

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062334.D
 Acq On : 30 Apr 2019 15:31
 Operator : FY/SY
 Sample : VF0430SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 01 02:53:01 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	5.05	168	315013	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	424824	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	338425	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	209346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	149873	58.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.48%	
35) Dibromofluoromethane	4.30	113	171908	54.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	7.70	98	382913	49.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.49	95	166417	52.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	94190	25.161	ug/l	98
3) Chloromethane	1.16	50	62562	19.838	ug/l	97
4) Vinyl Chloride	1.20	62	59512	19.925	ug/l	97
5) Bromomethane	1.38	94	46749	23.048	ug/l	92
6) Chloroethane	1.44	64	30155	23.031	ug/l	99
7) Trichlorofluoromethane	1.57	101	77213	16.269	ug/l	84
8) Diethyl Ether	1.71	74	17082	19.867	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	69782	23.428	ug/l	97
10) Methyl Iodide	1.98	142	116981	22.469	ug/l	92
11) Tert butyl alcohol	2.69	59	18808	121.851	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	58058	21.846	ug/l	89
13) Acrolein	2.10	56	12479	91.637	ug/l	96
14) Allyl chloride	2.19	41	60601	20.953	ug/l #	53
15) Acrylonitrile	3.09	53	44277	103.570	ug/l #	94
16) Acetone	2.34	43	67206	117.636	ug/l	92
17) Carbon Disulfide	1.92	76	110330	15.774	ug/l	94
18) Methyl Acetate	2.46	43	24325	21.172	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	108156	21.347	ug/l	96
20) Methylene Chloride	2.34	84	44487	14.491	ug/l	91
21) trans-1,2-Dichloroethene	2.42	96	43030	16.384	ug/l	97
22) Diisopropyl ether	2.93	45	155531	19.975	ug/l	92
23) Vinyl Acetate	3.34	43	372601	107.914	ug/l	100
24) 1,1-Dichloroethane	3.01	63	98669	22.202	ug/l	99
25) 2-Butanone	4.52	43	89312	98.593	ug/l	96
26) 2,2-Dichloropropane	3.77	77	54985	23.826	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	70067	21.067	ug/l	95
28) Bromochloromethane	3.90	49	36422	19.448	ug/l #	98
29) Tetrahydrofuran	4.27	42	40176	100.936	ug/l	96
30) Chloroform	4.04	83	127295	22.811	ug/l	93
31) Cyclohexane	3.87	56	48967	11.580	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	85204	19.447	ug/l #	82
36) 1,1-Dichloropropene	4.47	75	87482	22.321	ug/l	97
37) Ethyl Acetate	4.30	43	36425	22.091	ug/l	90
38) Carbon Tetrachloride	4.17	117	89346	22.424	ug/l	96

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Quant Time: May 01 02:53:01 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)
39) Methylcyclohexane	5.63	83	90534	19.788	ug/l	87
40) Benzene	4.82	78	194836	20.576	ug/l	98
41) Methacrylonitrile	4.93	41	18281	19.957	ug/l #	83
42) 1,2-Dichloroethane	5.12	62	74304	24.769	ug/l	98
43) Isopropyl Acetate	7.11	43	39339	23.169	ug/l #	97
44) Trichloroethene	5.68	130	71150	22.208	ug/l	99
45) 1,2-Dichloropropane	6.40	63	42174	19.753	ug/l	99
46) Dibromomethane	6.25	93	36680	23.793	ug/l	98
47) Bromodichloromethane	6.55	83	87045	24.018	ug/l	99
48) Methyl methacrylate	6.87	41	24064	19.920	ug/l #	80
49) 1,4-Dioxane	6.87	88	5942	427.162	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	148520	114.319	ug/l	97
52) Toluene	7.77	92	117383	21.482	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	63808	23.943	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	77058	22.571	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	34095	21.970	ug/l	98
56) Ethyl methacrylate	8.75	69	35154	20.620	ug/l #	89
57) 1,3-Dichloropropane	8.99	76	53635	21.982	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	53004	102.170	ug/l	100
59) 2-Hexanone	9.61	43	100896	119.839	ug/l	100
60) Dibromochloromethane	8.85	129	60772	24.128	ug/l	98
61) 1,2-Dibromoethane	9.13	107	39170	21.808	ug/l	97
64) Tetrachloroethene	8.30	164	66820	23.606	ug/l	99
65) Chlorobenzene	9.93	112	135891	21.973	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	69664	23.915	ug/l	99
67) Ethyl Benzene	10.03	91	232914	21.663	ug/l	97
68) m/p-Xylenes	10.25	106	174292	43.542	ug/l	92
69) o-Xylene	10.81	106	100470	22.466	ug/l	98
70) Styrene	10.89	104	142499	22.042	ug/l	98
71) Bromoform	10.88	173	36052	21.987	ug/l #	100
73) Isopropylbenzene	11.21	105	308115	21.482	ug/l	99
74) N-amyl acetate	11.44	43	66259	20.049	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	45432	19.937	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	35045	21.676	ug/l #	100
77) Bromobenzene	11.58	156	76219	21.256	ug/l	98
78) n-propylbenzene	11.66	91	321759	21.319	ug/l	99
79) 2-Chlorotoluene	11.79	91	190922	21.002	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	272829	22.532	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	18013	24.925	ug/l #	79
82) 4-Chlorotoluene	11.97	91	187239	20.815	ug/l	98
83) tert-Butylbenzene	12.19	119	288609	23.225	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	257392	21.948	ug/l	94
85) sec-Butylbenzene	12.36	105	335620	21.684	ug/l	97
86) p-Isopropyltoluene	12.51	119	322359	23.231	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	142003	22.385	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	134663	22.389	ug/l	100
89) n-Butylbenzene	12.90	91	282018	22.367	ug/l	95
90) Hexachloroethane	12.97	117	77154	22.181	ug/l	96
91) 1,2-Dichlorobenzene	12.99	146	135555	22.261	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9648	20.987	ug/l	90

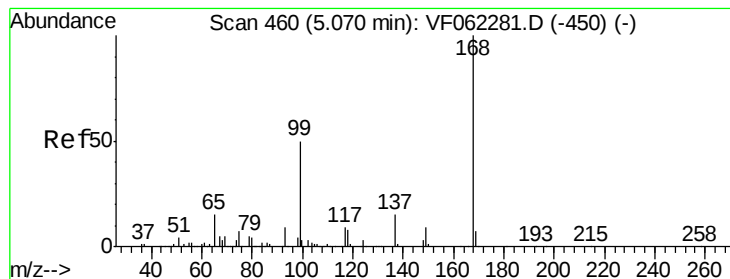
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF043019\
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Sample : VF0430SBSD01
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 01 02:53:01 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.24	180	126894	23.720	ug/l	97
94) Hexachlorobutadiene	14.23	225	92172	23.958	ug/l	99
95) Naphthalene	14.48	128	187619	22.638	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	122022	24.118	ug/l	99

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

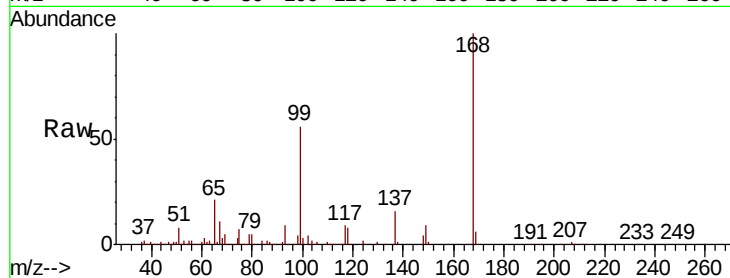


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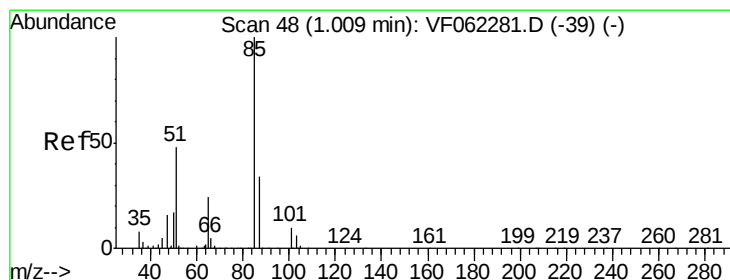
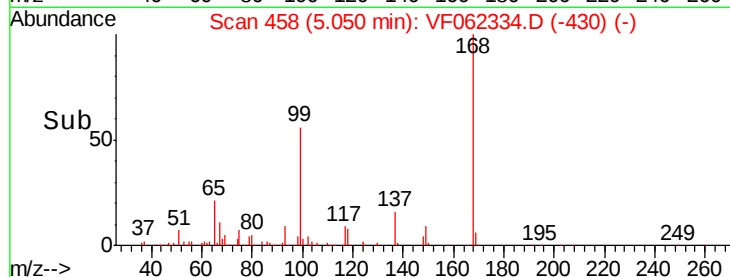
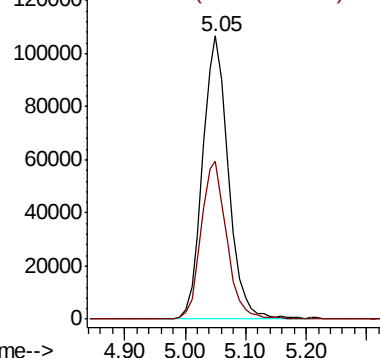
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 315013
Ion Ratio Lower Upper
168 100
99 55.7 40.0 60.0



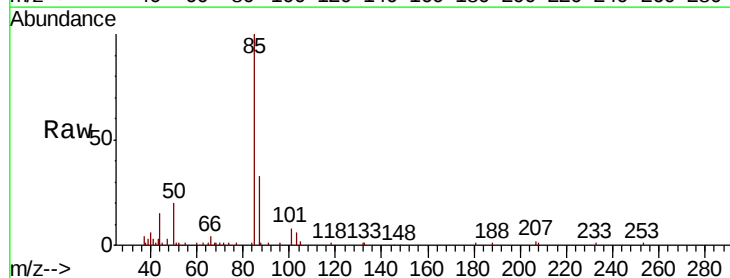
Abundance Ion 167.90 (167.60 to 168.60): VF0
Ion 98.90 (98.60 to 99.60): VF0



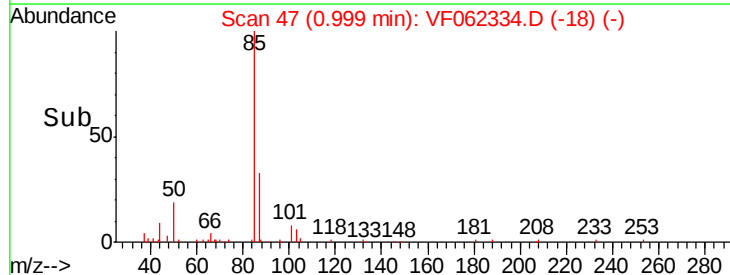
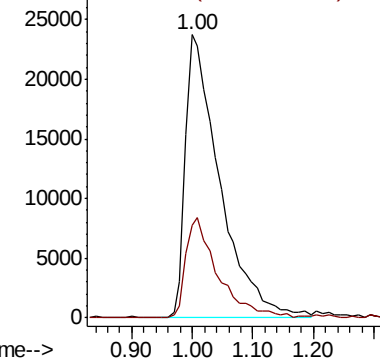
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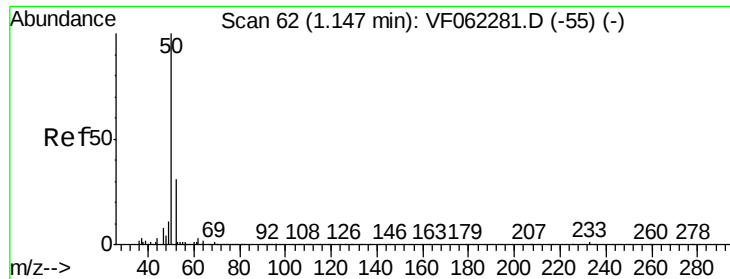
Dichlorodifluoromethane
Concen: 25.161 ug/l
RT: 1.00 min Scan# 47
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 85 Resp: 94190
Ion Ratio Lower Upper
85 100
87 33.0 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0
Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 19.838 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

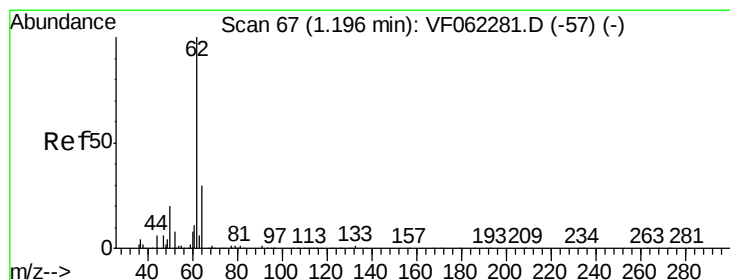
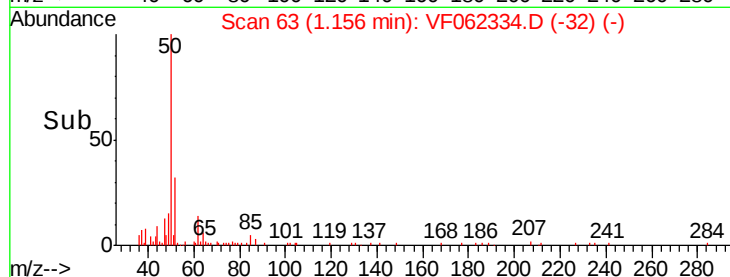
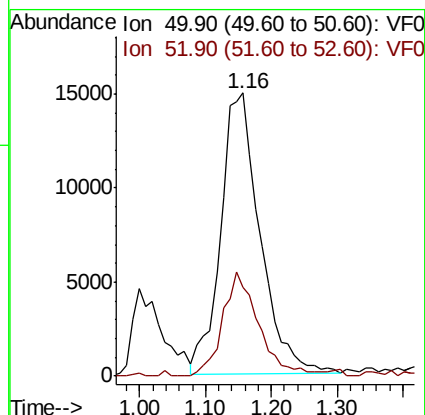
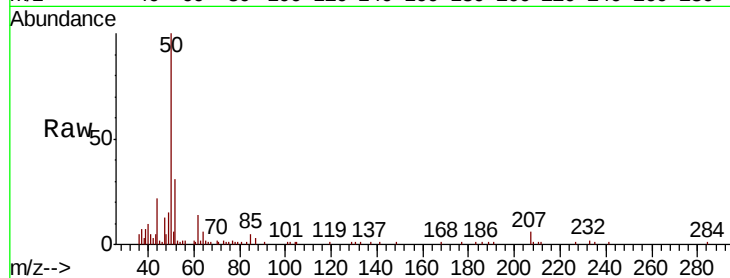
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 62562

Ion Ratio Lower Upper

50 100

52 31.9 24.2 36.4



#4

Vinyl Chloride

Concen: 19.925 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062334.D

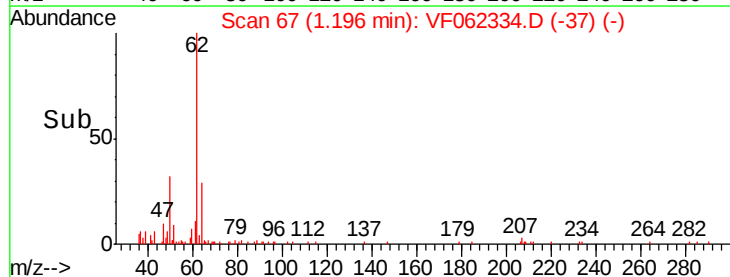
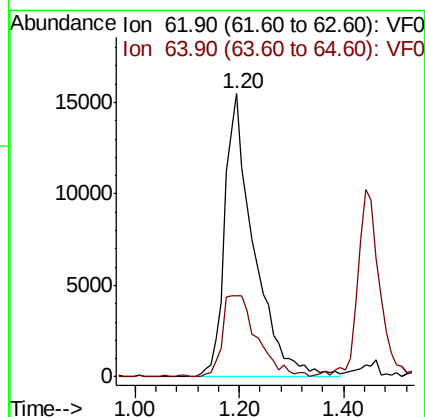
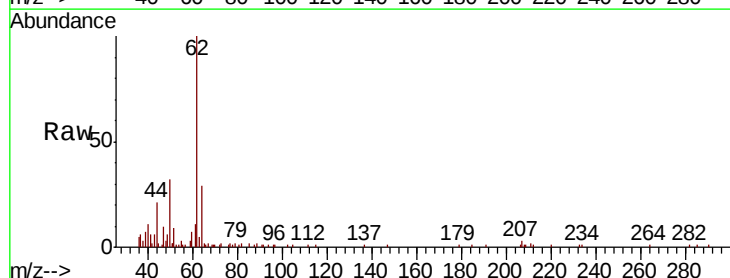
Acq: 30 Apr 2019 15:31

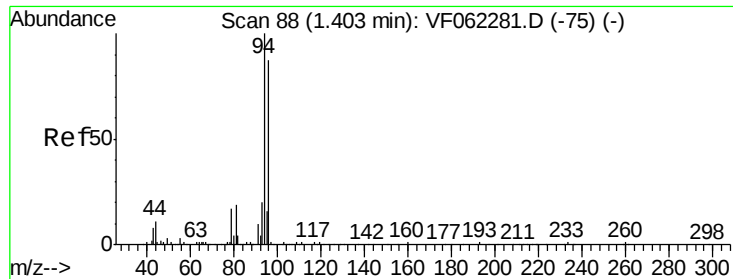
Tgt Ion: 62 Resp: 59512

Ion Ratio Lower Upper

62 100

64 28.6 24.3 36.5





#5

Bromomethane

Concen: 23.048 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

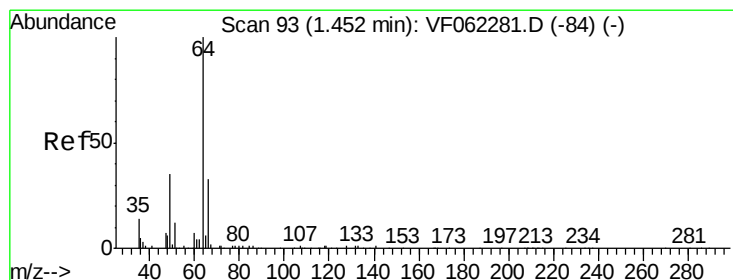
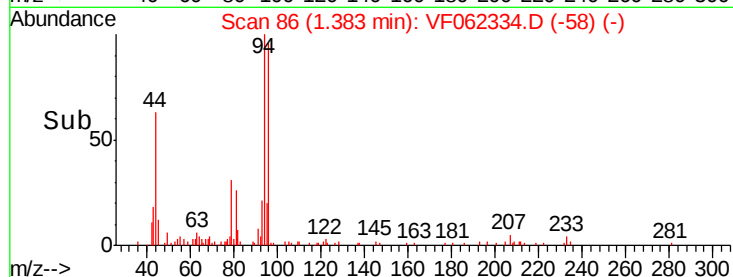
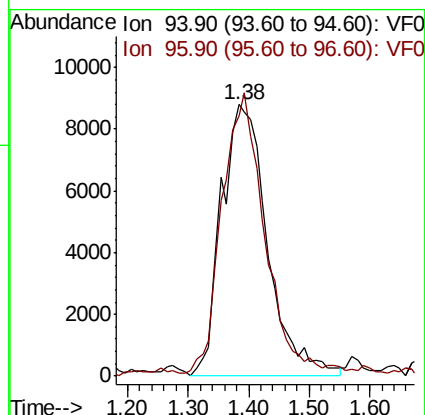
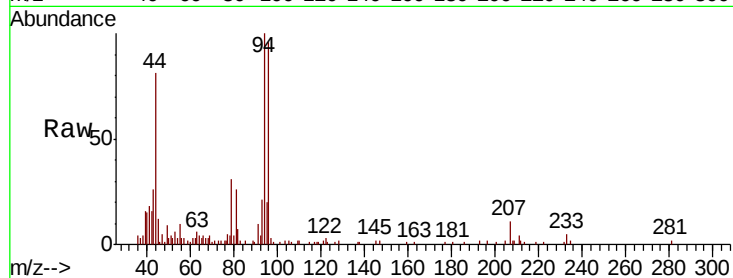
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 46749

Ion Ratio Lower Upper

94 100

96 93.9 69.5 104.3



#6

Chloroethane

Concen: 23.031 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062334.D

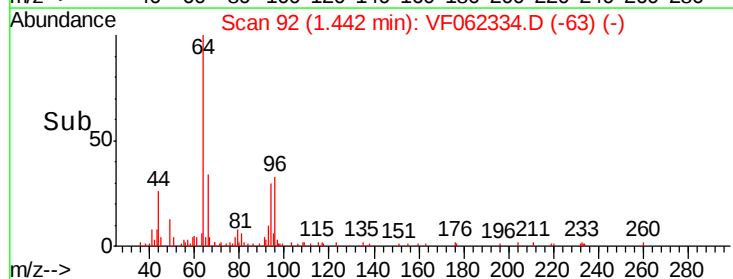
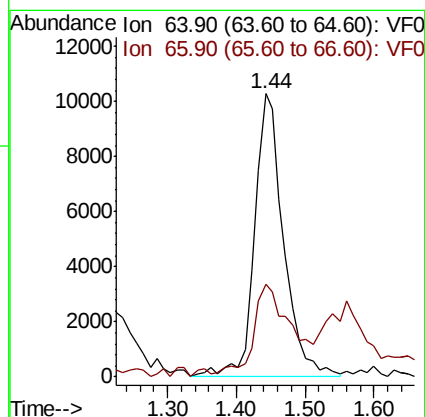
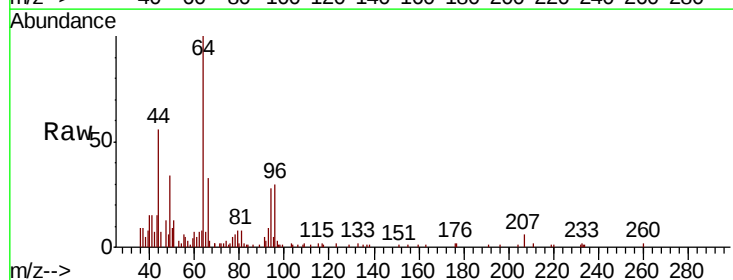
Acq: 30 Apr 2019 15:31

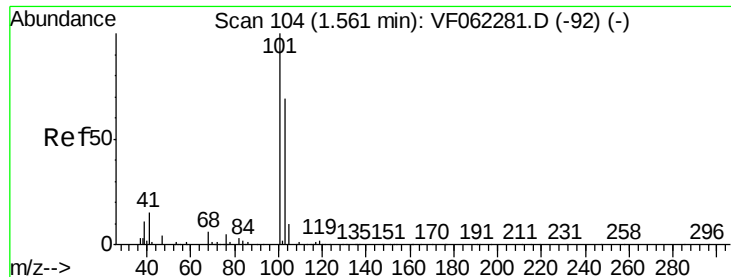
Tgt Ion: 64 Resp: 30155

Ion Ratio Lower Upper

64 100

66 32.9 26.0 39.0



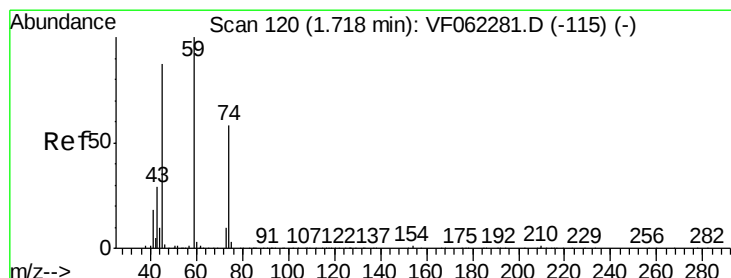
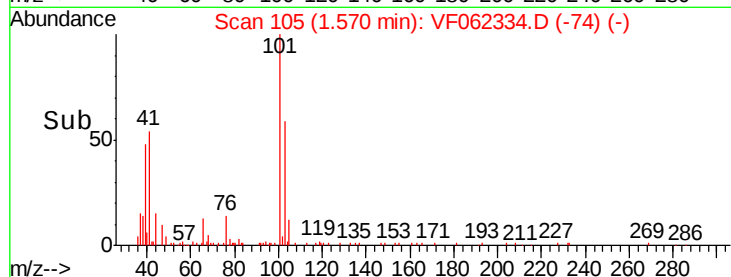
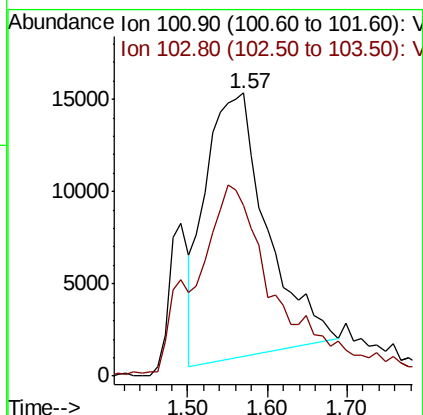
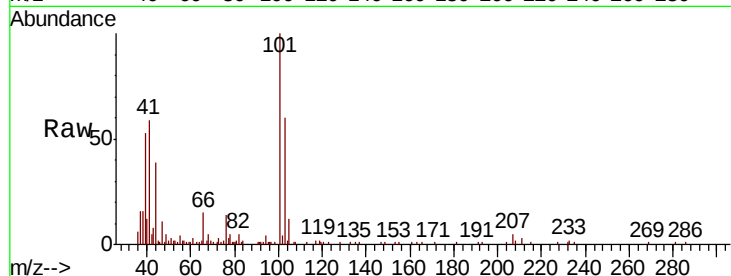


#7

Trichlorofluoromethane
Concen: 16.269 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

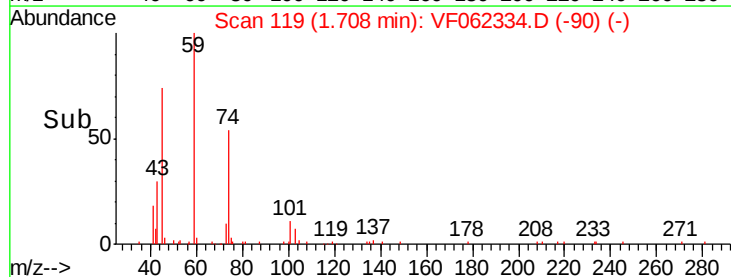
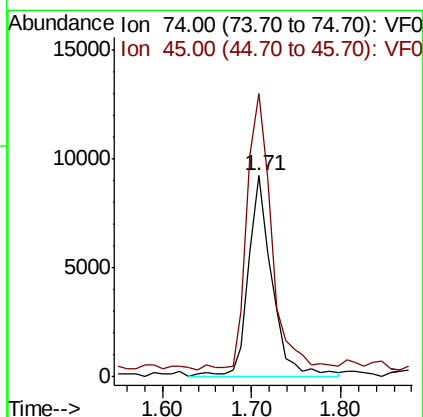
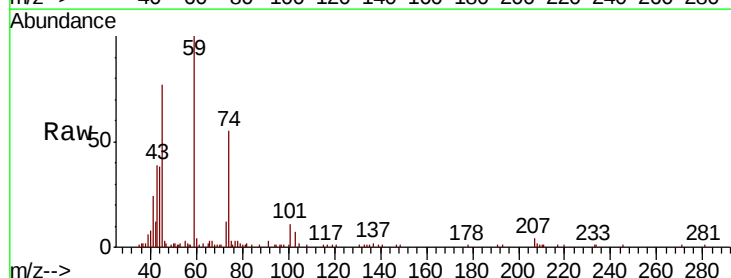
Tot Ion:101 Resp: 77213
Ion Ratio Lower Upper
101 100
103 55.9 55.0 82.6

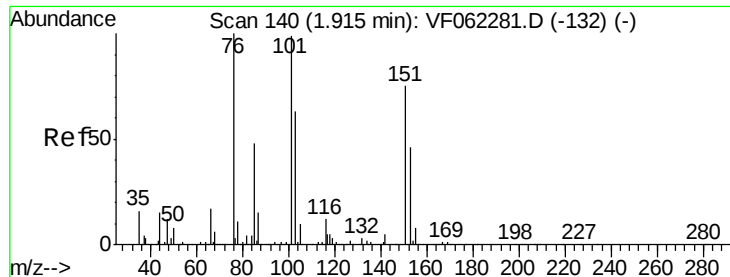


#8

Diethyl Ether
Concen: 19.867 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 74 Resp: 17082
Ion Ratio Lower Upper
74 100
45 136.5 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.428 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

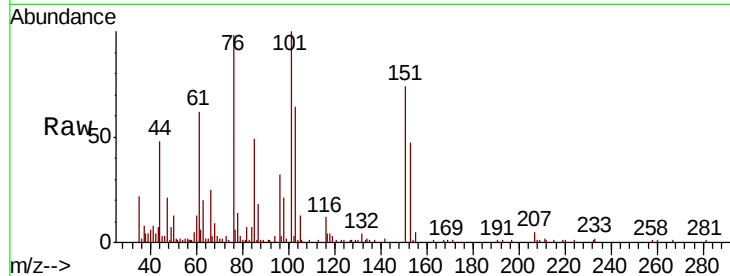
Tot Ion:101 Resp: 69782

Ion Ratio Lower Upper

101 100

85 49.4 36.5 54.7

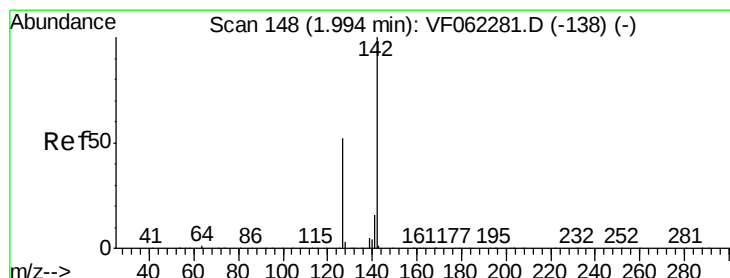
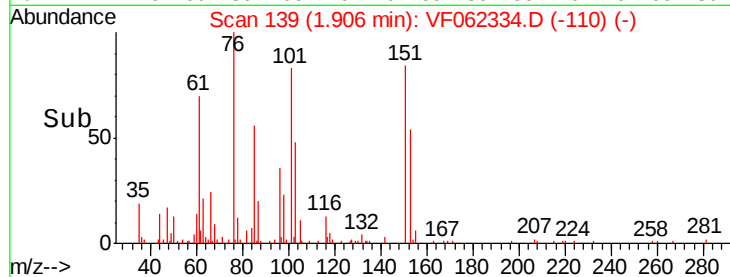
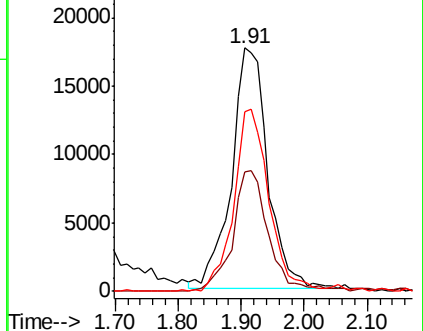
151 73.6 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.469 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

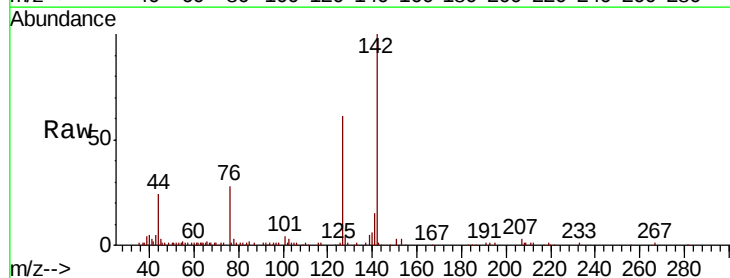
Tgt Ion:142 Resp: 116981

Ion Ratio Lower Upper

142 100

127 59.7 43.0 64.4

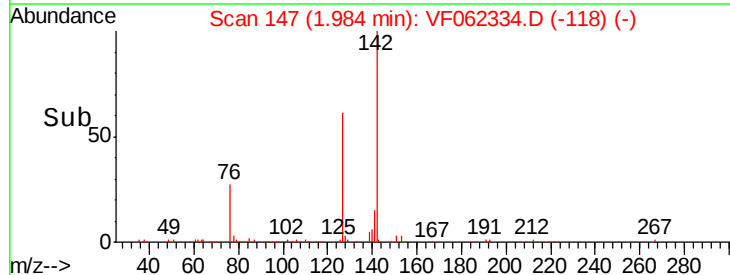
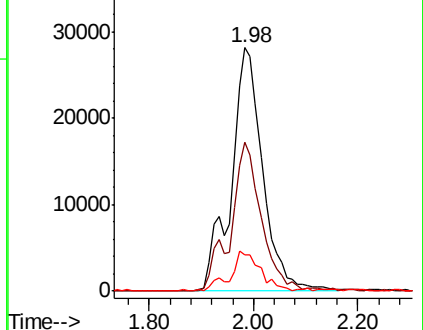
141 12.8 12.3 18.5

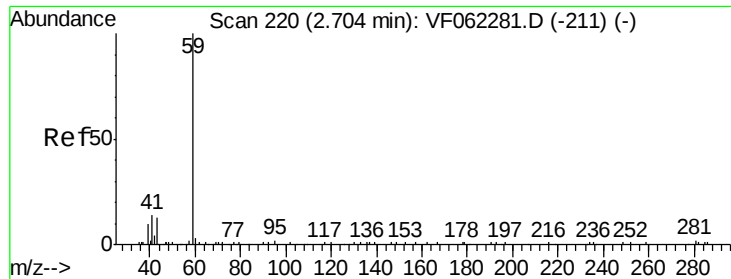


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

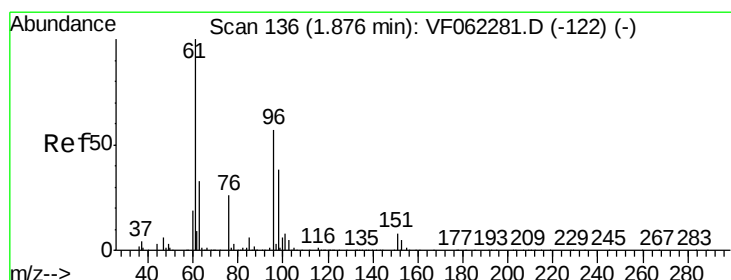
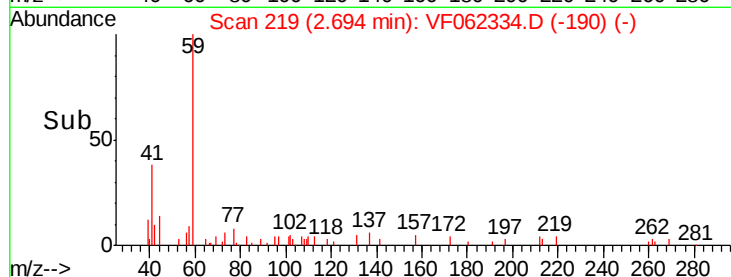
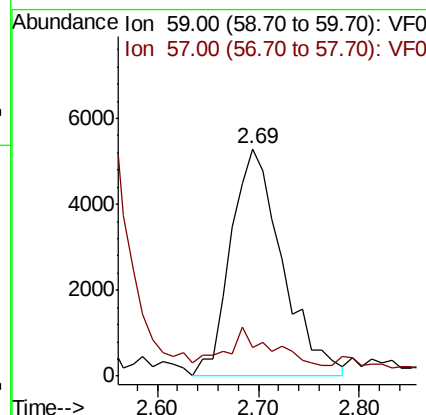
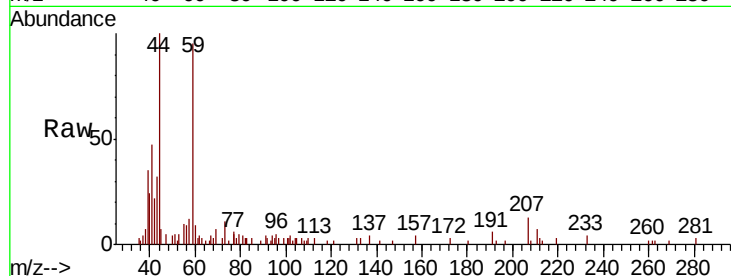




#11
Tert butyl alcohol
Concen: 121.851 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

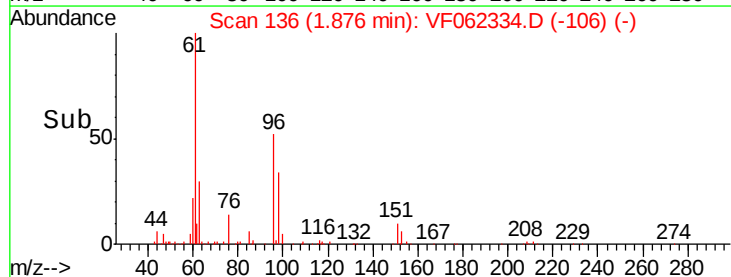
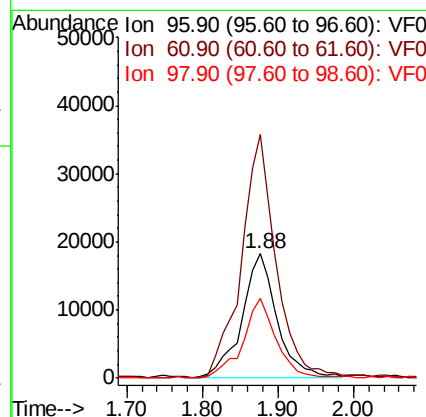
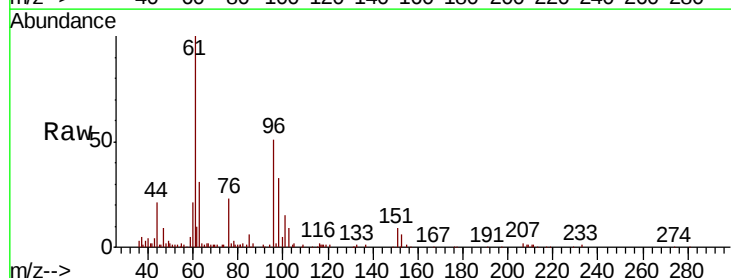
Instrument :
MSVOA_F
ClientSampleId :

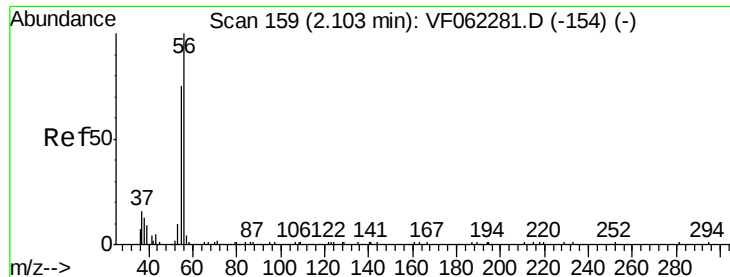
Tot Ion: 59 Resp: 18808
Ion Ratio Lower Upper
59 100
57 13.6 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 21.846 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 96 Resp: 58058
Ion Ratio Lower Upper
96 100
61 197.0 141.1 211.7
98 65.1 53.4 80.0

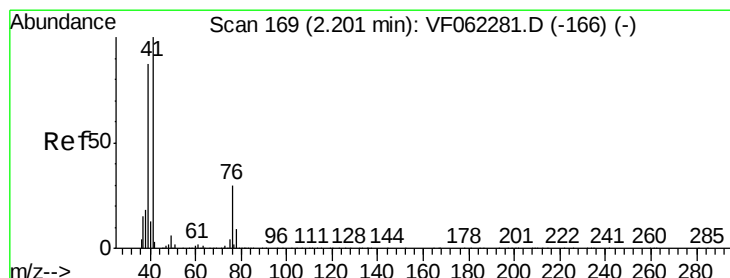
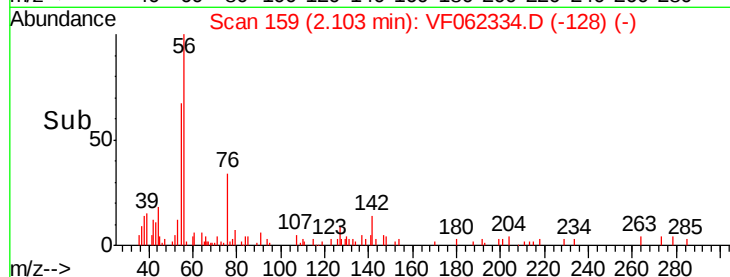
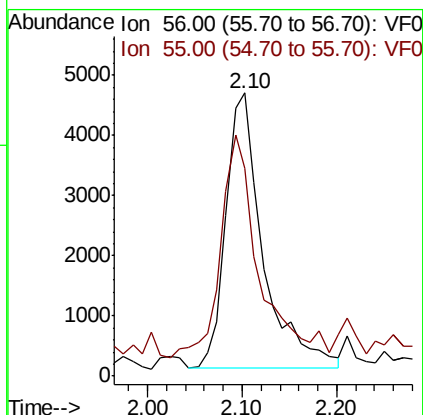
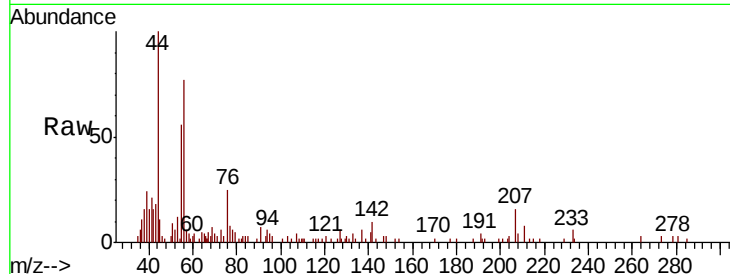




#13
Acrolein
Concen: 91.637 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

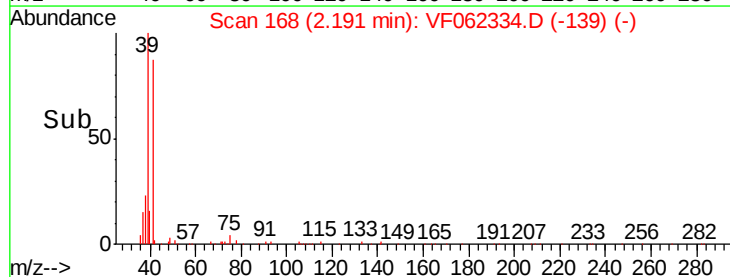
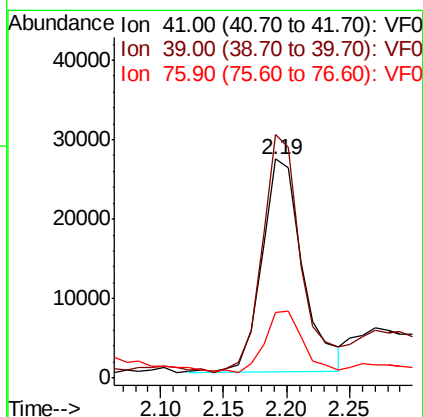
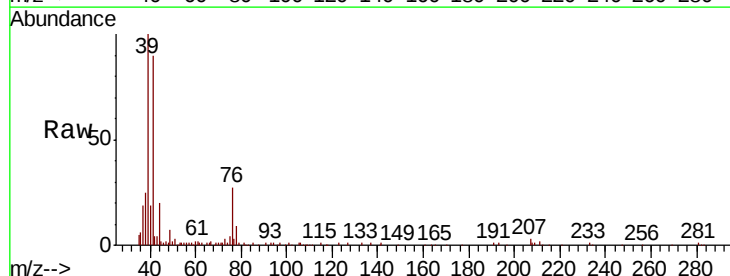
Instrument :
MSVOA_F
ClientSampleId :

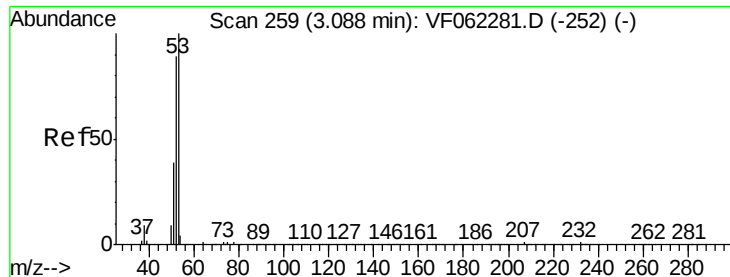
Tot Ion: 56 Resp: 12479
Ion Ratio Lower Upper
56 100
55 81.3 62.3 93.5



#14
Allyl chloride
Concen: 20.953 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 41 Resp: 60601
Ion Ratio Lower Upper
41 100
39 105.9 50.3 75.5#
76 27.2 14.8 22.2#





#15

Acrylonitrile

Concen: 103.570 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

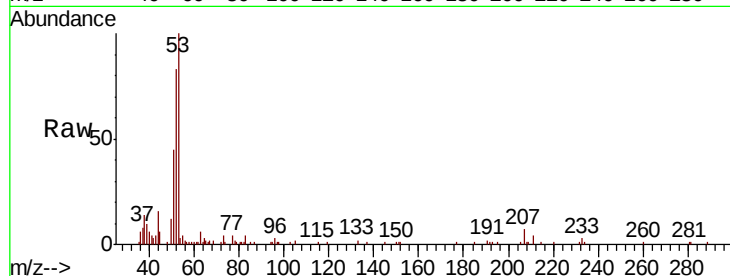
Tot Ion: 53 Resp: 44277

Ion Ratio Lower Upper

53 100

52 90.0 70.6 105.8

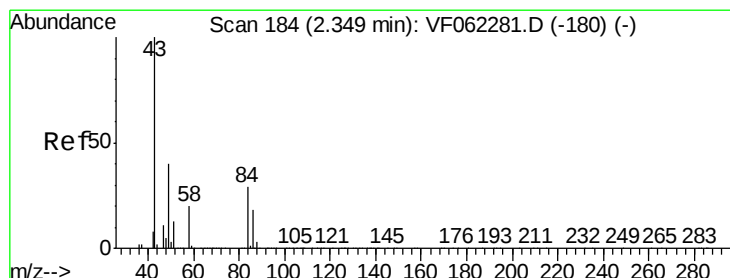
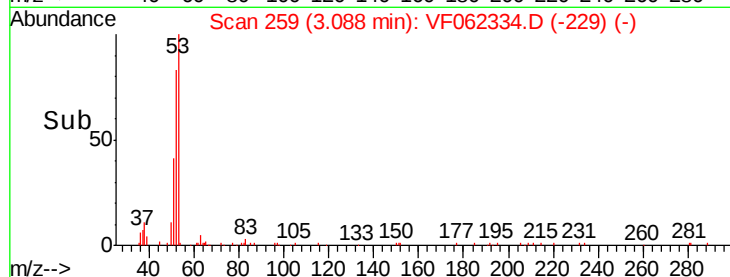
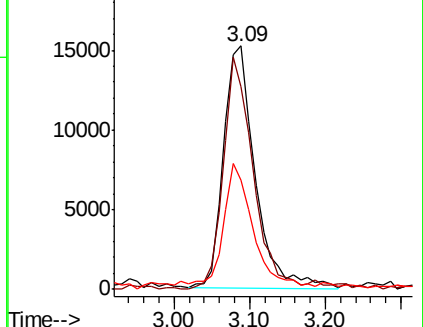
51 49.8 32.6 48.8#



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: 117.636 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062334.D

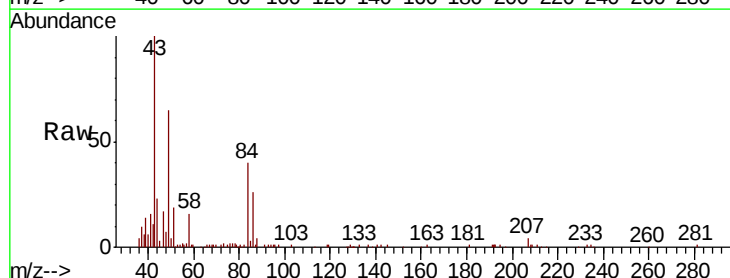
Acq: 30 Apr 2019 15:31

Tgt Ion: 43 Resp: 67206

Ion Ratio Lower Upper

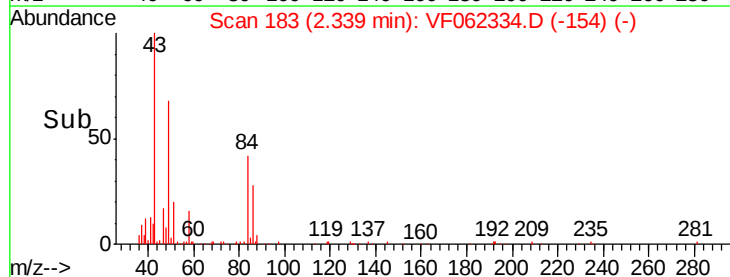
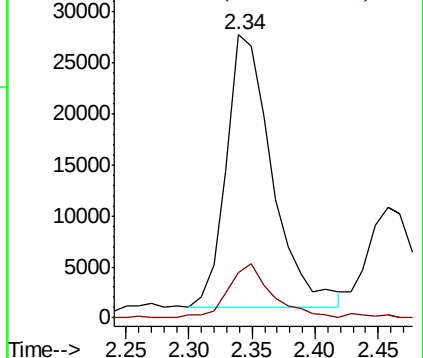
43 100

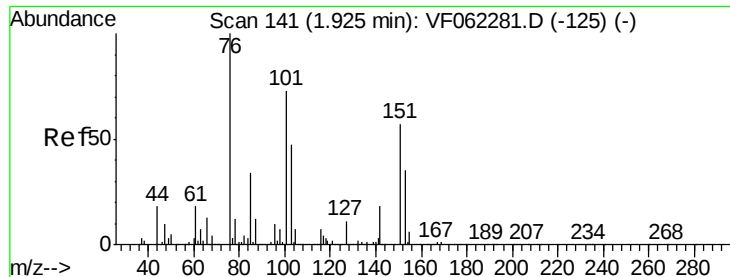
58 16.8 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 15.774 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

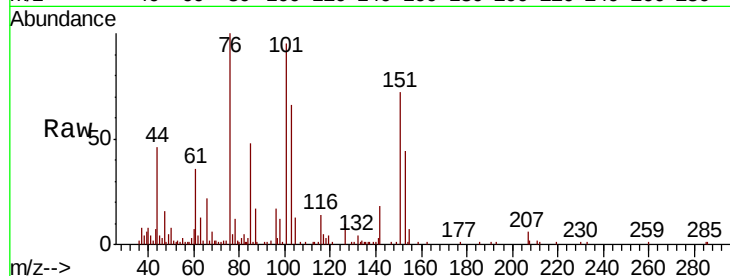
ClientSampleId :

Tot Ion: 76 Resp: 110330

Ion Ratio Lower Upper

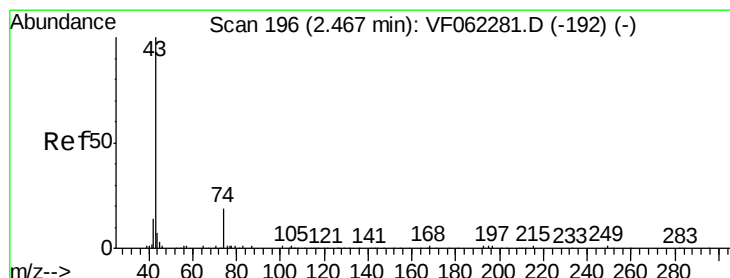
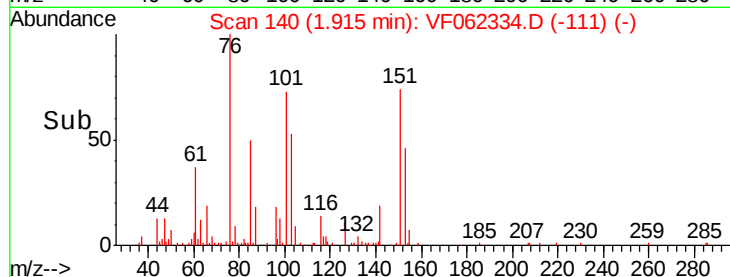
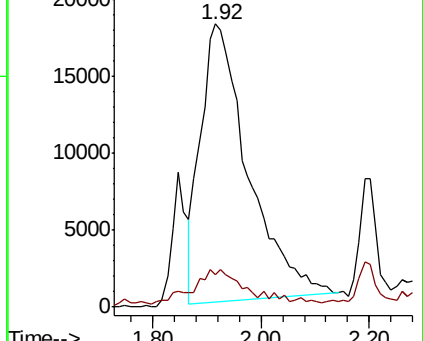
76 100

78 10.1 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 21.172 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062334.D

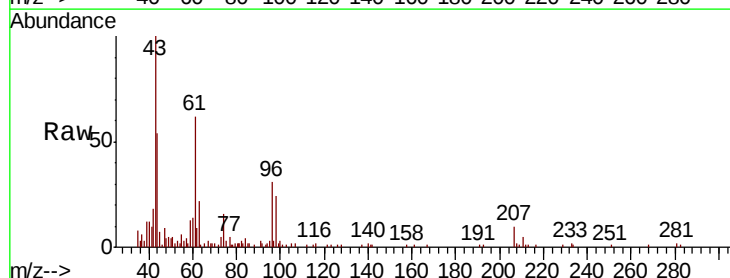
Acq: 30 Apr 2019 15:31

Tgt Ion: 43 Resp: 24325

Ion Ratio Lower Upper

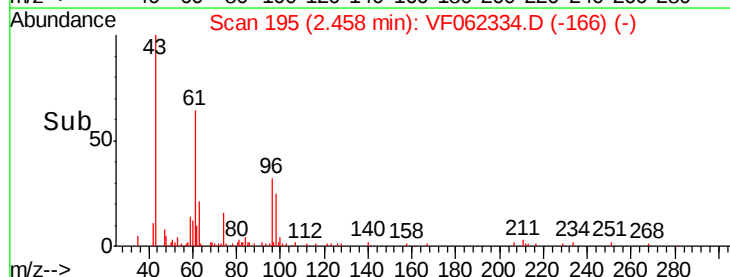
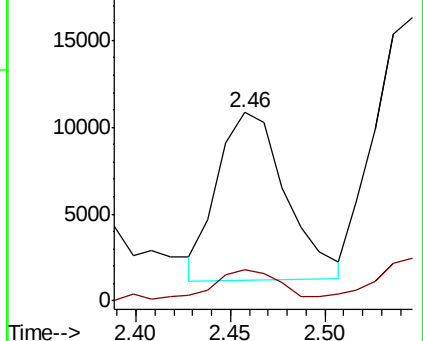
43 100

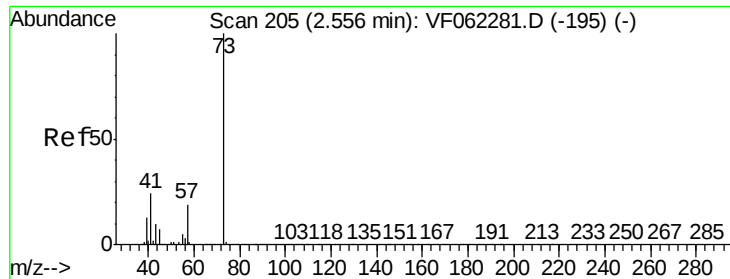
74 18.4 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



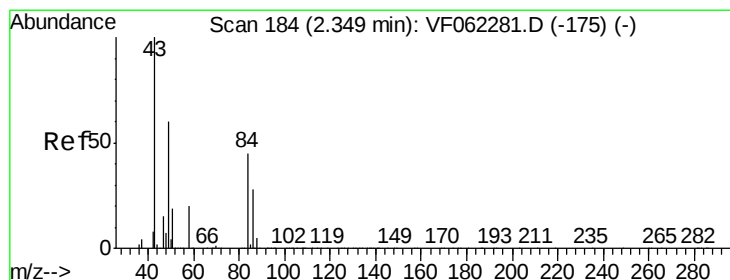
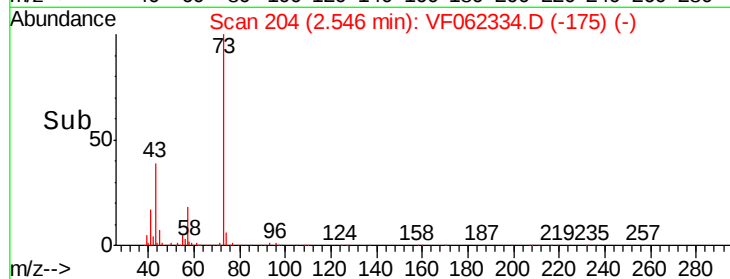
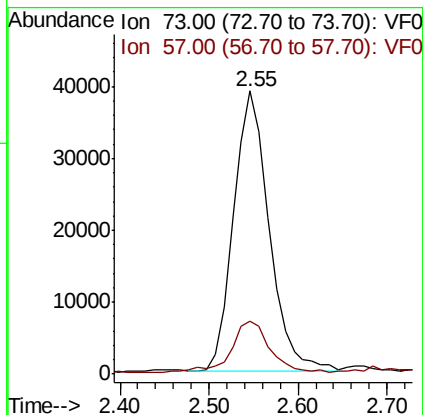
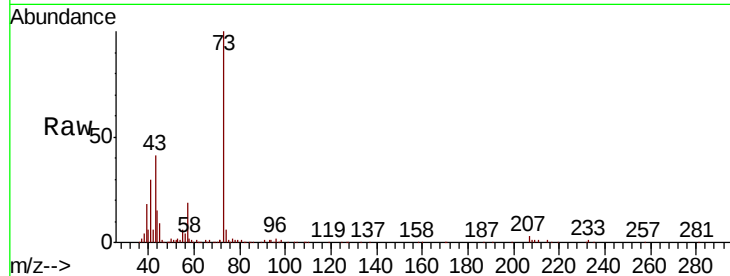


#19

Methyl tert-butyl Ether
 Concen: 21.347 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Instrument :
 MSVOA_F
 ClientSampleId :

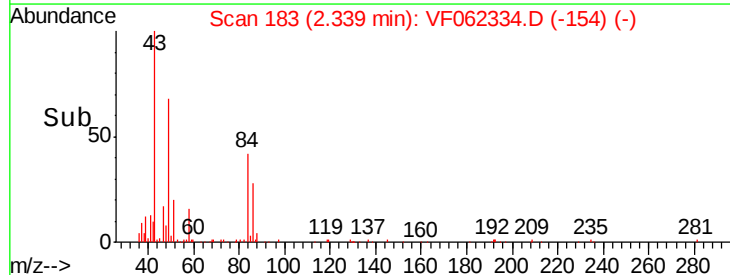
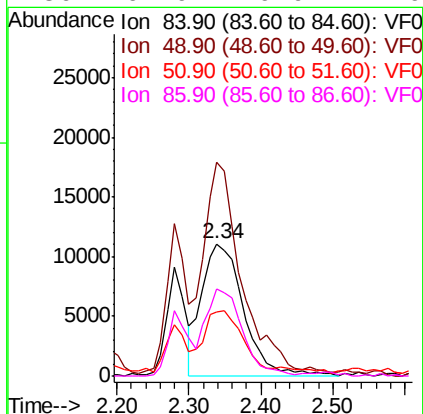
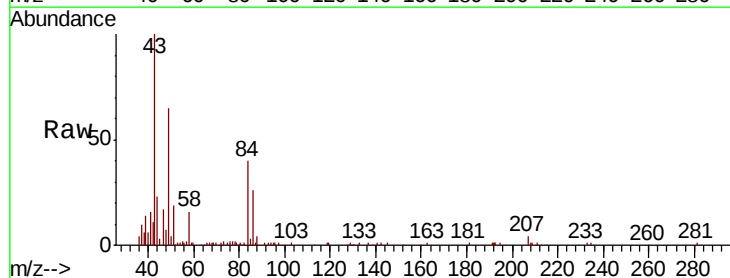
Tot Ion: 73 Resp: 108156
 Ion Ratio Lower Upper
 73 100
 57 17.5 15.5 23.3

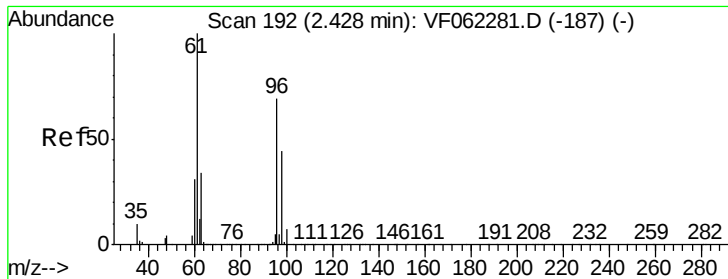


#20

Methylene Chloride
 Concen: 14.491 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion: 84 Resp: 44487
 Ion Ratio Lower Upper
 84 100
 49 158.3 112.1 168.1
 51 44.9 35.9 53.9
 86 64.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 16.384 ug/l

RT: 2.42 min Scan# 191

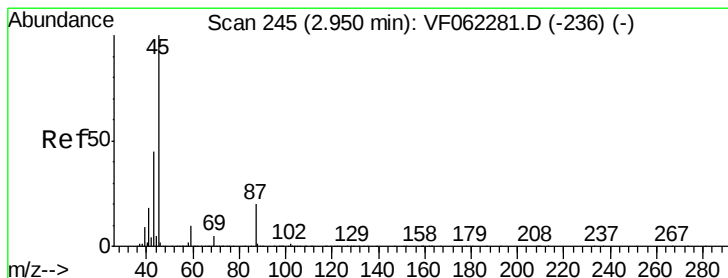
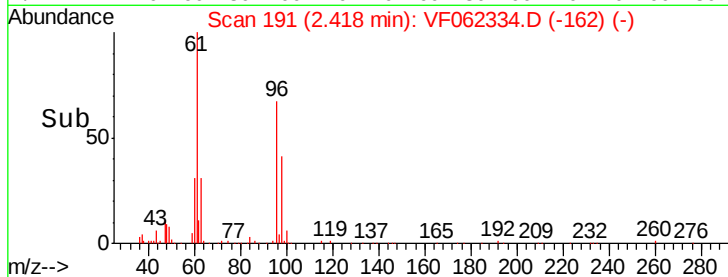
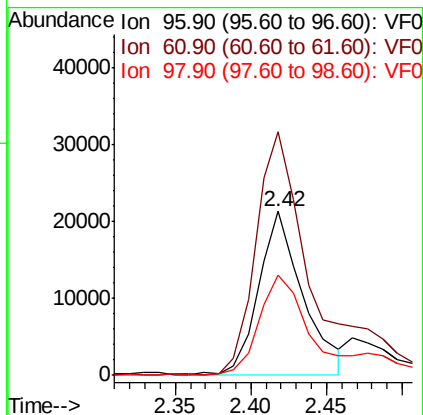
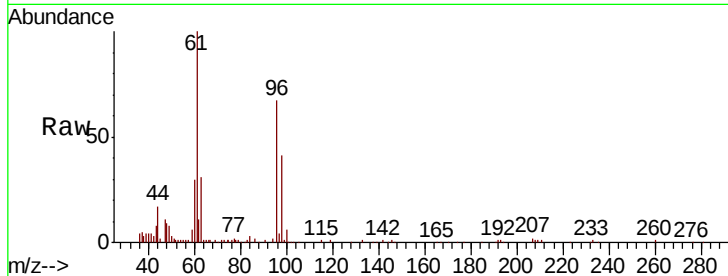
Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	43030
Ion	Ratio	Lower	Upper
96	100		
61	148.7	116.2	174.2
98	61.7	51.4	77.0



#22

Diisopropyl ether

Concen: 19.975 ug/l

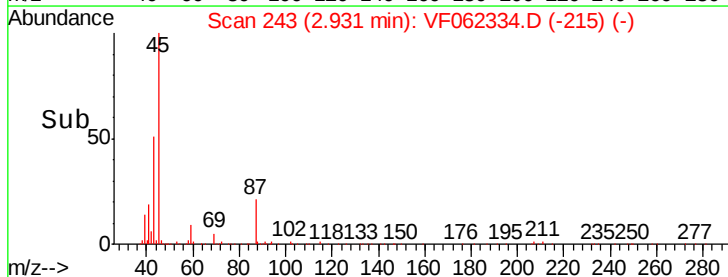
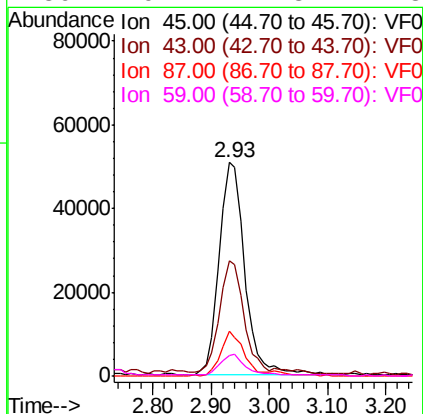
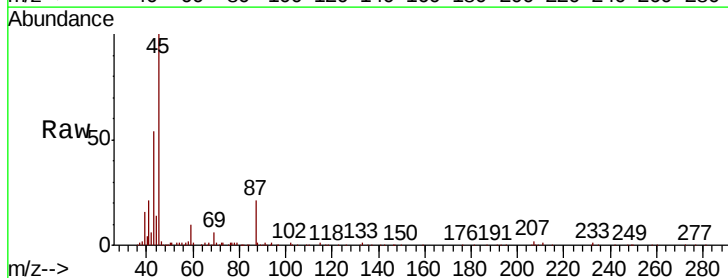
RT: 2.93 min Scan# 243

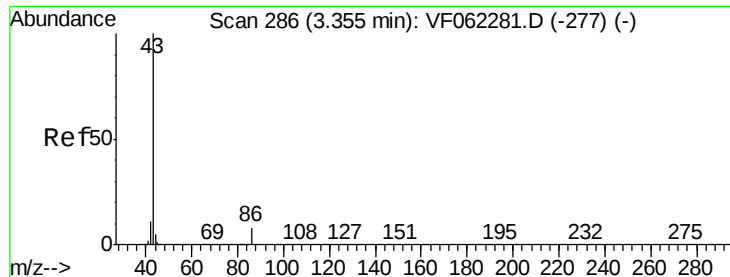
Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Tgt Ion:	45	Resp:	155531
Ion	Ratio	Lower	Upper
45	100		
43	52.8	36.2	54.2
87	20.9	15.8	23.6
59	9.4	7.8	11.8





#23

Vinyl Acetate

Concen: 107.914 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

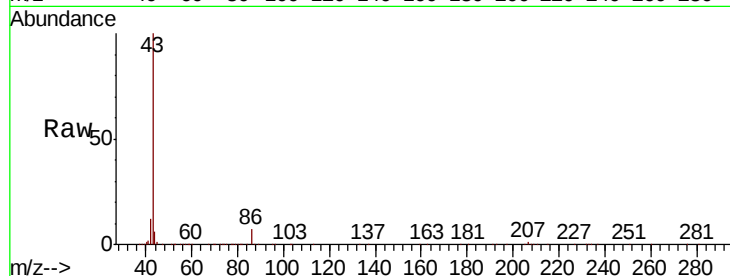
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 372601

Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

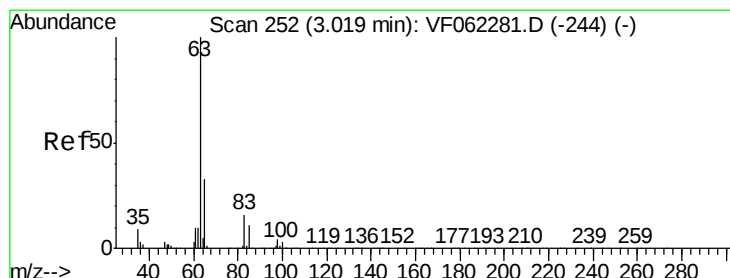
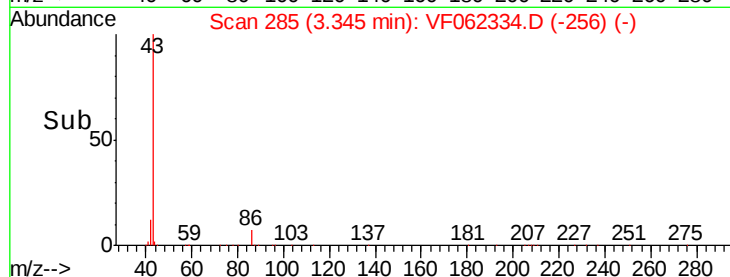
100000

50000

0

3.20 3.40 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 22.202 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

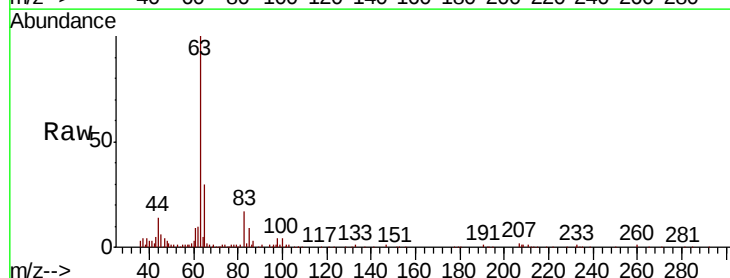
Tgt Ion: 63 Resp: 98669

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 3.8 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

50000

40000

30000

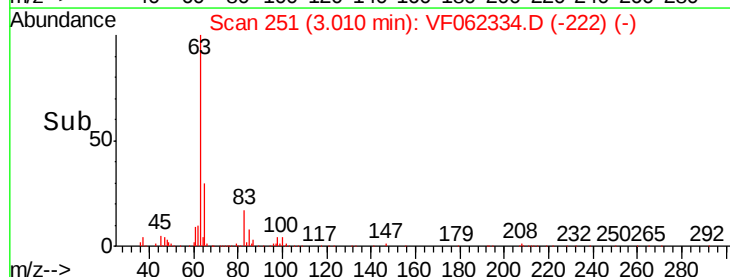
20000

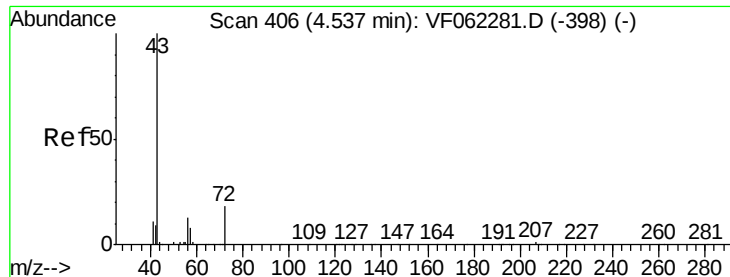
10000

0

2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 98.593 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

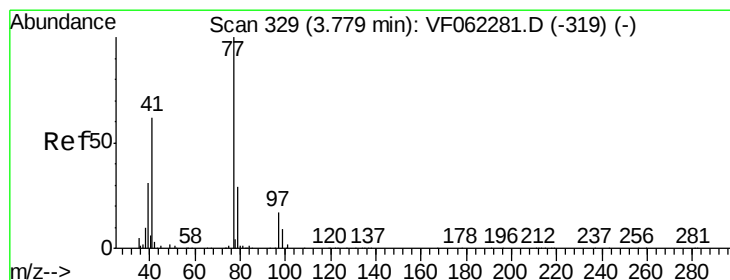
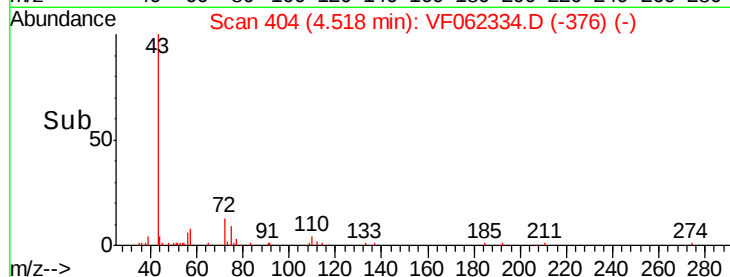
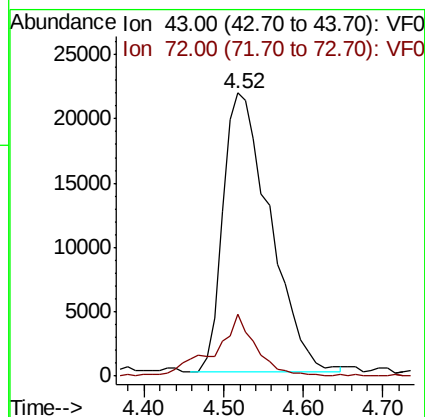
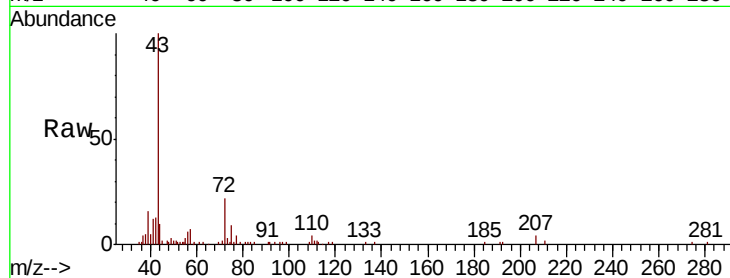
ClientSampleId :

Tot Ion: 43 Resp: 89312

Ion Ratio Lower Upper

43 100

72 21.5 15.8 23.6



#26

2,2-Dichloropropane

Concen: 23.826 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062334.D

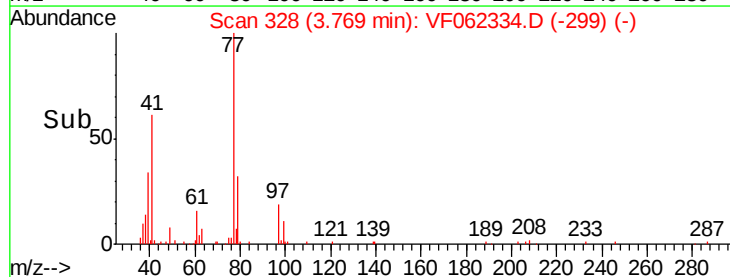
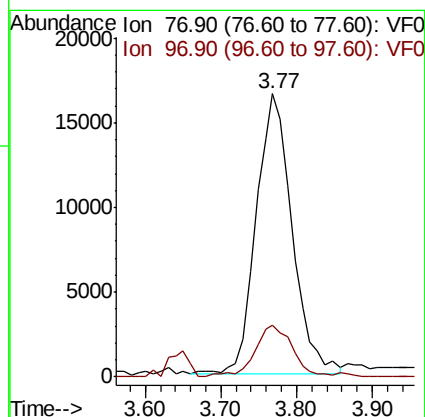
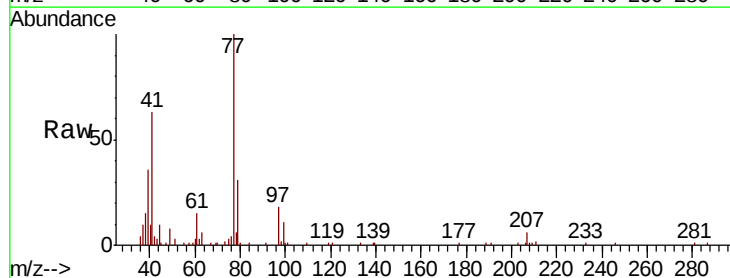
Acq: 30 Apr 2019 15:31

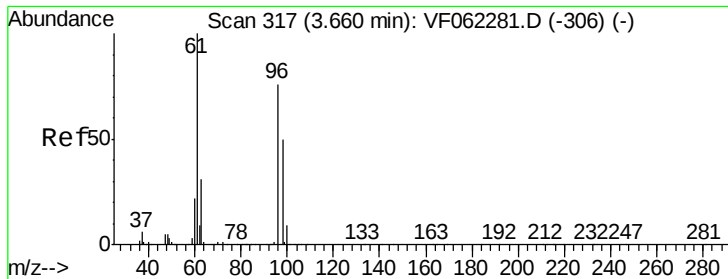
Tgt Ion: 77 Resp: 54985

Ion Ratio Lower Upper

77 100

97 19.3 10.3 30.8



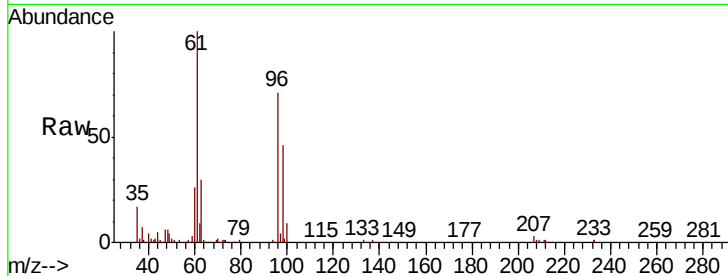


#27

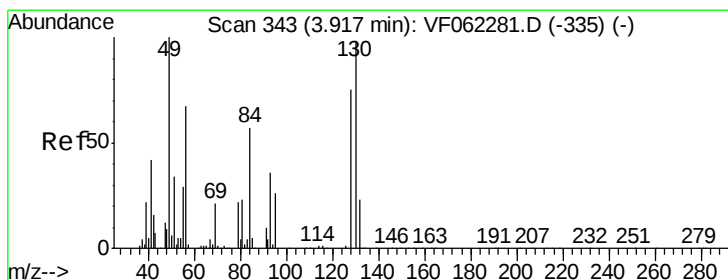
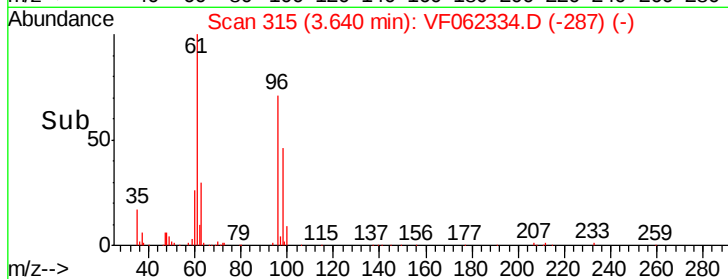
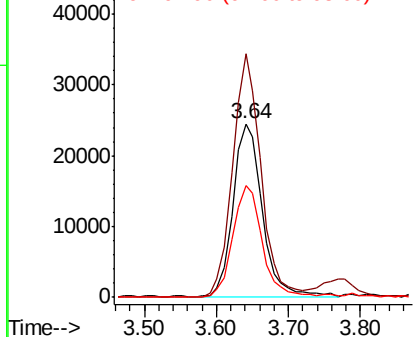
cis-1,2-Dichloroethene
Concen: 21.067 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	257.6
98	63.7	0.0	137.4



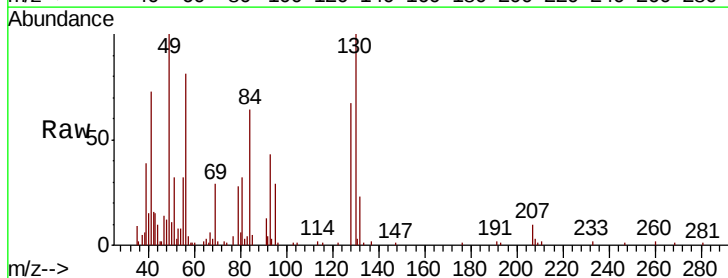
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



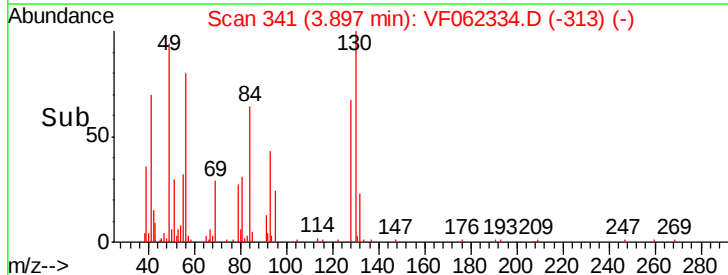
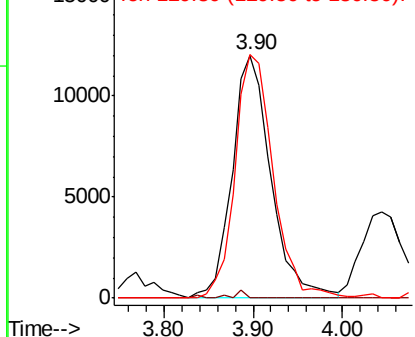
#28

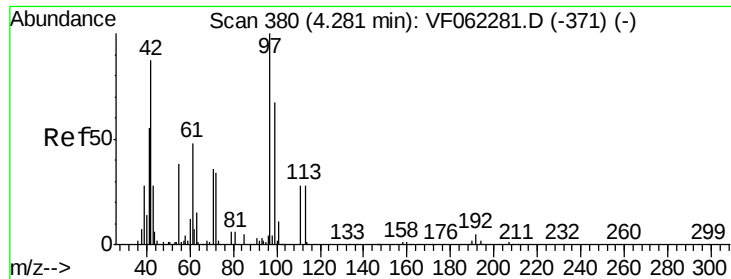
Bromochloromethane
Concen: 19.448 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	0.0#
130	98.6	77.0	115.4



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 100.936 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

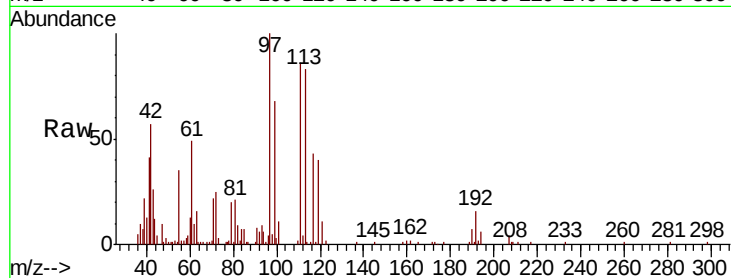
Tot Ion: 42 Resp: 40176

Ion Ratio Lower Upper

42 100

72 40.8 29.3 43.9

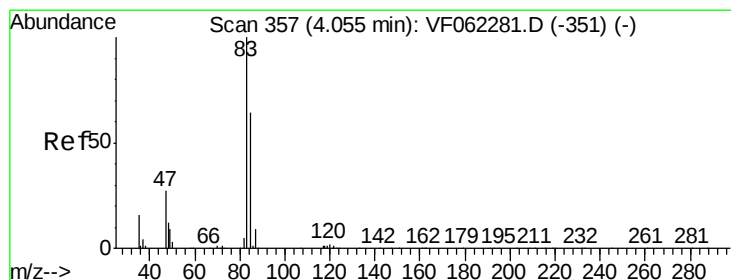
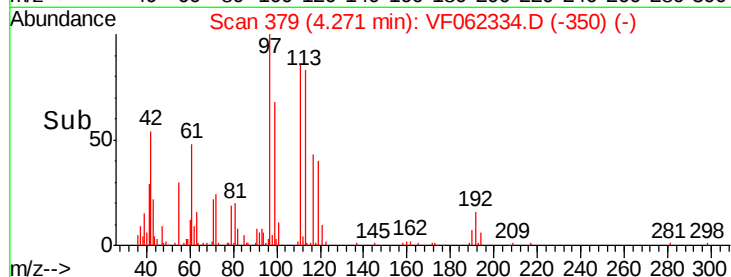
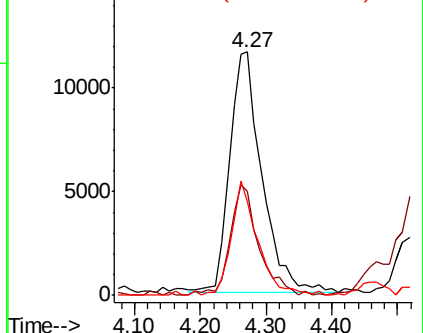
71 38.7 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.811 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062334.D

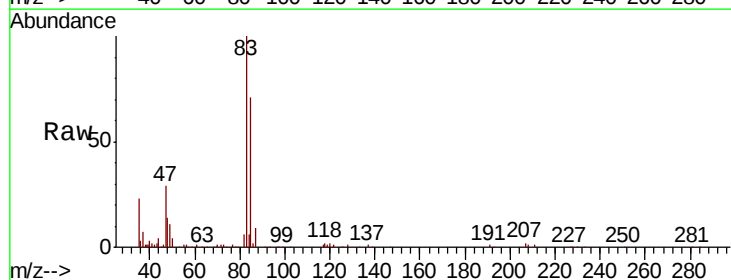
Acq: 30 Apr 2019 15:31

Tgt Ion: 83 Resp: 127295

Ion Ratio Lower Upper

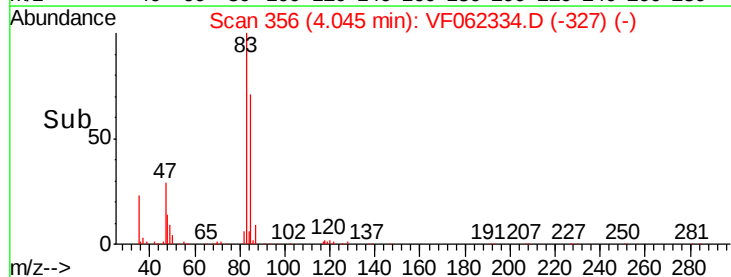
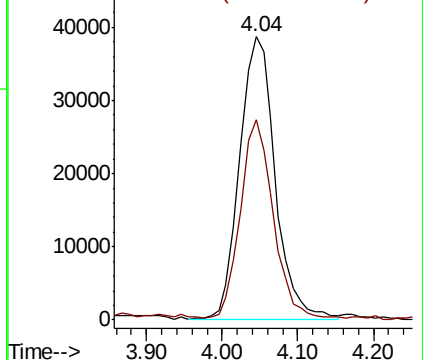
83 100

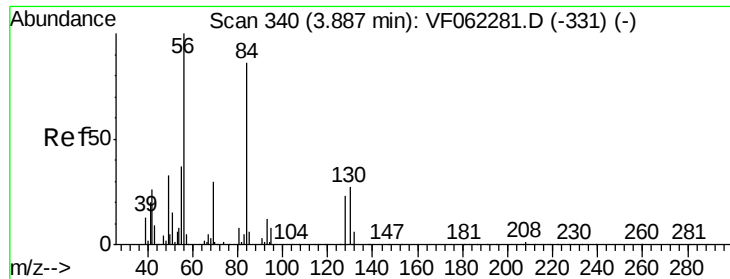
85 69.6 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 11.580 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.02 min

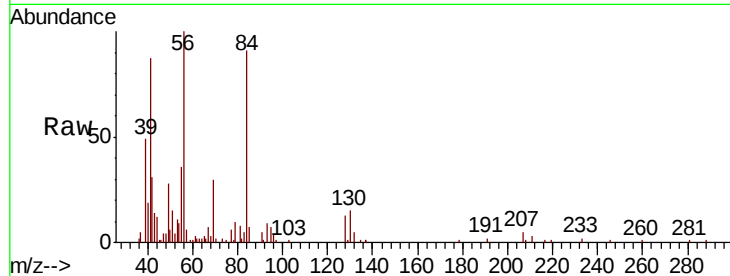
Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 48967

Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.3	36.5
84	90.1	68.5	102.7

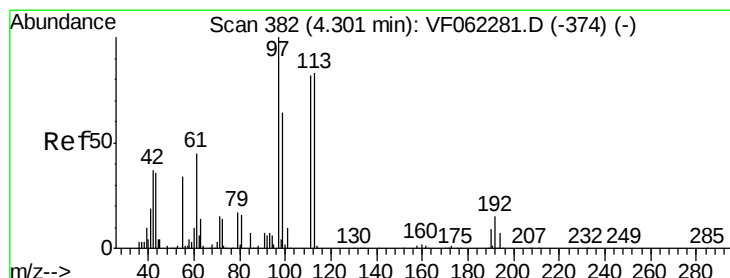
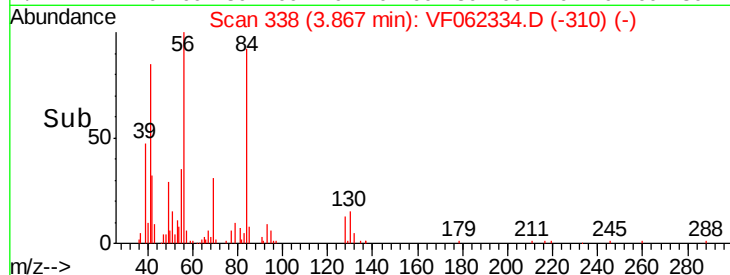
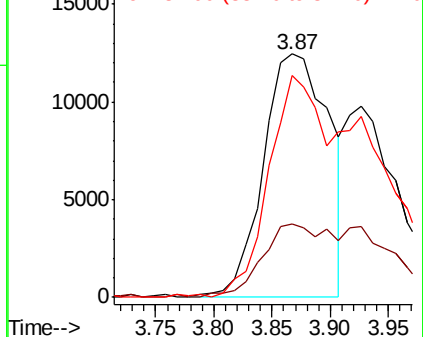


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 19.447 ug/l

RT: 4.28 min Scan# 380

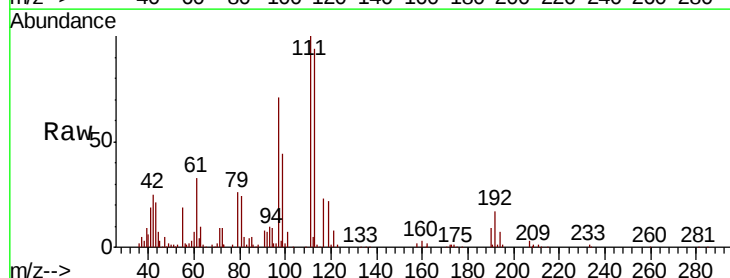
Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Tgt Ion: 97 Resp: 85204

Ion	Ratio	Lower	Upper
97	100		
99	64.3	41.6	62.4#
61	50.8	31.6	47.4#

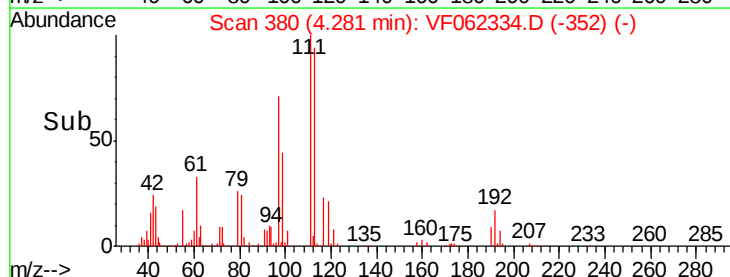
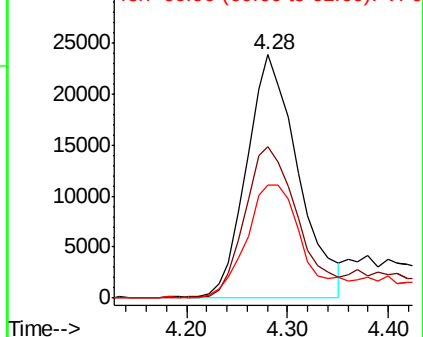


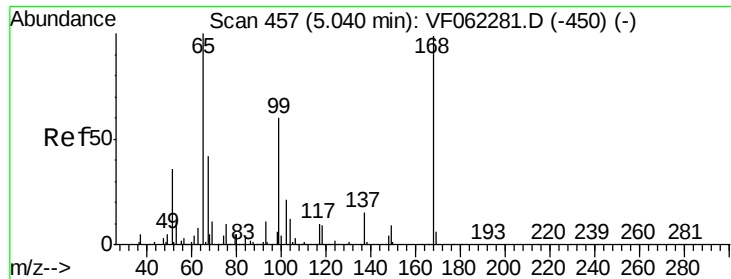
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

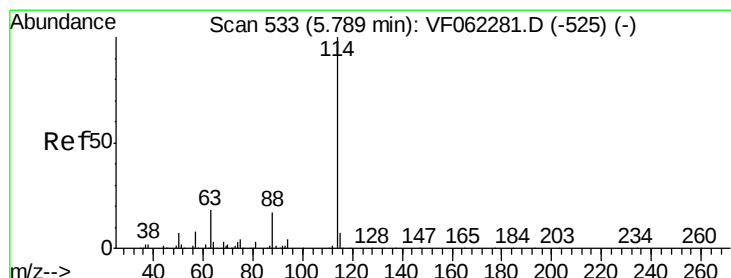
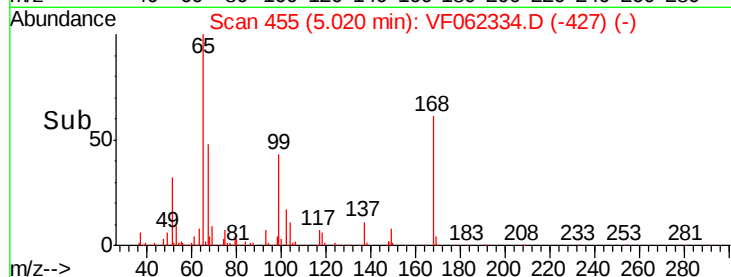
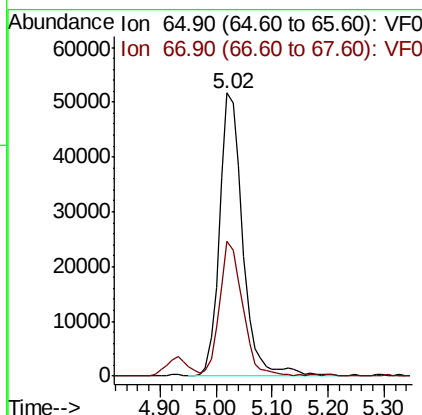
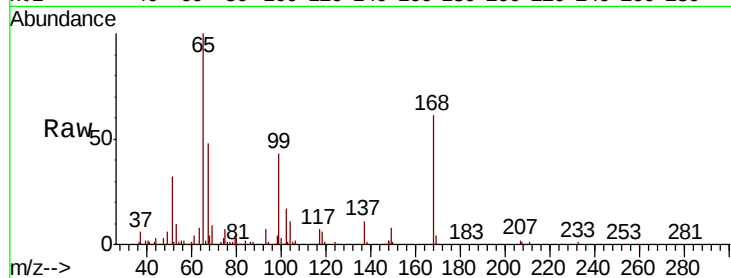




#33
 1,2-Dichloroethane-d4
 Concen: 58.736 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

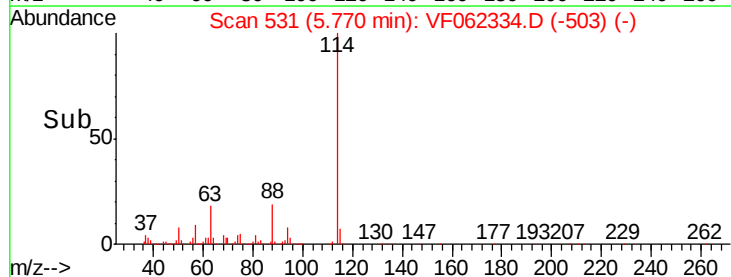
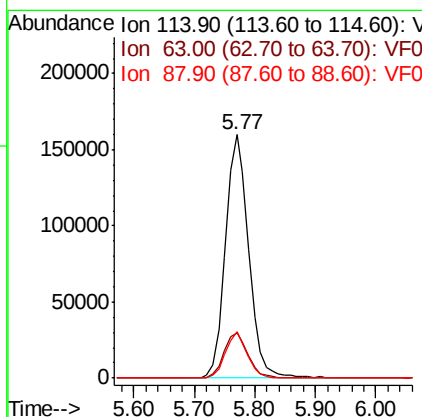
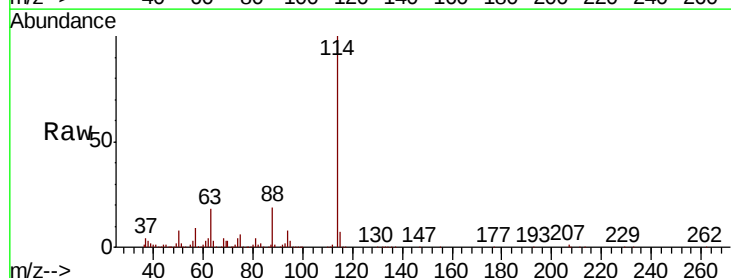
Instrument :
 MSVOA_F
 ClientSampled :

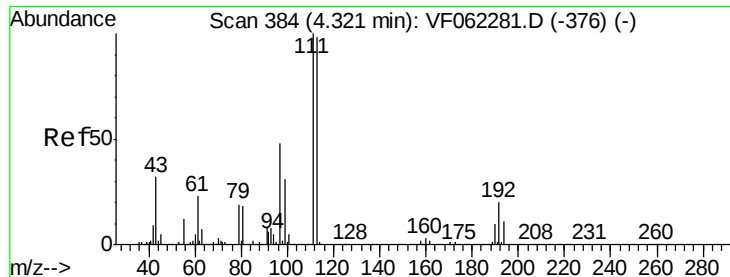
Tot Ion: 65 Resp: 149873
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion: 114 Resp: 424824
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.6
 88 18.9 0.0 34.6

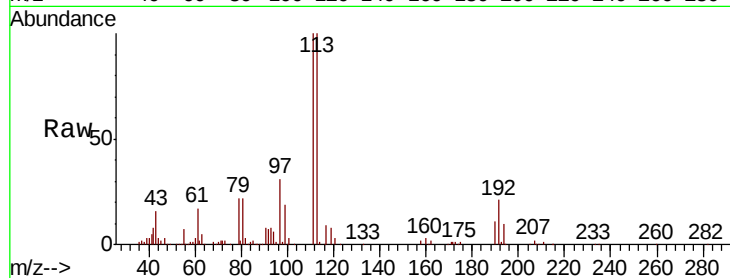




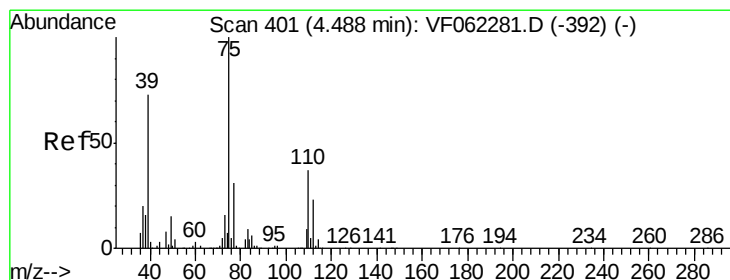
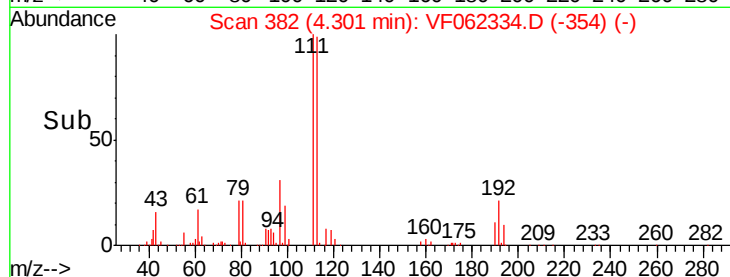
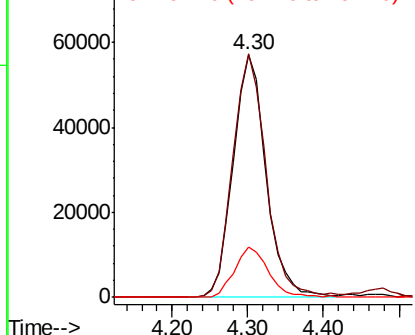
#35
 Dibromofluoromethane
 Concen: 54.576 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:113 Resp: 171908
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.2
 192 21.7 17.0 25.4

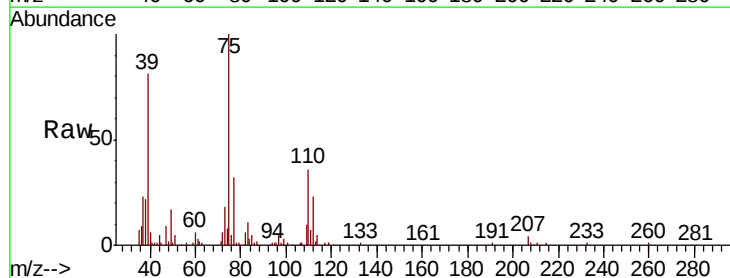


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

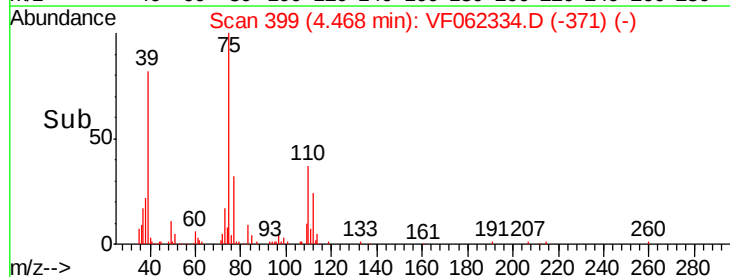
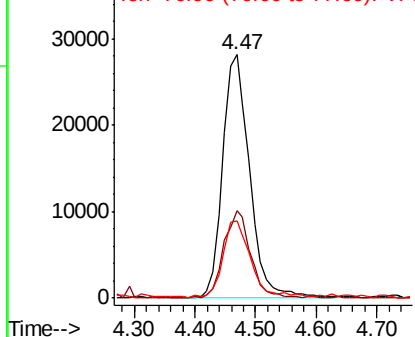


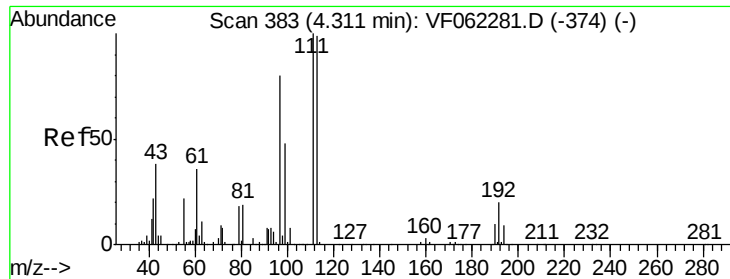
#36
 1,1-Dichloropropene
 Concen: 22.321 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.02 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion: 75 Resp: 87482
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.9 53.8
 77 33.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 22.091 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

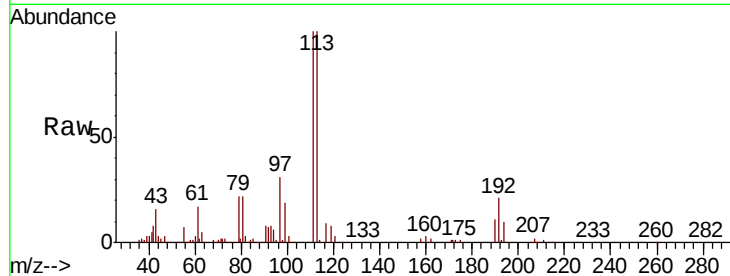
Tot Ion: 43 Resp: 36425

Ion Ratio Lower Upper

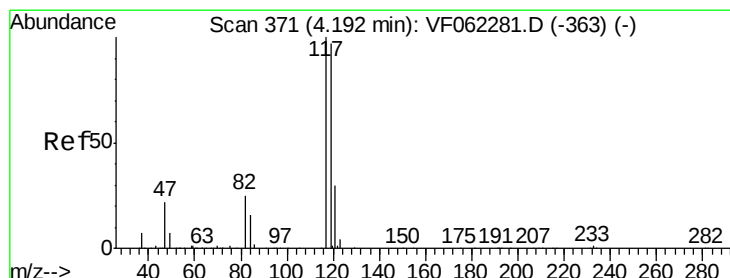
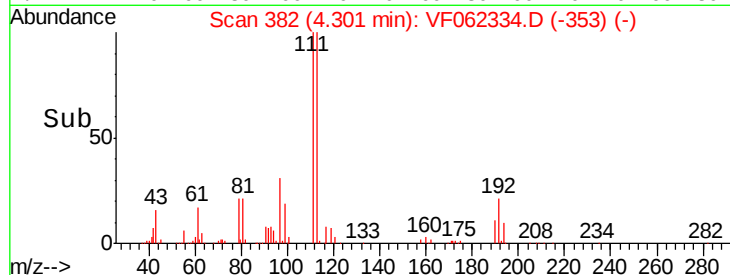
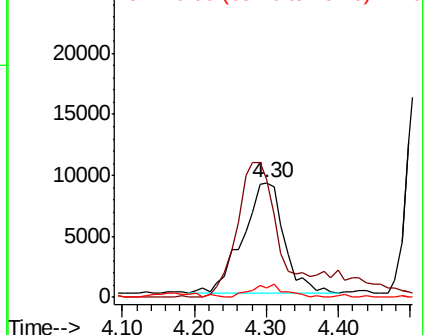
43 100

61 118.8 85.8 128.6

70 9.3 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



#38

Carbon Tetrachloride

Concen: 22.424 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

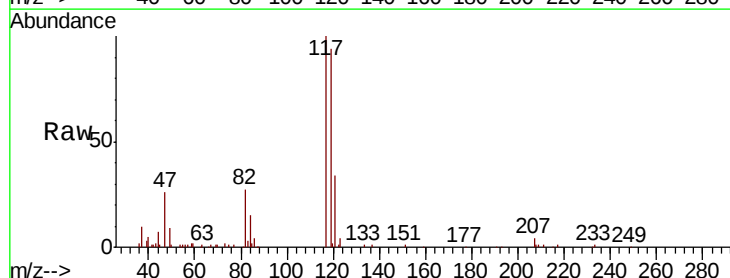
Tgt Ion: 117 Resp: 89346

Ion Ratio Lower Upper

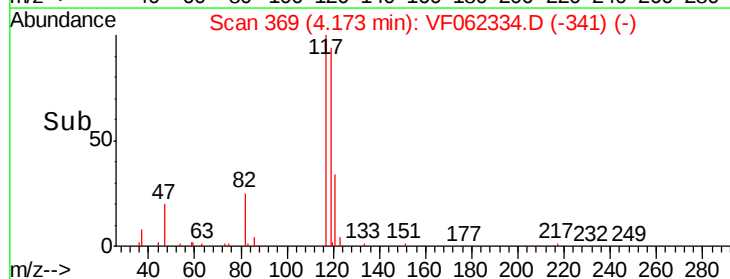
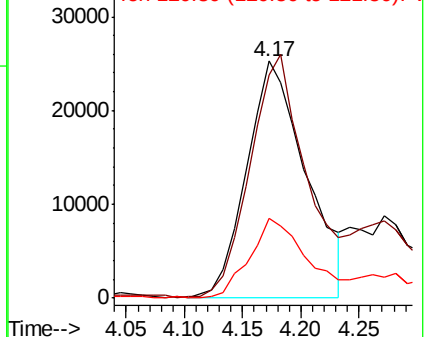
117 100

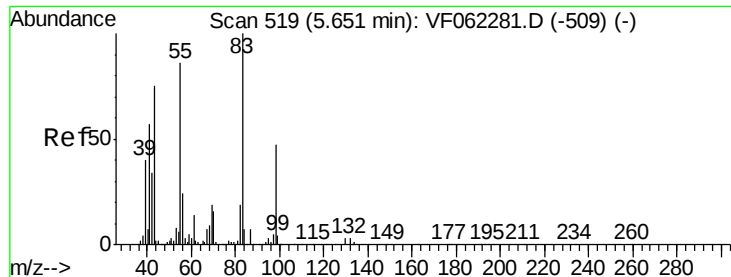
119 93.7 77.3 115.9

121 33.7 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

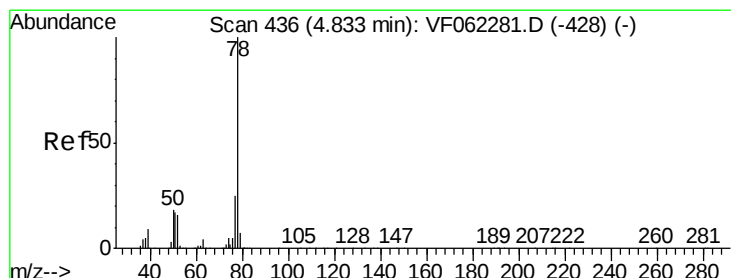
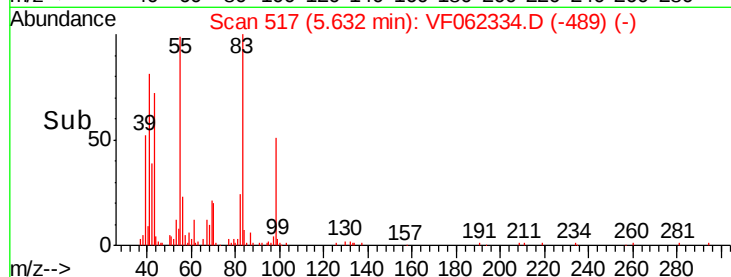
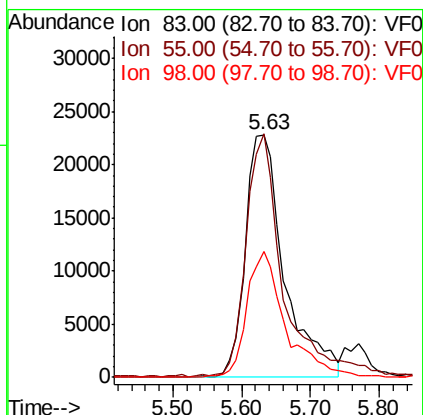
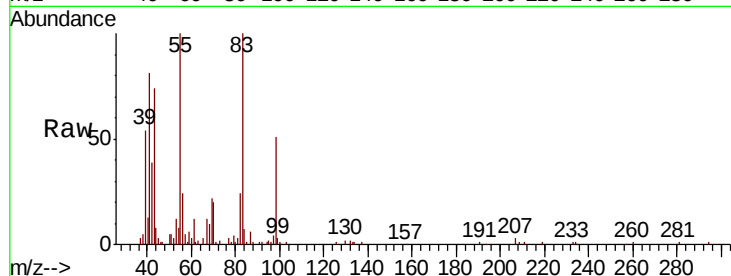




#39
Methvlcvclohexane
Concen: 19.788 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

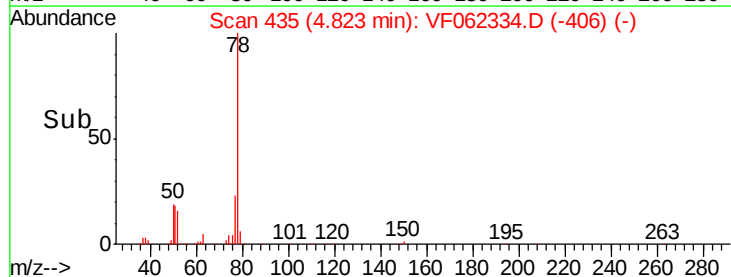
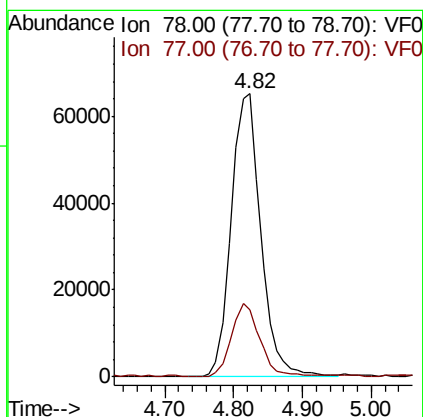
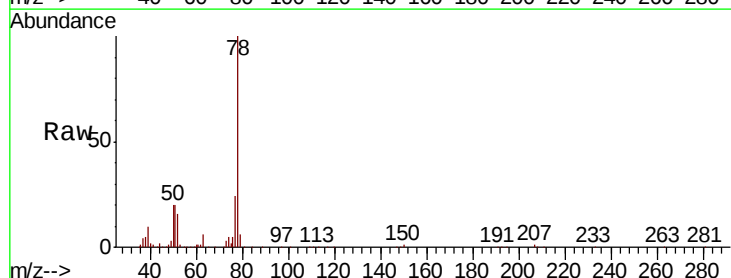
Instrument :
MSVOA_F
ClientSampleId :

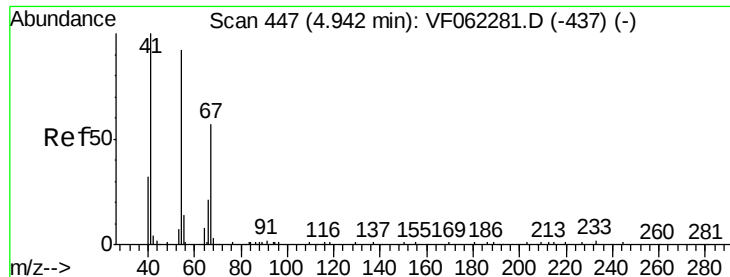
Tot Ion: 83 Resp: 90534
Ion Ratio Lower Upper
83 100
55 100.2 68.7 103.1
98 51.6 37.4 56.2



#40
Benzene
Concen: 20.576 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 78 Resp: 194836
Ion Ratio Lower Upper
78 100
77 23.5 19.7 29.5

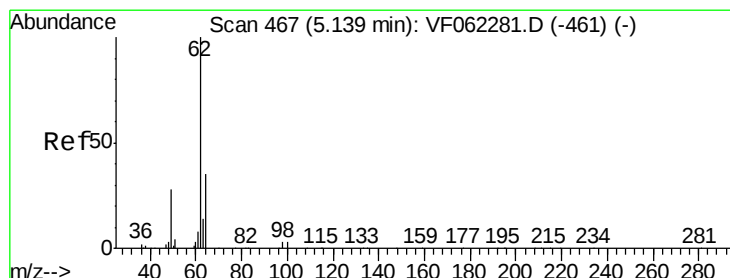
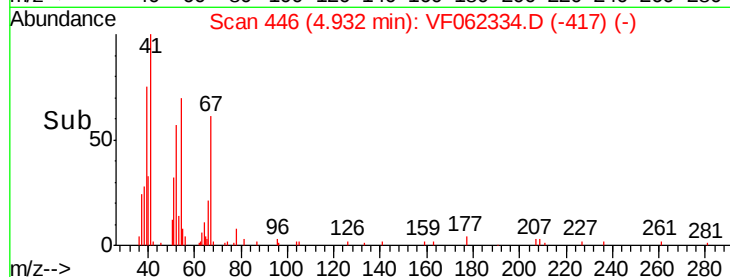
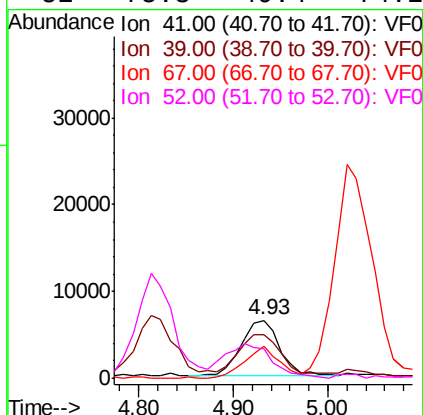
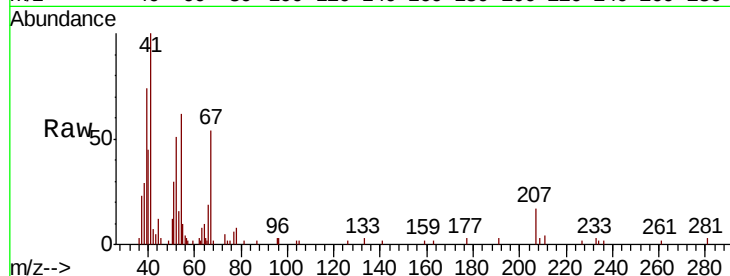




#41
Methacrylonitrile
Concen: 19.957 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

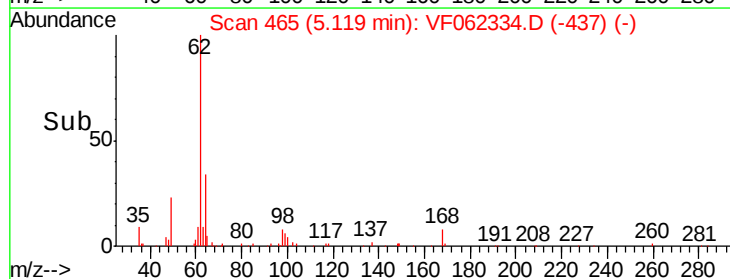
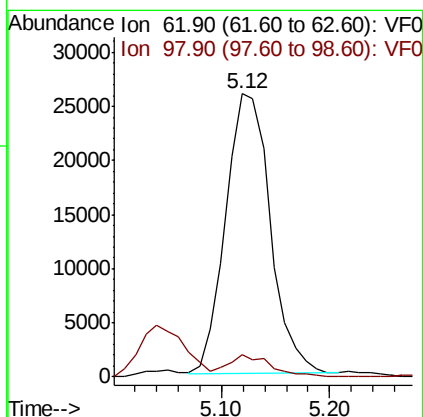
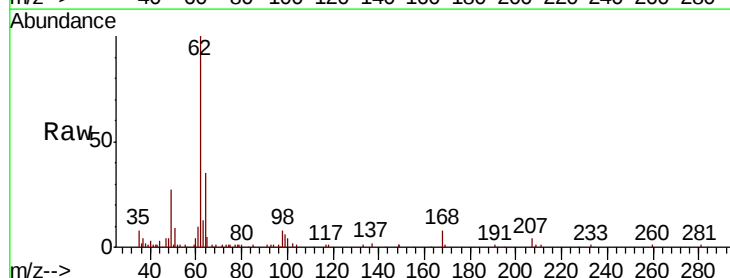
Instrument :
MSVOA_F
ClientSampleId :

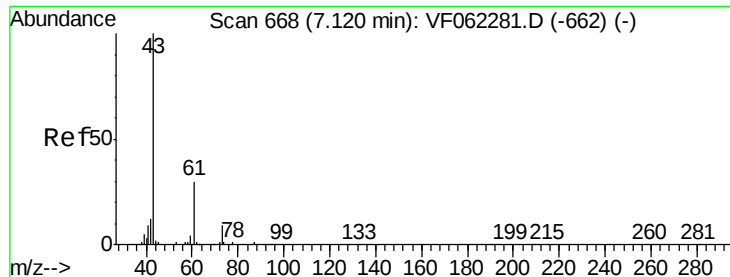
Tot Ion:	41	Resp:	18281
Ion	Ratio	Lower	Upper
41	100		
39	82.1	47.3	70.9#
67	52.1	41.3	61.9
52	75.3	49.4	74.2#



#42
1,2-Dichloroethane
Concen: 24.769 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion:	62	Resp:	74304
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.8



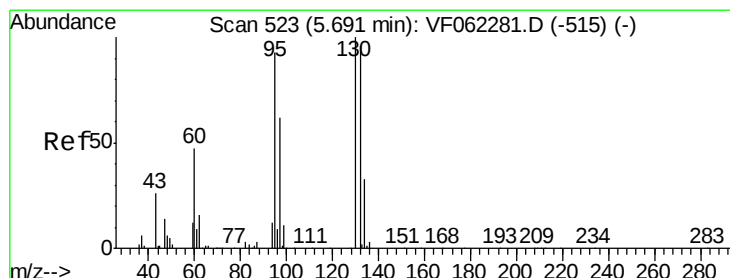
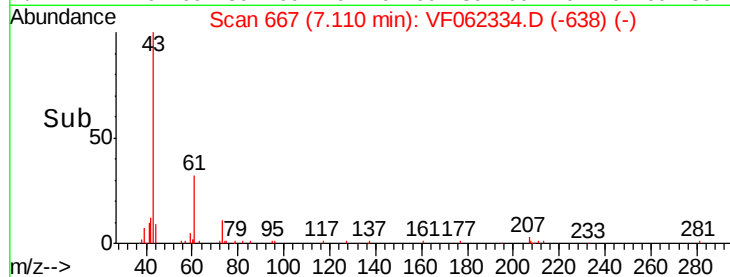
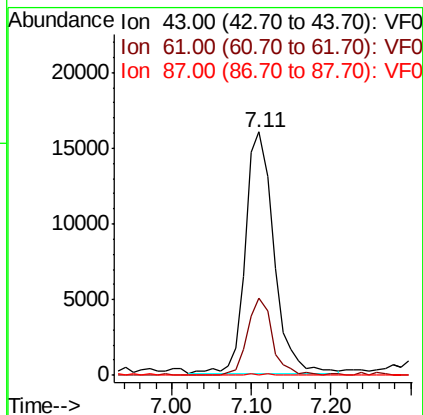
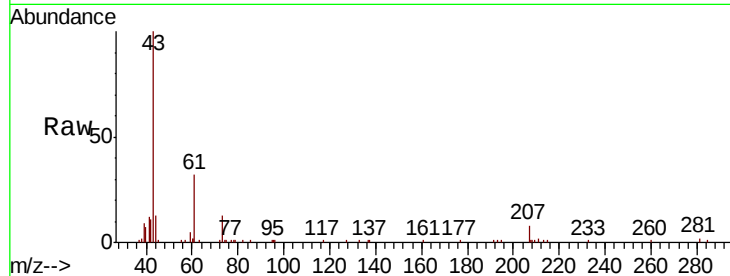


#43

Isopropyl Acetate
 Concen: 23.169 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Instrument :
 MSVOA_F
 ClientSampleId :

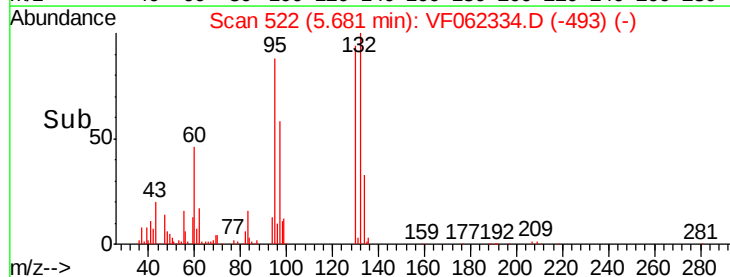
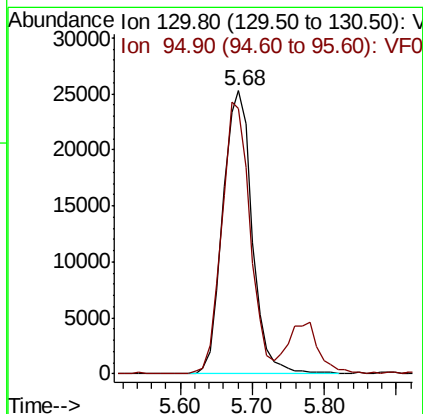
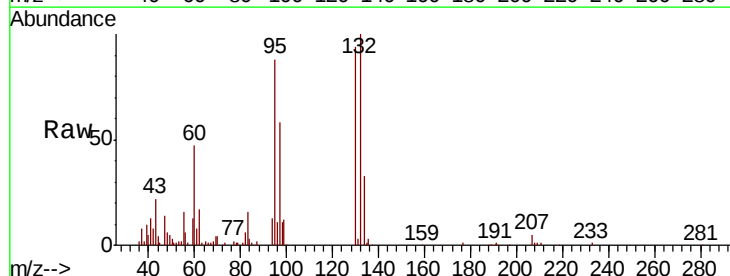
Tot Ion: 43 Resp: 39339
 Ion Ratio Lower Upper
 43 100
 61 27.9 23.8 35.6
 87 0.4 0.5 0.7#

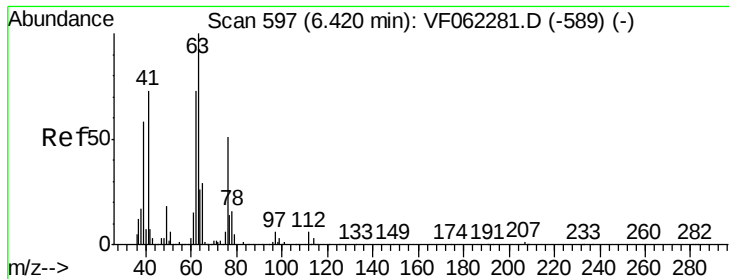


#44

Trichloroethene
 Concen: 22.208 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion: 130 Resp: 71150
 Ion Ratio Lower Upper
 130 100
 95 94.0 0.0 186.4





#45

1,2-Dichloropropane

Concen: 19.753 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

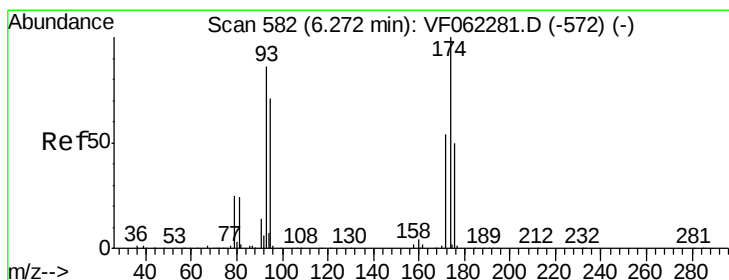
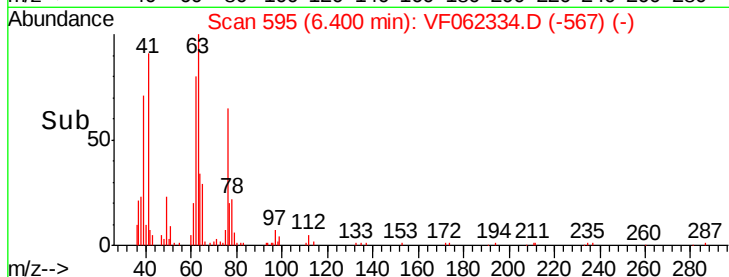
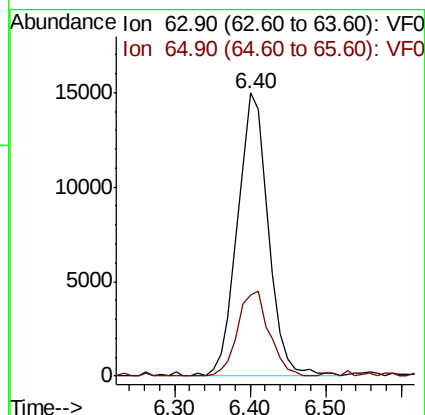
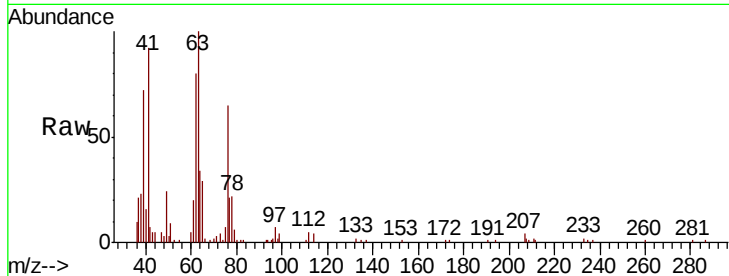
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 42174

Ion Ratio Lower Upper

63 100

65 28.8 23.5 35.3



#46

Dibromomethane

Concen: 23.793 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

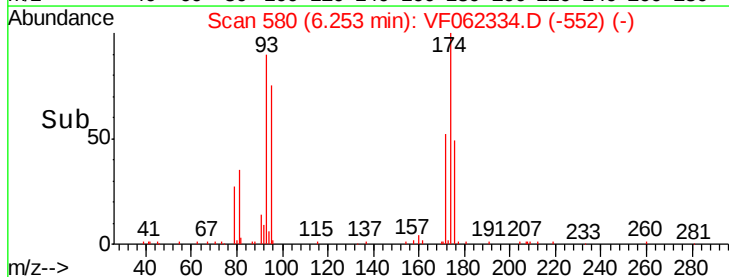
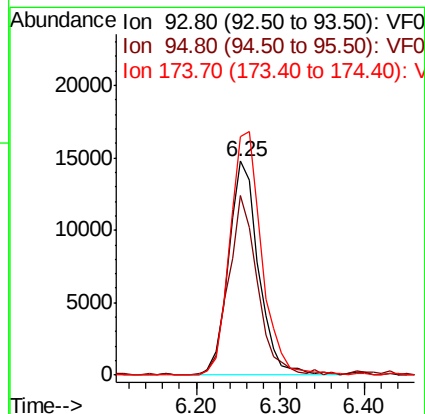
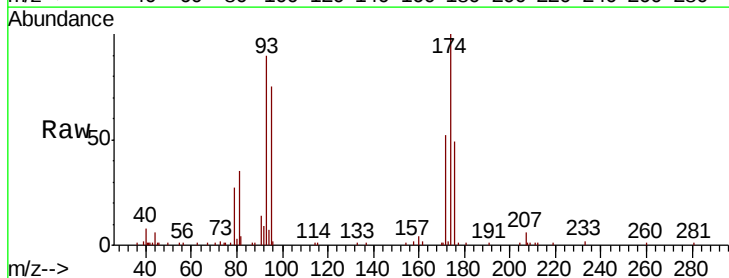
Tgt Ion: 93 Resp: 36680

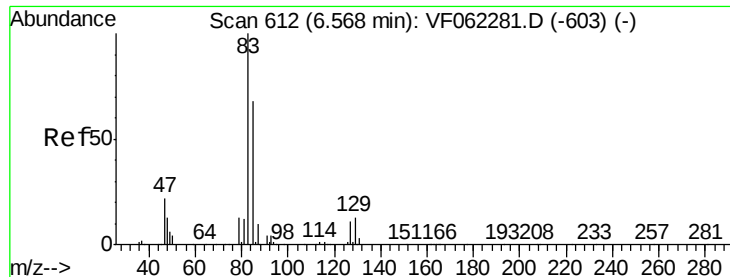
Ion Ratio Lower Upper

93 100

95 80.1 66.2 99.4

174 120.3 94.9 142.3





#47

Bromodichloromethane

Concen: 24.018 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

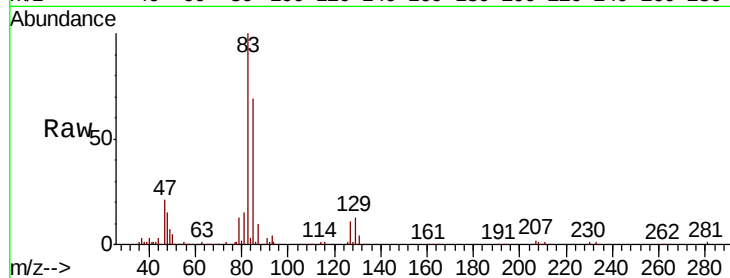
Tot Ion: 83 Resp: 87045

Ion Ratio Lower Upper

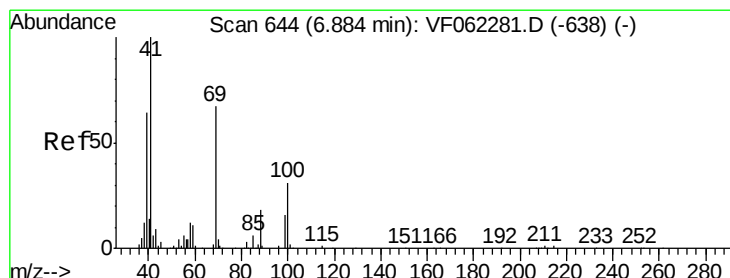
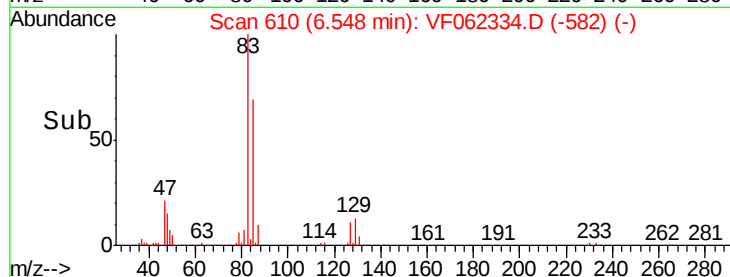
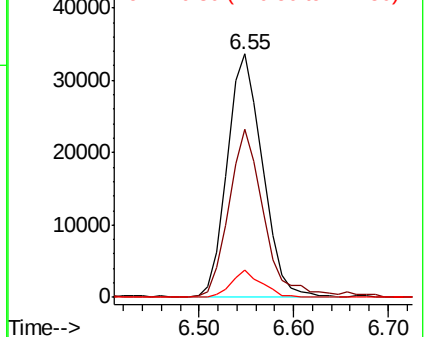
83 100

85 68.8 54.6 81.8

127 11.1 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.920 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

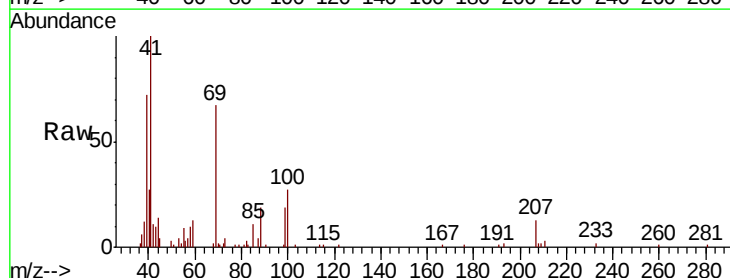
Tgt Ion: 41 Resp: 24064

Ion Ratio Lower Upper

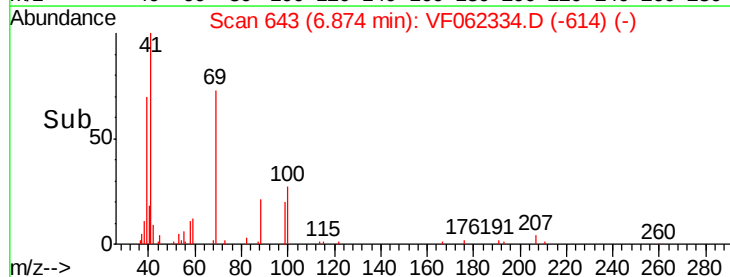
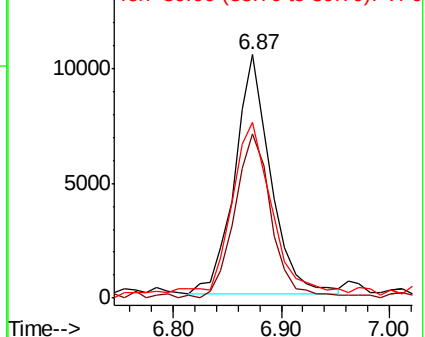
41 100

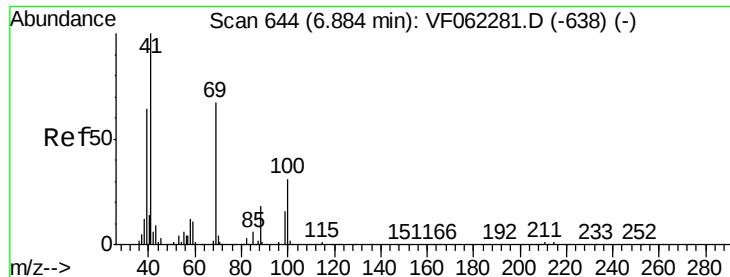
69 71.2 53.4 80.2

39 90.3 50.9 76.3#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

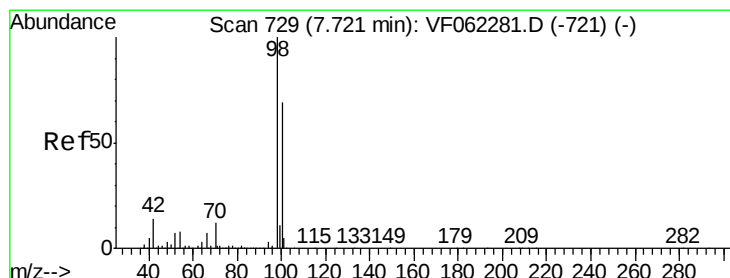
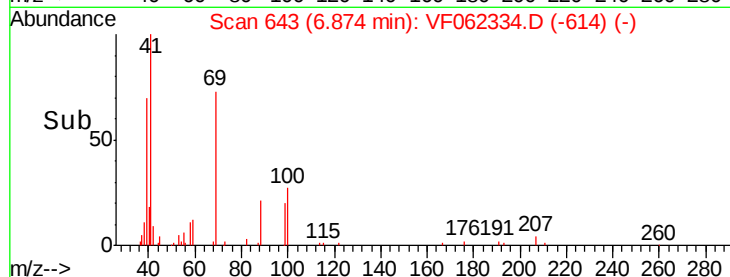
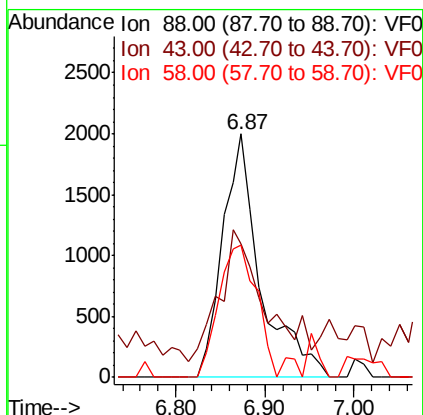
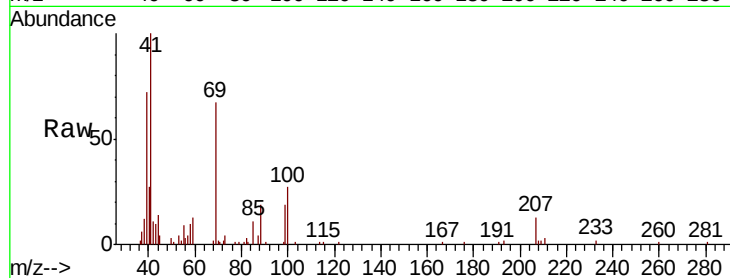




#49
1,4-Dioxane
Concen: 427.162 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

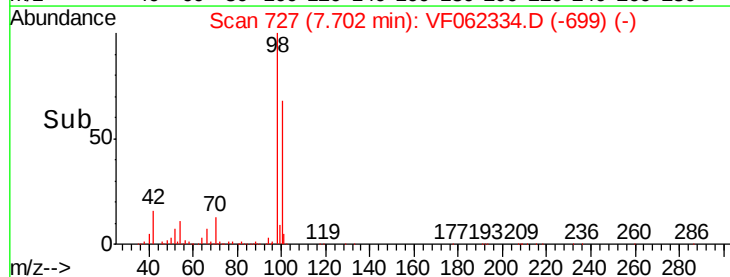
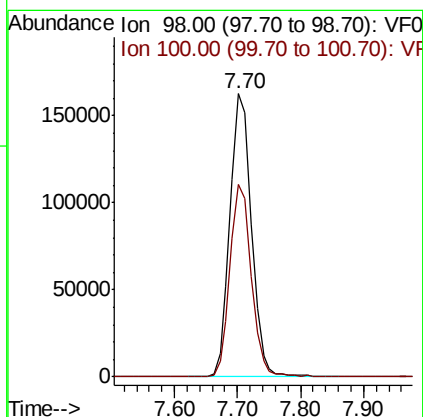
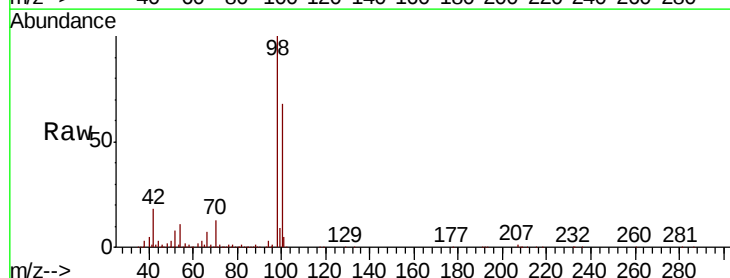
Instrument :
MSVOA_F
ClientSampled :

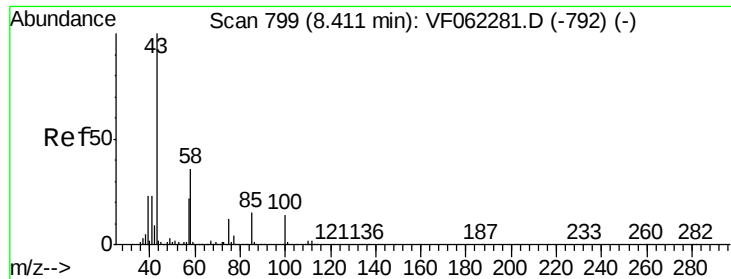
Tot Ion: 88 Resp: 5942
Ion Ratio Lower Upper
88 100
43 59.9 34.2 51.4#
58 54.5 50.7 76.1



#50
Toluene-d8
Concen: 49.769 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 98 Resp: 382913
Ion Ratio Lower Upper
98 100
100 67.7 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 114.319 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

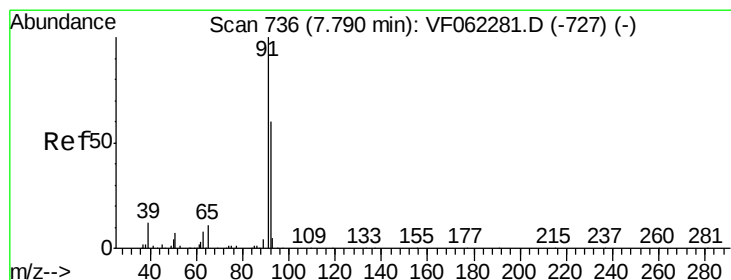
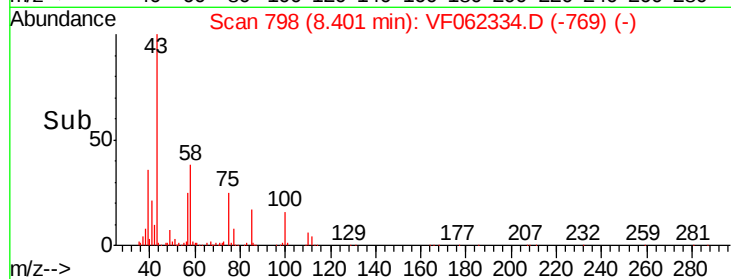
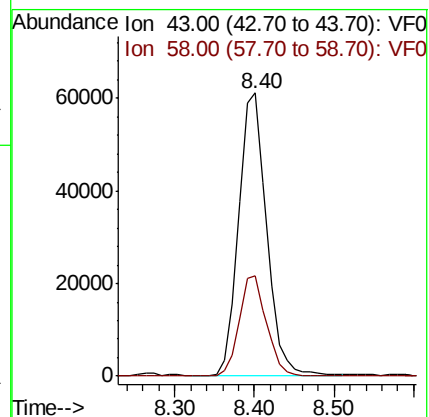
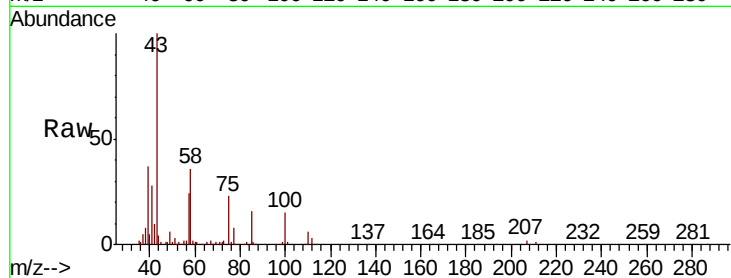
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 148520

Ion Ratio Lower Upper

43 100

58 34.7 29.1 43.7



#52

Toluene

Concen: 21.482 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062334.D

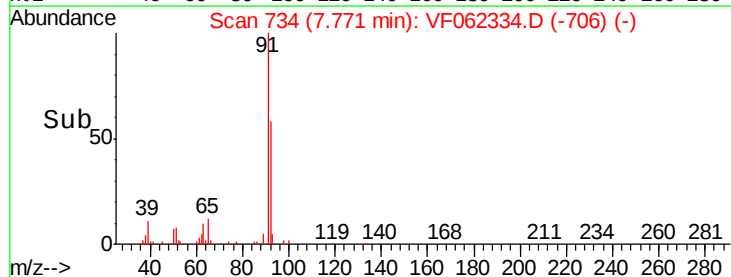
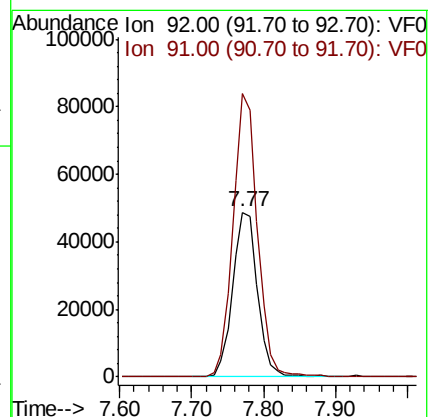
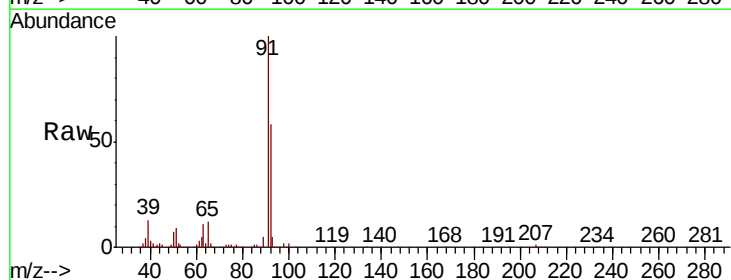
Acq: 30 Apr 2019 15:31

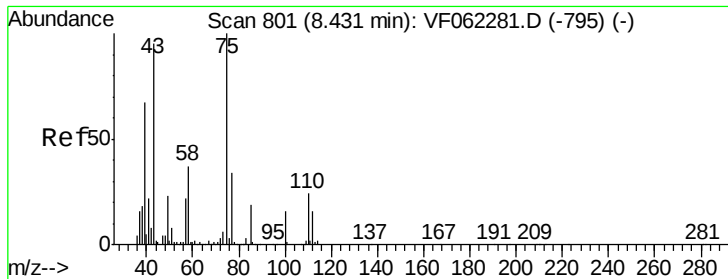
Tgt Ion: 92 Resp: 117383

Ion Ratio Lower Upper

92 100

91 168.8 132.5 198.7

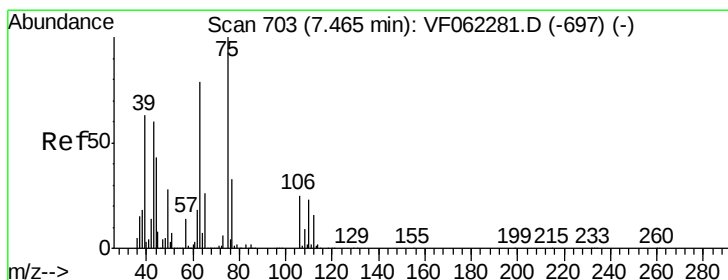
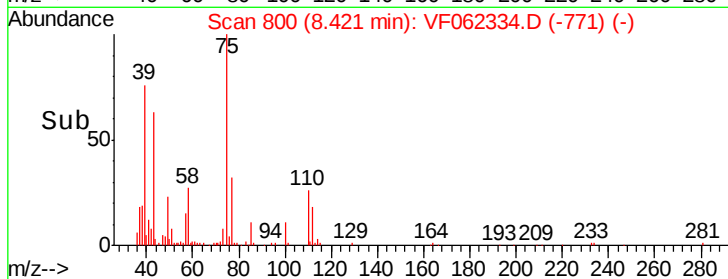
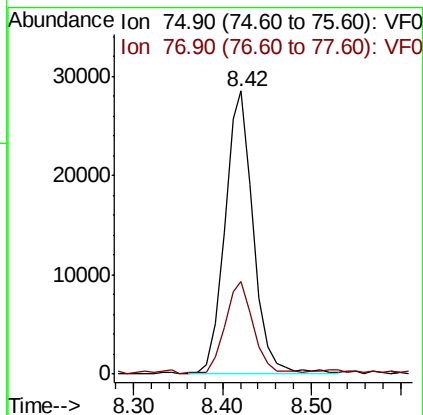
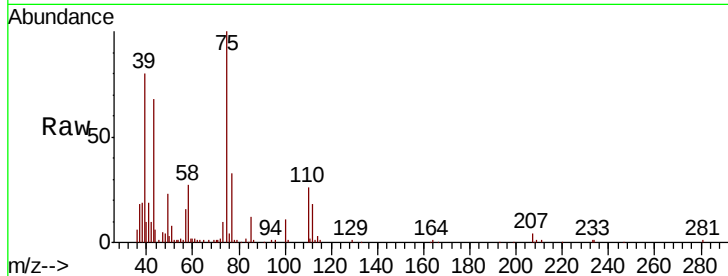




#53
 t-1,3-Dichloropropene
 Concen: 23.943 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

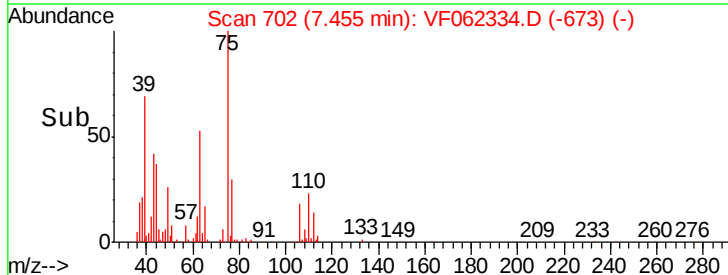
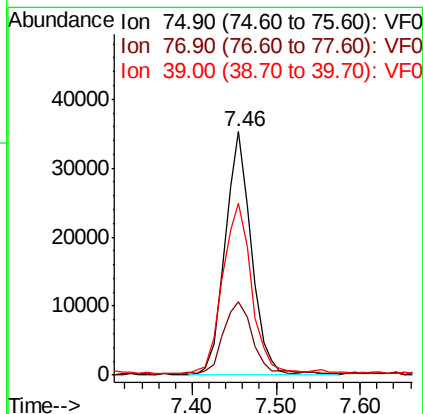
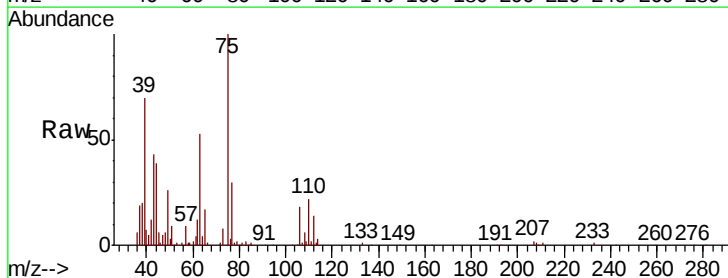
Instrument :
 MSVOA_F
 ClientSampleId :

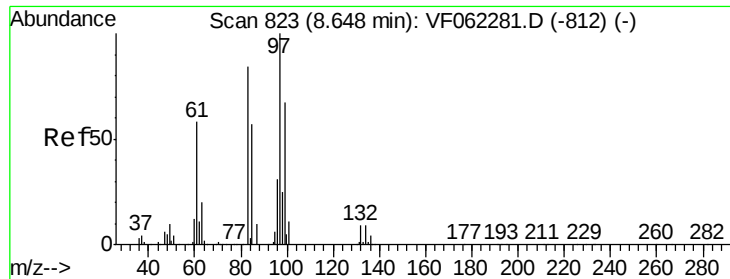
Tot Ion: 75 Resp: 63808
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 22.571 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion: 75 Resp: 77058
 Ion Ratio Lower Upper
 75 100
 77 29.7 26.5 39.7
 39 69.9 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 21.970 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 34095

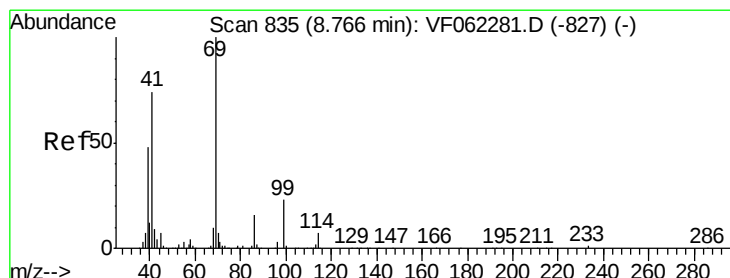
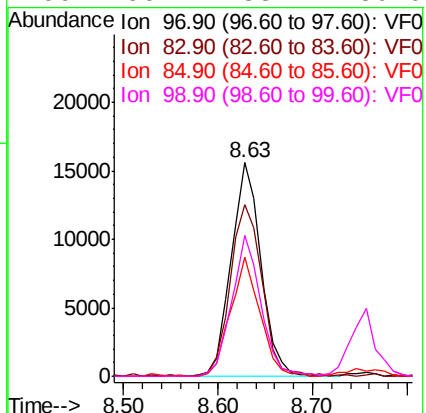
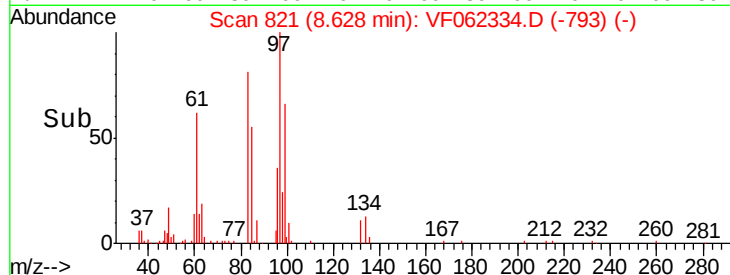
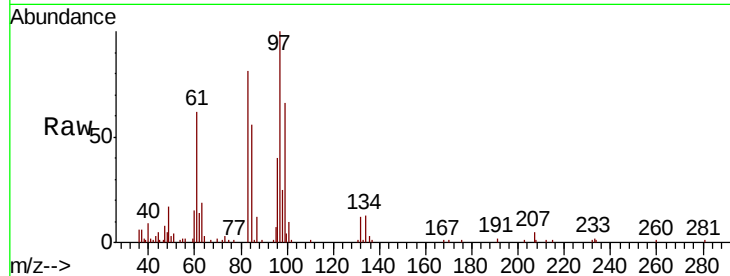
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.5	101.3
85	56.0	45.3	67.9
99	66.1	53.4	80.0

Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 20.620 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

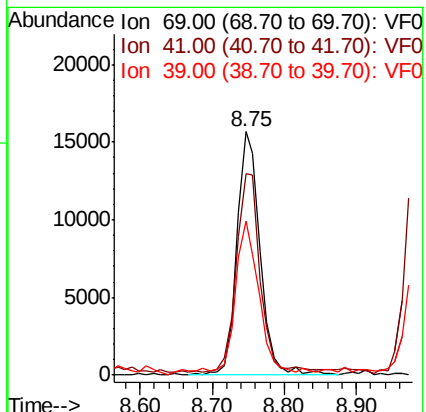
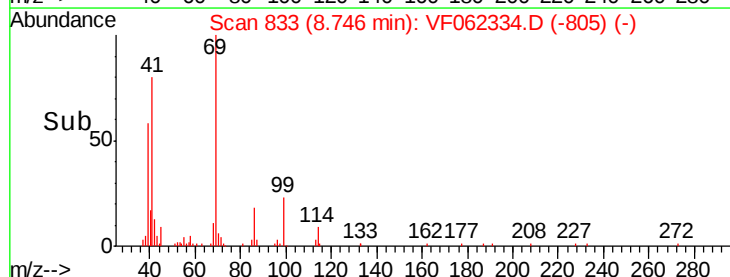
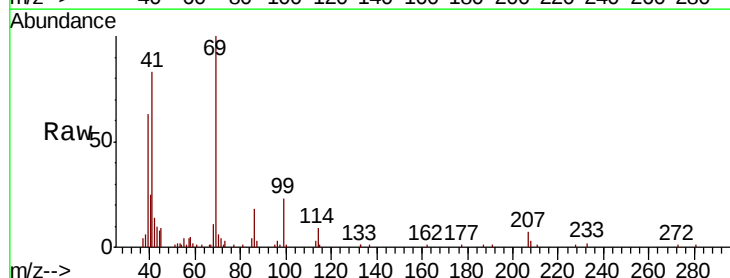
Tgt Ion: 69 Resp: 35154

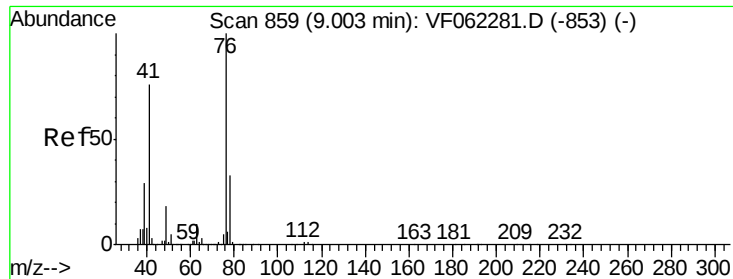
Ion	Ratio	Lower	Upper
69	100		
41	82.1	61.5	92.3
39	60.6	37.9	56.9

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





#57

1,3-Dichloropropane

Concen: 21.982 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

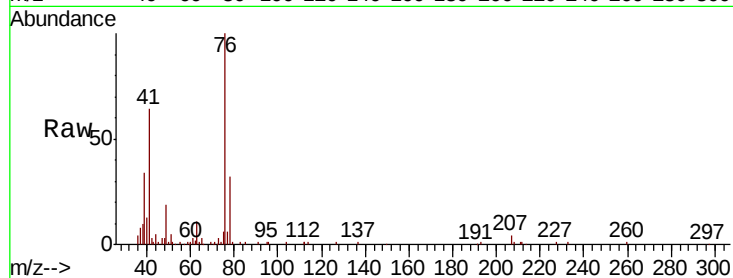
ClientSampleId :

Tot Ion: 76 Resp: 53635

Ion Ratio Lower Upper

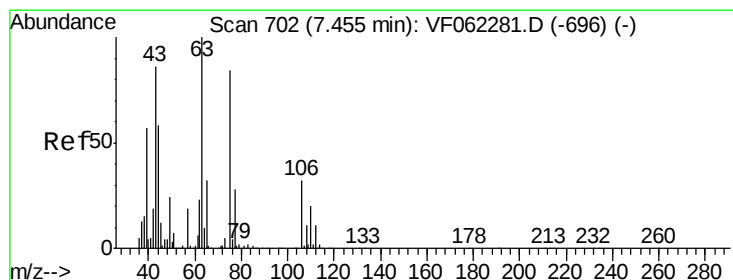
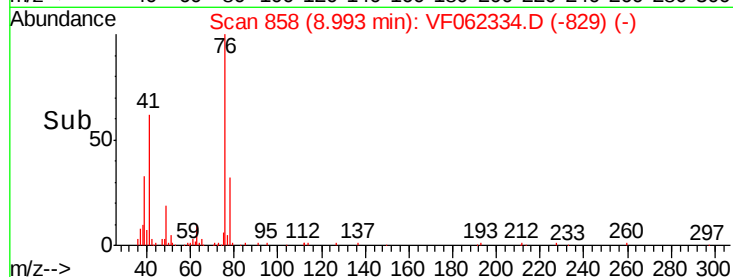
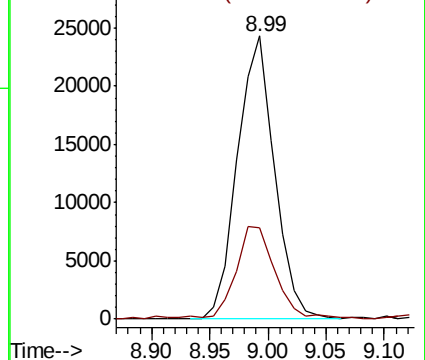
76 100

78 35.1 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 102.170 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062334.D

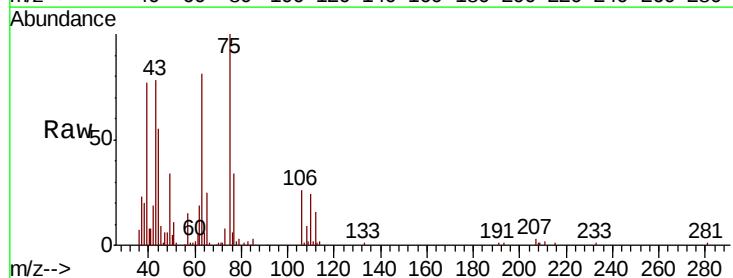
Acq: 30 Apr 2019 15:31

Tgt Ion: 63 Resp: 53004

Ion Ratio Lower Upper

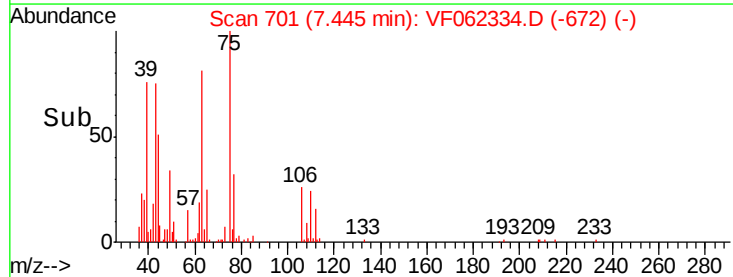
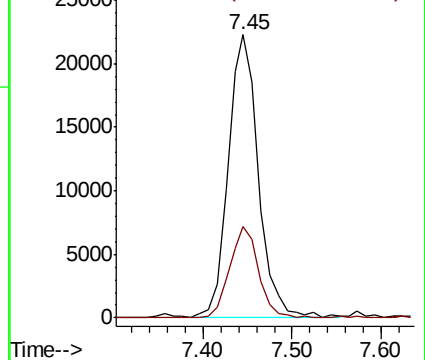
63 100

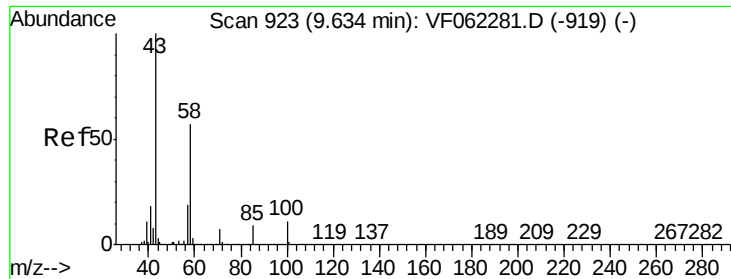
106 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

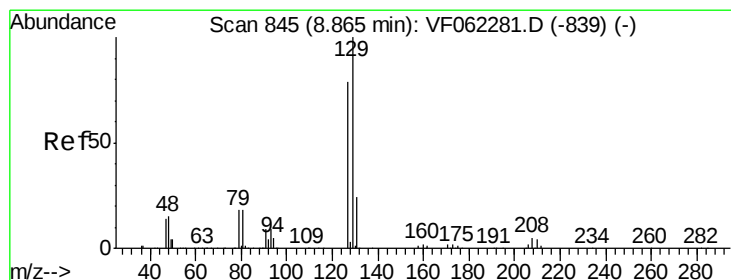
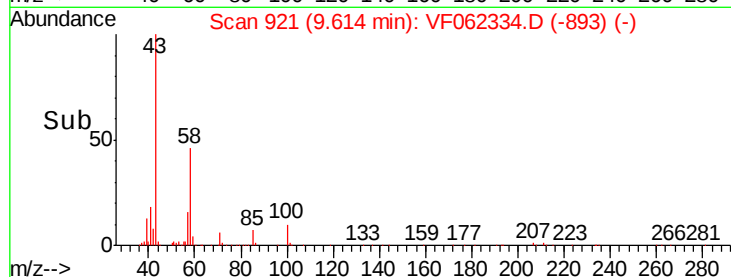
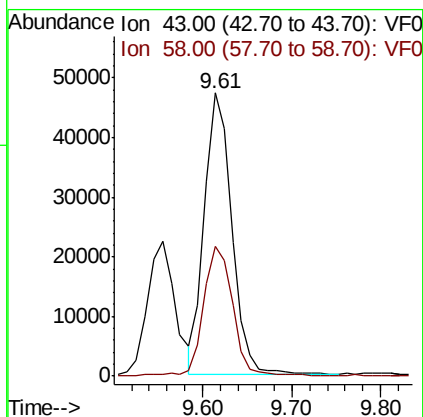
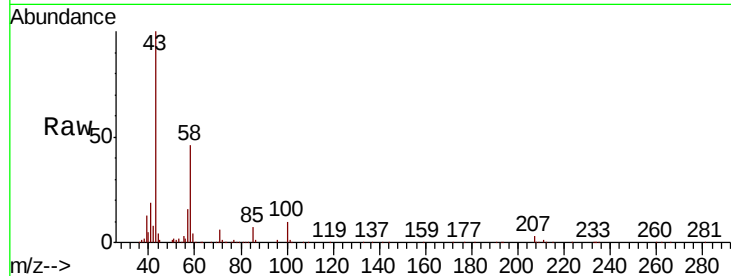




#59
2-Hexanone
Concen: 119.839 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

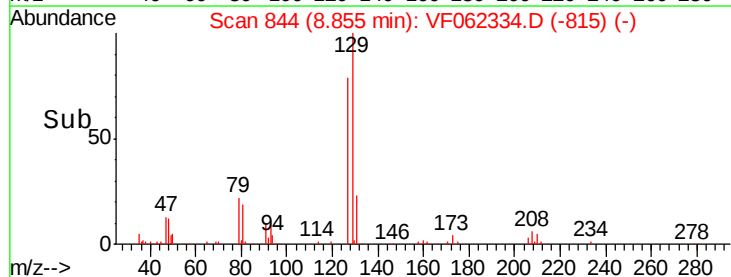
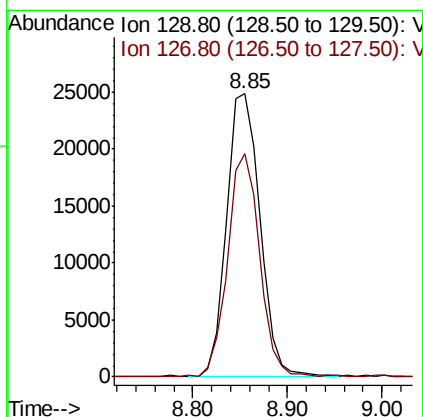
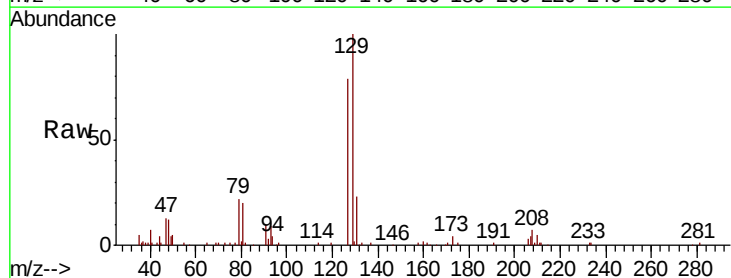
Instrument :
MSVOA_F
ClientSampleId :

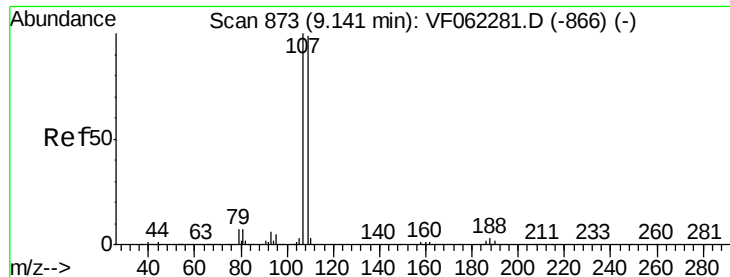
Tot Ion: 43 Resp: 100896
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.7



#60
Dibromochloromethane
Concen: 24.128 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion: 129 Resp: 60772
Ion Ratio Lower Upper
129 100
127 75.5 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.808 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

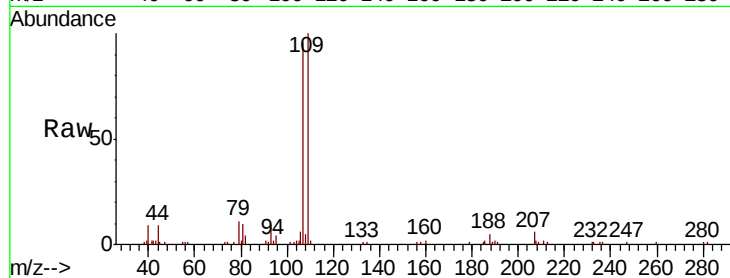
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 39170

Ion Ratio Lower Upper

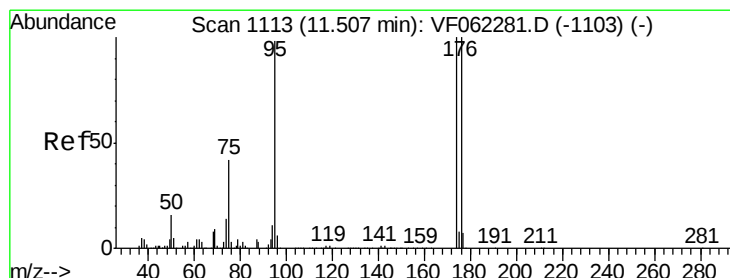
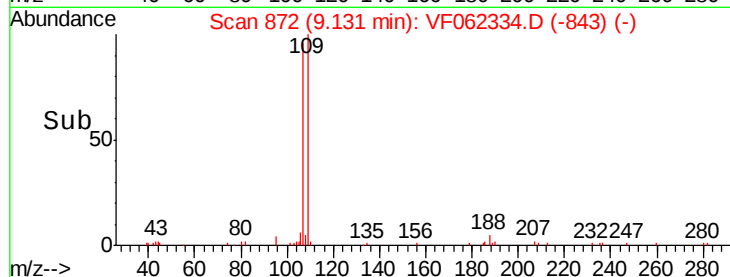
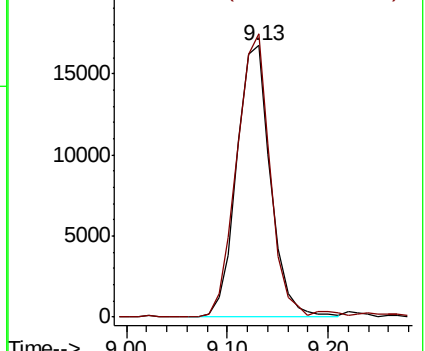
107 100

109 101.8 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.476 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

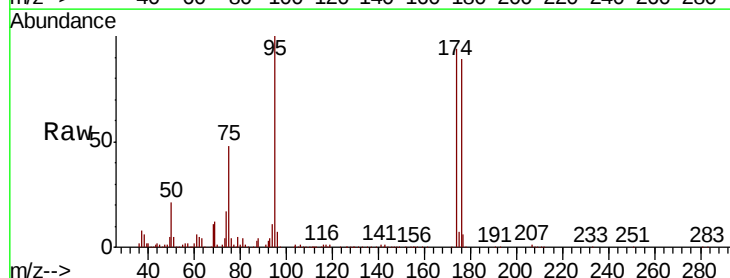
Tgt Ion: 95 Resp: 166417

Ion Ratio Lower Upper

95 100

174 101.8 0.0 185.2

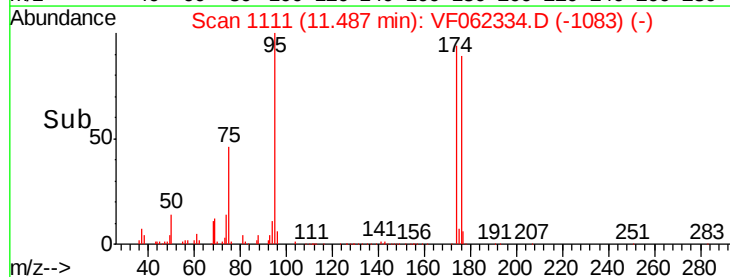
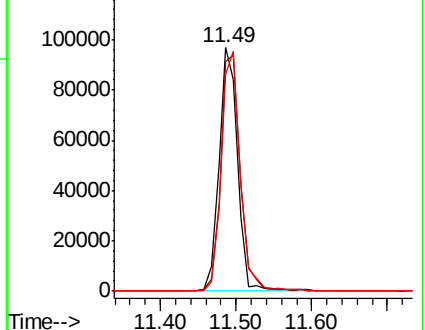
176 100.2 0.0 184.8

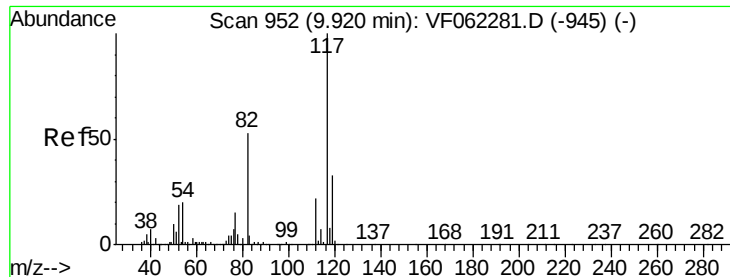


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

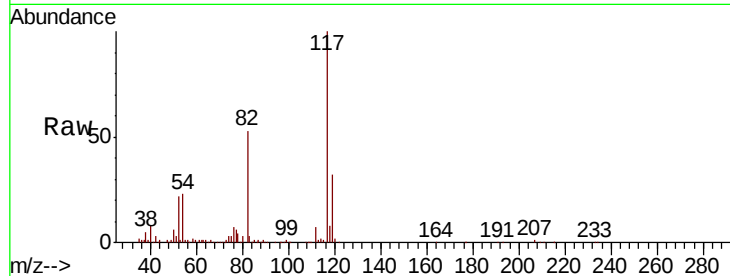




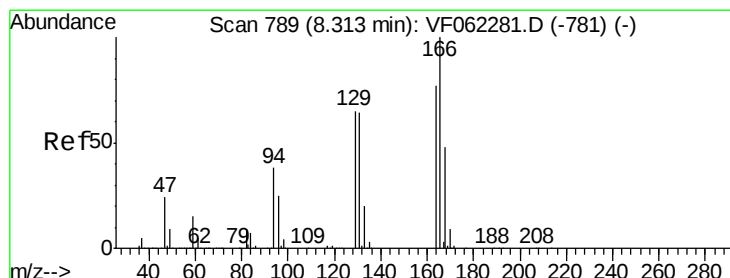
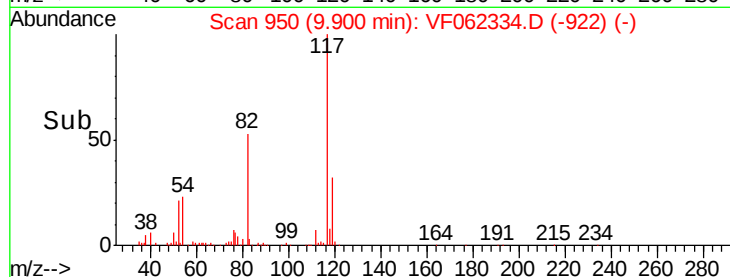
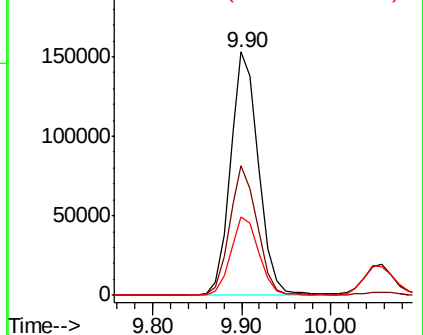
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 338425
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.3 26.1 39.1

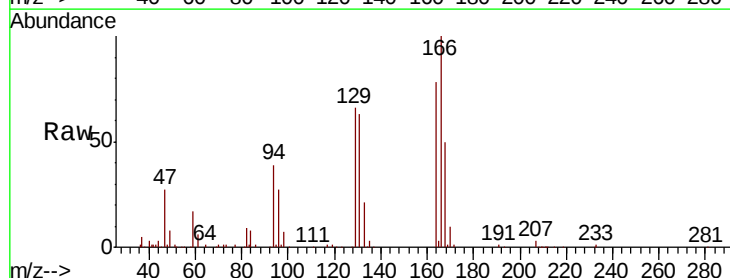


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

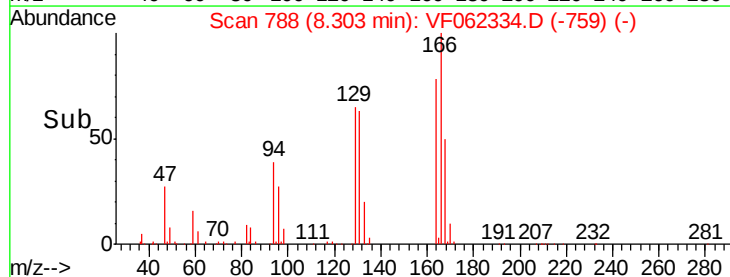
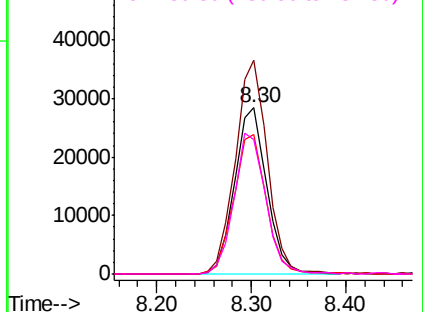


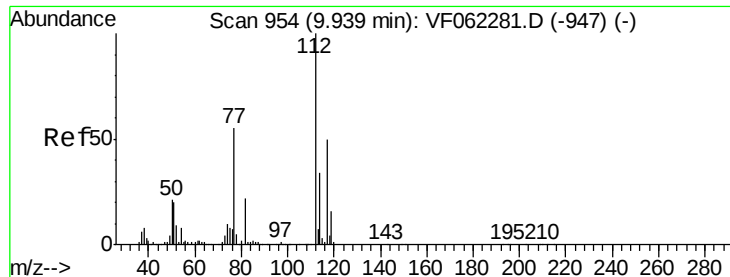
#64
Tetrachloroethene
Concen: 23.606 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion:164 Resp: 66820
Ion Ratio Lower Upper
164 100
166 128.8 103.5 155.3
129 84.5 67.6 101.4
131 80.8 66.1 99.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

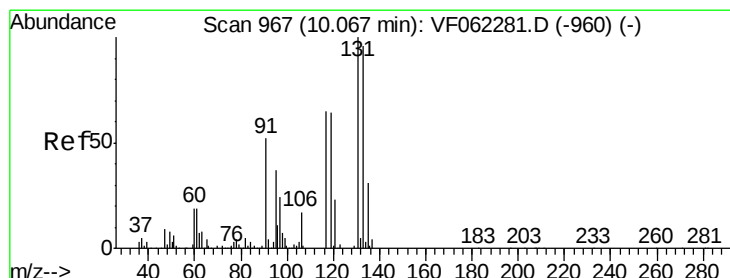
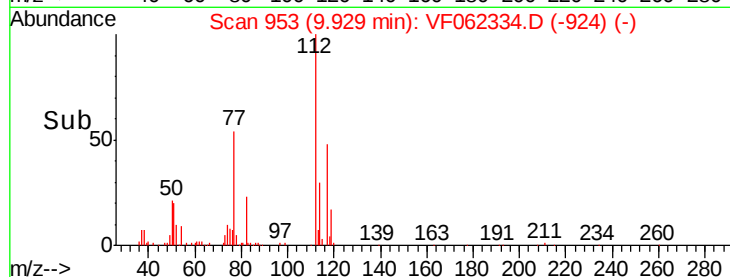
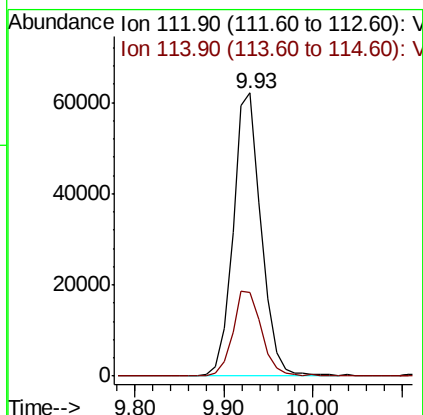
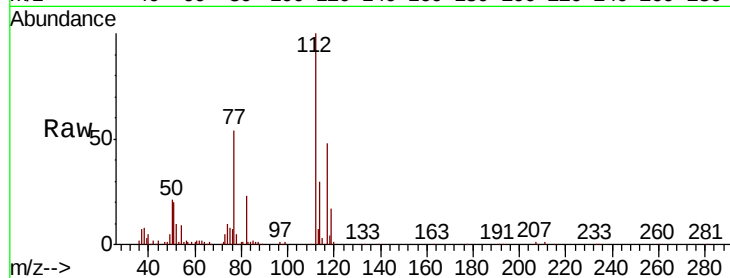




#65
Chlorobenzene
Concen: 21.973 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

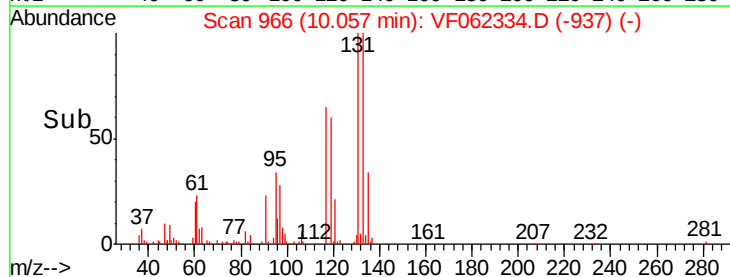
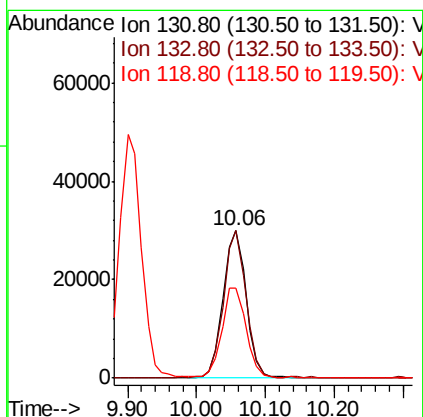
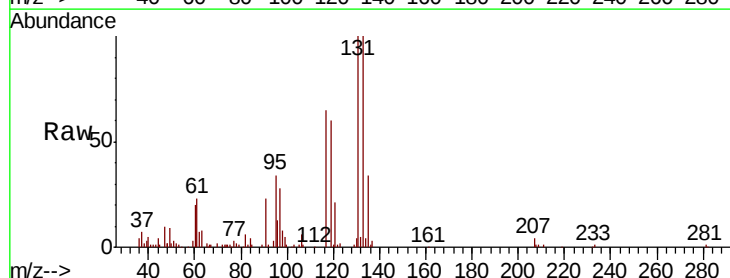
Instrument :
MSVOA_F
ClientSampleId :

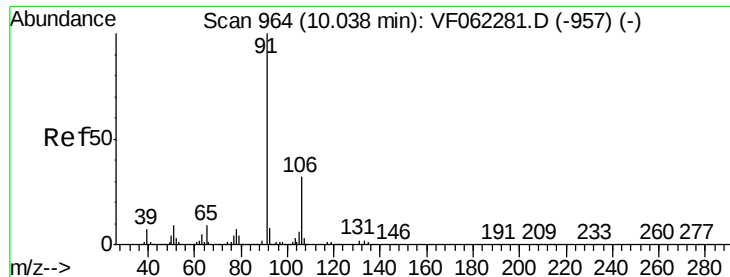
Tot Ion:112 Resp: 135891
Ion Ratio Lower Upper
112 100
114 29.8 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.915 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion:131 Resp: 69664
Ion Ratio Lower Upper
131 100
133 98.2 48.5 145.5
119 64.5 32.9 98.7





#67

Ethyl Benzene

Concen: 21.663 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

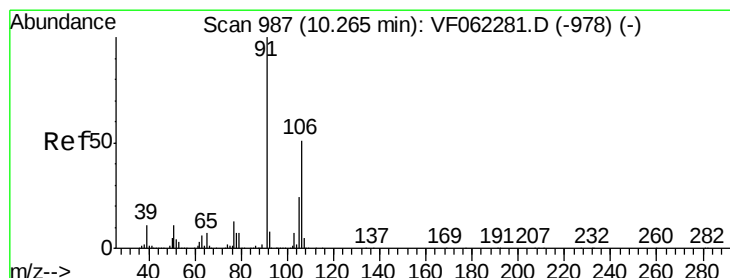
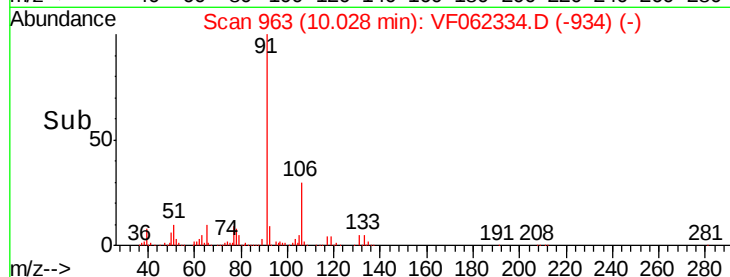
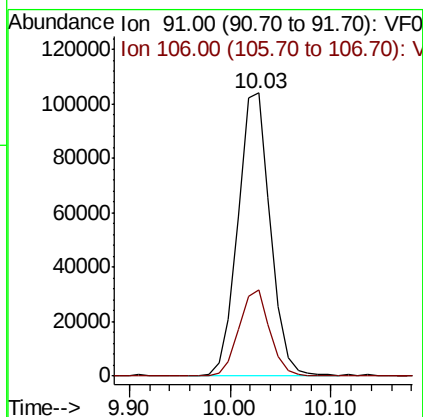
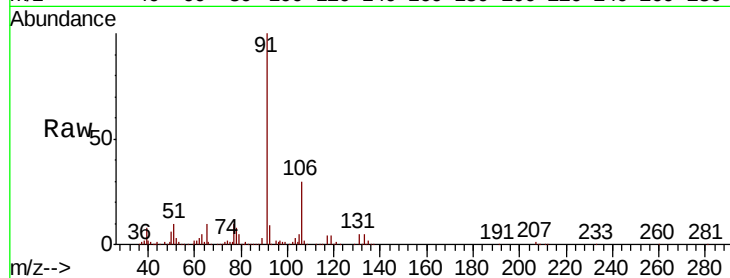
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 232914

Ion Ratio Lower Upper

91 100

106 30.4 25.6 38.4



#68

m/p-Xylenes

Concen: 43.542 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF062334.D

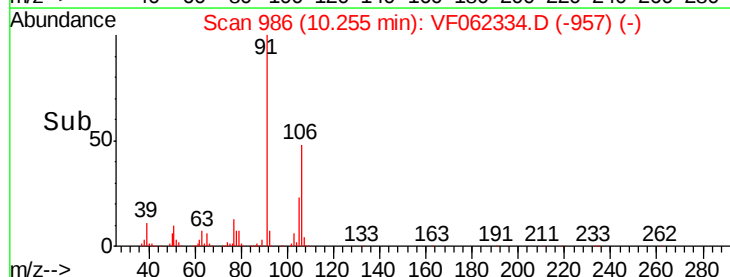
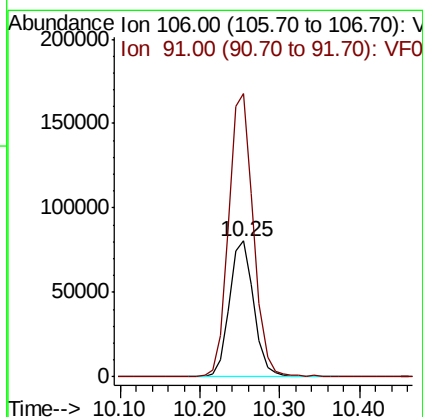
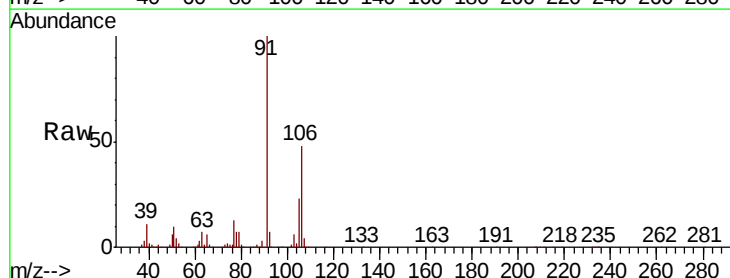
Acq: 30 Apr 2019 15:31

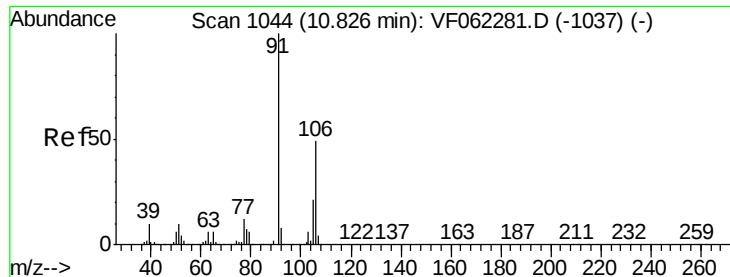
Tgt Ion:106 Resp: 174292

Ion Ratio Lower Upper

106 100

91 210.2 158.3 237.5

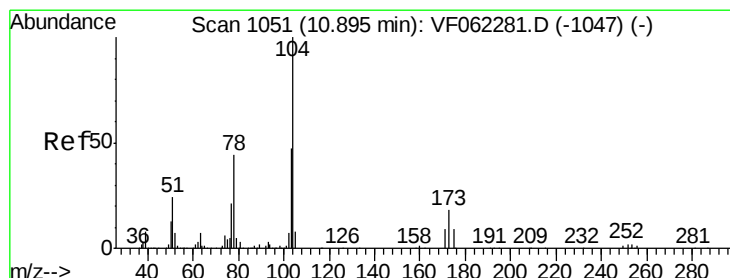
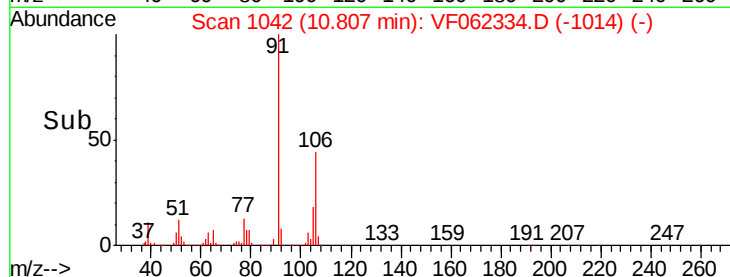
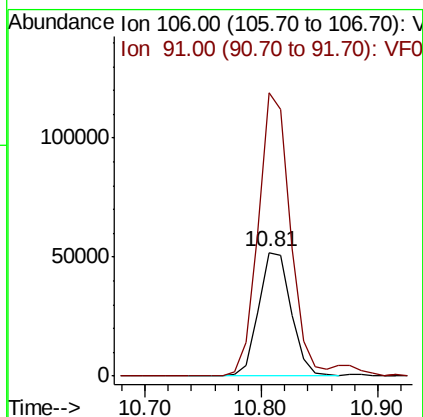
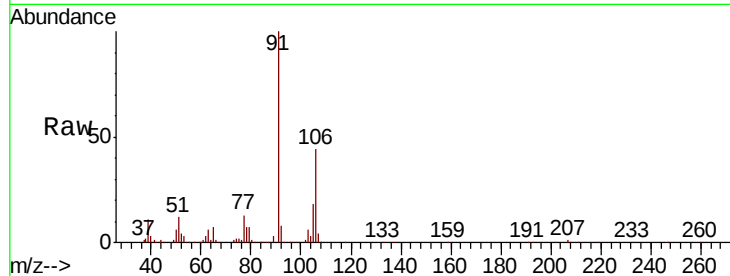




#69
o-Xylene
Concen: 22.466 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

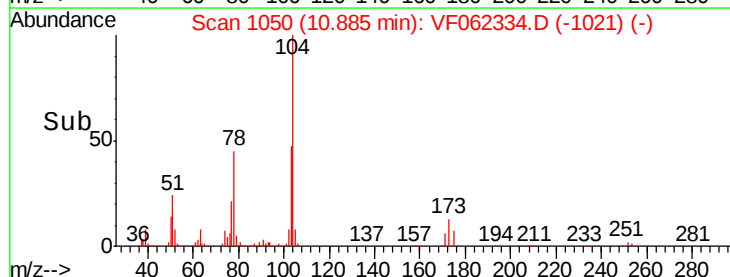
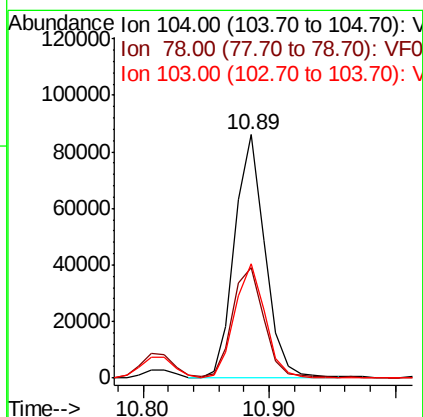
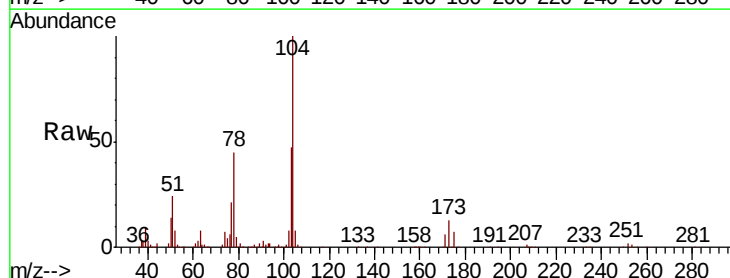
Instrument :
MSVOA_F
ClientSampled :

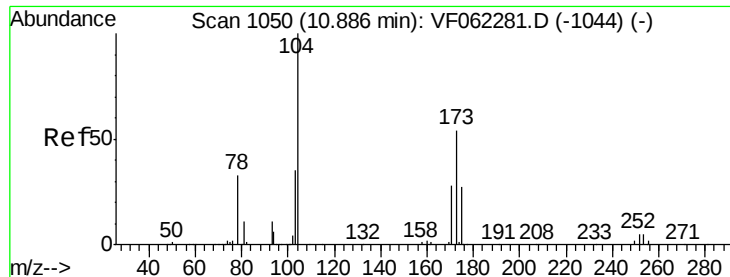
Tot Ion:106 Resp: 100470
Ion Ratio Lower Upper
106 100
91 223.5 110.0 330.0



#70
Styrene
Concen: 22.042 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062334.D
Acq: 30 Apr 2019 15:31

Tgt Ion:104 Resp: 142499
Ion Ratio Lower Upper
104 100
78 47.9 35.9 53.9
103 47.0 37.5 56.3





#71

Bromoform

Concen: 21.987 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

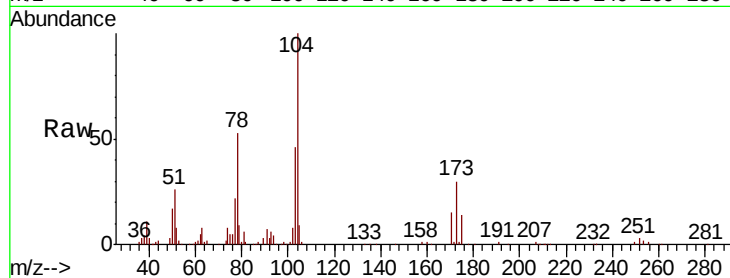
Tot Ion:173 Resp: 36052

Ion Ratio Lower Upper

173 100

175 50.5 25.3 75.9

254 0.0 0.1 0.1#

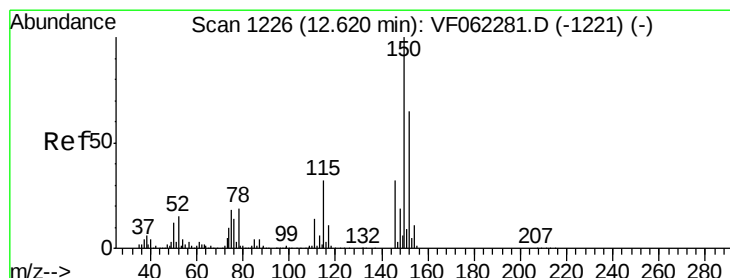
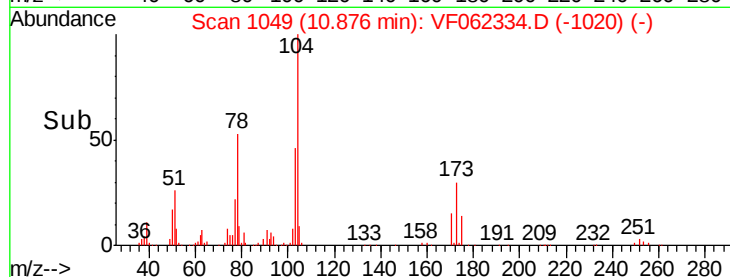
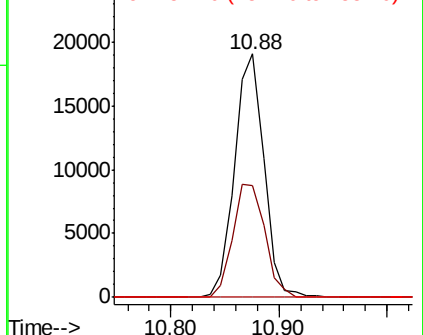


Abundance

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: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

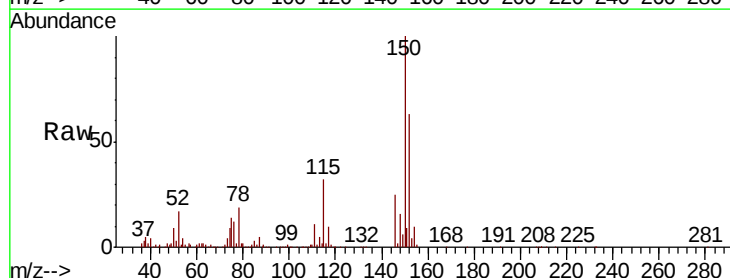
Tgt Ion:152 Resp: 209346

Ion Ratio Lower Upper

152 100

115 52.9 25.6 76.8

150 158.5 0.0 330.6

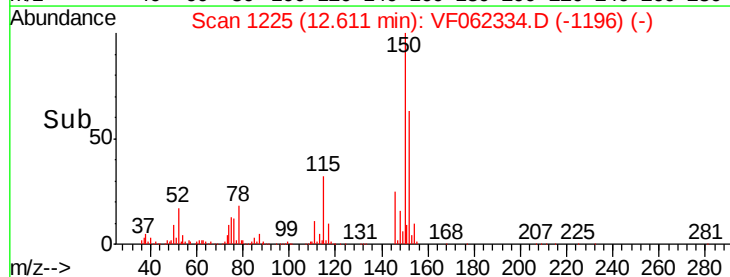
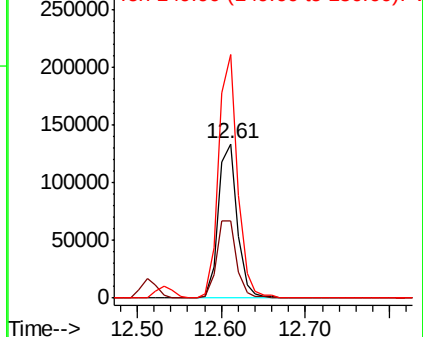


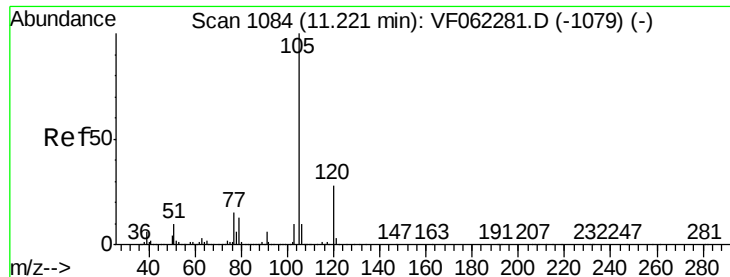
Abundance

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: 21.482 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

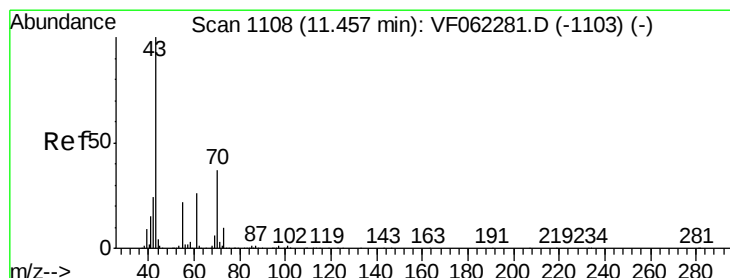
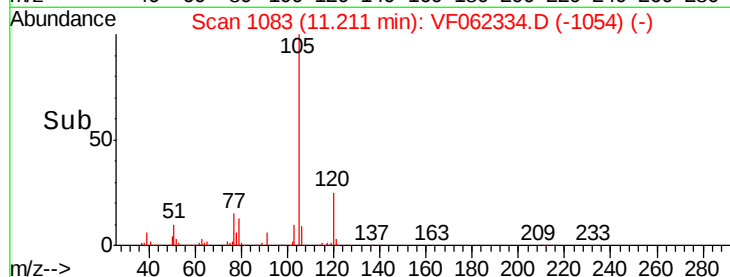
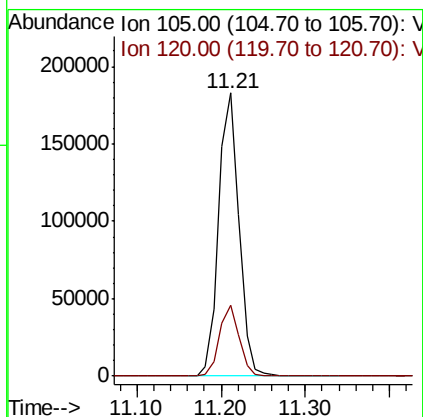
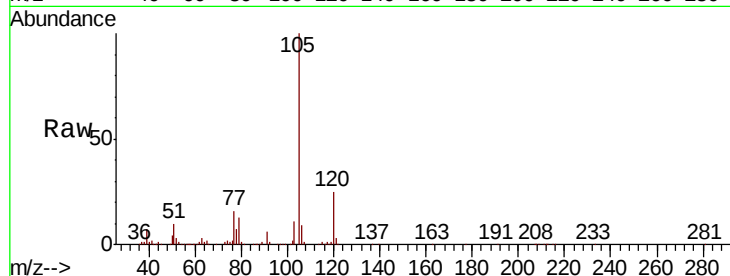
ClientSampleId :

Tot Ion:105 Resp: 308115

Ion Ratio Lower Upper

105 100

120 24.4 12.4 37.2



#74

N-ethyl acetate

Concen: 20.049 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Tgt Ion: 43 Resp: 66259

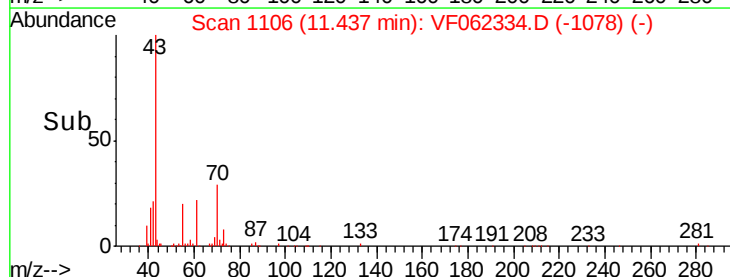
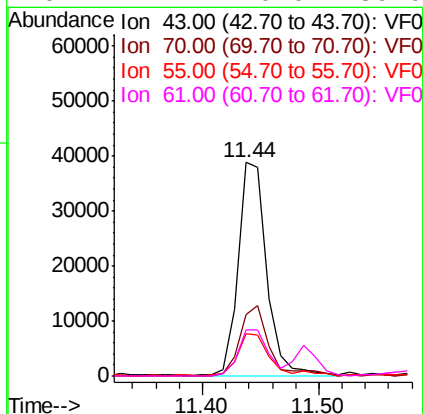
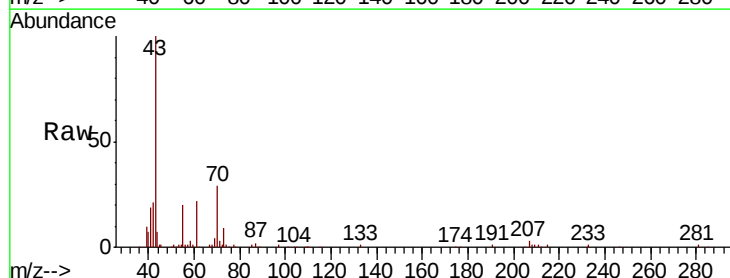
Ion Ratio Lower Upper

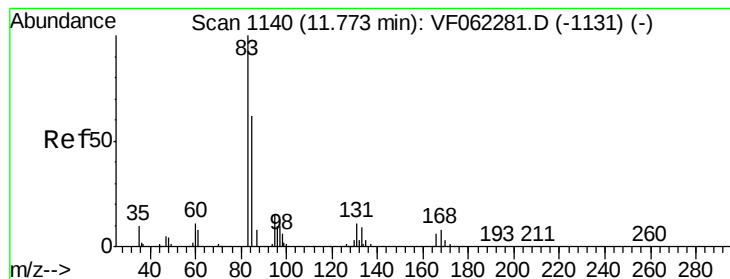
43 100

70 34.0 27.8 41.8

55 22.8 16.6 24.8

61 22.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.937 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

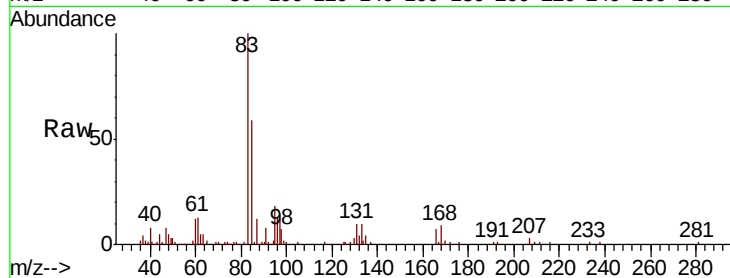
Tot Ion: 83 Resp: 45432

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.5

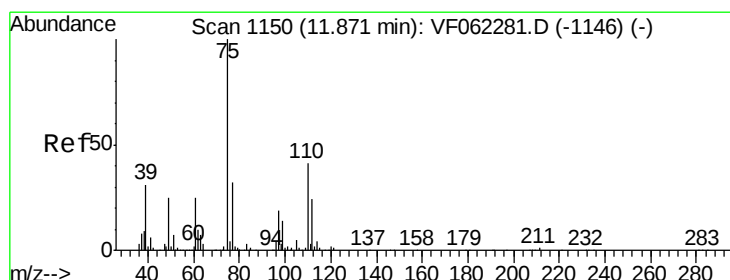
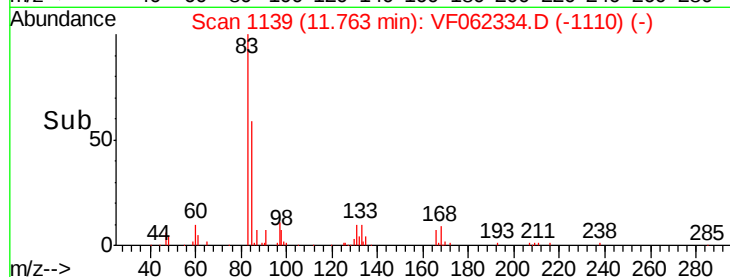
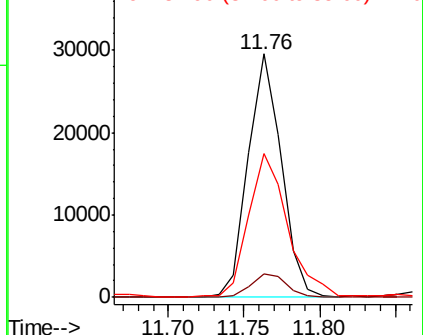
85 70.4 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 21.676 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062334.D

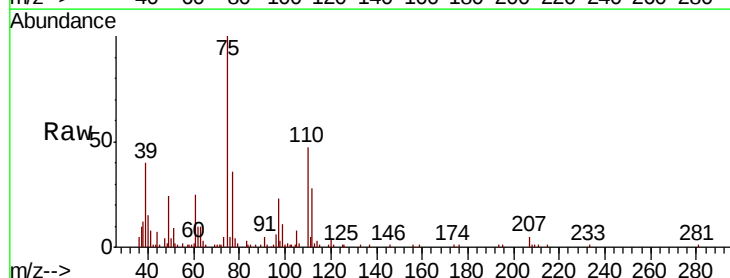
Acq: 30 Apr 2019 15:31

Tgt Ion: 75 Resp: 35045

Ion Ratio Lower Upper

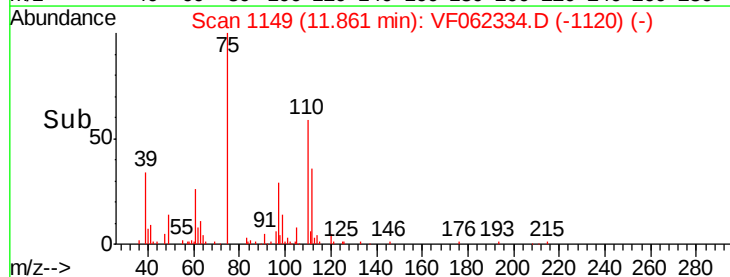
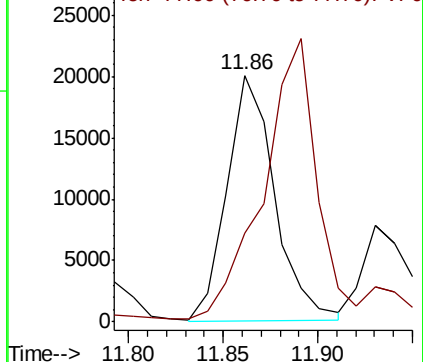
75 100

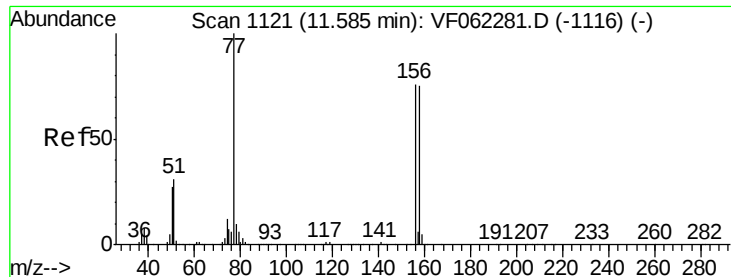
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.256 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

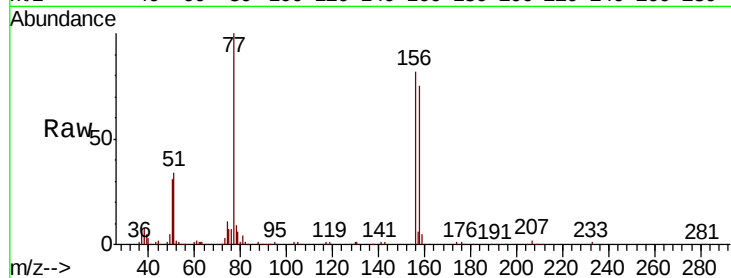
Tot Ion:156 Resp: 76219

Ion Ratio Lower Upper

156 100

77 134.5 67.3 201.9

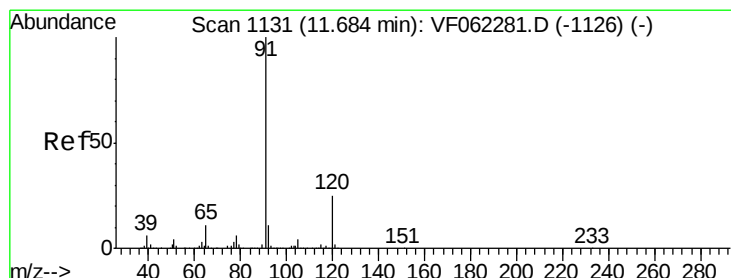
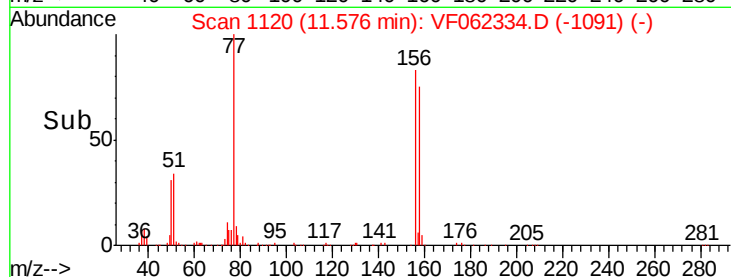
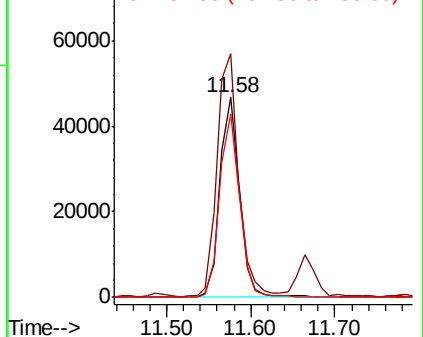
158 93.6 49.5 148.5



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: 21.319 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062334.D

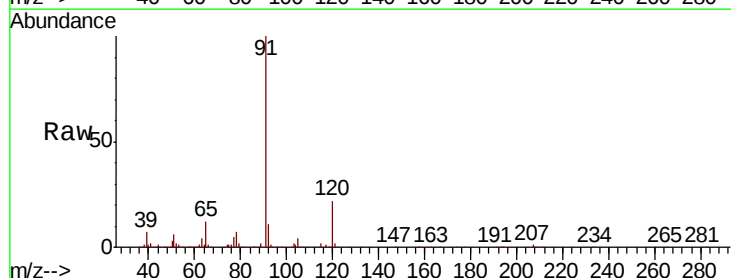
Acq: 30 Apr 2019 15:31

Tgt Ion: 91 Resp: 321759

Ion Ratio Lower Upper

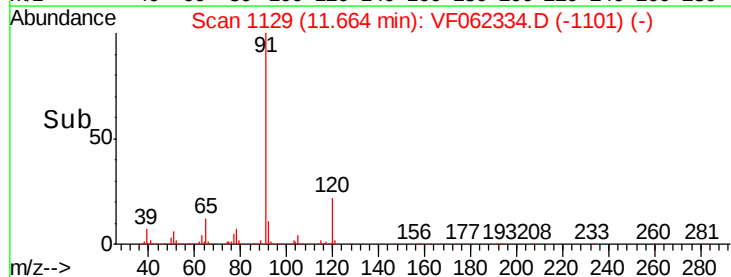
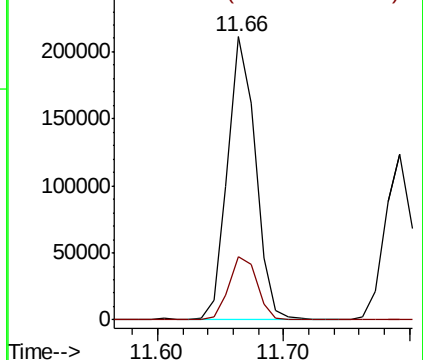
91 100

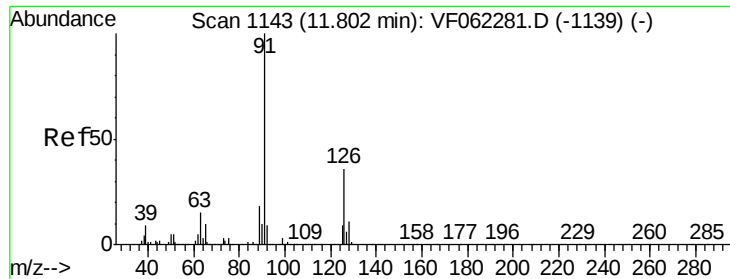
120 22.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

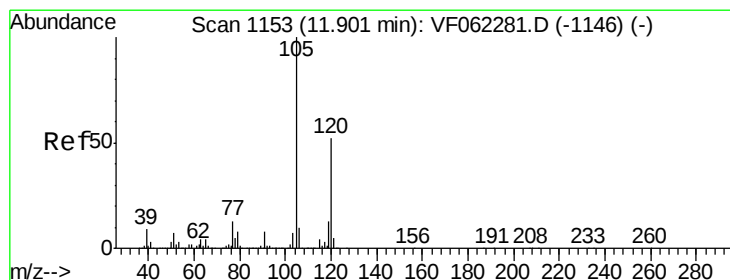
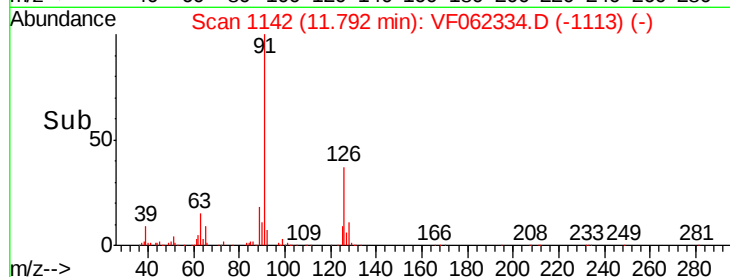
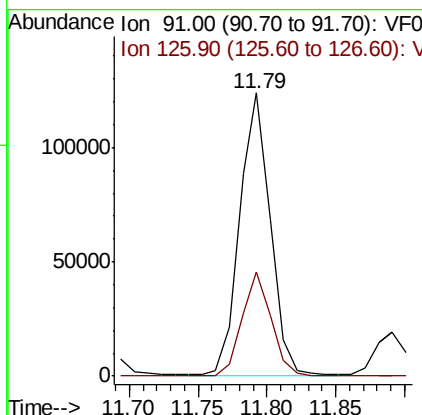
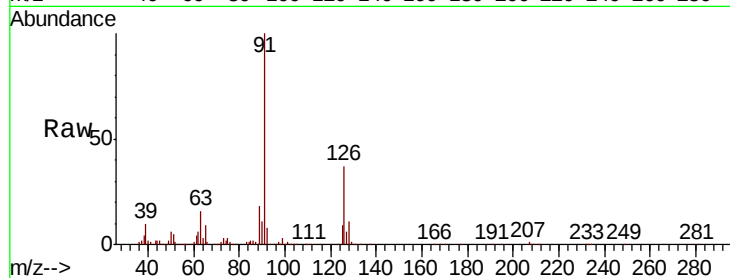




#79
 2-Chlorotoluene
 Concen: 21.002 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

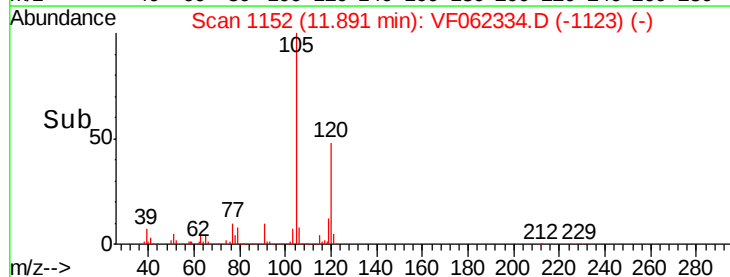
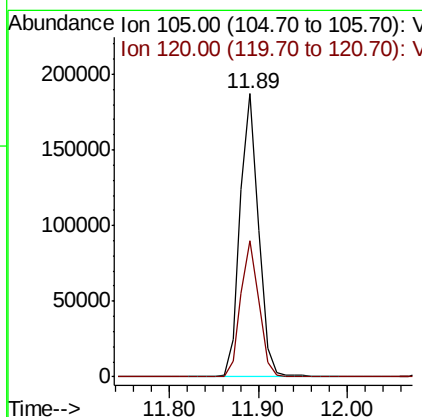
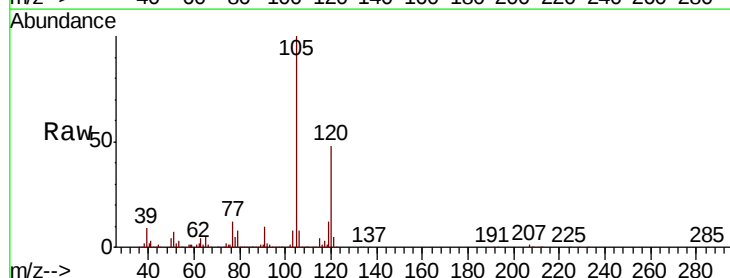
Instrument :
 MSVOA_F
 ClientSampleId :

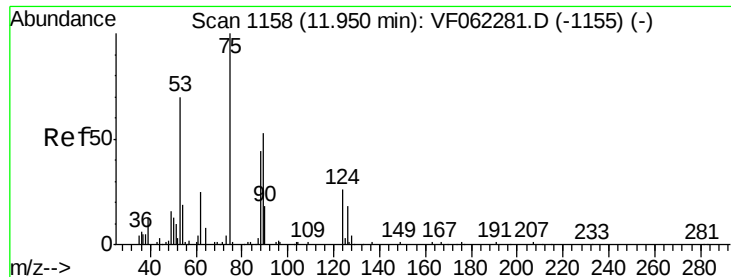
Tot Ion: 91 Resp: 190922
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.532 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion:105 Resp: 272829
 Ion Ratio Lower Upper
 105 100
 120 47.6 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 24.925 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampled :

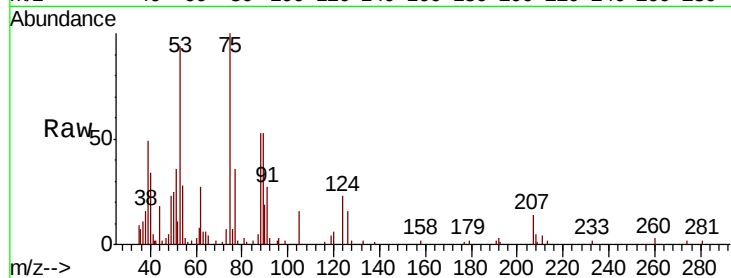
Tot Ion: 75 Resp: 18013

Ion Ratio Lower Upper

75 100

53 65.1 67.1 100.7#

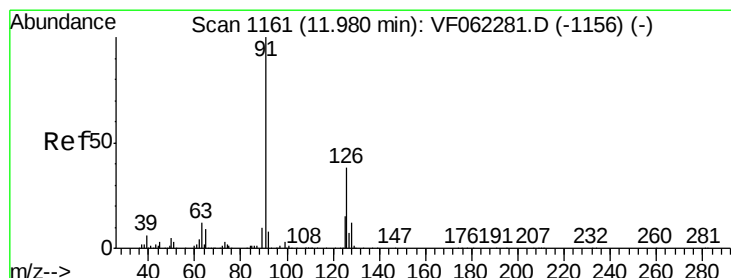
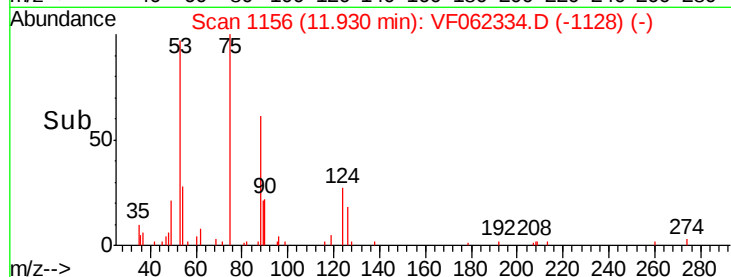
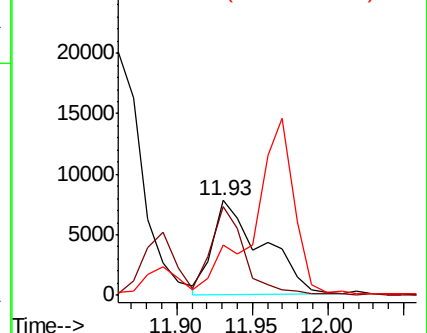
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 20.815 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062334.D

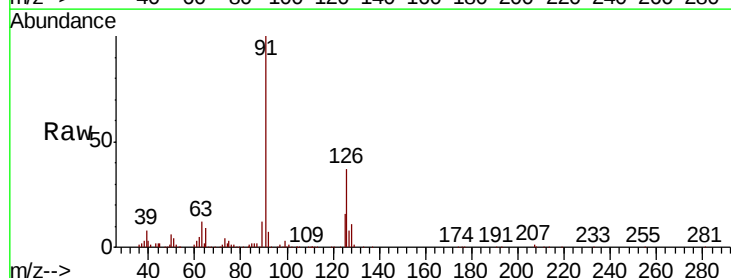
Acq: 30 Apr 2019 15:31

Tgt Ion: 91 Resp: 187239

Ion Ratio Lower Upper

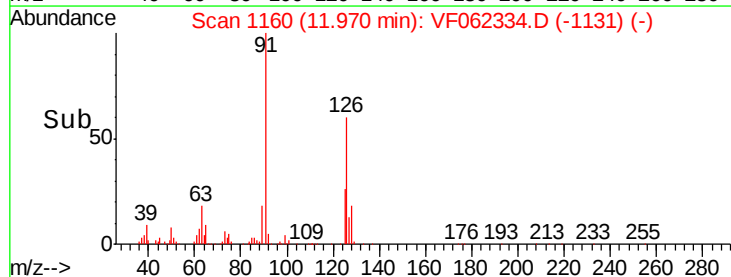
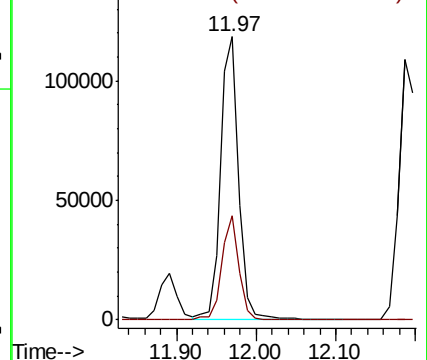
91 100

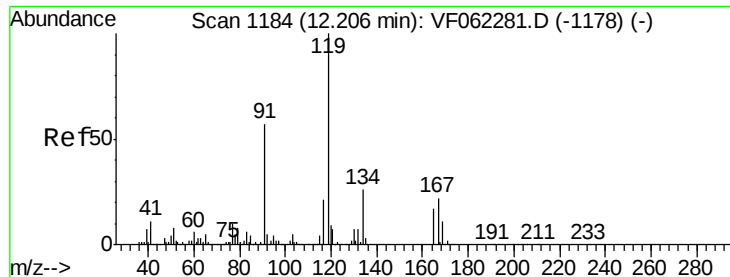
126 35.8 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

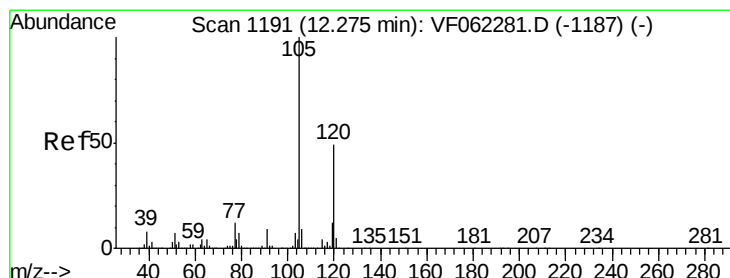
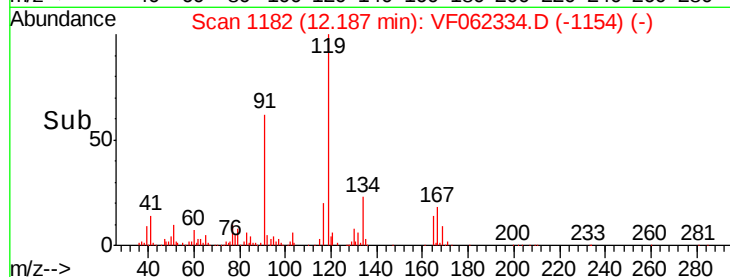
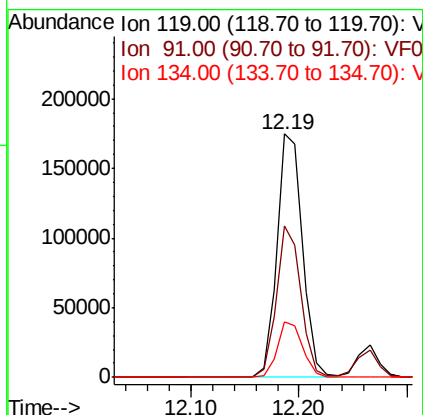
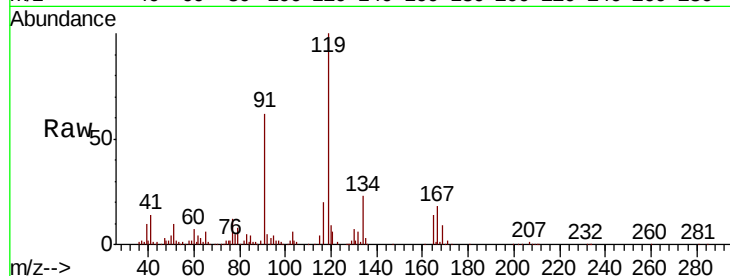




#83
 tert-Butylbenzene
 Concen: 23.225 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

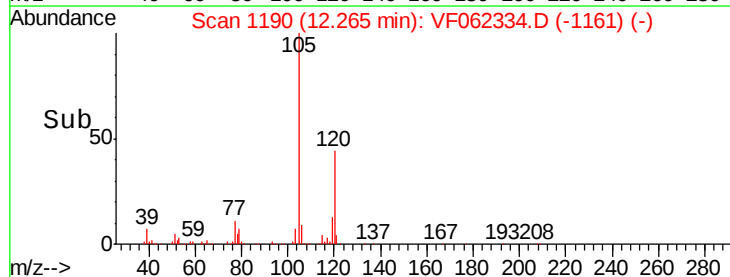
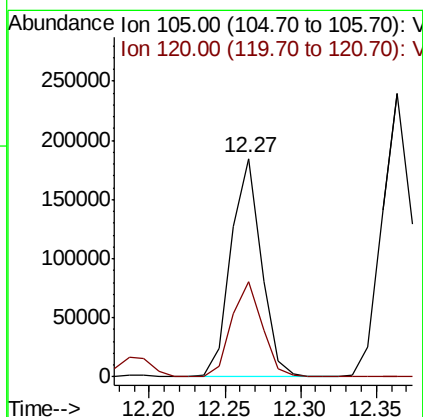
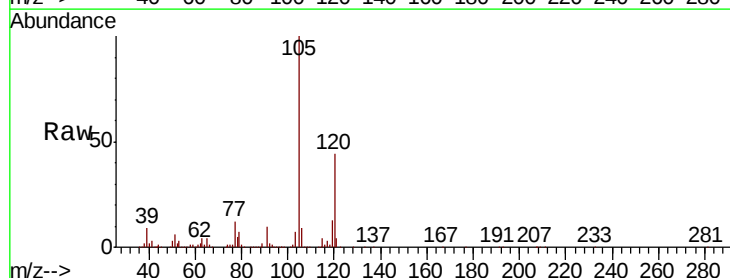
Instrument :
 MSVOA_F
 ClientSampleId :

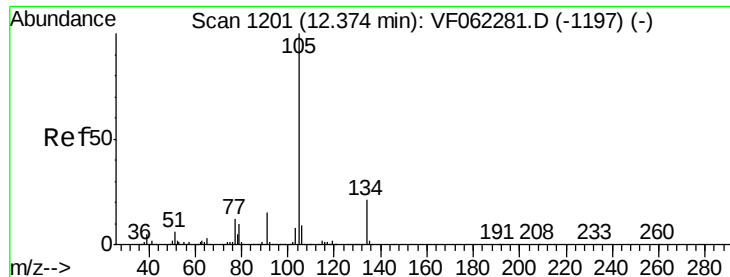
Tot Ion:119 Resp: 288609
 Ion Ratio Lower Upper
 119 100
 91 59.4 29.4 88.2
 134 22.8 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.948 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion:105 Resp: 257392
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.1 72.2

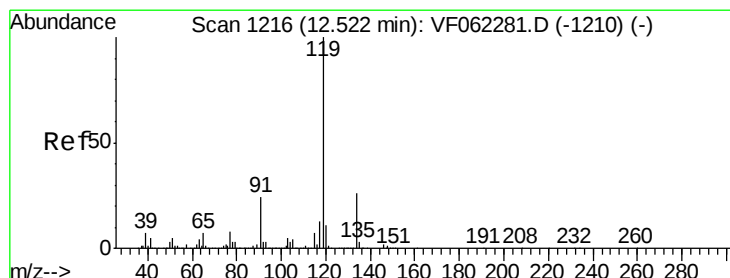
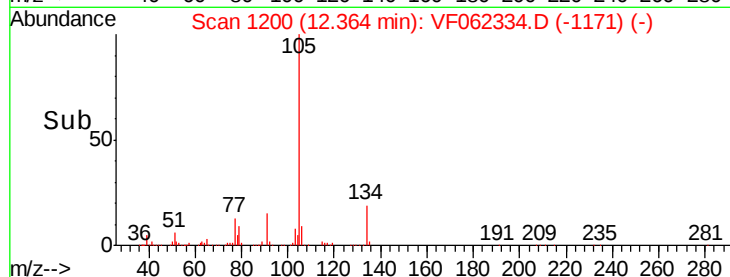
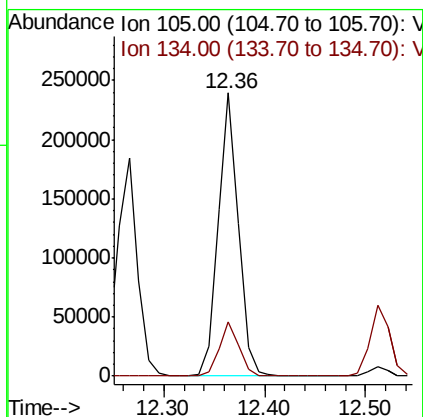
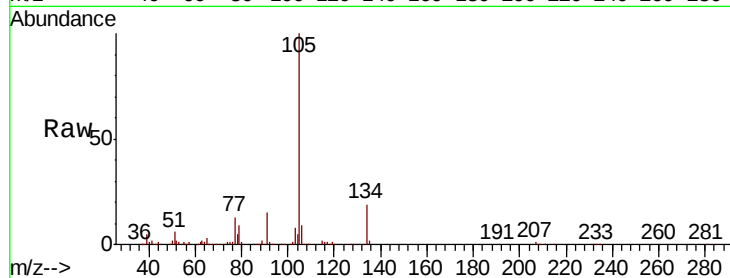




#85
 sec-Butylbenzene
 Concen: 21.684 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

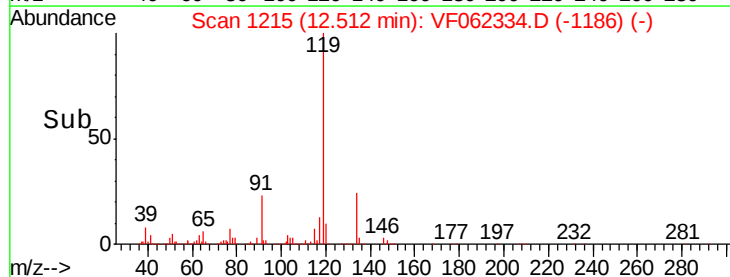
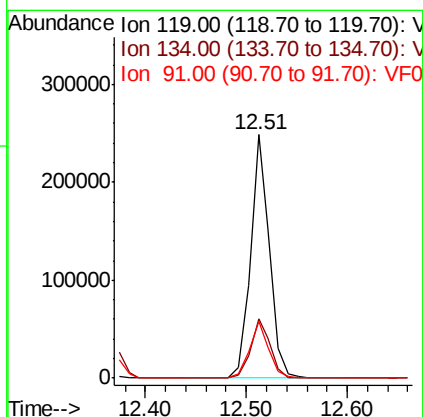
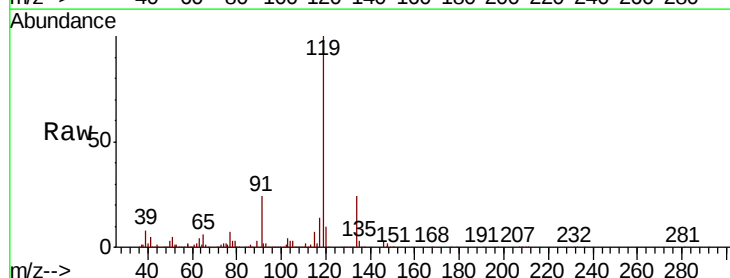
Instrument :
 MSVOA_F
 ClientSampleId :

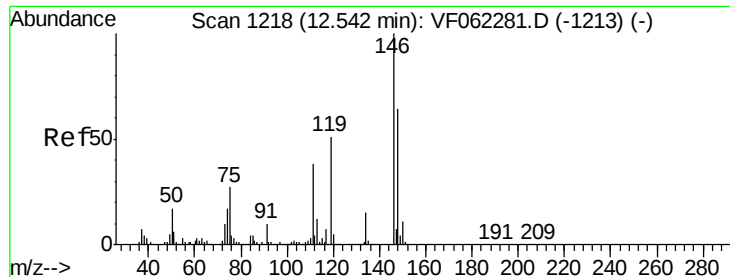
Tot Ion:105 Resp: 335620
 Ion Ratio Lower Upper
 105 100
 134 18.9 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 23.231 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion:119 Resp: 322359
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.5
 91 23.6 11.6 34.7

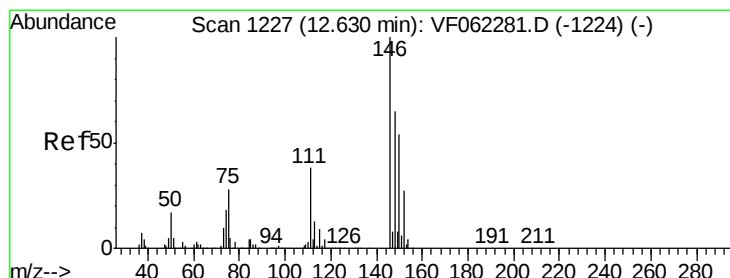
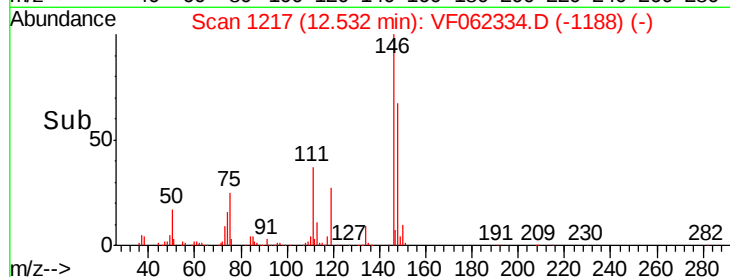
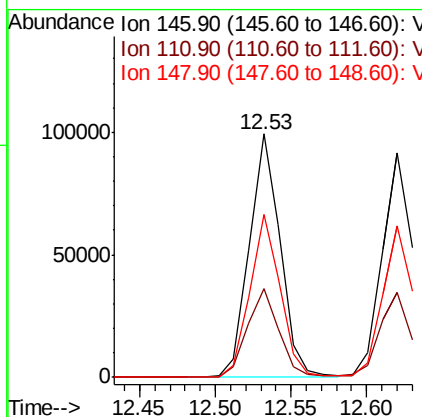
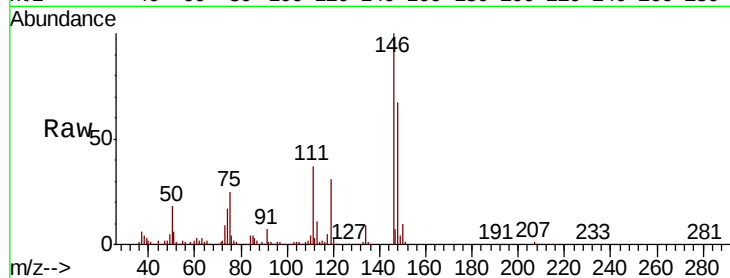




#87
 1,3-Dichlorobenzene
 Concen: 22.385 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

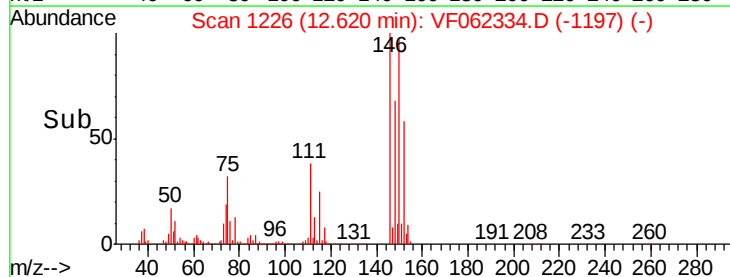
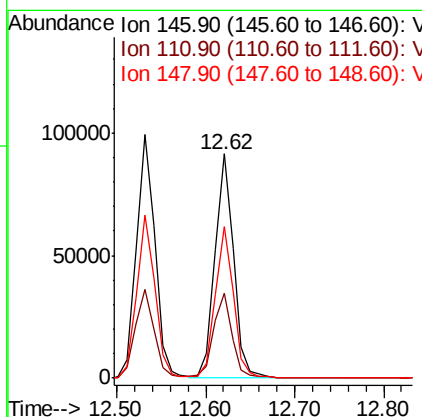
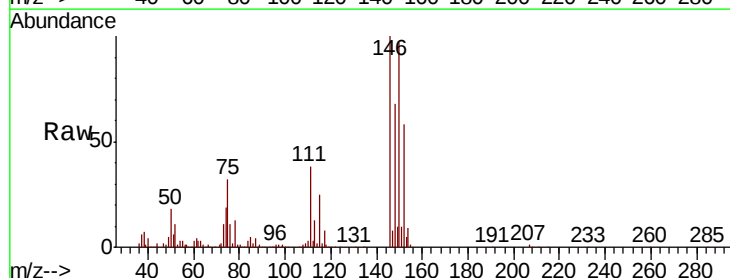
Instrument :
 MSVOA_F
 ClientSampleId :

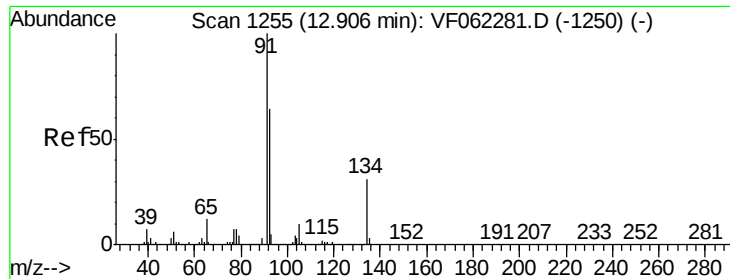
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	65.6	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.389 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	56.0
148	65.2	32.5	97.5





#89

n-Butylbenzene

Concen: 22.367 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

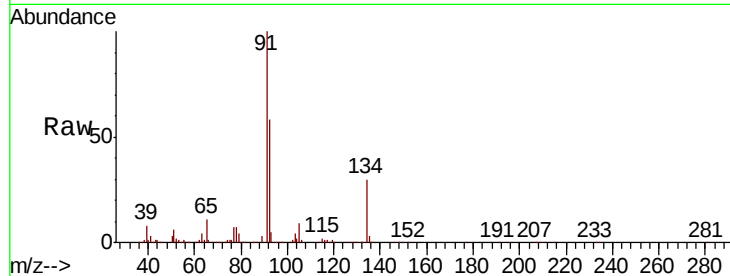
Tot Ion: 91 Resp: 282018

Ion Ratio Lower Upper

91 100

92 57.7 31.1 93.3

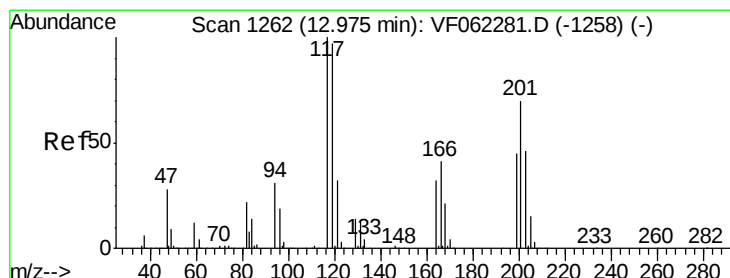
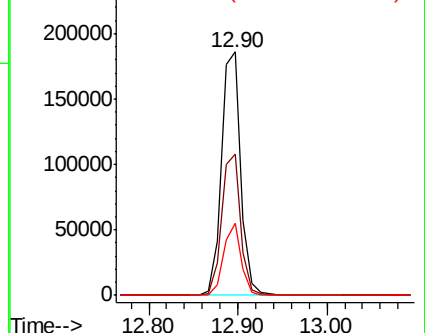
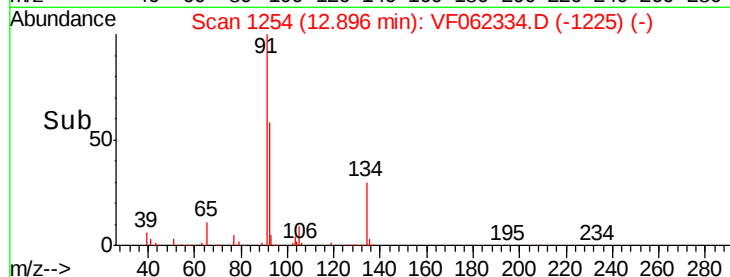
134 27.2 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.181 ug/l

RT: 12.97 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062334.D

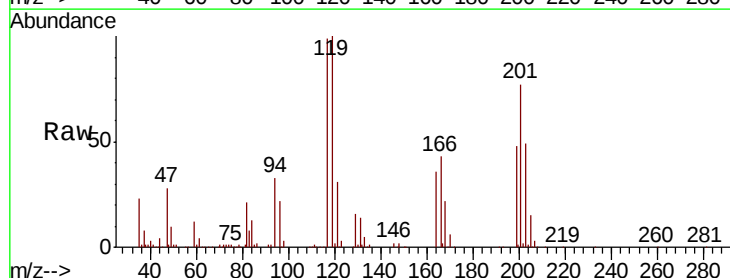
Acq: 30 Apr 2019 15:31

Tgt Ion: 117 Resp: 77154

Ion Ratio Lower Upper

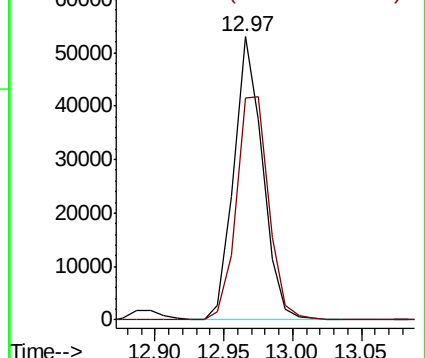
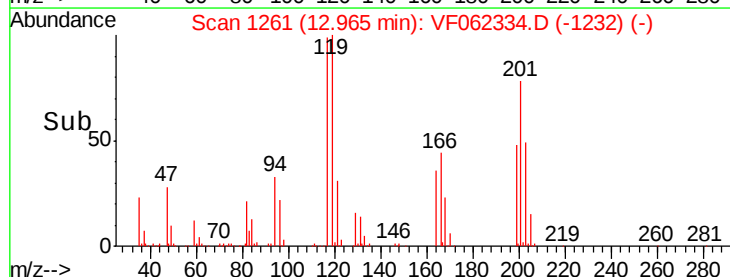
117 100

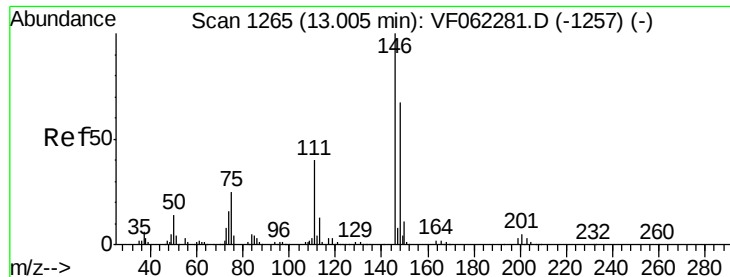
201 89.0 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

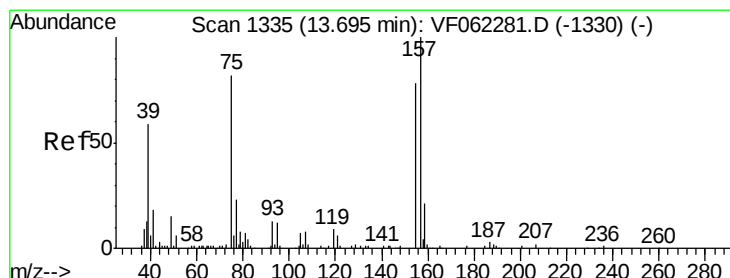
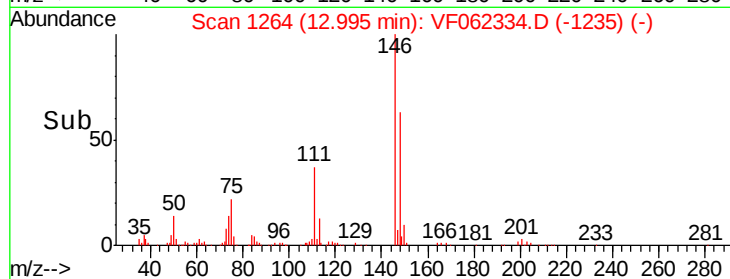
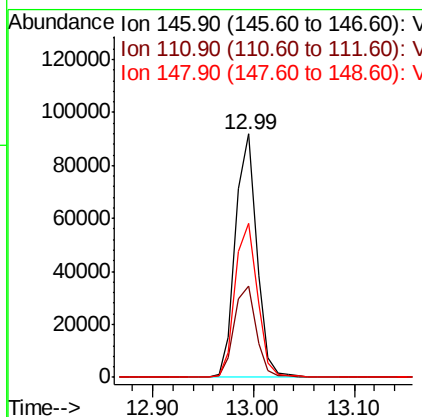
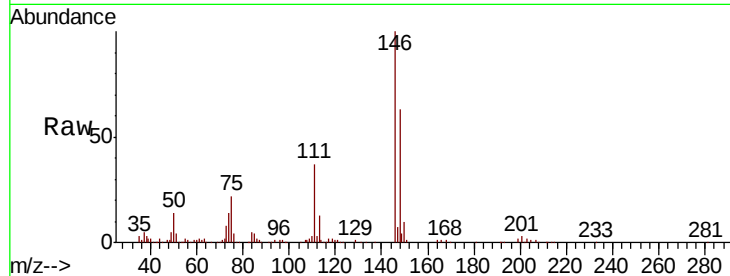




#91
 1,2-Dichlorobenzene
 Concen: 22.261 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

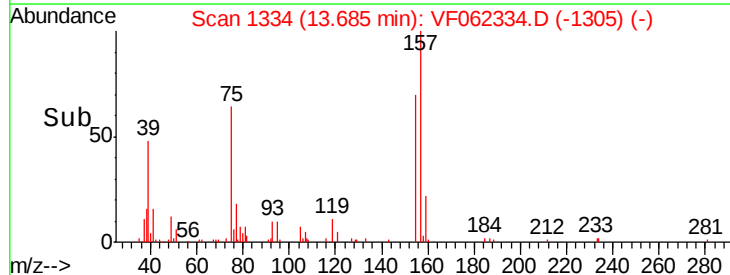
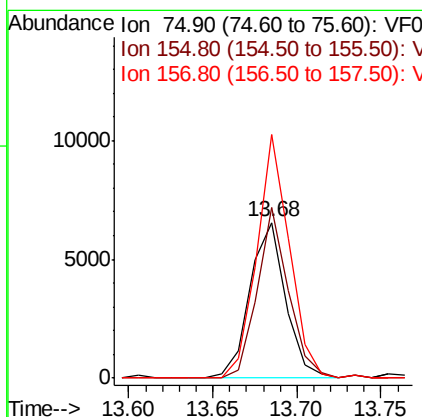
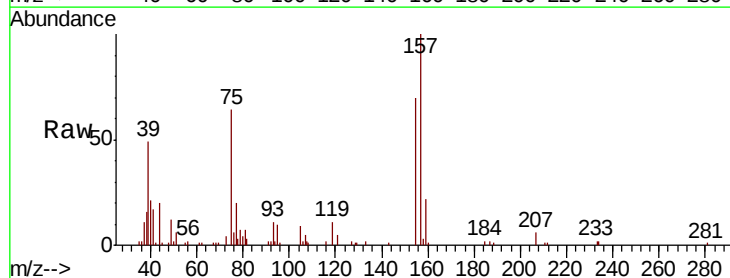
Instrument :
 MSVOA_F
 ClientSampleId :

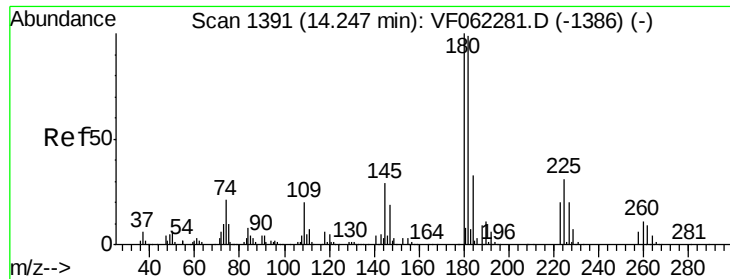
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	66.4	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.987 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	51.7	155.2
157	142.7	64.5	193.5

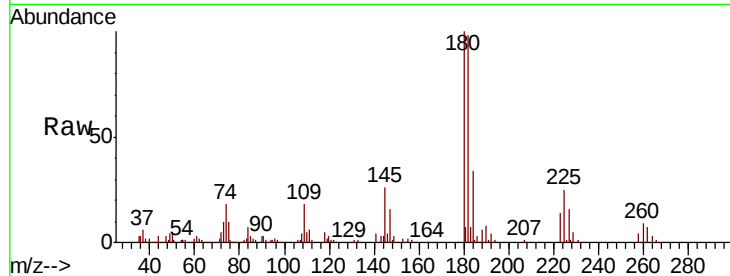




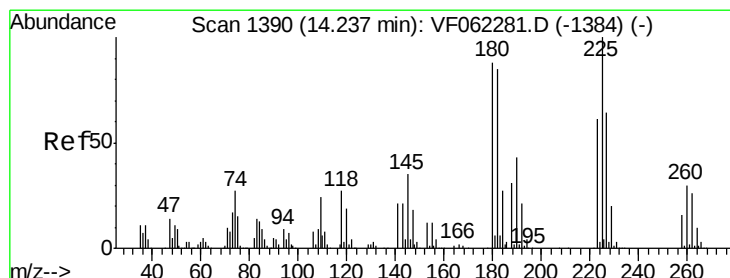
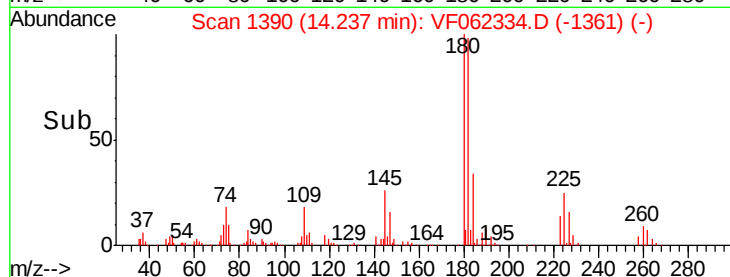
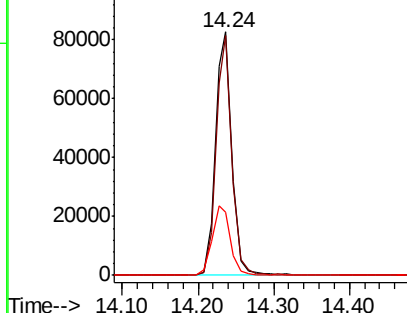
#93
 1,2,4-Trichlorobenzene
 Concen: 23.720 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 126894
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.5 145.6
 145 31.8 16.7 50.1

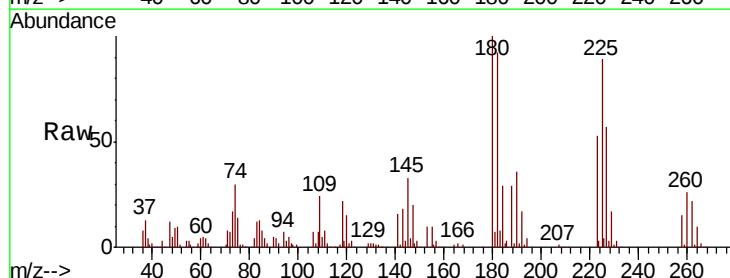


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

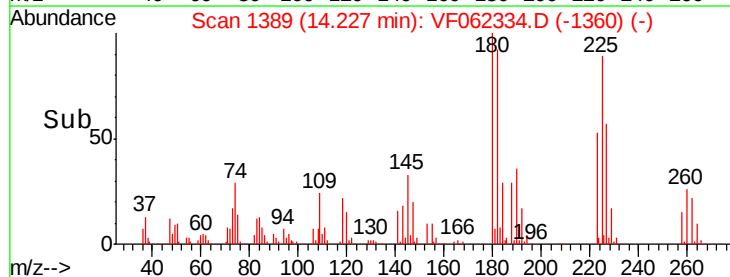
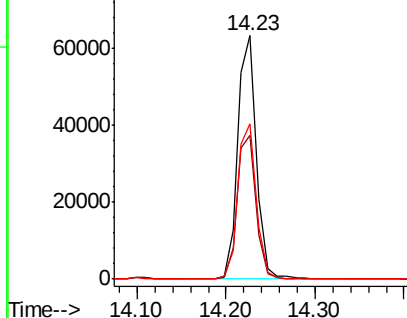


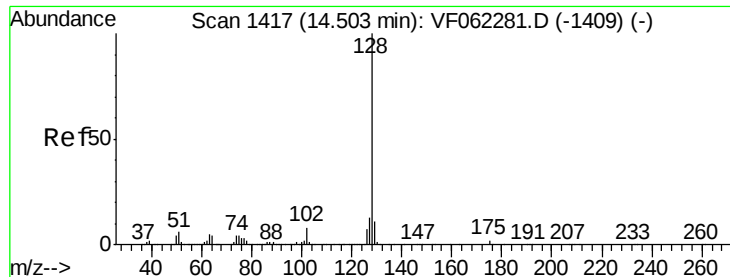
#94
 Hexachlorobutadiene
 Concen: 23.958 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062334.D
 Acq: 30 Apr 2019 15:31

Tgt Ion:225 Resp: 92172
 Ion Ratio Lower Upper
 225 100
 223 60.5 30.8 92.3
 227 63.7 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.638 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

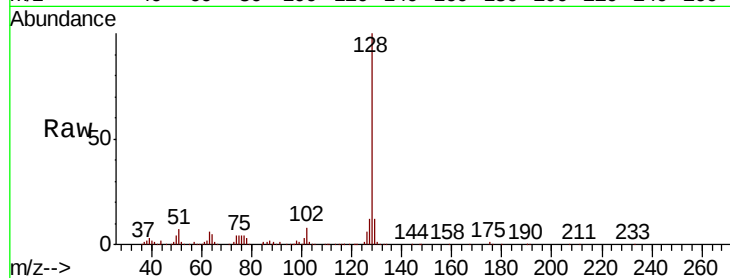
Tot Ion:128 Resp: 187619

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

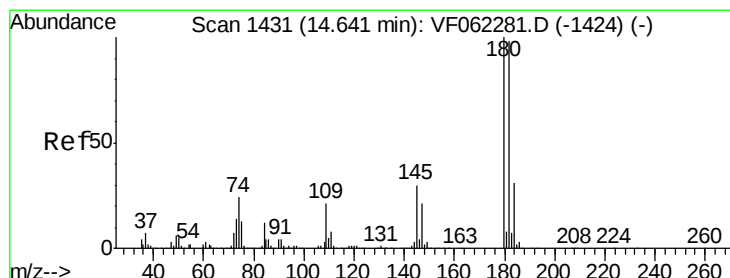
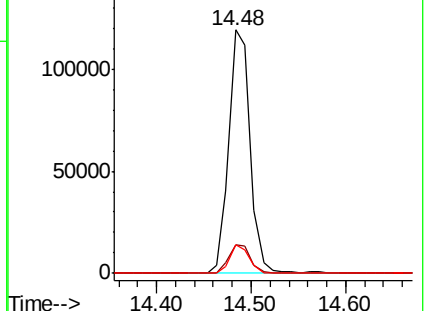
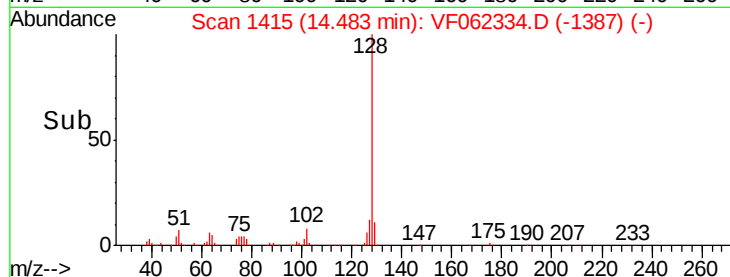
129 11.0 8.9 13.3



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: 24.118 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062334.D

Acq: 30 Apr 2019 15:31

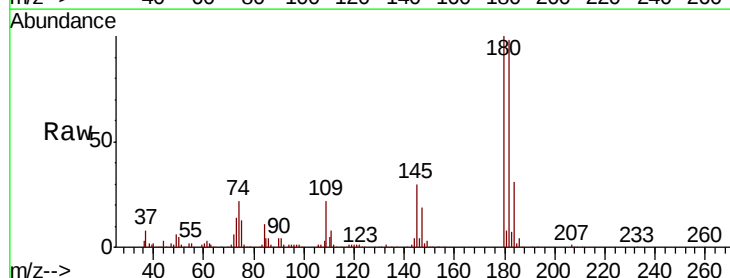
Tgt Ion:180 Resp: 122022

Ion Ratio Lower Upper

180 100

182 96.9 49.0 147.2

145 29.3 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

