

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062927.D
 Acq On : 12 Jun 2019 15:03
 Operator : FY/SY
 Sample : K3283-01
 Misc : 6.55g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034

Quant Time: Jun 13 08:30:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	2237	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1095	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.86	117	66	50.00	ug/l	-0.08
72) 1,4-Dichlorobenzene-d4	12.65	152	115	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	1347	87.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	174.16%	
35) Dibromofluoromethane	4.28	113	528	63.81	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	127.62%	
50) Toluene-d8	7.59	98	143	6.83	ug/l	-0.14
Spiked Amount	50.000		Recovery	=	13.66%	
62) 4-Bromofluorobenzene	11.46	95	179	23.78	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	47.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.90	85	414	13.185	ug/l	98
3) Chloromethane	1.28	50	310	13.393	ug/l	93
4) Vinyl Chloride	1.21	62	164	7.130	ug/l #	1
5) Bromomethane	1.48	94	393	29.960	ug/l	92
6) Chloroethane	1.35	64	376	43.721	ug/l	90
7) Trichlorofluoromethane	1.60	101	202	6.203	ug/l #	11
8) Diethyl Ether	1.70	74	156	24.351	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.91	101	78	3.810	ug/l #	1
10) Methyl Iodide	2.01	142	156	3.800	ug/l #	36
11) Tert butyl alcohol	2.71	59	160	170.740	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	1321	71.061	ug/l #	1
13) Acrolein	2.06	56	447	1225.971	ug/l	93
14) Allyl chloride	2.22	41	621	43.060	ug/l #	49
15) Acrylonitrile	3.13	53	633	179.767	ug/l #	48
16) Acetone	2.39	43	1360	384.126	ug/l #	85
17) Carbon Disulfide	1.94	76	212	3.902	ug/l #	1
18) Methyl Acetate	2.46	43	1131	182.803	ug/l #	84
19) Methyl tert-butyl Ether	2.57	73	619	18.379	ug/l #	1
20) Methylene Chloride	2.41	84	151	5.882	ug/l #	63
21) trans-1,2-Dichloroethene	2.42	96	752	40.346	ug/l #	26
22) Diisopropyl ether	2.93	45	754	18.402	ug/l #	79
23) Vinyl Acetate	3.39	43	1027	36.612	ug/l #	83
24) 1,1-Dichloroethane	3.03	63	104	3.400	ug/l #	1
25) 2-Butanone	4.54	43	347	42.086	ug/l #	48
26) 2,2-Dichloropropane	3.78	77	807	46.458	ug/l #	50
27) cis-1,2-Dichloroethene	3.67	96	293	9.352	ug/l	35
28) Bromochloromethane	3.93	49	296	17.788	ug/l #	1
29) Tetrahydrofuran	4.48	42	565	179.166	ug/l	94
30) Chloroform	4.08	83	270	6.262	ug/l #	74
31) Cyclohexane	3.85	56	273	6.591	ug/l #	1
32) 1,1,1-Trichloroethane	4.31	97	64	2.549	ug/l #	1
36) 1,1-Dichloropropene	4.60	75	672	66.663	ug/l	95
37) Ethyl Acetate	4.30	43	583	151.295	ug/l #	56
38) Carbon Tetrachloride	4.18	117	210	30.824	ug/l #	26

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	69	5.500	ug/l #	18
40) Benzene	4.82	78	451	15.373	ug/l #	52
41) Methacrylonitrile	4.91	41	1039	485.017	ug/l #	42
42) 1,2-Dichloroethane	5.27	62	441	79.035	ug/l	69
43) Isopropyl Acetate	7.12	43	761	149.497	ug/l #	38
44) Trichloroethene	5.71	130	78	9.421	ug/l	3
45) 1,2-Dichloropropane	6.40	63	351	47.676	ug/l	95
46) Dibromomethane	6.25	93	269	62.582	ug/l #	2
47) Bromodichloromethane	6.50	83	100	11.423	ug/l #	32
48) Methyl methacrylate	6.84	41	1134	432.262	ug/l #	9
49) 1,4-Dioxane	6.87	88	172	4974.050	ug/l #	25
51) 4-Methyl-2-Pentanone	8.38	43	1305	359.085	ug/l	91
52) Toluene	7.73	92	66	4.177	ug/l	100
53) t-1,3-Dichloropropene	8.38	75	1258	173.423	ug/l #	83
54) cis-1,3-Dichloropropene	7.46	75	400	38.095	ug/l #	1
55) 1,1,2-Trichloroethane	8.58	97	150	31.775	ug/l #	61
56) Ethyl methacrylate	8.71	69	228	45.013	ug/l #	1
57) 1,3-Dichloropropane	9.04	76	389	50.460	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	655	370.007	ug/l	92
59) 2-Hexanone	9.61	43	1904	735.031	ug/l	78
60) Dibromochloromethane	8.71	129	93	15.912	ug/l	79
61) 1,2-Dibromoethane	9.04	107	338	68.941	ug/l	82
64) Tetrachloroethene	8.32	164	64	126.191	ug/l #	1
65) Chlorobenzene	9.94	112	125	98.073	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.10	131	75	147.753	ug/l #	57
67) Ethyl Benzene	10.04	91	153	69.952	ug/l #	42
68) m/p-Xylenes	10.23	106	273	326.179	ug/l #	1
69) o-Xylene	10.94	106	114	134.530	ug/l	56
70) Styrene	10.96	104	323	258.605	ug/l #	34
71) Bromoform	10.86	173	142	583.145	ug/l #	28
73) Isopropylbenzene	11.28	105	144	17.946	ug/l #	1
74) N-amyl acetate	11.48	43	833	368.328	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	11.76	83	125	72.946	ug/l #	37
76) 1,2,3-Trichloropropane	11.95	75	308	271.159	ug/l	83
77) Bromobenzene	11.64	156	159	78.863	ug/l #	32
78) n-propylbenzene	11.70	91	174	17.959	ug/l #	49
79) 2-Chlorotoluene	11.85	91	506	91.273	ug/l	72
80) 1,3,5-Trimethylbenzene	11.84	105	374	56.993	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	308	640.478	ug/l #	79
82) 4-Chlorotoluene	11.99	91	533	97.831	ug/l	81
83) tert-Butylbenzene	12.19	119	287	44.139	ug/l #	21
84) 1,2,4-Trimethylbenzene	12.40	105	379	60.915	ug/l	82
85) sec-Butylbenzene	12.40	105	379	44.235	ug/l #	32
86) p-Isopropyltoluene	12.55	119	198	27.764	ug/l #	32
87) 1,3-Dichlorobenzene	12.53	146	394	110.808	ug/l #	23
88) 1,4-Dichlorobenzene	12.65	146	272	81.968	ug/l #	23
89) n-Butylbenzene	12.87	91	393	54.782	ug/l #	24
90) Hexachloroethane	12.83	117	134	77.039	ug/l	88
91) 1,2-Dichlorobenzene	12.98	146	196	62.714	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	190	1017.728	ug/l #	34

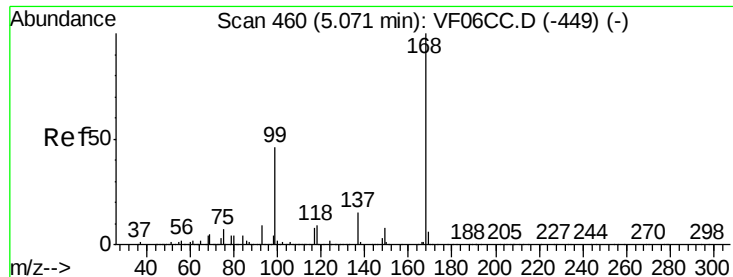
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.14	180	377	175.687	ug/l #	10
94) Hexachlorobutadiene	14.26	225	77	51.869	ug/l #	19
95) Naphthalene	14.51	128	111	31.574	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.62	180	306	156.218	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

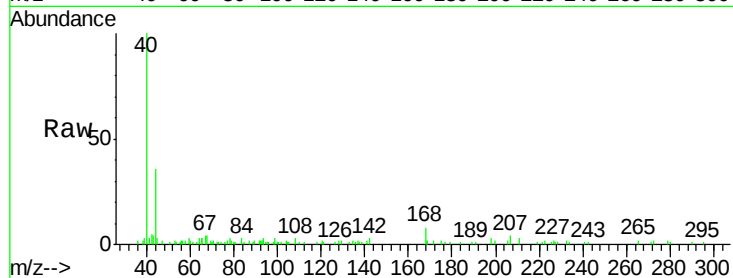
200030-200034

Tot Ion:168 Resp: 2237

Ion Ratio Lower Upper

168 100

99 43.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

1000

800

600

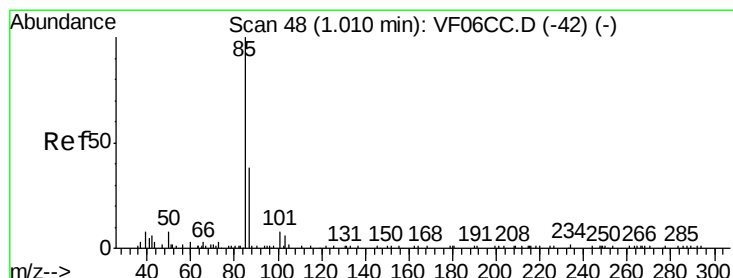
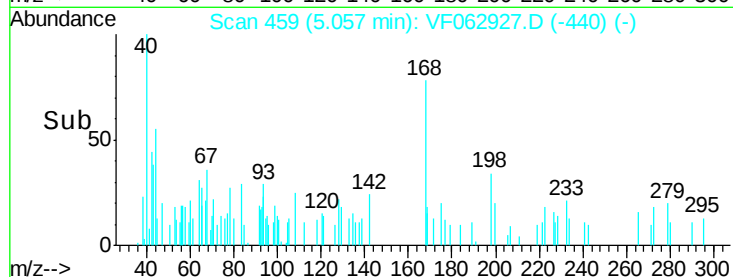
400

200

0

5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 13.185 ug/l

RT: 0.90 min Scan# 37

Delta R.T. -0.11 min

Lab File: VF062927.D

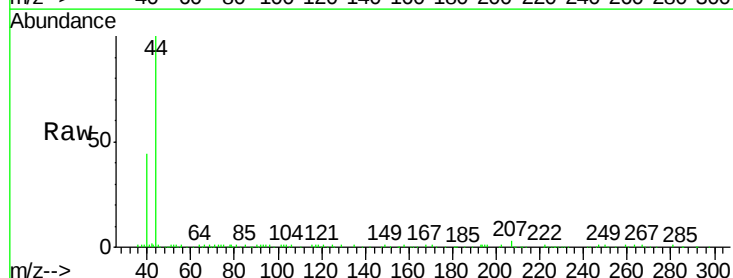
Acq: 12 Jun 2019 15:03

Tgt Ion: 85 Resp: 414

Ion Ratio Lower Upper

85 100

87 34.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.90

300

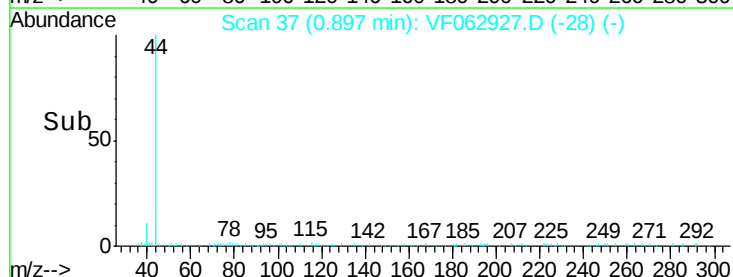
200

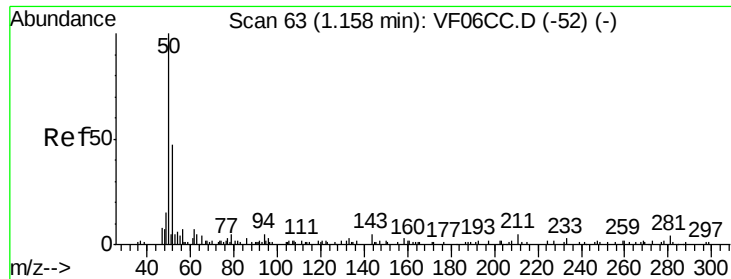
100

0

0.86 0.88 0.90 0.92

Time-->





#3

Chloromethane

Concen: 13.393 ug/l

RT: 1.28 min Scan# 76

Delta R.T. 0.13 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

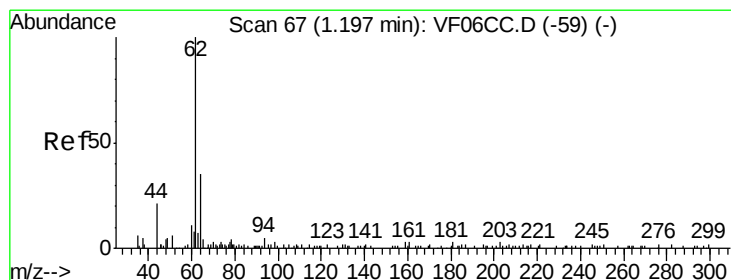
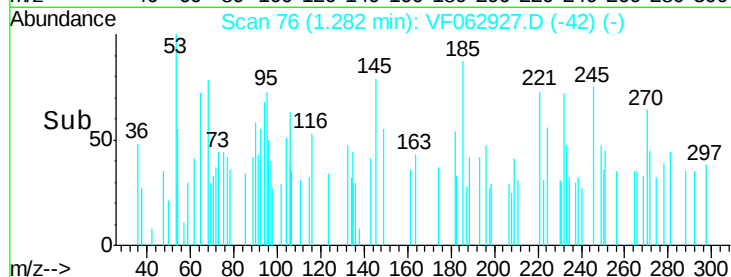
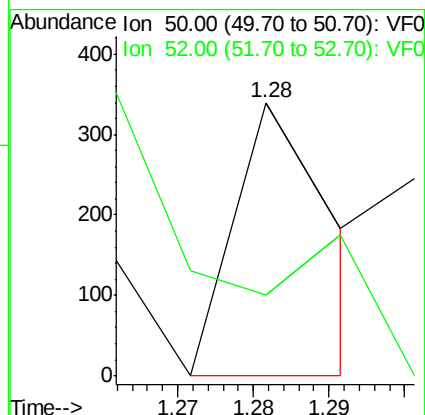
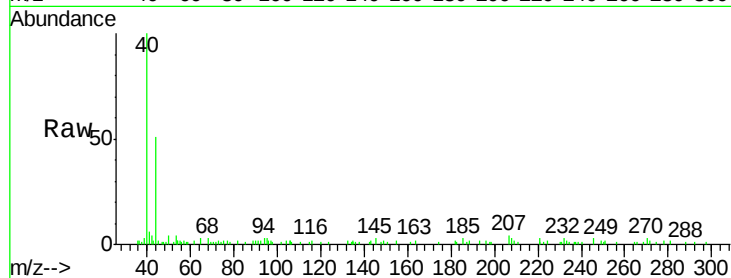
200030-200034

Tot Ion: 50 Resp: 310

Ion Ratio Lower Upper

50 100

52 29.7 27.0 40.4



#4

Vinyl Chloride

Concen: 7.130 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.01 min

Lab File: VF062927.D

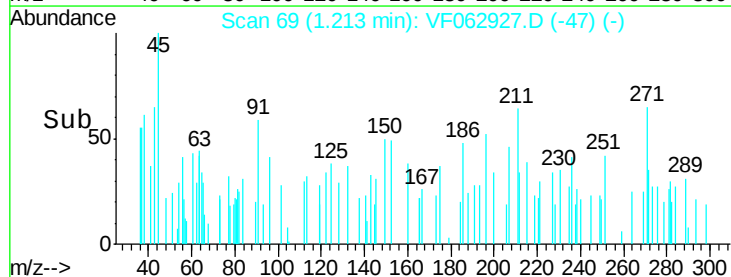
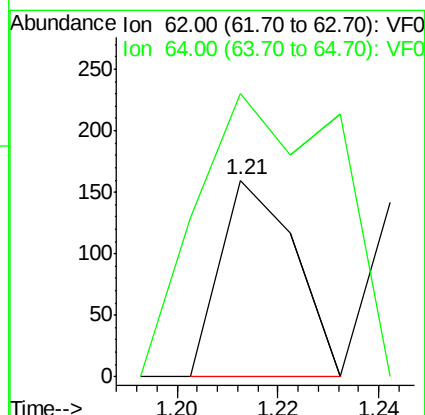
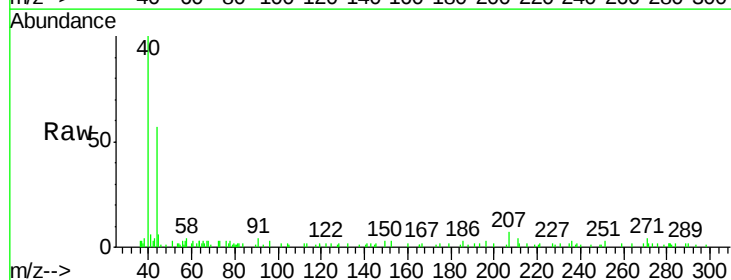
Acq: 12 Jun 2019 15:03

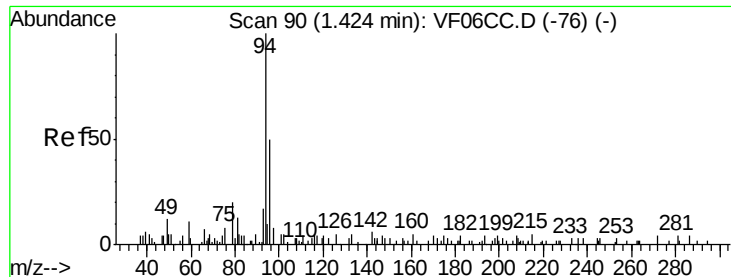
Tgt Ion: 62 Resp: 164

Ion Ratio Lower Upper

62 100

64 143.7 26.2 39.2#





#5

Bromomethane

Concen: 29.960 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.07 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

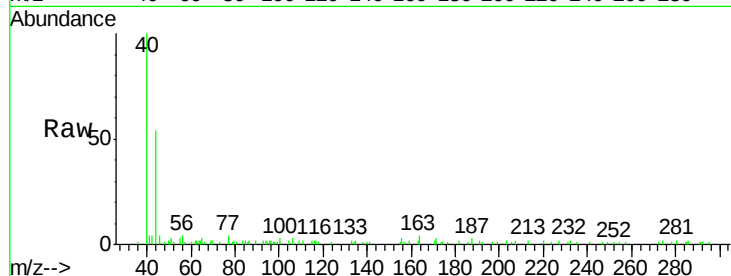
200030-200034

Tot Ion: 94 Resp: 393

Ion Ratio Lower Upper

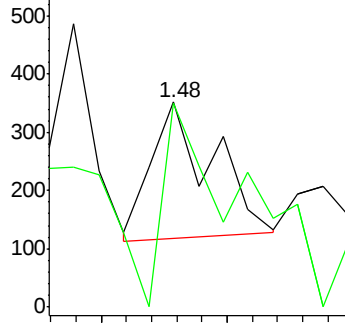
94 100

96 99.4 73.8 110.6

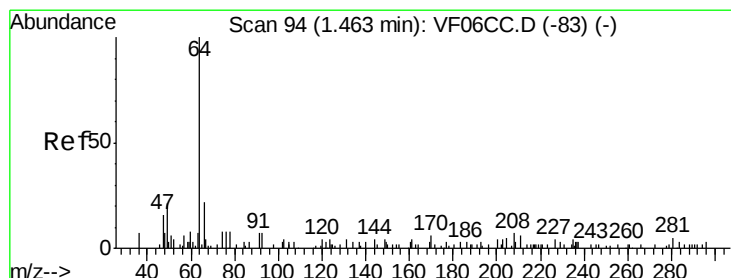
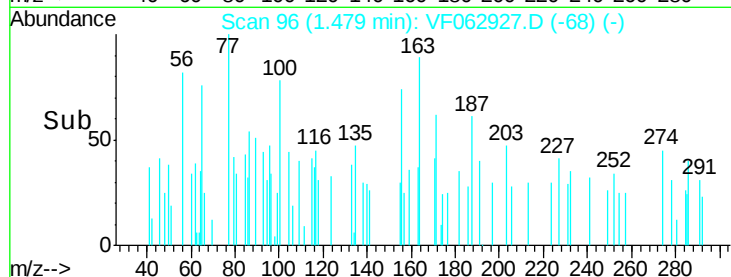


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time-->



#6

Chloroethane

Concen: 43.721 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.11 min

Lab File: VF062927.D

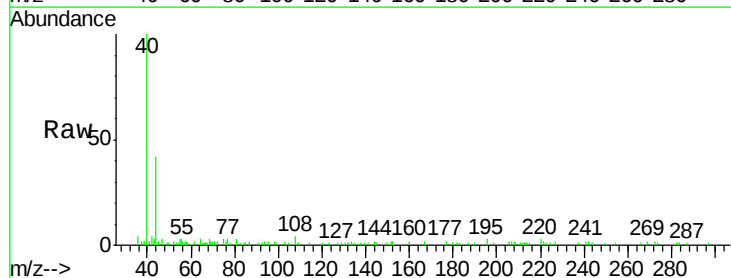
Acq: 12 Jun 2019 15:03

Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

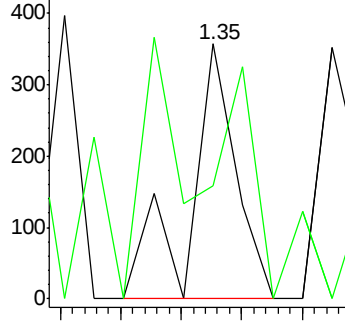
64 100

66 44.5 31.0 46.4

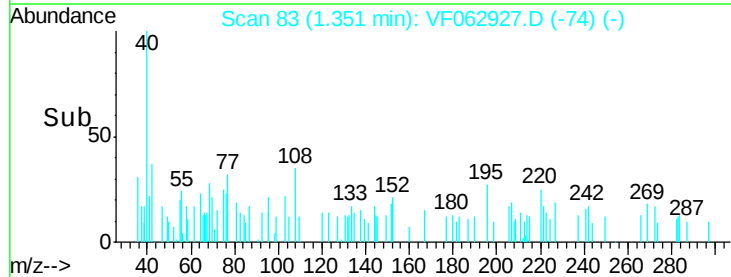


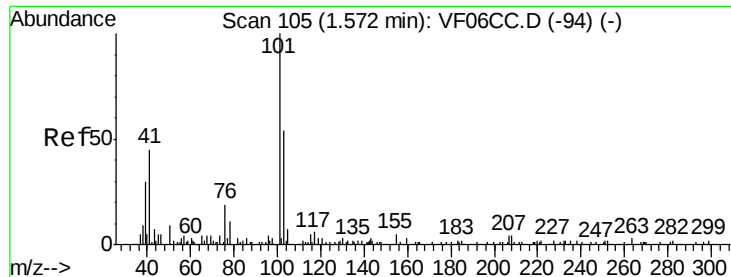
Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->



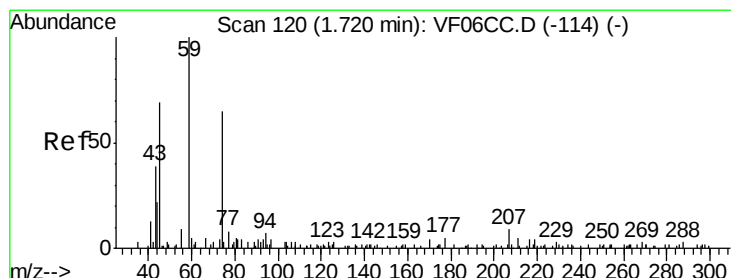
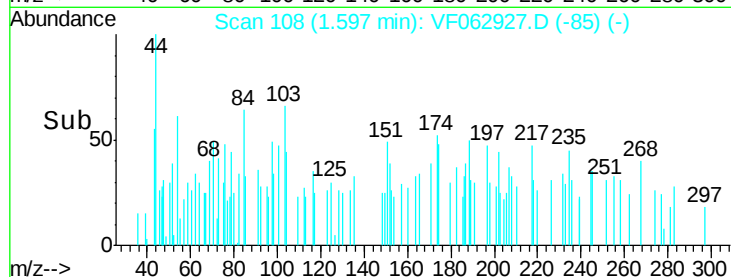
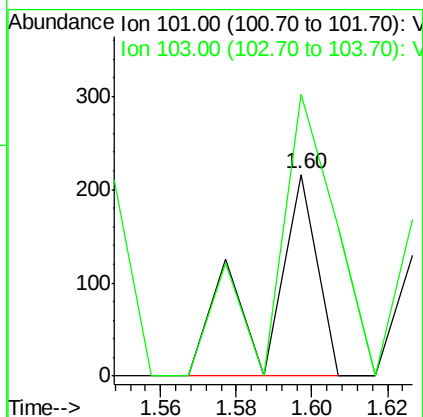
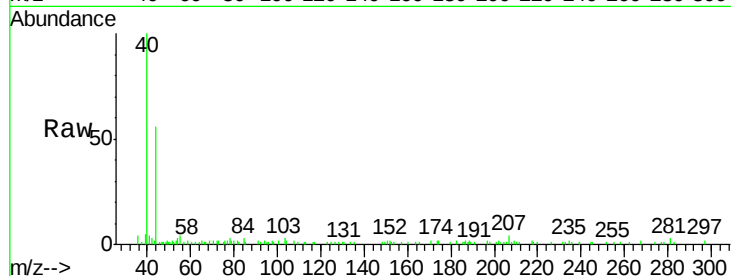


#7

Trichlorofluoromethane
Concen: 6.203 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Instrument :
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ClientSampleId :
200030-200034

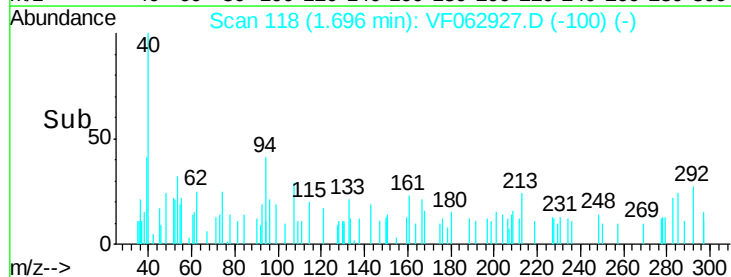
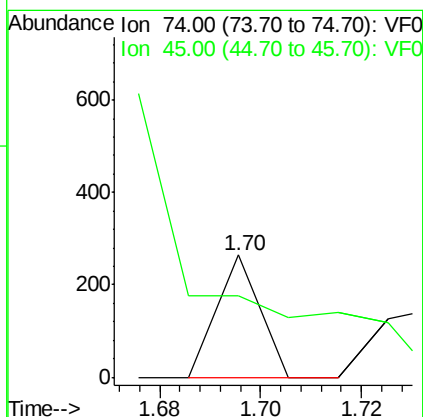
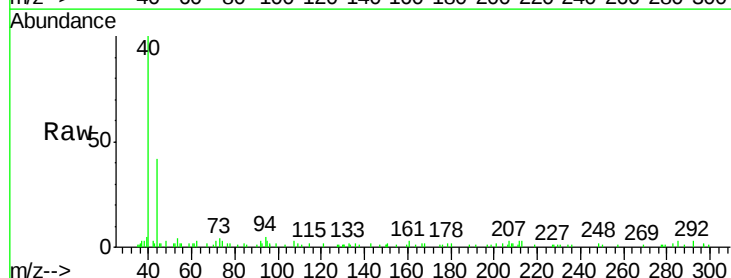
Tot Ion:101 Resp: 202
Ion Ratio Lower Upper
101 100
103 140.3 54.6 82.0#

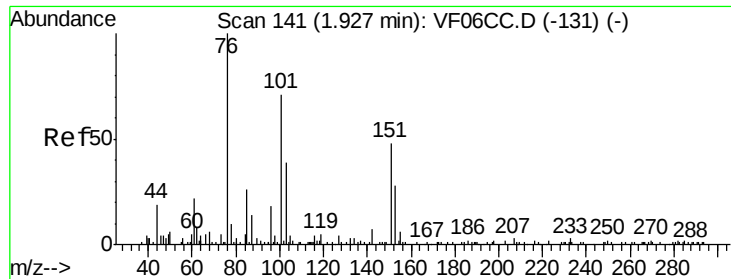


#8

Diethyl Ether
Concen: 24.351 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 74 Resp: 156
Ion Ratio Lower Upper
74 100
45 67.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.810 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.03 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

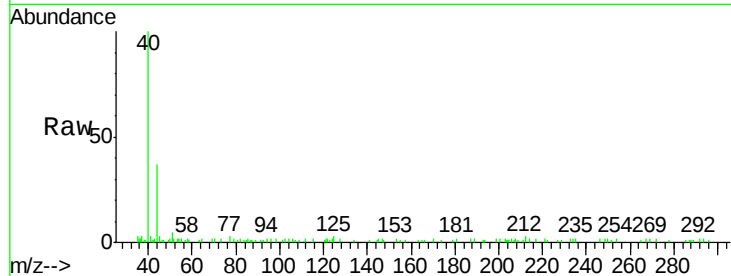
Tot Ion:101 Resp: 78

Ion Ratio Lower Upper

101 100

85 143.2 37.1 55.7#

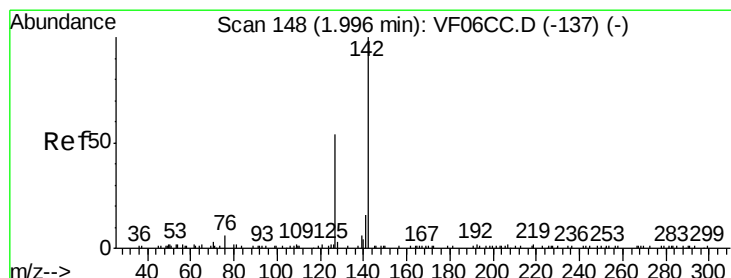
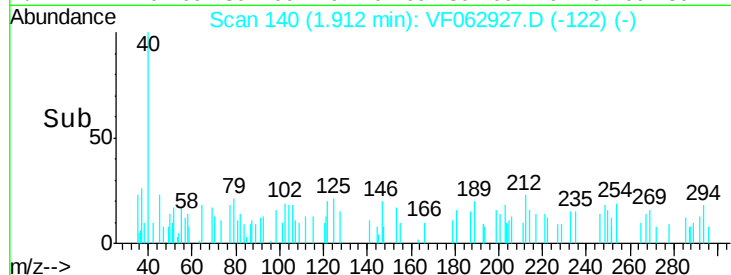
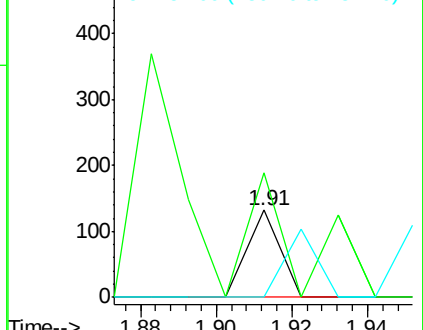
151 0.0 60.3 90.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 3.800 ug/l

RT: 2.01 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

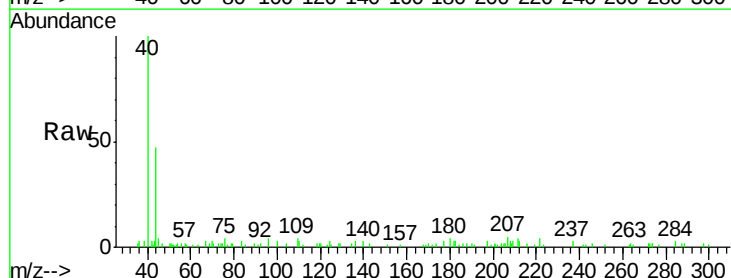
Tgt Ion:142 Resp: 156

Ion Ratio Lower Upper

142 100

127 0.0 39.4 59.2#

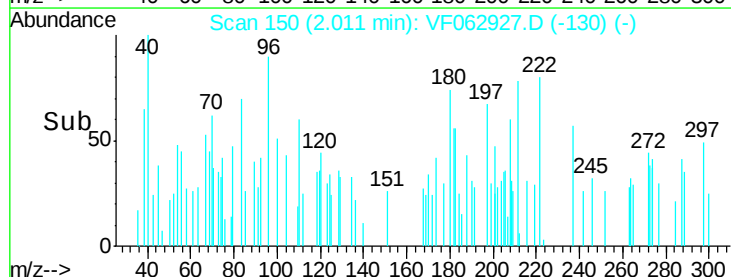
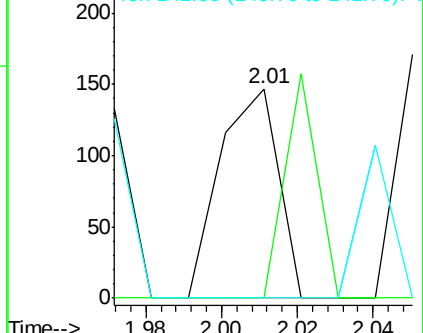
141 0.0 10.6 15.8#

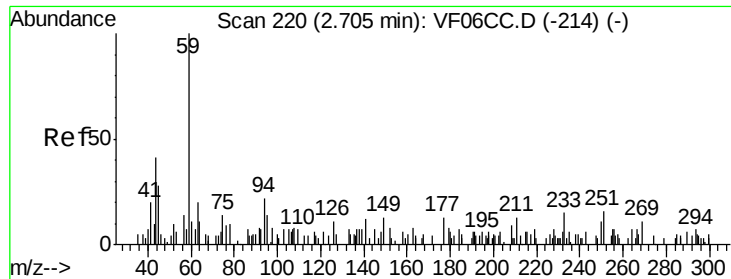


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

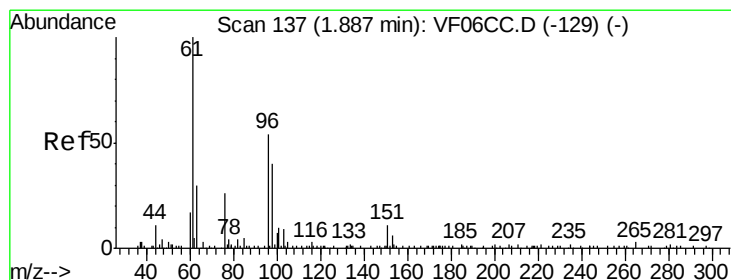
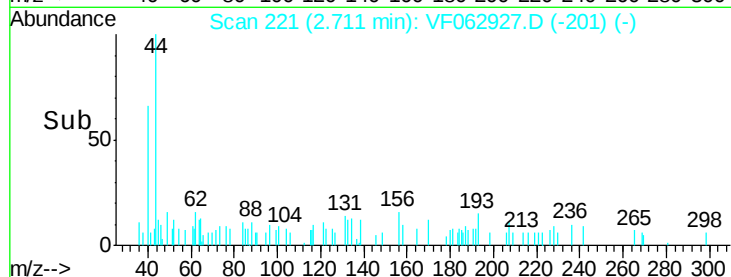
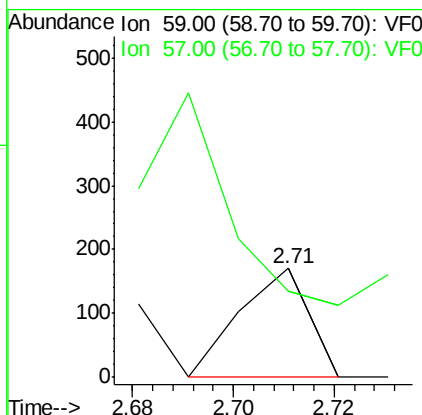
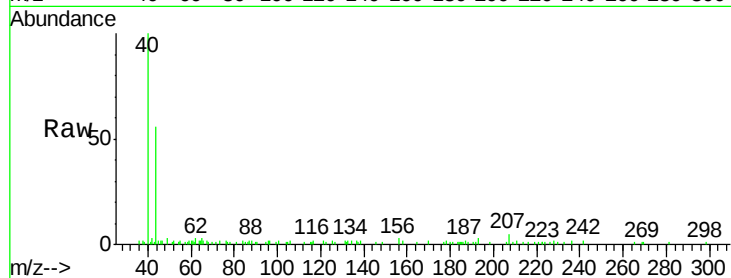




#11
Tert butyl alcohol
Concen: 170.740 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

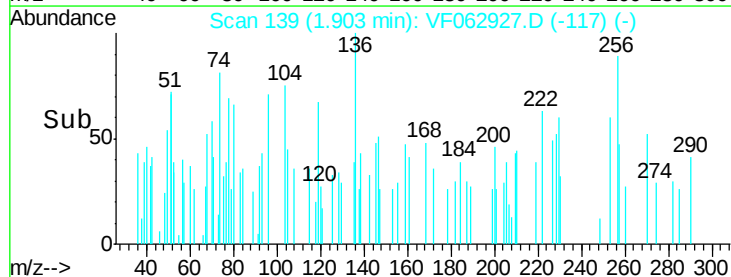
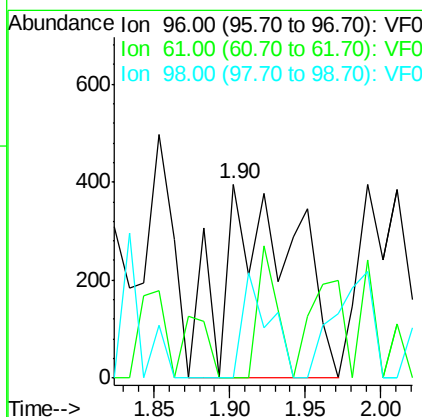
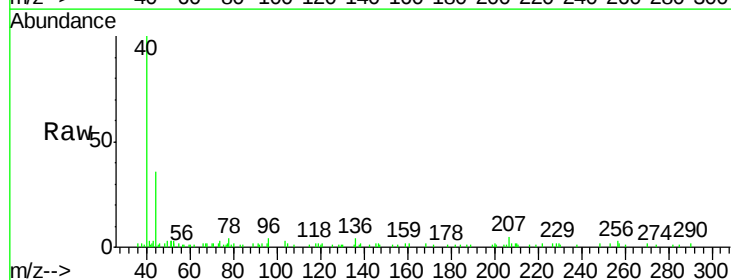
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

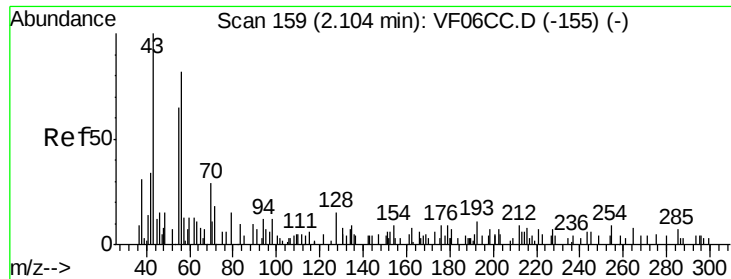
Tot Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 79.4 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 71.061 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 96 Resp: 1321
Ion Ratio Lower Upper
96 100
61 0.0 139.4 209.2#
98 0.0 50.3 75.5#

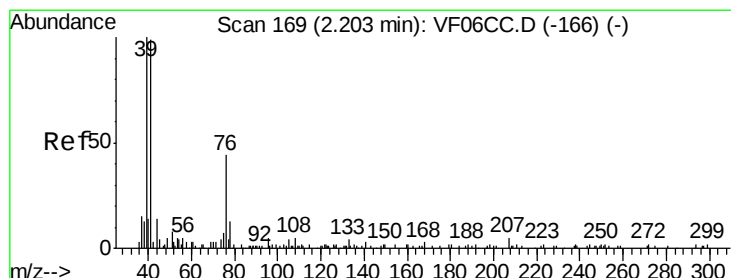
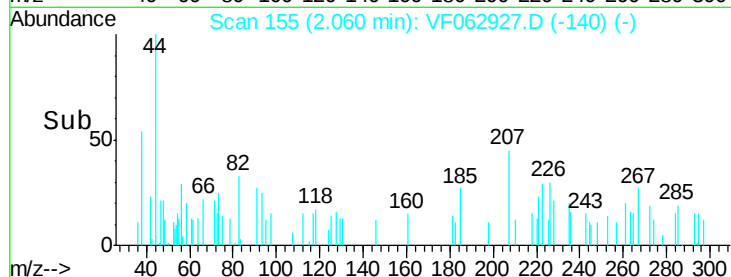
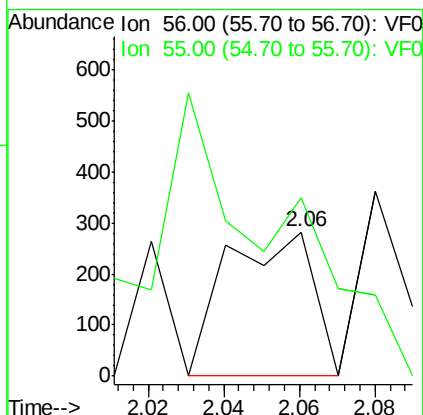
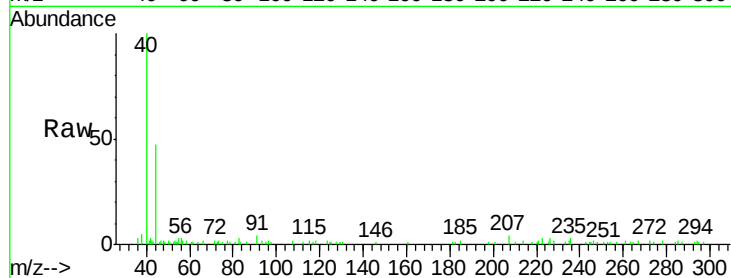




#13
Acrolein
Concen: 1225.971 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

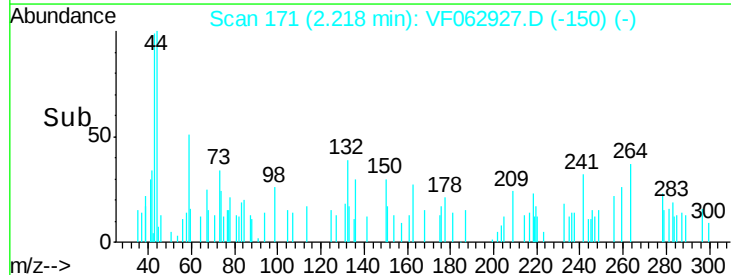
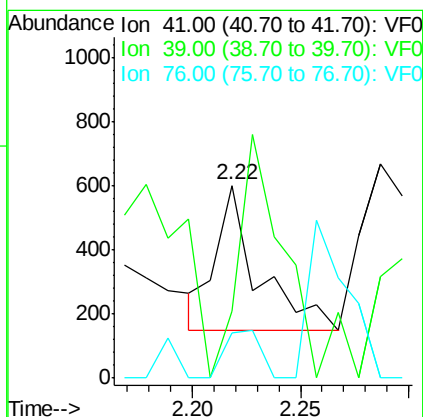
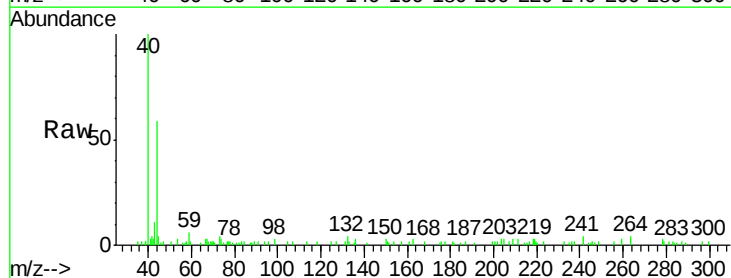
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

Tot Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 71.8 52.9 79.3



#14
Allyl chloride
Concen: 43.060 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.00 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 41 Resp: 621
Ion Ratio Lower Upper
41 100
39 34.9 71.9 107.9#
76 23.4 39.6 59.4#





#15

Acrylonitrile

Concen: 179.767 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

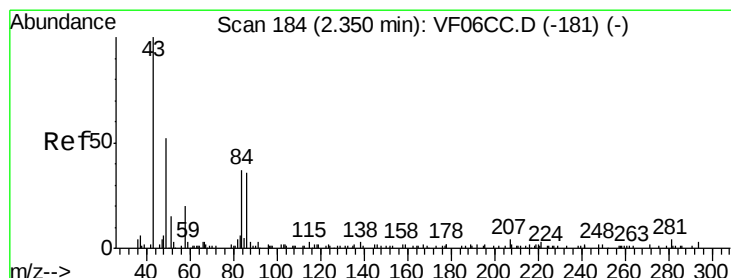
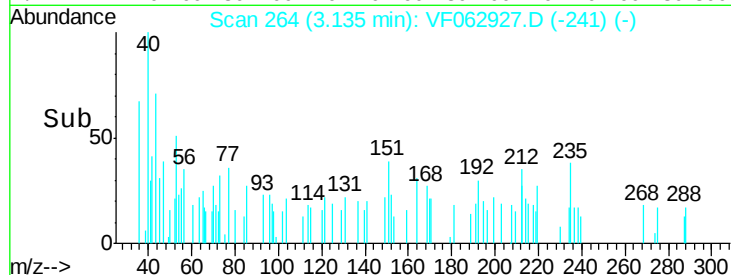
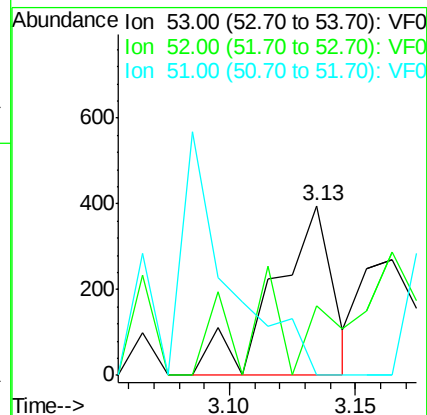
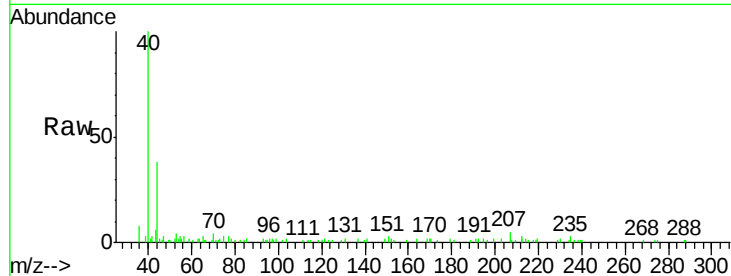
Tot Ion: 53 Resp: 633

Ion Ratio Lower Upper

53 100

52 41.0 68.1 102.1#

51 0.0 27.7 41.5#



#16

Acetone

Concen: 384.126 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.02 min

Lab File: VF062927.D

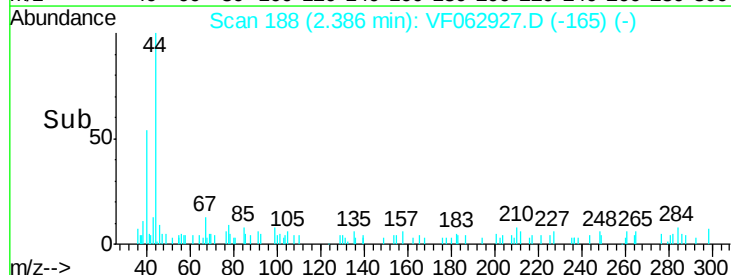
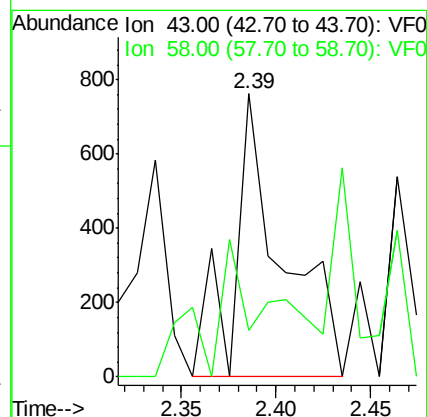
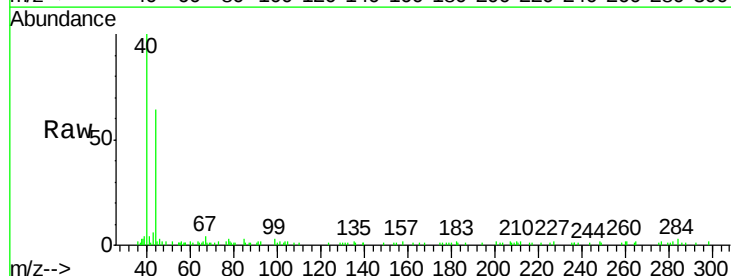
Acq: 12 Jun 2019 15:03

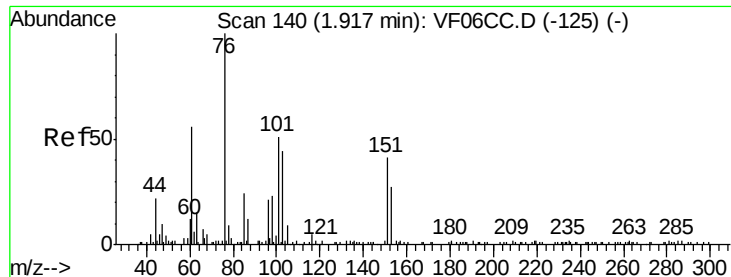
Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

58 16.3 19.0 28.4#

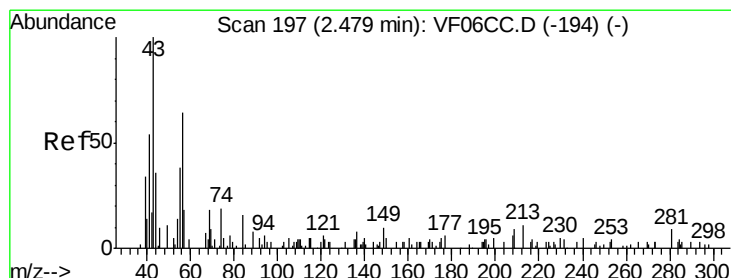
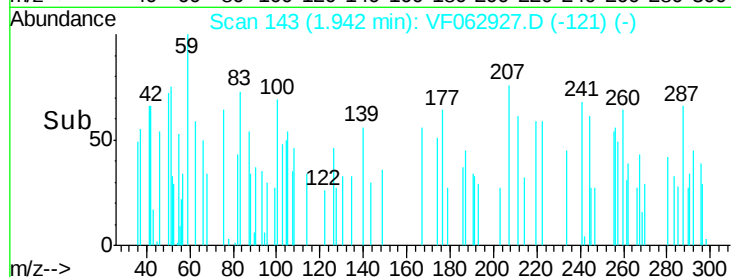
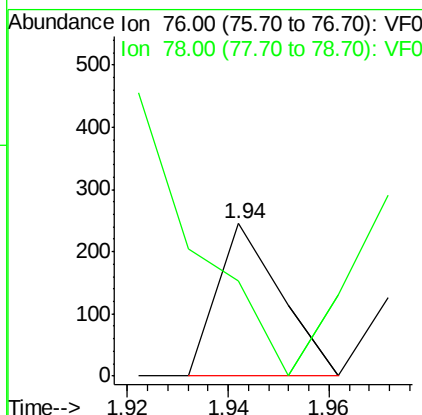
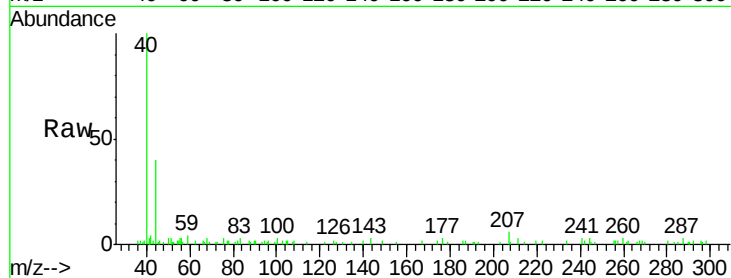




#17
Carbon Disulfide
Concen: 3.902 ug/l
RT: 1.94 min Scan# 143
Delta R.T. 0.01 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

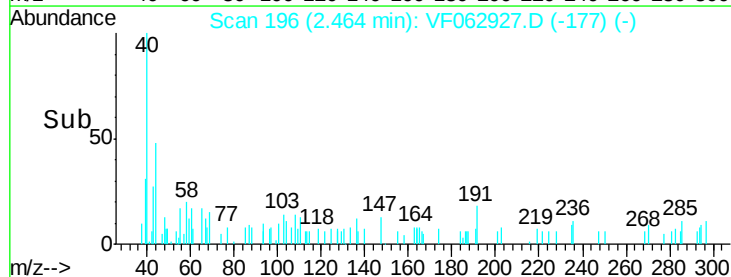
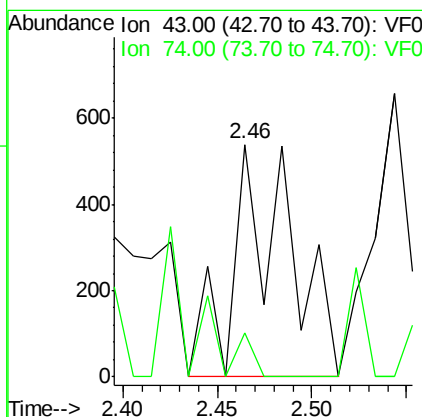
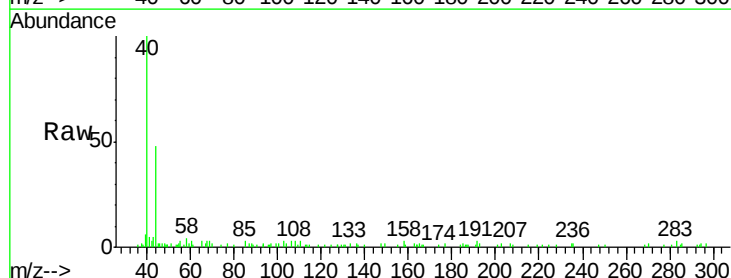
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

Tot Ion: 76 Resp: 212
Ion Ratio Lower Upper
76 100
78 62.4 9.4 14.2#



#18
Methyl Acetate
Concen: 182.803 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
74 19.1 22.1 33.1#



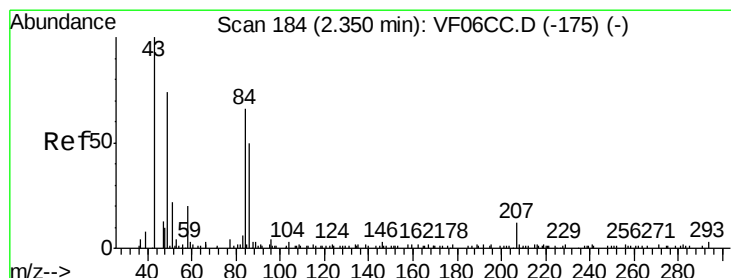
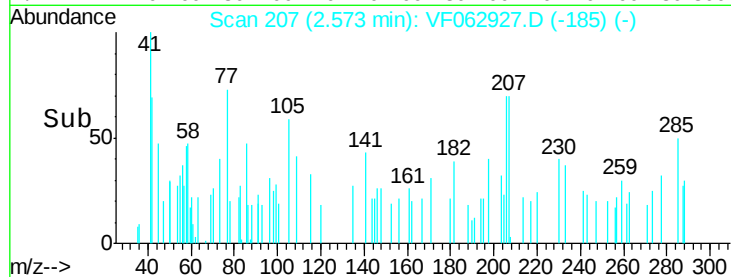
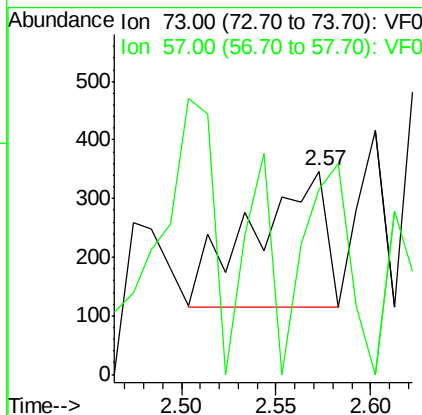
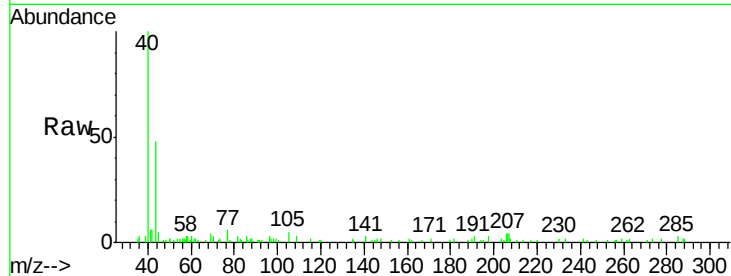


#19

Methyl tert-butyl Ether
 Concen: 18.379 ug/l
 RT: 2.57 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034

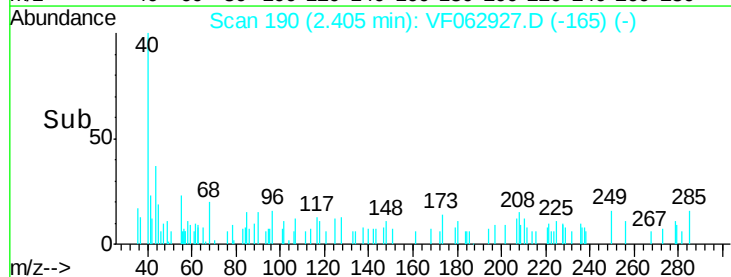
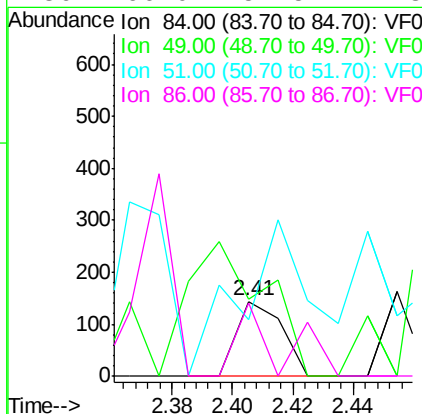
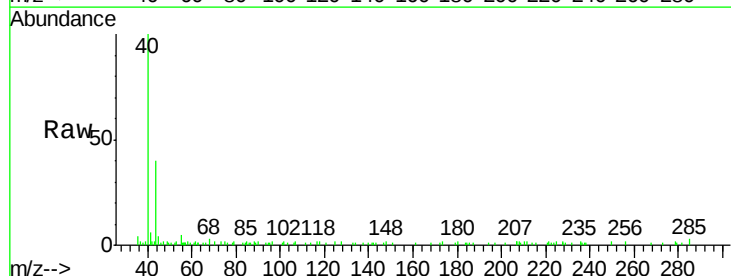
Tot Ion: 73 Resp: 619
 Ion Ratio Lower Upper
 73 100
 57 91.1 15.1 22.7#

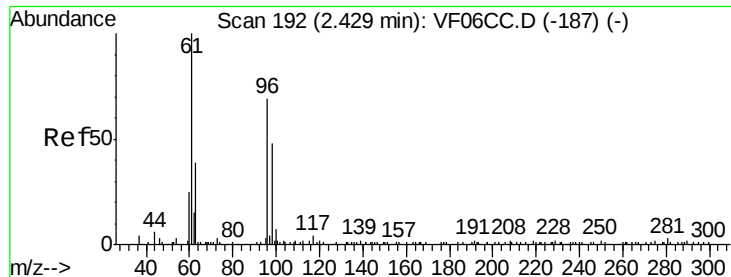


#20

Methylene Chloride
 Concen: 5.882 ug/l
 RT: 2.41 min Scan# 190
 Delta R.T. 0.04 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Tgt Ion: 84 Resp: 151
 Ion Ratio Lower Upper
 84 100
 49 34.9 82.6 123.8#
 51 25.7 25.0 37.4
 86 66.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 40.346 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.03 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

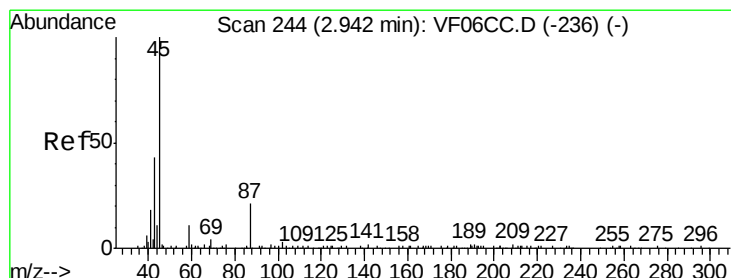
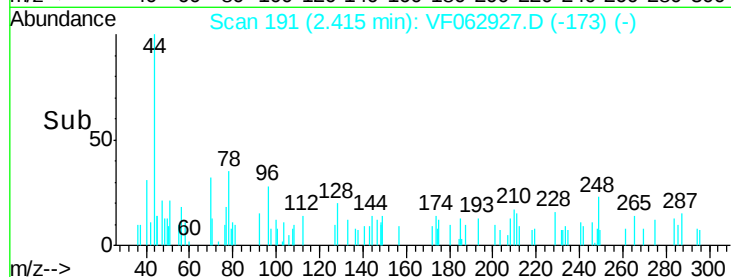
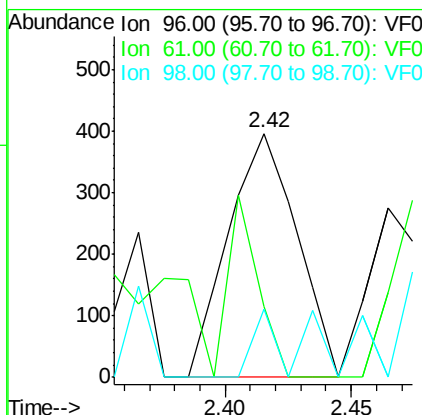
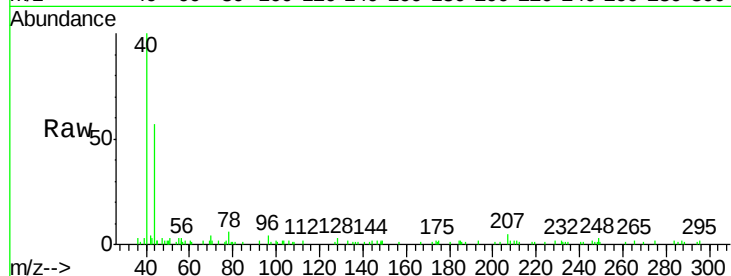
Tot Ion: 96 Resp: 752

Ion Ratio Lower Upper

96 100

61 29.0 105.0 157.6#

98 28.0 51.1 76.7#



#22

Diisopropyl ether

Concen: 18.402 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.03 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Tgt Ion: 45 Resp: 754

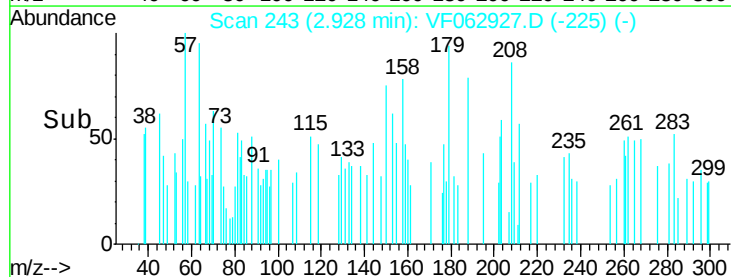
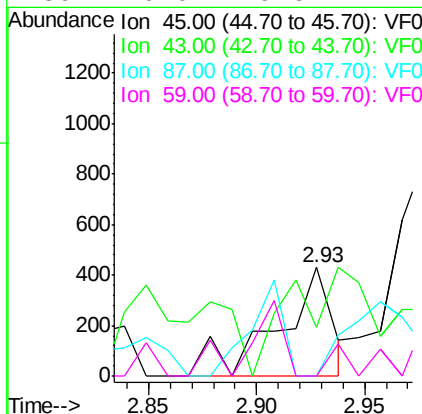
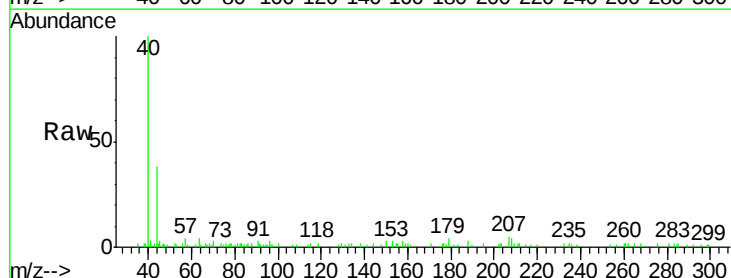
Ion Ratio Lower Upper

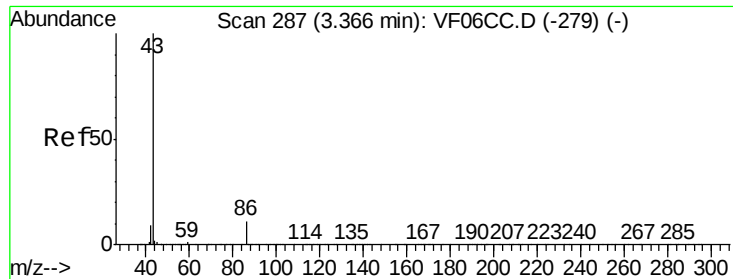
45 100

43 44.4 34.3 51.5

87 0.0 19.0 28.4#

59 0.0 9.6 14.4#





#23

Vinyl Acetate

Concen: 36.612 ug/l

RT: 3.39 min Scan# 290

Delta R.T. 0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

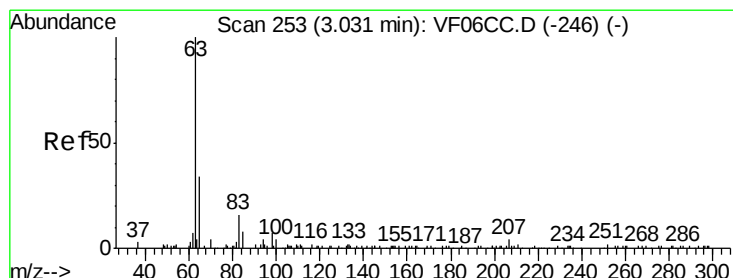
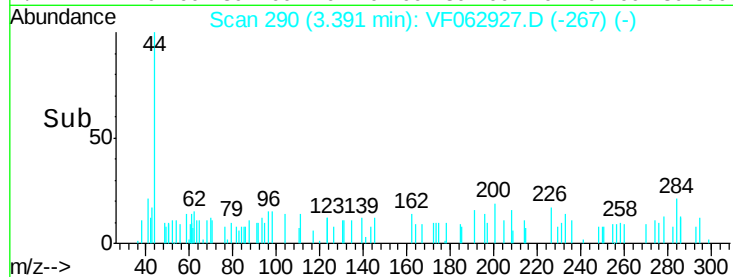
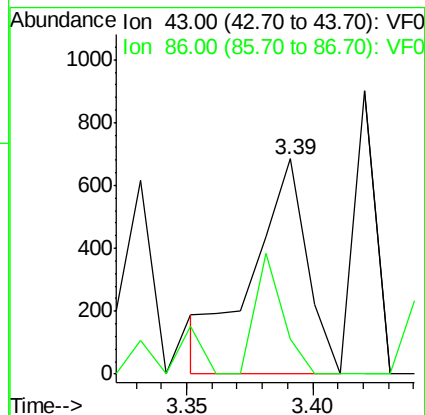
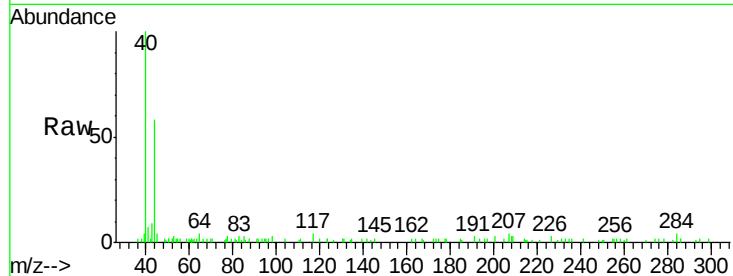
200030-200034

Tot Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

86 16.5 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 3.400 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

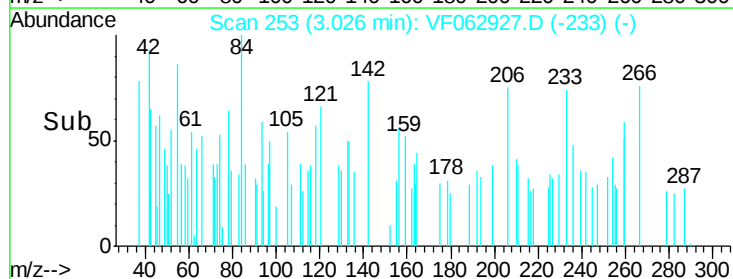
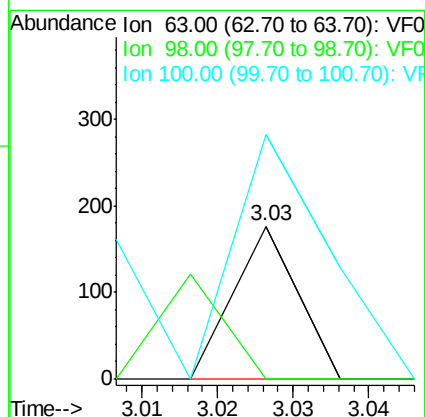
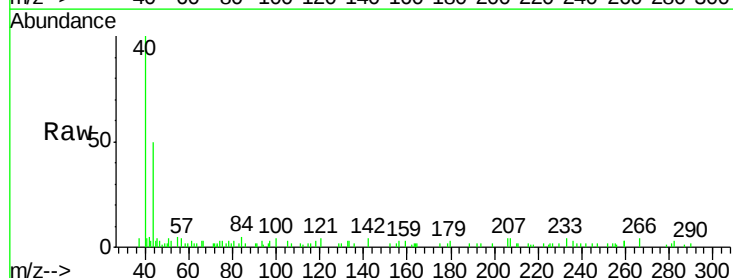
Tgt Ion: 63 Resp: 104

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 160.2 1.5 4.5#





#25

2-Butanone

Concen: 42.086 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampled :

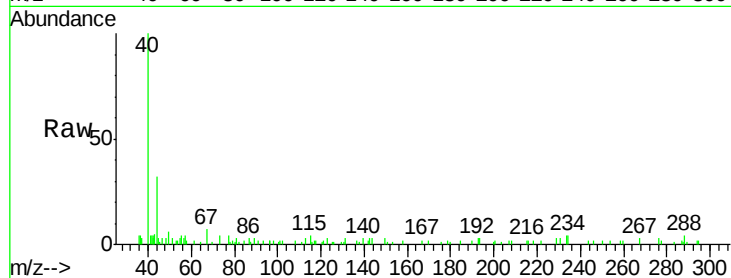
200030-200034

Tot Ion: 43 Resp: 347

Ion Ratio Lower Upper

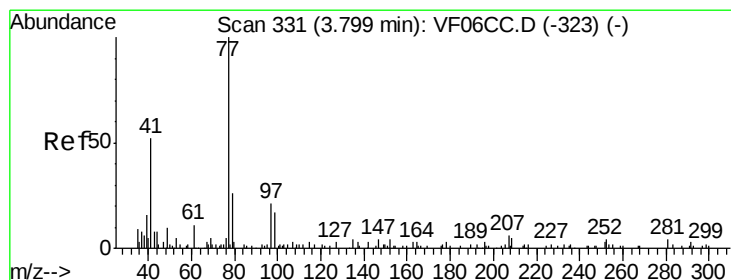
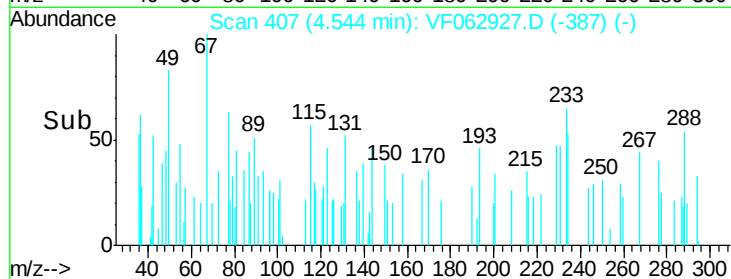
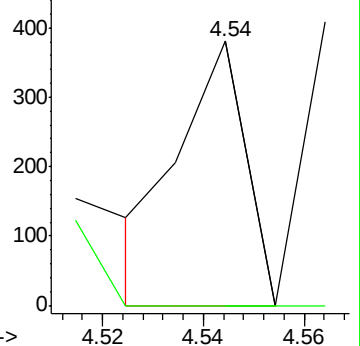
43 100

72 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 46.458 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.03 min

Lab File: VF062927.D

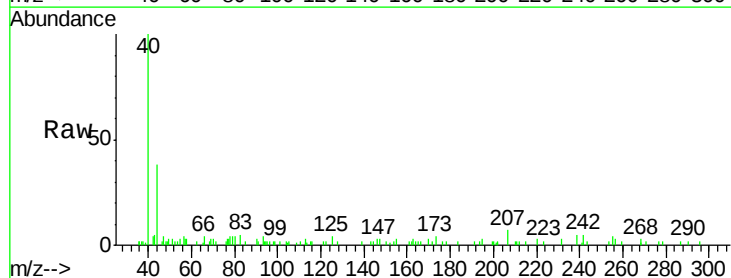
Acq: 12 Jun 2019 15:03

Tgt Ion: 77 Resp: 807

Ion Ratio Lower Upper

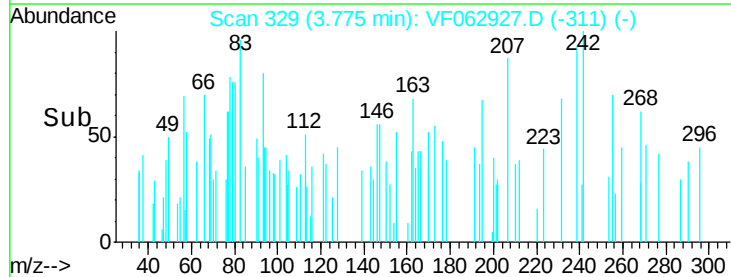
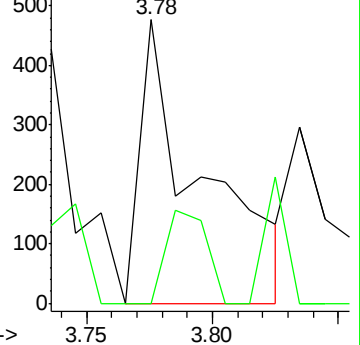
77 100

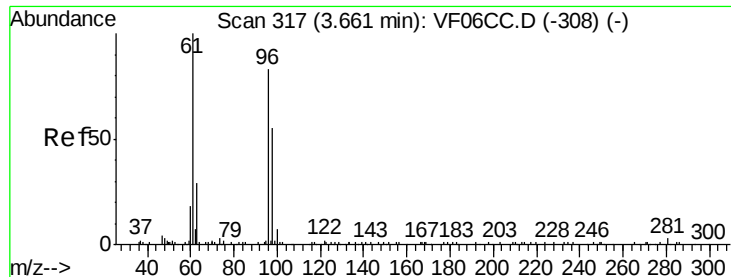
97 0.0 12.4 37.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



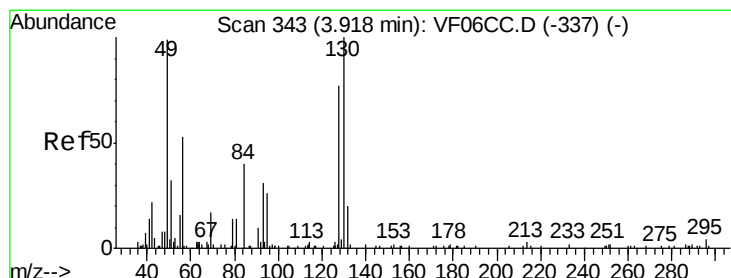
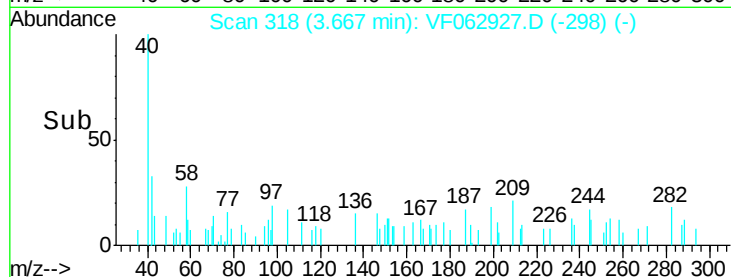
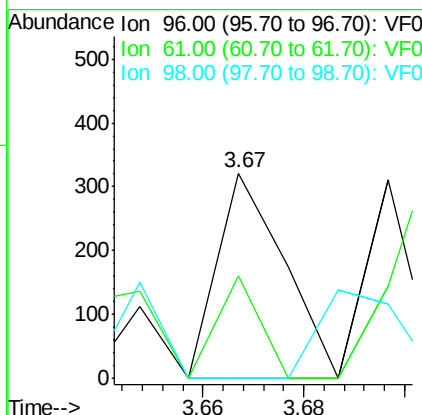
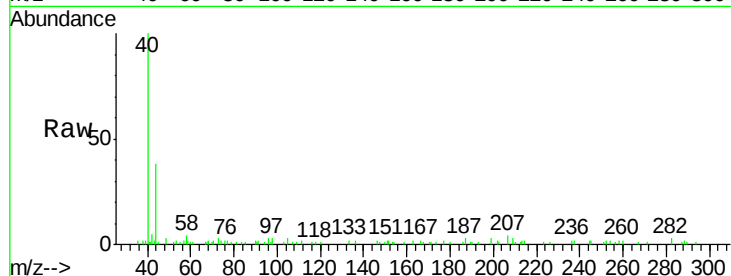


#27

cis-1,2-Dichloroethene
Concen: 9.352 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :
200030-200034

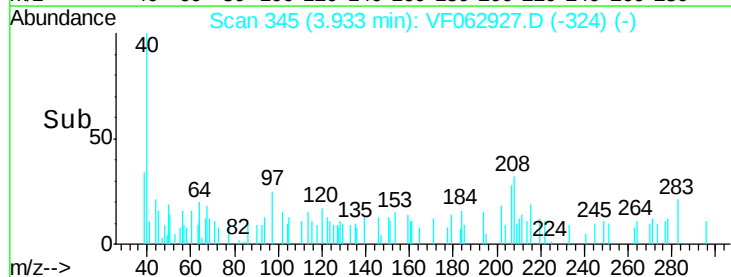
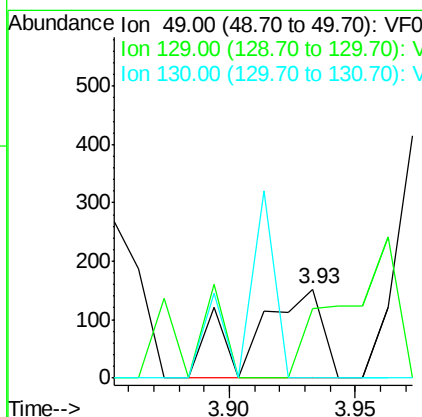
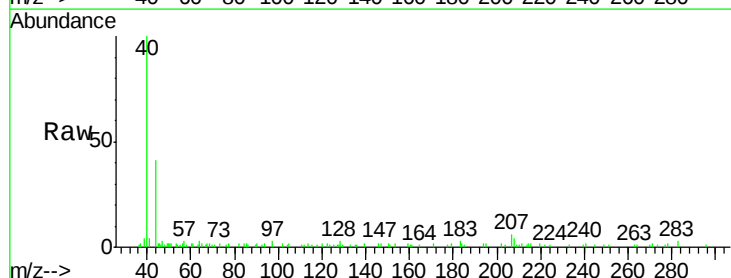
Tot Ion	Ratio	Lower	Upper
96	100		
61	49.8	0.0	213.8
98	0.0	0.0	127.0

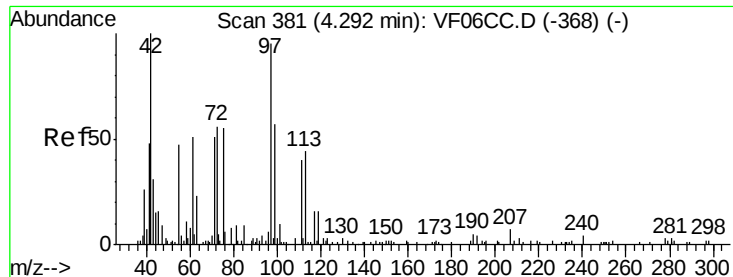


#28

Bromochloromethane
Concen: 17.788 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	78.3	0.0	5.4#
130	0.0	79.2	118.8#

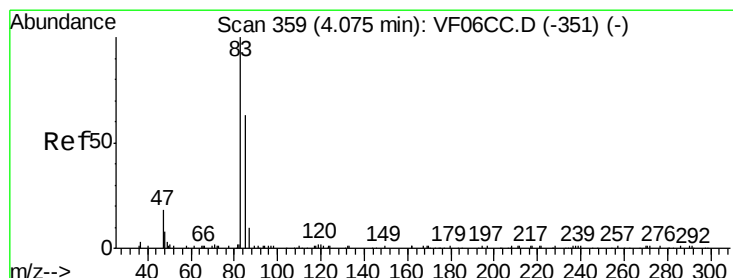
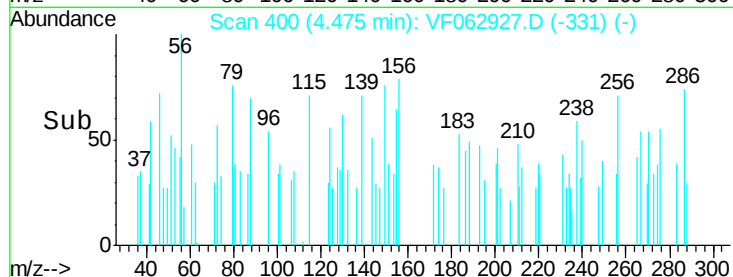
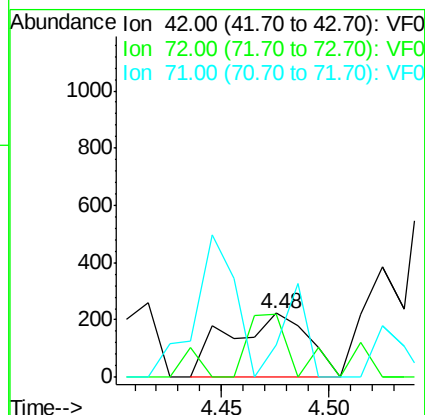
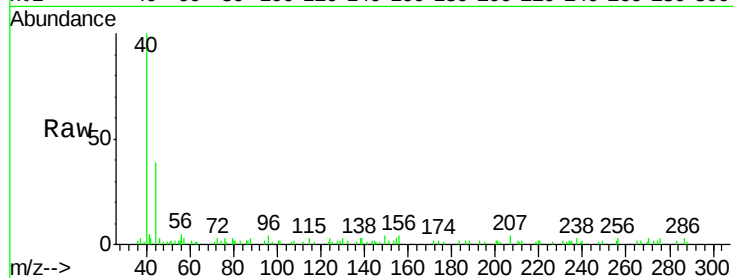




#29
Tetrahydrofuran
Concen: 179.166 ug/l
RT: 4.48 min Scan# 400
Delta R.T. 0.18 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

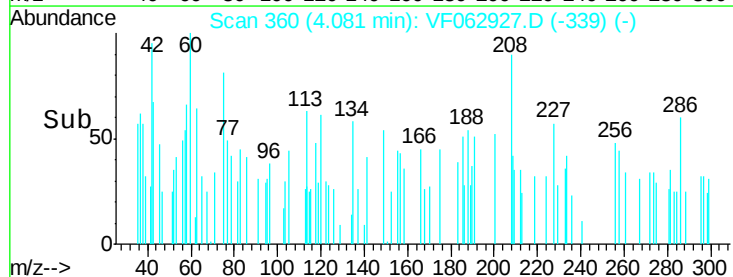
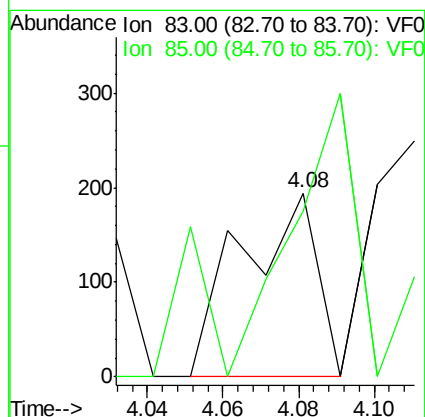
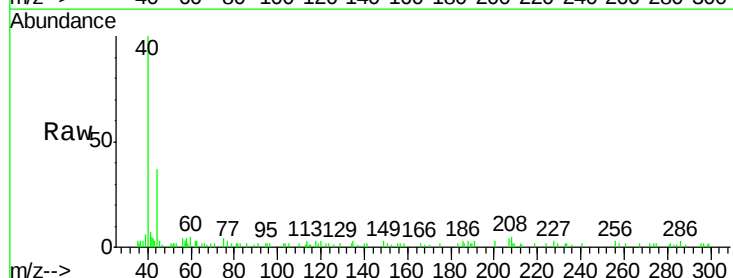
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

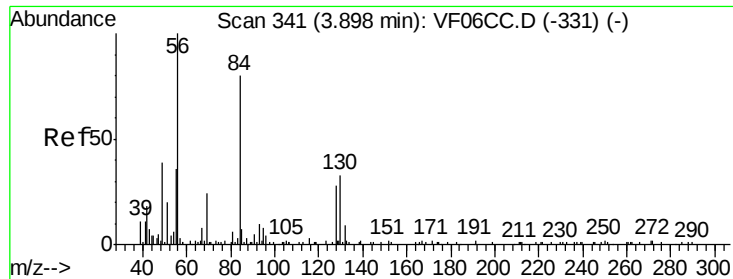
Tot Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 56.1 39.0 58.6
71 46.0 36.9 55.3



#30
Chloroform
Concen: 6.262 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.00 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 83 Resp: 270
Ion Ratio Lower Upper
83 100
85 90.2 55.0 82.6#

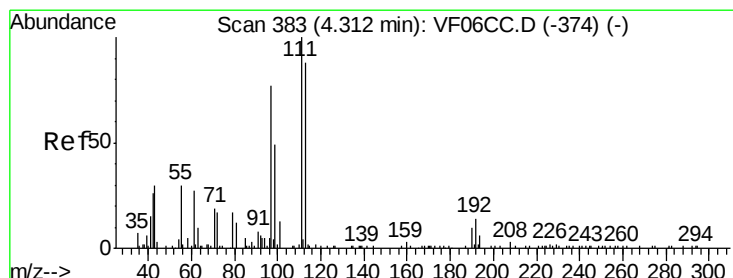
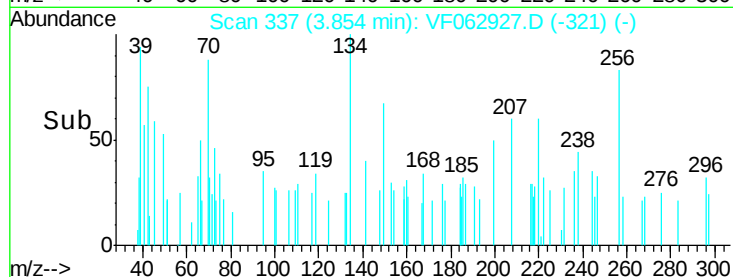
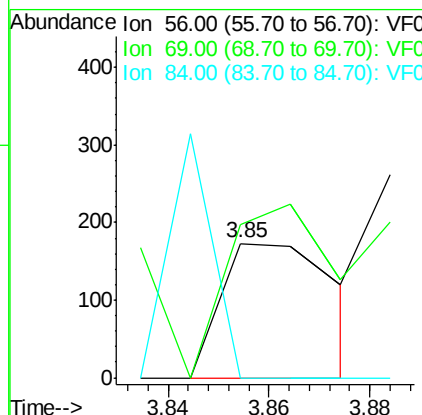
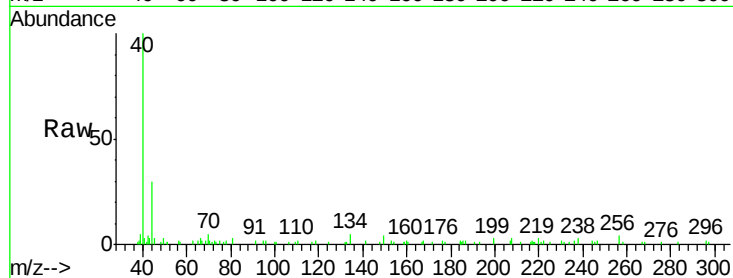




#31
Cyclohexane
Concen: 6.591 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.05 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

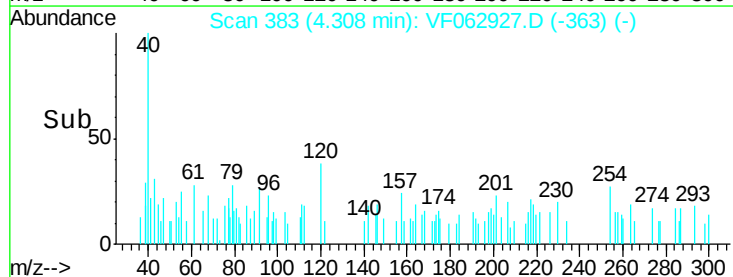
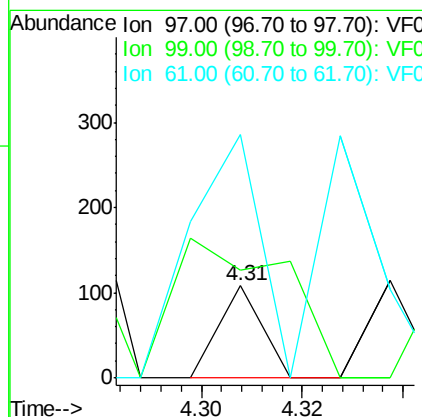
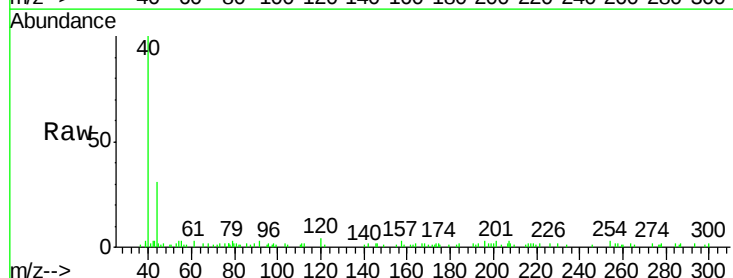
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

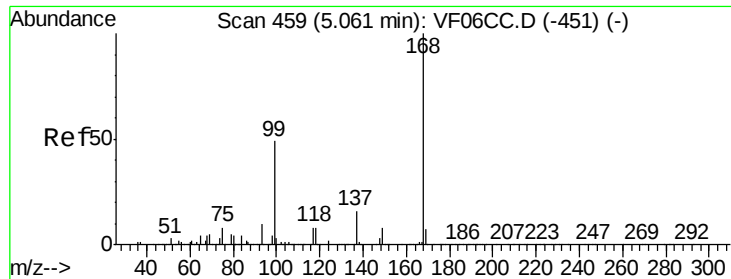
Tot Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
69 113.9 26.7 40.1#
84 0.0 74.3 111.5#



#32
1,1,1-Trichloroethane
Concen: 2.549 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 97 Resp: 64
Ion Ratio Lower Upper
97 100
99 117.6 51.7 77.5#
61 264.8 38.9 58.3#

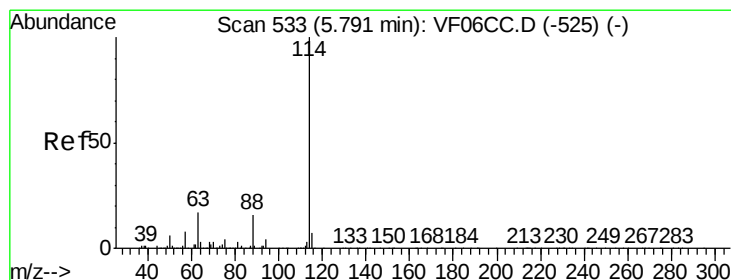
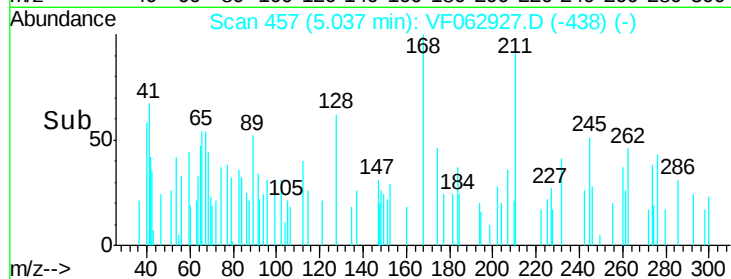
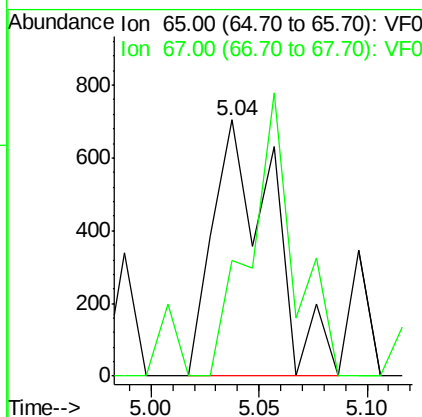
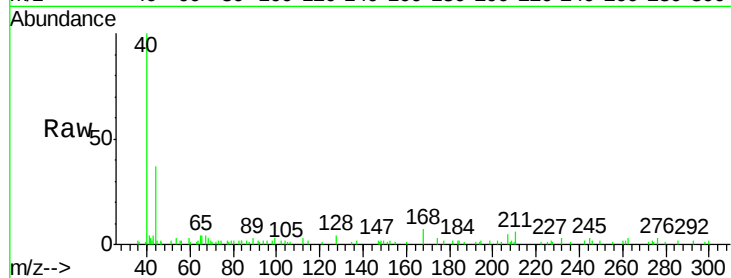




#33
 1,2-Dichloroethane-d4
 Concen: 87.077 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

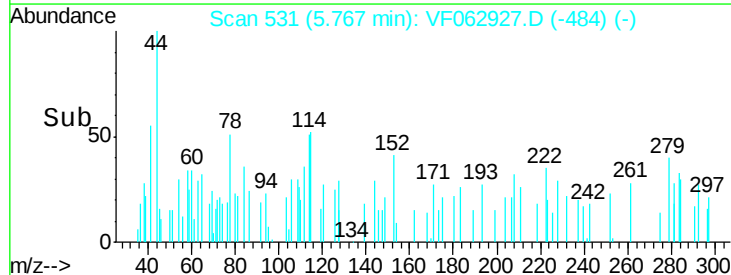
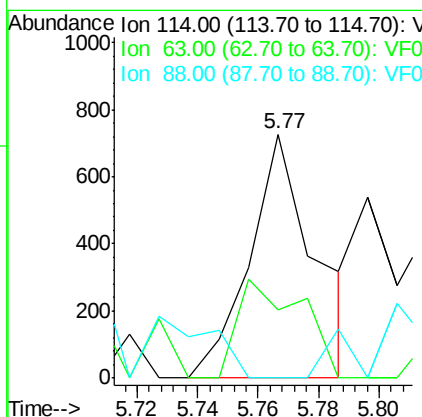
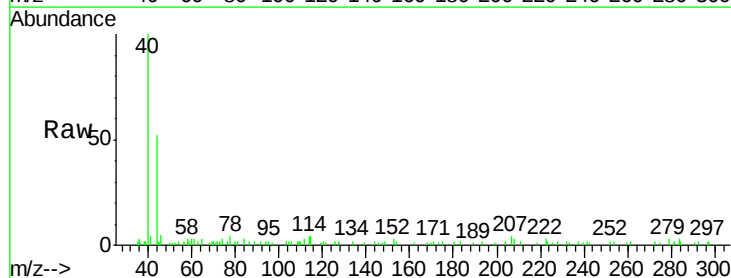
Instrument :
 MSVOA_F
 ClientSampled :
 200030-200034

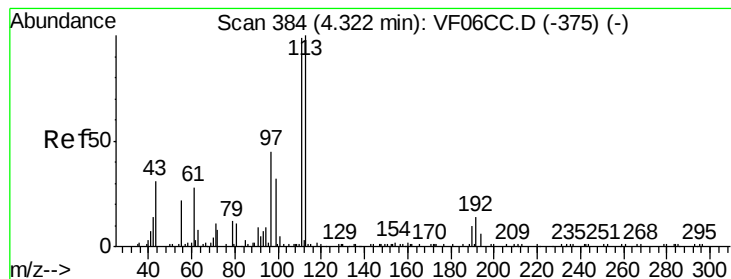
Tot Ion: 65 Resp: 1347
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.04 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Tgt Ion: 114 Resp: 1095
 Ion Ratio Lower Upper
 114 100
 63 28.1 0.0 34.2
 88 0.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 63.811 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.06 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

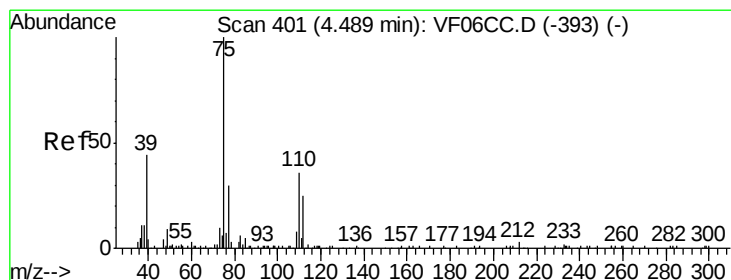
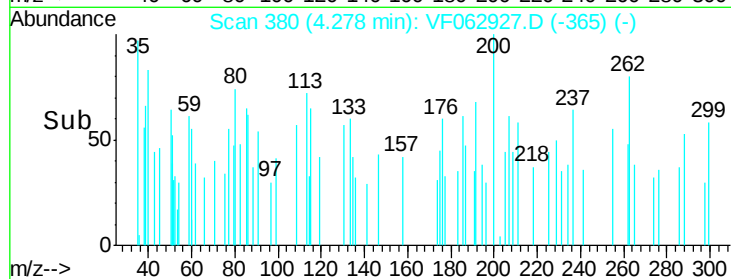
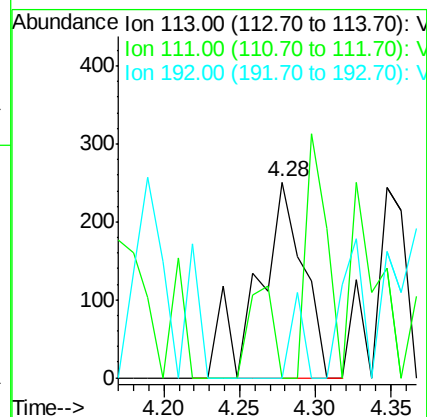
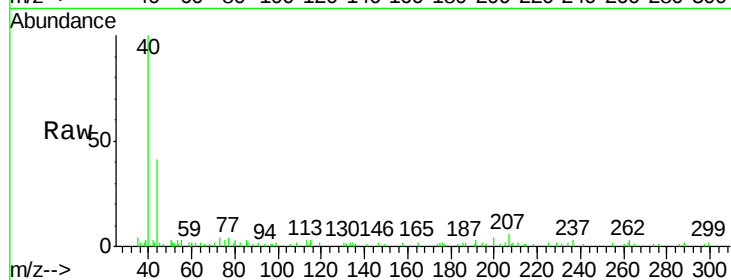
Tot Ion:113 Resp: 528

Ion Ratio Lower Upper

113 100

111 0.0 81.9 122.9#

192 0.0 15.1 22.7#



#36

1,1-Dichloropropene

Concen: 66.663 ug/l

RT: 4.60 min Scan# 413

Delta R.T. 0.10 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

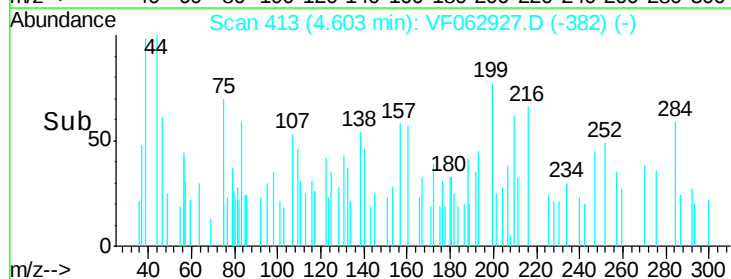
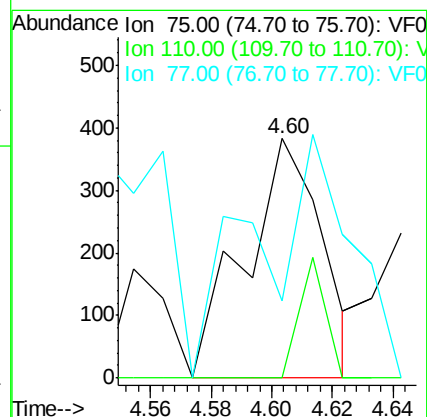
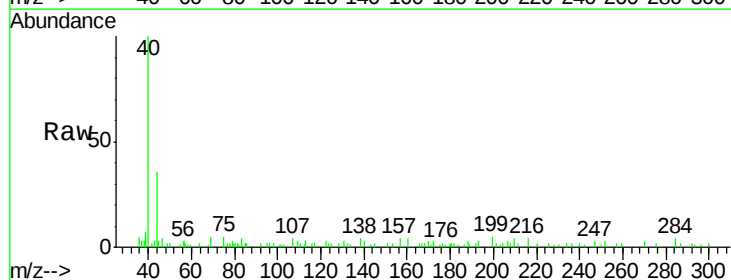
Tgt Ion: 75 Resp: 672

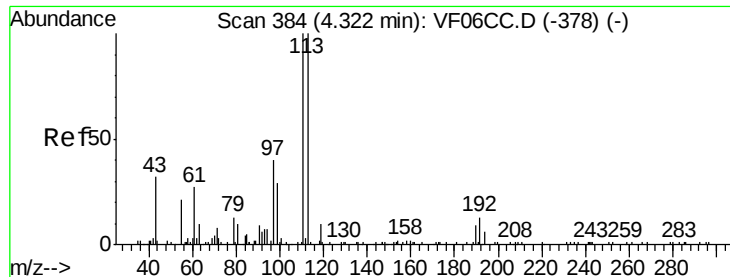
Ion Ratio Lower Upper

75 100

110 43.6 19.4 58.1

77 32.4 25.4 38.2

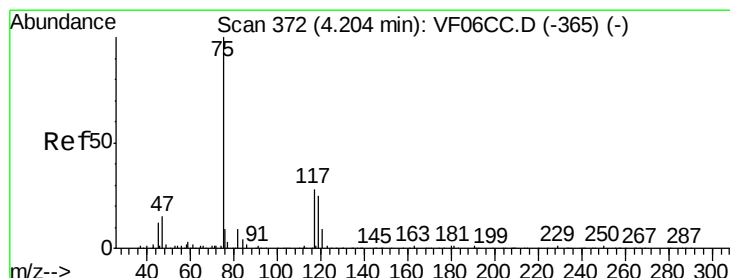
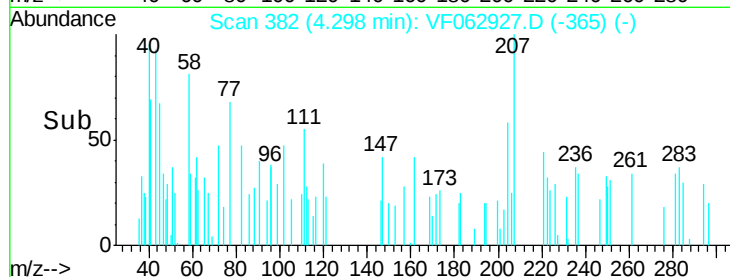
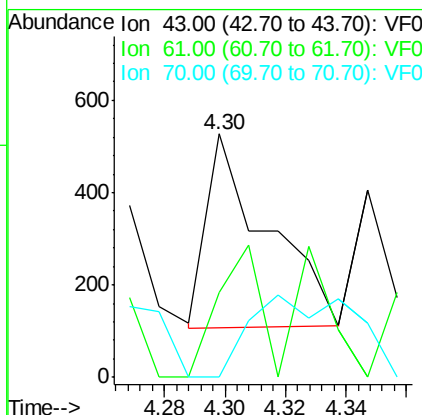
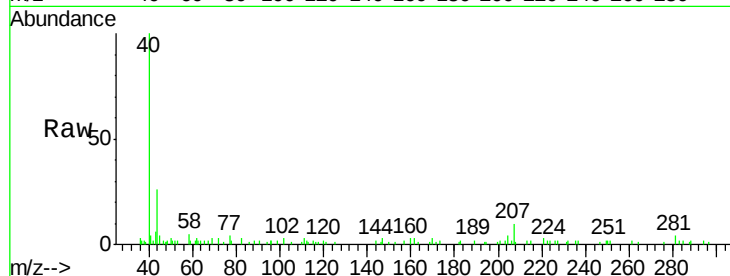




#37
Ethyl Acetate
Concen: 151.295 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.04 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

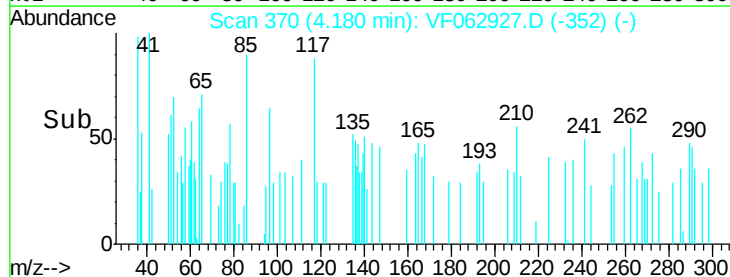
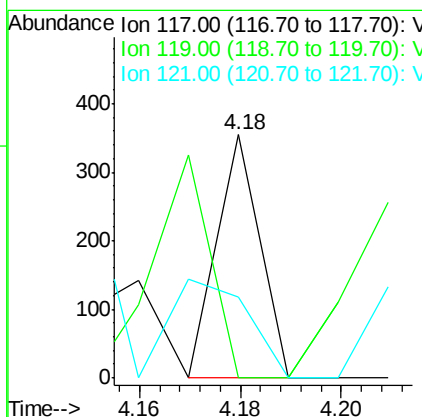
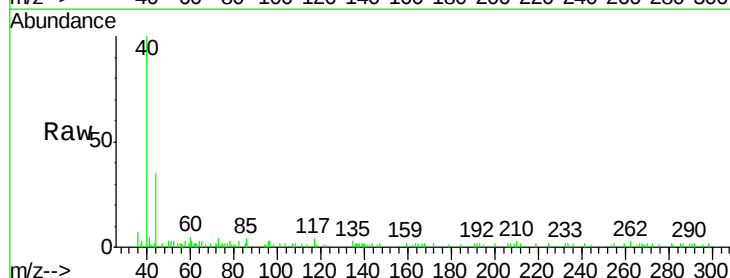
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

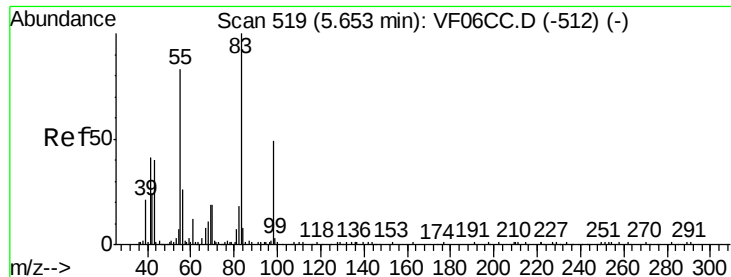
Tot Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
61 34.7 59.1 88.7#
70 0.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 30.824 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.03 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 117 Resp: 210
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 33.2 28.2 42.2

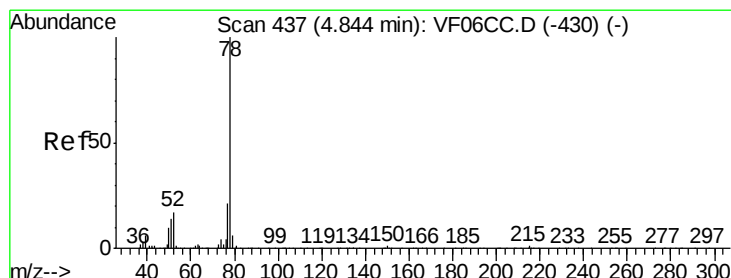
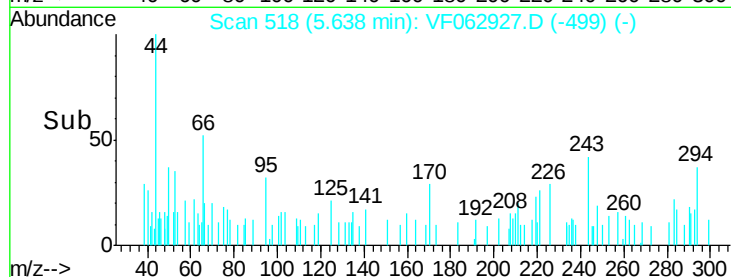
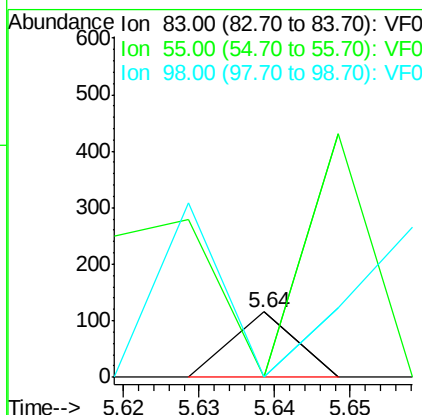
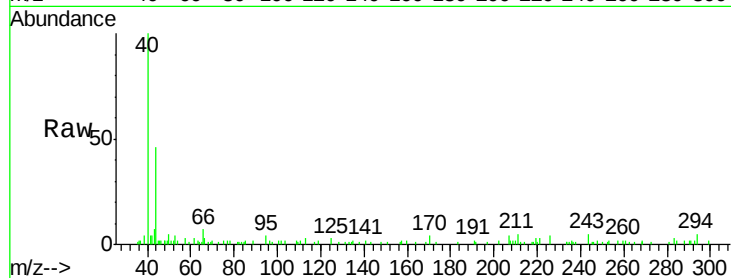




#39
Methvlcvclohexane
Concen: 5.500 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

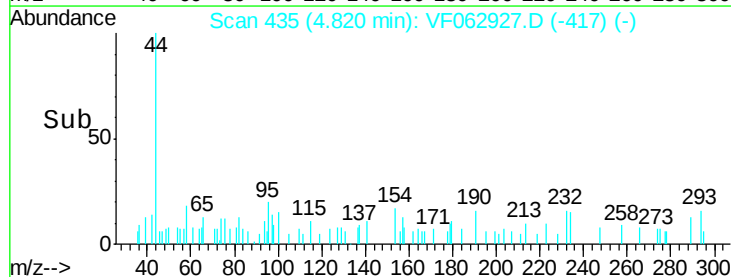
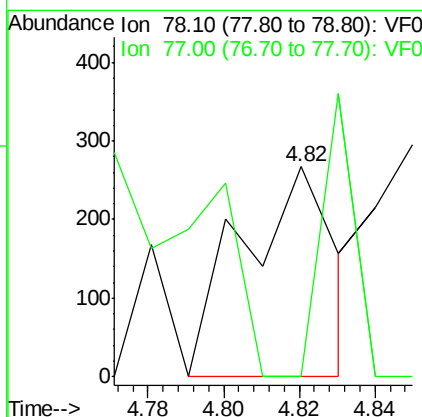
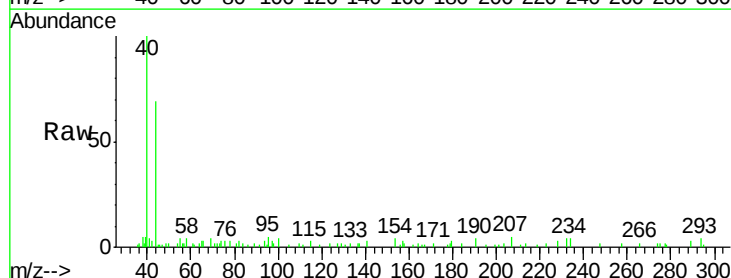
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

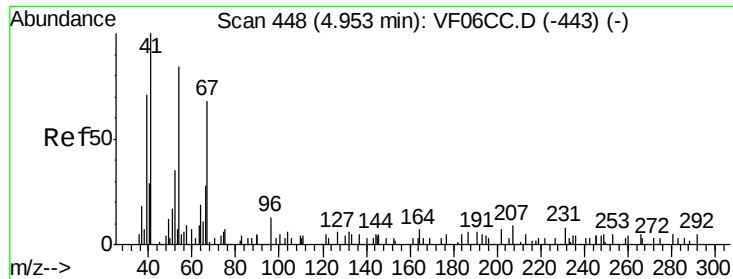
Tot Ion: 83 Resp: 69
Ion Ratio Lower Upper
83 100
55 0.0 61.6 92.4#
98 0.0 37.4 56.2#



#40
Benzene
Concen: 15.373 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 78 Resp: 451
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#

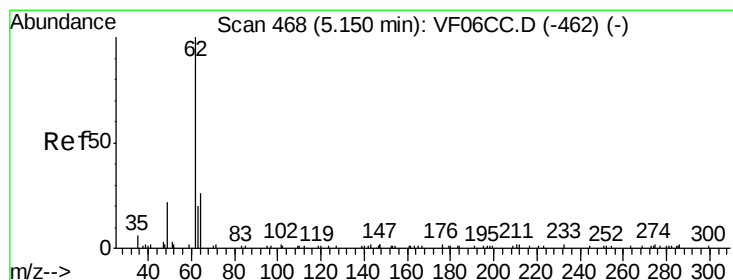
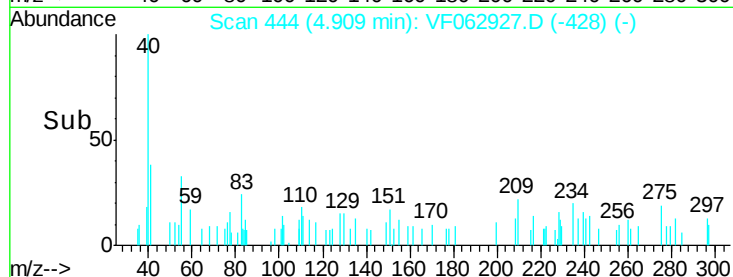
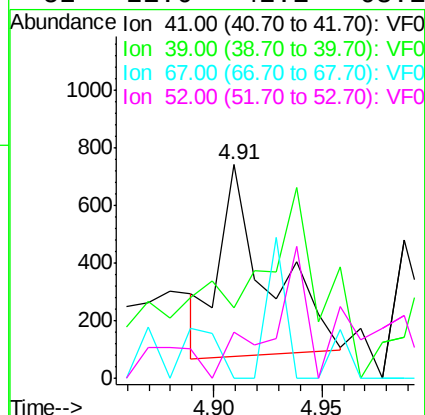
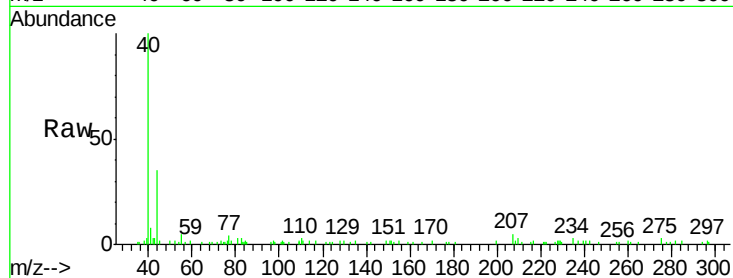




#41
Methacrylonitrile
Concen: 485.017 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.05 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

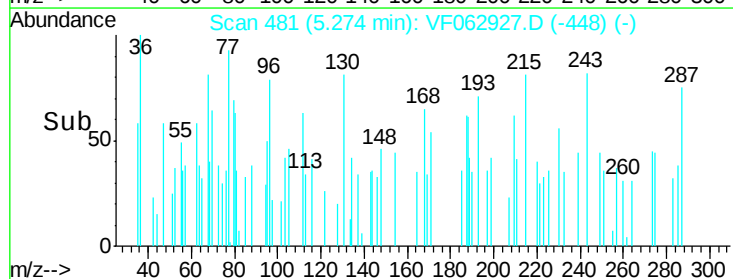
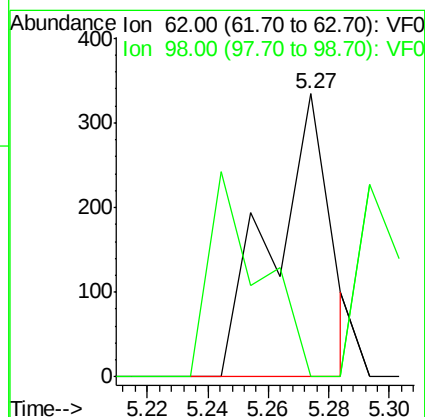
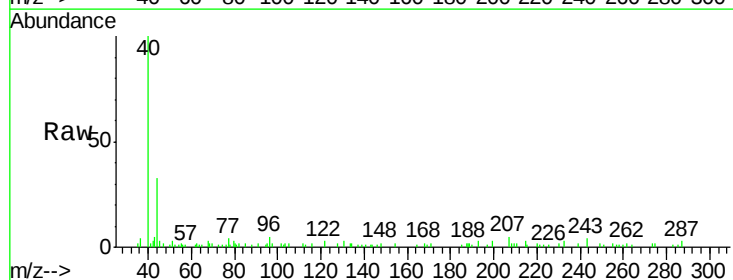
Instrument :
MSVOA_F
ClientSampled :
200030-200034

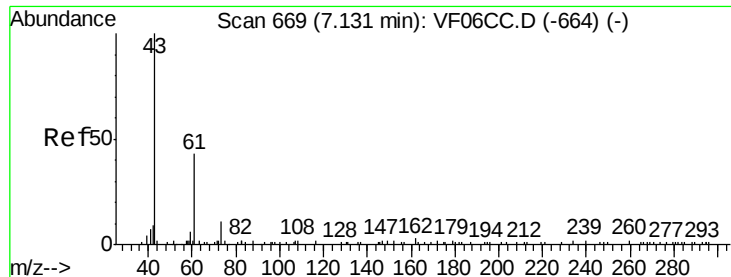
Tot Ion:	41	Resp:	1039
Ion	Ratio	Lower	Upper
41	100		
39	33.1	42.0	63.0#
67	0.0	61.4	92.0#
52	21.6	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 79.035 ug/l
RT: 5.27 min Scan# 481
Delta R.T. 0.12 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion:	62	Resp:	441
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	24.0



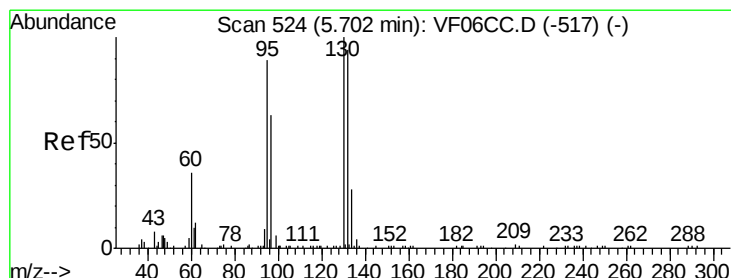
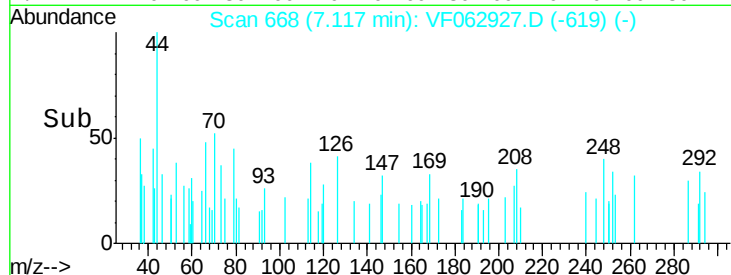
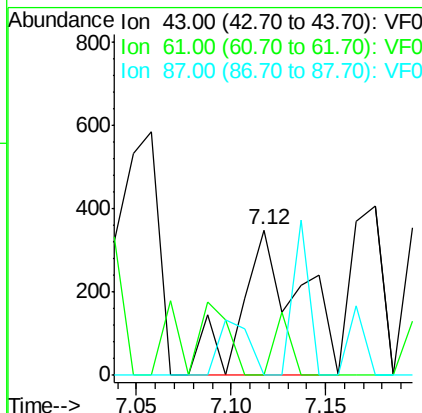
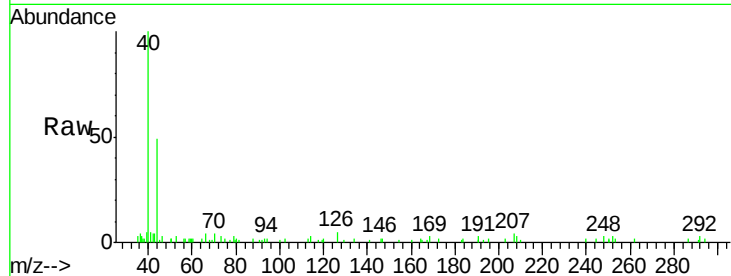


#43

Isopropyl Acetate
 Concen: 149.497 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034

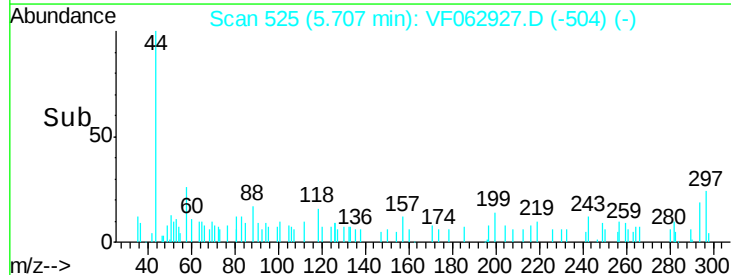
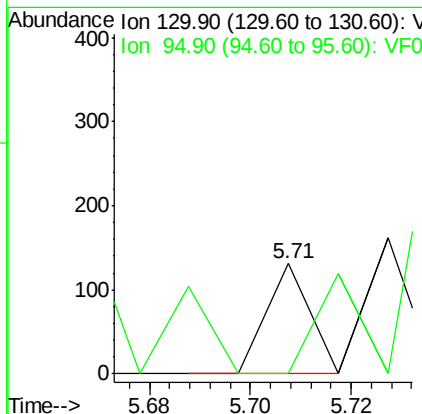
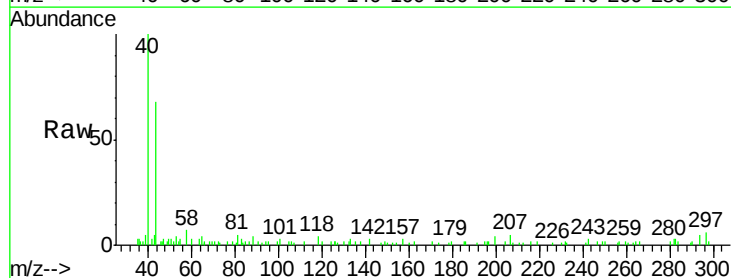
Tot Ion: 43 Resp: 761
 Ion Ratio Lower Upper
 43 100
 61 0.0 29.8 44.6#
 87 0.0 0.3 0.5#

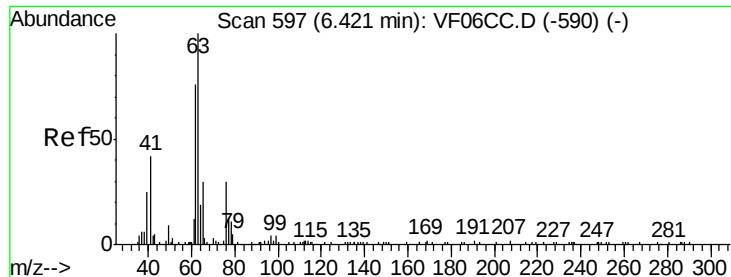


#44

Trichloroethene
 Concen: 9.421 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Tgt Ion: 130 Resp: 78
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 188.2





#45

1,2-Dichloropropane

Concen: 47.676 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.04 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

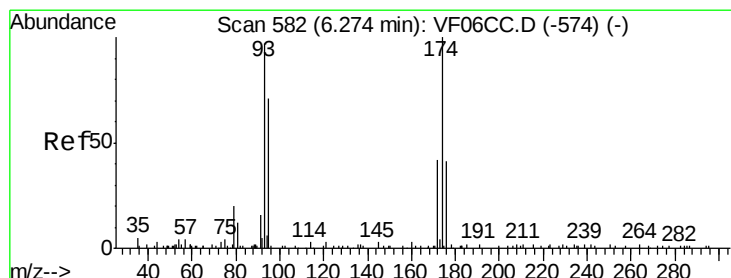
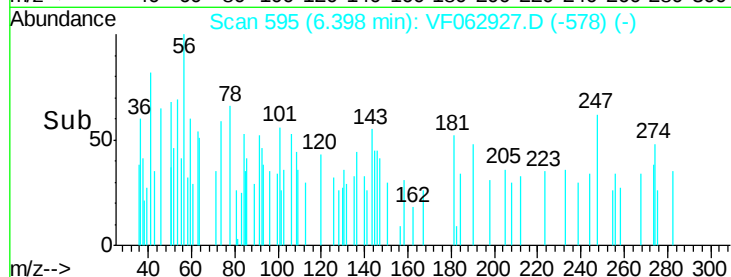
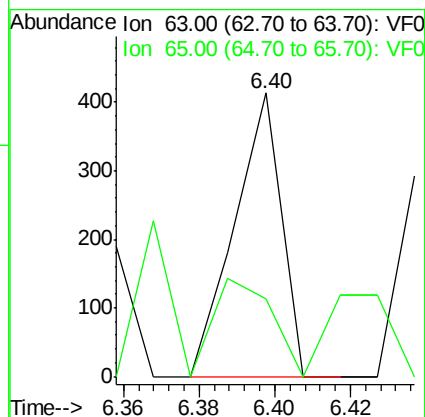
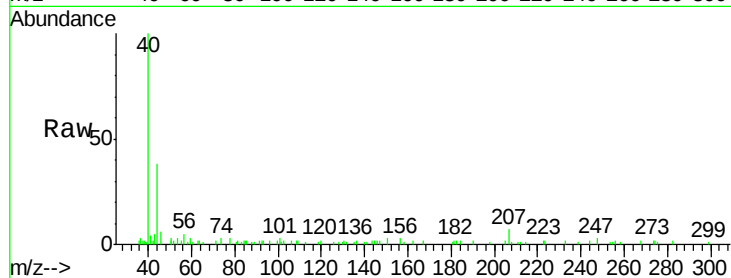
200030-200034

Tot Ion: 63 Resp: 351

Ion Ratio Lower Upper

63 100

65 27.6 24.2 36.2



#46

Dibromomethane

Concen: 62.582 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.04 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

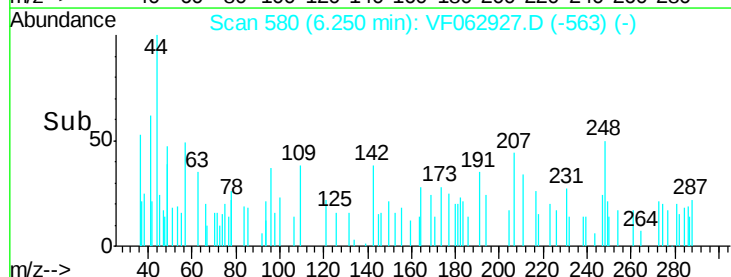
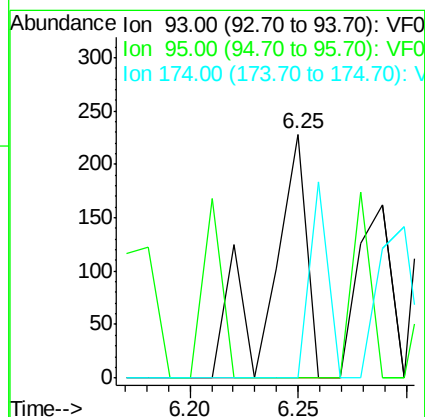
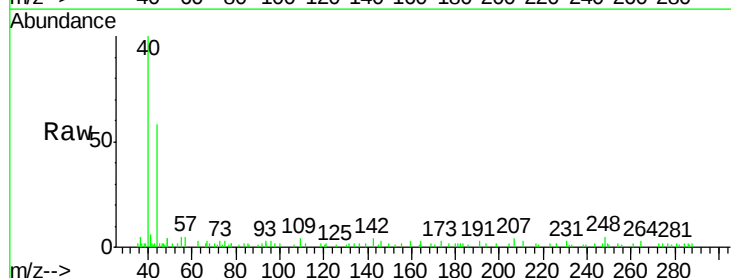
Tgt Ion: 93 Resp: 269

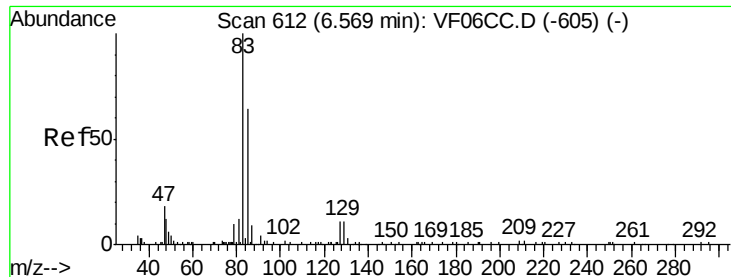
Ion Ratio Lower Upper

93 100

95 0.0 67.9 101.9#

174 0.0 85.0 127.4#





#47

Bromodichloromethane

Concen: 11.423 ug/l

RT: 6.50 min Scan# 605

Delta R.T. -0.09 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

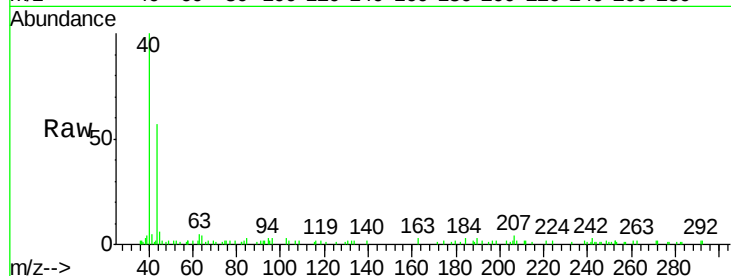
Tot Ion: 83 Resp: 100

Ion Ratio Lower Upper

83 100

85 127.2 54.2 81.4#

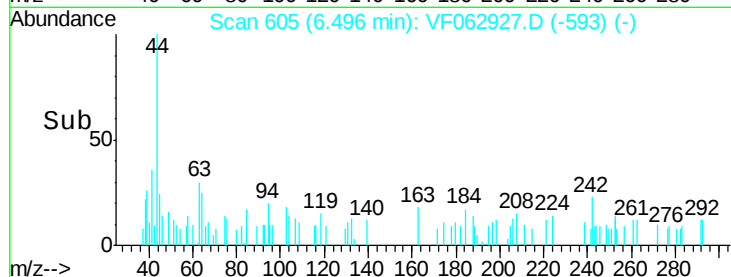
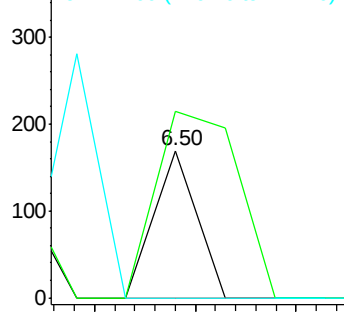
127 0.0 7.0 10.4#



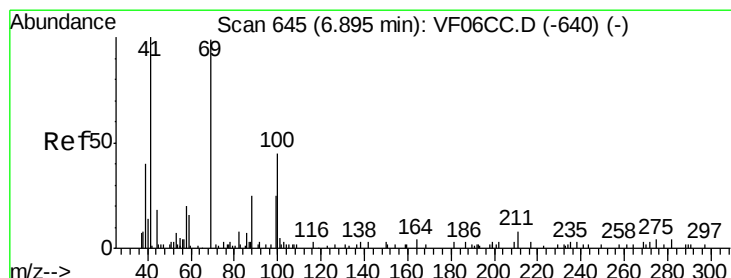
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 432.262 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.06 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

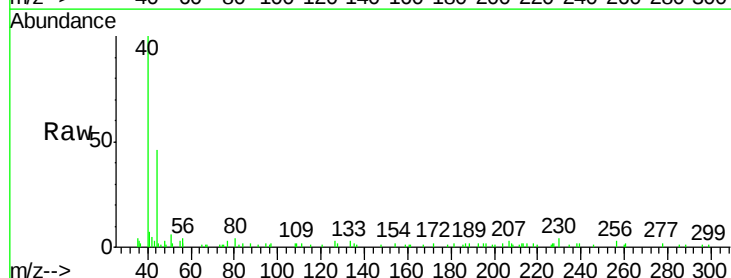
Tgt Ion: 41 Resp: 1134

Ion Ratio Lower Upper

41 100

69 0.0 79.4 119.2#

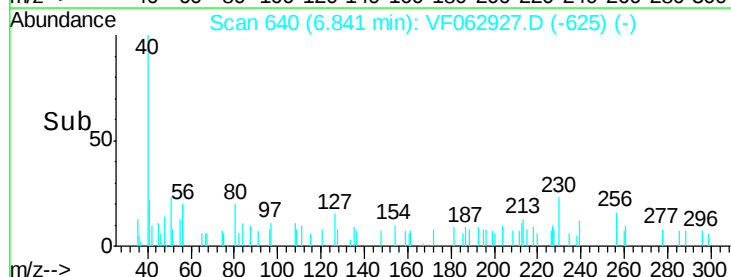
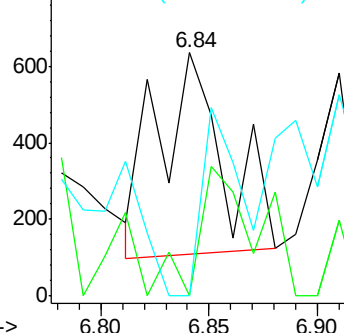
39 0.0 39.8 59.6#



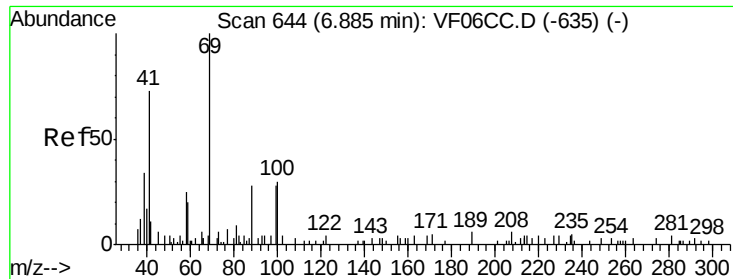
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



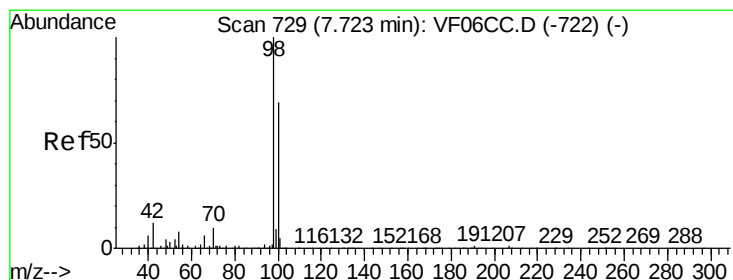
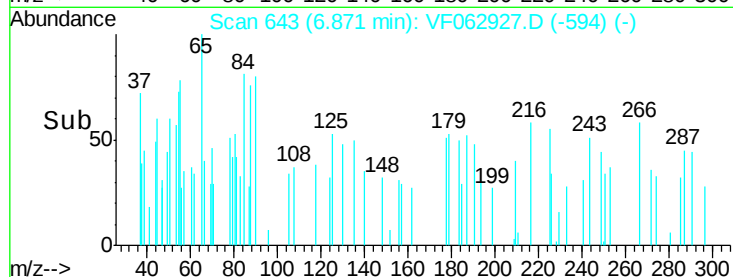
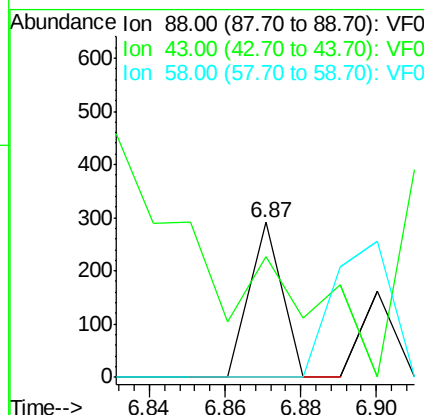
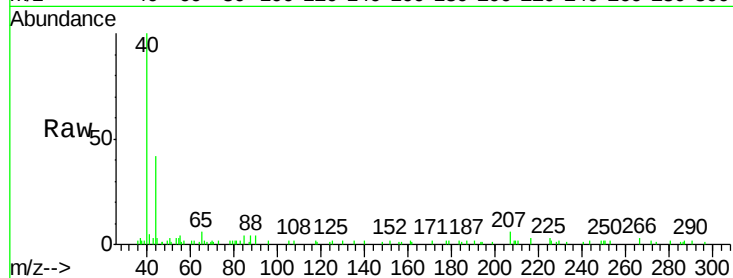
Time-->



#49
1,4-Dioxane
Concen: 4974.050 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

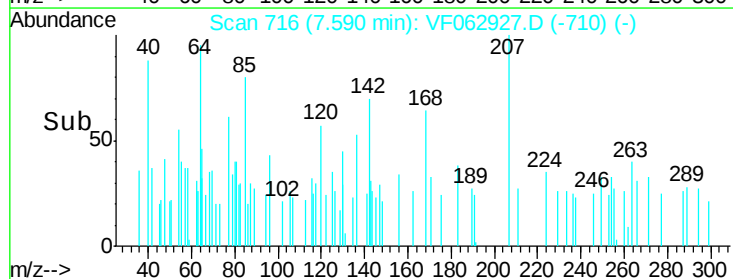
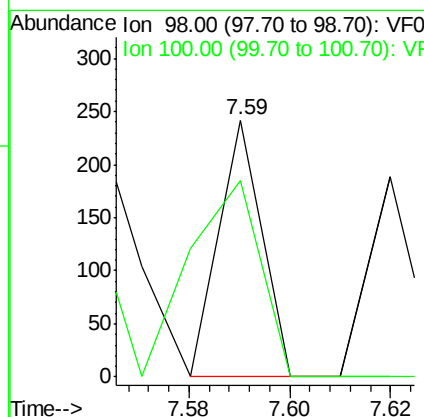
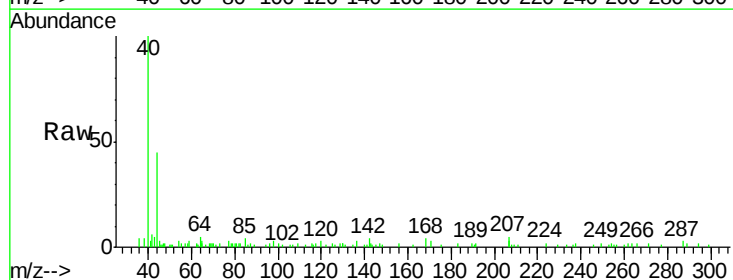
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

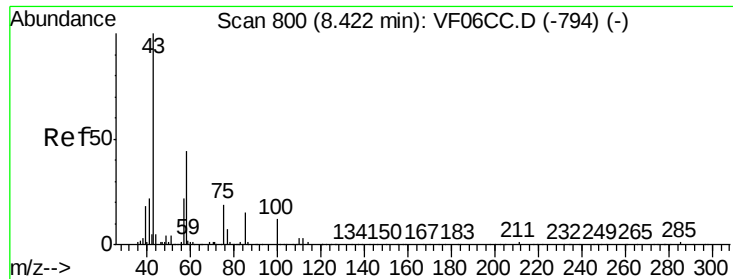
Tot Ion: 88 Resp: 172
Ion Ratio Lower Upper
88 100
43 78.0 34.8 52.2#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 6.834 ug/l
RT: 7.59 min Scan# 716
Delta R.T. -0.14 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 98 Resp: 143
Ion Ratio Lower Upper
98 100
100 76.4 59.8 89.8

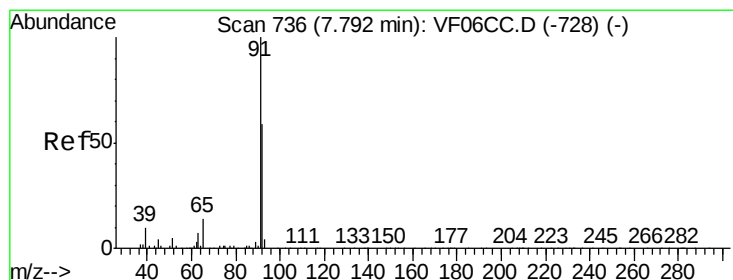
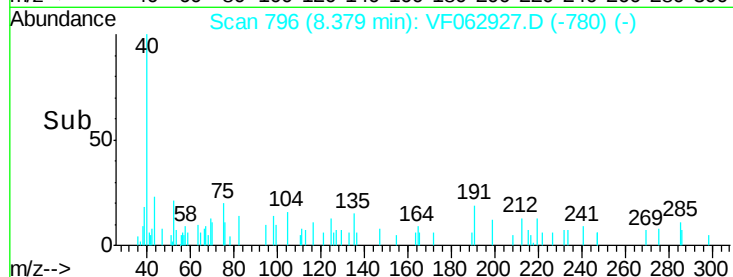
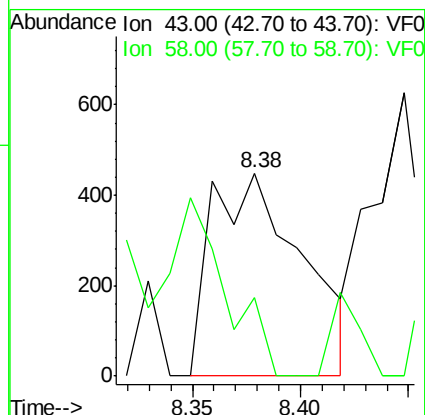
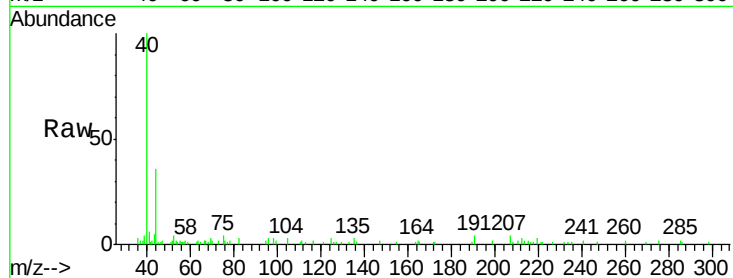




#51
4-Methyl-2-Pentanone
Concen: 359.085 ug/l
RT: 8.38 min Scan# 796
Delta R.T. -0.05 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

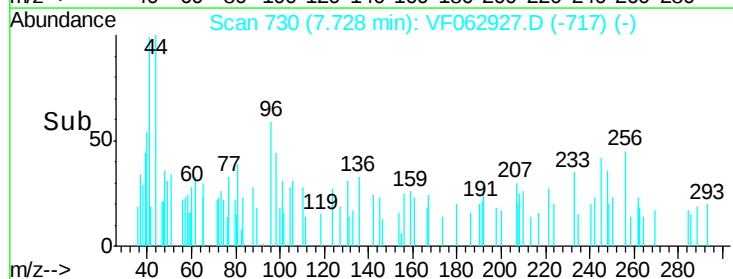
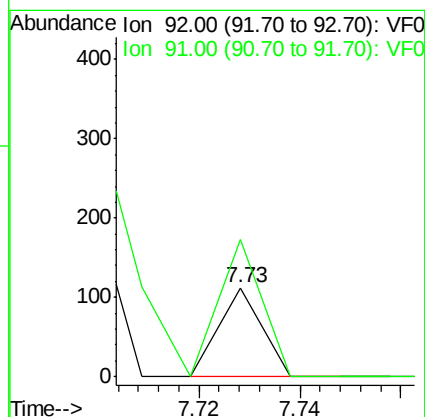
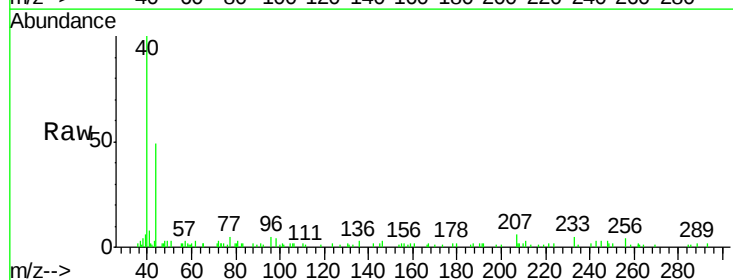
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

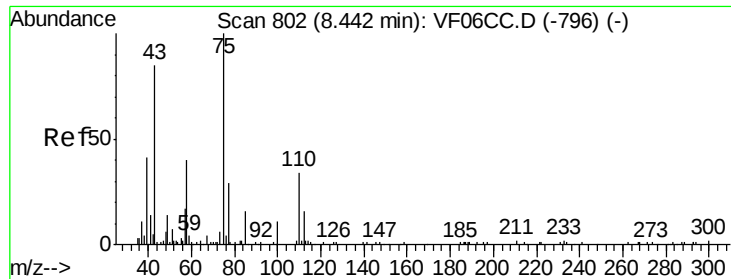
Tot Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 38.8 35.5 53.3



#52
Toluene
Concen: 4.177 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.08 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 92 Resp: 66
Ion Ratio Lower Upper
92 100
91 154.5 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 173.423 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.07 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

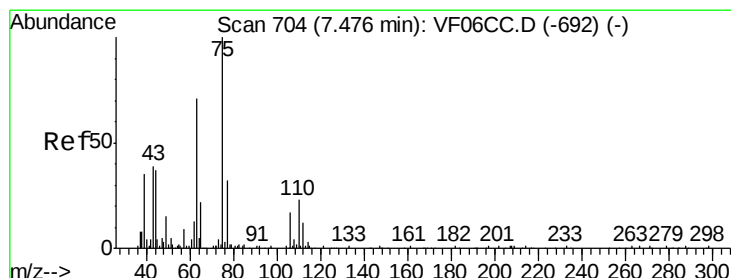
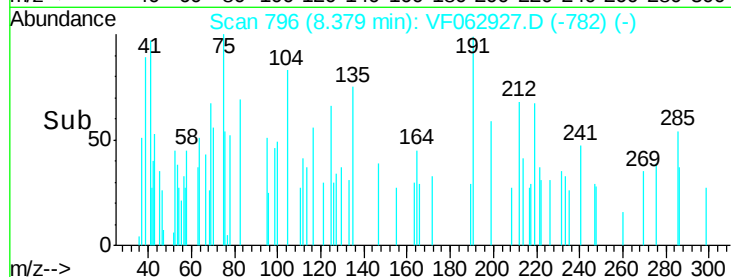
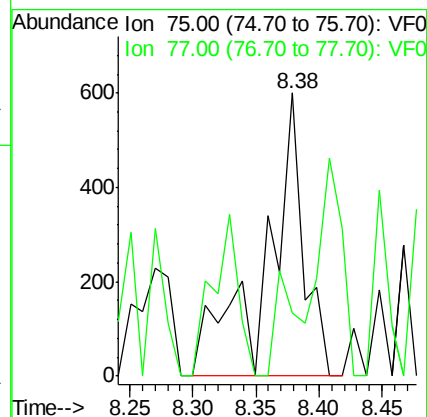
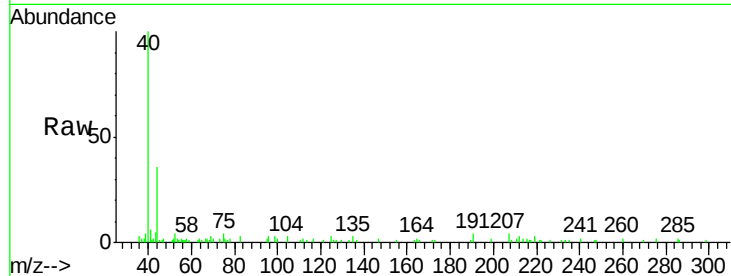
200030-200034

Tot Ion: 75 Resp: 1258

Ion Ratio Lower Upper

75 100

77 22.5 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 38.095 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

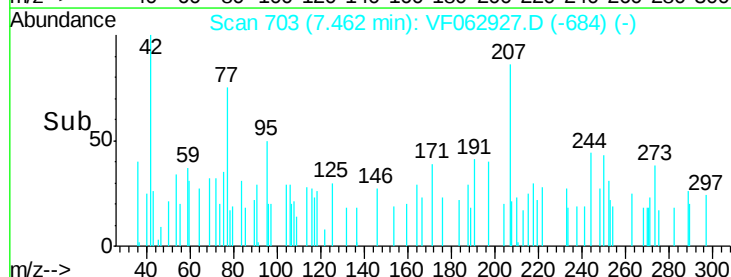
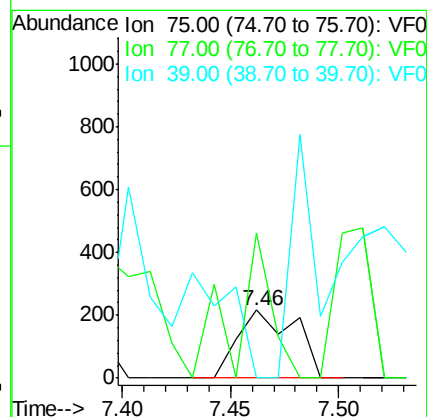
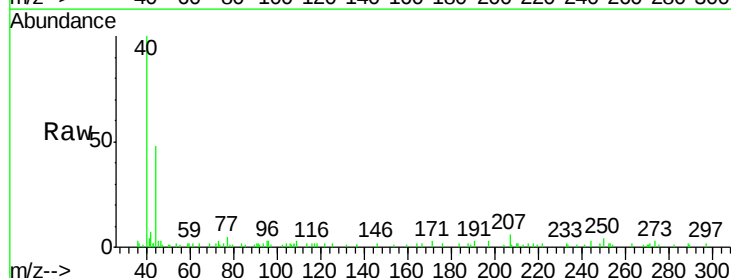
Tgt Ion: 75 Resp: 400

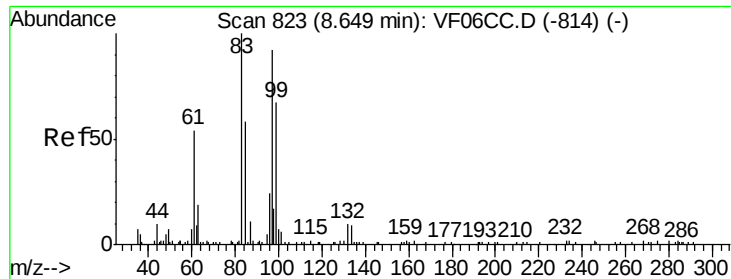
Ion Ratio Lower Upper

75 100

77 212.9 25.8 38.8#

39 0.0 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 31.775 ug/l

RT: 8.58 min Scan# 816

Delta R.T. -0.08 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

Tot Ion: 97 Resp: 150

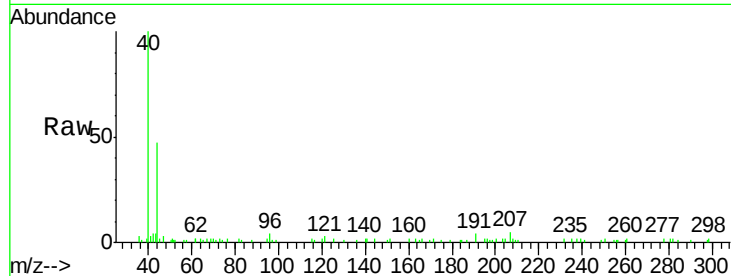
Ion Ratio Lower Upper

97 100

83 79.0 72.0 108.0

85 0.0 47.5 71.3#

99 100.7 54.1 81.1#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

500

400

300

200

100

0

8.55

8.60

8.65

8.70

8.75

8.80

8.85

8.90

8.95

9.00

9.05

9.10

9.15

9.20

9.25

9.30

9.35

9.40

9.45

9.50

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

10.05

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

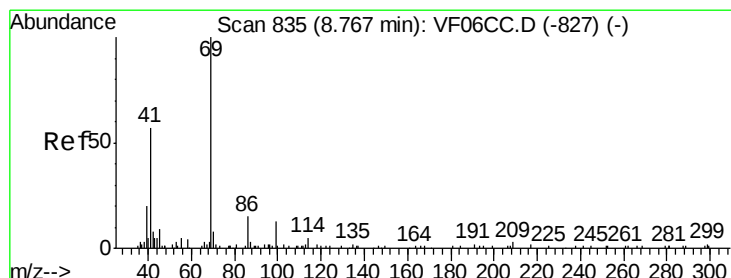
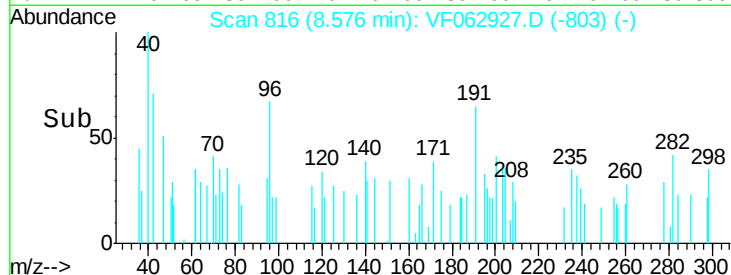
10.80

10.85

10.90

10.95

11.00



#56

Ethyl methacrylate

Concen: 45.013 ug/l

RT: 8.71 min Scan# 830

Delta R.T. -0.07 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

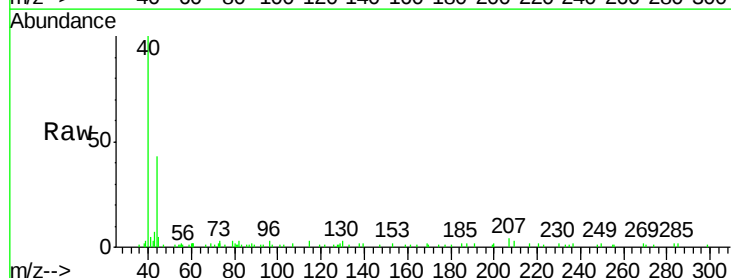
Tgt Ion: 69 Resp: 228

Ion Ratio Lower Upper

69 100

41 264.4 46.6 69.8#

39 154.1 19.6 29.4#



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

600

400

200

0

8.68

8.70

8.72

8.74

8.76

8.78

8.80

8.82

8.84

8.86

8.88

8.90

8.92

8.94

8.96

8.98

9.00

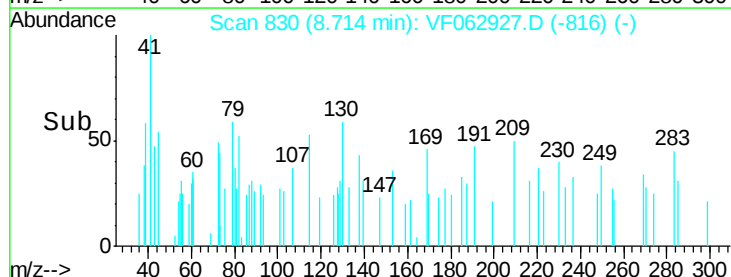
9.02

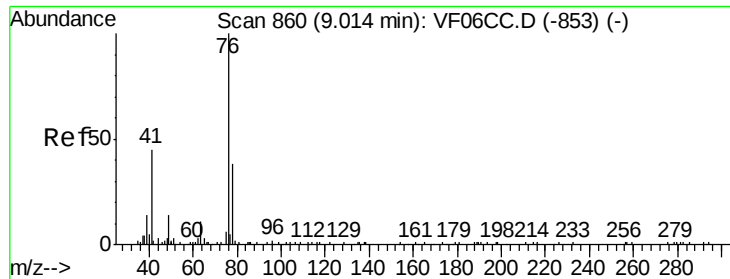
9.04

9.06

9.08

9.10





#57

1,3-Dichloropropane

Concen: 50.460 ug/l

RT: 9.04 min Scan# 863

Delta R.T. 0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

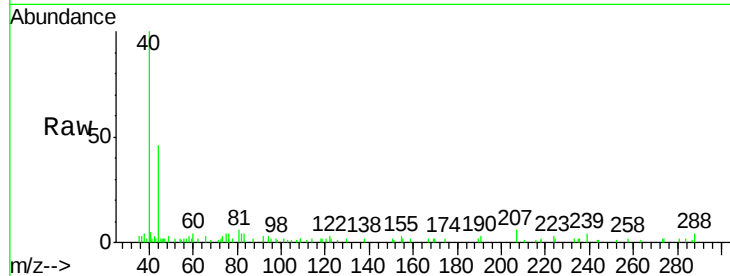
200030-200034

Tot Ion: 76 Resp: 389

Ion Ratio Lower Upper

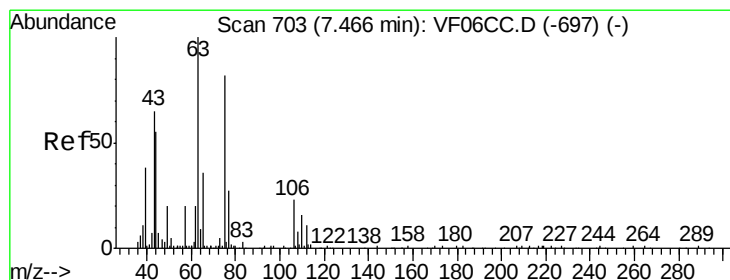
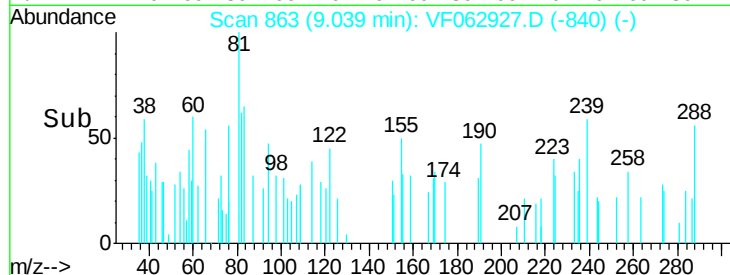
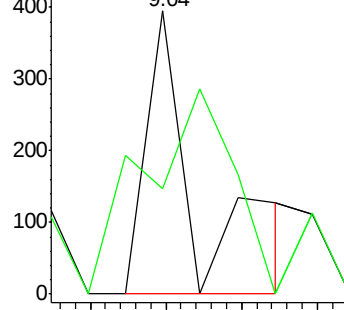
76 100

78 37.2 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 370.007 ug/l

RT: 7.31 min Scan# 688

Delta R.T. -0.15 min

Lab File: VF062927.D

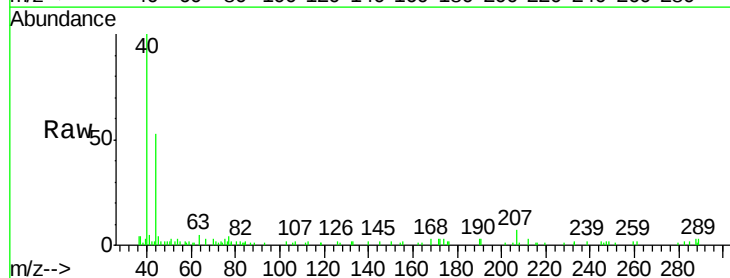
Acq: 12 Jun 2019 15:03

Tgt Ion: 63 Resp: 655

Ion Ratio Lower Upper

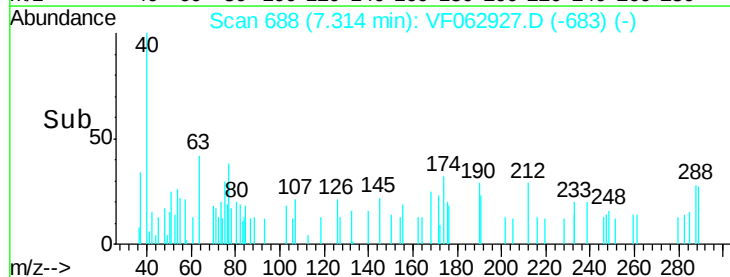
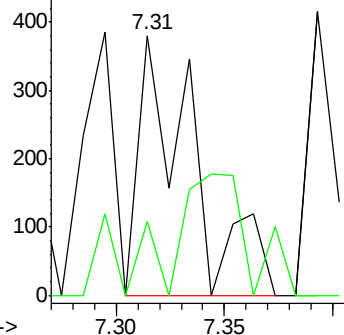
63 100

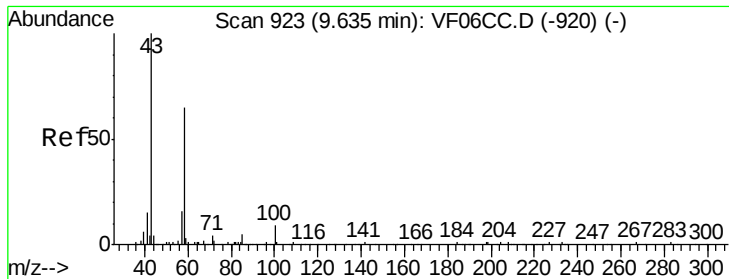
106 28.4 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

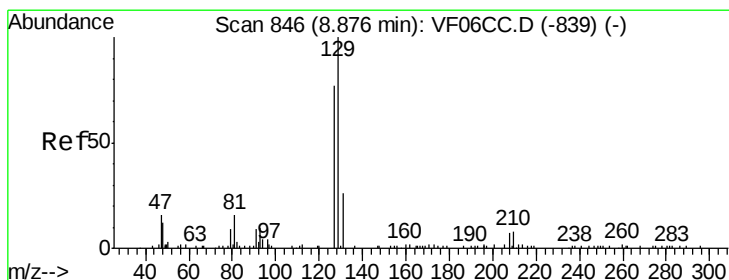
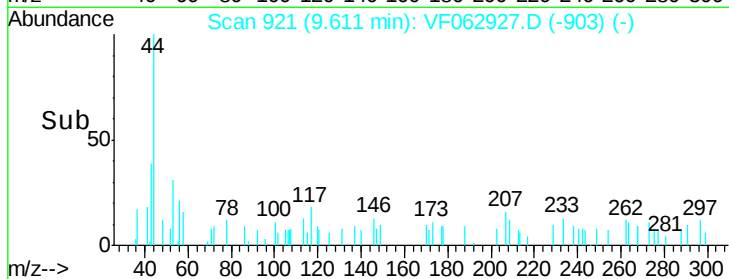
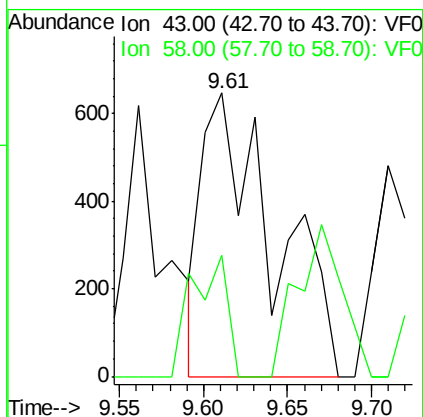
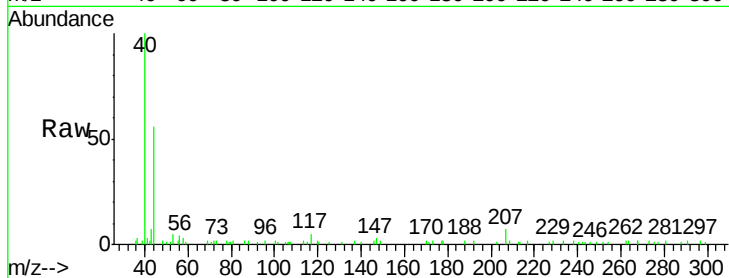




#59
2-Hexanone
Concen: 735.031 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.03 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

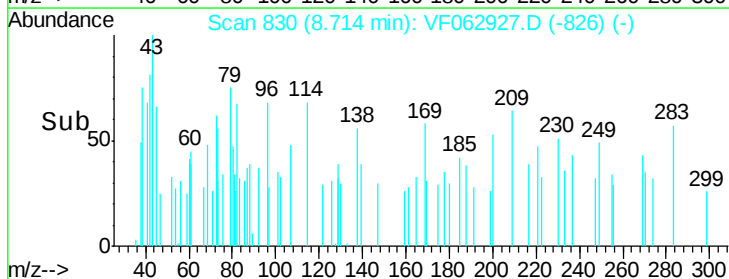
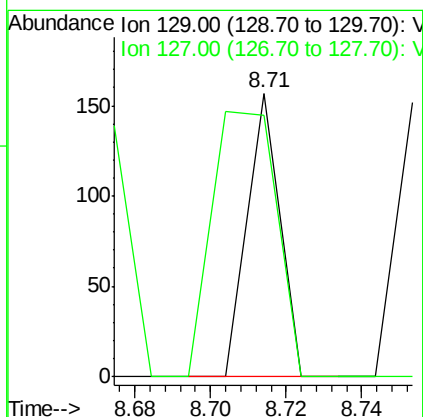
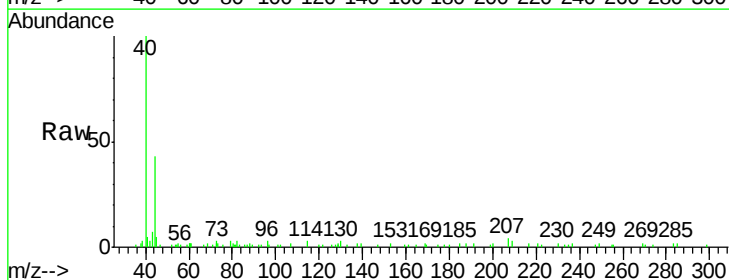
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

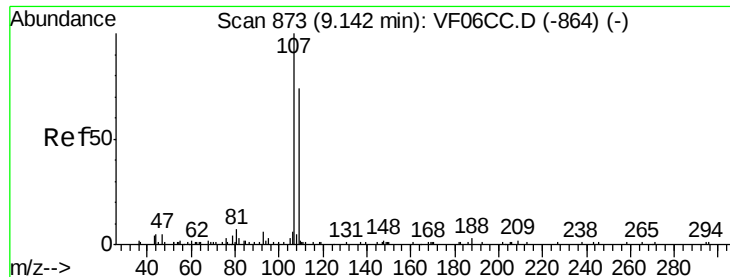
Tot Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
58 42.5 29.3 87.9



#60
Dibromochloromethane
Concen: 15.912 ug/l
RT: 8.71 min Scan# 830
Delta R.T. -0.16 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 129 Resp: 93
Ion Ratio Lower Upper
129 100
127 92.4 37.1 111.3





#61

1,2-Dibromoethane

Concen: 68.941 ug/l

RT: 9.04 min Scan# 863

Delta R.T. -0.11 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

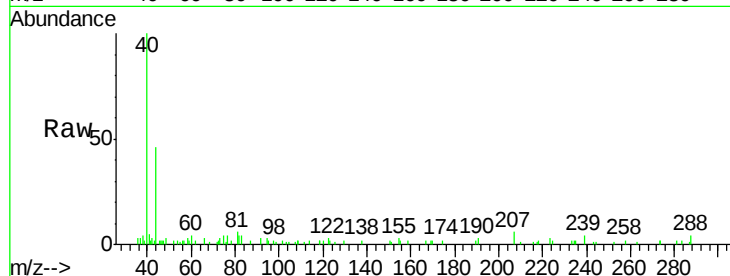
200030-200034

Tot Ion:107 Resp: 338

Ion Ratio Lower Upper

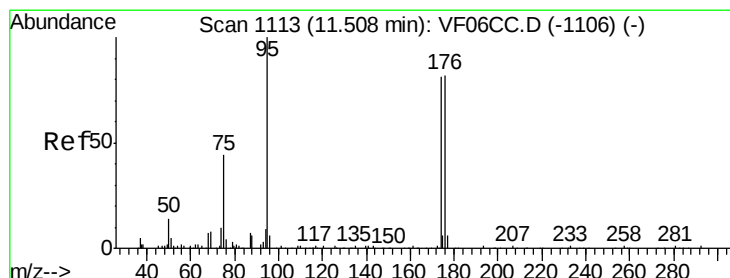
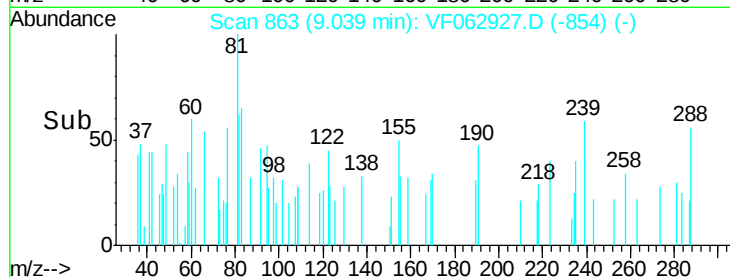
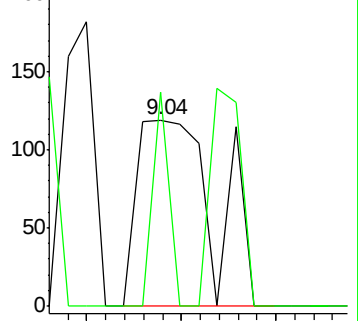
107 100

109 115.1 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 23.782 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.05 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

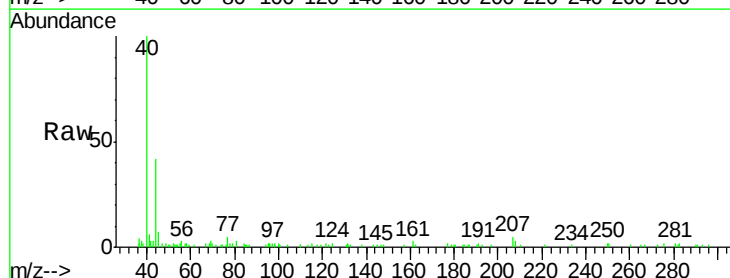
Tgt Ion: 95 Resp: 179

Ion Ratio Lower Upper

95 100

174 0.0 0.0 170.6

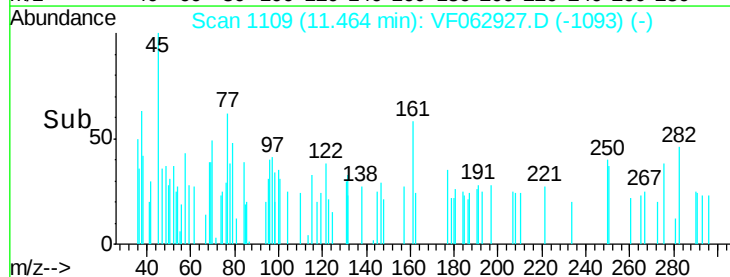
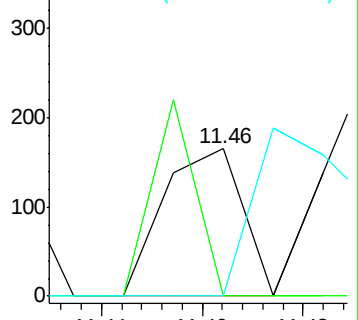
176 0.0 0.0 170.6

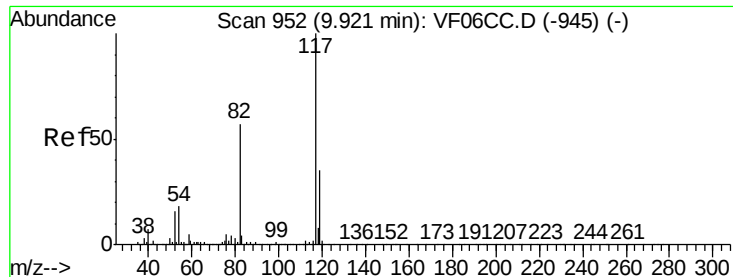


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.86 min Scan# 946

Delta R.T. -0.08 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

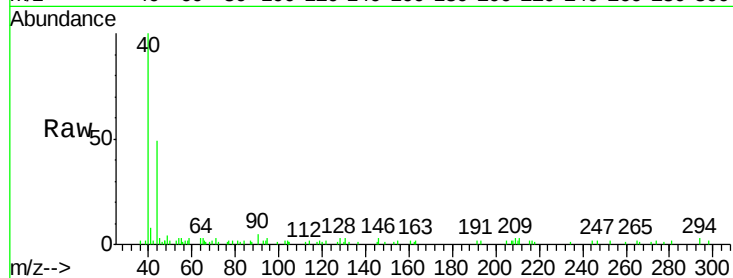
Tot Ion:117 Resp: 66

Ion Ratio Lower Upper

117 100

82 101.8 42.4 63.6#

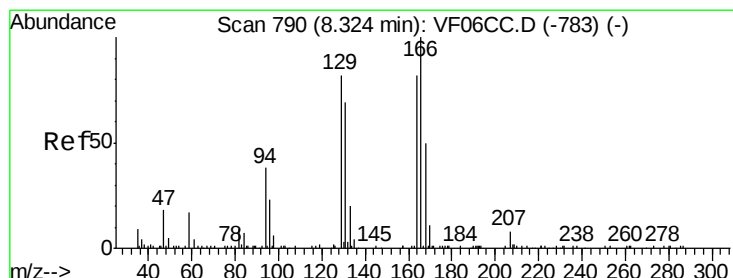
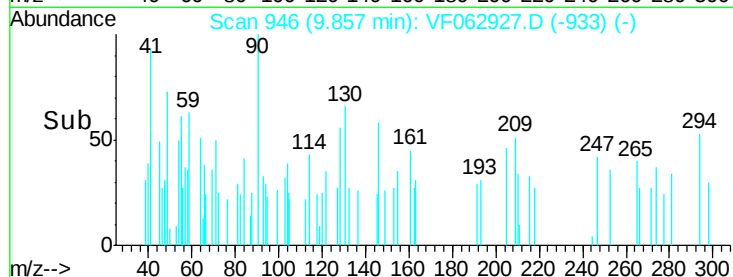
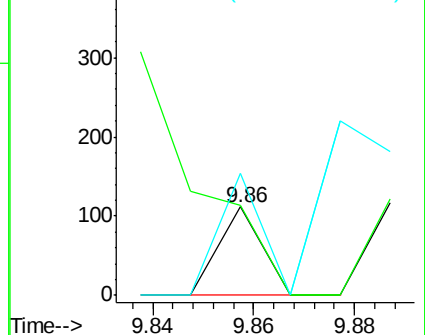
119 137.5 27.1 40.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 126.191 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Tgt Ion:164 Resp: 64

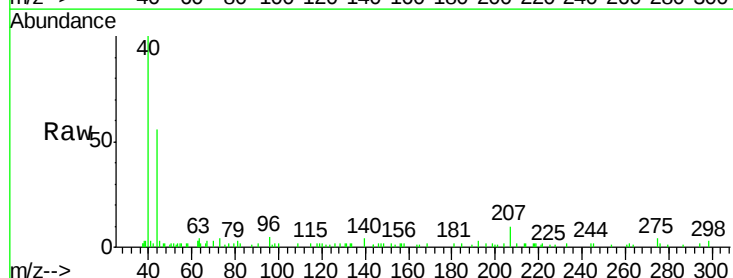
Ion Ratio Lower Upper

164 100

166 0.0 99.1 148.7#

129 0.0 69.5 104.3#

131 258.3 69.2 103.8#

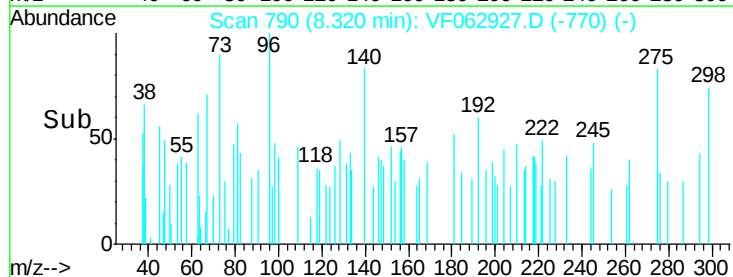
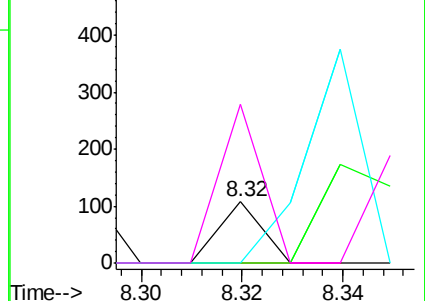


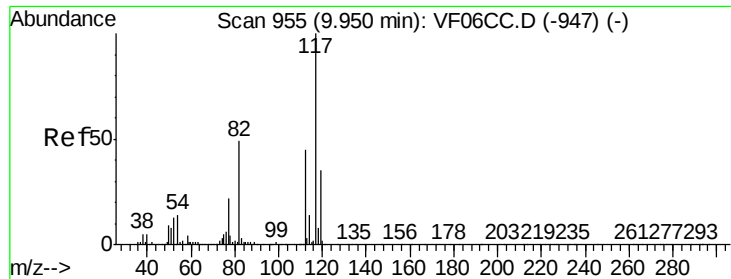
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

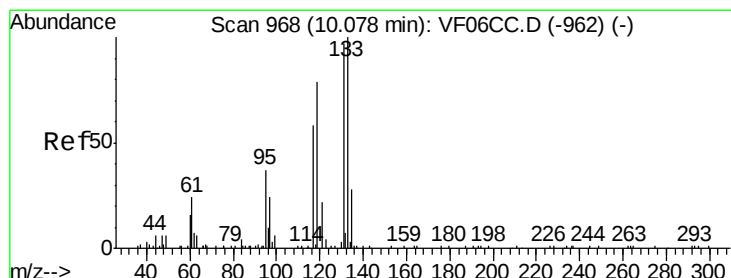
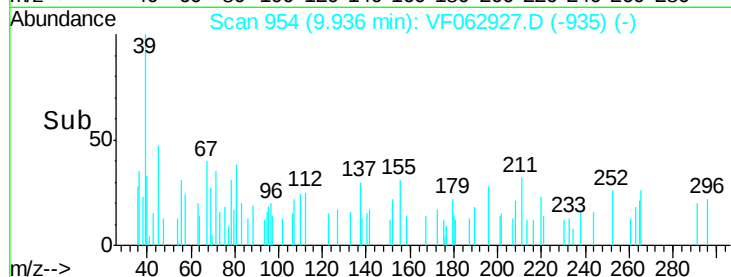
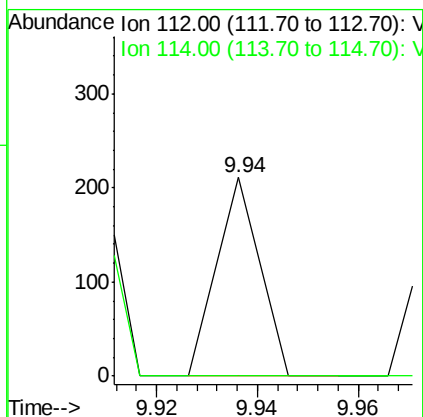
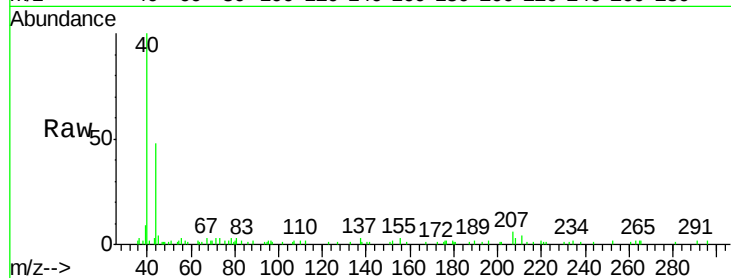




#65
Chlorobenzene
Concen: 98.073 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

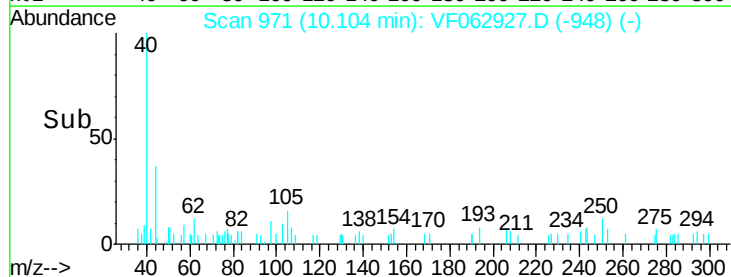
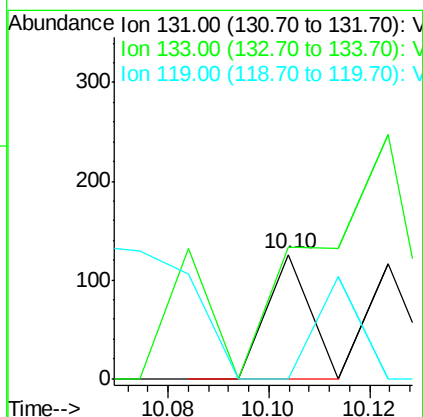
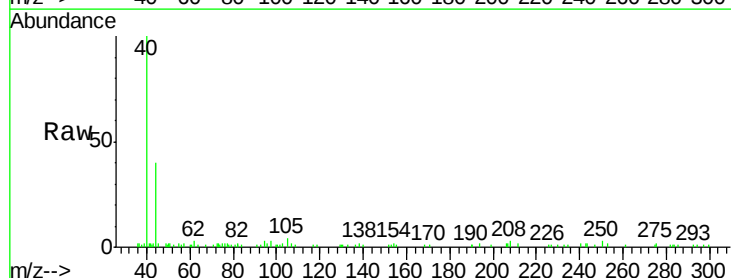
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

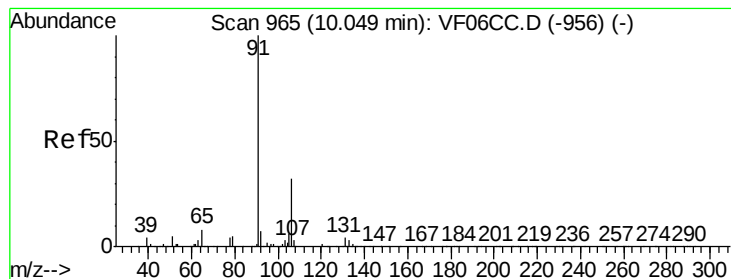
Tot Ion:112 Resp: 125
Ion Ratio Lower Upper
112 100
114 0.0 27.4 41.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 147.753 ug/l
RT: 10.10 min Scan# 971
Delta R.T. 0.02 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion:131 Resp: 75
Ion Ratio Lower Upper
131 100
133 105.6 48.9 146.7
119 0.0 38.0 114.0#





#67

Ethyl Benzene

Concen: 69.952 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

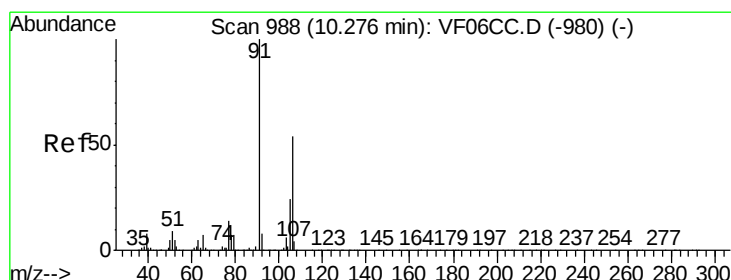
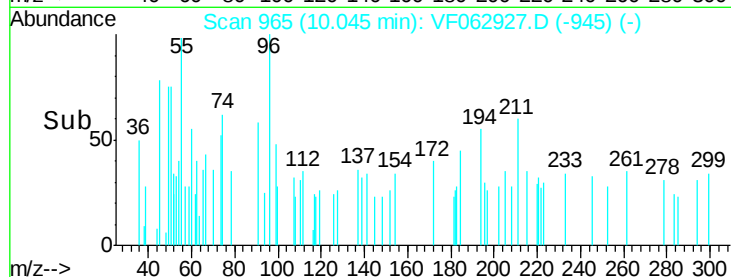
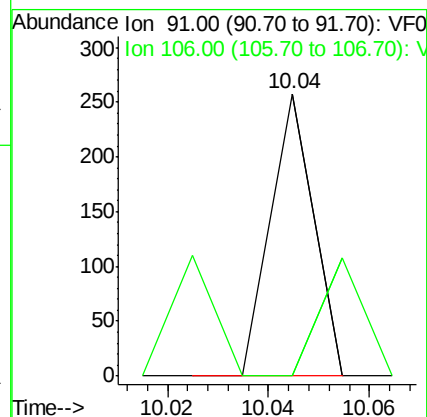
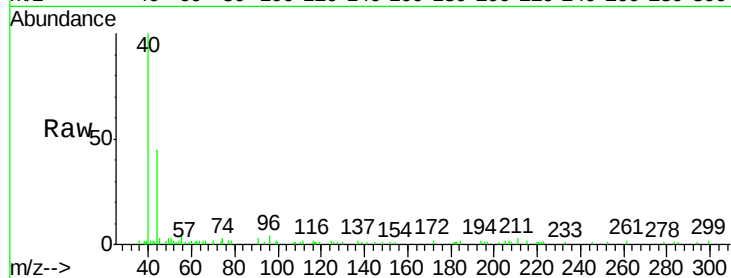
200030-200034

Tot Ion: 91 Resp: 153

Ion Ratio Lower Upper

91 100

106 0.0 26.0 39.0#



#68

m/p-Xylenes

Concen: 326.179 ug/l

RT: 10.23 min Scan# 984

Delta R.T. -0.05 min

Lab File: VF062927.D

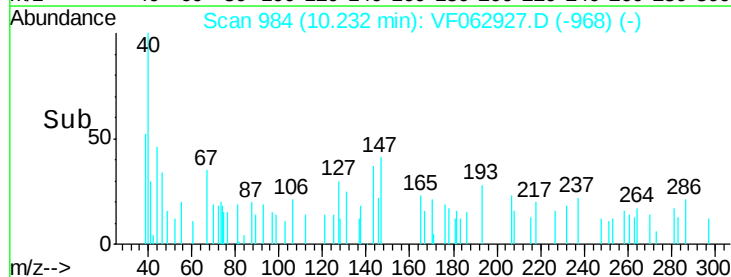
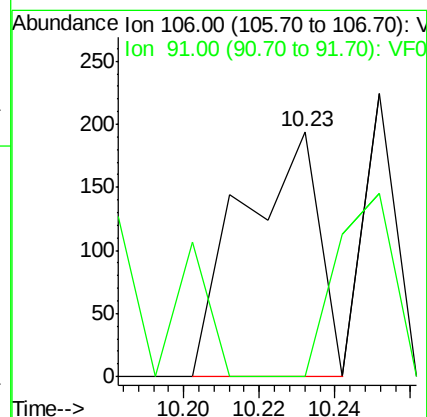
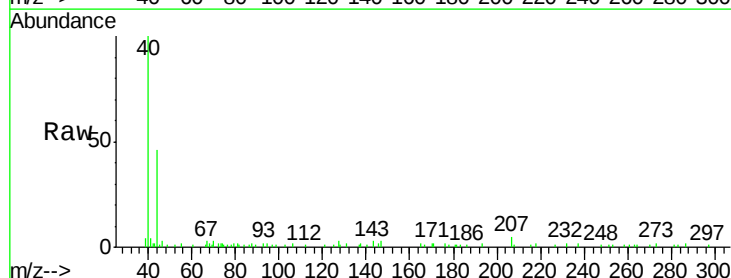
Acq: 12 Jun 2019 15:03

Tgt Ion: 106 Resp: 273

Ion Ratio Lower Upper

106 100

91 0.0 136.2 204.4#

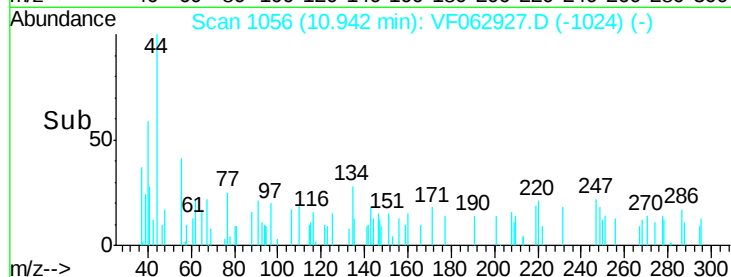
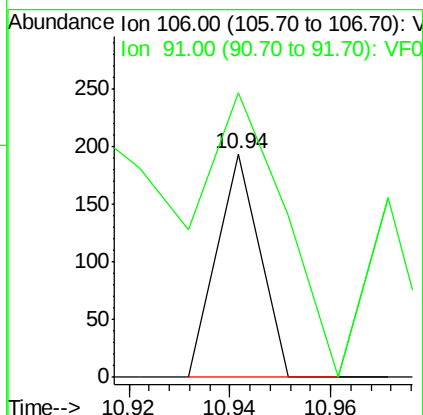
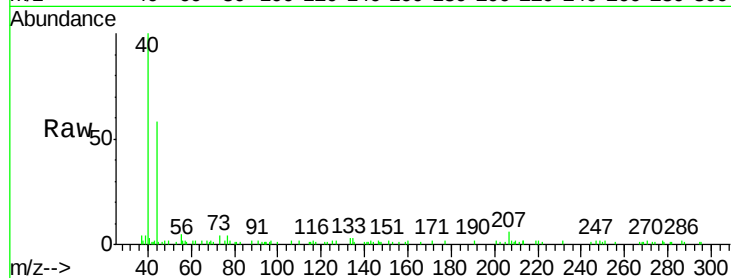




#69
o-Xylene
Concen: 134.530 ug/l
RT: 10.94 min Scan# 1056
Delta R.T. 0.11 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

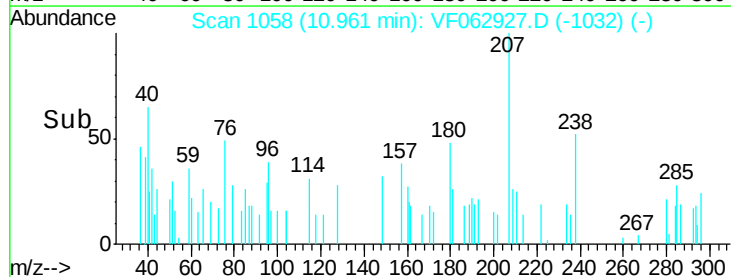
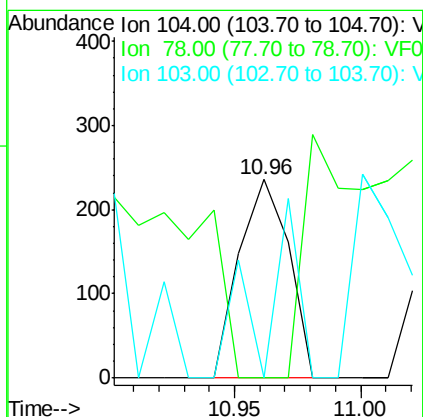
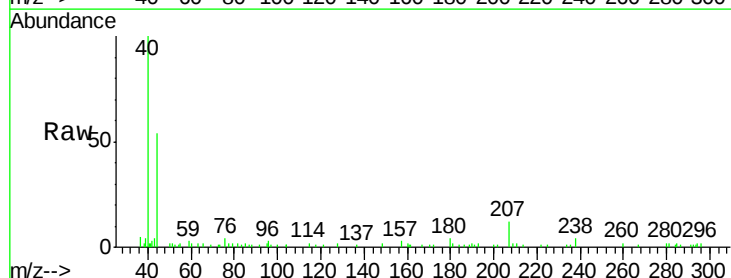
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

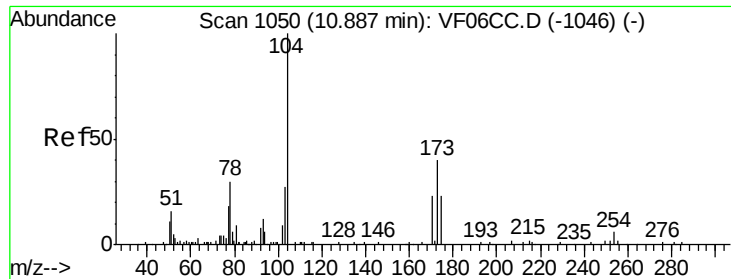
Tot Ion:106 Resp: 114
Ion Ratio Lower Upper
106 100
91 127.5 96.6 289.8



#70
Styrene
Concen: 258.605 ug/l
RT: 10.96 min Scan# 1058
Delta R.T. 0.05 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion:104 Resp: 323
Ion Ratio Lower Upper
104 100
78 0.0 30.8 46.2#
103 0.0 35.8 53.6#





#71

Bromoform

Concen: 583.145 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.04 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

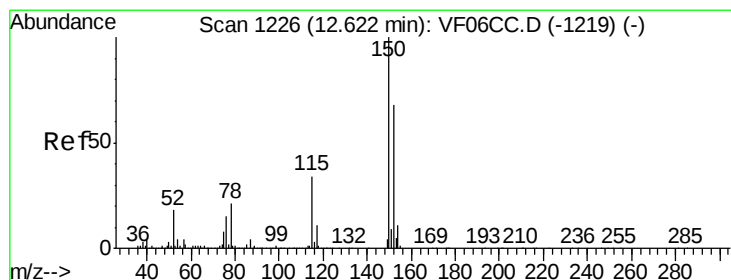
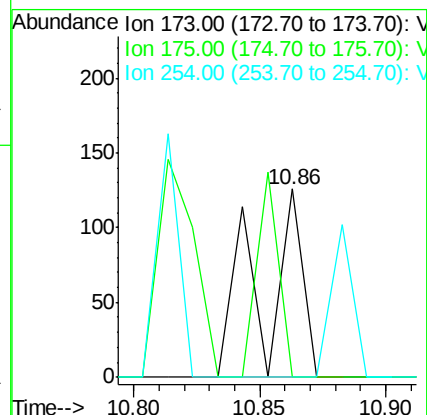
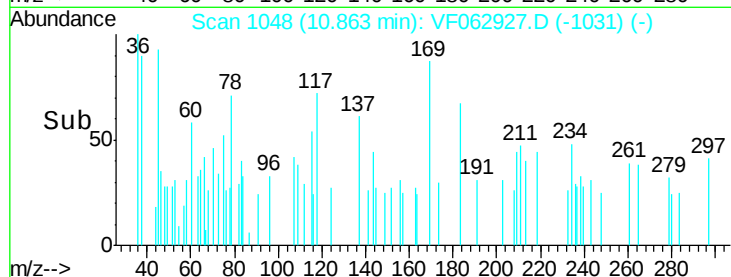
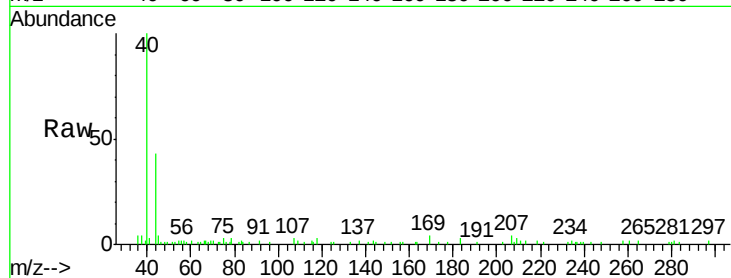
Tot Ion:173 Resp: 142

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

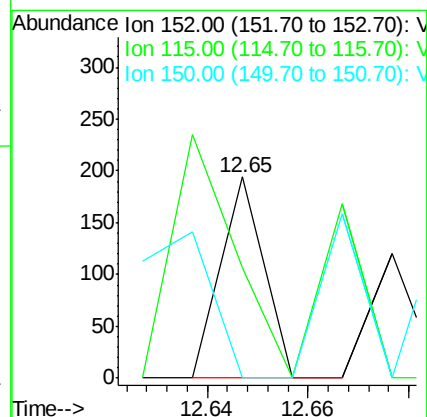
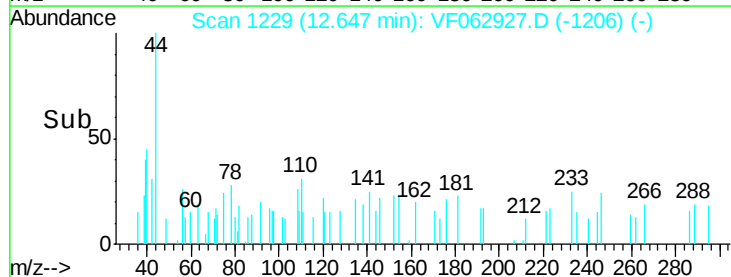
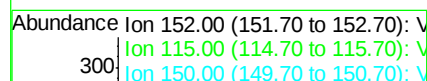
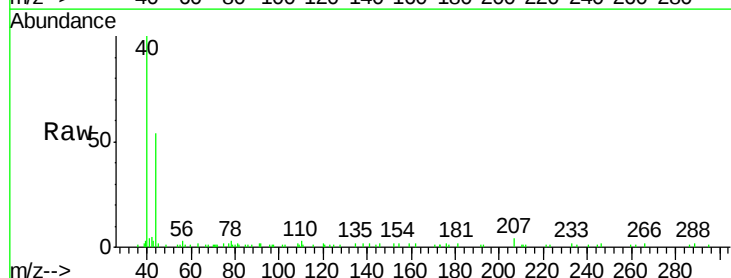
Tgt Ion:152 Resp: 115

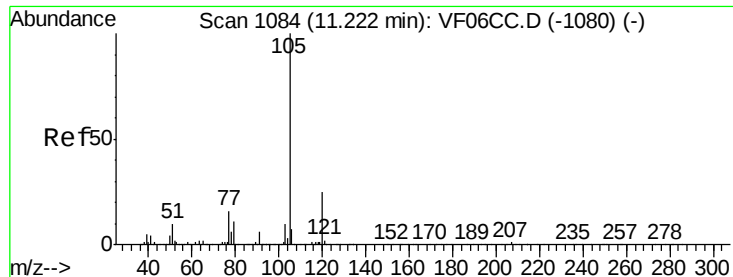
Ion Ratio Lower Upper

152 100

115 55.2 24.6 74.0

150 0.0 0.0 290.6





#73

Isopropylbenzene

Concen: 17.946 ug/l

RT: 11.28 min Scan# 1090

Delta R.T. 0.04 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

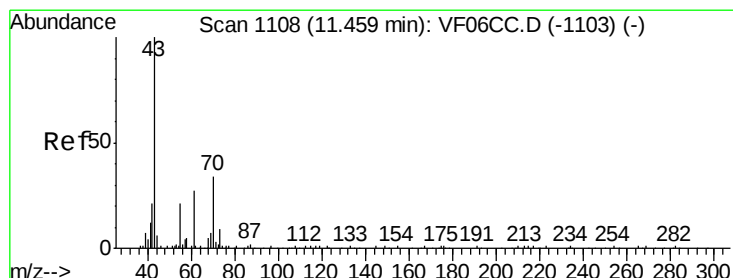
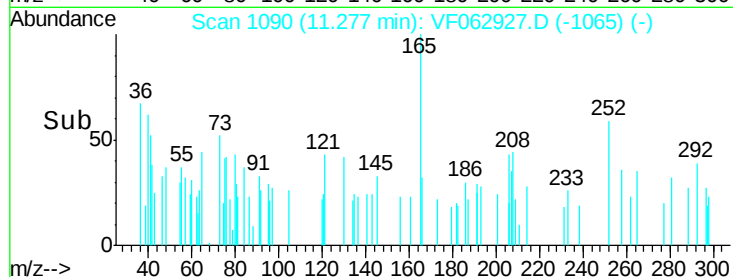
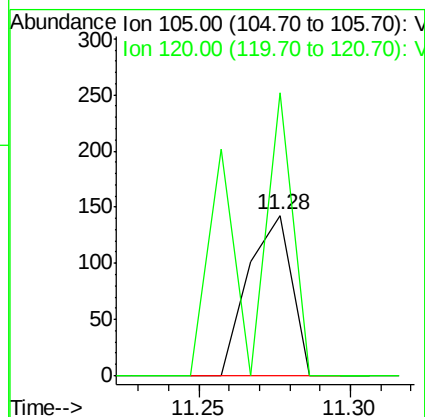
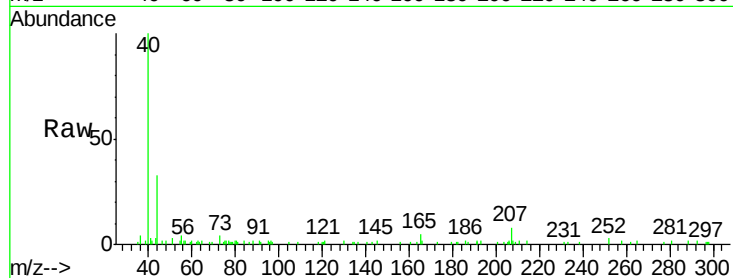
200030-200034

Tot Ion:105 Resp: 144

Ion Ratio Lower Upper

105 100

120 176.2 15.1 45.3#



#74

N-ethyl acetate

Concen: 368.328 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Tgt Ion: 43 Resp: 833

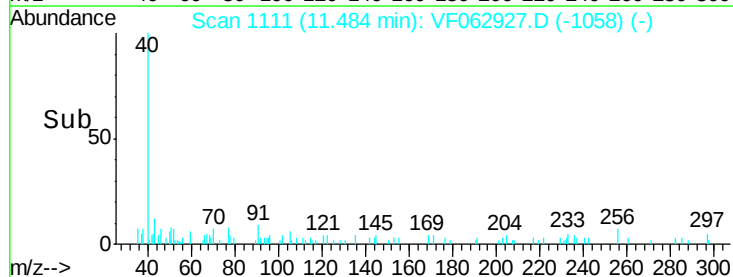
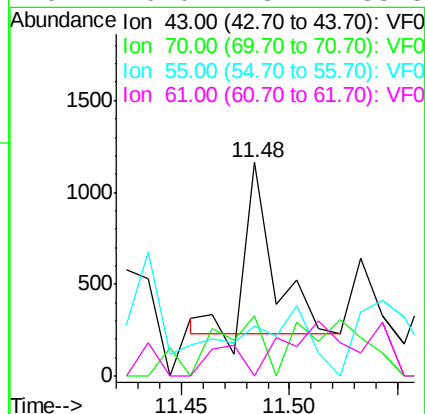
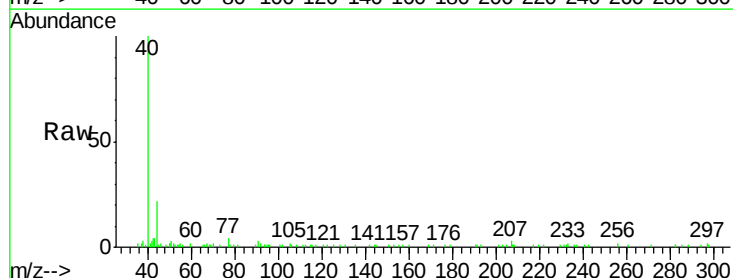
Ion Ratio Lower Upper

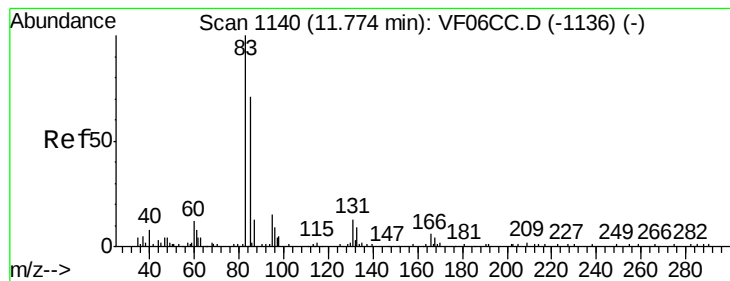
43 100

70 28.3 32.9 49.3#

55 23.2 17.3 25.9

61 0.0 23.7 35.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 72.946 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

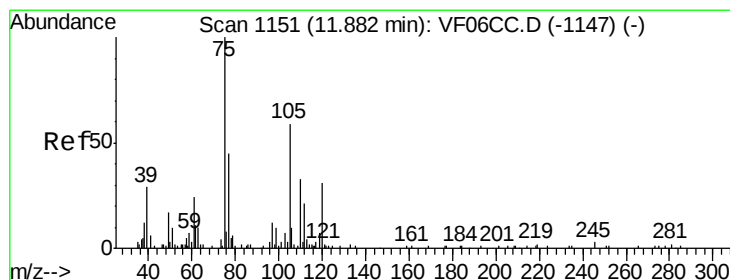
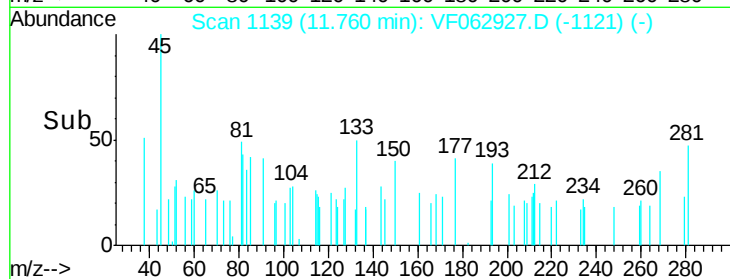
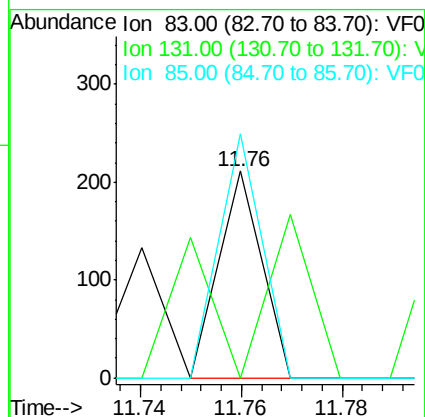
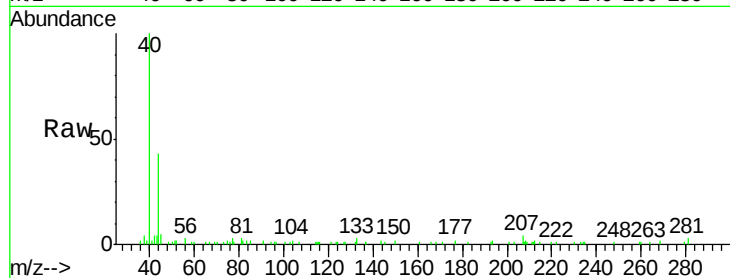
Tot Ion: 83 Resp: 125

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 118.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 271.159 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.06 min

Lab File: VF062927.D

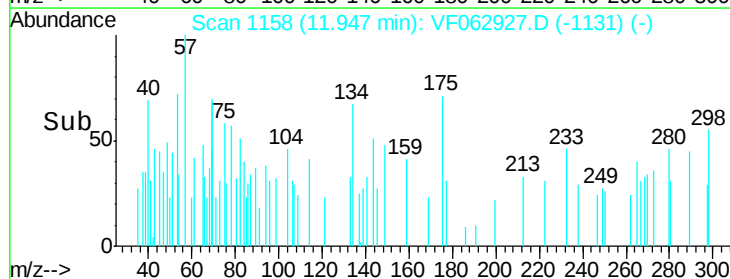
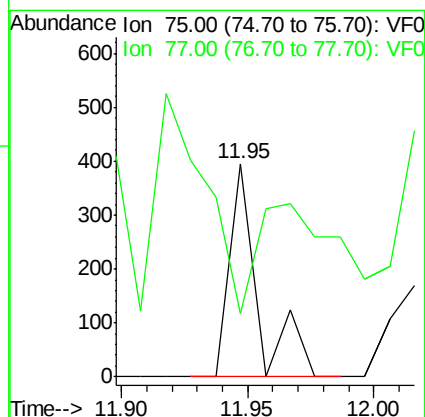
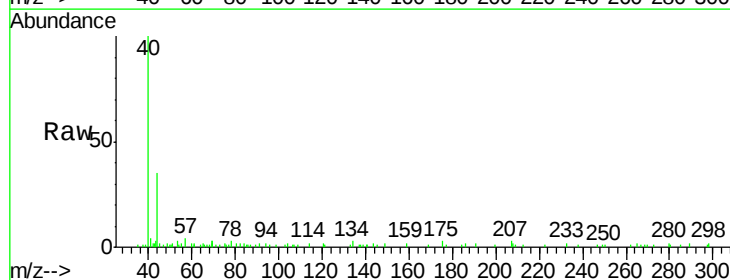
Acq: 12 Jun 2019 15:03

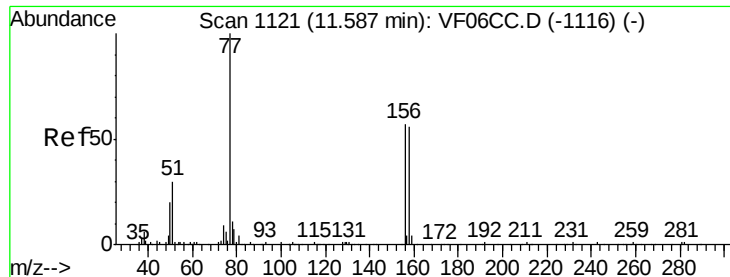
Tgt Ion: 75 Resp: 308

Ion Ratio Lower Upper

75 100

77 29.8 20.1 60.2





#77

Bromobenzene

Concen: 78.863 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.04 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

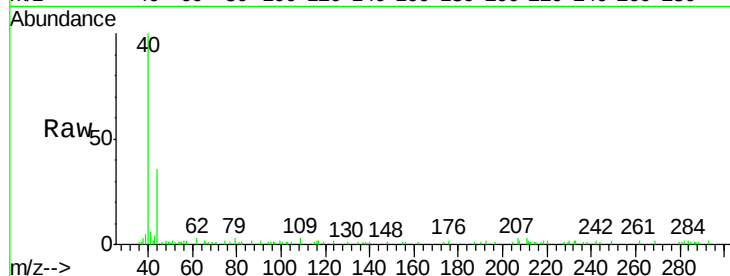
Tot Ion:156 Resp: 159

Ion Ratio Lower Upper

156 100

77 78.8 64.2 192.6

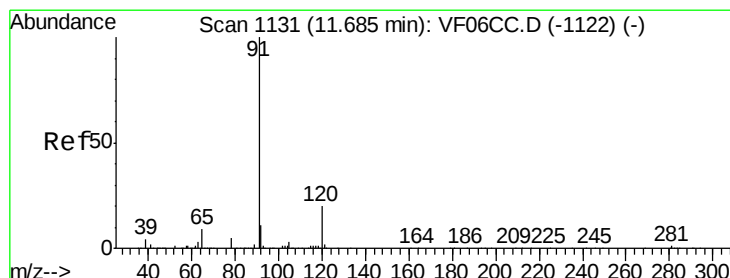
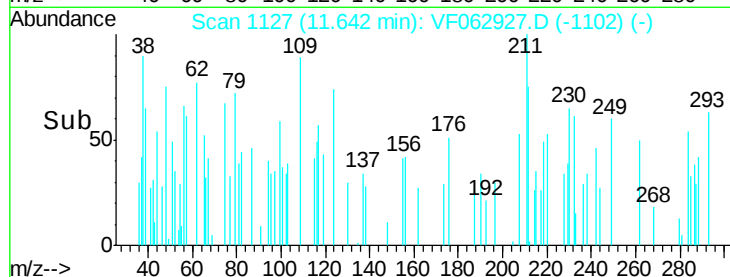
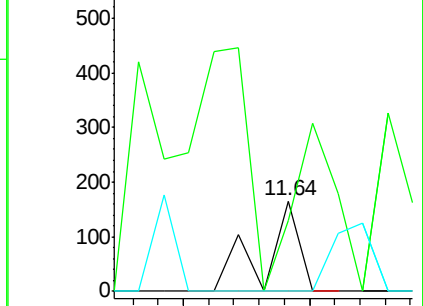
158 0.0 50.3 151.0#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 17.959 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF062927.D

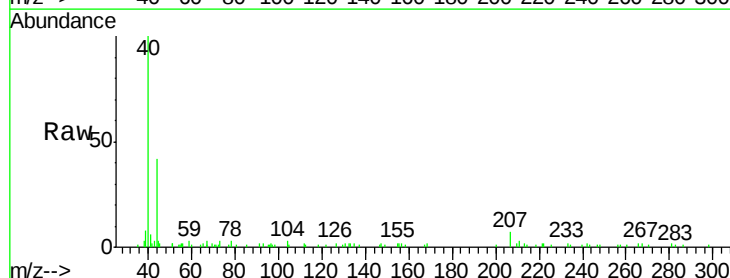
Acq: 12 Jun 2019 15:03

Tgt Ion: 91 Resp: 174

Ion Ratio Lower Upper

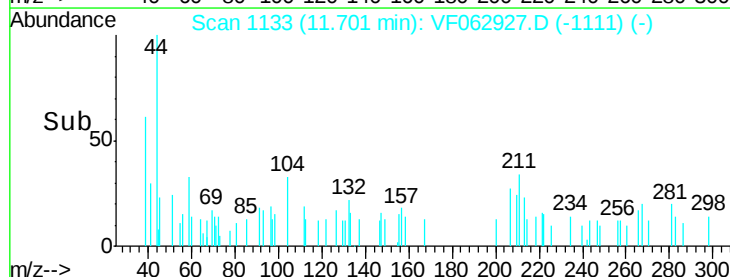
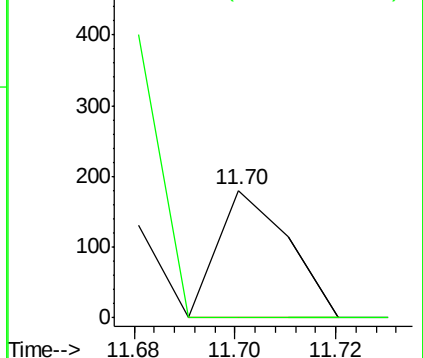
91 100

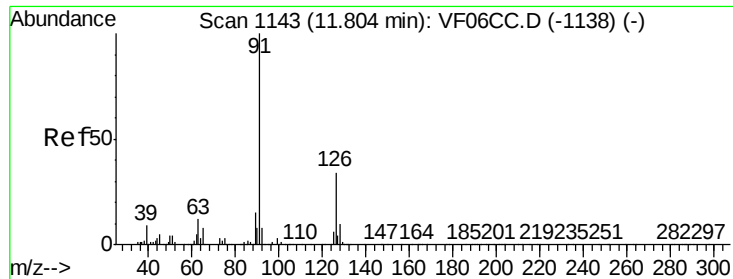
120 0.0 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

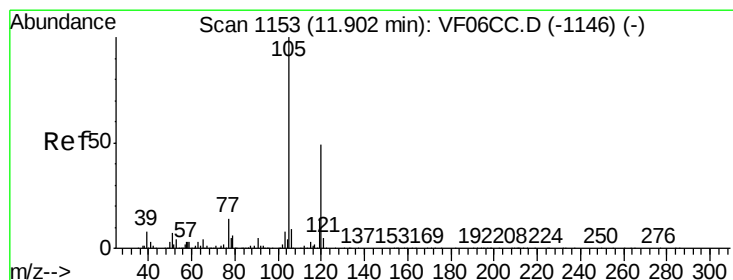
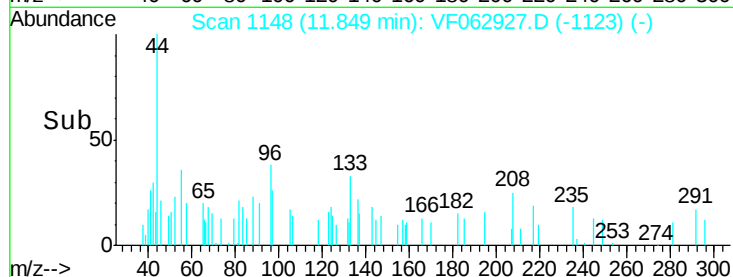
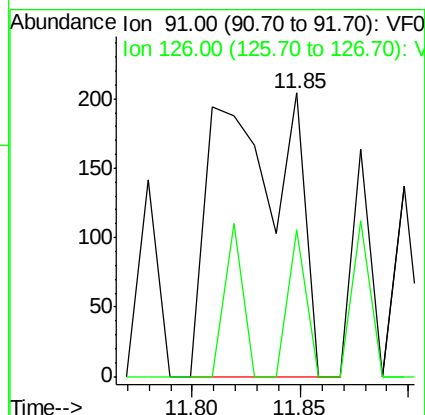
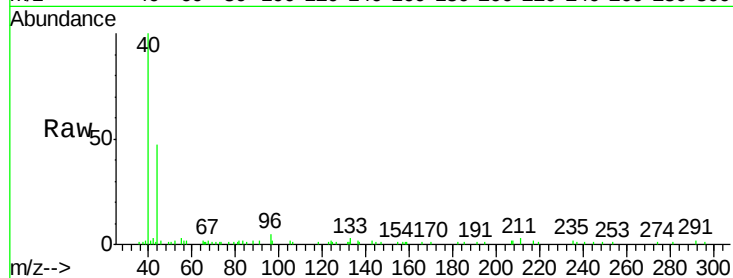




#79
2-Chlorotoluene
Concen: 91.273 ug/l
RT: 11.85 min Scan# 1148
Delta R.T. 0.04 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

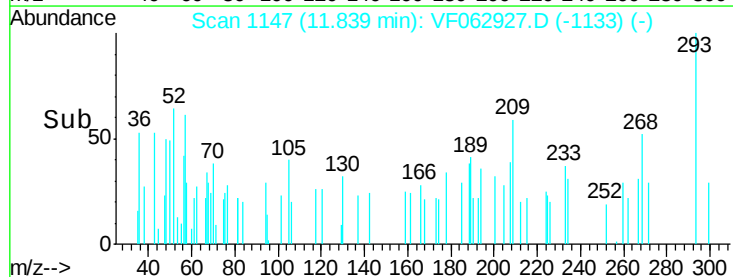
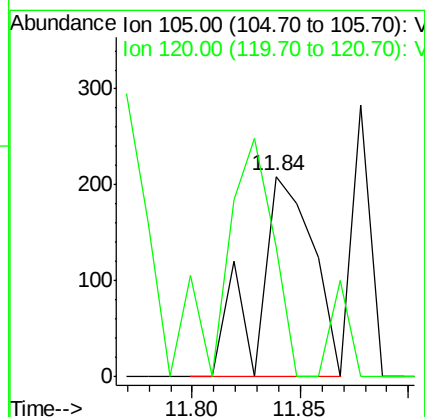
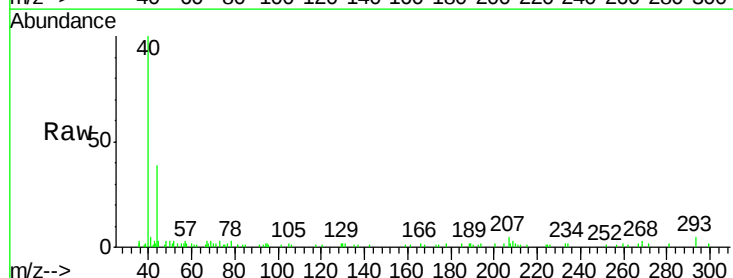
Instrument :
MSVOA_F
ClientSampleId :
200030-200034

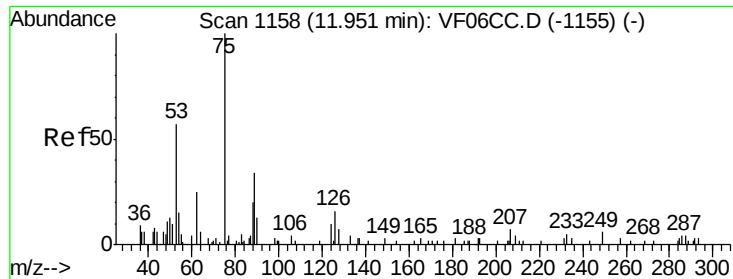
Tot Ion: 91 Resp: 506
Ion Ratio Lower Upper
91 100
126 52.0 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 56.993 ug/l
RT: 11.84 min Scan# 1147
Delta R.T. -0.07 min
Lab File: VF062927.D
Acq: 12 Jun 2019 15:03

Tgt Ion: 105 Resp: 374
Ion Ratio Lower Upper
105 100
120 64.6 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 640.478 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

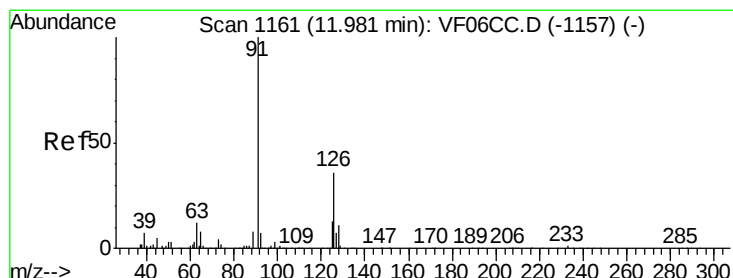
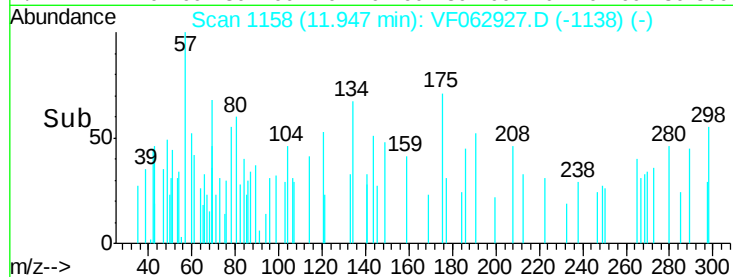
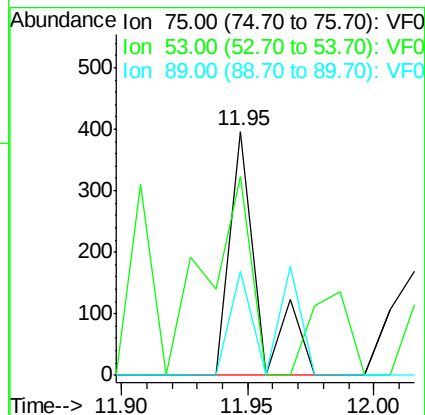
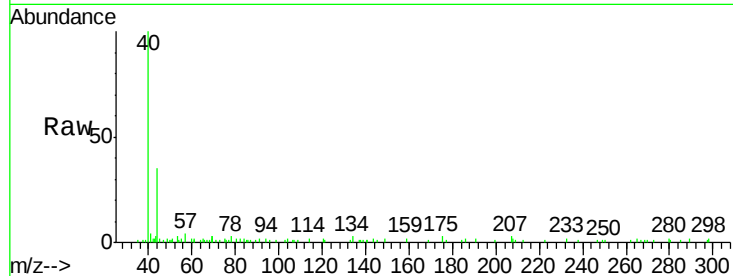
Tot Ion: 75 Resp: 308

Ion Ratio Lower Upper

75 100

53 81.8 43.5 65.3#

89 42.7 34.3 51.5



#82

4-Chlorotoluene

Concen: 97.831 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062927.D

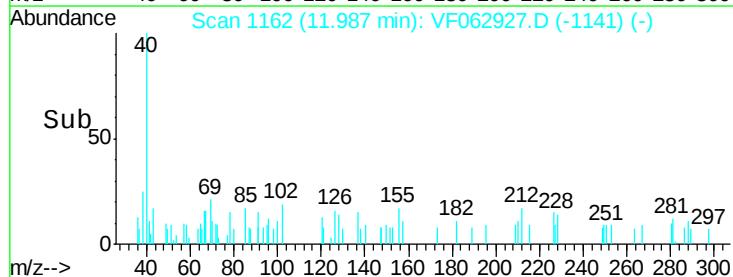
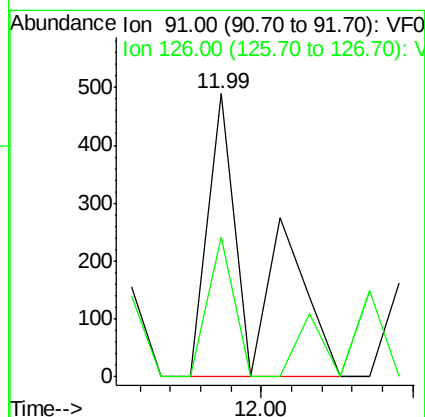
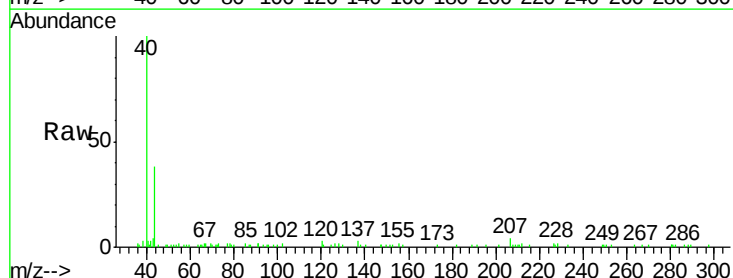
Acq: 12 Jun 2019 15:03

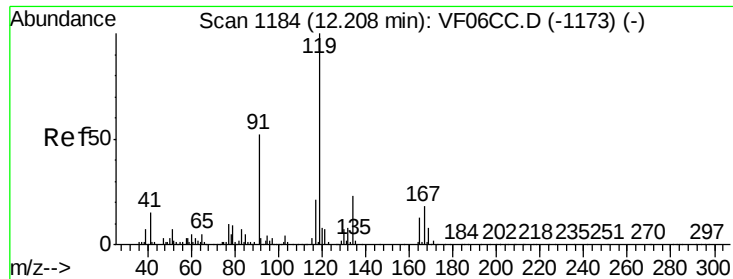
Tgt Ion: 91 Resp: 533

Ion Ratio Lower Upper

91 100

126 49.3 19.1 57.1





#83

tert-Butylbenzene

Concen: 44.139 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampled :

200030-200034

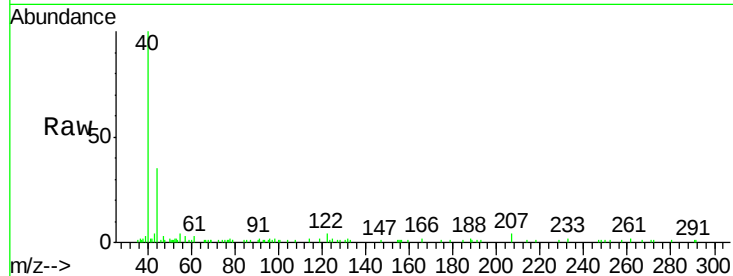
Tot Ion:119 Resp: 287

Ion Ratio Lower Upper

119 100

91 125.3 28.9 86.7#

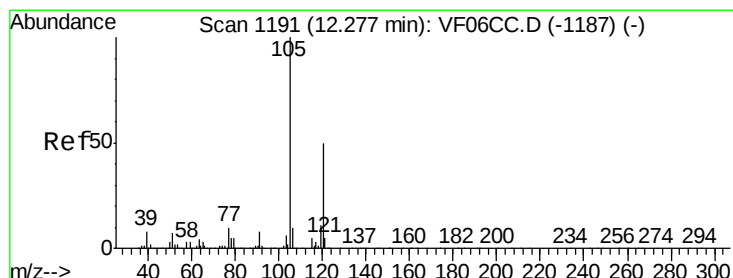
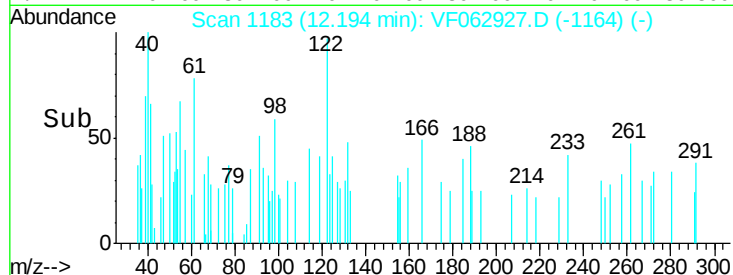
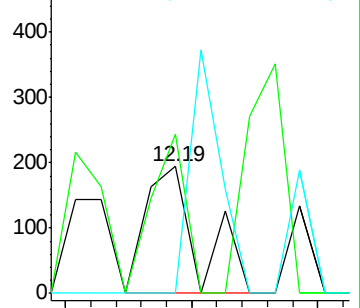
134 0.0 14.3 42.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 60.915 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.12 min

Lab File: VF062927.D

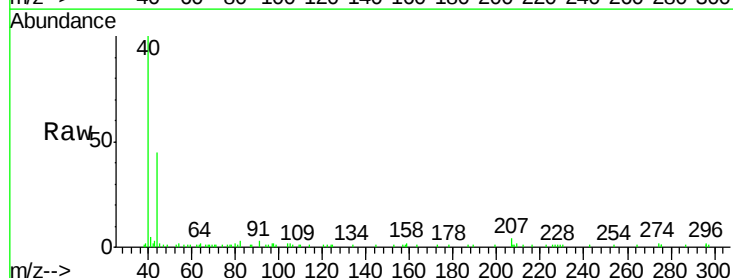
Acq: 12 Jun 2019 15:03

Tgt Ion:105 Resp: 379

Ion Ratio Lower Upper

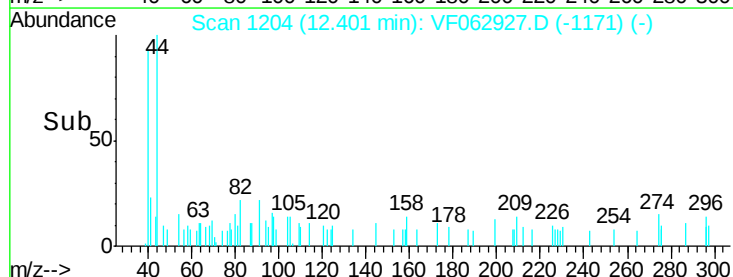
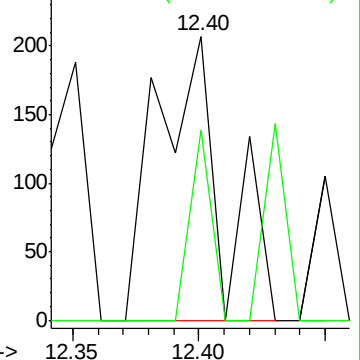
105 100

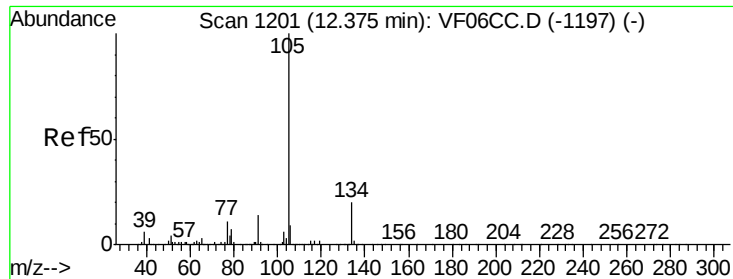
120 67.1 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

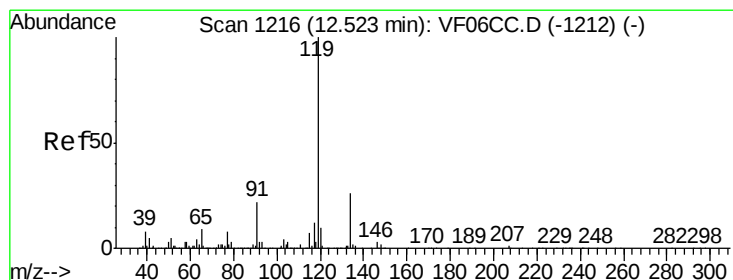
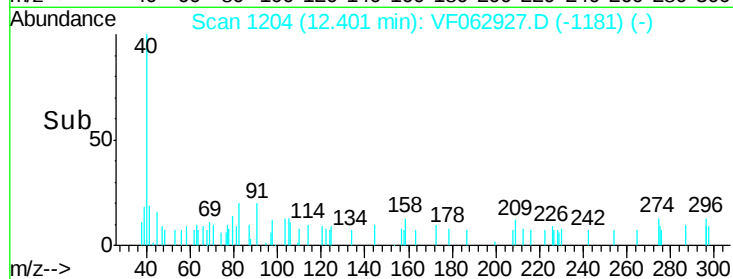
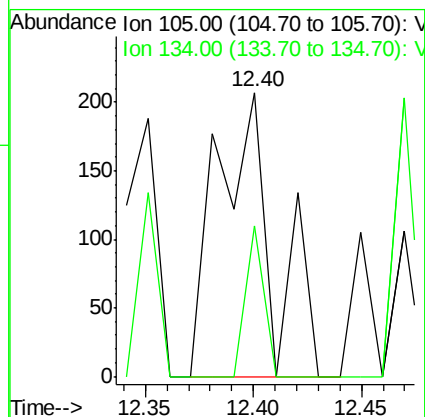
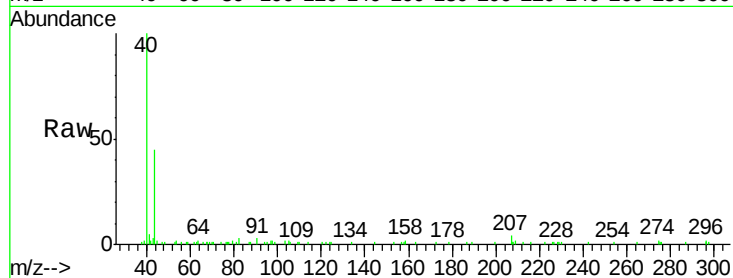




#85
 sec-Butylbenzene
 Concen: 44.235 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.02 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

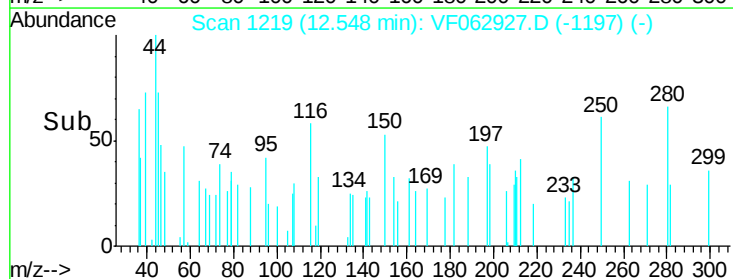
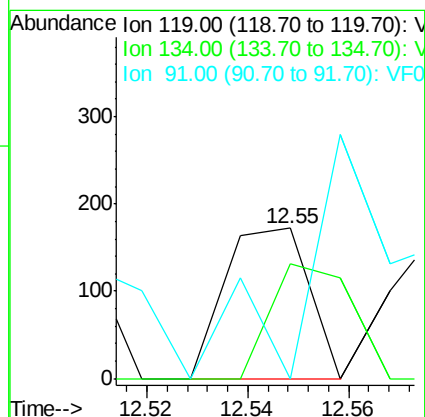
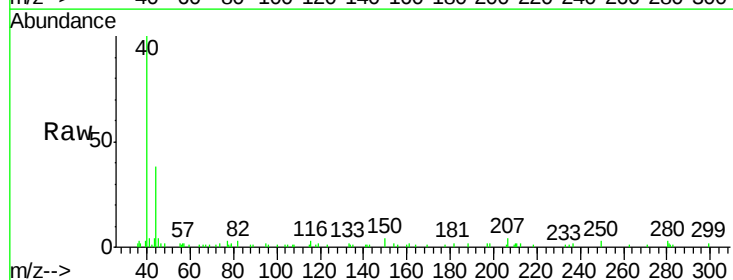
Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034

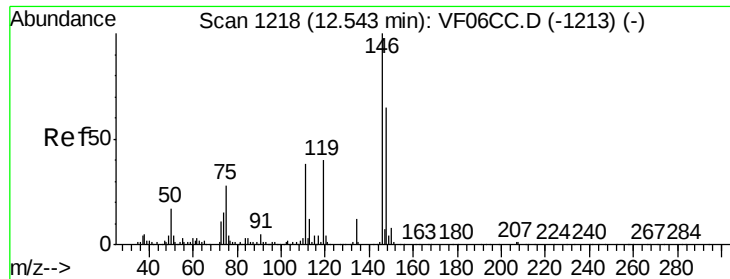
Tot Ion:105 Resp: 379
 Ion Ratio Lower Upper
 105 100
 134 53.1 10.5 31.6#



#86
 p-Isopropyltoluene
 Concen: 27.764 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Tgt Ion:119 Resp: 198
 Ion Ratio Lower Upper
 119 100
 134 76.7 15.5 46.5#
 91 0.0 10.3 30.9#





#87

1,3-Dichlorobenzene

Concen: 110.808 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

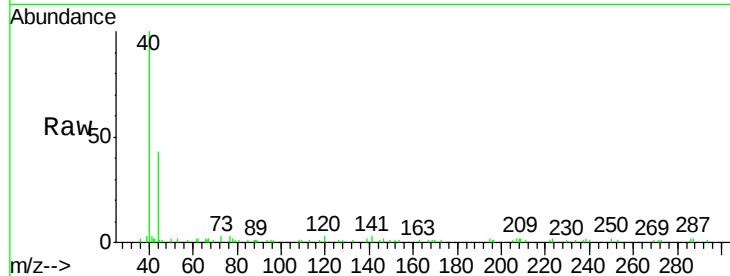
Tot Ion:146 Resp: 394

Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.8#

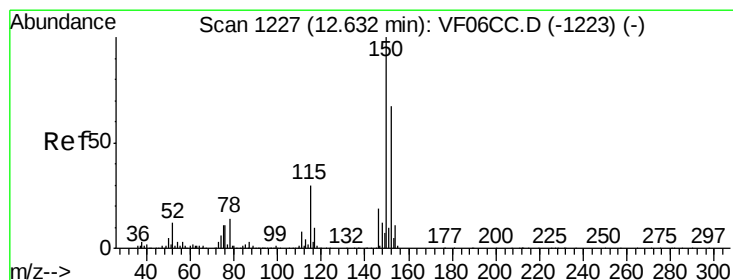
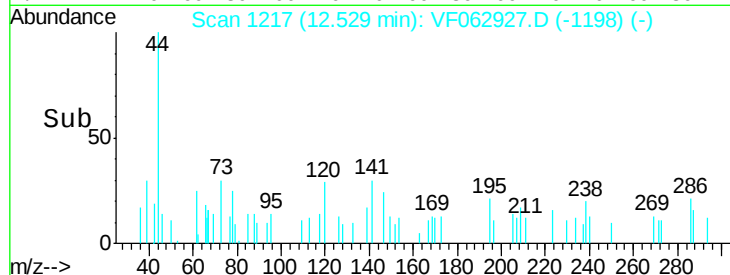
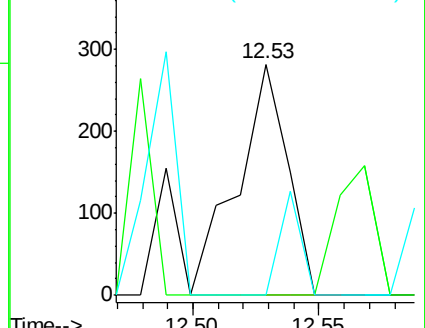
148 0.0 34.2 102.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 81.968 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

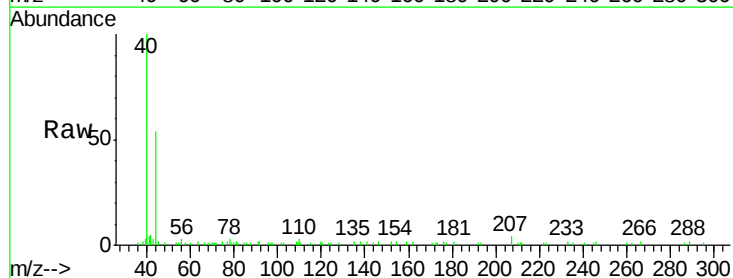
Tgt Ion:146 Resp: 272

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

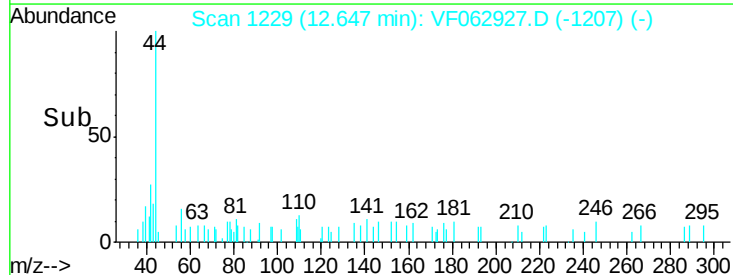
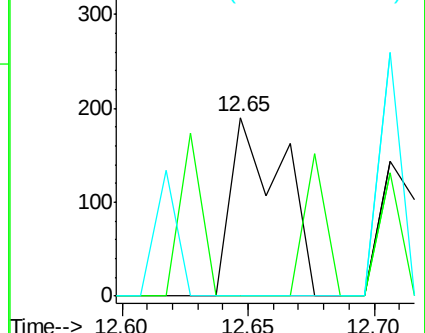
148 0.0 34.0 101.8#

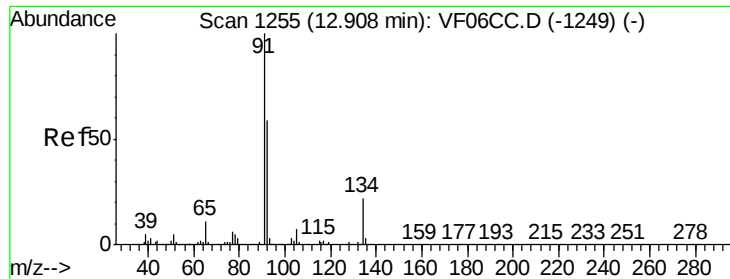


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 54.782 ug/l

RT: 12.87 min Scan# 1252

Delta R.T. -0.04 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

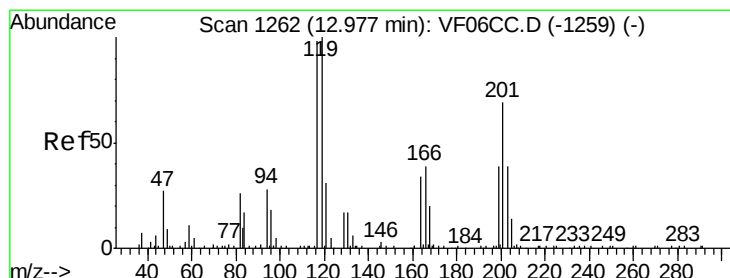
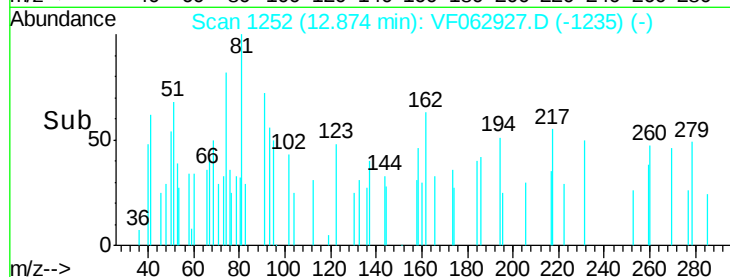
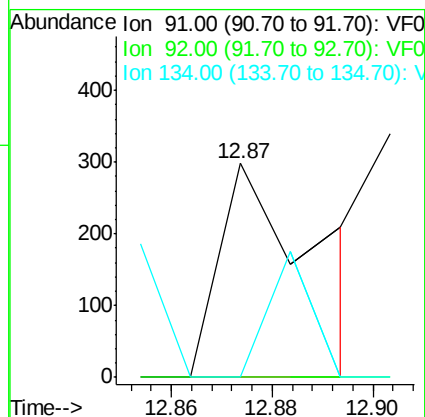
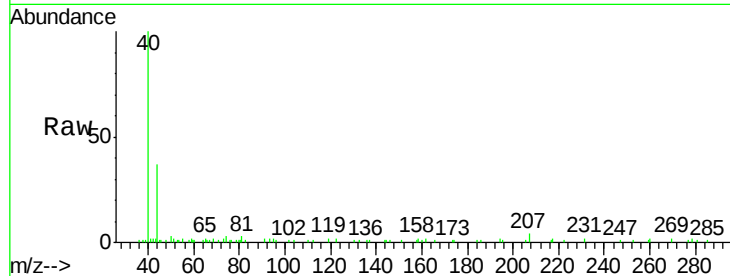
Tot Ion: 91 Resp: 393

Ion Ratio Lower Upper

91 100

92 0.0 34.2 102.6#

134 0.0 15.8 47.3#



#90

Hexachloroethane

Concen: 77.039 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.15 min

Lab File: VF062927.D

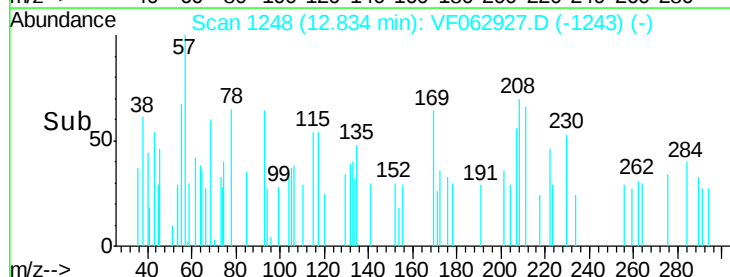
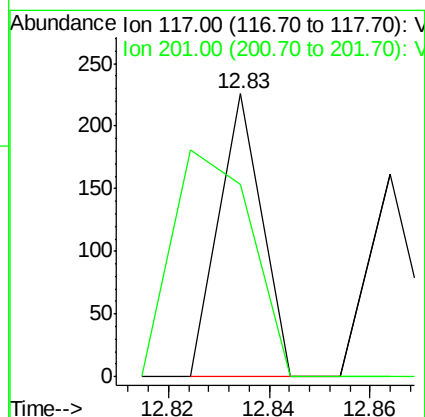
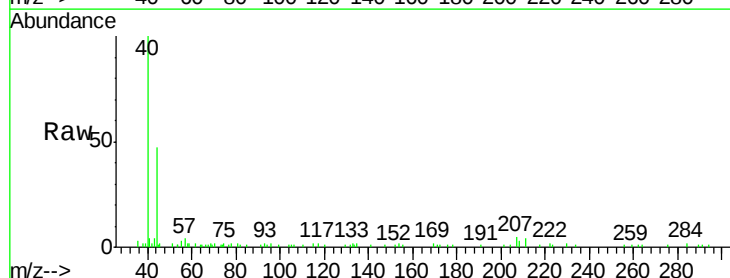
Acq: 12 Jun 2019 15:03

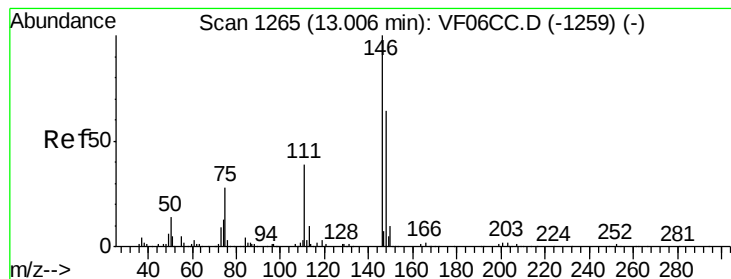
Tgt Ion: 117 Resp: 134

Ion Ratio Lower Upper

117 100

201 67.7 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 62.714 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.03 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

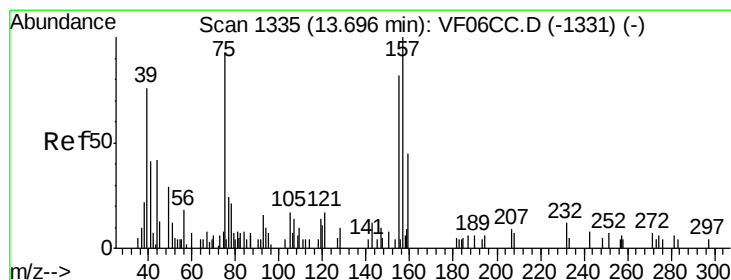
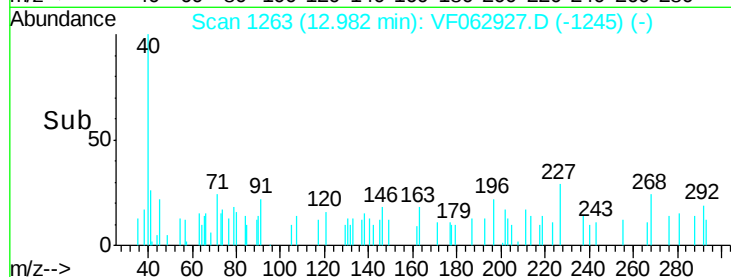
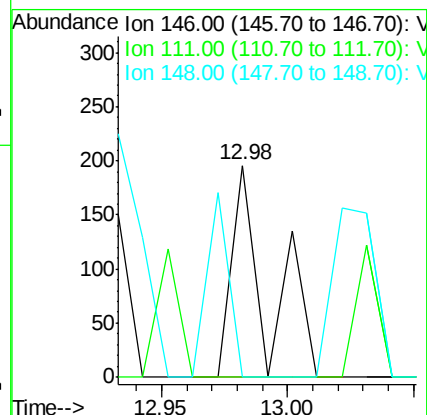
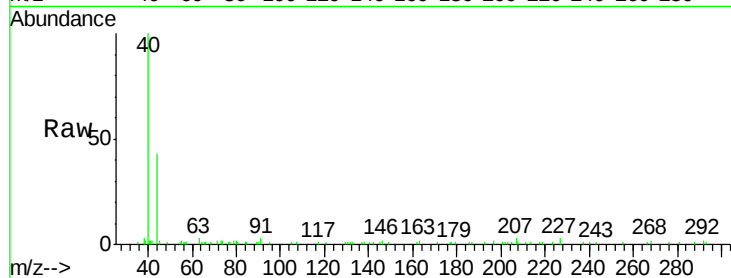
Instrument :

MSVOA_F

ClientSampleId :

200030-200034

Tot Ion:	146	Resp:	196
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.4	61.3#
148	0.0	34.1	102.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1017.728 ug/l

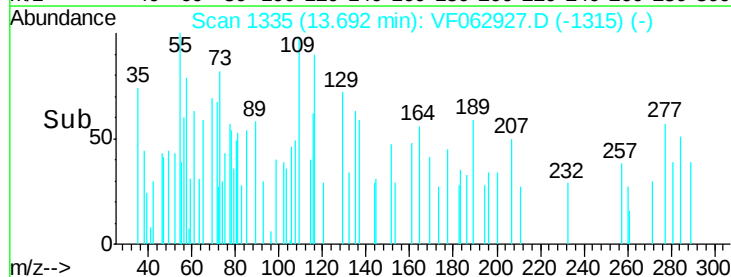
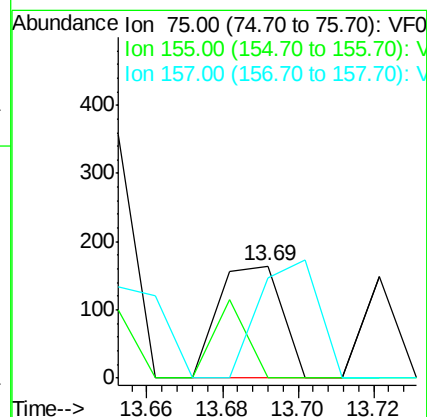
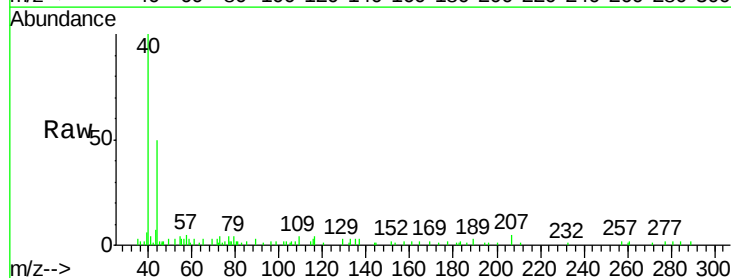
RT: 13.69 min Scan# 1335

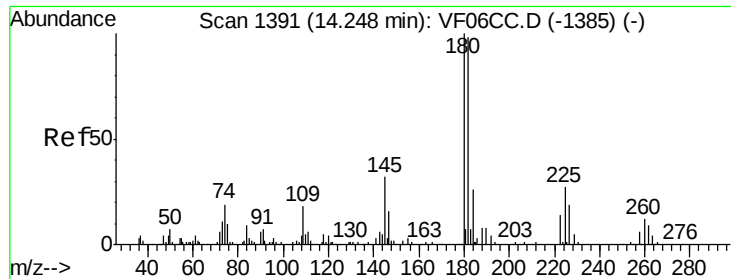
Delta R.T. -0.01 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Tgt Ion:	75	Resp:	190
Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.7	155.1#
157	89.0	66.8	200.6

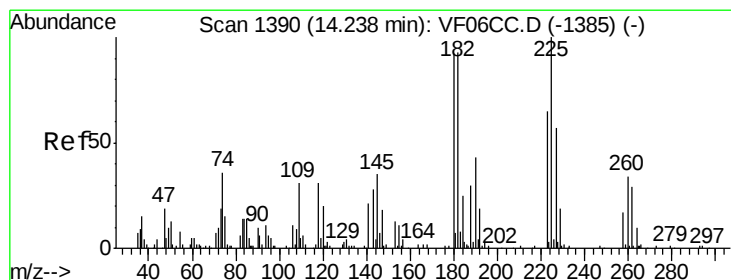
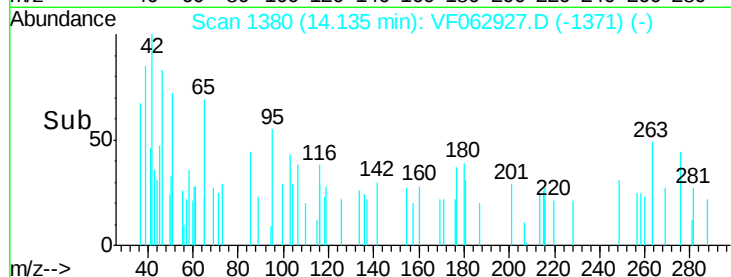
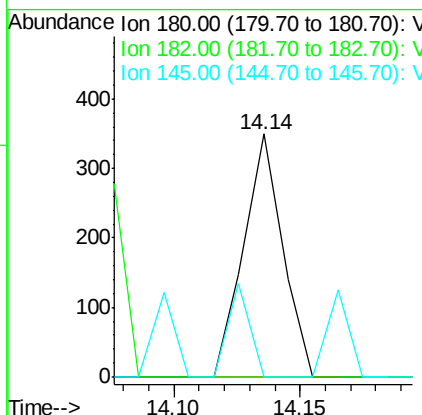
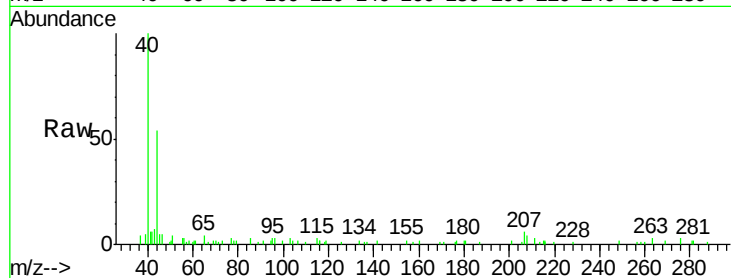




#93
 1,2,4-Trichlorobenzene
 Concen: 175.687 ug/l
 RT: 14.14 min Scan# 1380
 Delta R.T. -0.11 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

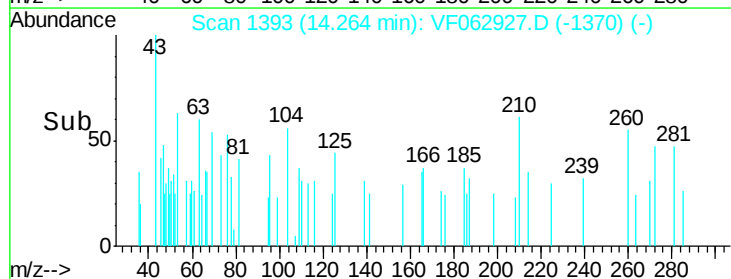
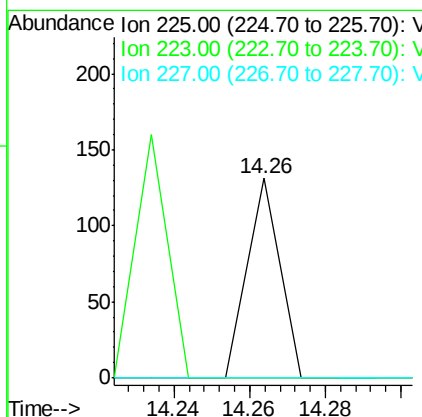
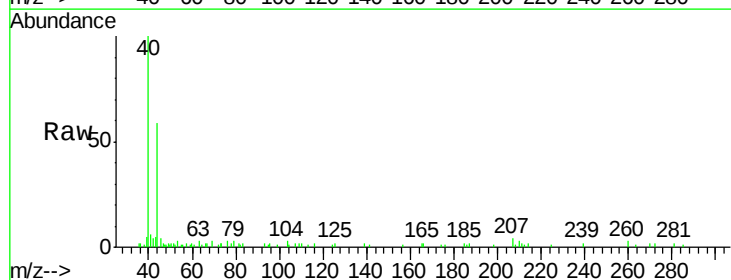
Instrument :
 MSVOA_F
 ClientSampleId :
 200030-200034

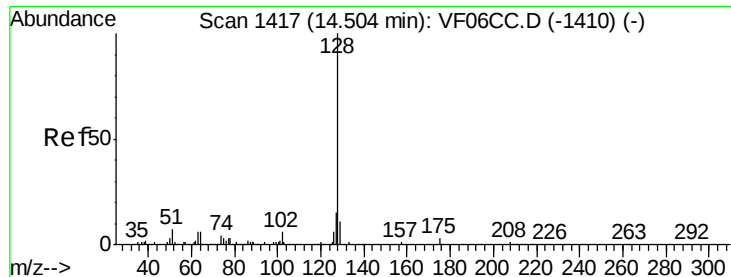
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	50.3	150.9#
145	0.0	15.4	46.2#



#94
 Hexachlorobutadiene
 Concen: 51.869 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.02 min
 Lab File: VF062927.D
 Acq: 12 Jun 2019 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	30.8	92.4#
227	0.0	31.9	95.5#





#95

Naphthalene

Concen: 31.574 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

200030-200034

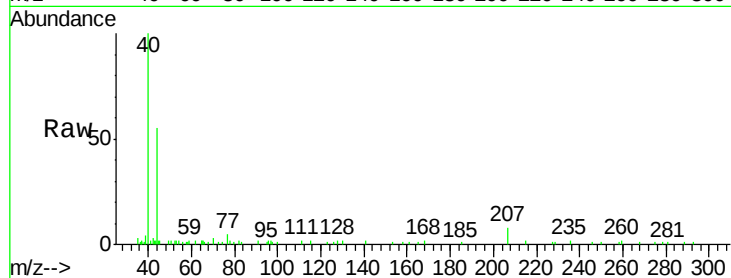
Tot Ion:128 Resp: 111

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

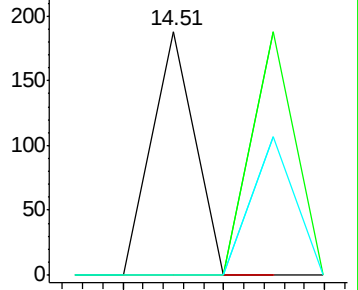
129 0.0 9.4 14.2#



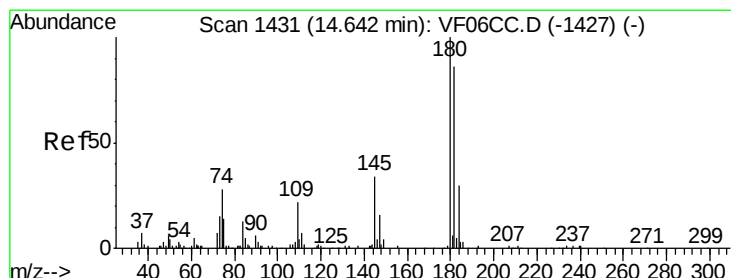
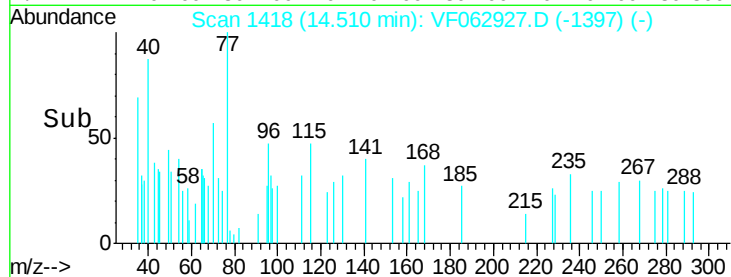
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 156.218 ug/l

RT: 14.62 min Scan# 1429

Delta R.T. -0.03 min

Lab File: VF062927.D

Acq: 12 Jun 2019 15:03

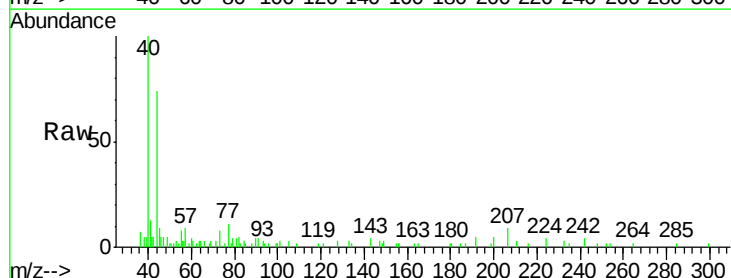
Tgt Ion:180 Resp: 306

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

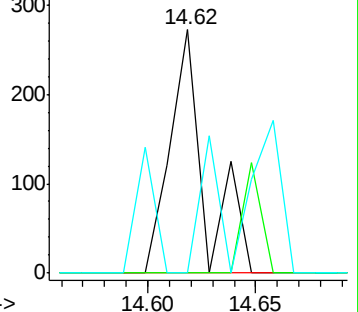
145 0.0 15.7 47.0#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

