

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
 Data File : VF062167.D
 Acq On : 4 Apr 2019 20:56
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF040419

Quant Time: Apr 05 05:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 05:27:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	209792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	345844	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	296885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	145659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	135578	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
35) Dibromofluoromethane	4.08	113	141258	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
50) Toluene-d8	7.53	98	426699	55.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.90%	
62) 4-Bromofluorobenzene	11.39	95	169527	55.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	162638	52.957	ug/l	95
3) Chloromethane	1.09	50	137509	53.188	ug/l #	72
4) Vinyl Chloride	1.14	62	137360	53.888	ug/l #	85
5) Bromomethane	1.31	94	109426	60.500	ug/l	95
6) Chloroethane	1.38	64	75424	54.692	ug/l #	85
7) Trichlorofluoromethane	1.48	101	212070	56.740	ug/l	85
8) Diethyl Ether	1.62	74	41891	54.162	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	127883	53.926	ug/l	91
10) Methyl Iodide	1.89	142	176518	43.429	ug/l	96
11) Tert butyl alcohol	2.55	59	33034	303.498	ug/l #	72
12) 1,1-Dichloroethene	1.78	96	120693	58.640	ug/l	93
13) Acrolein	1.99	56	29664	256.124	ug/l	98
14) Allyl chloride	2.08	41	171581	60.116	ug/l	98
15) Acrylonitrile	2.93	53	90126	277.577	ug/l #	93
16) Acetone	2.23	43	128119	268.854	ug/l	99
17) Carbon Disulfide	1.82	76	325063	46.772	ug/l	99
18) Methyl Acetate	2.33	43	51269	46.986	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	211960	53.784	ug/l	95
20) Methylene Chloride	2.17	84	36199	13.728	ug/l #	82
21) trans-1,2-Dichloroethene	2.30	96	105757	53.002	ug/l	95
22) Diisopropyl ether	2.78	45	373249	56.994	ug/l	99
23) Vinyl Acetate	3.16	43	908680	294.728	ug/l	100
24) 1,1-Dichloroethane	2.85	63	221583	57.252	ug/l #	96
25) 2-Butanone	4.31	43	226981	270.205	ug/l	100
26) 2,2-Dichloropropane	3.58	77	110990	54.535	ug/l	83
27) cis-1,2-Dichloroethene	3.45	96	144650	56.642	ug/l	93
28) Bromochloromethane	3.70	49	81786	48.144	ug/l	98
29) Tetrahydrofuran	4.04	42	97382	270.992	ug/l	97
30) Chloroform	3.83	83	261713	56.644	ug/l	86
31) Cyclohexane	3.68	56	122095	32.149	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	204624	65.600	ug/l	96
36) 1,1-Dichloropropene	4.25	75	211087	53.784	ug/l	92
37) Ethyl Acetate	4.09	43	102434	57.015	ug/l	94
38) Carbon Tetrachloride	3.96	117	166496	55.508	ug/l	98

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 QLast Update : Fri Apr 05 05:27:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	206169	53.147	ug/l	96
40) Benzene	4.60	78	502404	58.981	ug/l	99
41) Methacrylonitrile	4.72	41	52482	56.313	ug/l #	93
42) 1,2-Dichloroethane	4.92	62	174274	54.854	ug/l	100
43) Isopropyl Acetate	6.94	43	112457	58.094	ug/l #	95
44) Trichloroethene	5.48	130	147189	55.829	ug/l	85
45) 1,2-Dichloropropane	6.21	63	117887	58.271	ug/l	97
46) Dibromomethane	6.06	93	76523	55.789	ug/l	96
47) Bromodichloromethane	6.37	83	199352	53.792	ug/l #	87
48) Methyl methacrylate	6.69	41	77430	60.023	ug/l	95
49) 1,4-Dioxane	6.67	88	9710	1129.088	ug/l #	66
51) 4-Methyl-2-Pentanone	8.24	43	393488	269.171	ug/l	97
52) Toluene	7.60	92	296215	54.315	ug/l	94
53) t-1,3-Dichloropropene	8.26	75	170725	57.138	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	209490	57.539	ug/l	96
55) 1,1,2-Trichloroethane	8.46	97	80467	53.569	ug/l	96
56) Ethyl methacrylate	8.59	69	107012	52.875	ug/l	94
57) 1,3-Dichloropropane	8.83	76	147370	57.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	86564	308.908	ug/l	100
59) 2-Hexanone	9.47	43	276083	262.285	ug/l	99
60) Dibromochloromethane	8.69	129	126594	57.834	ug/l	85
61) 1,2-Dibromoethane	8.96	107	92935	57.918	ug/l	91
64) Tetrachloroethene	8.13	164	124978	55.656	ug/l	93
65) Chlorobenzene	9.77	112	324269	55.065	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.90	131	137718	53.926	ug/l	93
67) Ethyl Benzene	9.87	91	615351	53.628	ug/l	97
68) m/p-Xylenes	10.11	106	445747	107.906	ug/l	96
69) o-Xylene	10.69	106	227252	55.248	ug/l	99
70) Styrene	10.77	104	346196	54.966	ug/l	96
71) Bromoform	10.75	173	72233	55.071	ug/l #	90
73) Isopropylbenzene	11.10	105	632896	51.961	ug/l	98
74) N-amyl acetate	11.35	43	178782	54.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	107112	55.821	ug/l	96
76) 1,2,3-Trichloropropane	11.77	75	83849	56.250	ug/l	98
77) Bromobenzene	11.48	156	138092	53.748	ug/l	86
78) n-propylbenzene	11.57	91	754541	52.779	ug/l	97
79) 2-Chlorotoluene	11.70	91	455855	55.912	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	575711	55.539	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	49871	82.538	ug/l #	88
82) 4-Chlorotoluene	11.88	91	465045	55.709	ug/l	96
83) tert-Butylbenzene	12.11	119	559041	53.717	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	550778	53.613	ug/l	99
85) sec-Butylbenzene	12.28	105	730832	55.593	ug/l	99
86) p-Isopropyltoluene	12.44	119	656792	55.507	ug/l	98
87) 1,3-Dichlorobenzene	12.45	146	269706	54.986	ug/l	94
88) 1,4-Dichlorobenzene	12.55	146	271103	54.596	ug/l	96
89) n-Butylbenzene	12.83	91	610421	53.488	ug/l	95
90) Hexachloroethane	12.89	117	150818	55.089	ug/l	80
91) 1,2-Dichlorobenzene	12.92	146	242996	52.478	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.62	75	21082	50.459	ug/l	74

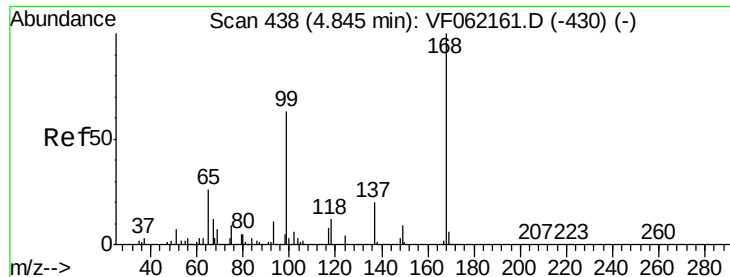
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
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QLast Update : Fri Apr 05 05:27:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	178174	52.633	ug/l	99
94) Hexachlorobutadiene	14.17	225	120169	55.159	ug/l	98
95) Naphthalene	14.44	128	317010	57.169	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	163031	55.660	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 438

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

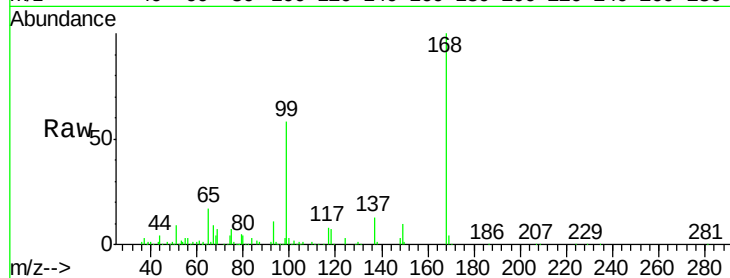
ICVVF040419

Tgt Ion:168 Resp: 209792

Ion Ratio Lower Upper

168 100

99 58.3 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

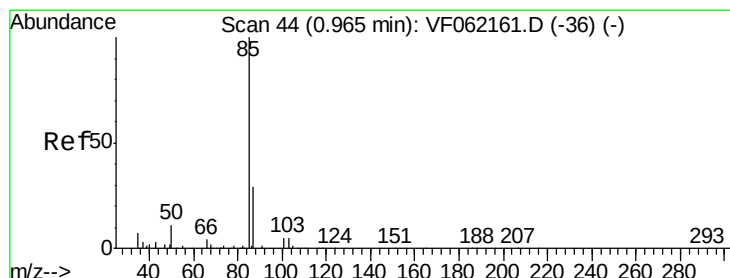
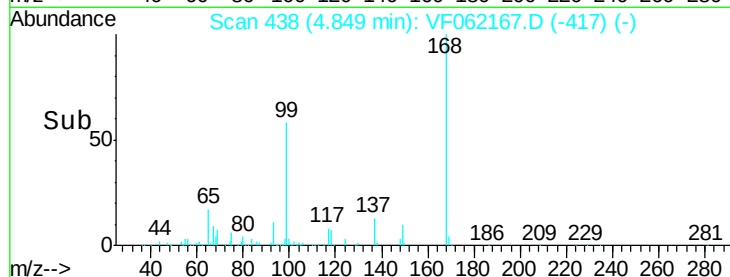
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.957 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF062167.D

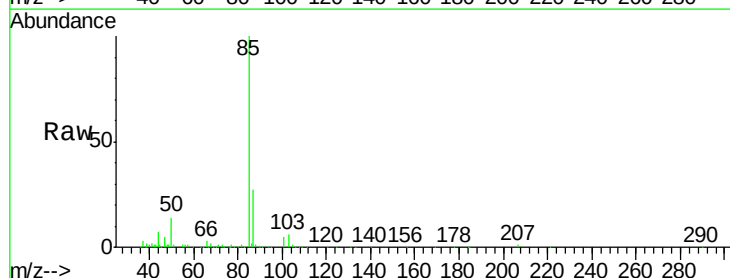
Acq: 4 Apr 2019 20:56

Tgt Ion: 85 Resp: 162638

Ion Ratio Lower Upper

85 100

87 27.0 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

30000

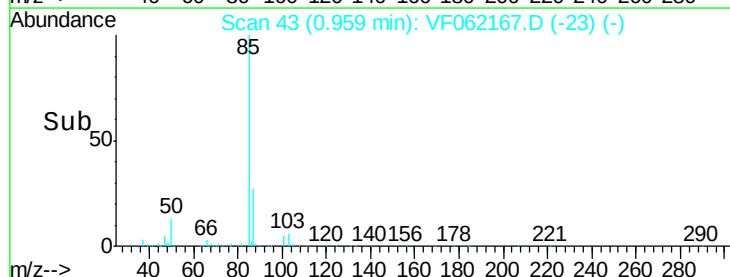
20000

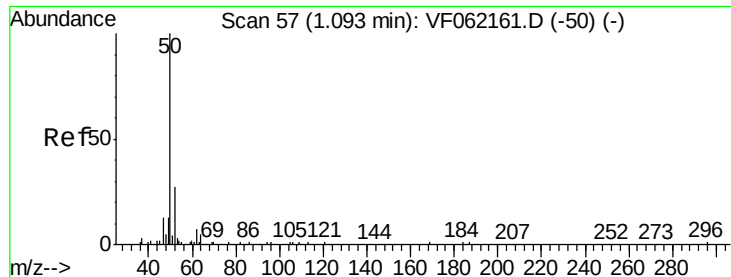
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 53.188 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

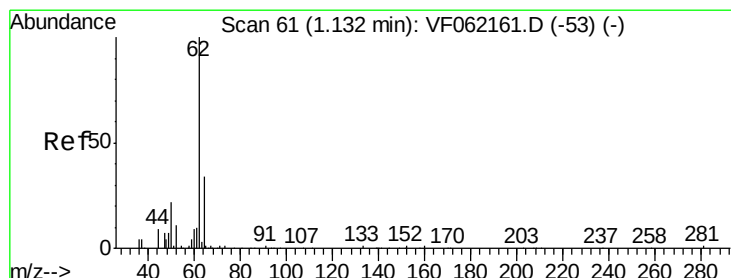
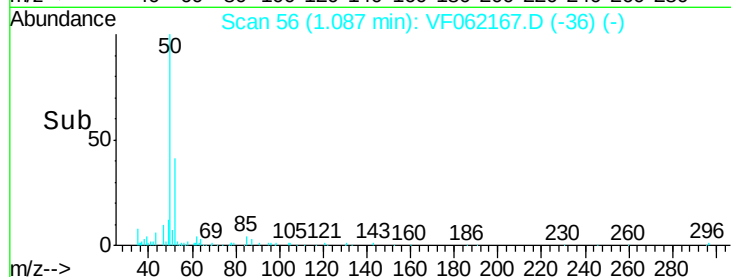
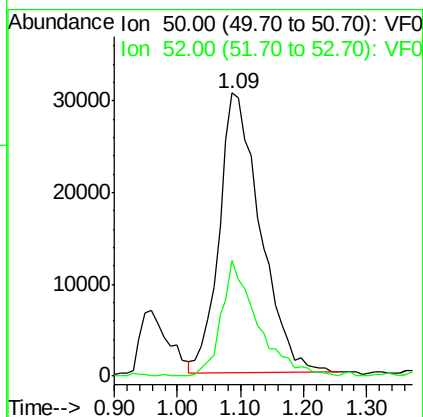
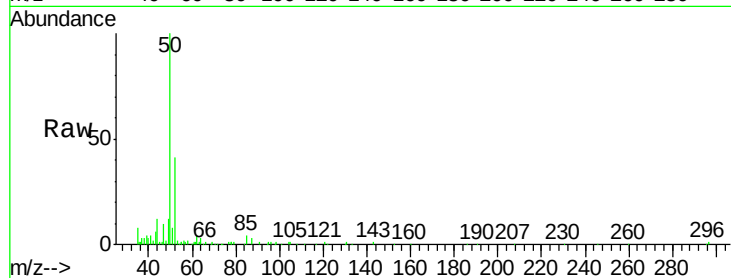
ICVVF040419

Tgt Ion: 50 Resp: 137509

Ion Ratio Lower Upper

50 100

52 41.1 21.4 32.0#



#4

Vinyl Chloride

Concen: 53.888 ug/l

RT: 1.14 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062167.D

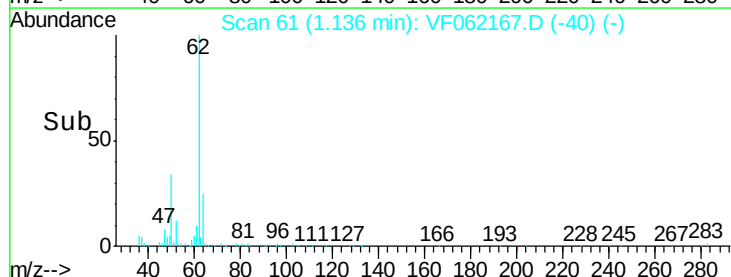
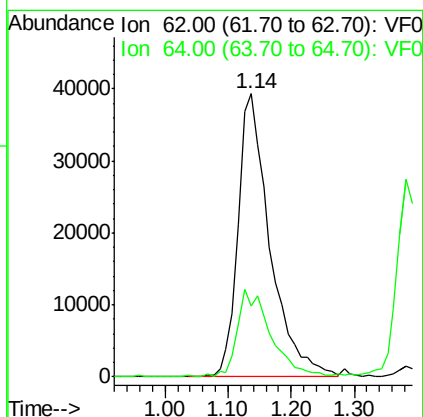
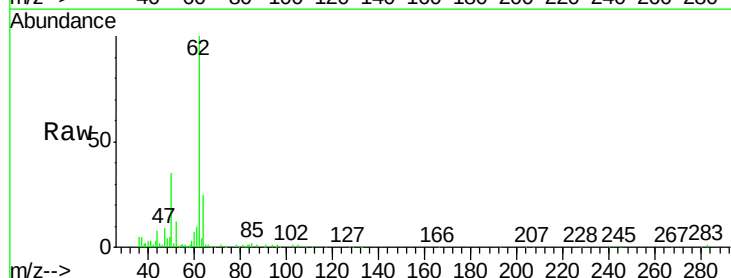
Acq: 4 Apr 2019 20:56

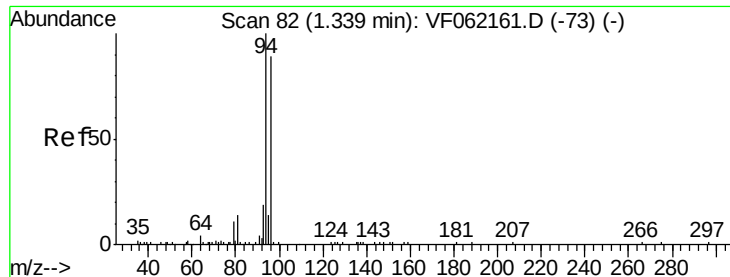
Tgt Ion: 62 Resp: 137360

Ion Ratio Lower Upper

62 100

64 24.9 27.0 40.4#





#5

Bromomethane

Concen: 60.500 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.03 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

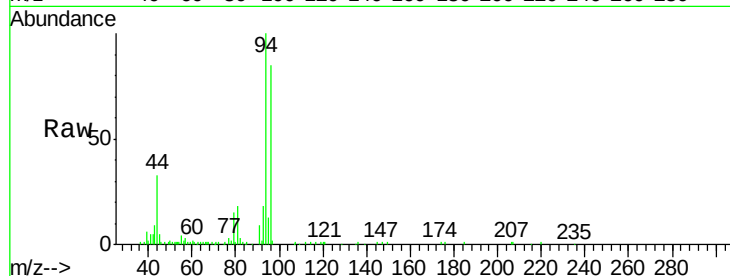
ICVVF040419

Tgt Ion: 94 Resp: 109426

Ion Ratio Lower Upper

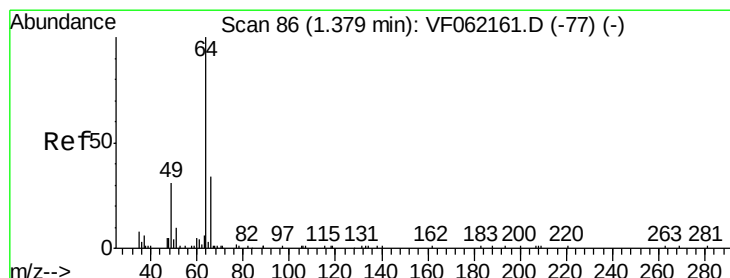
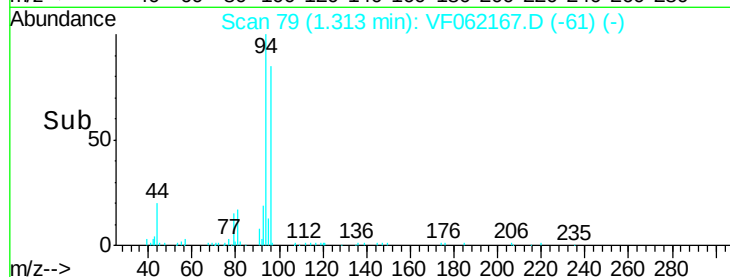
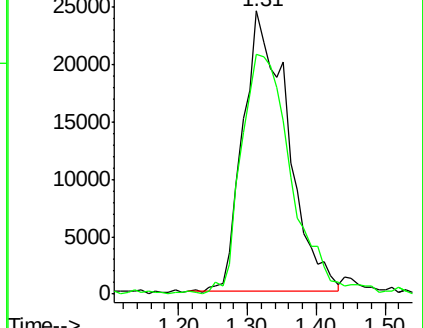
94 100

96 84.5 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 54.692 ug/l

RT: 1.38 min Scan# 86

Delta R.T. 0.00 min

Lab File: VF062167.D

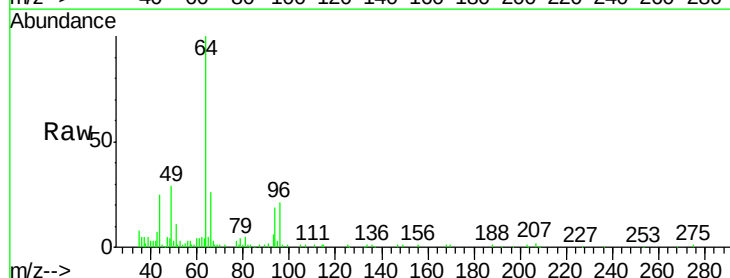
Acq: 4 Apr 2019 20:56

Tgt Ion: 64 Resp: 75424

Ion Ratio Lower Upper

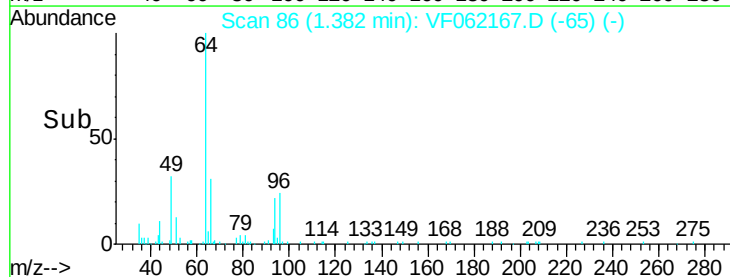
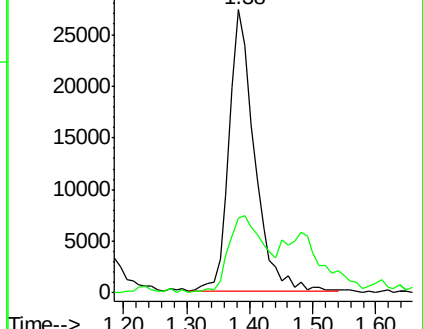
64 100

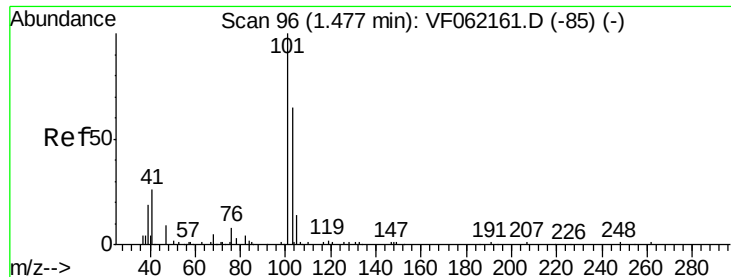
66 26.3 27.8 41.6#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 56.740 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF062167.D

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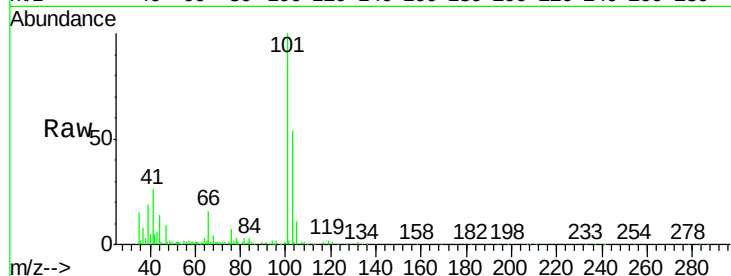
ICVVF040419

Tgt Ion:101 Resp: 212070

Ion Ratio Lower Upper

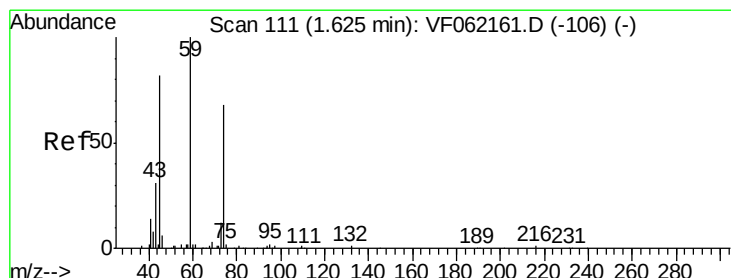
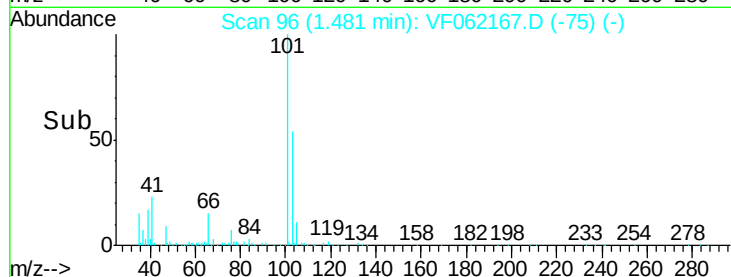
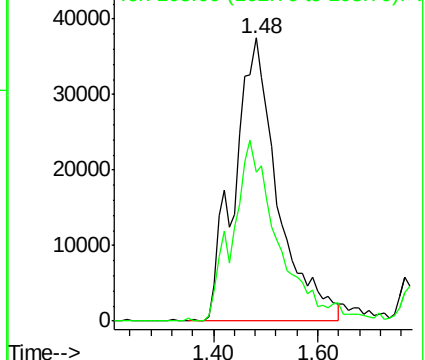
101 100

103 52.8 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 54.162 ug/l

RT: 1.62 min Scan# 110

Delta R.T. -0.01 min

Lab File: VF062167.D

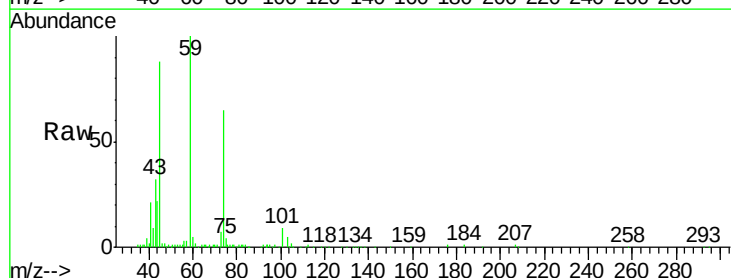
Acq: 4 Apr 2019 20:56

Tgt Ion: 74 Resp: 41891

Ion Ratio Lower Upper

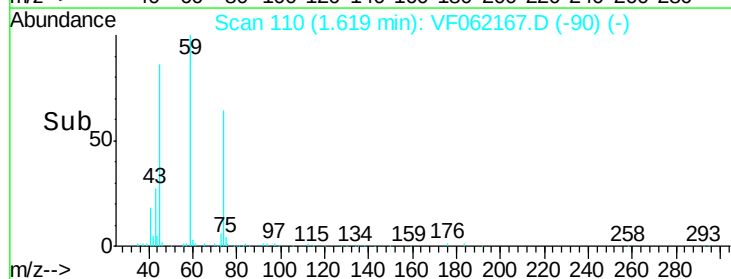
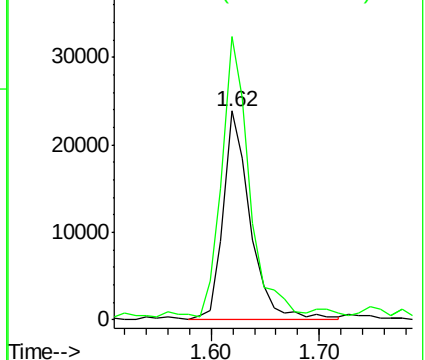
74 100

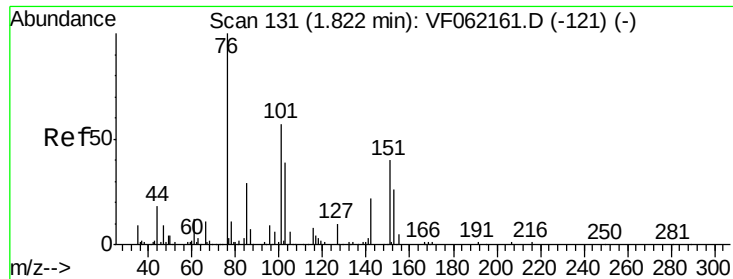
45 135.6 61.9 185.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.926 ug/l

RT: 1.83 min Scan# 131

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

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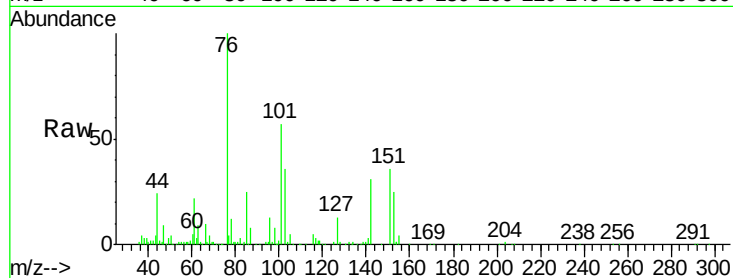
Tgt Ion:101 Resp: 127883

Ion Ratio Lower Upper

101 100

85 44.7 41.0 61.6

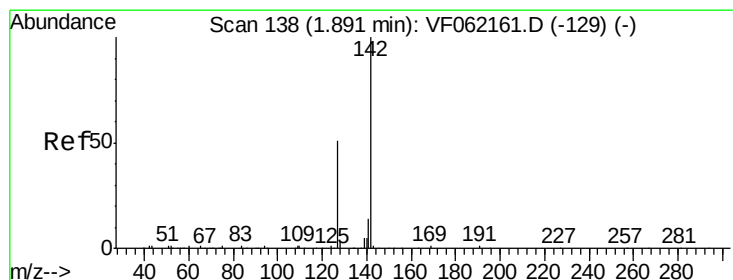
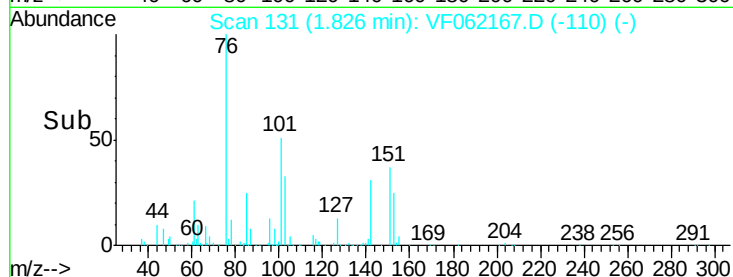
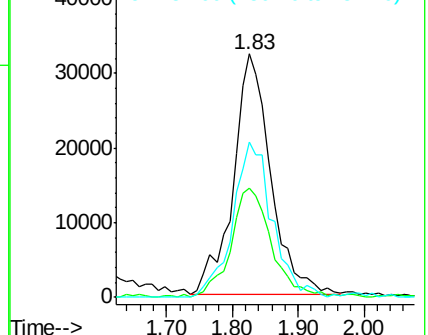
151 63.8 56.5 84.7



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: 43.429 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

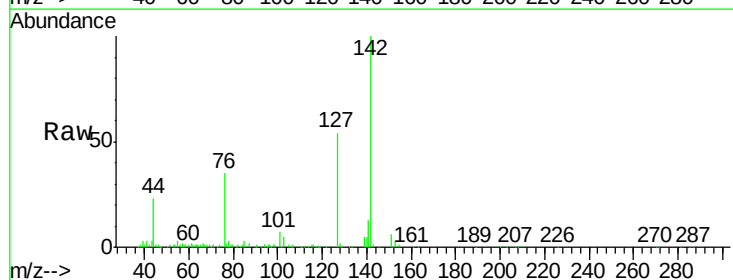
Tgt Ion:142 Resp: 176518

Ion Ratio Lower Upper

142 100

127 54.3 40.7 61.1

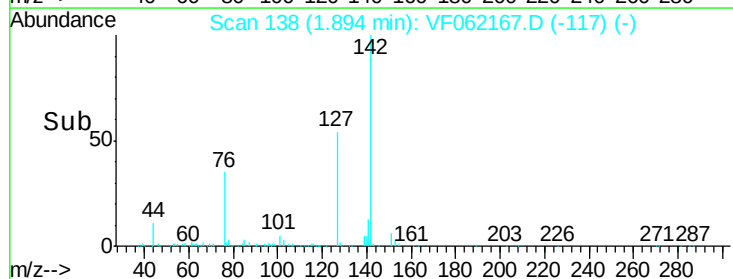
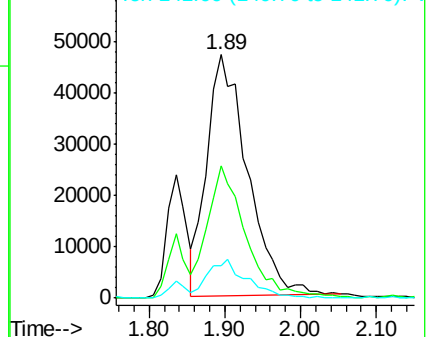
141 13.3 11.1 16.7

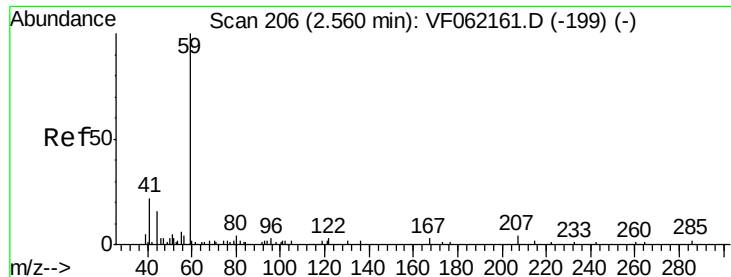


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



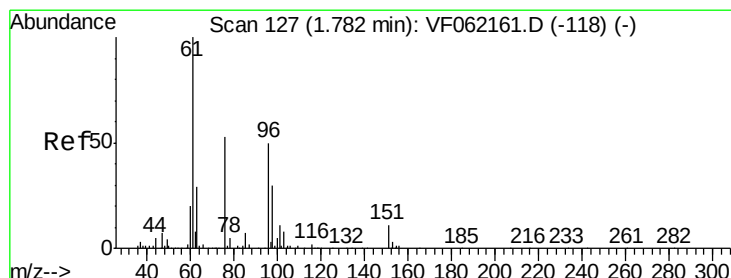
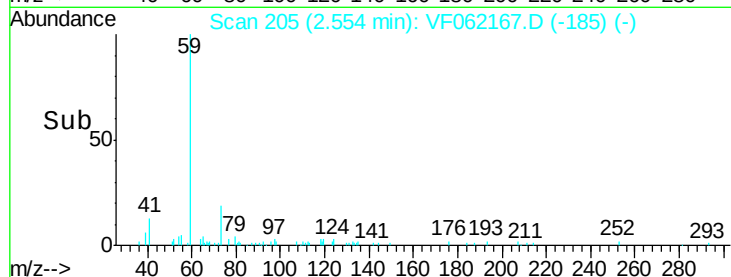
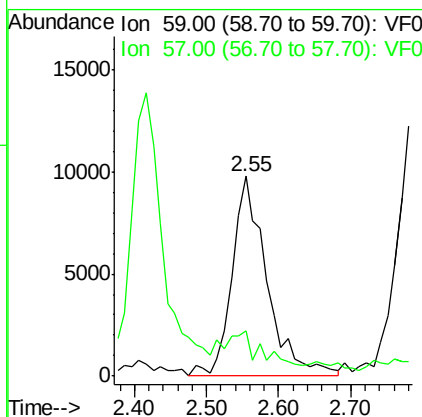
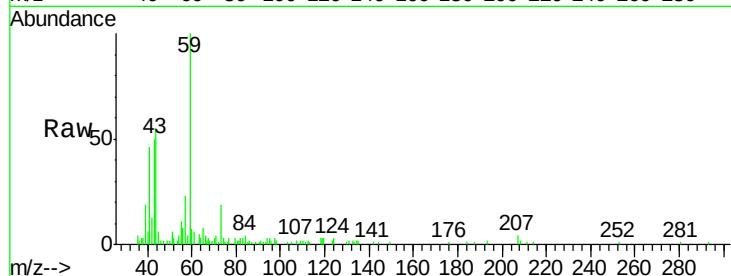


#11

Tert butyl alcohol
 Concen: 303.498 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

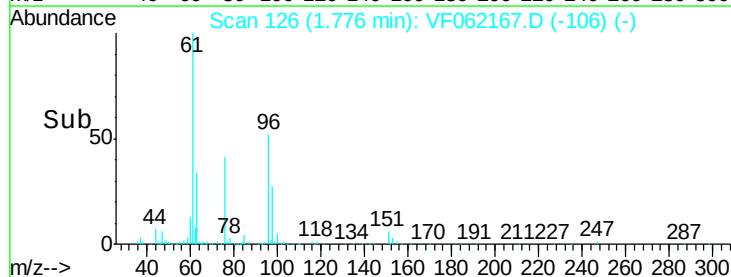
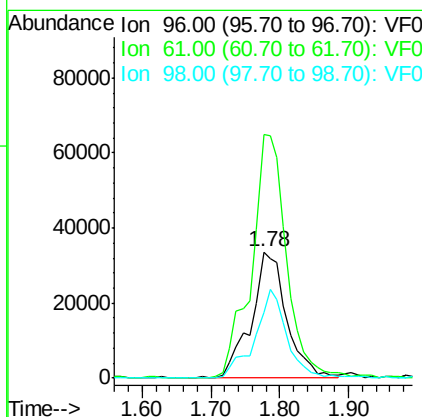
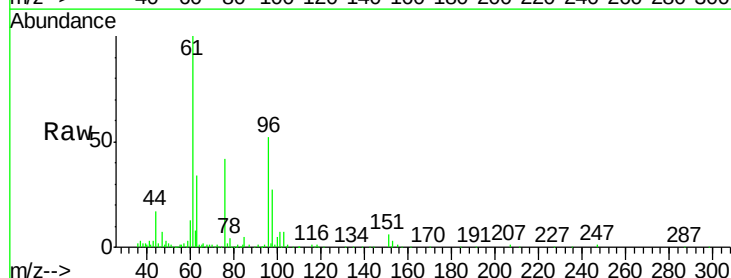
Tgt Ion: 59 Resp: 33034
 Ion Ratio Lower Upper
 59 100
 57 22.7 9.5 14.3#

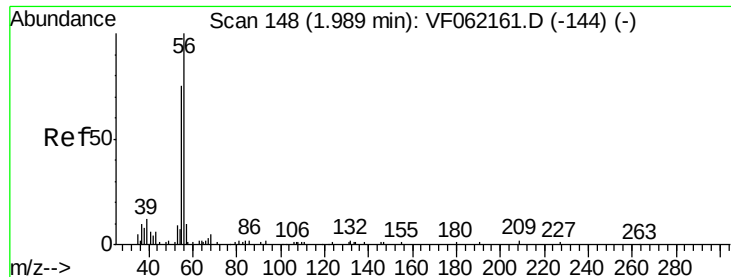


#12

1,1-Dichloroethene
 Concen: 58.640 ug/l
 RT: 1.78 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion: 96 Resp: 120693
 Ion Ratio Lower Upper
 96 100
 61 193.0 161.8 242.6
 98 52.6 49.2 73.8





#13

Acrolein

Concen: 256.124 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

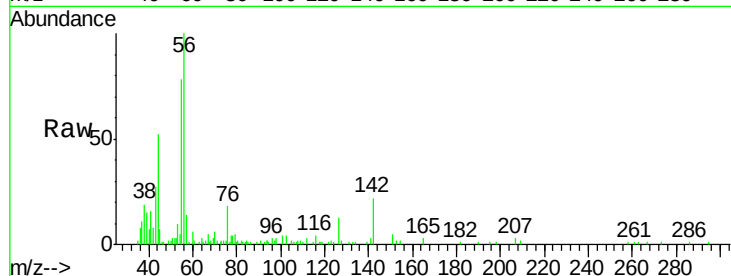
ICVVF040419

Tgt Ion: 56 Resp: 29664

Ion Ratio Lower Upper

56 100

55 77.7 63.5 95.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

12000

10000

8000

6000

4000

2000

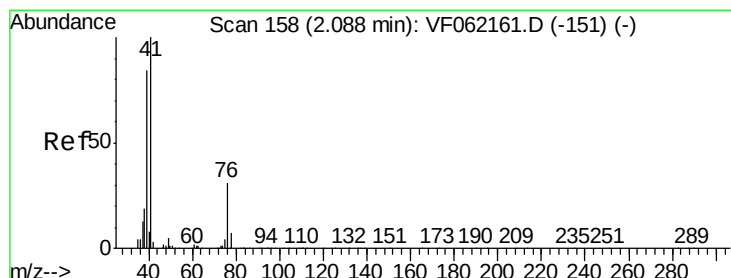
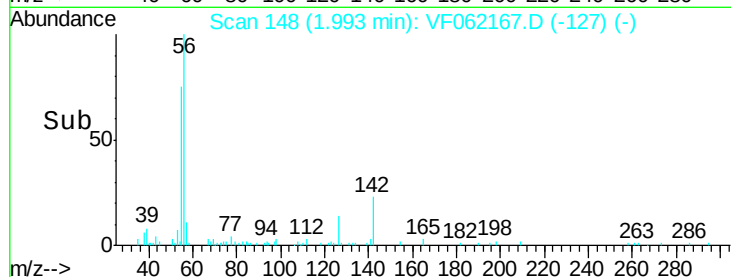
0

1.90

2.00

2.10

Time-->



#14

Allyl chloride

Concen: 60.116 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

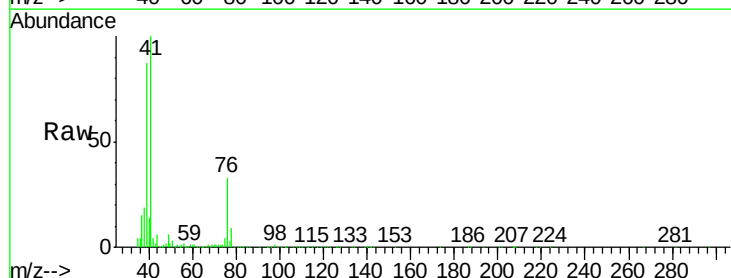
Tgt Ion: 41 Resp: 171581

Ion Ratio Lower Upper

41 100

39 86.5 67.6 101.4

76 32.7 25.7 38.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

100000

80000

60000

40000

20000

0

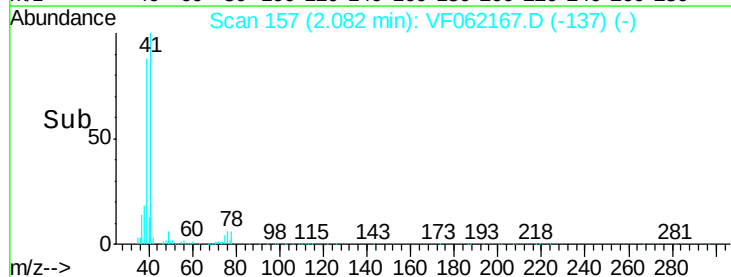
2.00

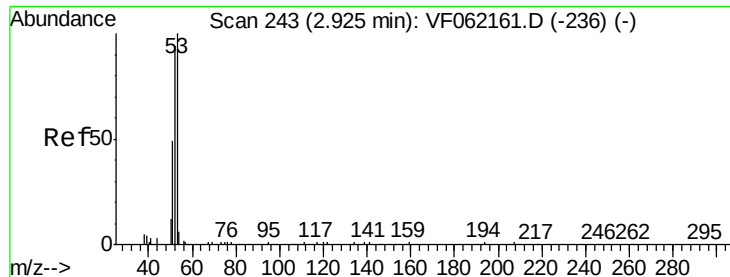
2.05

2.10

2.15

Time-->





#15

Acrylonitrile

Concen: 277.577 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

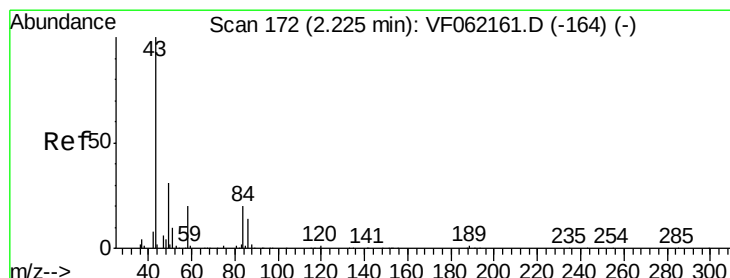
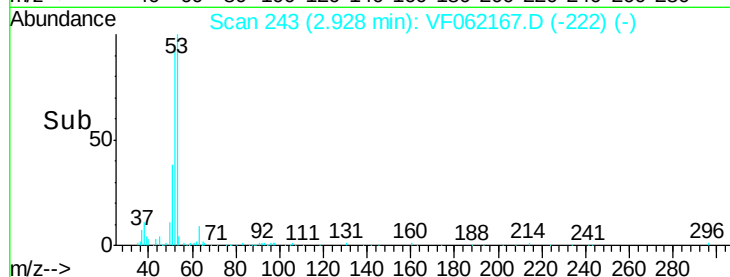
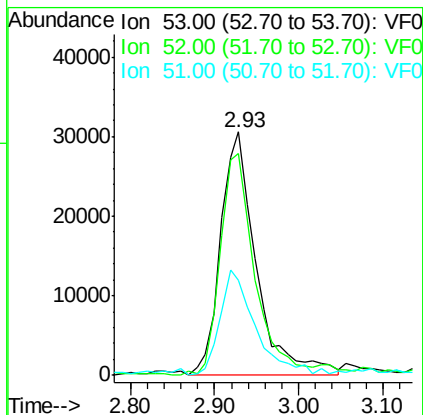
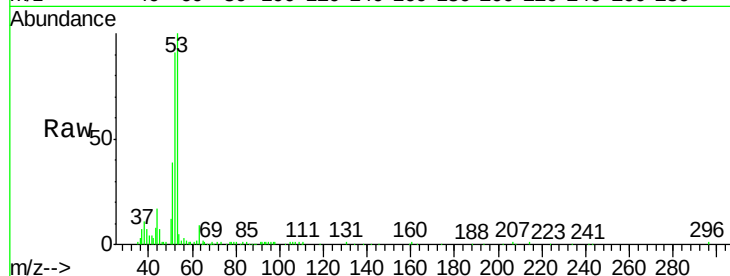
Tgt Ion: 53 Resp: 90126

Ion Ratio Lower Upper

53 100

52 91.2 75.5 113.3

51 39.0 39.7 59.5#



#16

Acetone

Concen: 268.854 ug/l

RT: 2.23 min Scan# 172

Delta R.T. 0.00 min

Lab File: VF062167.D

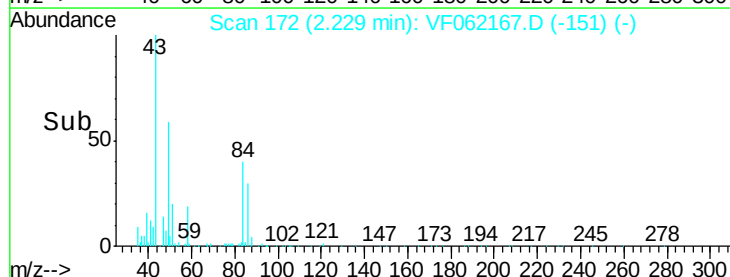
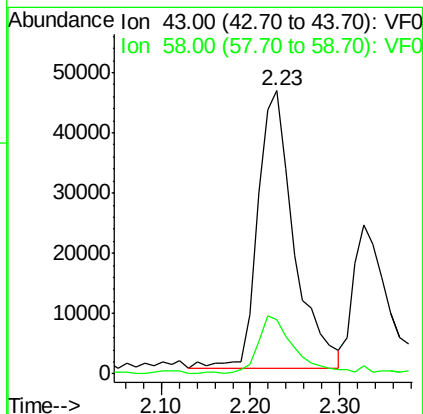
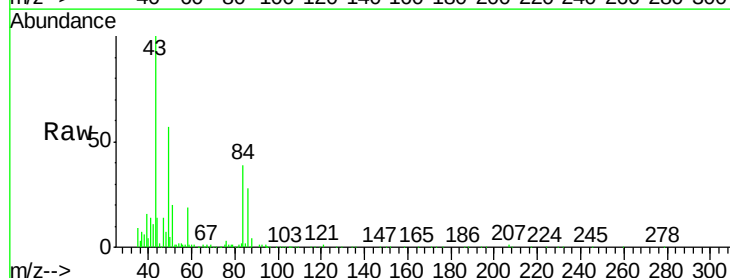
Acq: 4 Apr 2019 20:56

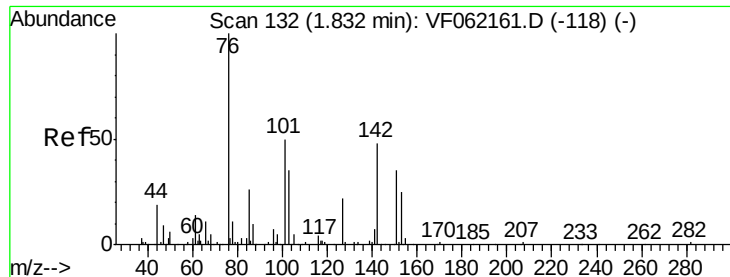
Tgt Ion: 43 Resp: 128119

Ion Ratio Lower Upper

43 100

58 19.2 15.7 23.5





#17

Carbon Disulfide

Concen: 46.772 ug/l

RT: 1.82 min Scan# 130

Delta R.T. -0.02 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

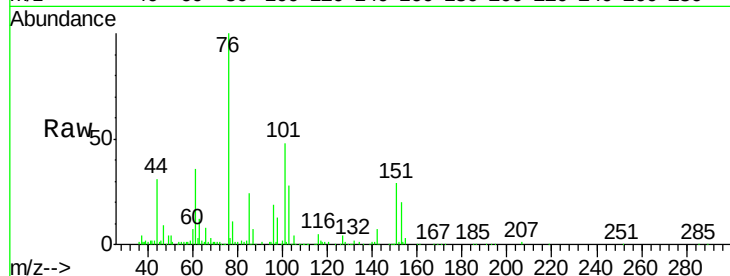
ICVVF040419

Tgt Ion: 76 Resp: 325063

Ion Ratio Lower Upper

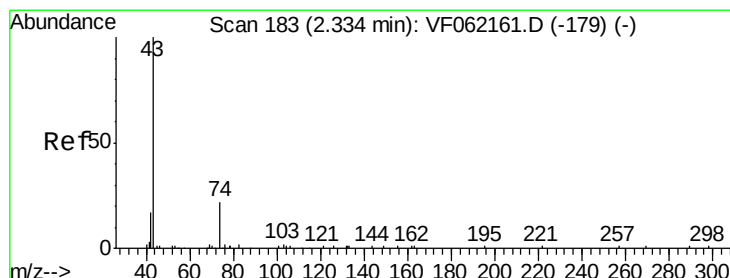
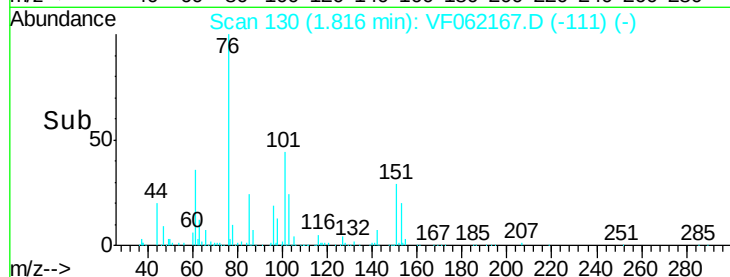
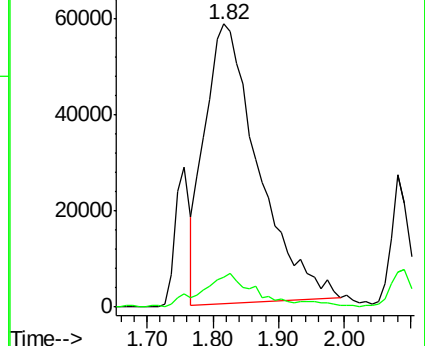
76 100

78 10.5 8.6 13.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 46.986 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF062167.D

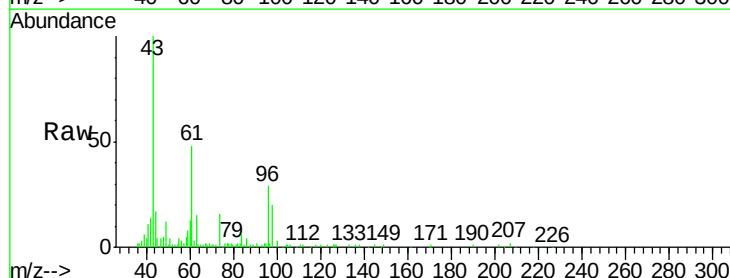
Acq: 4 Apr 2019 20:56

Tgt Ion: 43 Resp: 51269

Ion Ratio Lower Upper

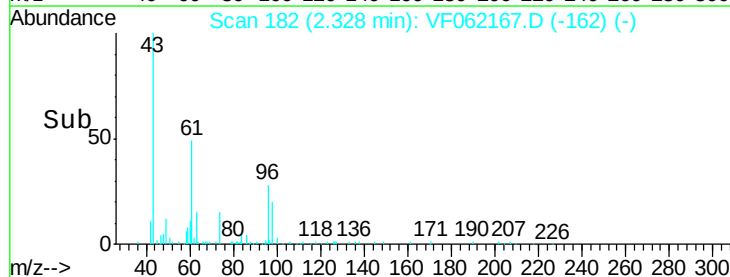
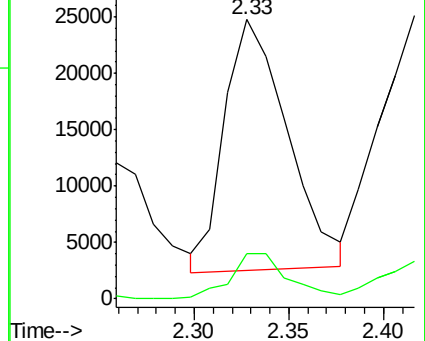
43 100

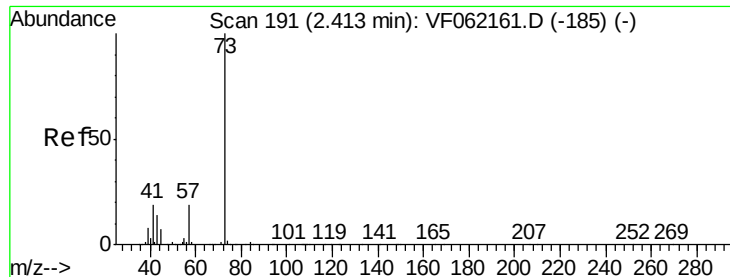
74 16.2 14.3 21.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



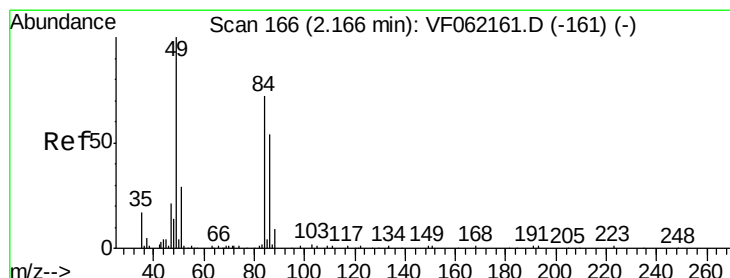
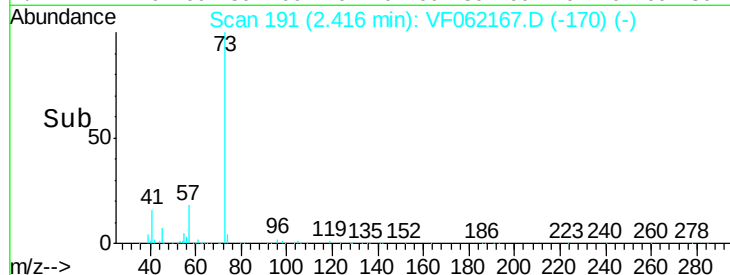
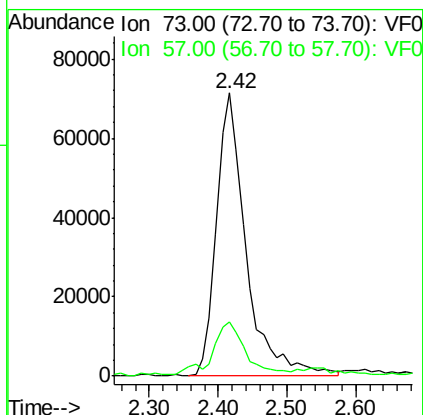
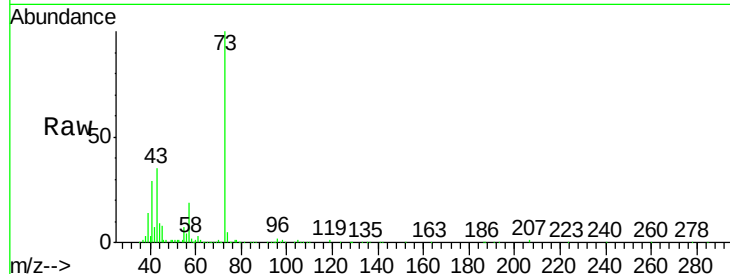


#19

Methyl tert-butyl Ether
Concen: 53.784 ug/l
RT: 2.42 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

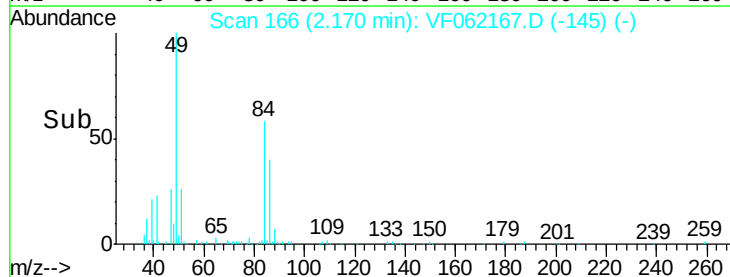
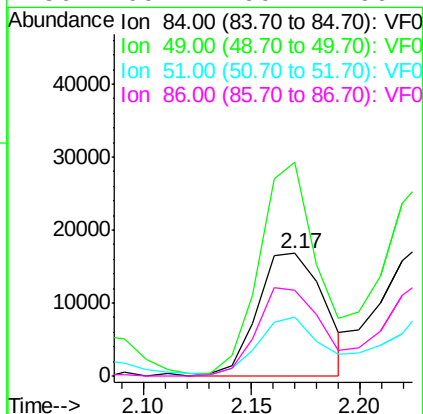
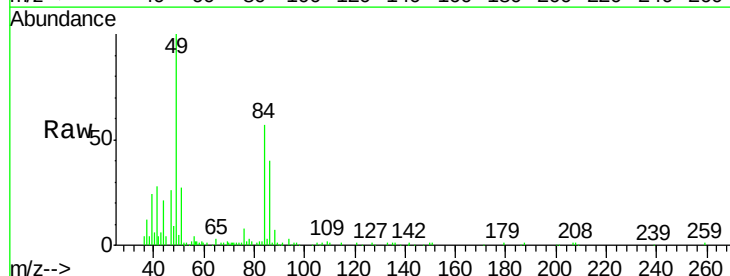
Tgt Ion: 73 Resp: 211960
Ion Ratio Lower Upper
73 100
57 19.4 17.4 26.0

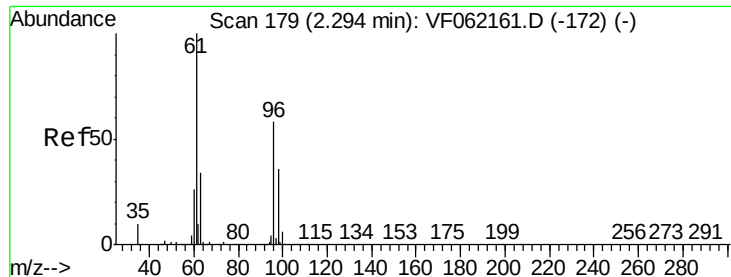


#20

Methylene Chloride
Concen: 13.728 ug/l
RT: 2.17 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion: 84 Resp: 36199
Ion Ratio Lower Upper
84 100
49 174.4 112.6 168.8#
51 47.7 33.4 50.2
86 69.7 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 53.002 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

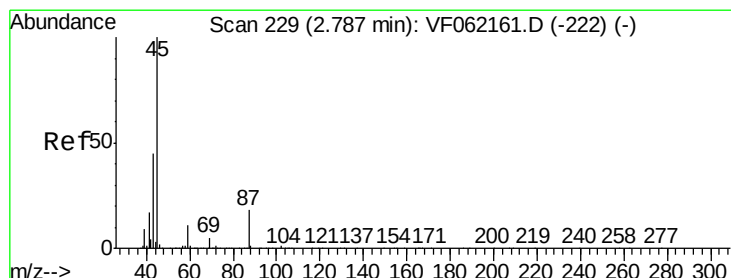
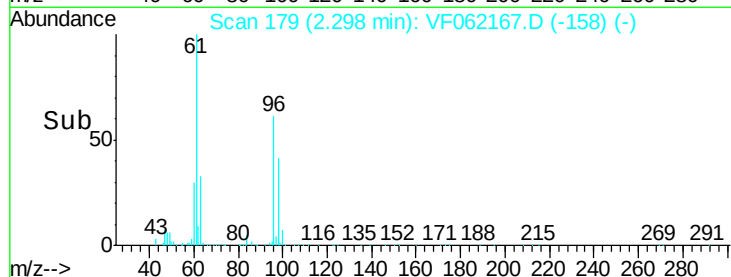
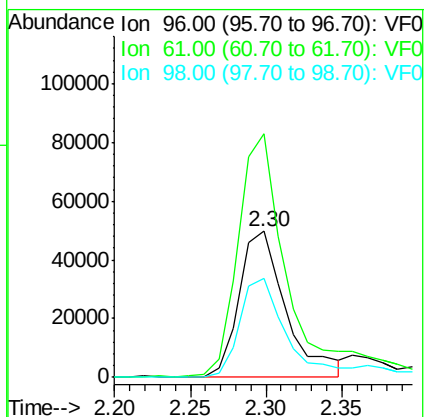
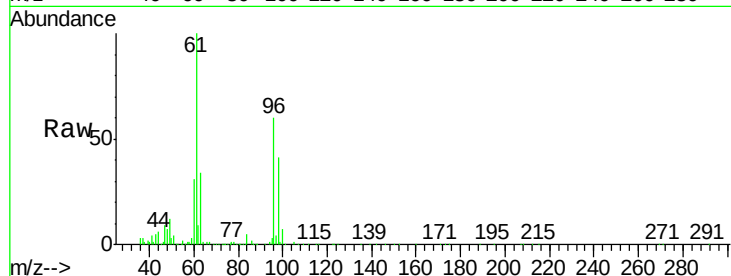
Tgt Ion: 96 Resp: 105757

Ion Ratio Lower Upper

96 100

61 166.9 137.4 206.0

98 67.9 49.4 74.0



#22

Diisopropyl ether

Concen: 56.994 ug/l

RT: 2.78 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Tgt Ion: 45 Resp: 373249

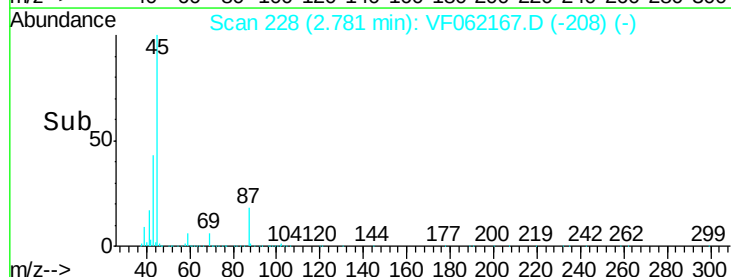
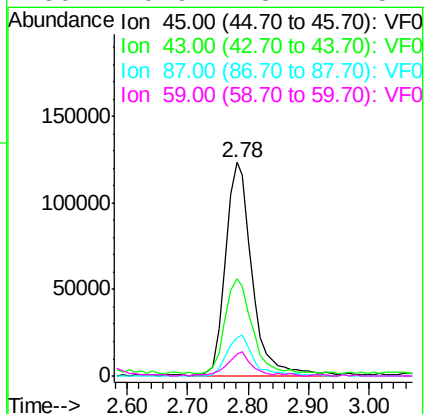
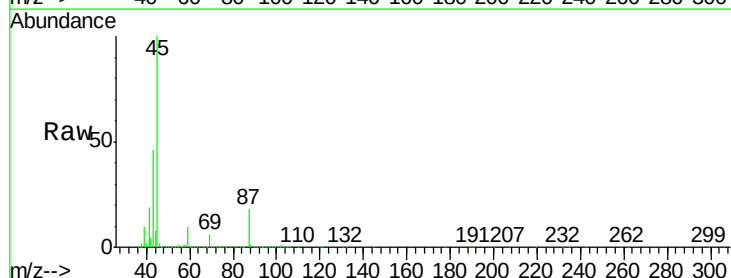
Ion Ratio Lower Upper

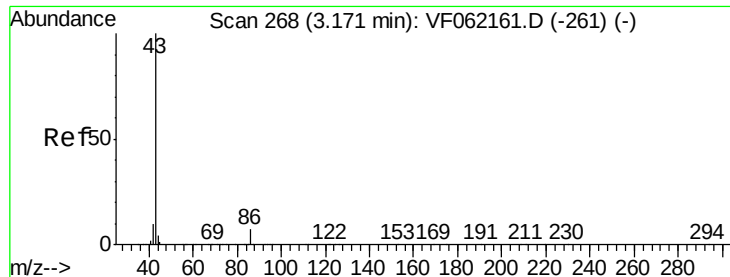
45 100

43 45.7 37.4 56.2

87 17.9 14.3 21.5

59 9.9 8.7 13.1





#23

Vinyl Acetate

Concen: 294.728 ug/l

RT: 3.16 min Scan# 267

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

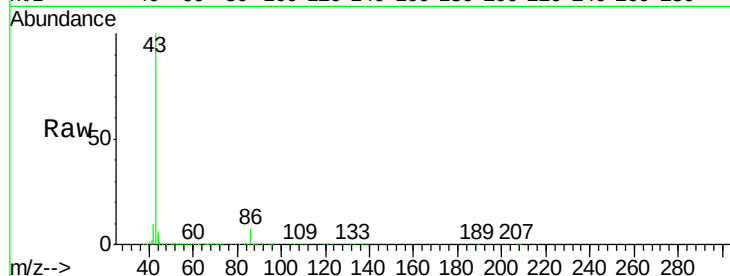
ICVVF040419

Tgt Ion: 43 Resp: 908680

Ion Ratio Lower Upper

43 100

86 7.0 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.16

400000

300000

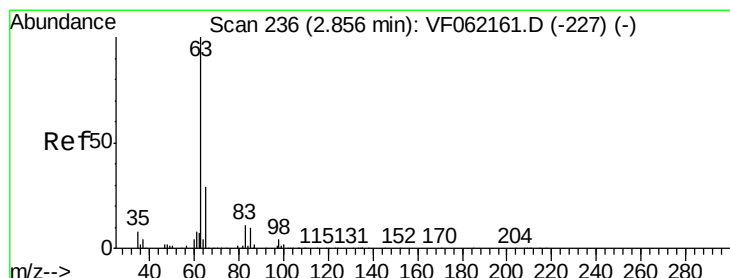
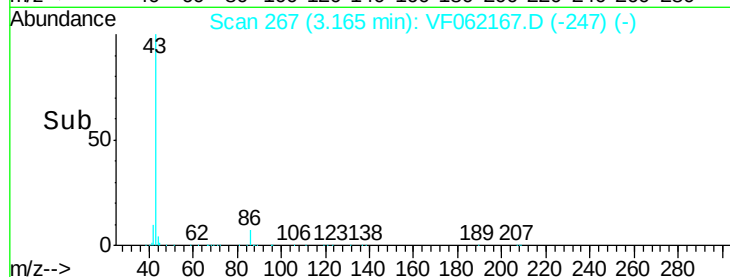
200000

100000

0

Time-->

3.00 3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 57.252 ug/l

RT: 2.85 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

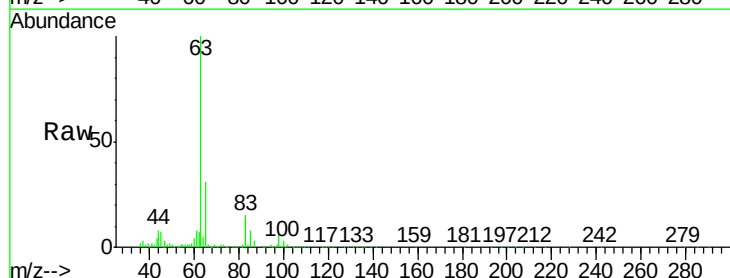
Tgt Ion: 63 Resp: 221583

Ion Ratio Lower Upper

63 100

98 5.5 2.0 6.0

100 3.5 1.0 3.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.85

100000

80000

60000

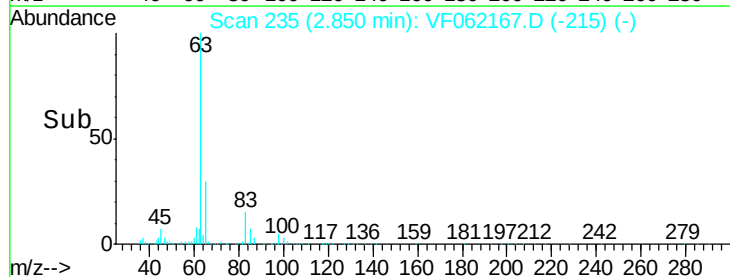
40000

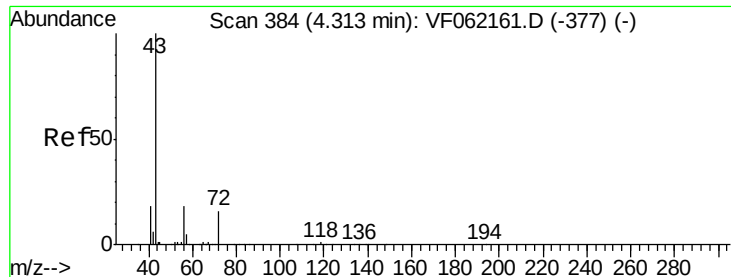
20000

0

Time-->

2.80 2.90 3.00





#25

2-Butanone

Concen: 270.205 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

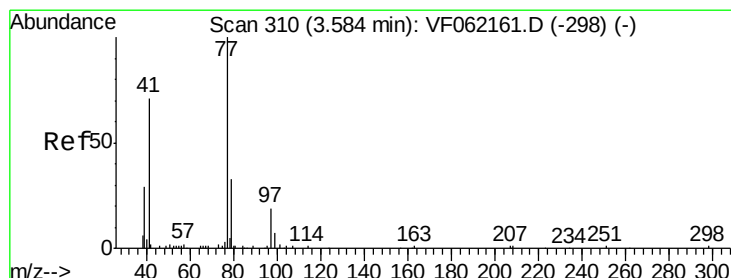
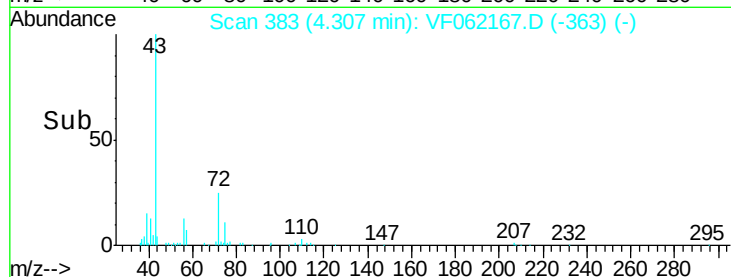
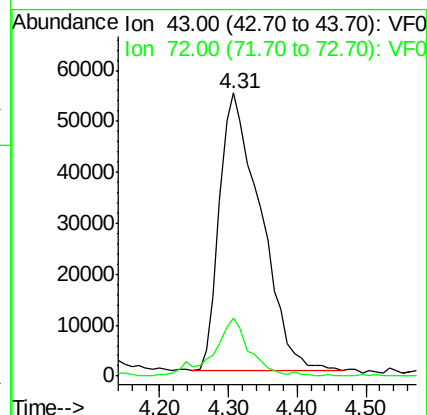
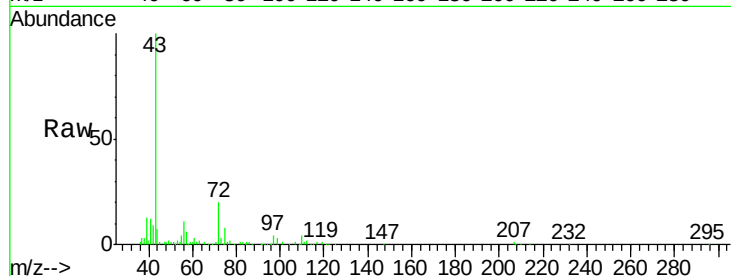
ICVVF040419

Tgt Ion: 43 Resp: 226981

Ion Ratio Lower Upper

43 100

72 20.4 16.4 24.6



#26

2,2-Dichloropropane

Concen: 54.535 ug/l

RT: 3.58 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062167.D

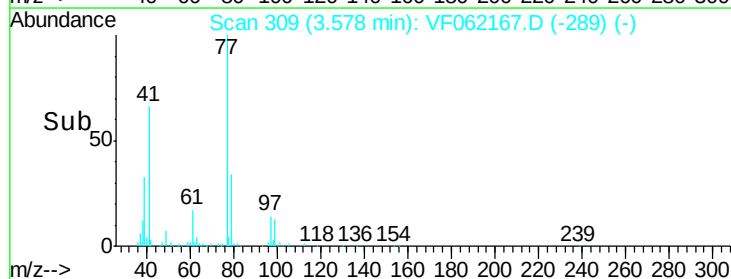
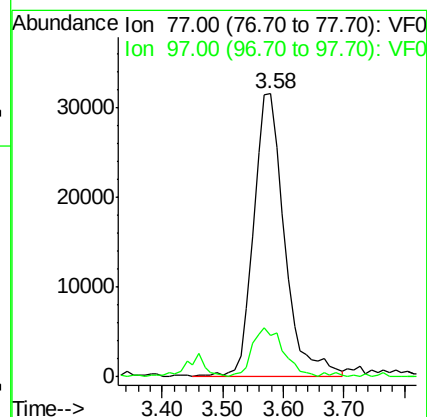
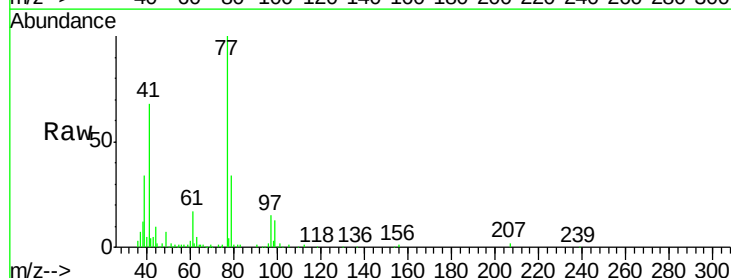
Acq: 4 Apr 2019 20:56

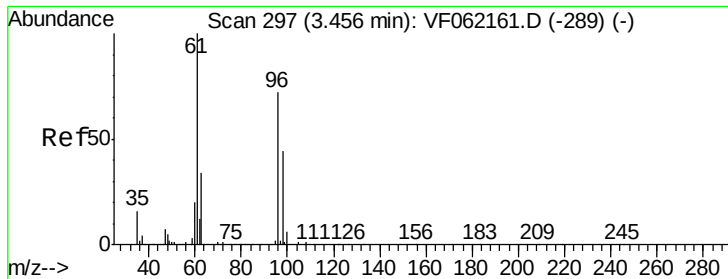
Tgt Ion: 77 Resp: 110990

Ion Ratio Lower Upper

77 100

97 14.6 11.4 34.2



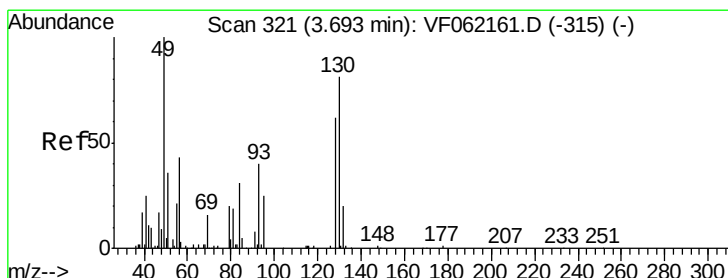
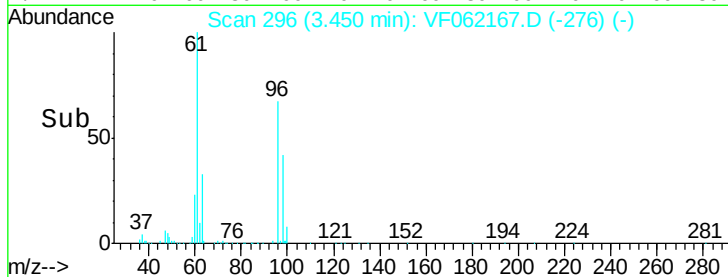
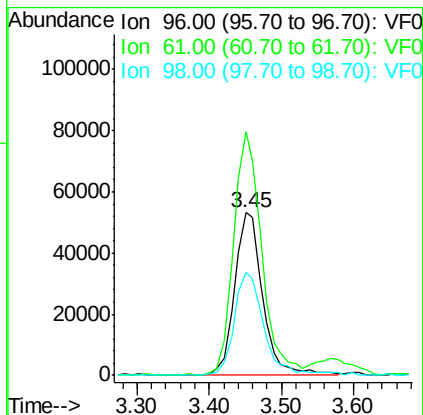
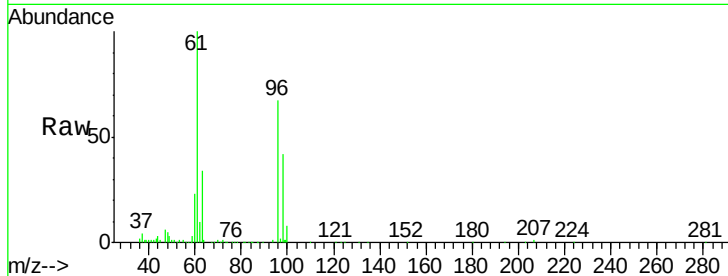


#27

cis-1,2-Dichloroethene
 Concen: 56.642 ug/l
 RT: 3.45 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

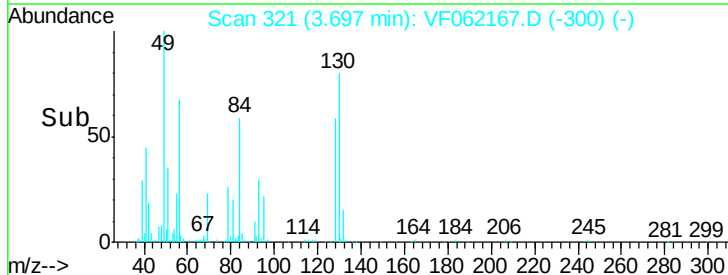
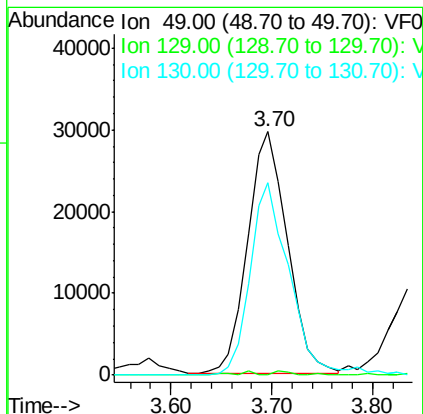
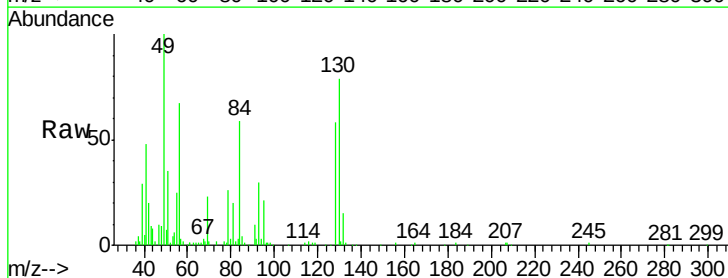
Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	278.2
98	62.8	0.0	122.2

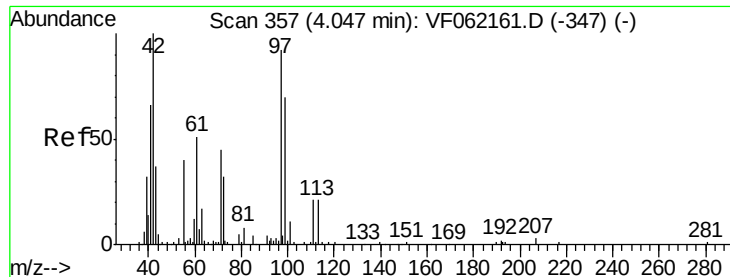


#28

Bromochloromethane
 Concen: 48.144 ug/l
 RT: 3.70 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	79.2	65.0	97.4





#29

Tetrahydrofuran

Concen: 270.992 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

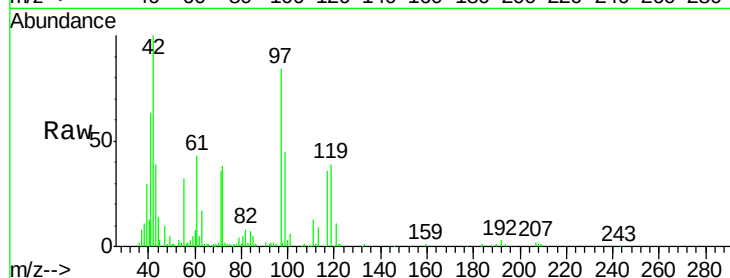
Tgt Ion: 42 Resp: 97382

Ion Ratio Lower Upper

42 100

72 38.3 30.9 46.3

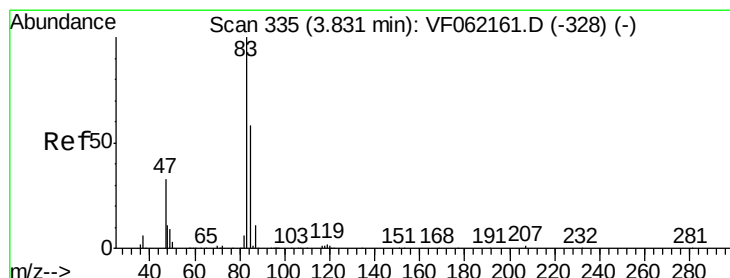
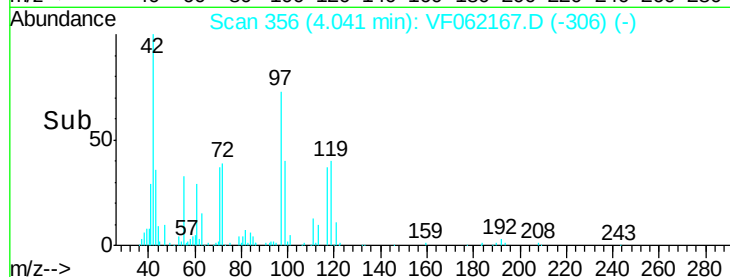
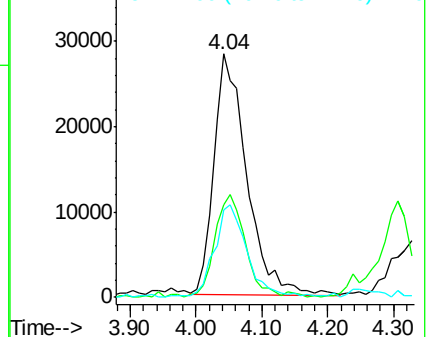
71 37.1 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 56.644 ug/l

RT: 3.83 min Scan# 335

Delta R.T. 0.00 min

Lab File: VF062167.D

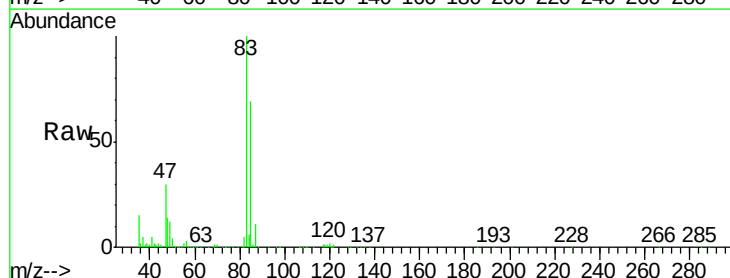
Acq: 4 Apr 2019 20:56

Tgt Ion: 83 Resp: 261713

Ion Ratio Lower Upper

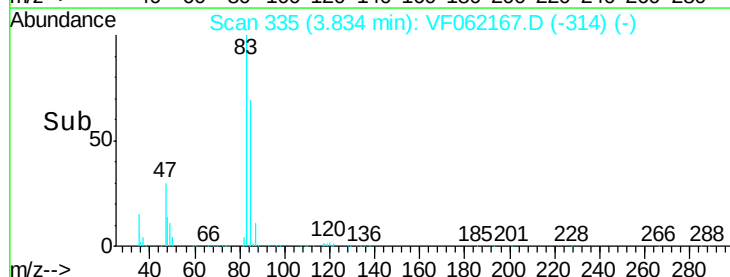
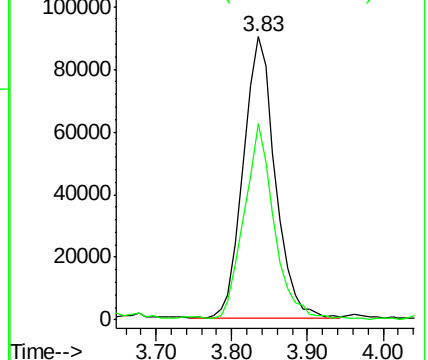
83 100

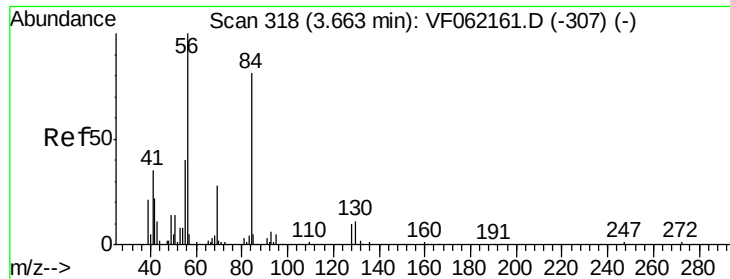
85 69.2 46.9 70.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 32.149 ug/l

RT: 3.68 min Scan# 319

Delta R.T. 0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

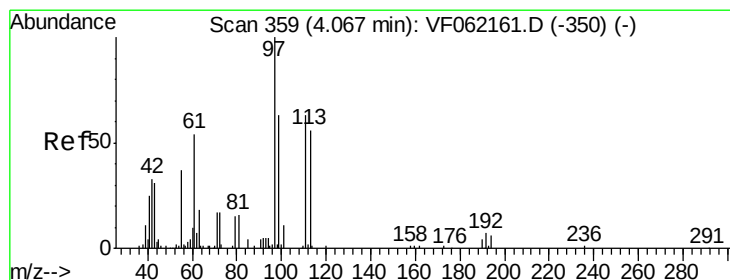
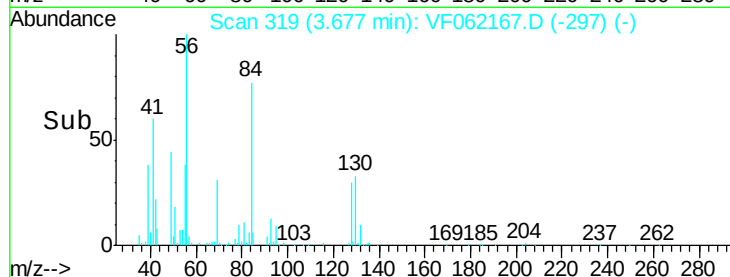
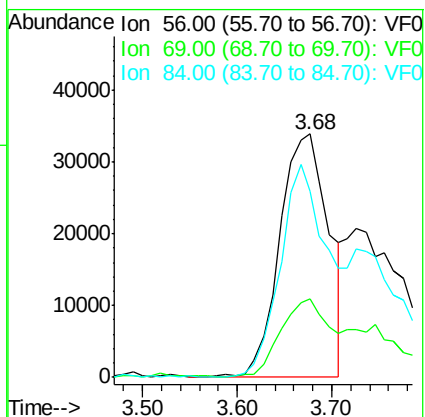
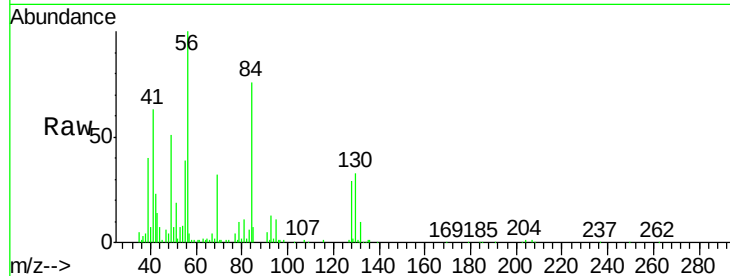
Tgt Ion: 56 Resp: 122095

Ion Ratio Lower Upper

56 100

69 32.1 23.0 34.4

84 76.4 64.4 96.6



#32

1,1,1-Trichloroethane

Concen: 65.600 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

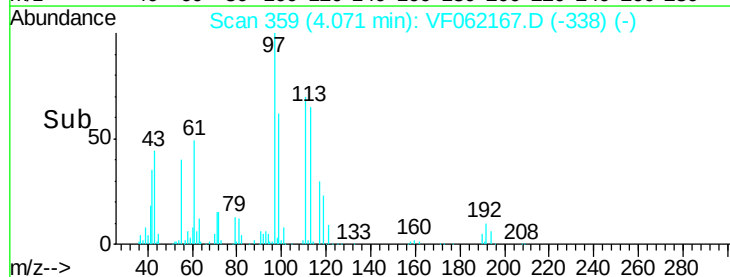
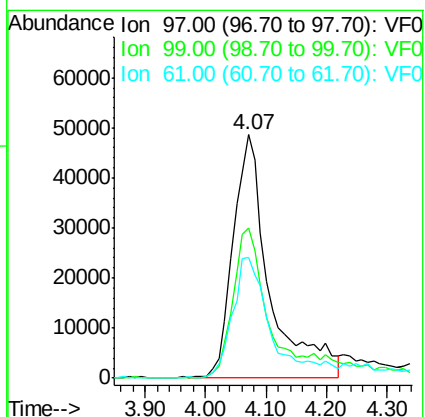
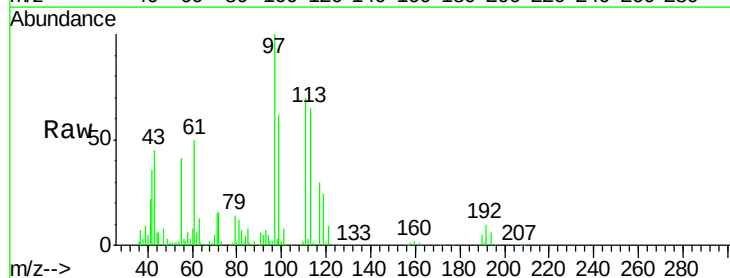
Tgt Ion: 97 Resp: 204624

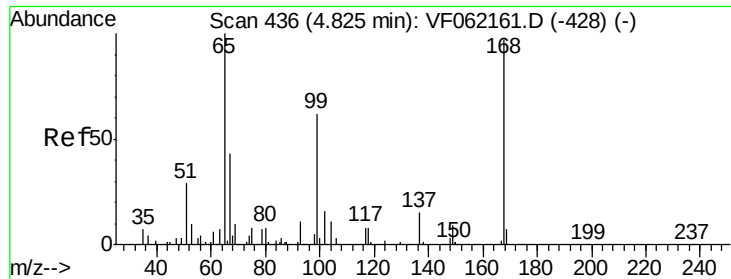
Ion Ratio Lower Upper

97 100

99 61.8 50.2 75.2

61 49.7 43.5 65.3





#33

1,2-Dichloroethane-d4

Concen: 55.062 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

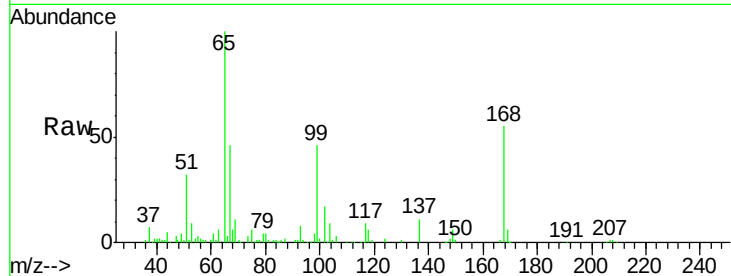
ICVVF040419

Tgt Ion: 65 Resp: 135578

Ion Ratio Lower Upper

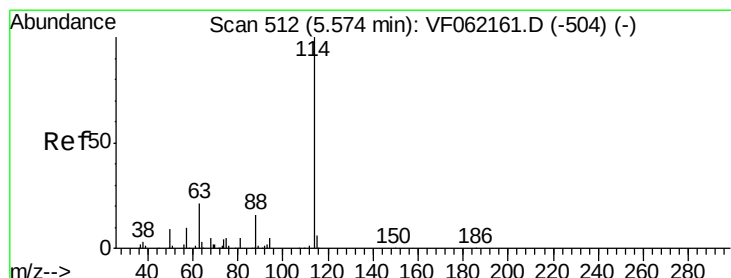
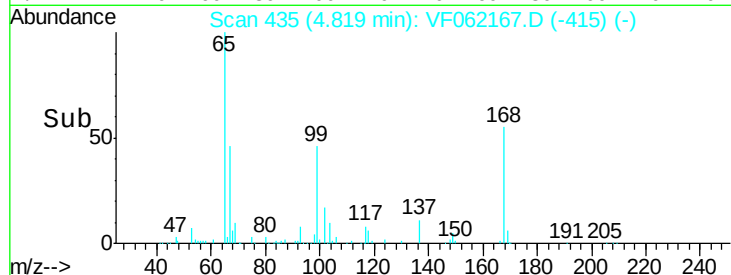
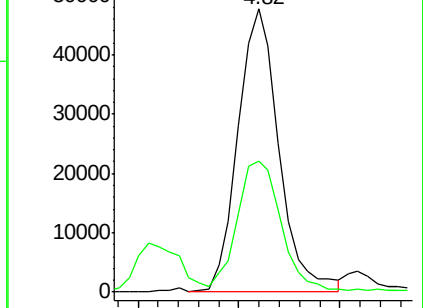
65 100

67 46.2 0.0 96.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 511

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

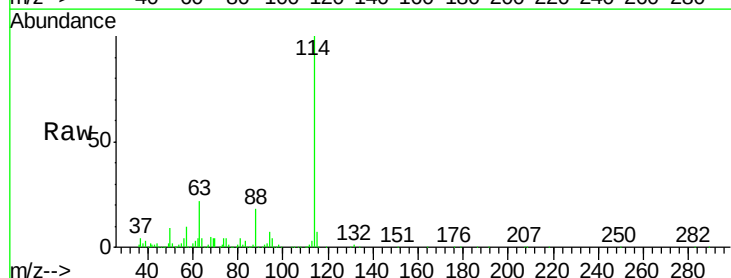
Tgt Ion: 114 Resp: 345844

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

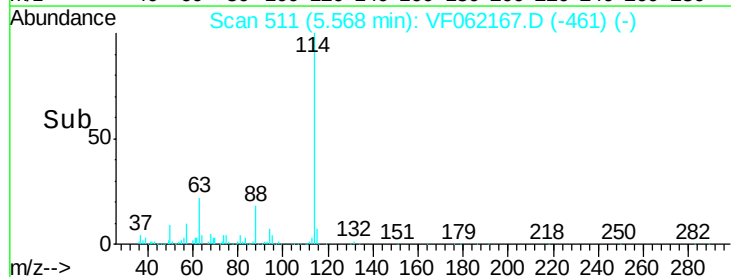
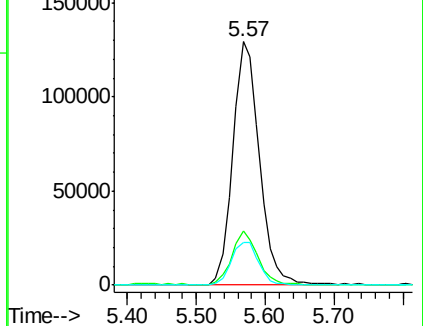
88 17.6 0.0 31.4

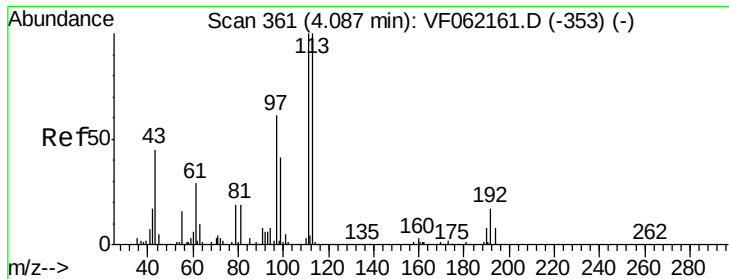


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 53.841 ug/l

RT: 4.08 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

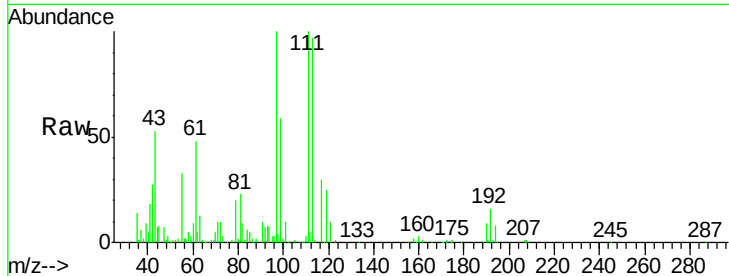
Tgt Ion:113 Resp: 141258

Ion Ratio Lower Upper

113 100

111 102.6 79.8 119.6

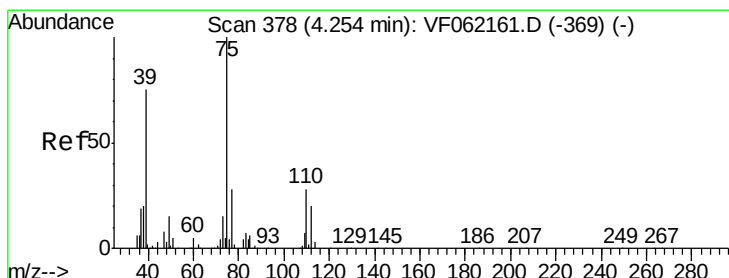
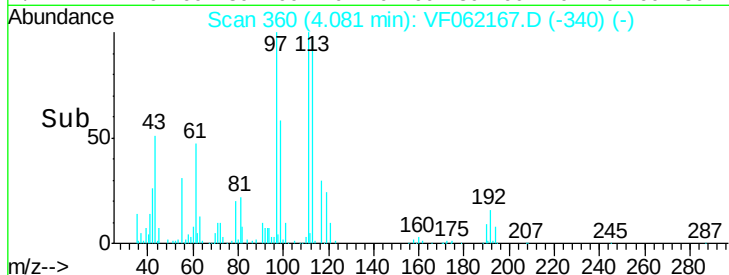
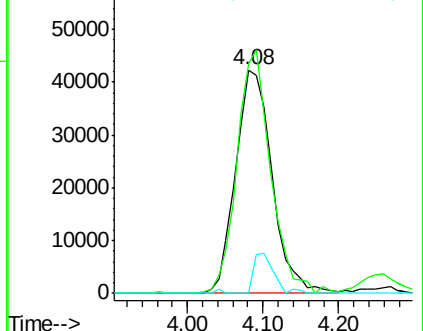
192 0.0 13.8 20.6#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 53.784 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

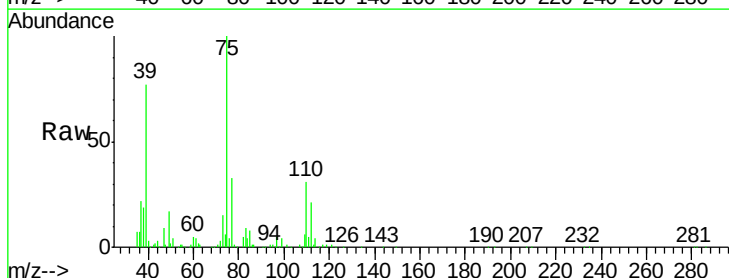
Tgt Ion: 75 Resp: 211087

Ion Ratio Lower Upper

75 100

110 31.4 13.9 41.7

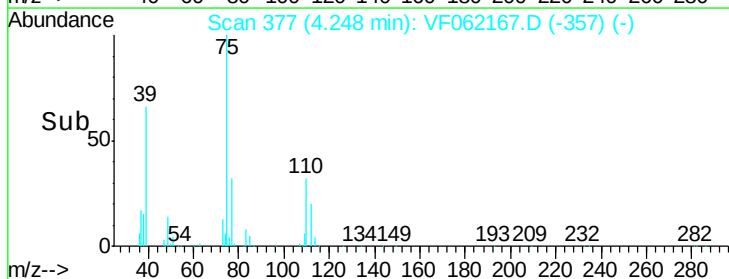
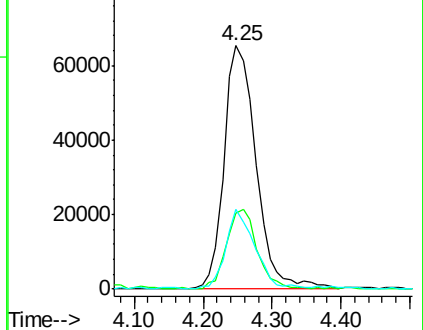
77 32.6 22.6 34.0

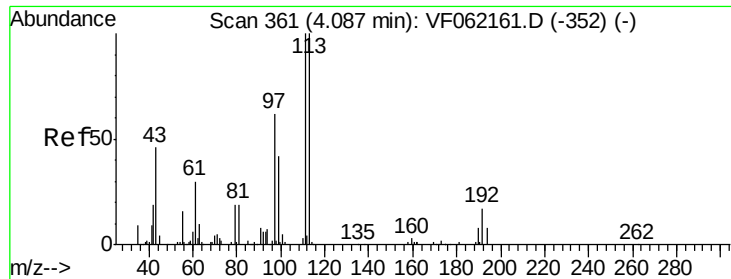


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

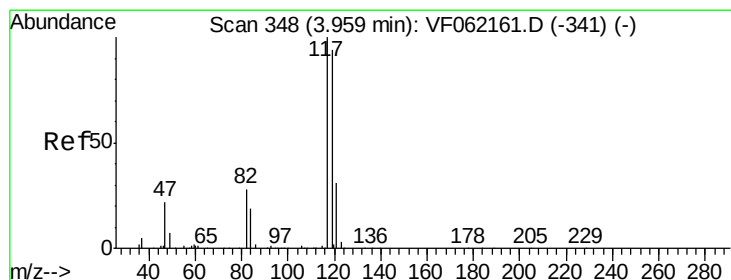
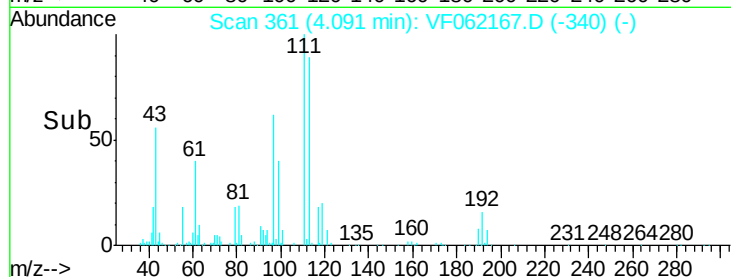
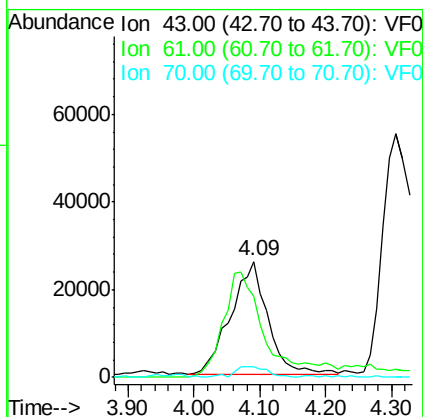
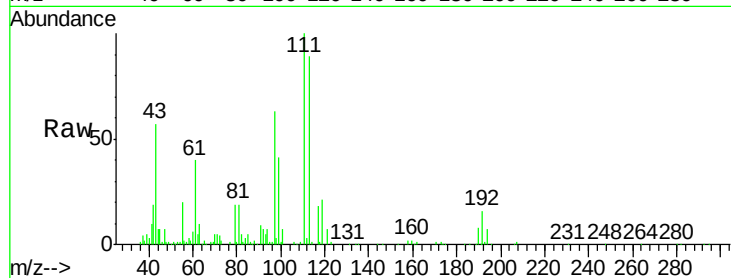




#37
Ethyl Acetate
Concen: 57.015 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

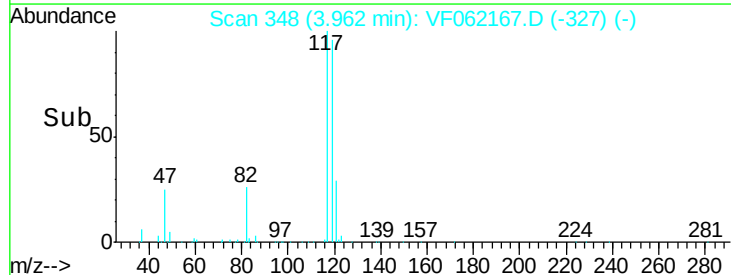
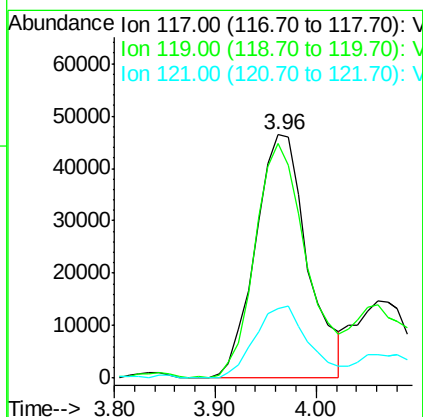
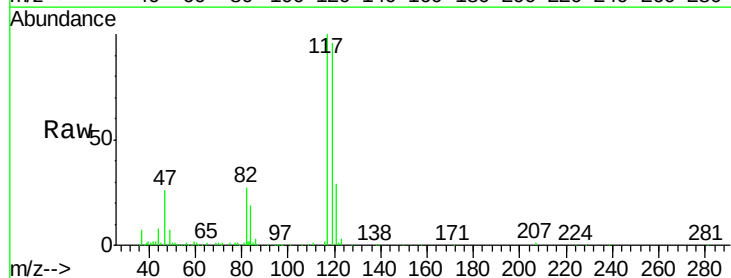
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

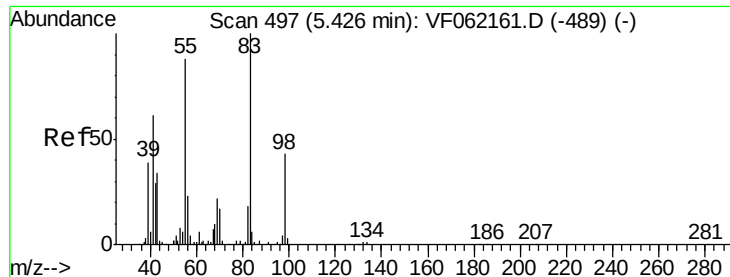
Tgt Ion: 43 Resp: 102434
Ion Ratio Lower Upper
43 100
61 70.1 52.3 78.5
70 8.9 6.4 9.6



#38
Carbon Tetrachloride
Concen: 55.508 ug/l
RT: 3.96 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion: 117 Resp: 166496
Ion Ratio Lower Upper
117 100
119 96.2 75.5 113.3
121 28.6 24.6 37.0

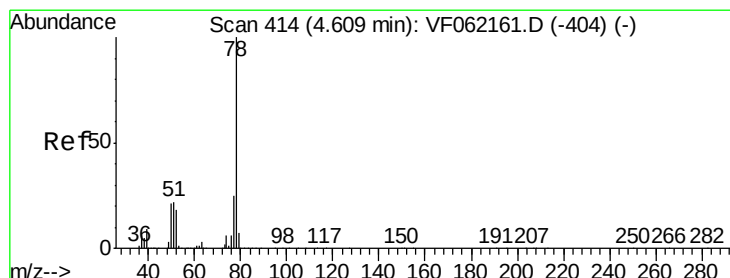
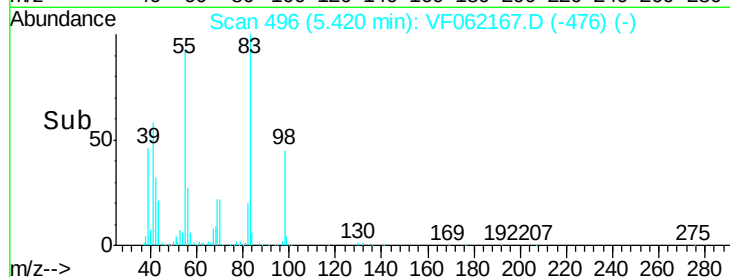
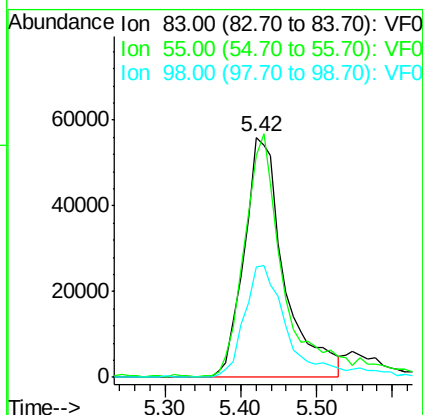
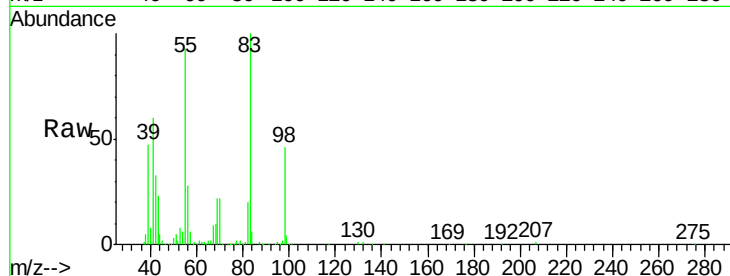




#39
Methylcyclohexane
Concen: 53.147 ug/l
RT: 5.42 min Scan# 496
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

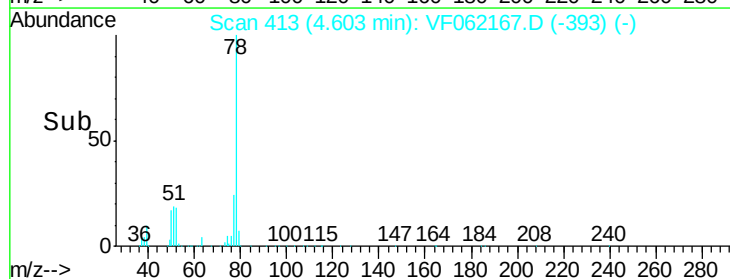
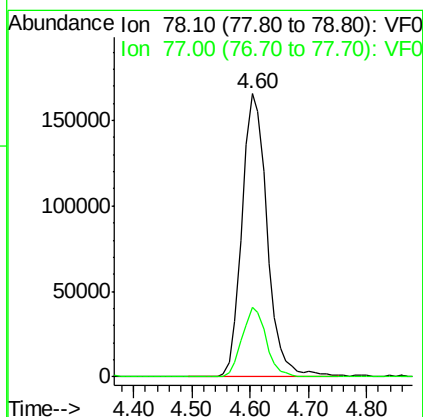
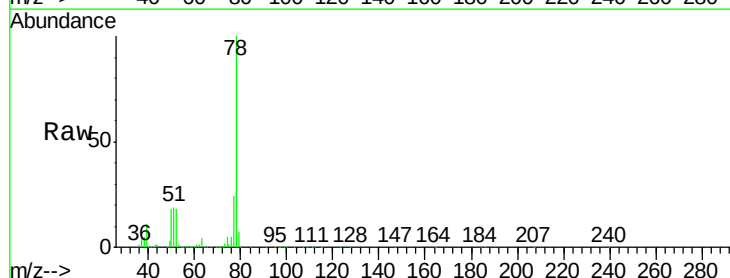
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

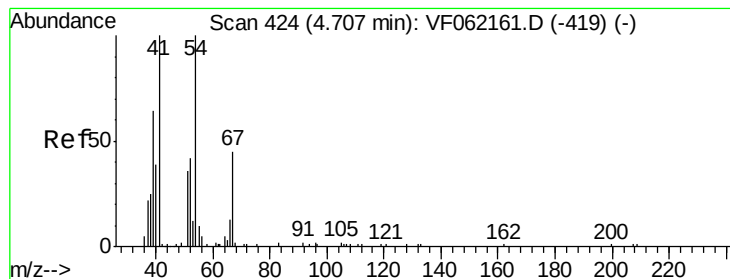
Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.6	70.7	106.1
98	45.9	34.6	51.8



#40
Benzene
Concen: 58.981 ug/l
RT: 4.60 min Scan# 413
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.9	29.9





#41

Methacrylonitrile

Concen: 56.313 ug/l

RT: 4.72 min Scan# 425

Delta R.T. 0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

Tgt Ion: 41 Resp: 52482

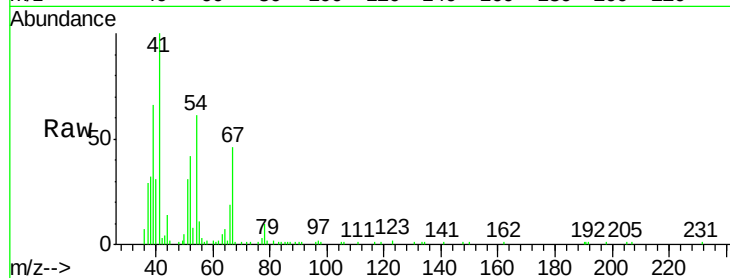
Ion Ratio Lower Upper

41 100

39 66.5 56.5 84.7

67 46.2 35.7 53.5

52 42.2 42.2 63.4#

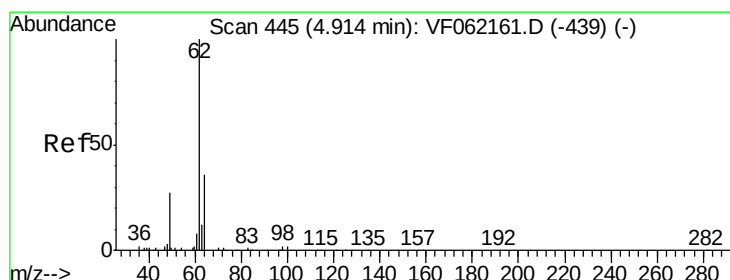
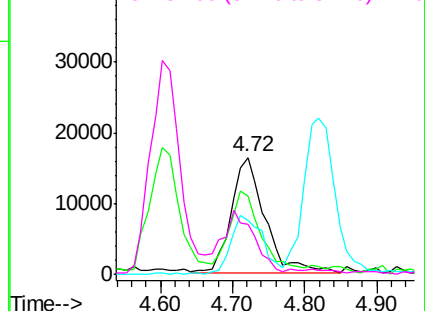
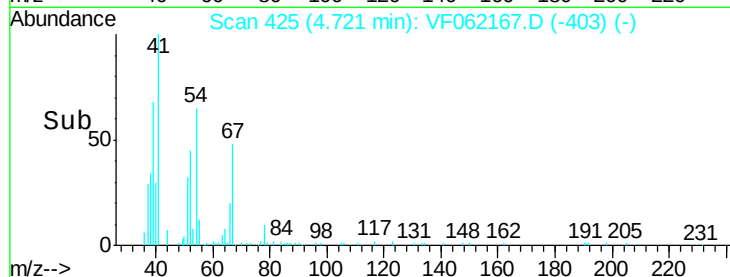


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 54.854 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF062167.D

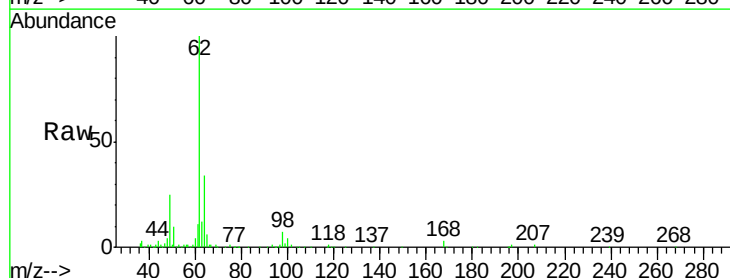
Acq: 4 Apr 2019 20:56

Tgt Ion: 62 Resp: 174274

Ion Ratio Lower Upper

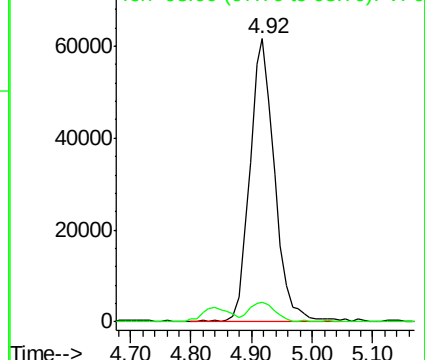
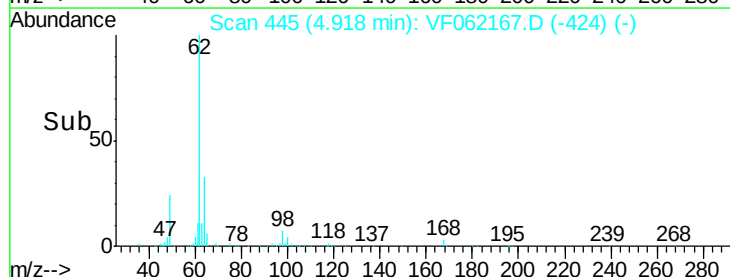
62 100

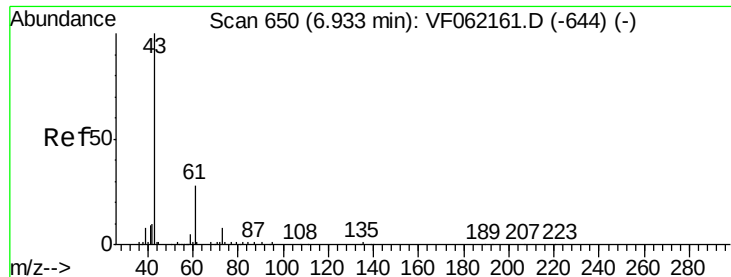
98 7.1 0.0 14.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 58.094 ug/l

RT: 6.94 min Scan# 650

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

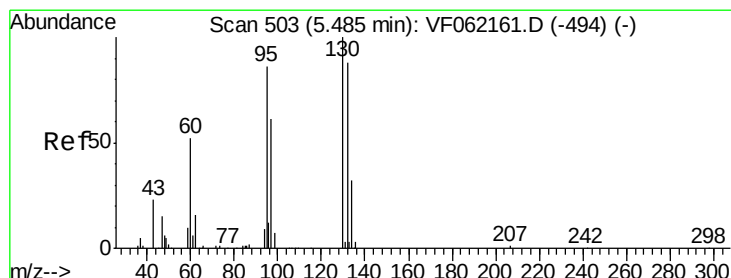
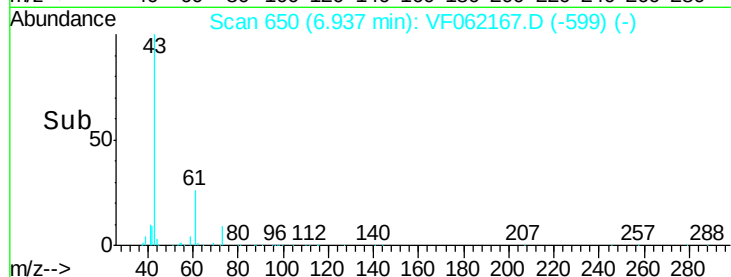
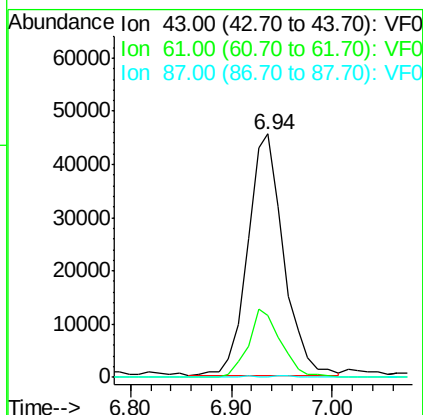
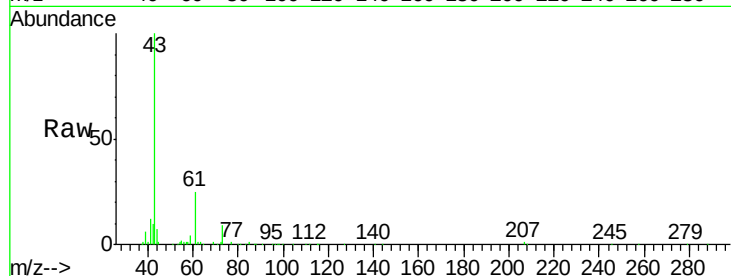
Tgt Ion: 43 Resp: 112457

Ion Ratio Lower Upper

43 100

61 25.2 22.5 33.7

87 0.3 0.5 0.7#



#44

Trichloroethene

Concen: 55.829 ug/l

RT: 5.48 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF062167.D

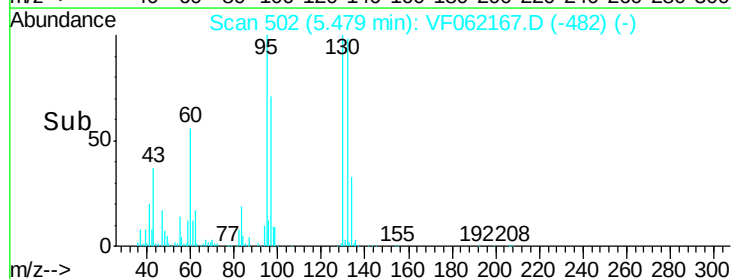
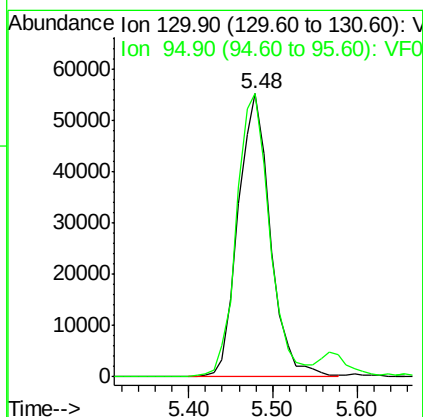
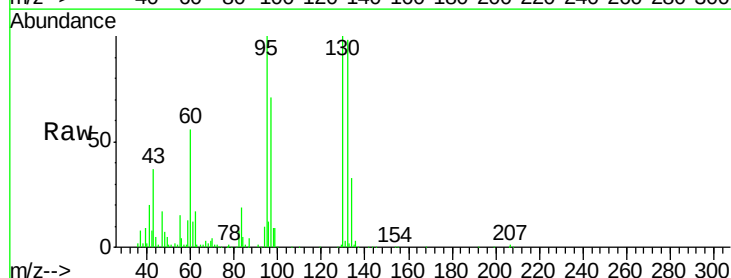
Acq: 4 Apr 2019 20:56

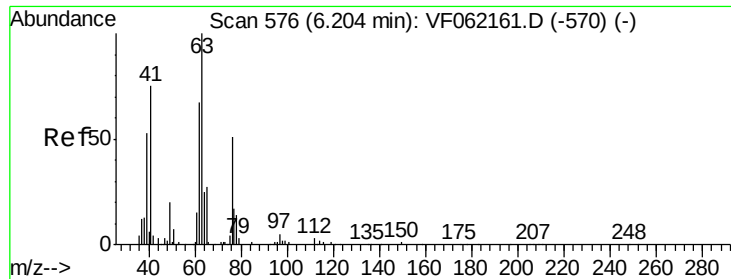
Tgt Ion: 130 Resp: 147189

Ion Ratio Lower Upper

130 100

95 100.1 0.0 172.2

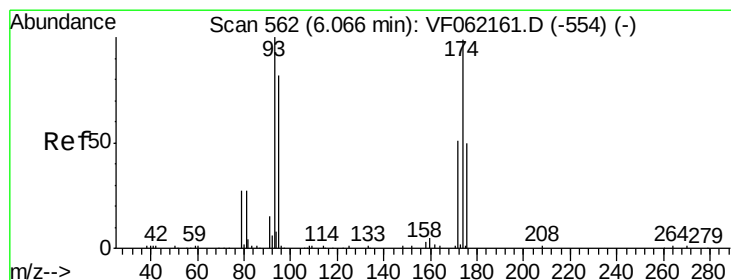
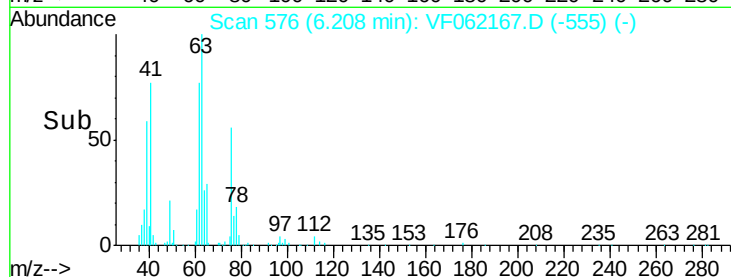
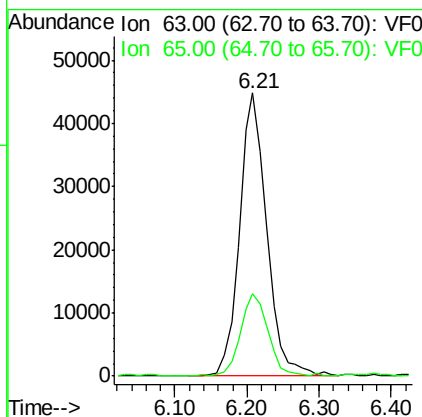
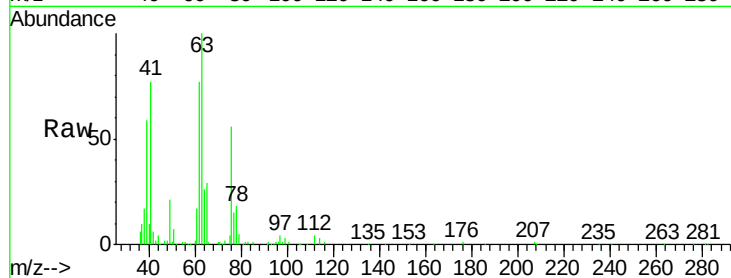




#45
 1,2-Dichloropropane
 Concen: 58.271 ug/l
 RT: 6.21 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

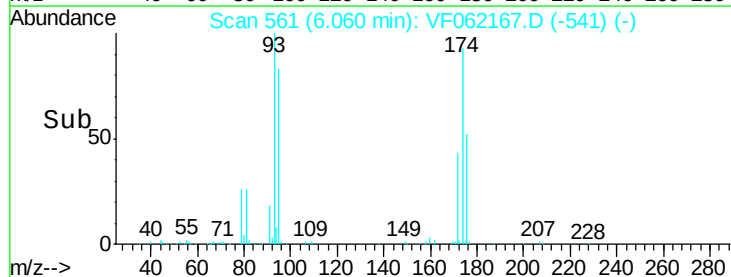
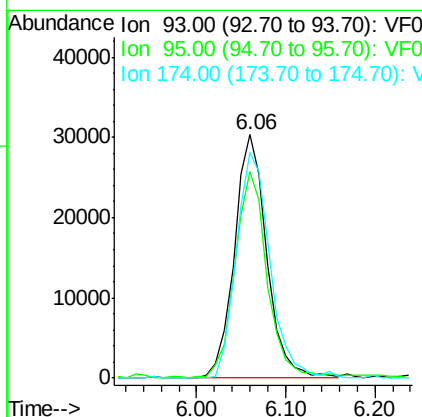
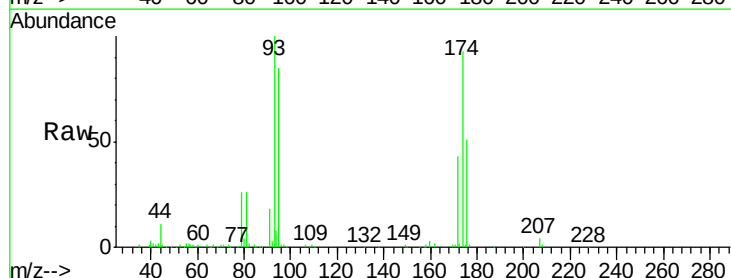
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

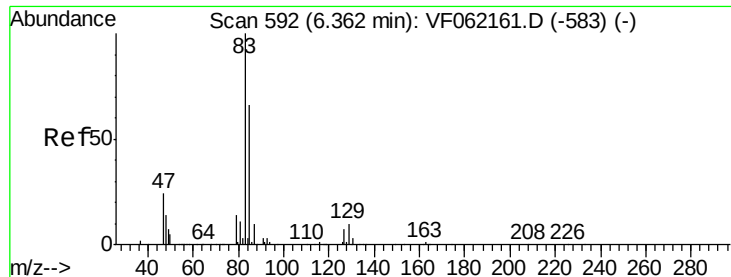
Tgt Ion: 63 Resp: 117887
 Ion Ratio Lower Upper
 63 100
 65 28.9 21.8 32.6



#46
 Dibromomethane
 Concen: 55.789 ug/l
 RT: 6.06 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion: 93 Resp: 76523
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.5 99.7
 174 92.7 79.2 118.8





#47

Bromodichloromethane

Concen: 53.792 ug/l

RT: 6.37 min Scan# 592

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

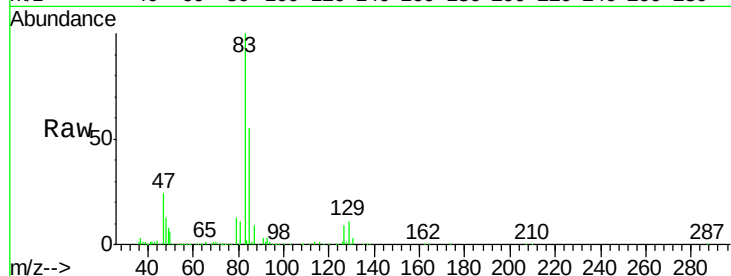
Tgt Ion: 83 Resp: 199352

Ion Ratio Lower Upper

83 100

85 54.8 52.9 79.3

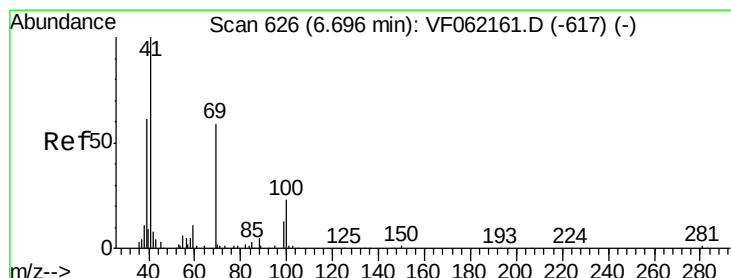
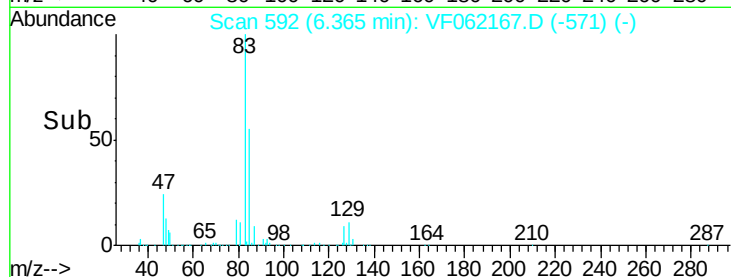
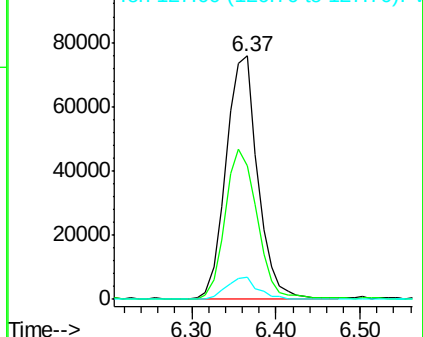
127 9.1 5.9 8.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 60.023 ug/l

RT: 6.69 min Scan# 625

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

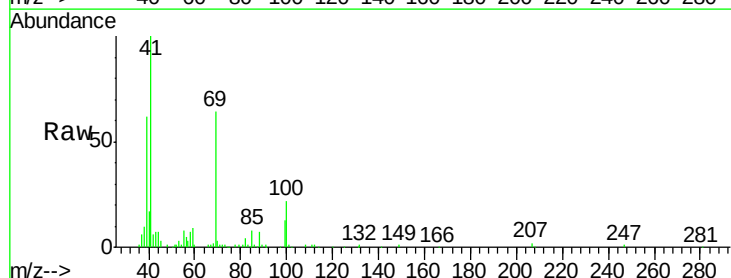
Tgt Ion: 41 Resp: 77430

Ion Ratio Lower Upper

41 100

69 64.4 46.7 70.1

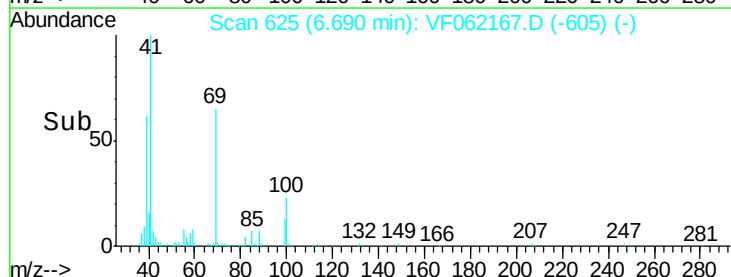
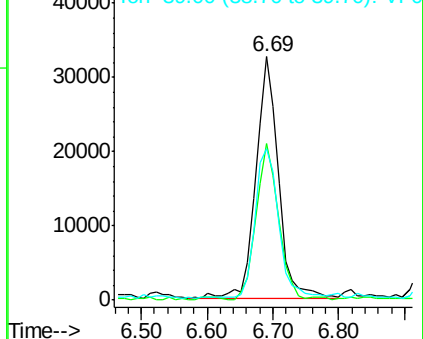
39 62.0 51.4 77.0

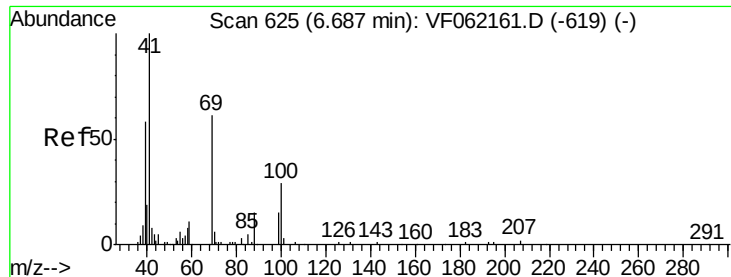


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

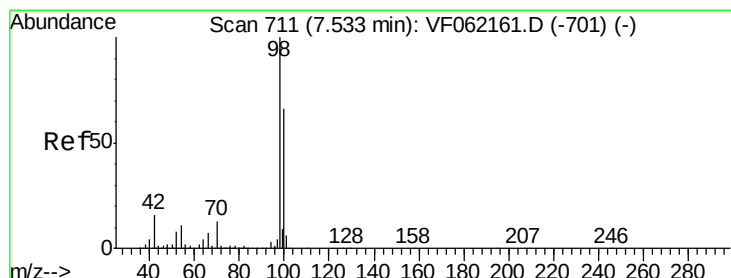
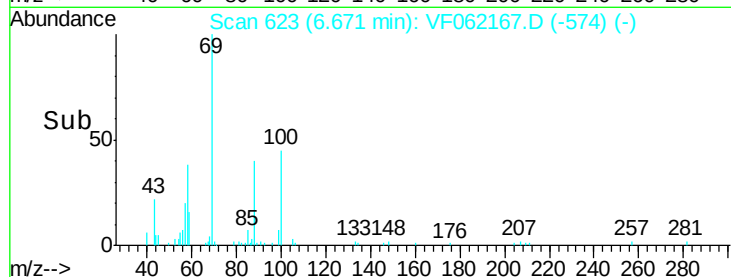
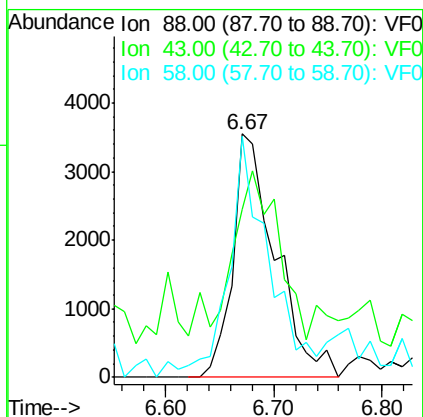
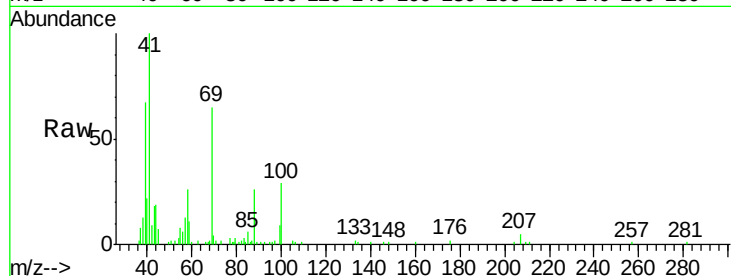




#49
1,4-Dioxane
Concen: 1129.088 ug/l
RT: 6.67 min Scan# 623
Delta R.T. -0.02 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

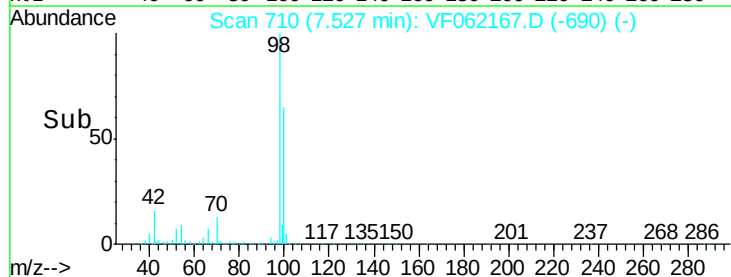
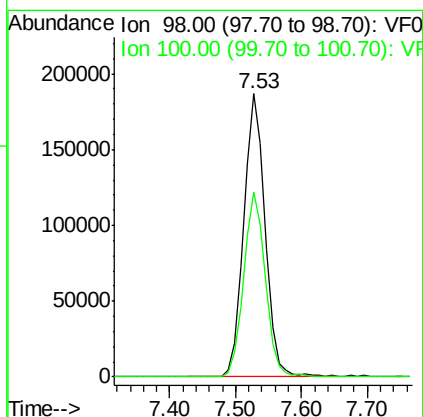
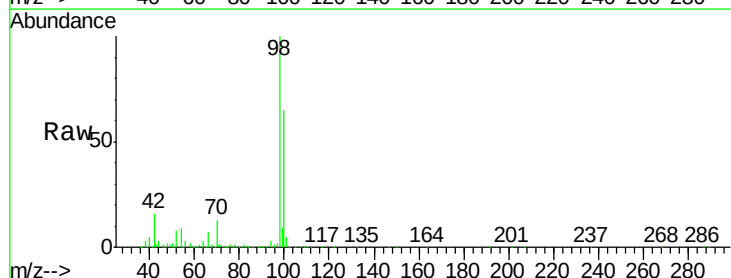
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

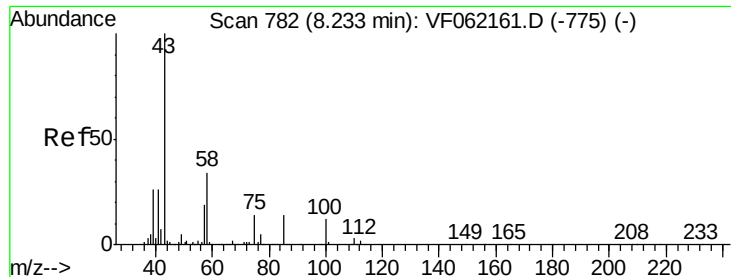
Tgt Ion: 88 Resp: 9710
Ion Ratio Lower Upper
88 100
43 69.3 51.0 76.6
58 98.9 41.3 61.9#



#50
Toluene-d8
Concen: 55.946 ug/l
RT: 7.53 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion: 98 Resp: 426699
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

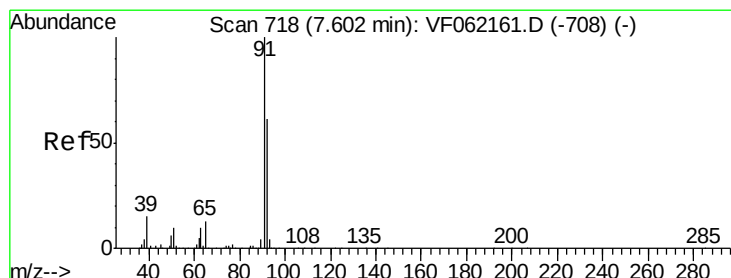
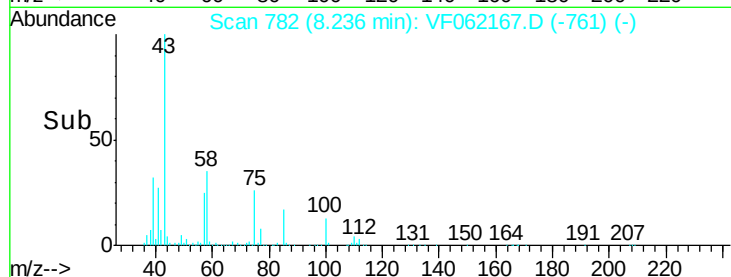
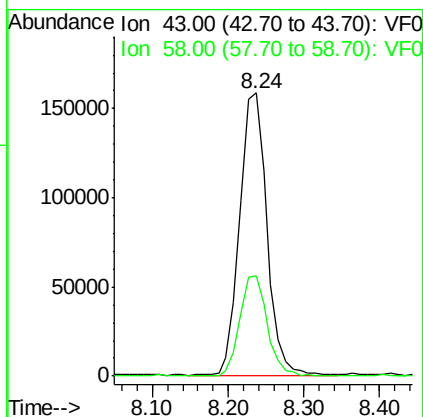
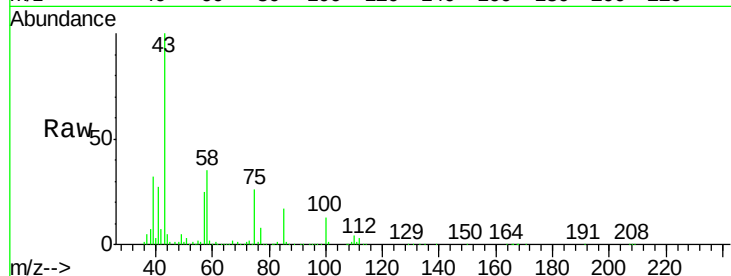




#51
 4-Methyl-2-Pentanone
 Concen: 269.171 ug/l
 RT: 8.24 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

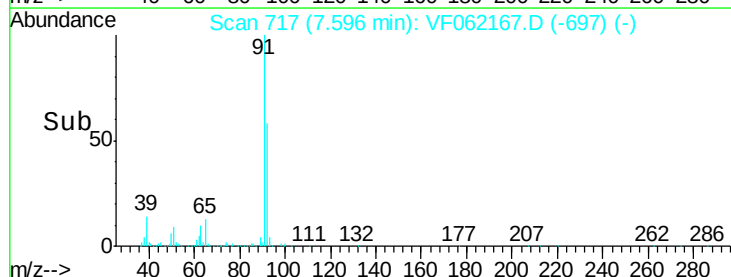
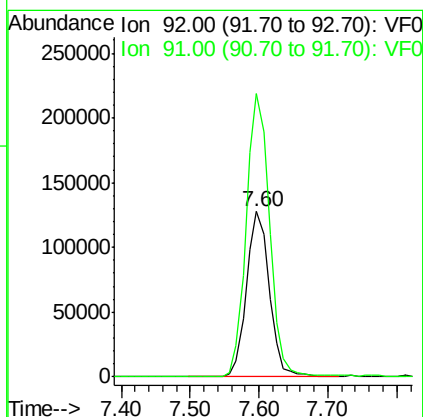
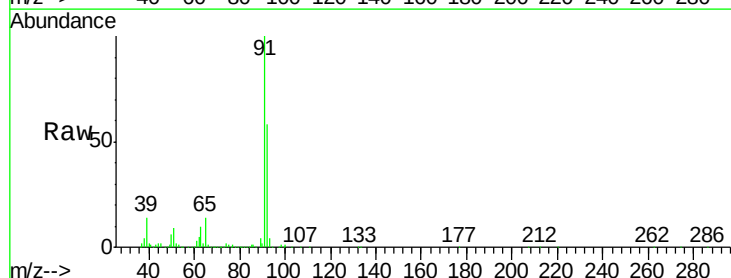
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

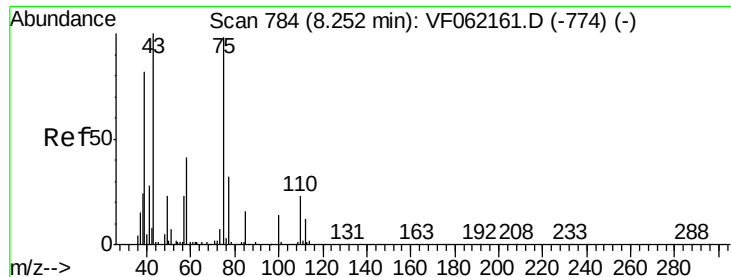
Tgt Ion: 43 Resp: 393488
 Ion Ratio Lower Upper
 43 100
 58 35.3 27.0 40.4



#52
 Toluene
 Concen: 54.315 ug/l
 RT: 7.60 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion: 92 Resp: 296215
 Ion Ratio Lower Upper
 92 100
 91 171.3 130.8 196.2

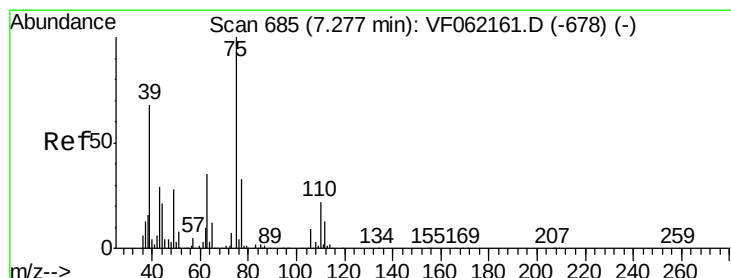
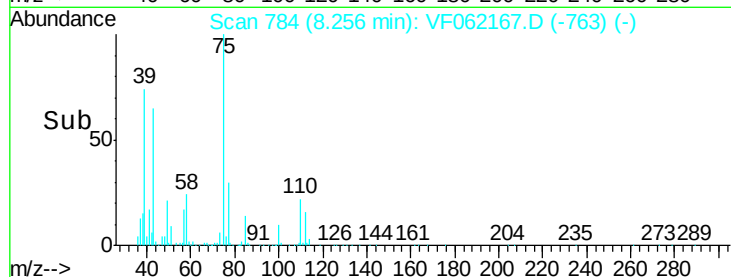
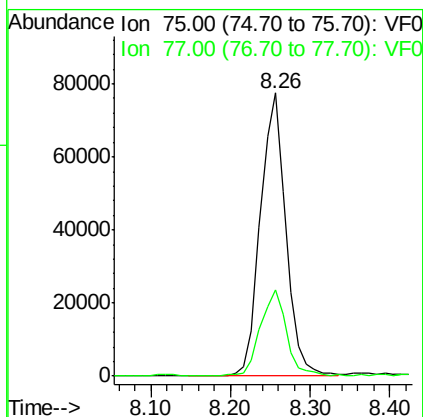
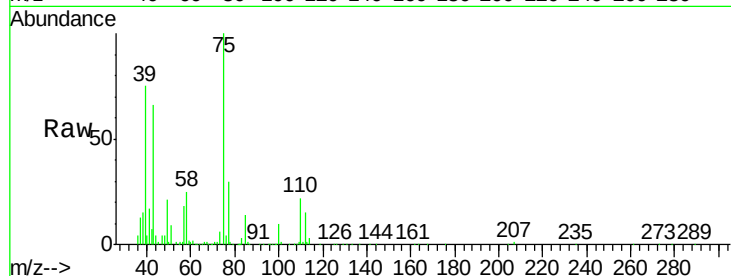




#53
t-1,3-Dichloropropene
Concen: 57.138 ug/l
RT: 8.26 min Scan# 784
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

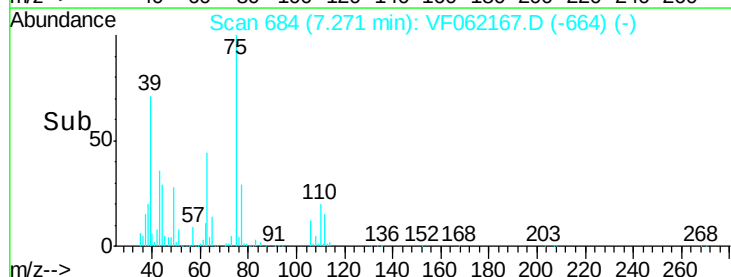
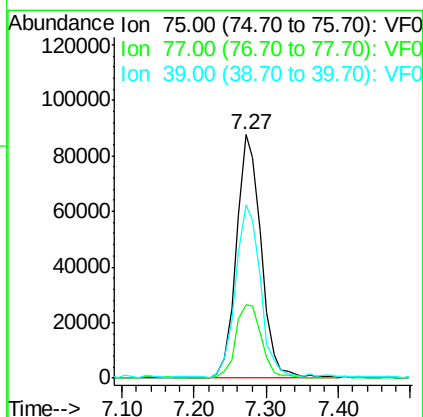
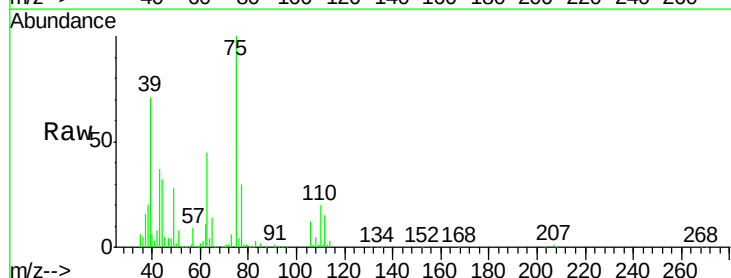
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

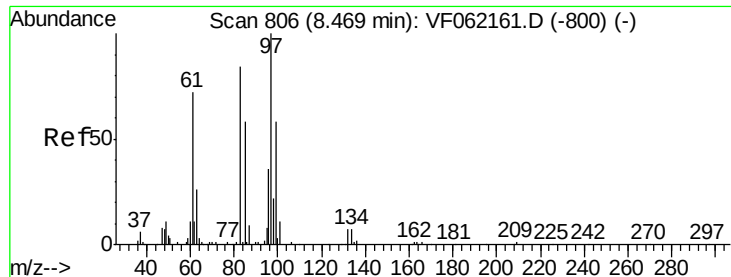
Tgt Ion: 75 Resp: 170725
Ion Ratio Lower Upper
75 100
77 30.4 26.6 39.8



#54
cis-1,3-Dichloropropene
Concen: 57.539 ug/l
RT: 7.27 min Scan# 684
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion: 75 Resp: 209490
Ion Ratio Lower Upper
75 100
77 30.0 26.7 40.1
39 71.1 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 53.569 ug/l

RT: 8.46 min Scan# 805

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

Tgt Ion: 97 Resp: 80467

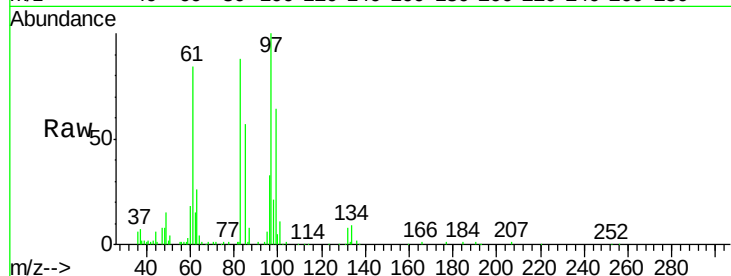
Ion Ratio Lower Upper

97 100

83 87.9 67.4 101.0

85 56.9 46.6 70.0

99 63.5 46.5 69.7

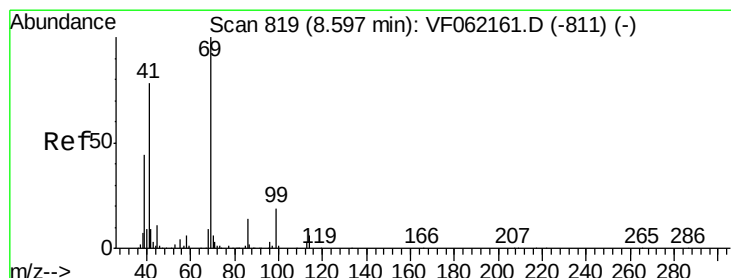
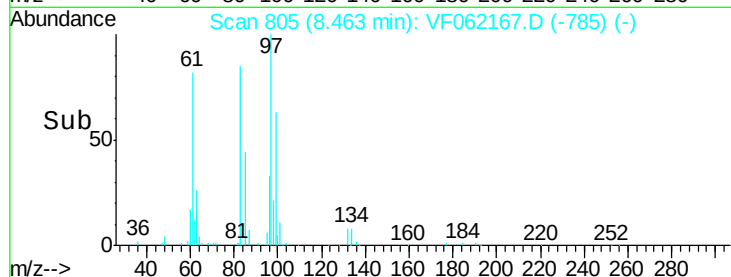
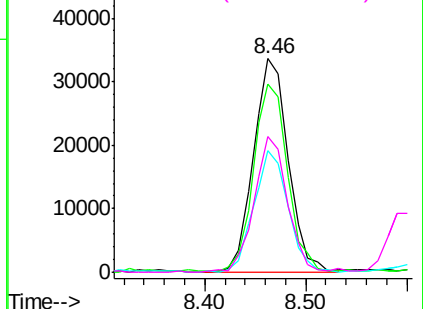


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 52.875 ug/l

RT: 8.59 min Scan# 818

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

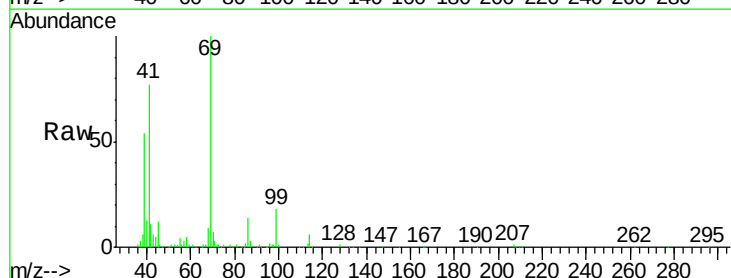
Tgt Ion: 69 Resp: 107012

Ion Ratio Lower Upper

69 100

41 77.2 63.0 94.4

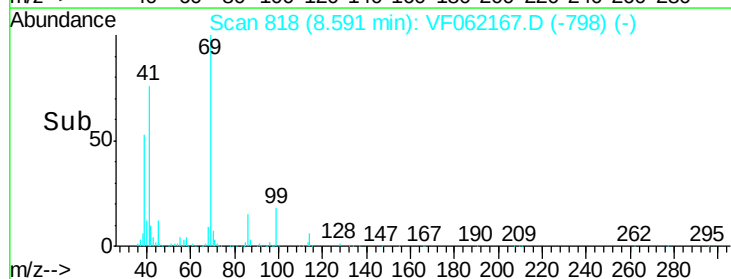
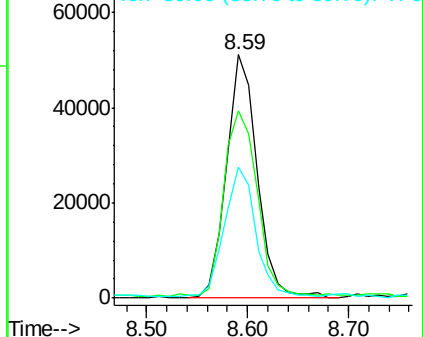
39 53.6 36.1 54.1

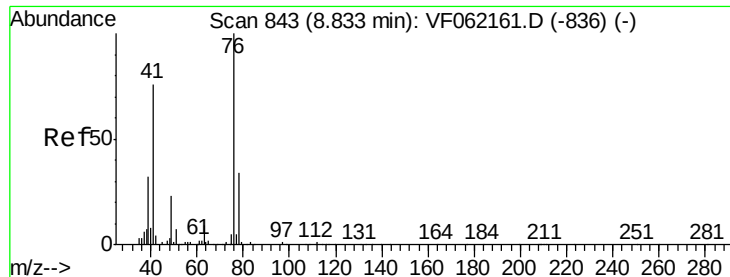


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 57.952 ug/l

RT: 8.83 min Scan# 842

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

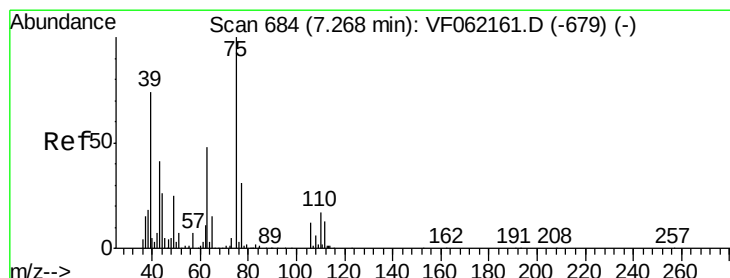
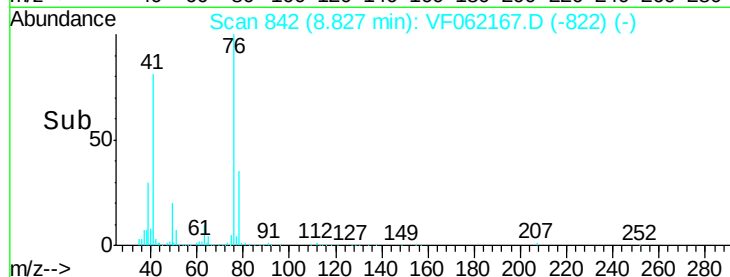
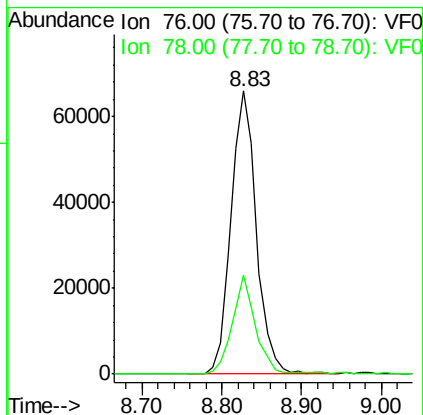
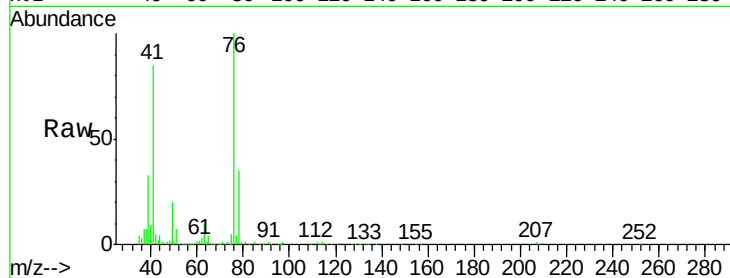
ICVVF040419

Tgt Ion: 76 Resp: 147370

Ion Ratio Lower Upper

76 100

78 35.1 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 308.908 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062167.D

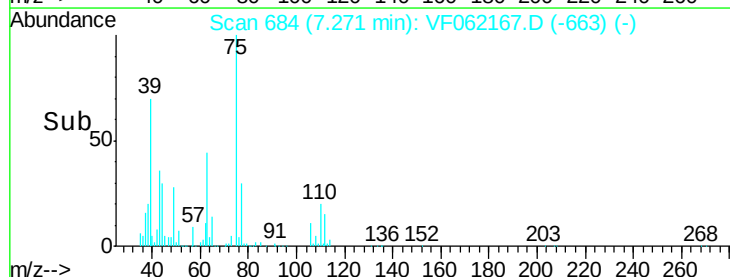
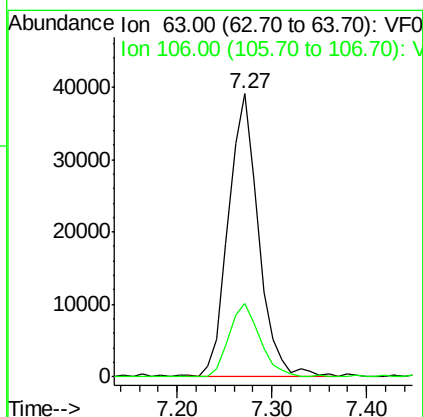
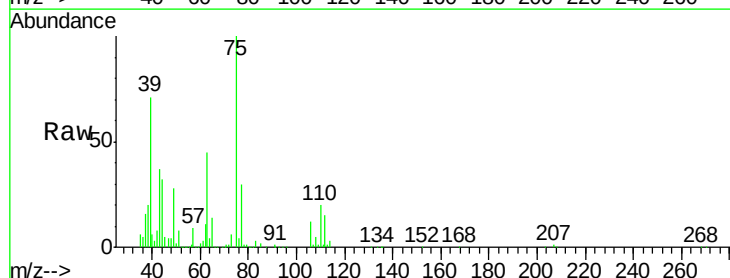
Acq: 4 Apr 2019 20:56

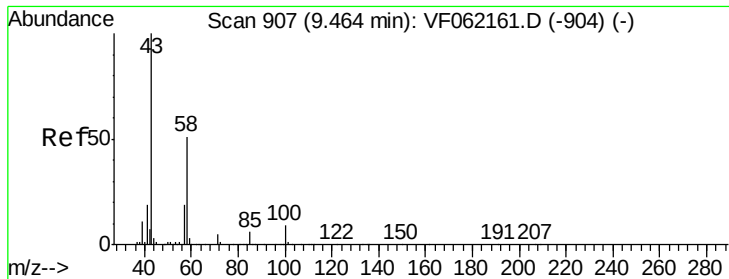
Tgt Ion: 63 Resp: 86564

Ion Ratio Lower Upper

63 100

106 25.9 20.6 31.0





#59

2-Hexanone

Concen: 262.285 ug/l

RT: 9.47 min Scan# 907

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

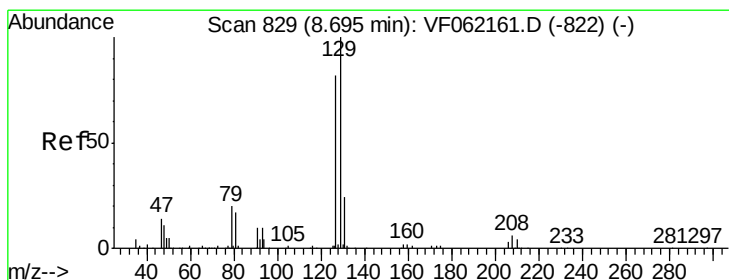
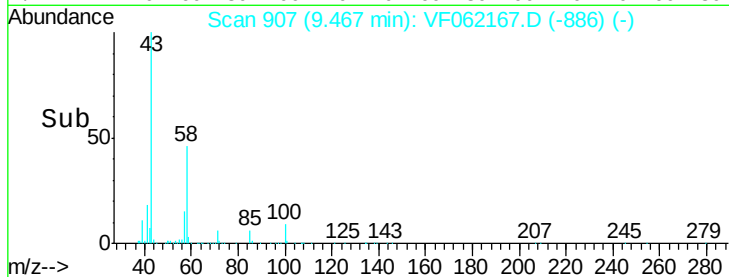
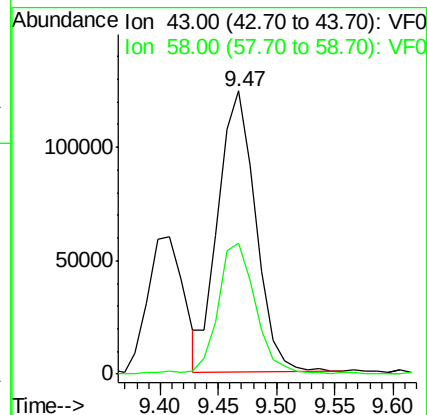
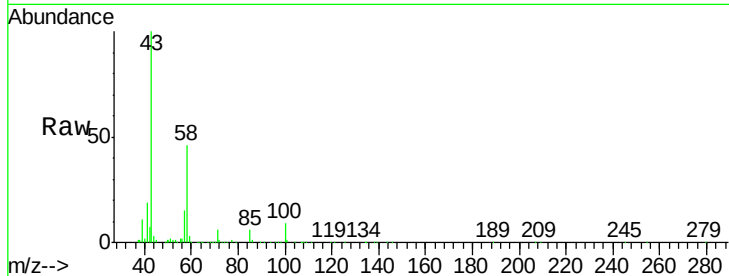
ICVVF040419

Tgt Ion: 43 Resp: 276083

Ion Ratio Lower Upper

43 100

58 46.2 23.3 69.9



#60

Dibromochloromethane

Concen: 57.834 ug/l

RT: 8.69 min Scan# 828

Delta R.T. -0.01 min

Lab File: VF062167.D

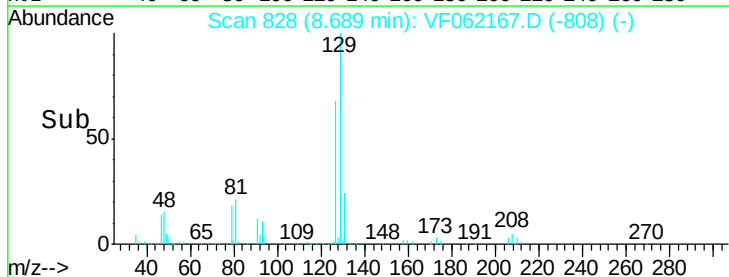
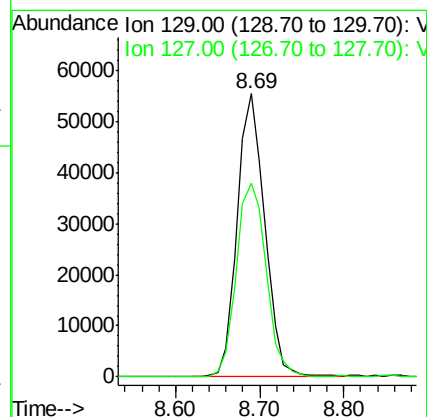
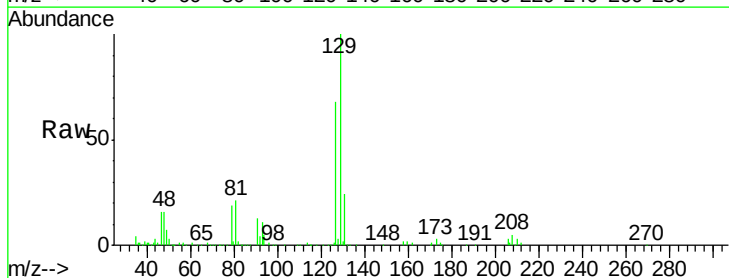
Acq: 4 Apr 2019 20:56

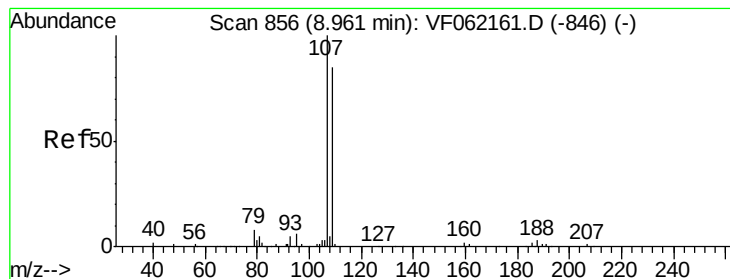
Tgt Ion: 129 Resp: 126594

Ion Ratio Lower Upper

129 100

127 68.4 40.9 122.7





#61

1,2-Dibromoethane

Concen: 57.918 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

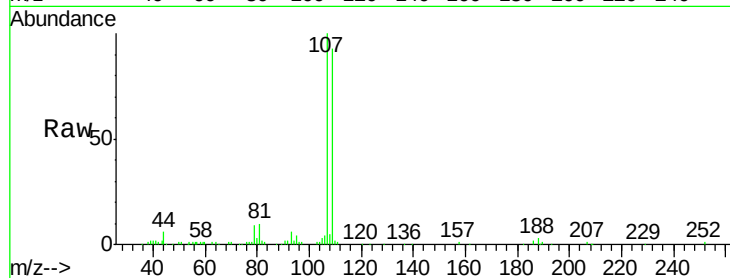
ICVVF040419

Tgt Ion: 107 Resp: 92935

Ion Ratio Lower Upper

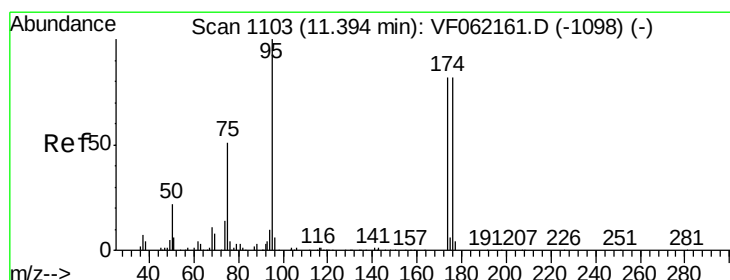
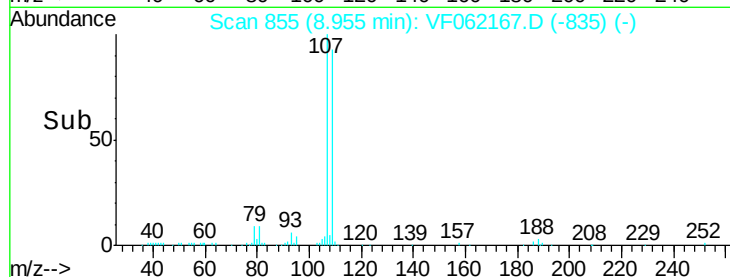
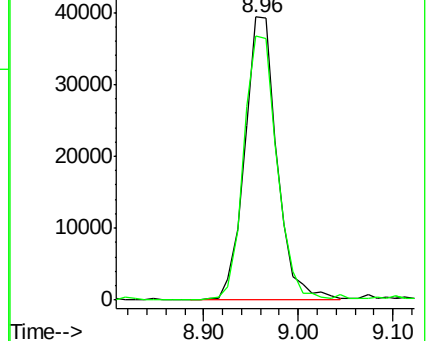
107 100

109 93.4 68.4 102.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.009 ug/l

RT: 11.39 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

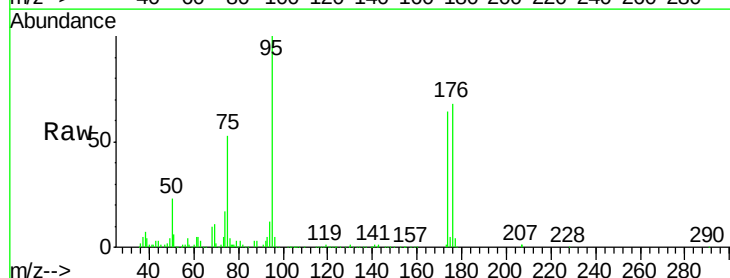
Tgt Ion: 95 Resp: 169527

Ion Ratio Lower Upper

95 100

174 64.4 0.0 164.8

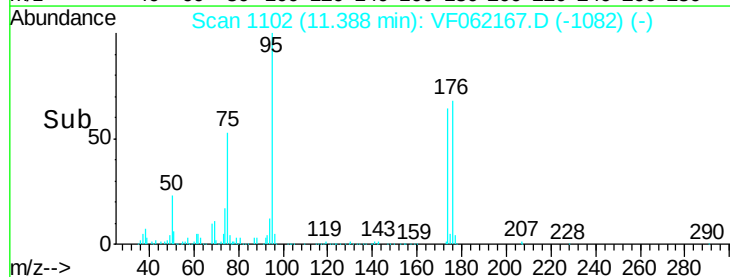
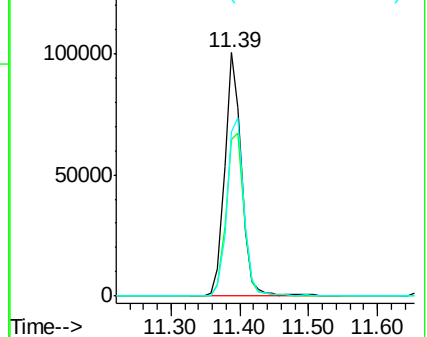
176 67.6 0.0 164.6

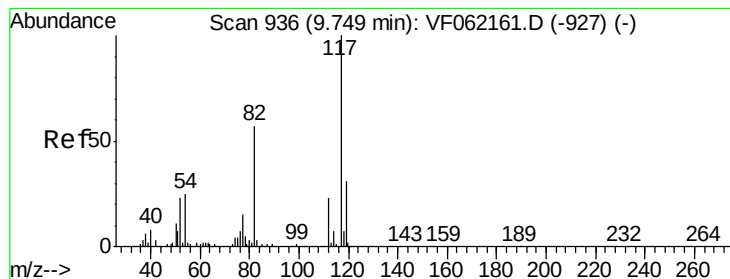


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.75 min Scan# 936

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

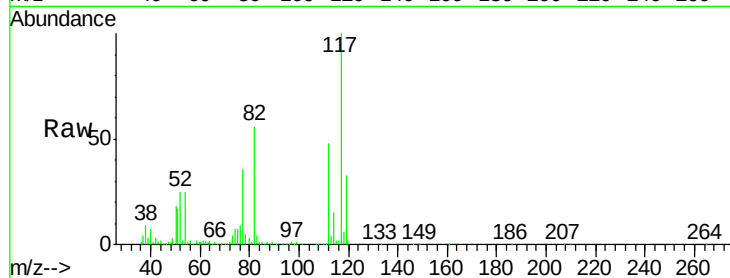
Tgt Ion:117 Resp: 296885

Ion Ratio Lower Upper

117 100

82 56.3 45.5 68.3

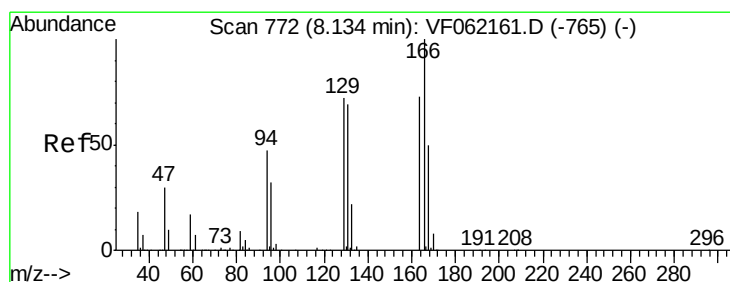
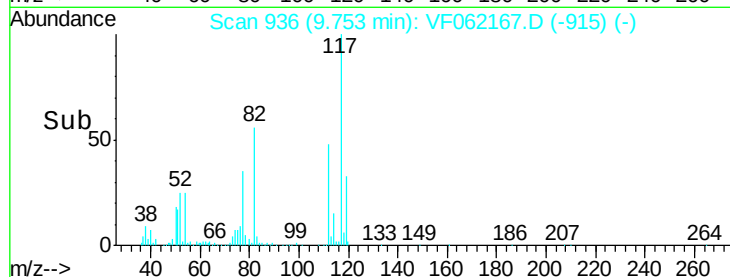
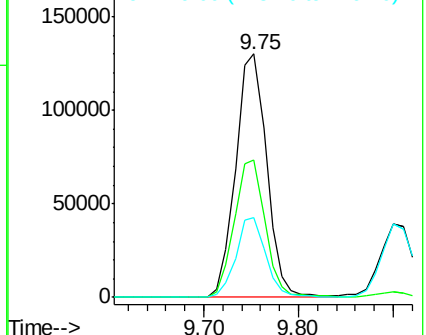
119 32.5 24.9 37.3



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: 55.656 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Tgt Ion:164 Resp: 124978

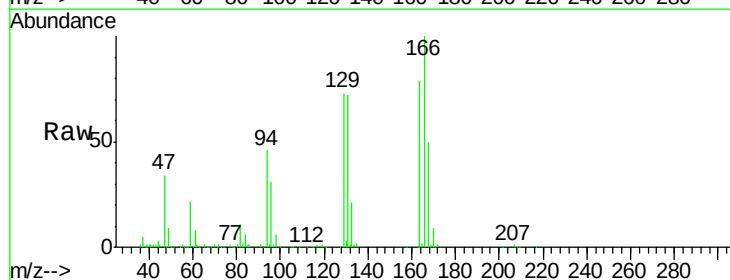
Ion Ratio Lower Upper

164 100

166 126.7 110.2 165.2

129 92.6 79.0 118.6

131 91.4 75.5 113.3

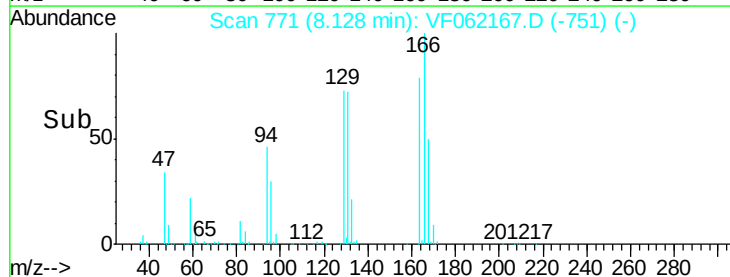
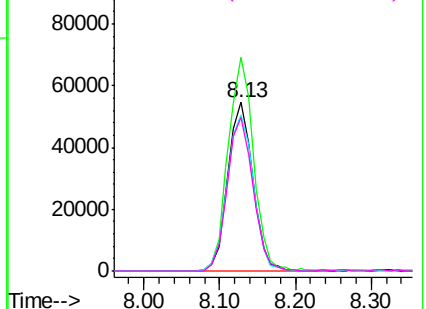


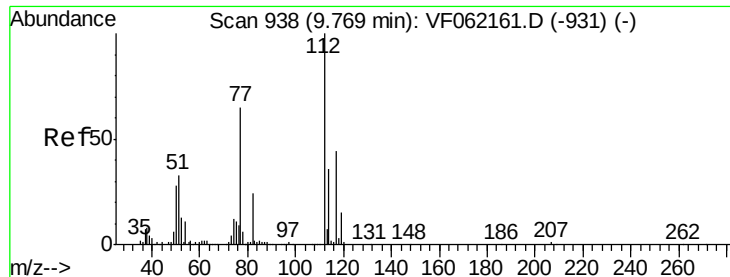
Abundance Ion 163.85 (163.55 to 164.55): V

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

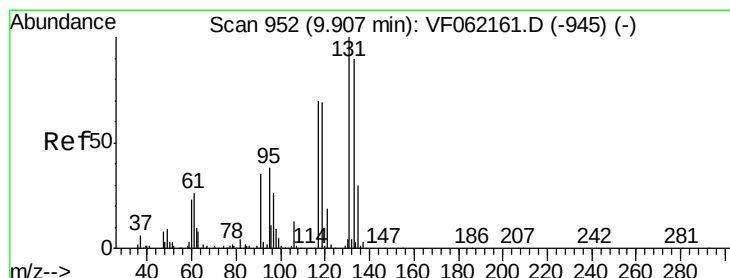
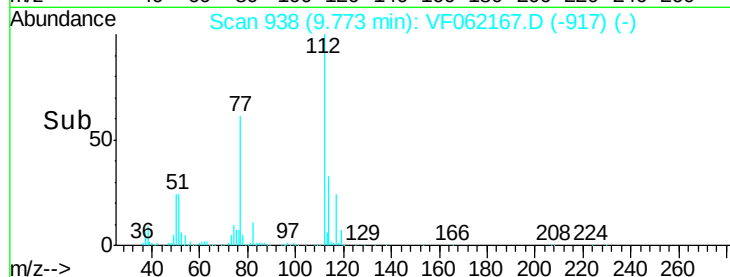
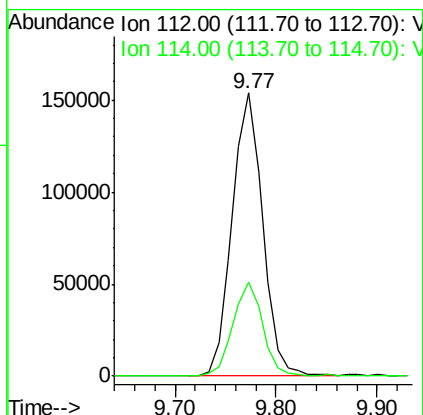
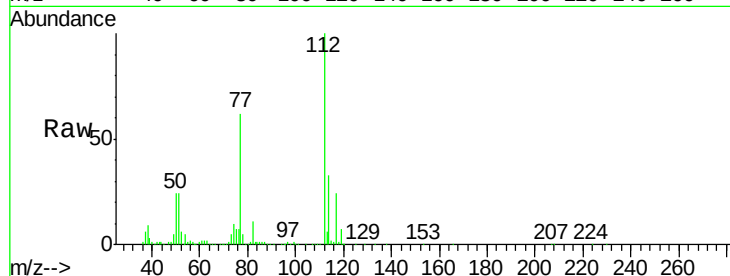




#65
Chlorobenzene
Concen: 55.065 ug/l
RT: 9.77 min Scan# 938
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

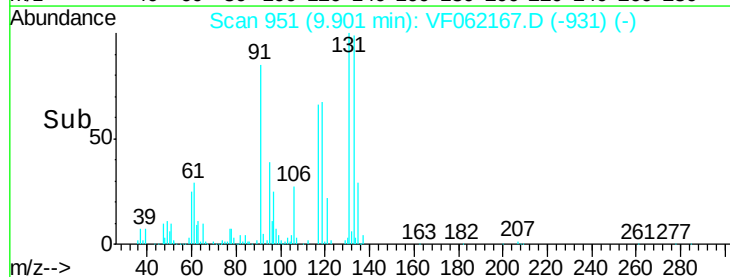
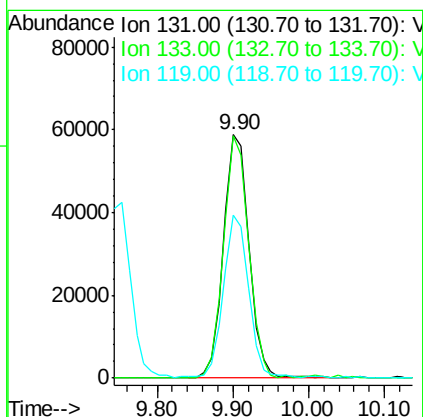
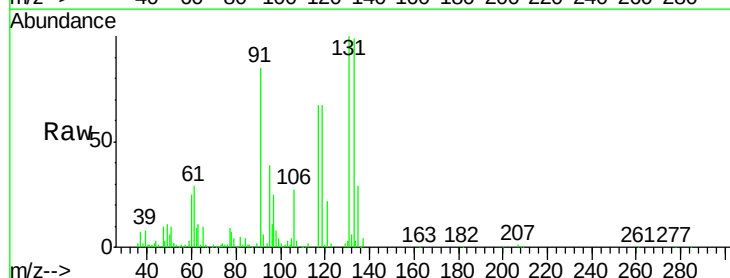
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

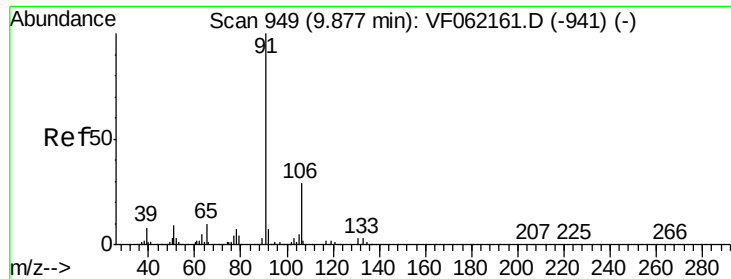
Tgt Ion:112 Resp: 324269
Ion Ratio Lower Upper
112 100
114 33.2 28.6 43.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.926 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion:131 Resp: 137718
Ion Ratio Lower Upper
131 100
133 99.4 45.1 135.3
119 66.8 34.9 104.7





#67

Ethyl Benzene

Concen: 53.628 ug/l

RT: 9.87 min Scan# 948

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

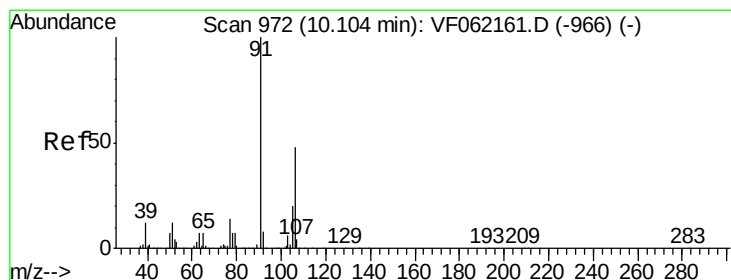
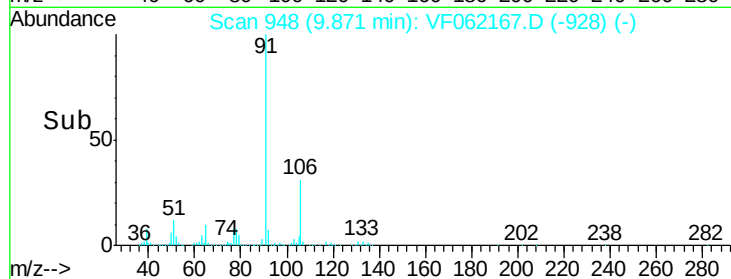
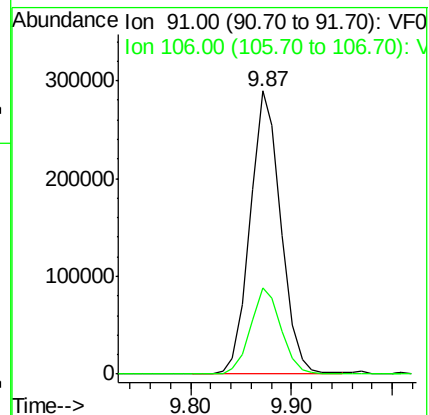
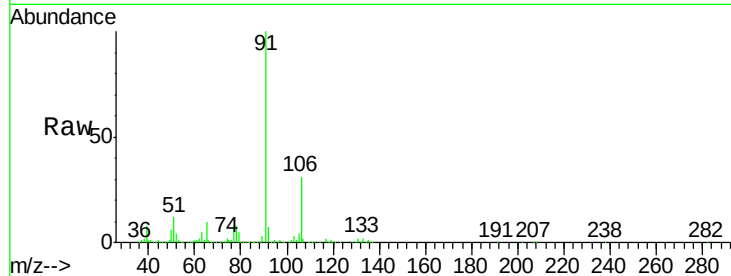
ICVVF040419

Tgt Ion: 91 Resp: 615351

Ion Ratio Lower Upper

91 100

106 30.6 23.2 34.8



#68

m/p-Xylenes

Concen: 107.906 ug/l

RT: 10.11 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062167.D

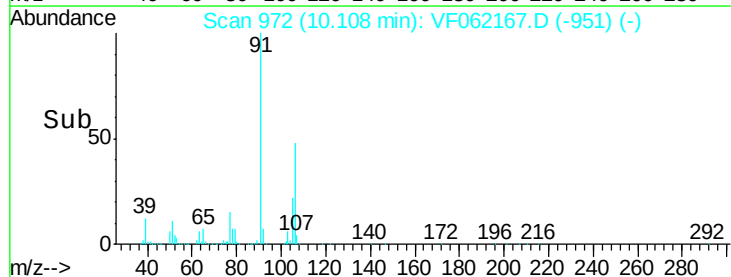
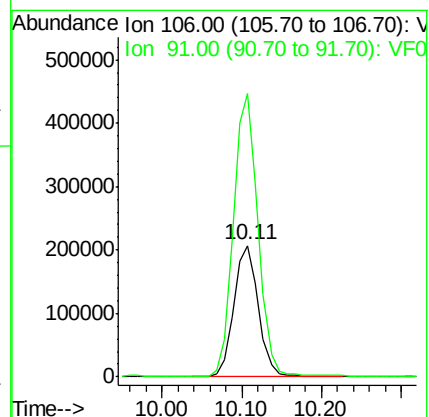
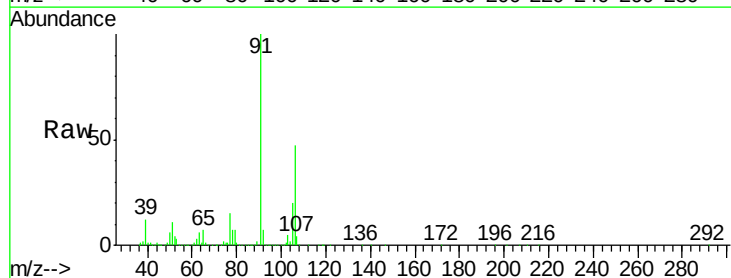
Acq: 4 Apr 2019 20:56

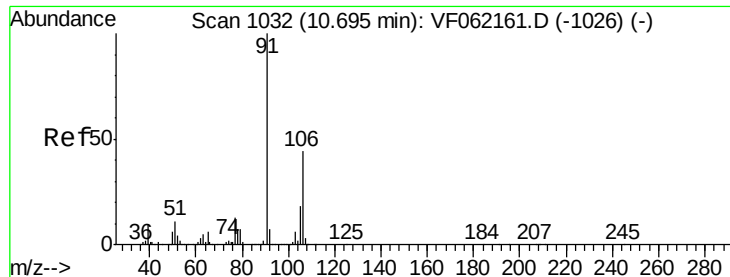
Tgt Ion: 106 Resp: 445747

Ion Ratio Lower Upper

106 100

91 215.0 167.3 250.9

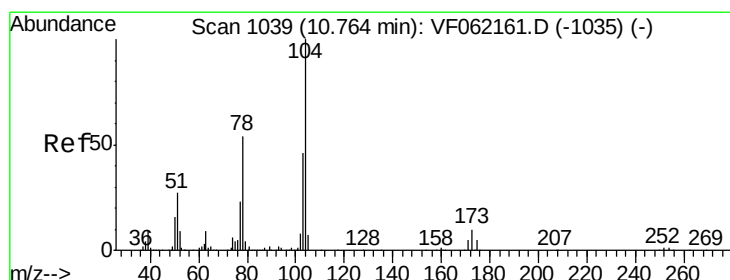
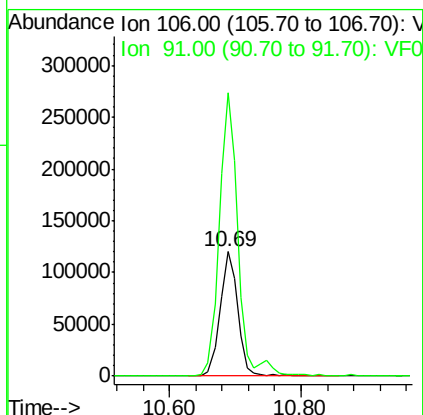
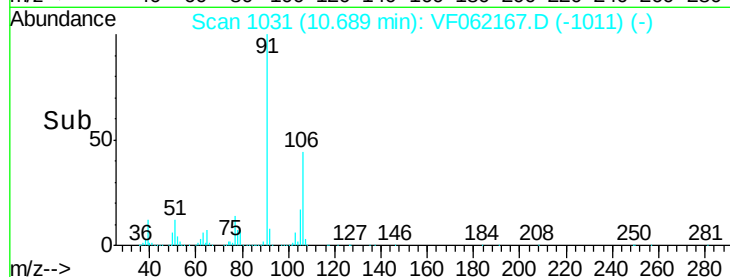
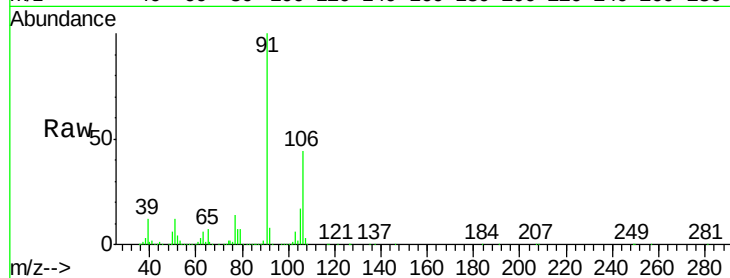




#69
o-Xylene
Concen: 55.248 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

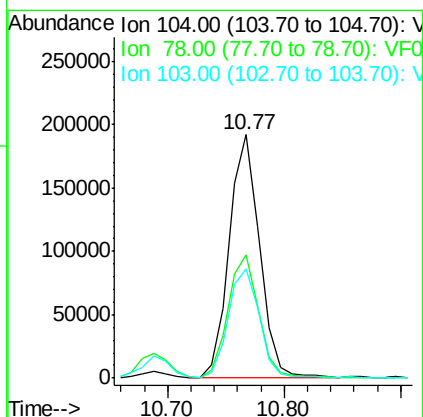
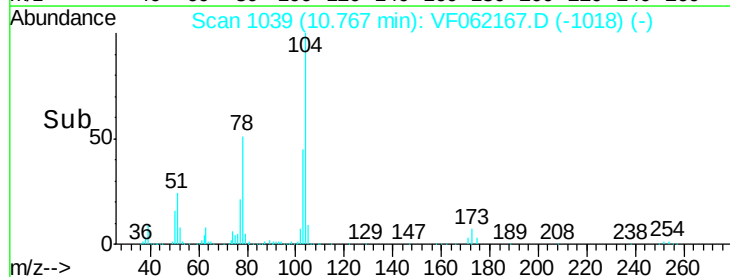
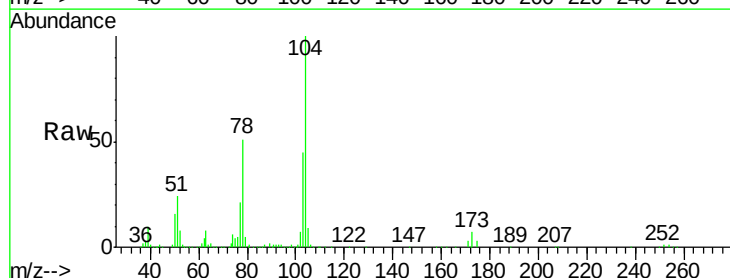
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

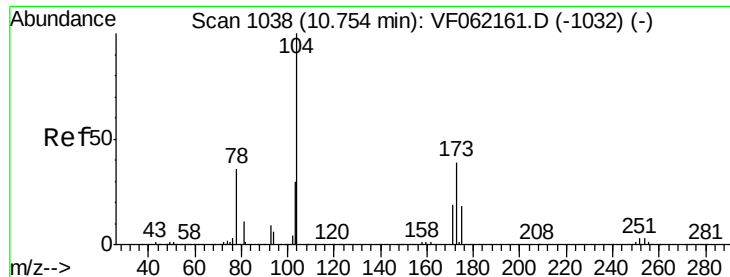
Tgt Ion:106 Resp: 227252
Ion Ratio Lower Upper
106 100
91 228.0 113.3 340.1



#70
Styrene
Concen: 54.966 ug/l
RT: 10.77 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion:104 Resp: 346196
Ion Ratio Lower Upper
104 100
78 50.5 43.1 64.7
103 44.6 37.0 55.6





#71

Bromoform

Concen: 55.071 ug/l

RT: 10.75 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

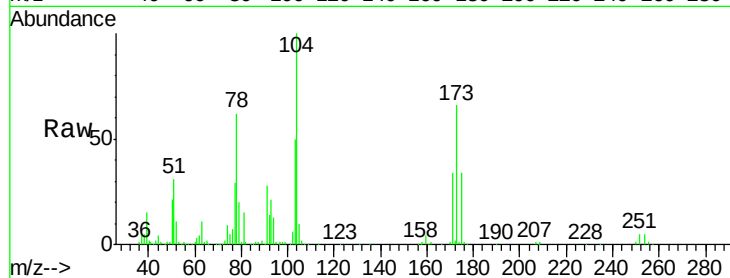
Tgt Ion:173 Resp: 72233

Ion Ratio Lower Upper

173 100

175 50.4 22.9 68.7

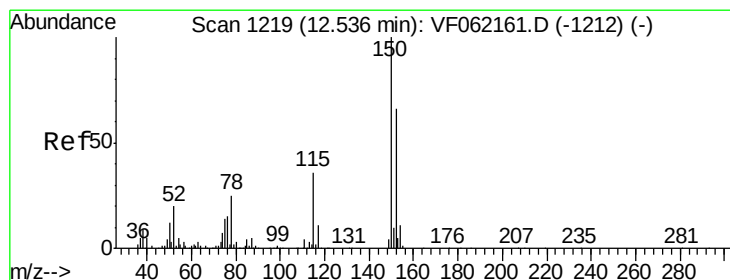
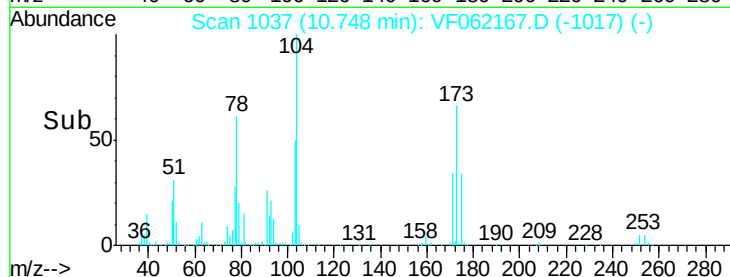
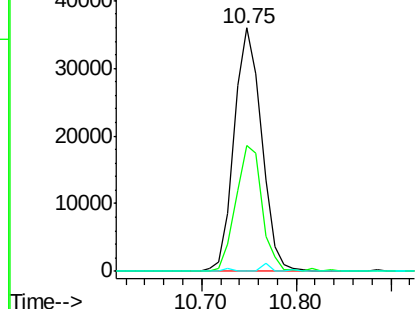
254 0.0 6.7 10.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

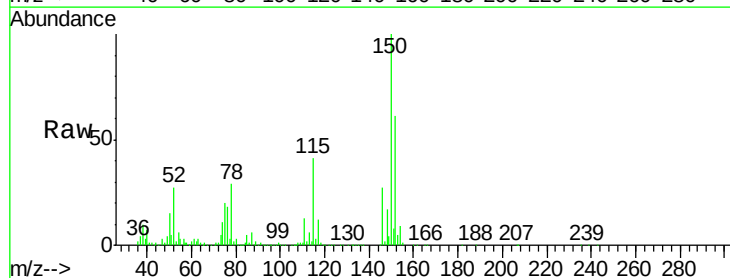
Tgt Ion:152 Resp: 145659

Ion Ratio Lower Upper

152 100

115 68.0 28.3 84.9

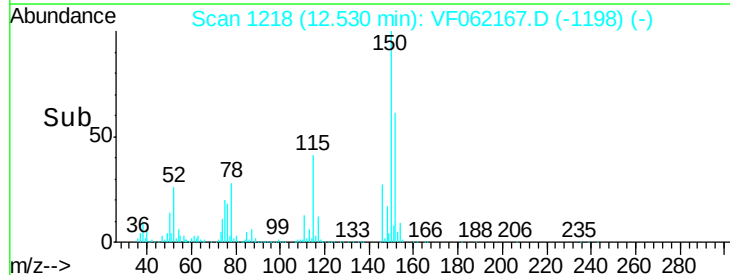
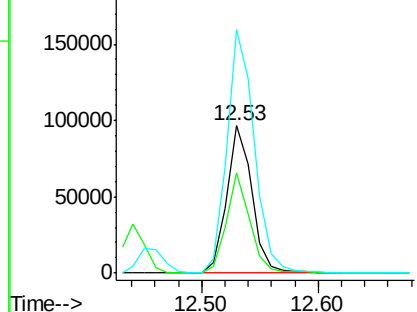
150 165.0 0.0 322.6

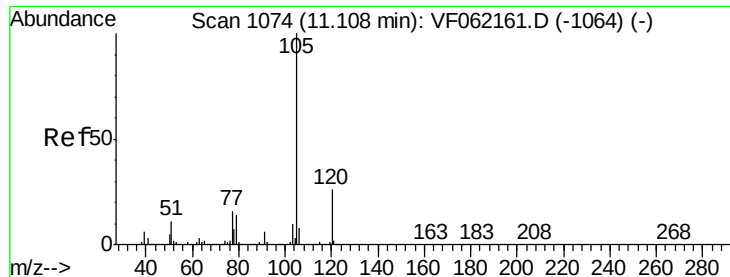


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

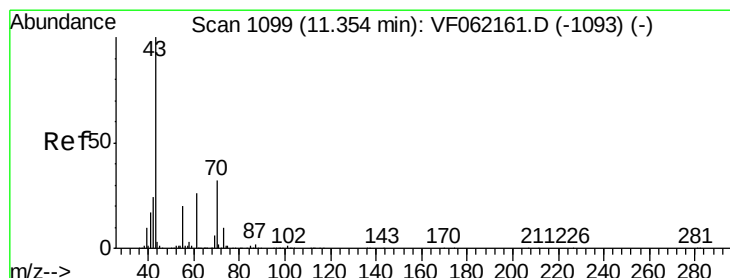
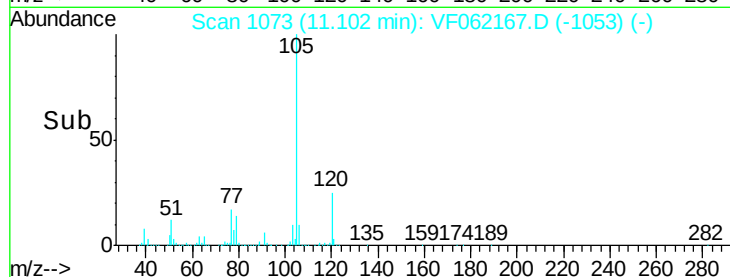
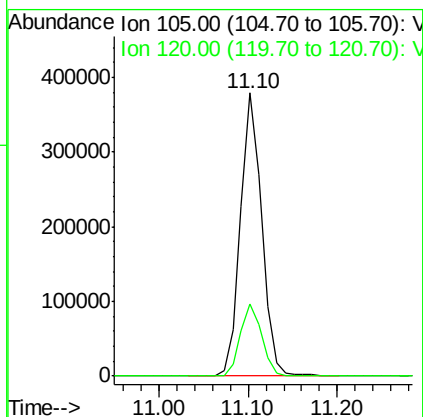
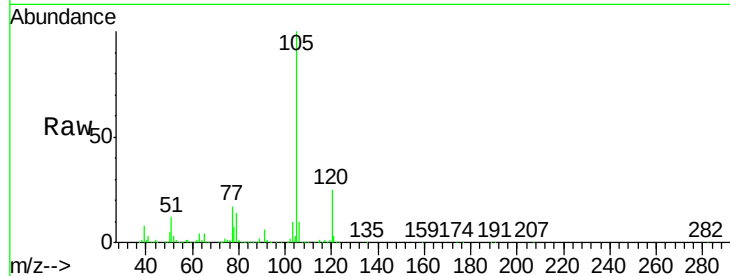




#73
Isopropylbenzene
Concen: 51.961 ug/l
RT: 11.10 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

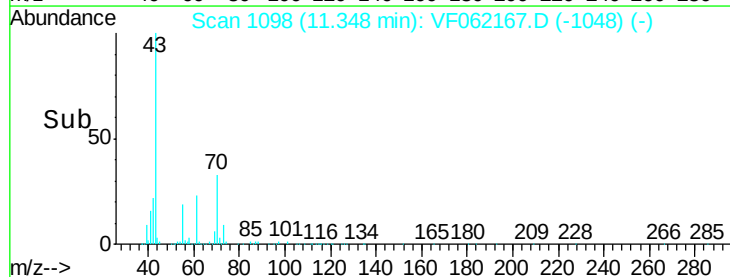
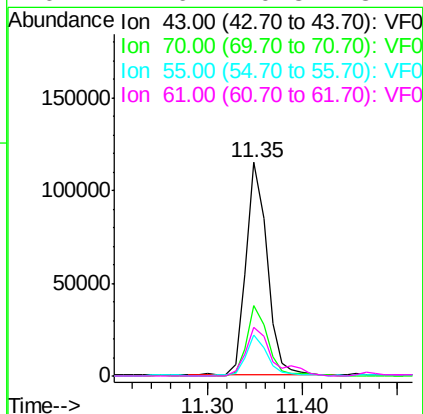
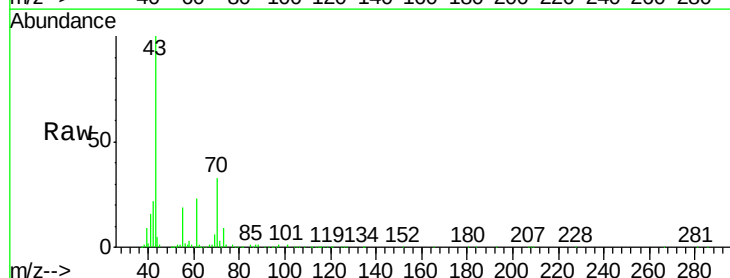
Instrument :
MSVOA_F
ClientSampleId :
ICVVF040419

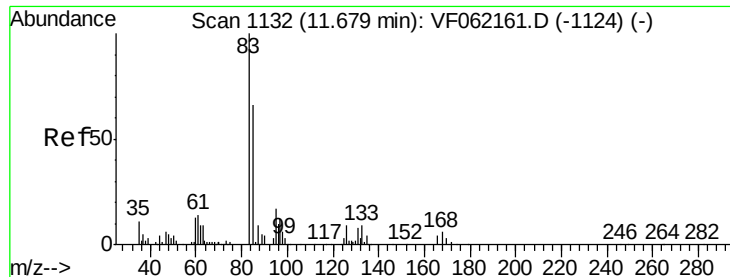
Tgt Ion: 105 Resp: 632896
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.3



#74
N-ethyl acetate
Concen: 54.273 ug/l
RT: 11.35 min Scan# 1098
Delta R.T. -0.01 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion: 43 Resp: 178782
Ion Ratio Lower Upper
43 100
70 33.1 25.9 38.9
55 19.4 16.3 24.5
61 22.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.821 ug/l

RT: 11.67 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

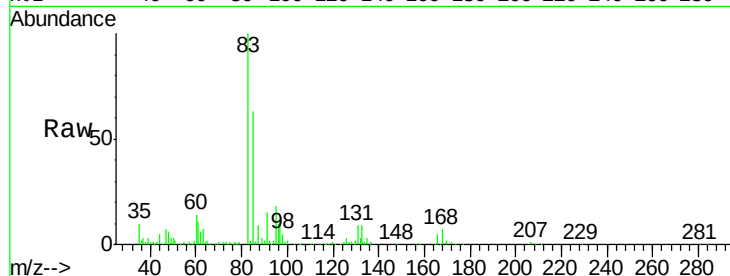
Tgt Ion: 83 Resp: 107112

Ion Ratio Lower Upper

83 100

131 9.1 4.3 12.8

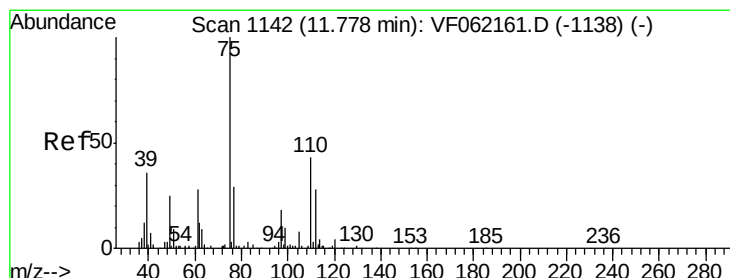
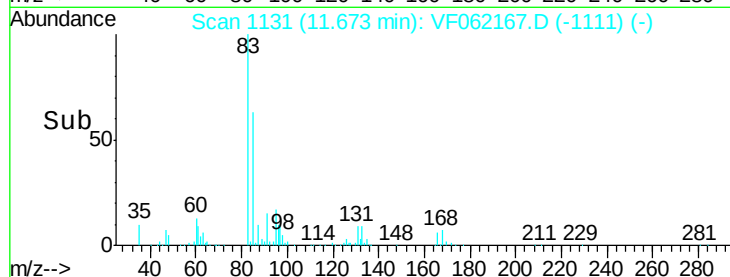
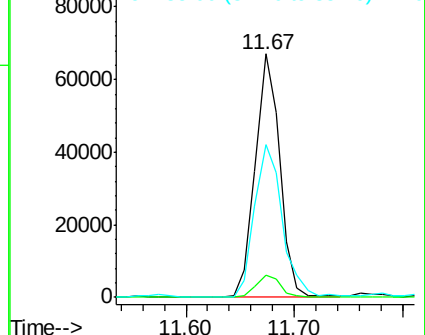
85 62.5 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 56.250 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062167.D

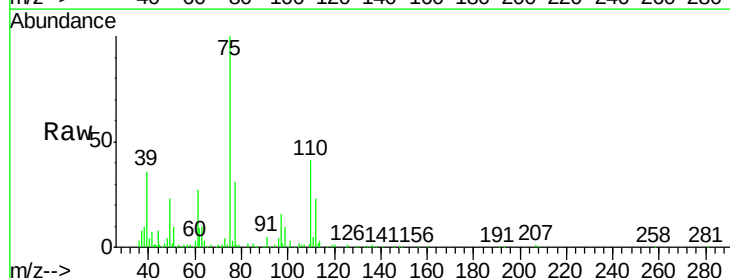
Acq: 4 Apr 2019 20:56

Tgt Ion: 75 Resp: 83849

Ion Ratio Lower Upper

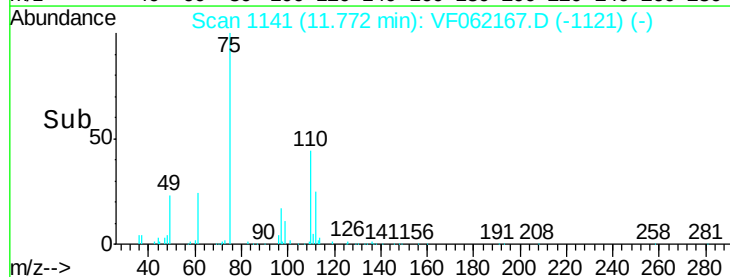
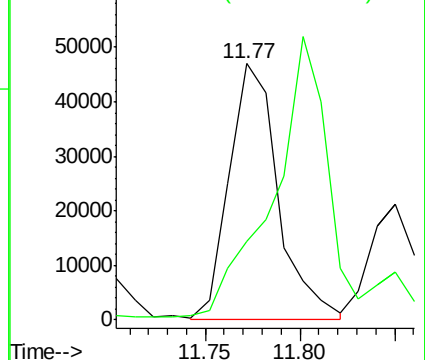
75 100

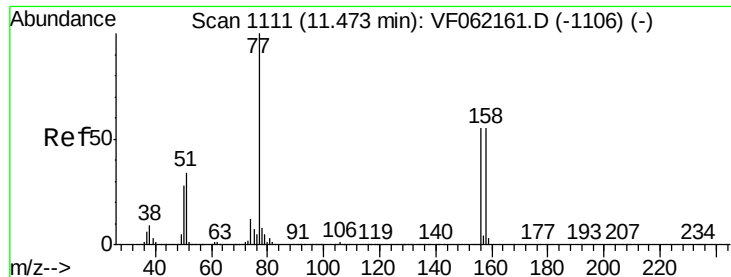
77 30.8 15.0 45.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 53.748 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

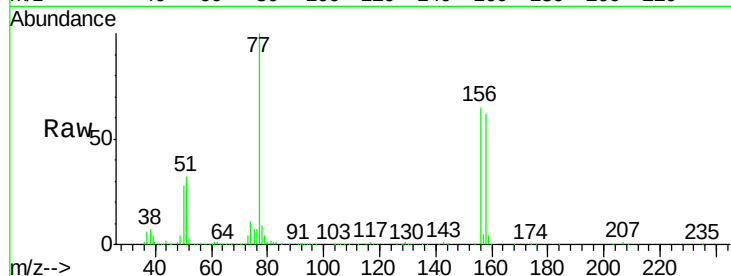
Tgt Ion:156 Resp: 138092

Ion Ratio Lower Upper

156 100

77 153.5 91.0 272.8

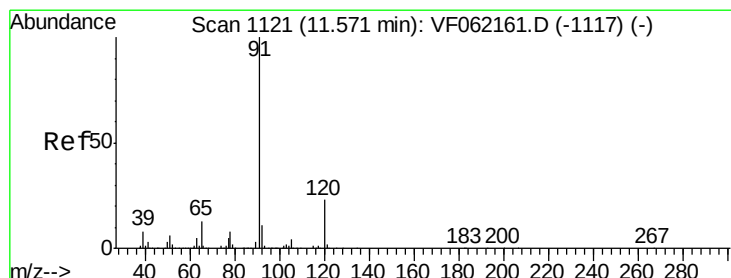
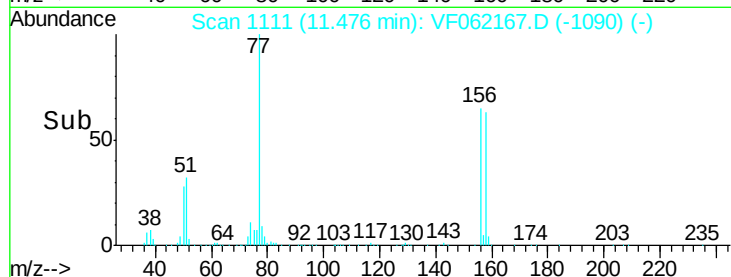
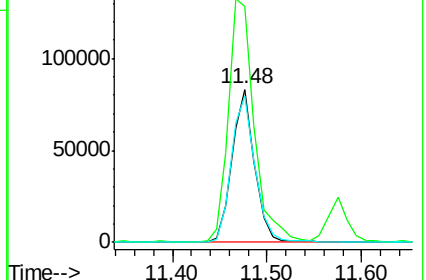
158 95.7 49.7 149.1



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: 52.779 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062167.D

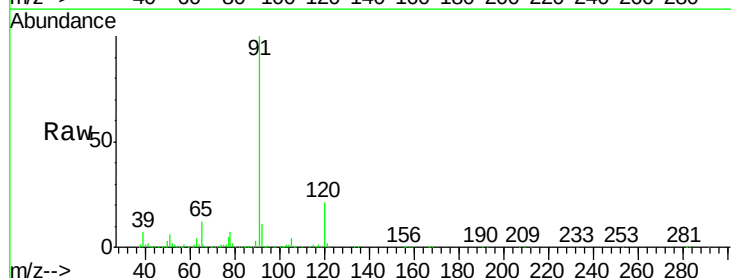
Acq: 4 Apr 2019 20:56

Tgt Ion: 91 Resp: 754541

Ion Ratio Lower Upper

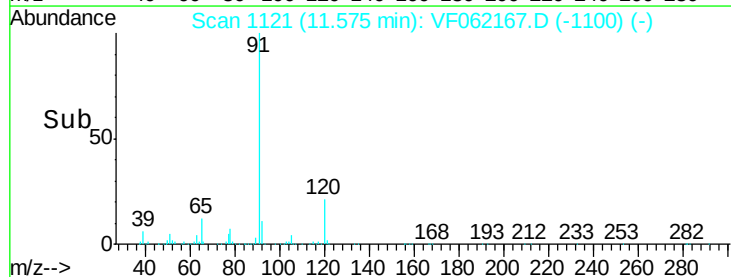
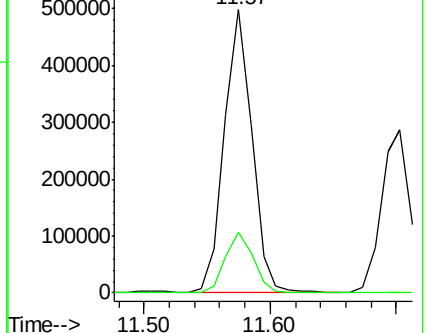
91 100

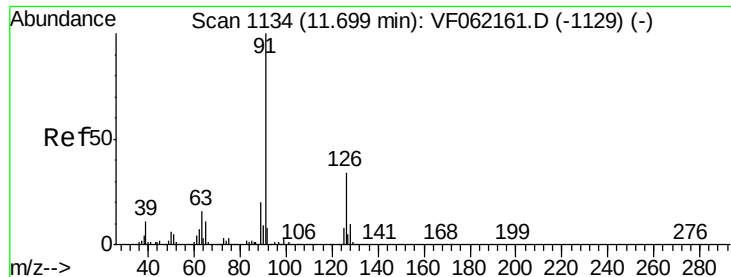
120 21.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.912 ug/l

RT: 11.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

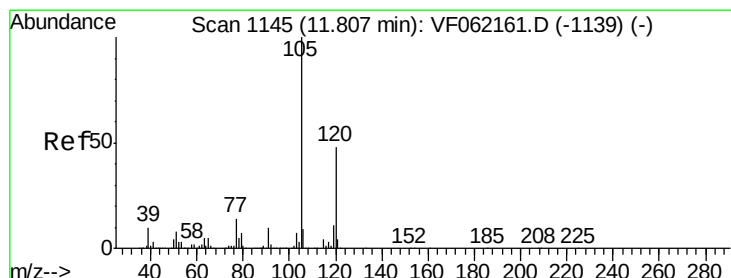
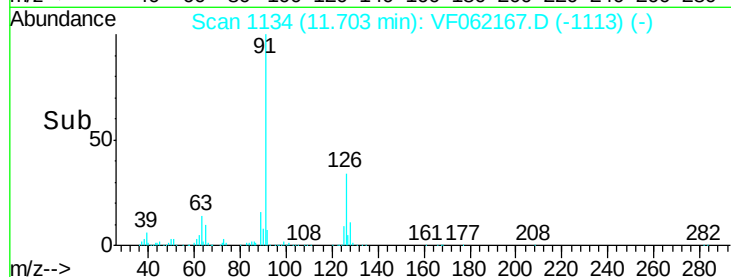
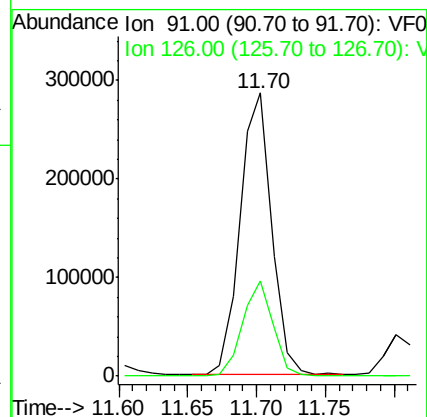
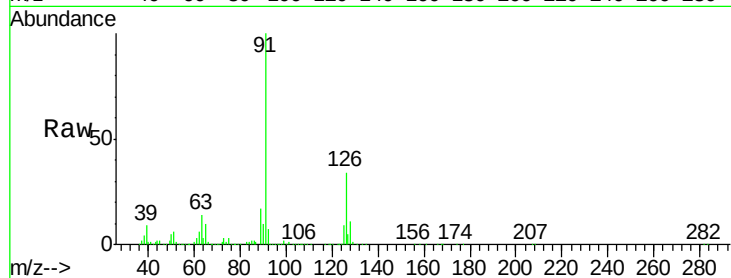
ICVVF040419

Tgt Ion: 91 Resp: 455855

Ion Ratio Lower Upper

91 100

126 33.7 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 55.539 ug/l

RT: 11.80 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF062167.D

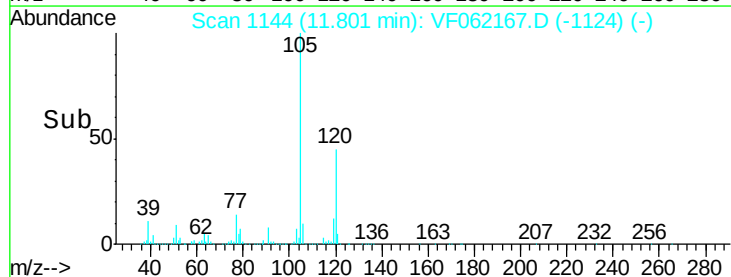
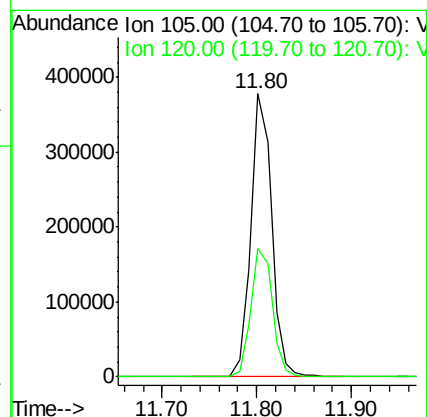
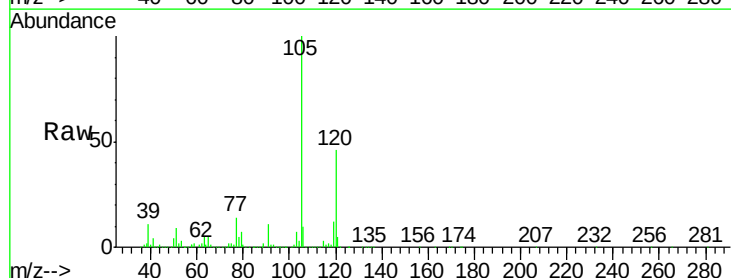
Acq: 4 Apr 2019 20:56

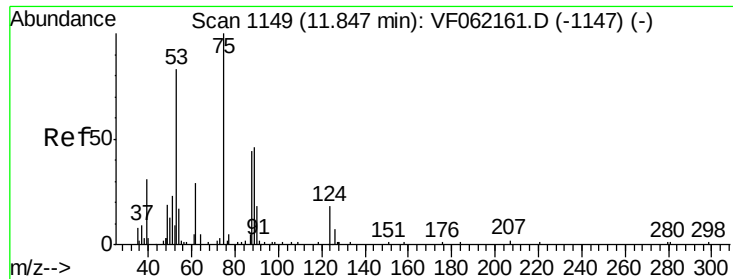
Tgt Ion: 105 Resp: 575711

Ion Ratio Lower Upper

105 100

120 45.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 82.538 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

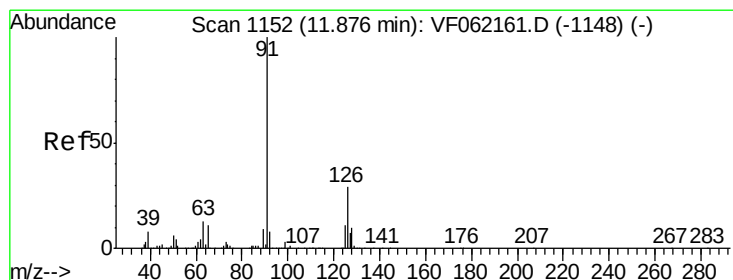
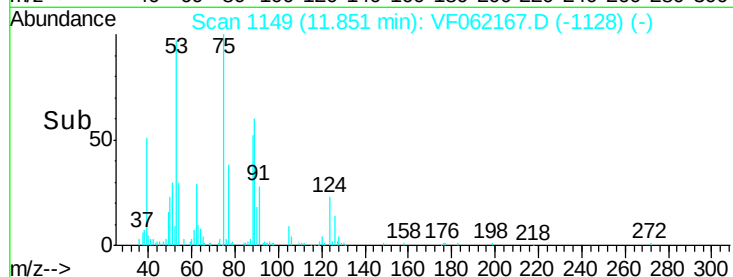
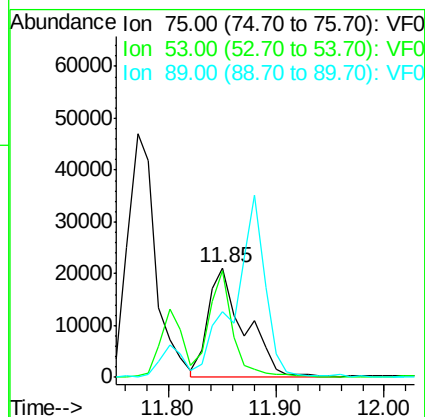
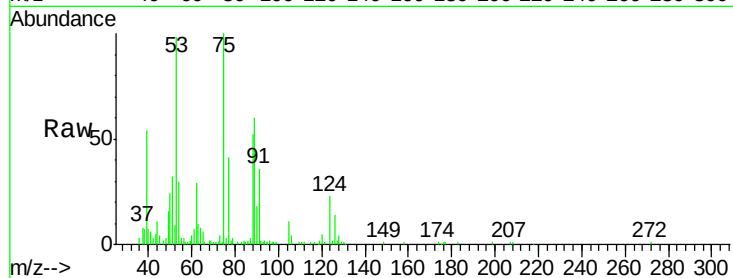
Tgt Ion: 75 Resp: 49871

Ion Ratio Lower Upper

75 100

53 97.5 71.4 107.0

89 60.3 37.9 56.9#



#82

4-Chlorotoluene

Concen: 55.709 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062167.D

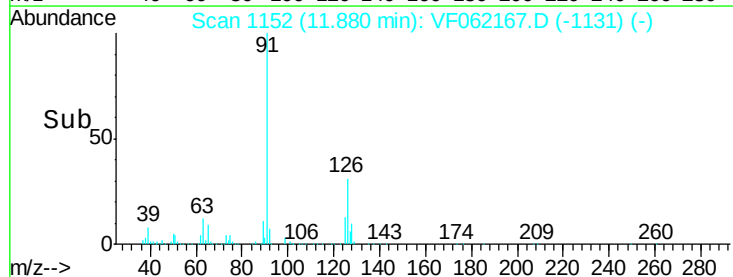
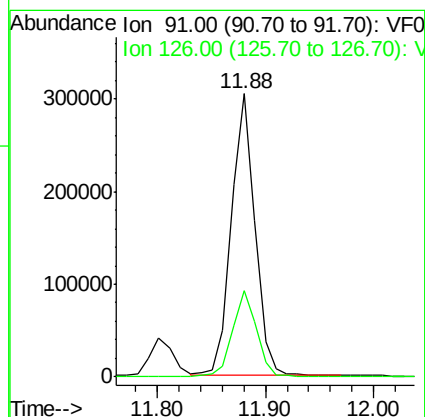
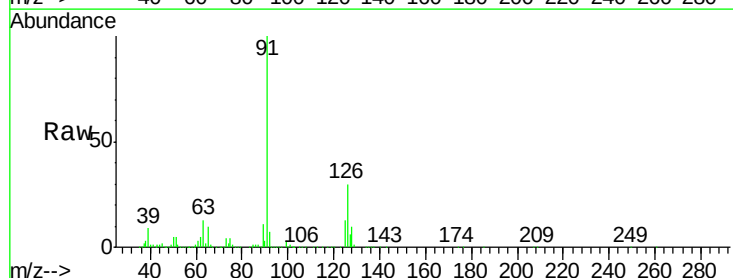
Acq: 4 Apr 2019 20:56

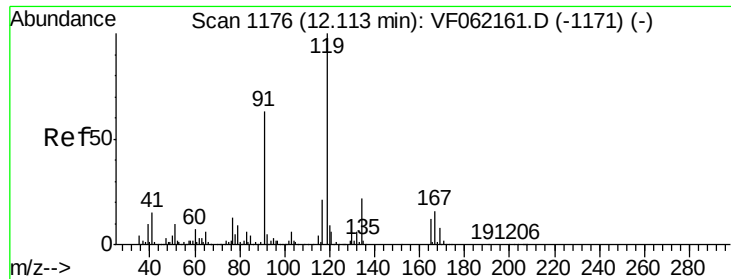
Tgt Ion: 91 Resp: 465045

Ion Ratio Lower Upper

91 100

126 30.4 14.2 42.8

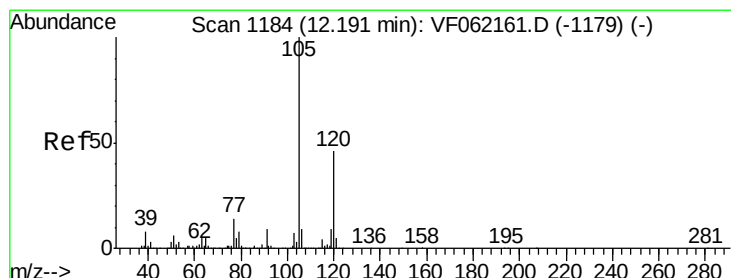
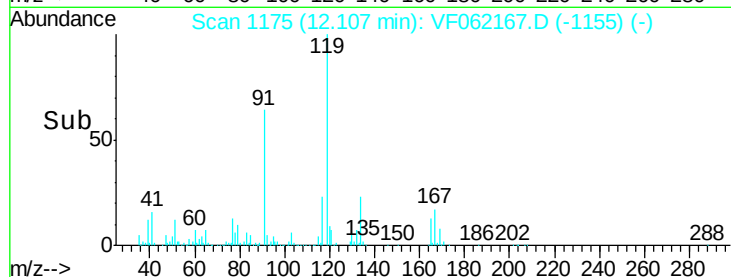
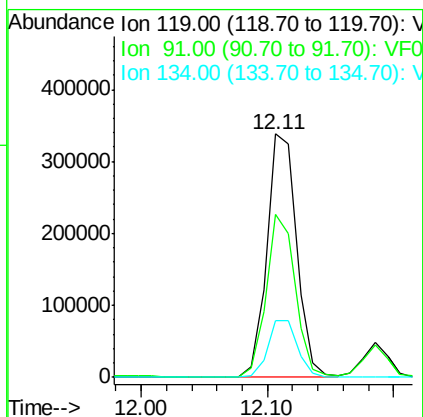
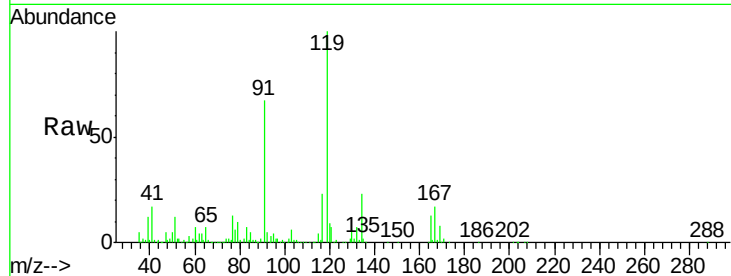




#83
 tert-Butylbenzene
 Concen: 53.717 ug/l
 RT: 12.11 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

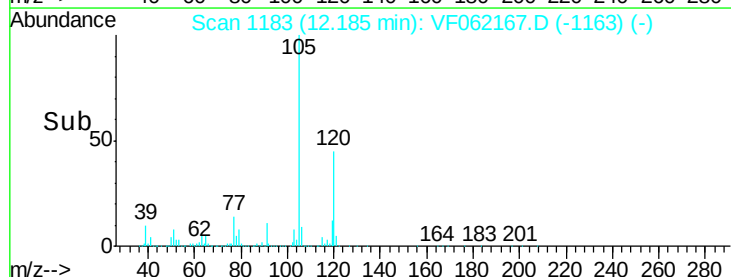
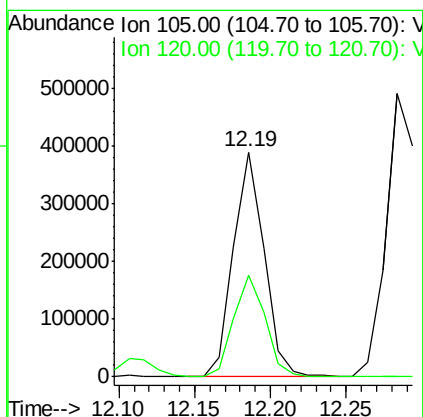
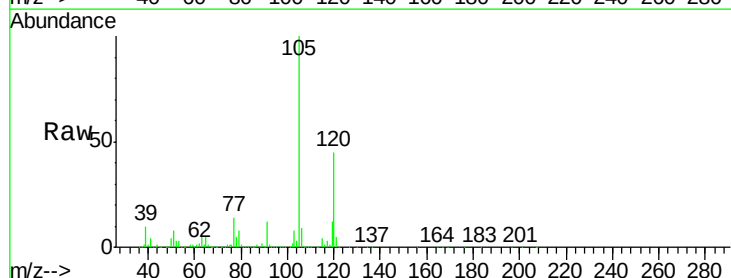
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

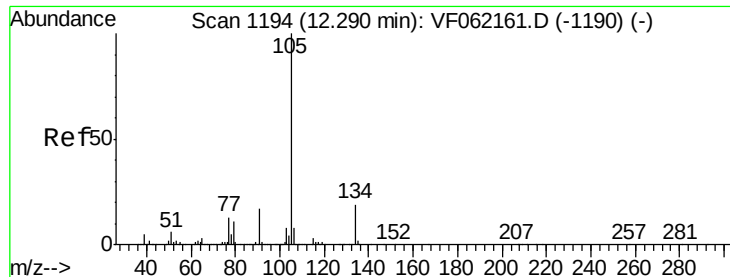
Tgt Ion:119 Resp: 559041
 Ion Ratio Lower Upper
 119 100
 91 66.9 31.6 94.7
 134 23.1 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 53.613 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion:105 Resp: 550778
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.9 68.5

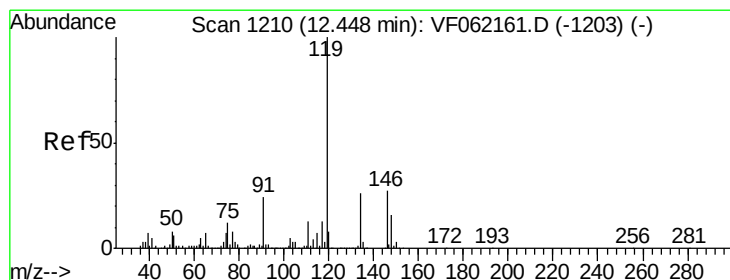
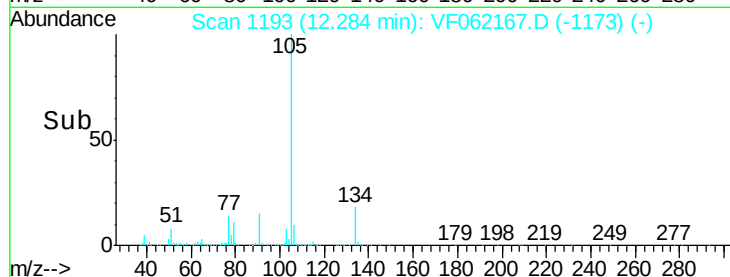
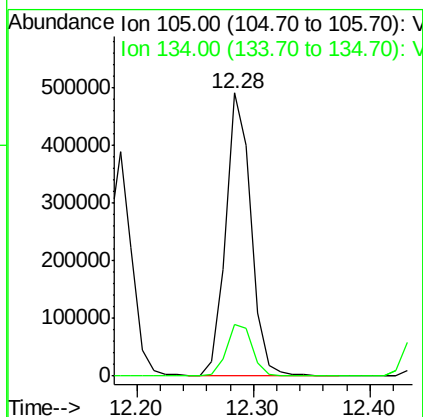
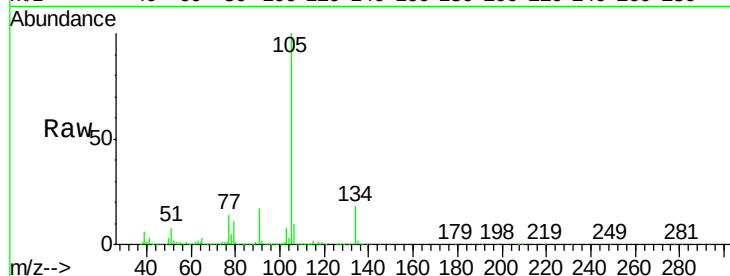




#85
 sec-Butylbenzene
 Concen: 55.593 ug/l
 RT: 12.28 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

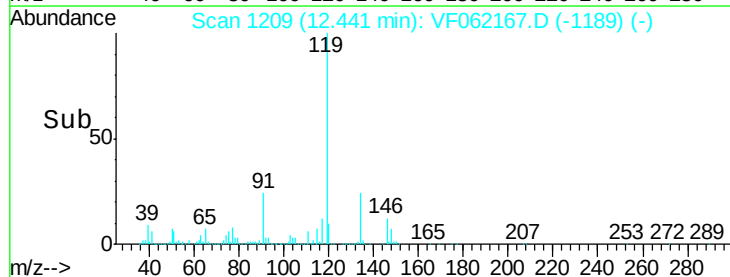
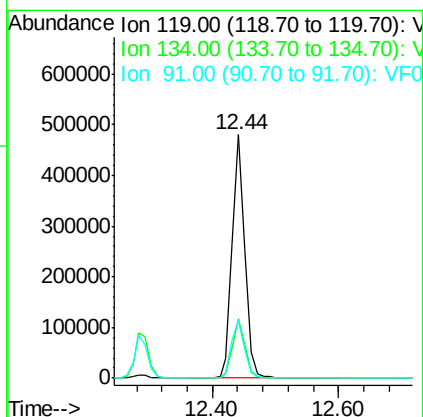
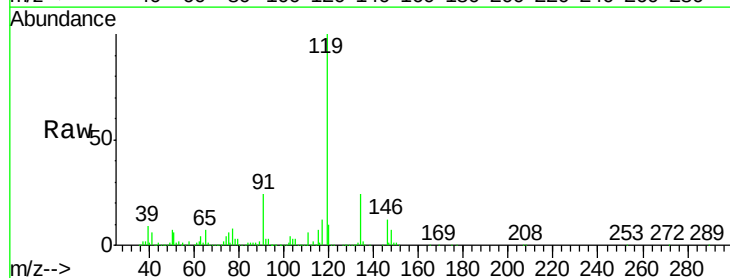
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

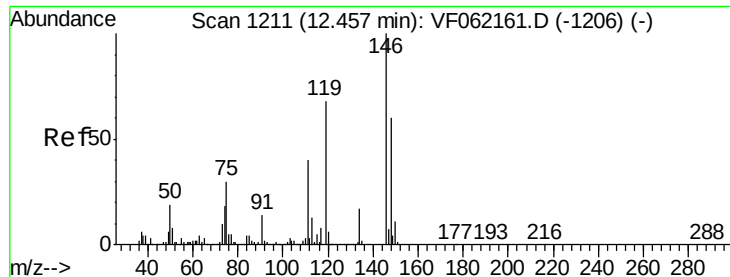
Tgt Ion:105 Resp: 730832
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 55.507 ug/l
 RT: 12.44 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion:119 Resp: 656792
 Ion Ratio Lower Upper
 119 100
 134 24.3 13.2 39.5
 91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 54.986 ug/l

RT: 12.45 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

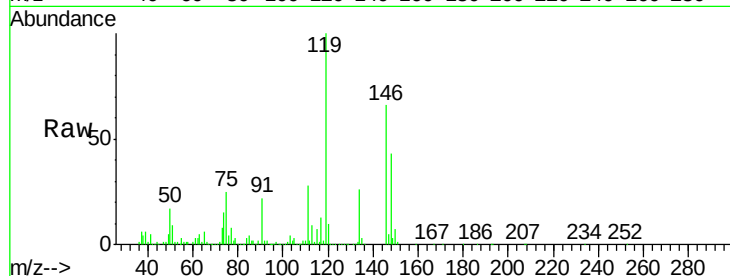
Tgt Ion:146 Resp: 269706

Ion Ratio Lower Upper

146 100

111 42.4 19.9 59.6

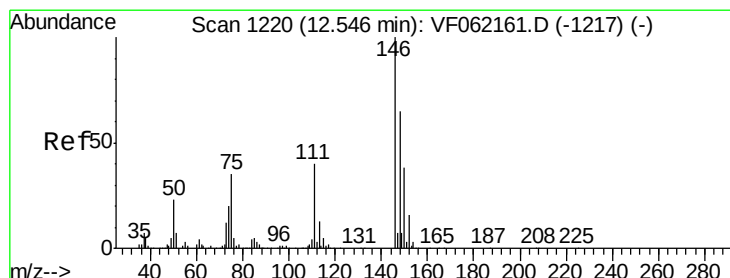
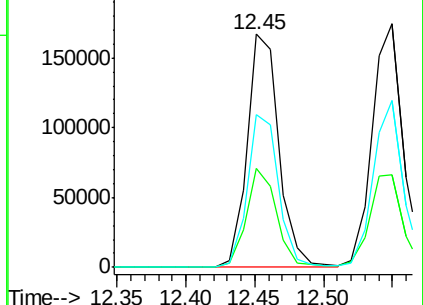
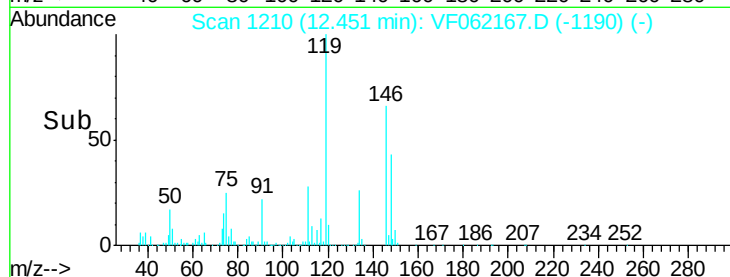
148 65.6 30.0 90.0



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: 54.596 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

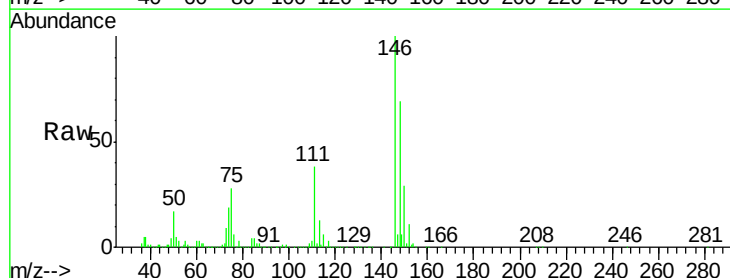
Tgt Ion:146 Resp: 271103

Ion Ratio Lower Upper

146 100

111 38.3 20.1 60.2

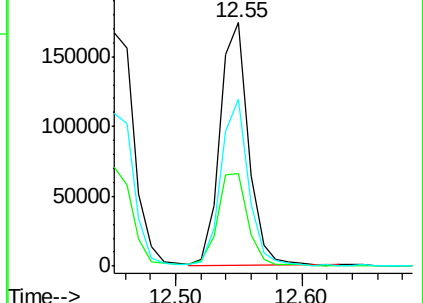
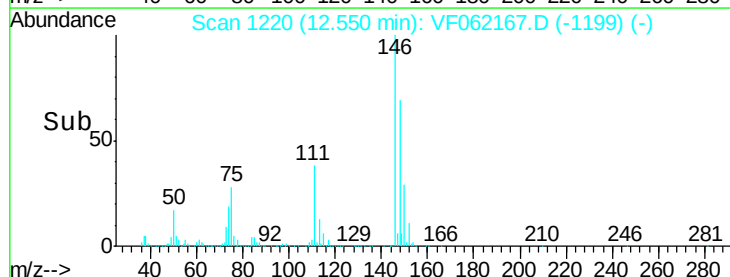
148 68.7 32.5 97.4

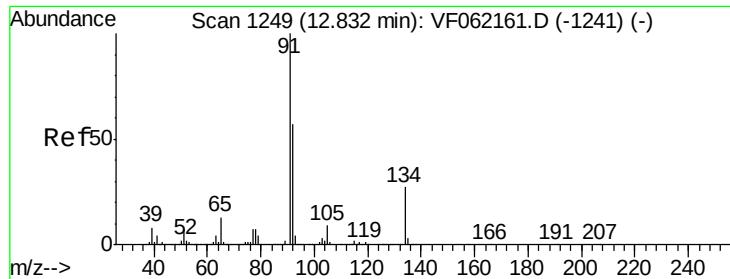


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 53.488 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

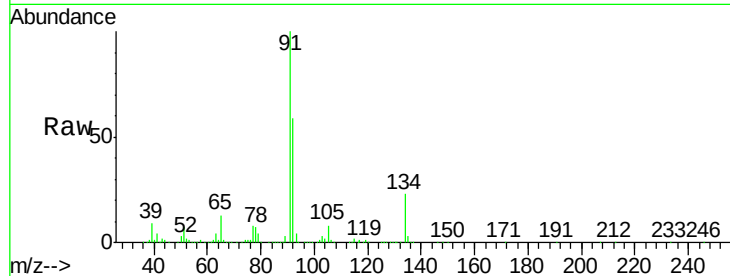
Tgt Ion: 91 Resp: 610421

Ion Ratio Lower Upper

91 100

92 59.3 28.3 85.0

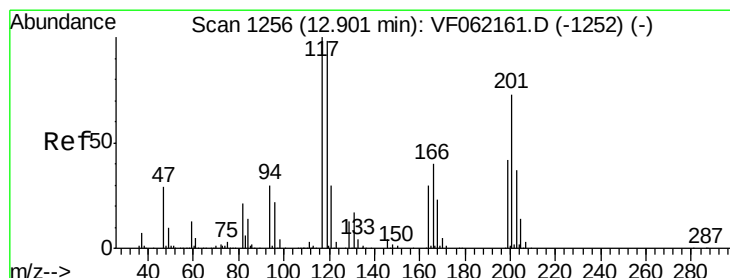
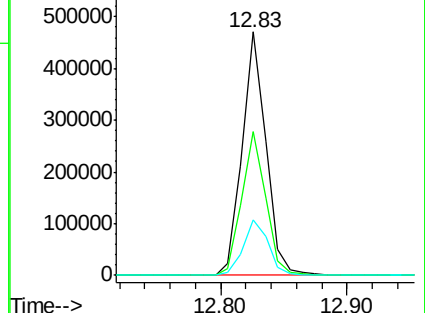
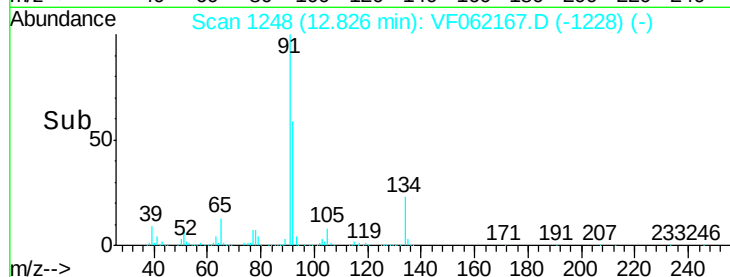
134 23.0 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.089 ug/l

RT: 12.89 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062167.D

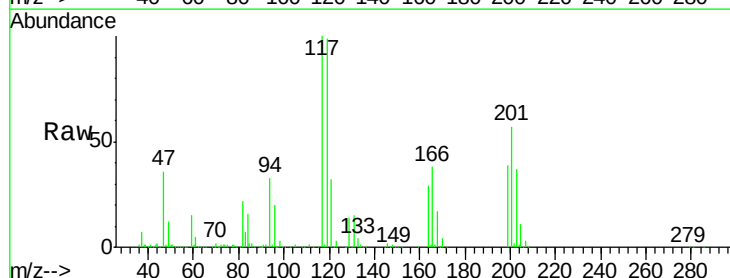
Acq: 4 Apr 2019 20:56

Tgt Ion: 117 Resp: 150818

Ion Ratio Lower Upper

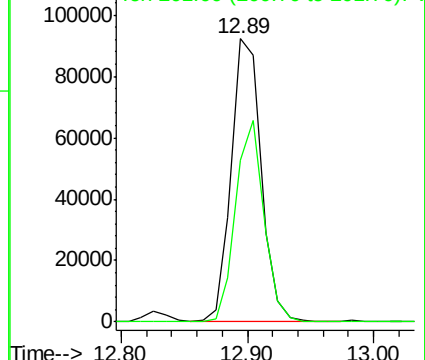
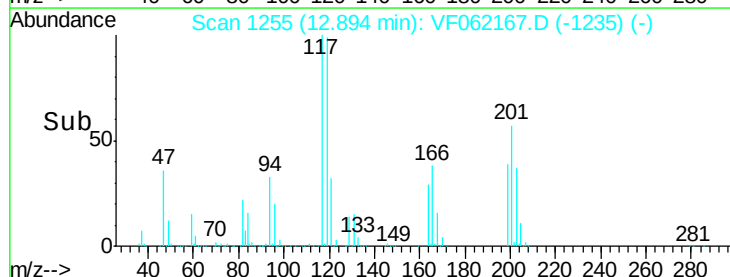
117 100

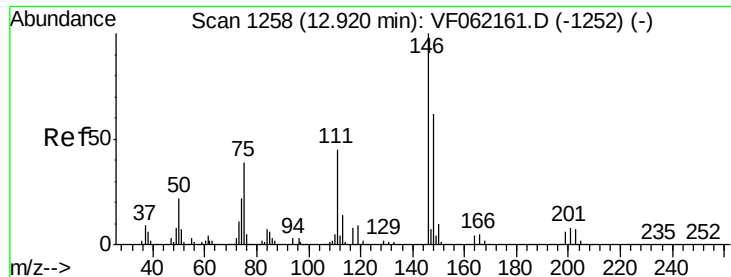
201 57.1 36.8 110.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 52.478 ug/l

RT: 12.92 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

Instrument :

MSVOA_F

ClientSampleId :

ICVVF040419

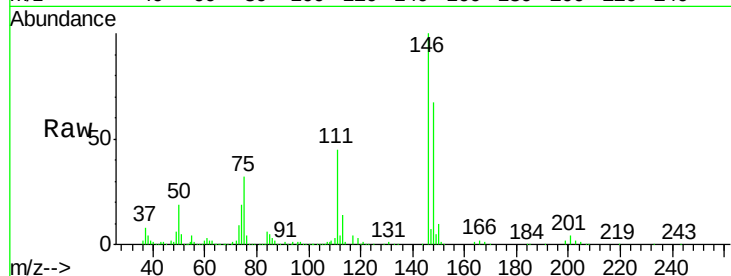
Tgt Ion:146 Resp: 242996

Ion Ratio Lower Upper

146 100

111 44.7 22.4 67.0

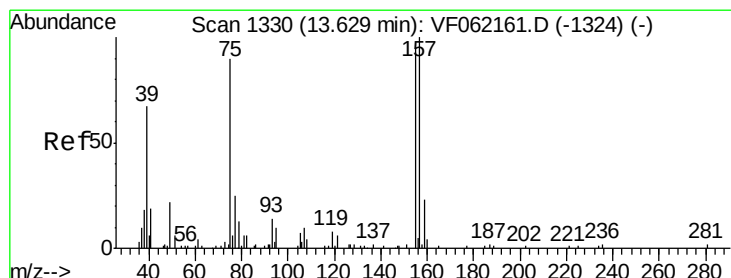
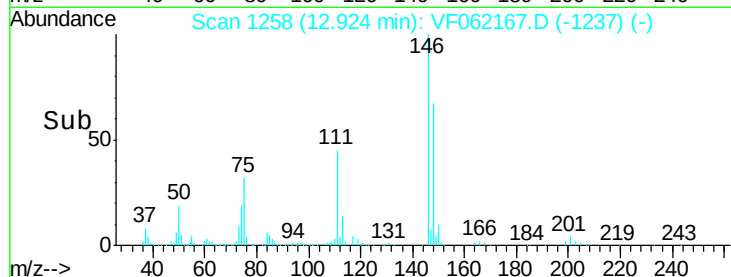
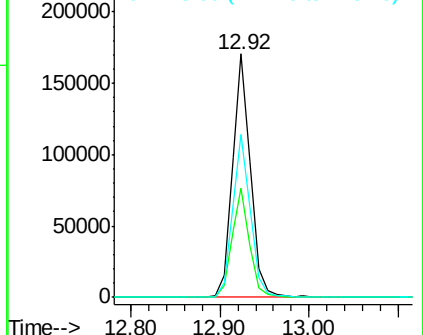
148 67.2 30.9 92.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.459 ug/l

RT: 13.62 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VF062167.D

Acq: 4 Apr 2019 20:56

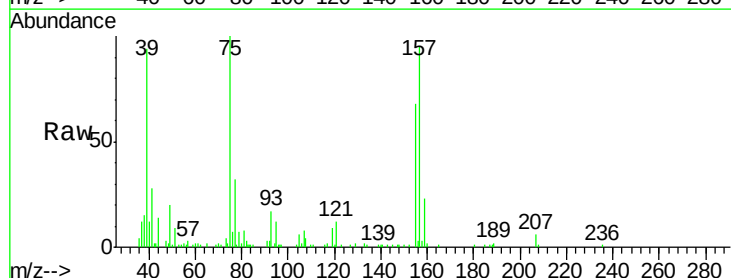
Tgt Ion: 75 Resp: 21082

Ion Ratio Lower Upper

75 100

155 68.2 52.8 158.3

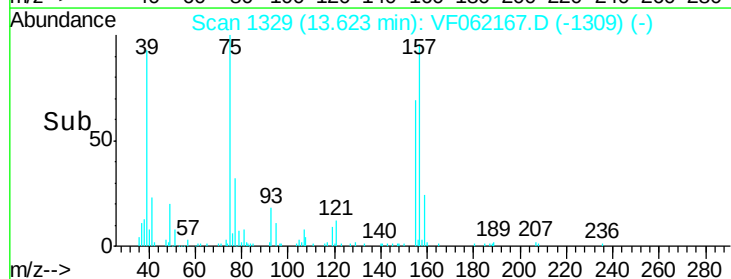
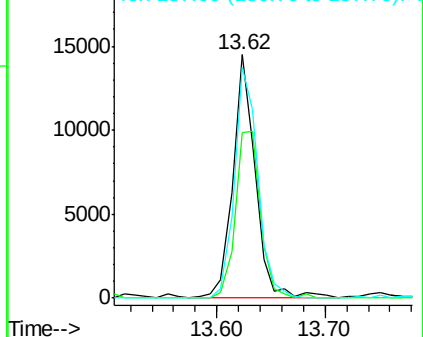
157 95.0 55.7 167.1

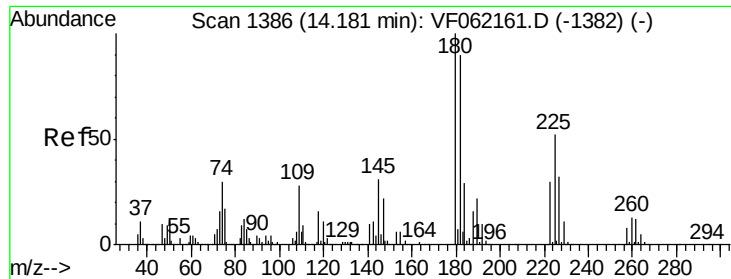


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

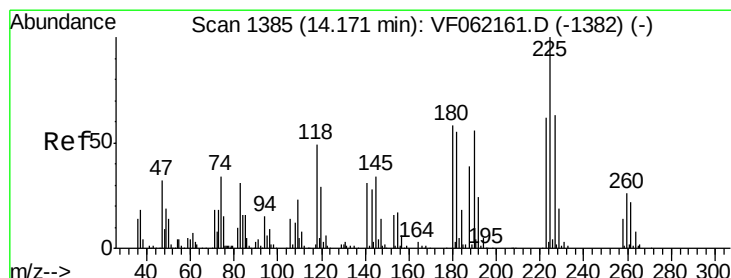
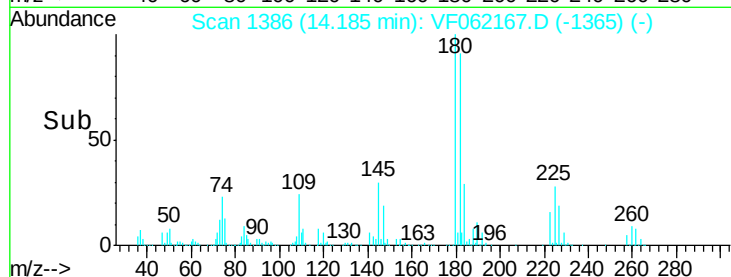
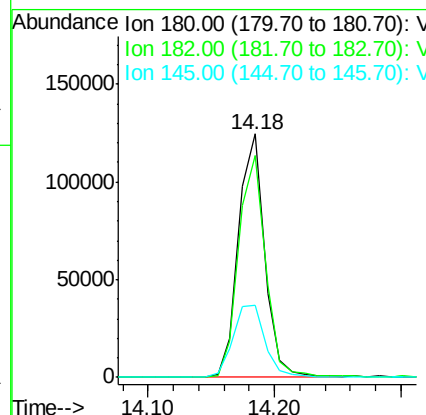
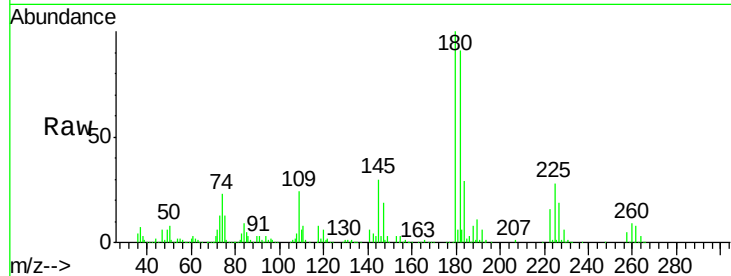




#93
 1,2,4-Trichlorobenzene
 Concen: 52.633 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

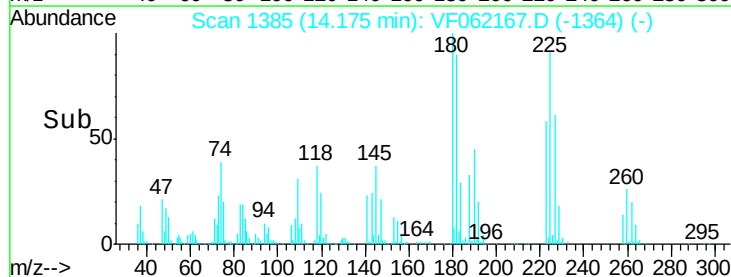
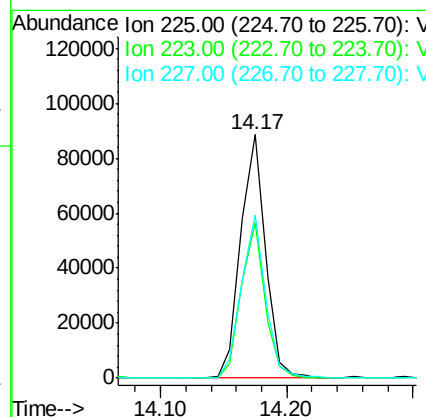
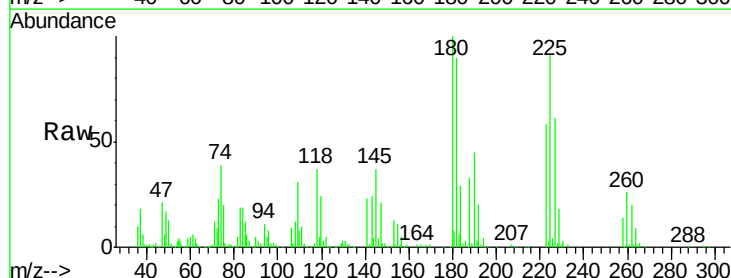
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF040419

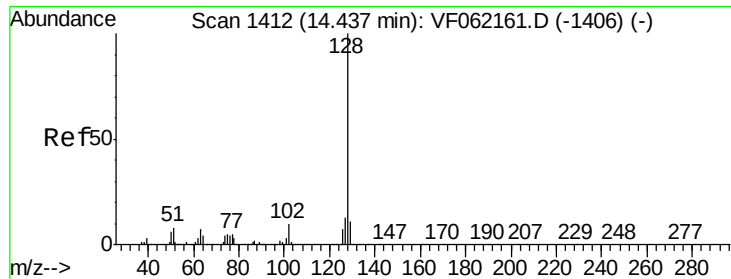
Tgt Ion:180 Resp: 178174
 Ion Ratio Lower Upper
 180 100
 182 91.3 45.1 135.2
 145 29.7 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 55.159 ug/l
 RT: 14.17 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VF062167.D
 Acq: 4 Apr 2019 20:56

Tgt Ion:225 Resp: 120169
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.0 93.0
 227 66.8 32.8 98.3

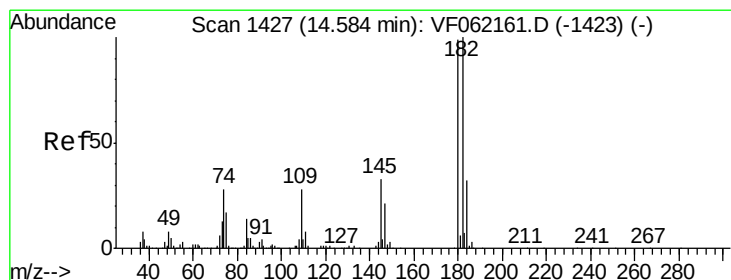
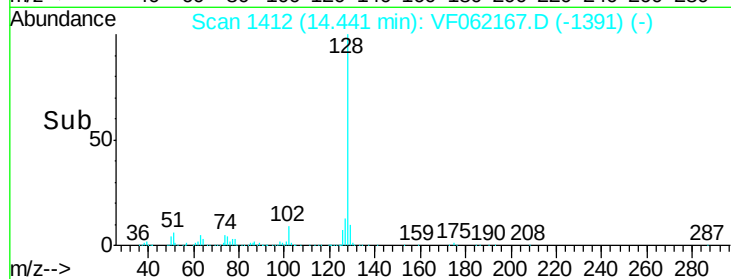
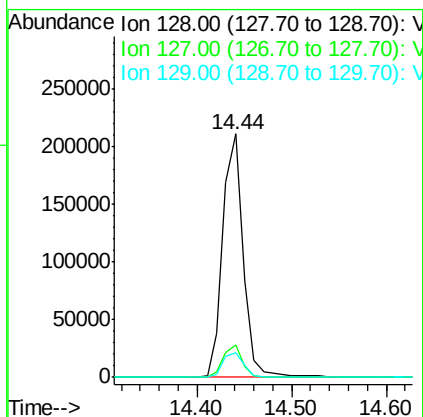
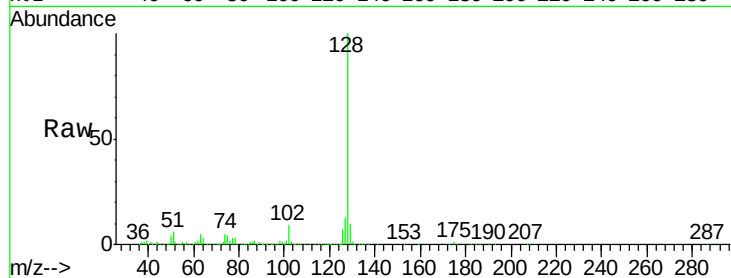




#95
Naphthalene
Concen: 57.169 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Instrument :
MSVOA_F
ClientSampled :
ICVVF040419

Tgt Ion:128 Resp: 317010
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 10.2 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 55.660 ug/l
RT: 14.59 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VF062167.D
Acq: 4 Apr 2019 20:56

Tgt Ion:180 Resp: 163031
Ion Ratio Lower Upper
180 100
182 96.4 50.4 151.2
145 29.9 16.7 50.1

