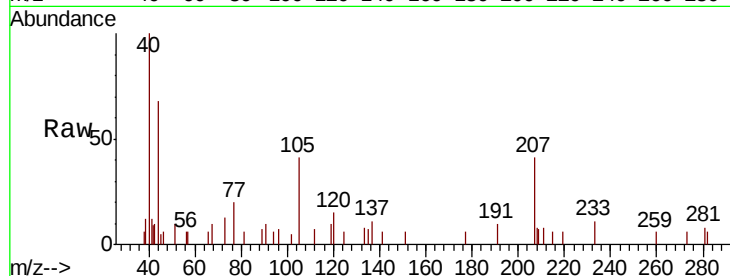
ClientSampleId :

Tot Ion:105 Resp: 1136

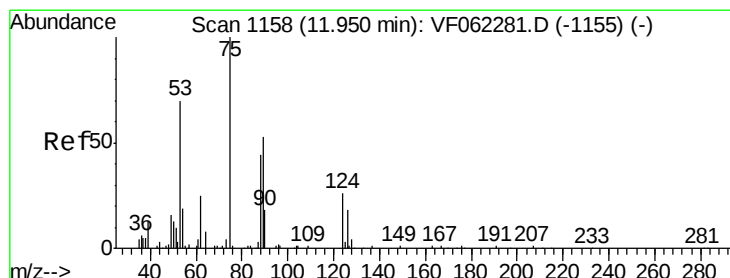
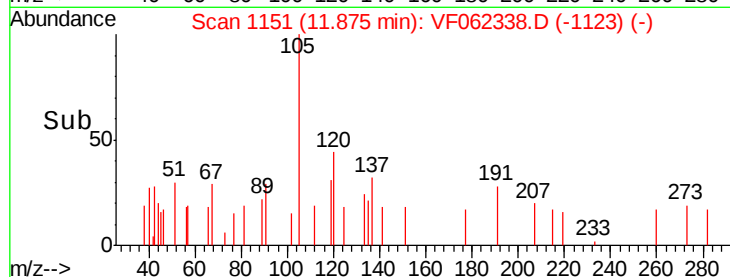
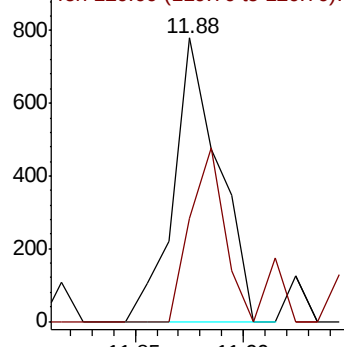
Ion Ratio Lower Upper

105 100

120 46.8 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 27.295 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

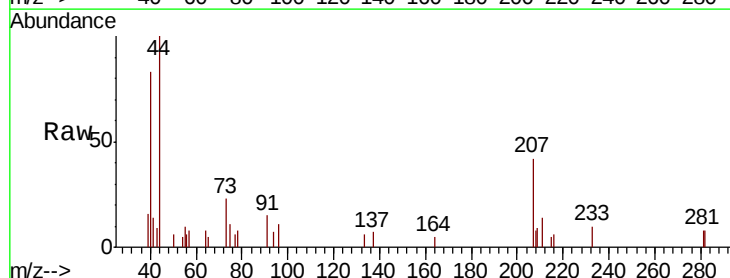
Tgt Ion: 75 Resp: 351

Ion Ratio Lower Upper

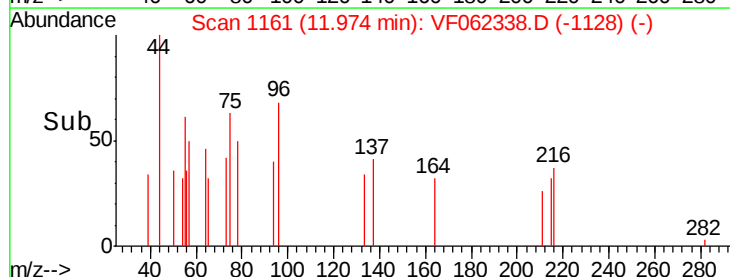
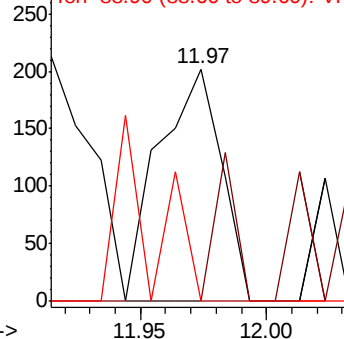
75 100

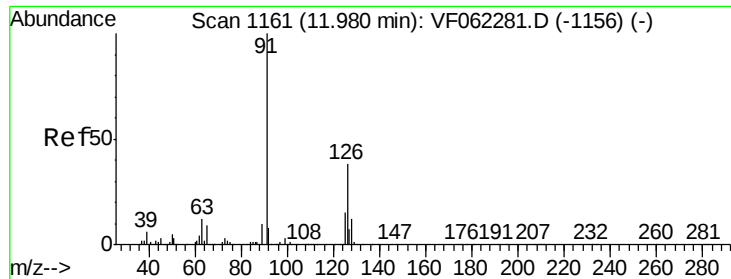
53 21.7 67.1 100.7#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0





#82

4-Chlorotoluene

Concen: 8.303 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

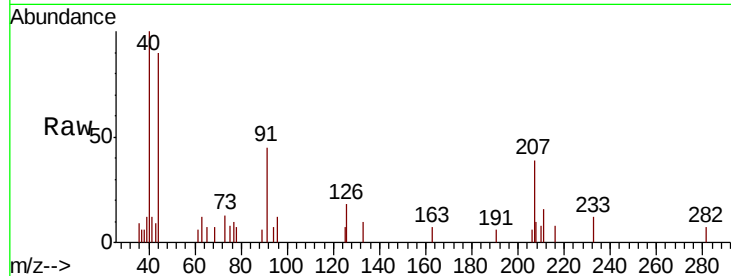
ClientSampled :

Tot Ion: 91 Resp: 1329

Ion Ratio Lower Upper

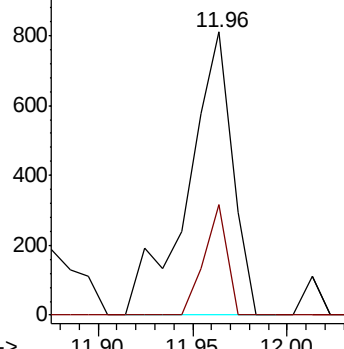
91 100

126 20.0 17.3 52.0

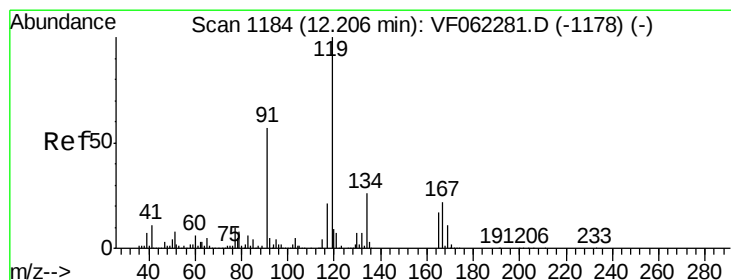
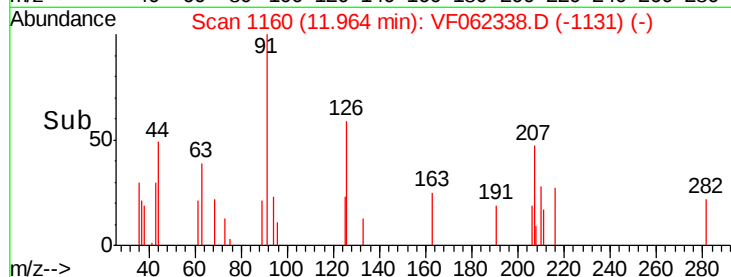


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



Time-->



#83

tert-Butylbenzene

Concen: 5.097 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.03 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

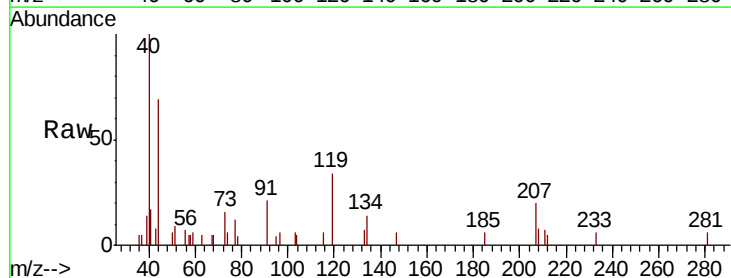
Tgt Ion: 119 Resp: 1127

Ion Ratio Lower Upper

119 100

91 61.0 29.4 88.2

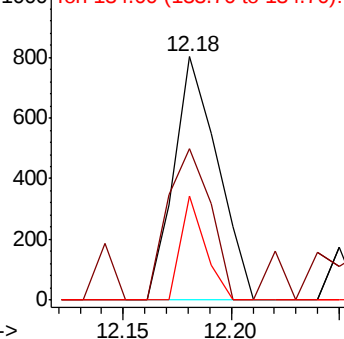
134 24.0 11.9 35.7



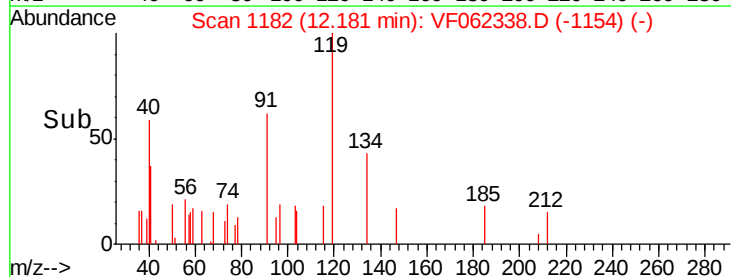
Abundance Ion 119.00 (118.70 to 119.70): V

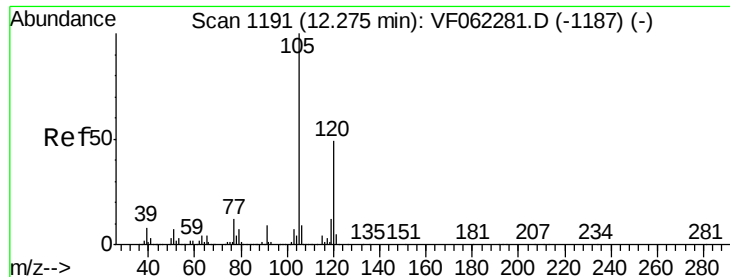
Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->

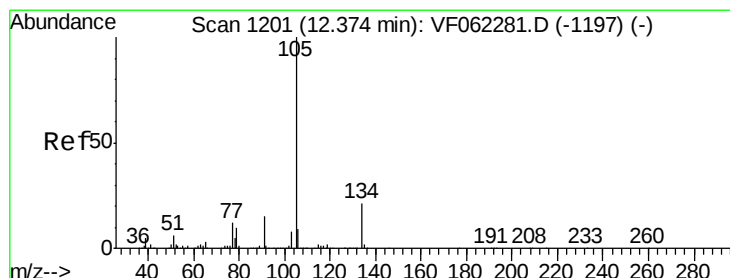
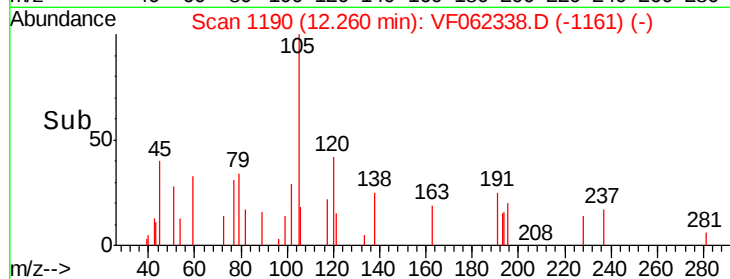
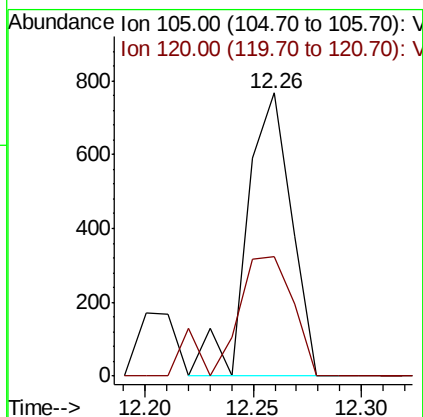
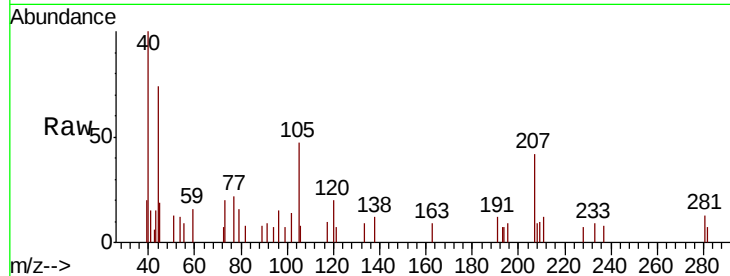




#84
 1,2,4-Trimethylbenzene
 Concen: 5.291 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

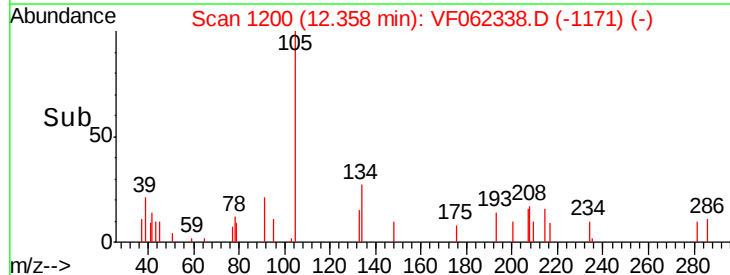
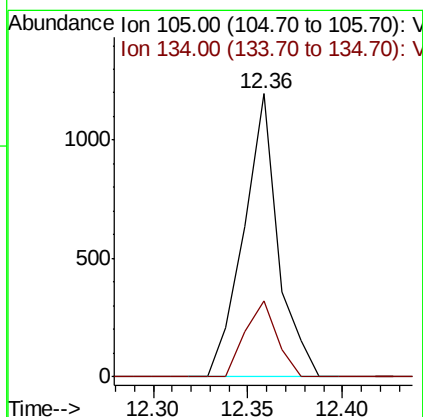
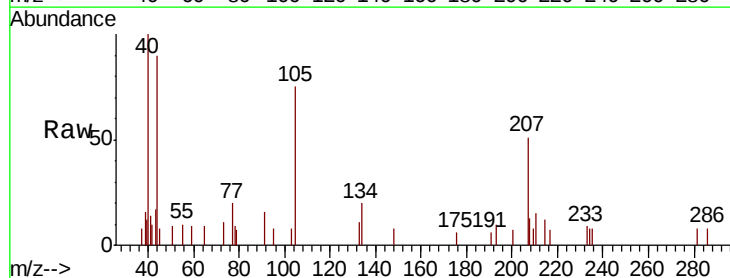
Instrument :
 MSVOA_F
 ClientSampled :

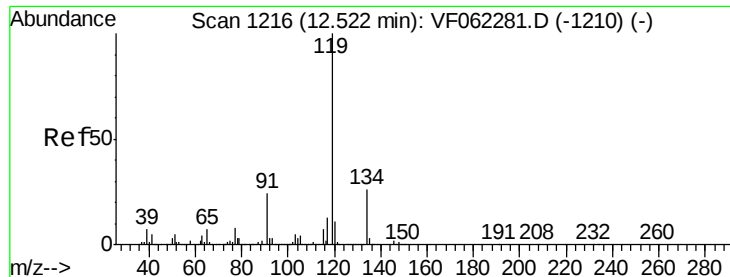
Tot Ion:105 Resp: 1104
 Ion Ratio Lower Upper
 105 100
 120 57.4 24.1 72.2



#85
 sec-Butylbenzene
 Concen: 5.472 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Tgt Ion:105 Resp: 1507
 Ion Ratio Lower Upper
 105 100
 134 24.6 10.2 30.4

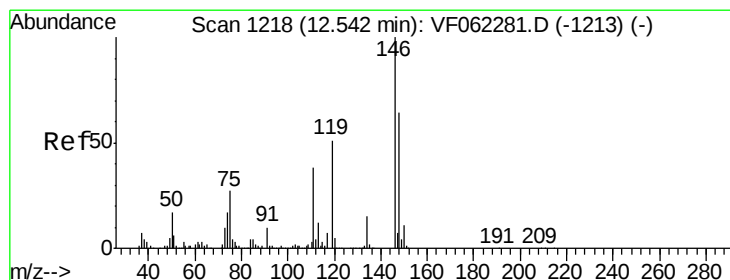
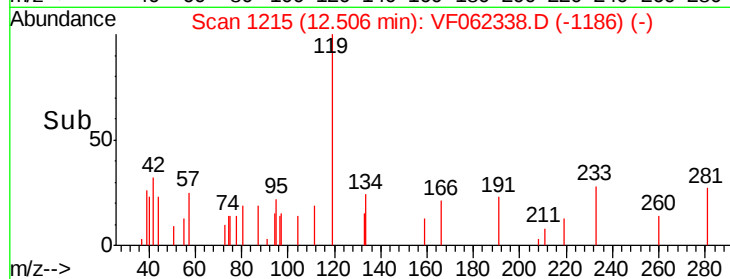
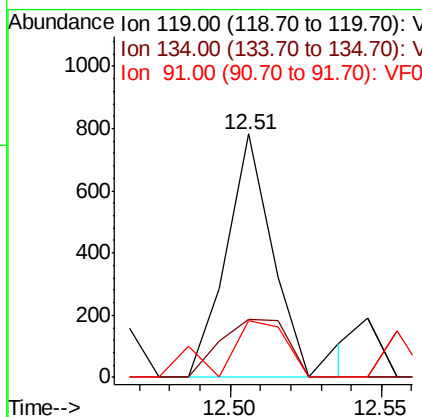
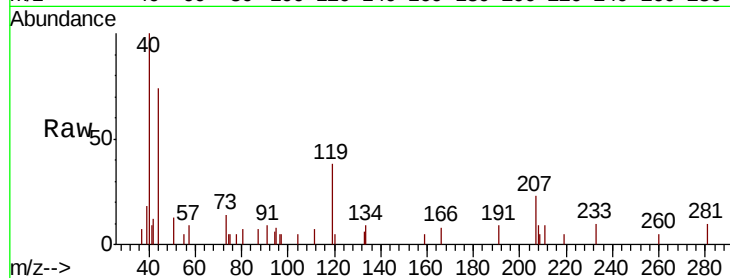




#86
 p-Isopropyltoluene
 Concen: 3.592 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

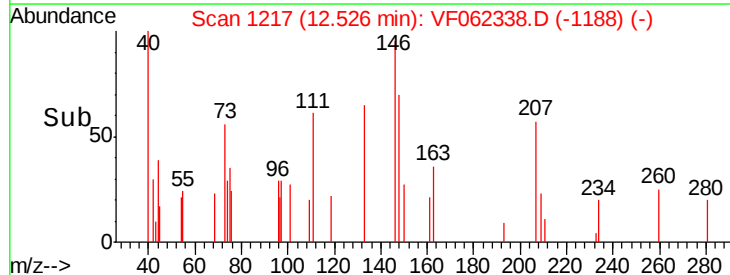
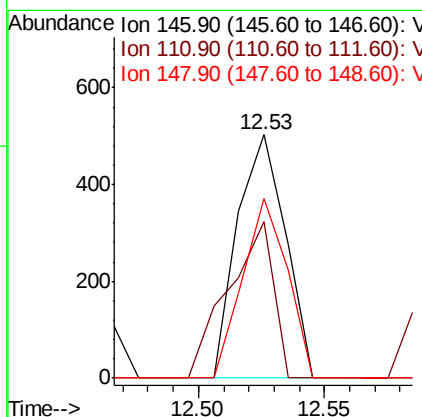
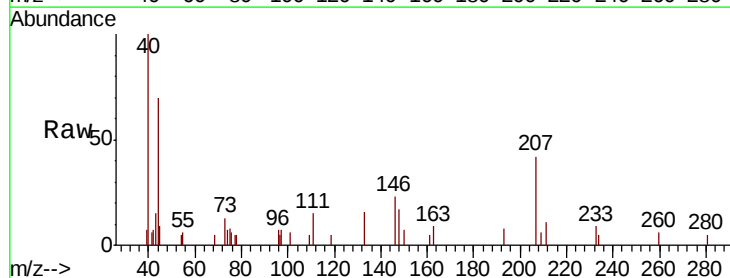
Instrument :
 MSVOA_F
 ClientSampled :

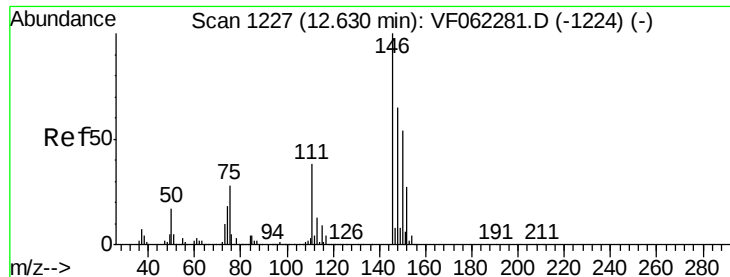
Tot Ion	Ratio	Lower	Upper
119	100		
134	32.4	13.2	39.5
91	30.0	11.6	34.7



#87
 1,3-Dichlorobenzene
 Concen: 5.891 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.6	18.6	55.8#
148	68.4	32.8	98.4





#88

1,4-Dichlorobenzene

Concen: 8.568 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VF062338.D

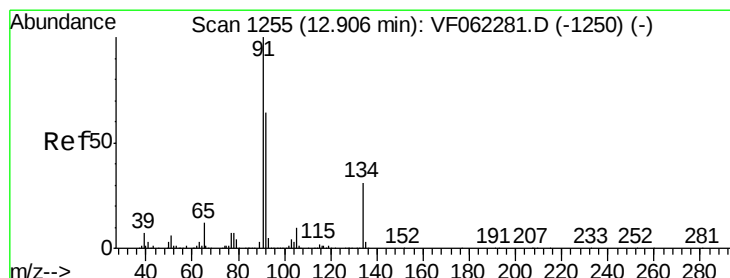
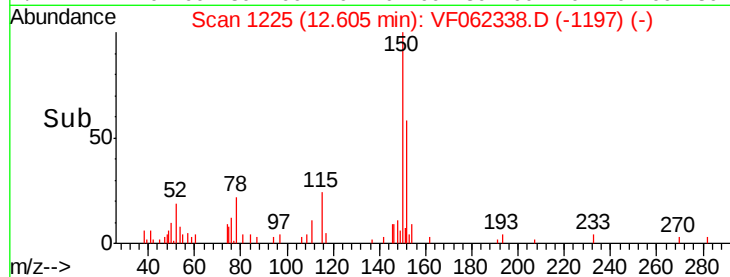
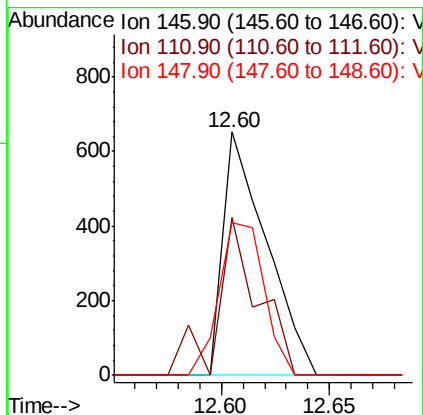
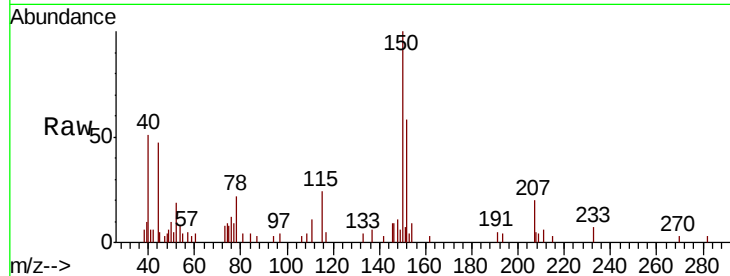
Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	917
Ion	Ratio	Lower	Upper
146	100		
111	61.0	18.6	56.0#
148	65.3	32.5	97.5



#89

n-Butylbenzene

Concen: 4.052 ug/l

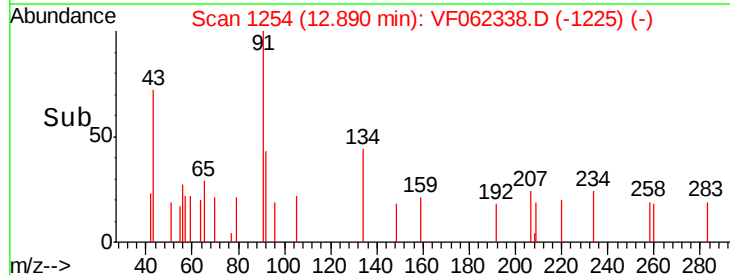
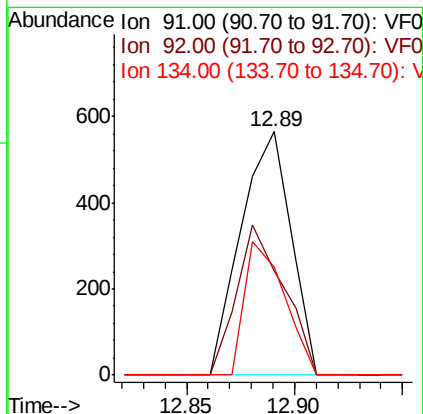
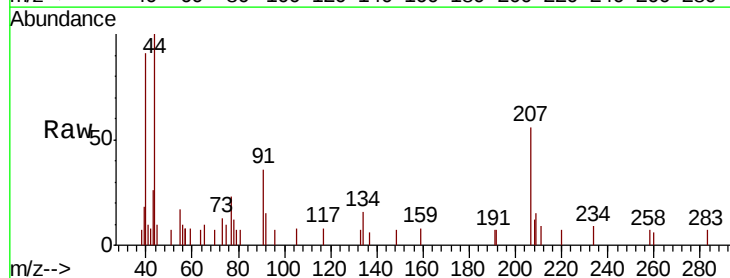
RT: 12.89 min Scan# 1254

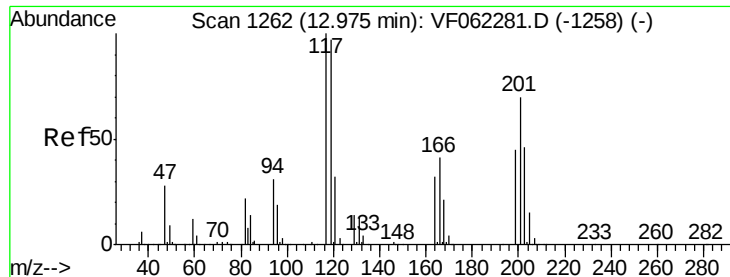
Delta R.T. -0.02 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Tgt Ion:	91	Resp:	909
Ion	Ratio	Lower	Upper
91	100		
92	57.8	31.1	93.3
134	43.7	14.4	43.4#





#90

Hexachloroethane

Concen: 10.518 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

Instrument :

MSVOA_F

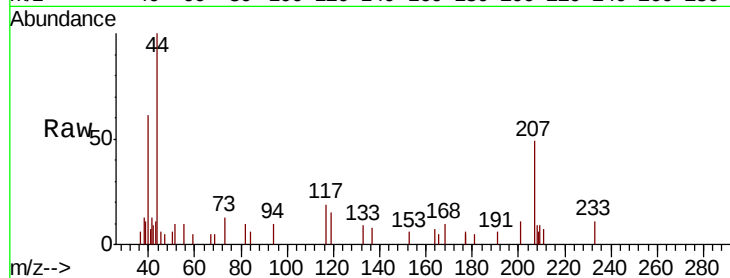
ClientSampled :

Tot Ion:117 Resp: 651

Ion Ratio Lower Upper

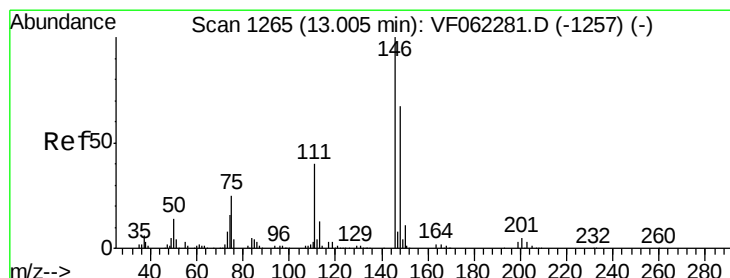
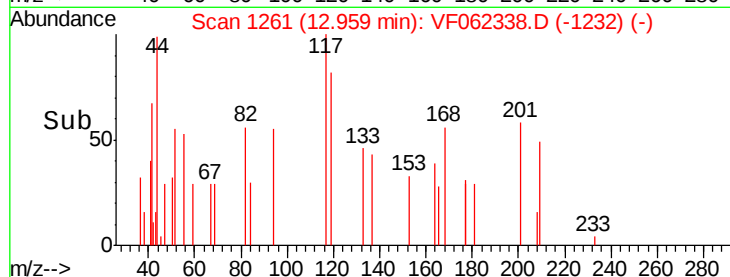
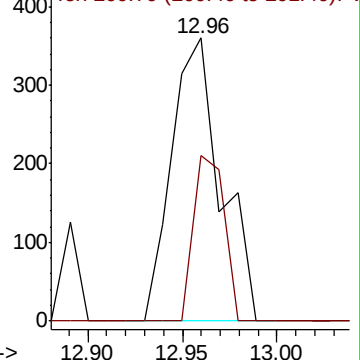
117 100

201 36.6 42.9 128.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 4.375 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062338.D

Acq: 30 Apr 2019 18:19

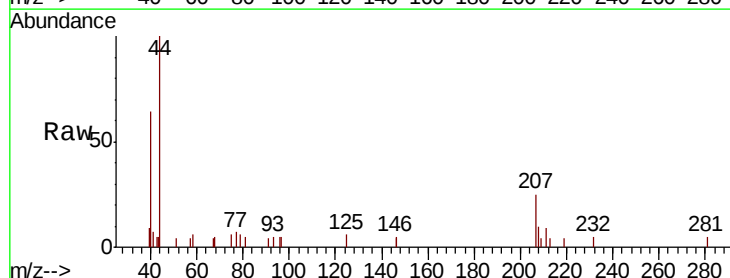
Tgt Ion:146 Resp: 474

Ion Ratio Lower Upper

146 100

111 0.0 20.0 59.9#

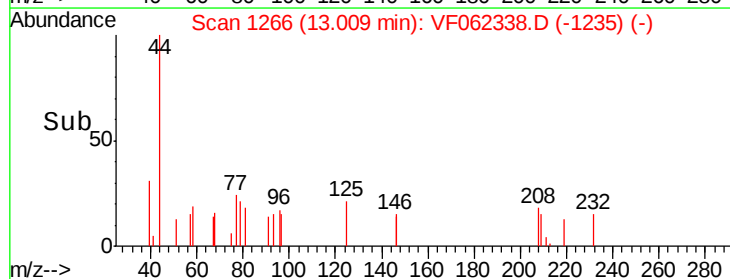
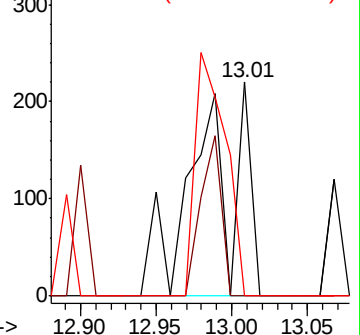
148 0.0 33.1 99.5#

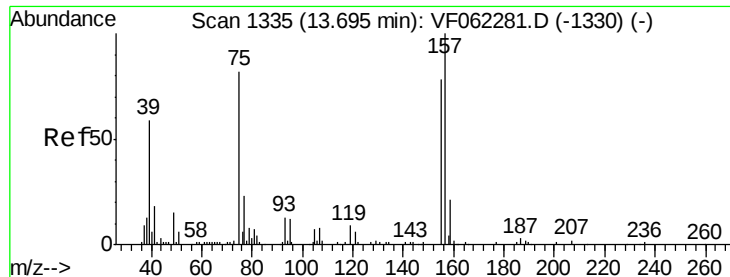


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

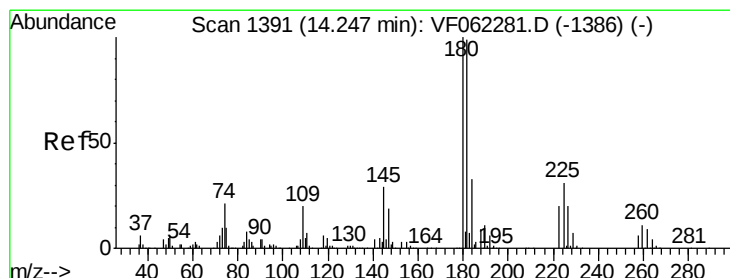
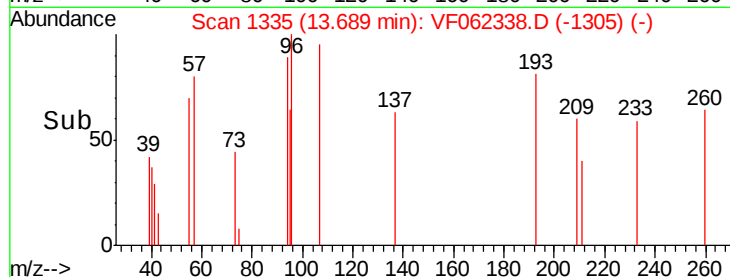
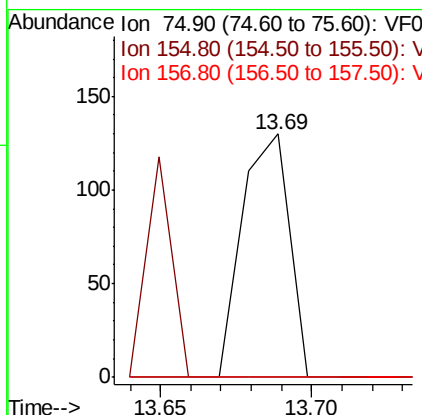
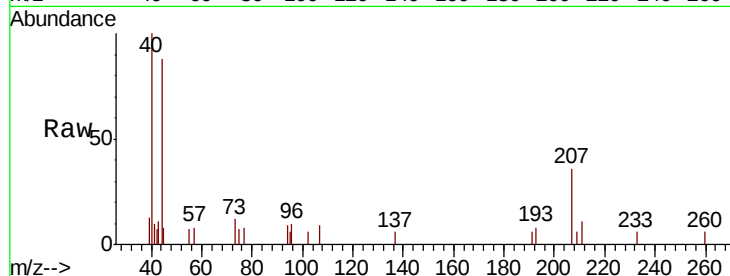




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.360 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

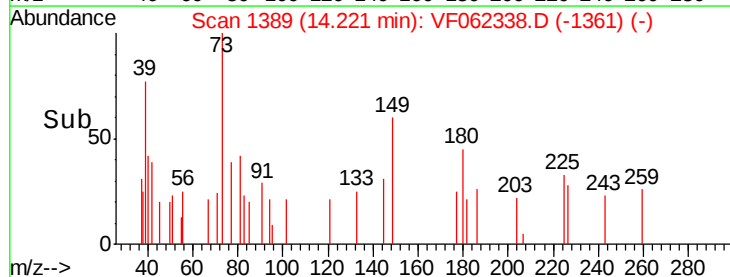
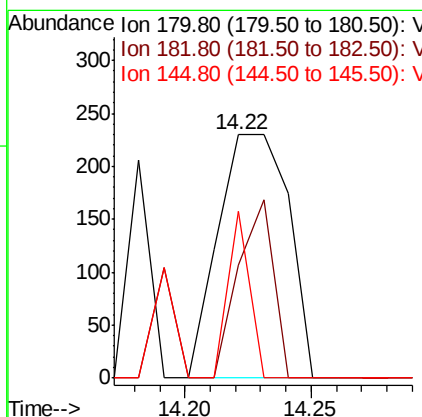
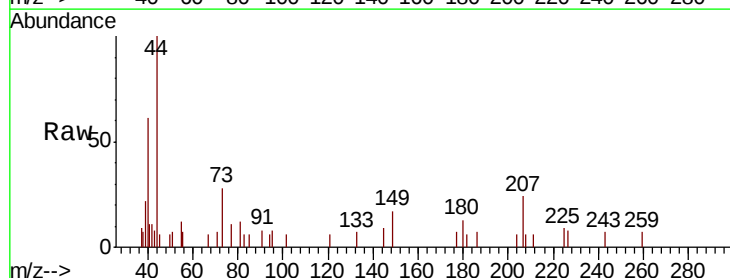
Instrument :
 MSVOA_F
 ClientSampleId :

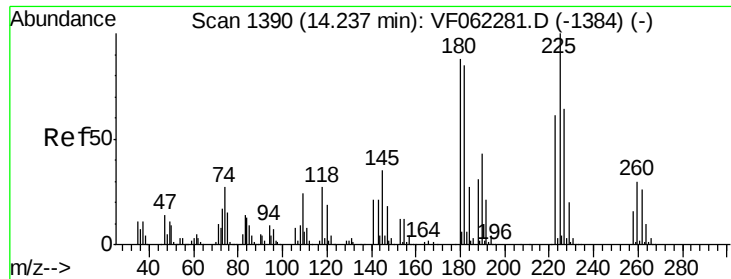
Tot Ion: 75 Resp: 142
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.7 155.2#
 157 0.0 64.5 193.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.696 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.03 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Tgt Ion:180 Resp: 447
 Ion Ratio Lower Upper
 180 100
 182 36.5 48.5 145.6#
 145 20.8 16.7 50.1

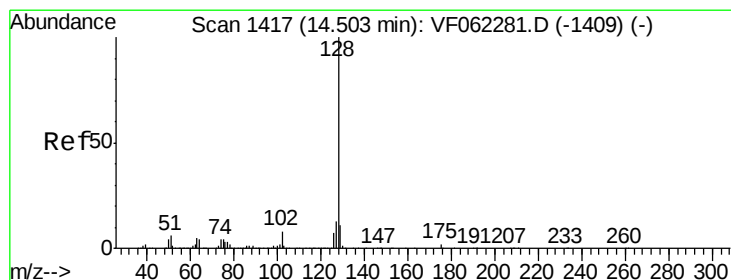
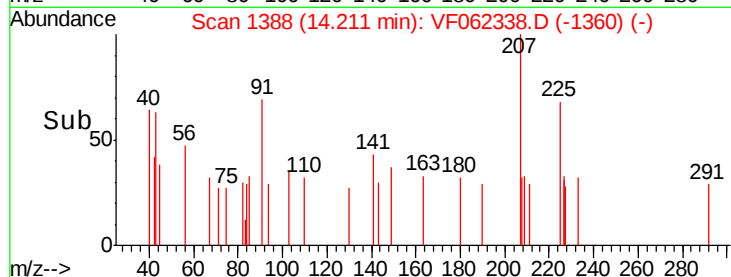
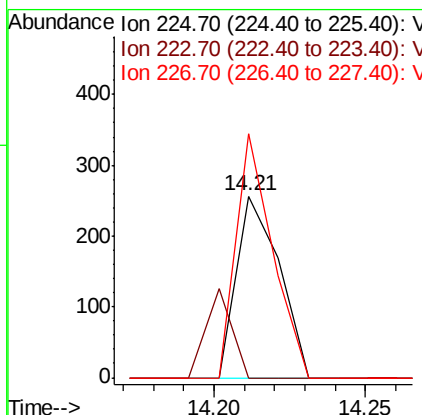
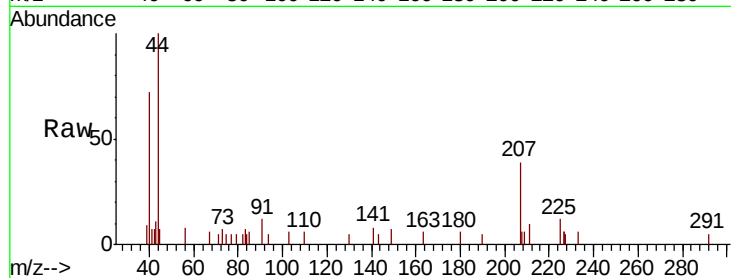




#94
Hexachlorobutadiene
Concen: 3.667 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

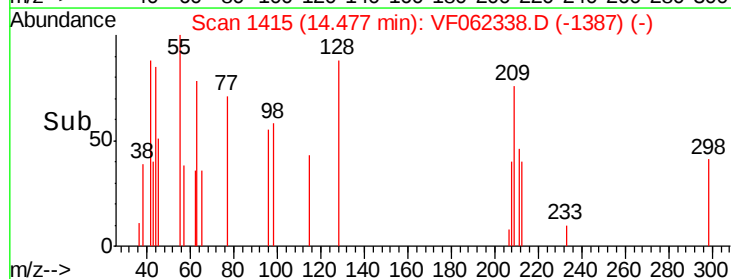
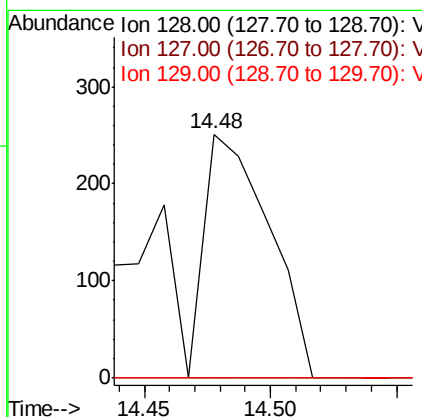
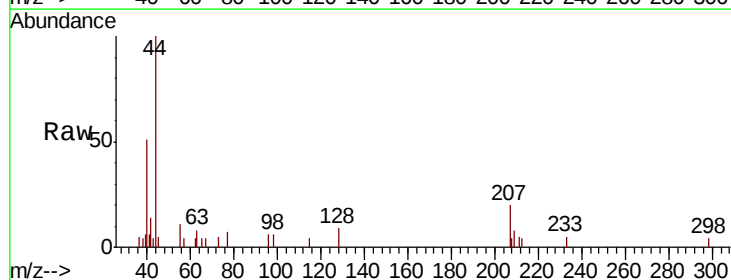
Instrument :
MSVOA_F
ClientSampleId :

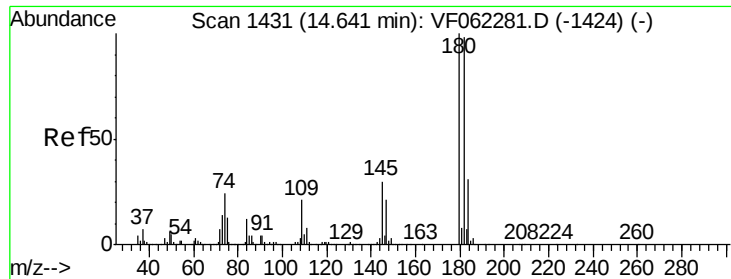
Tot Ion:225 Resp: 251
Ion Ratio Lower Upper
225 100
223 29.9 30.8 92.3#
227 114.7 31.9 95.5#



#95
Naphthalene
Concen: 3.045 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF062338.D
Acq: 30 Apr 2019 18:19

Tgt Ion:128 Resp: 449
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.455 ug/l
 RT: 14.62 min Scan# 1429
 Delta R.T. -0.03 min
 Lab File: VF062338.D
 Acq: 30 Apr 2019 18:19

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	43.4	49.0	147.2#
145	0.0	14.5	43.5#

