

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060035.D
 Acq On : 22 Aug 2018 12:58
 Operator : VA/AP
 Sample : VF0822SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

Quant Time: Aug 23 04:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	211470	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	326510	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	352759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	214285	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	142810	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	4.32	113	134745	52.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	7.73	98	372635	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.52	95	198131	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.97	85	60368	21.68	ug/l	95
3) Chloromethane	1.07	50	48671	25.09	ug/l	99
4) Vinyl Chloride	1.12	62	39076	22.61	ug/l	96
5) Bromomethane	1.32	94	29229	22.25	ug/l	96
6) Chloroethane	1.40	64	14668	21.53	ug/l	100
7) Trichlorofluoromethane	1.49	101	78013	22.44	ug/l	97
8) Diethyl Ether	1.72	74	14385	23.15	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.87	101	40203	22.03	ug/l	91
10) Methyl Iodide	1.94	142	58474	24.24	ug/l	97
11) Tert butyl alcohol	2.70	59	16315	105.96	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	30000	22.32	ug/l	97
13) Acrolein	2.10	56	5853	81.99	ug/l	90
14) Allyl chloride	2.20	41	55621	23.30	ug/l	96
15) Acrylonitrile	3.10	53	33329	109.69	ug/l	88
16) Acetone	2.36	43	85365	112.22	ug/l	98
17) Carbon Disulfide	1.85	76	98022	23.29	ug/l	100
18) Methyl Acetate	2.46	43	30390	21.00	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	92599	21.50	ug/l	95
20) Methylene Chloride	2.29	84	41184	24.92	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	31401	20.88	ug/l	90
22) Diisopropyl ether	2.95	45	109657	20.51	ug/l	98
23) Vinyl Acetate	3.35	43	344876	121.77	ug/l	98
24) 1,1-Dichloroethane	3.02	63	70821	21.44	ug/l	99
25) 2-Butanone	4.53	43	114475	115.86	ug/l	96
26) 2,2-Dichloropropane	3.79	77	78123	22.86	ug/l	93
27) cis-1,2-Dichloroethene	3.66	96	50883	23.87	ug/l	90
28) Bromochloromethane	3.91	49	31589	22.66	ug/l	96
29) Tetrahydrofuran	4.28	42	41428	111.05	ug/l	98
30) Chloroform	4.06	83	101037	21.80	ug/l	100
31) Cyclohexane	3.87	56	59721	23.73	ug/l	89
32) 1,1,1-Trichloroethane	4.30	97	87853	22.13	ug/l	96
36) 1,1-Dichloropropene	4.48	75	71494	23.30	ug/l	98
37) Ethyl Acetate	4.31	43	38995	21.25	ug/l	94
38) Carbon Tetrachloride	4.19	117	81252	22.87	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	65156	22.65	ug/l	90
40) Benzene	4.83	78	155811	23.25	ug/l	95
41) Methacrylonitrile	4.94	41	18589	20.03	ug/l #	91
42) 1,2-Dichloroethane	5.14	62	75254	20.94	ug/l	98
43) Isopropyl Acetate	7.13	43	50433	21.84	ug/l #	94
44) Trichloroethene	5.70	130	51460	23.22	ug/l	99
45) 1,2-Dichloropropane	6.43	63	43548	22.97	ug/l	100
46) Dibromomethane	6.27	93	33677	22.70	ug/l	93
47) Bromodichloromethane	6.58	83	77964	21.76	ug/l #	92
48) Methyl methacrylate	6.89	41	33065	21.63	ug/l	94
49) 1,4-Dioxane	6.90	88	7009	477.73	ug/l	96
51) 4-Methyl-2-Pentanone	8.43	43	225272	112.95	ug/l	97
52) Toluene	7.80	92	113663	23.79	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	74643	22.97	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	84723	23.36	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	41198	22.78	ug/l	97
56) Ethyl methacrylate	8.78	69	49026	22.40	ug/l	91
57) 1,3-Dichloropropane	9.02	76	69988	22.02	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.80	63	18966	109.15	ug/l	100
59) 2-Hexanone	9.65	43	192377	119.17	ug/l	97
60) Dibromochloromethane	8.88	129	58910	22.07	ug/l	100
61) 1,2-Dibromoethane	9.16	107	46063	21.69	ug/l	98
64) Tetrachloroethene	8.33	164	51585	21.71	ug/l	97
65) Chlorobenzene	9.97	112	147996	22.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	54177	21.44	ug/l	97
67) Ethyl Benzene	10.06	91	258789	22.52	ug/l	99
68) m/p-Xylenes	10.29	106	193833	46.50	ug/l	98
69) o-Xylene	10.84	106	102752	22.82	ug/l	94
70) Styrene	10.92	104	157209	22.76	ug/l	98
71) Bromoform	10.90	173	37242	21.13	ug/l	97
73) Isopropylbenzene	11.25	105	292193	22.65	ug/l	98
74) N-amyl acetate	11.47	43	87658	21.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	60918	21.63	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	47132	21.58	ug/l	99
77) Bromobenzene	11.61	156	74803	21.32	ug/l	97
78) n-propylbenzene	11.70	91	352963	22.17	ug/l	99
79) 2-Chlorotoluene	11.83	91	209170	22.34	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	257427	22.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	27943	27.96	ug/l	95
82) 4-Chlorotoluene	12.01	91	225421	22.18	ug/l	99
83) tert-Butylbenzene	12.23	119	253358	23.12	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	267244	22.37	ug/l	98
85) sec-Butylbenzene	12.40	105	342165	22.42	ug/l	98
86) p-Isopropyltoluene	12.55	119	288114	22.76	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	145778	22.48	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	138923	21.55	ug/l	99
89) n-Butylbenzene	12.93	91	282600	22.98	ug/l	97
90) Hexachloroethane	13.01	117	60826	21.38	ug/l	93
91) 1,2-Dichlorobenzene	13.03	146	136789	21.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	10522	18.28	ug/l	97

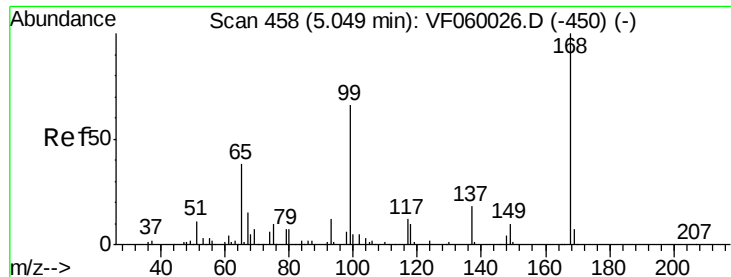
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082218\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102963	22.42	ug/l	97
94) Hexachlorobutadiene	14.27	225	61836	21.63	ug/l	95
95) Naphthalene	14.54	128	149341	20.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.69	180	96689	22.06	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

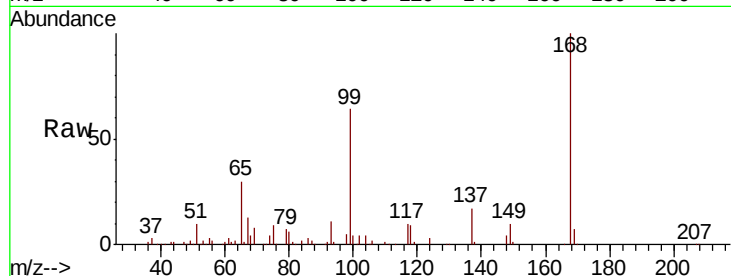
VF0822SBS01

Tot Ion:168 Resp: 211470

Ion Ratio Lower Upper

168 100

99 63.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

80000

60000

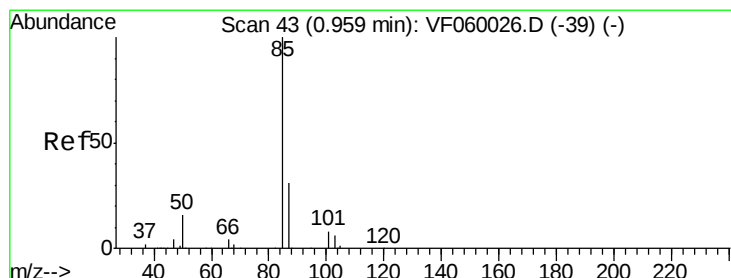
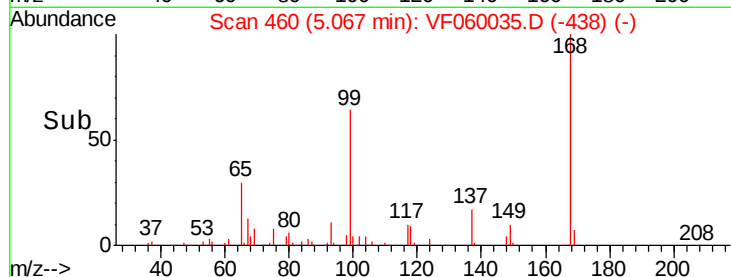
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.68 ug/l

RT: 0.97 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060035.D

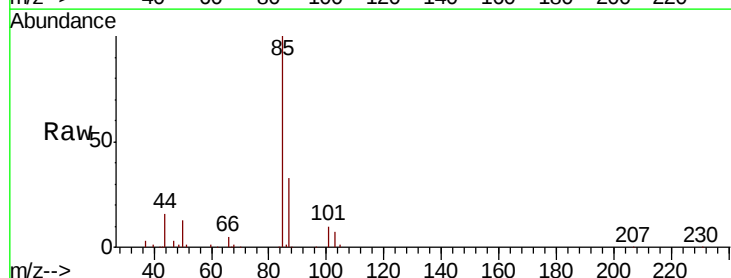
Acq: 22 Aug 2018 12:58

Tgt Ion: 85 Resp: 60368

Ion Ratio Lower Upper

85 100

87 33.2 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

30000

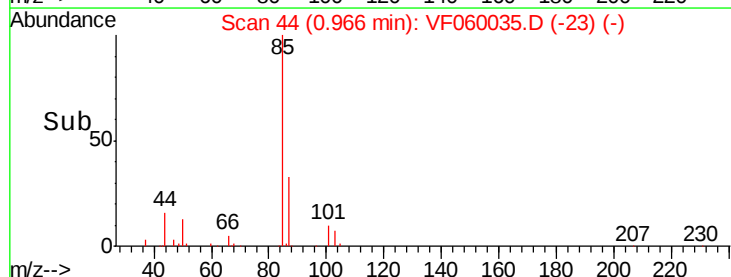
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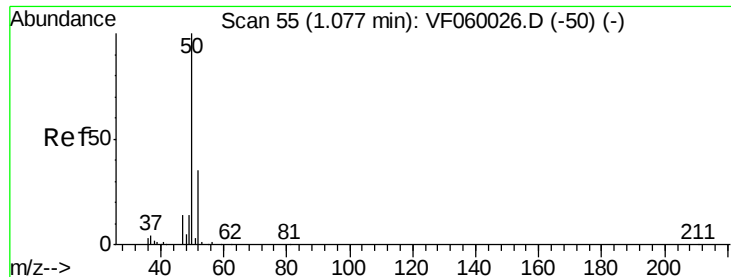
10000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 25.09 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

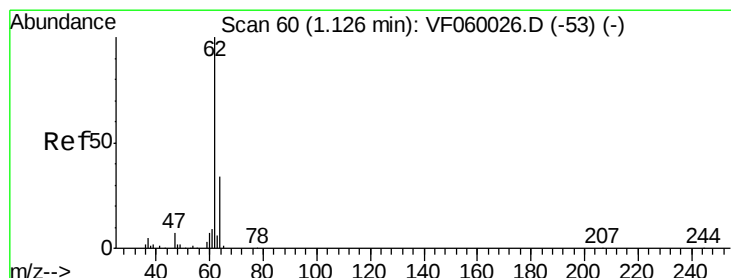
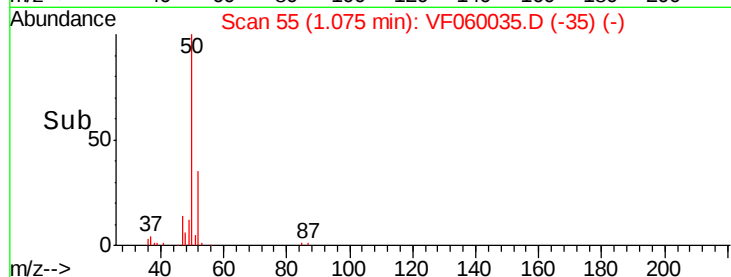
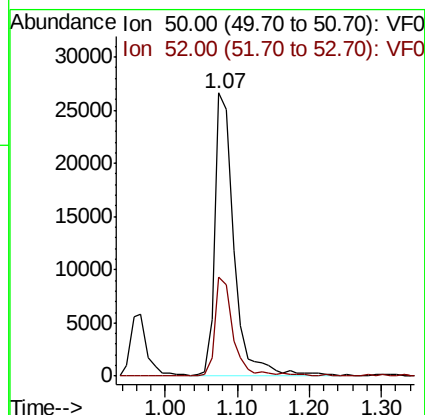
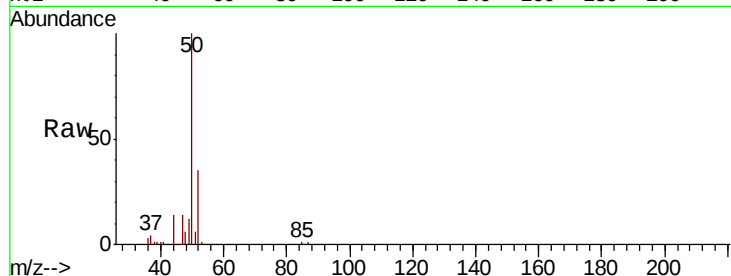
VF0822SBSD01

Tot Ion: 50 Resp: 48671

Ion Ratio Lower Upper

50 100

52 35.2 27.6 41.4



#4

Vinyl Chloride

Concen: 22.61 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060035.D

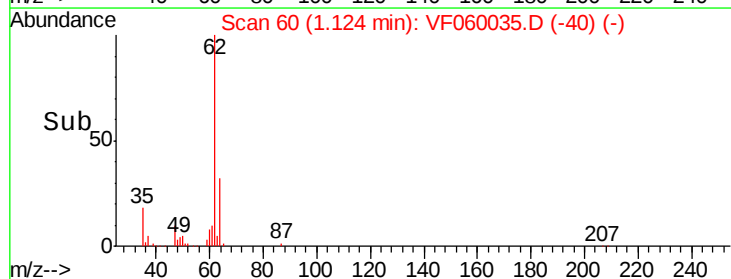
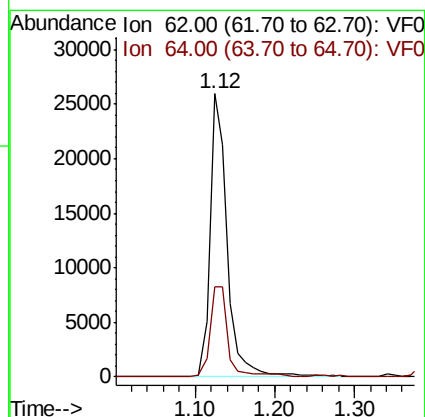
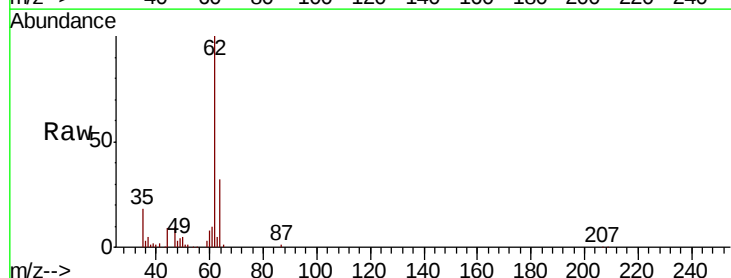
Acq: 22 Aug 2018 12:58

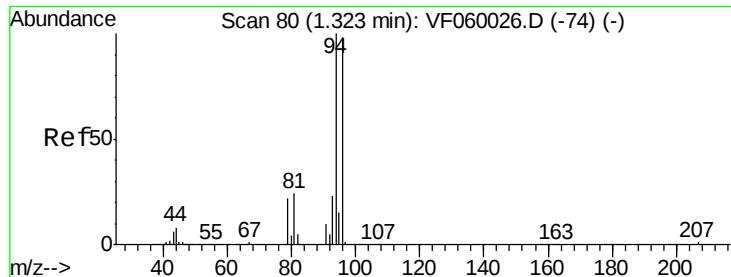
Tgt Ion: 62 Resp: 39076

Ion Ratio Lower Upper

62 100

64 31.9 27.4 41.2





#5

Bromomethane

Concen: 22.25 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

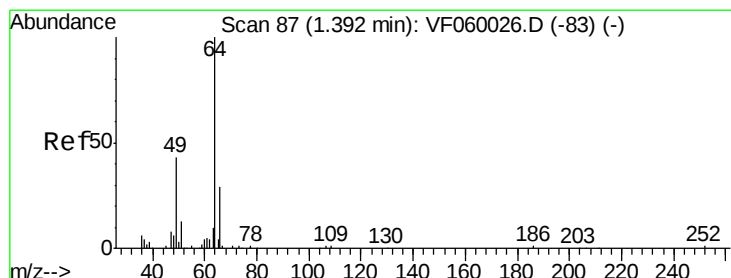
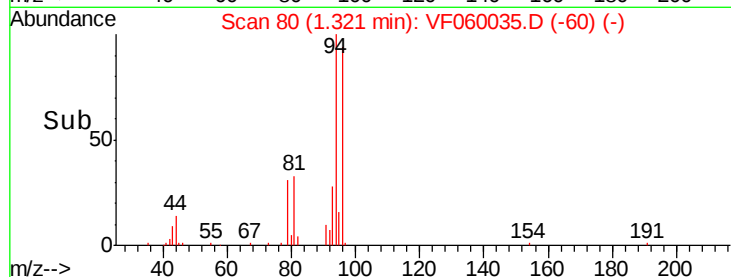
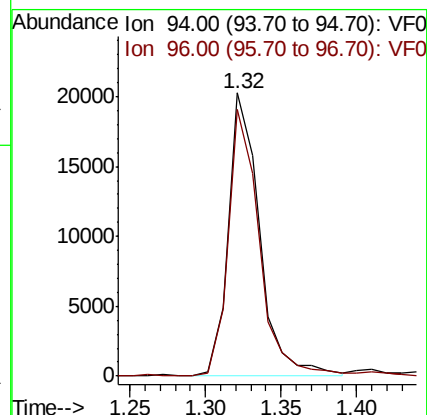
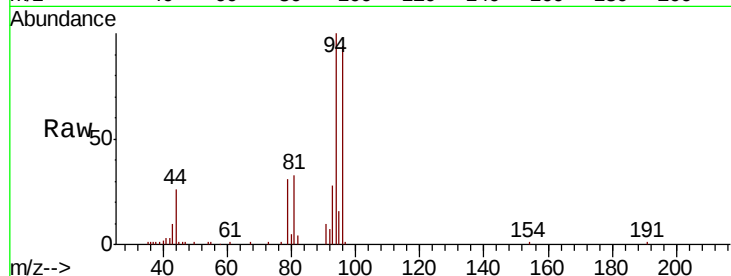
VF0822SBS01

Tot Ion: 94 Resp: 29229

Ion Ratio Lower Upper

94 100

96 94.3 78.6 118.0



#6

Chloroethane

Concen: 21.53 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060035.D

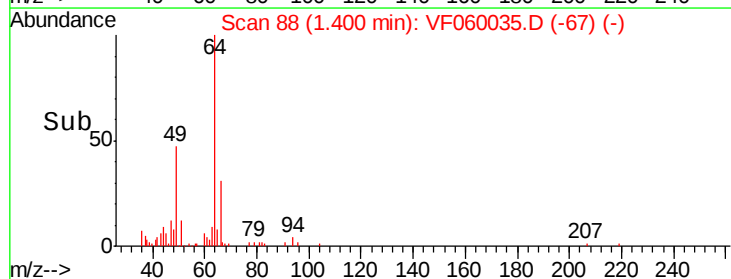
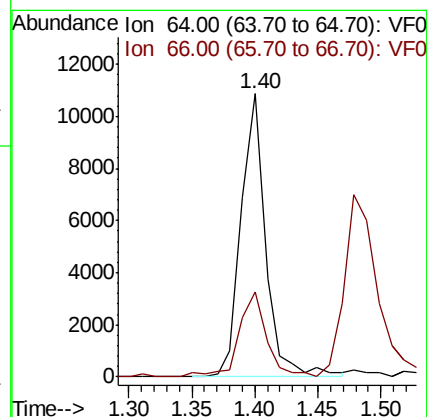
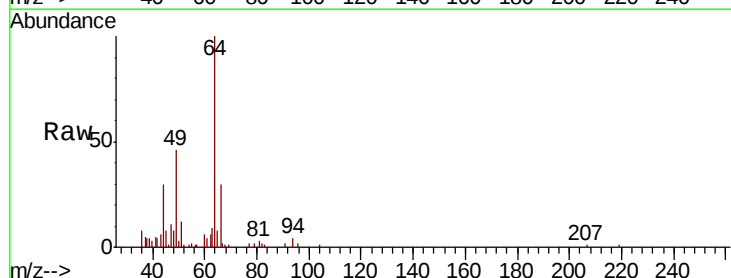
Acq: 22 Aug 2018 12:58

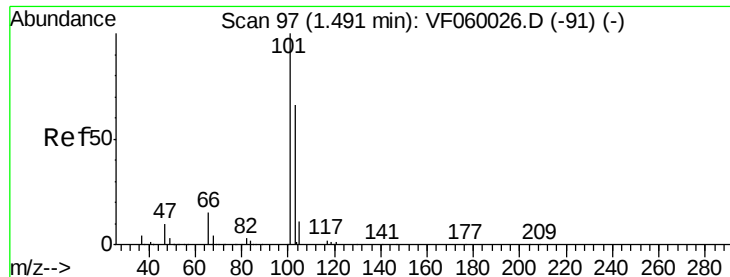
Tgt Ion: 64 Resp: 14668

Ion Ratio Lower Upper

64 100

66 30.0 24.1 36.1





#7

Trichlorofluoromethane

Concen: 22.44 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

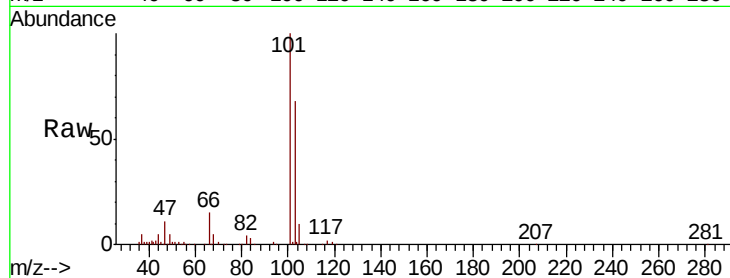
VF0822SBSD01

Tot Ion:101 Resp: 78013

Ion Ratio Lower Upper

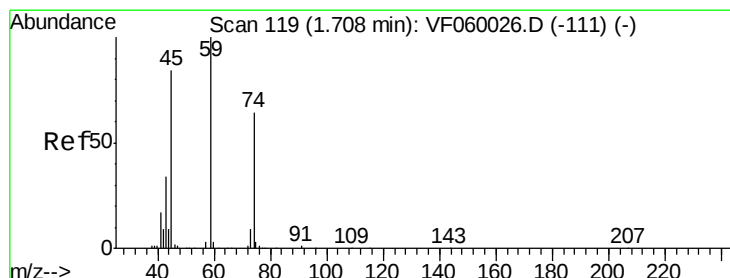
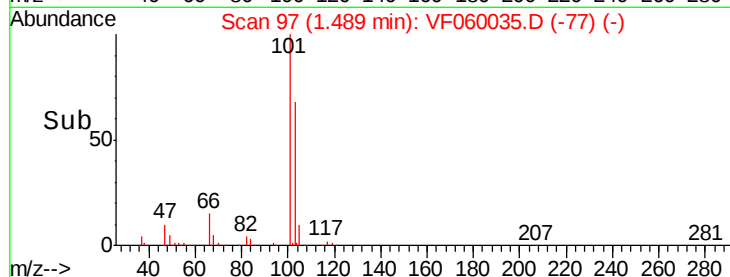
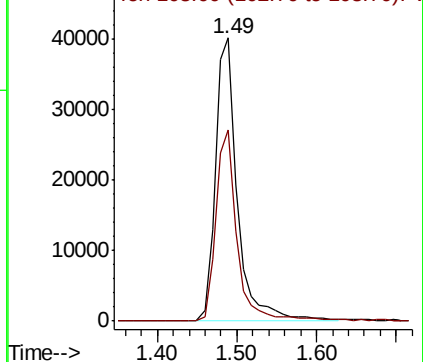
101 100

103 67.7 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 23.15 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF060035.D

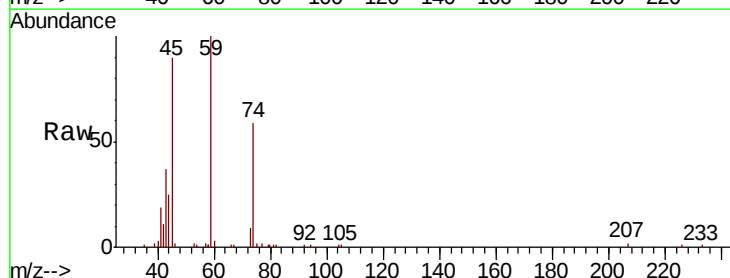
Acq: 22 Aug 2018 12:58

Tgt Ion: 74 Resp: 14385

Ion Ratio Lower Upper

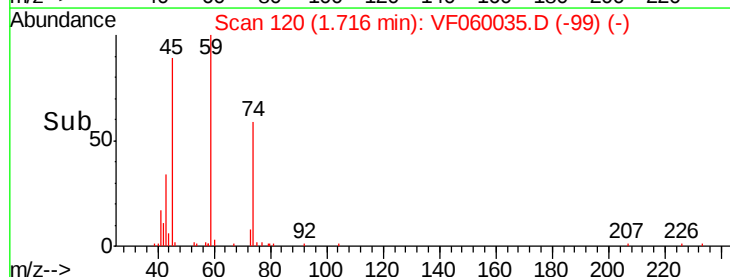
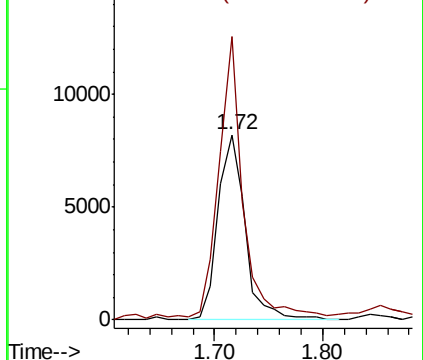
74 100

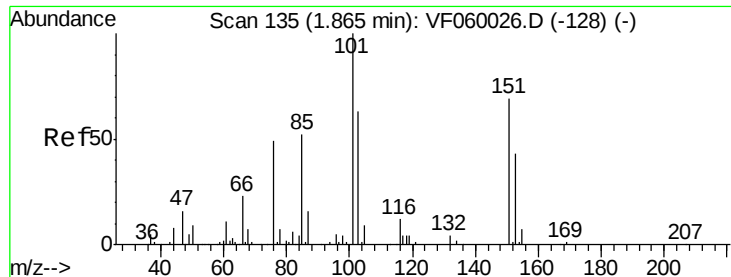
45 153.1 66.0 198.0



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: 22.03 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

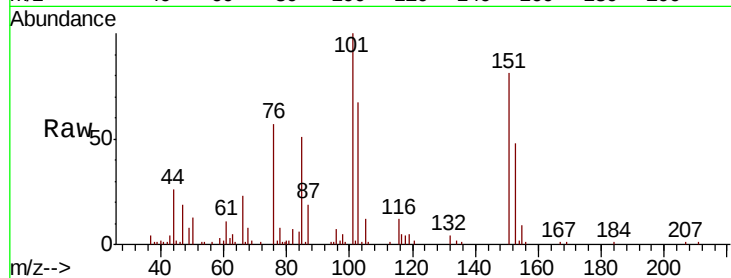
Tot Ion:101 Resp: 40203

Ion Ratio Lower Upper

101 100

85 50.6 41.5 62.3

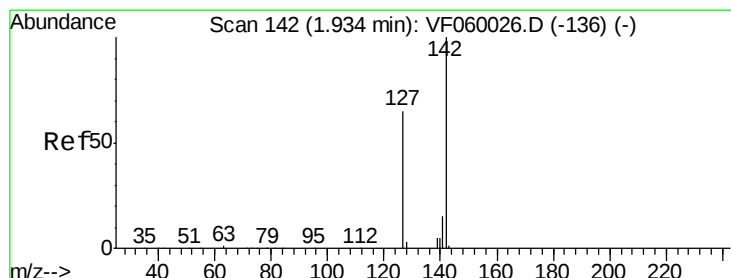
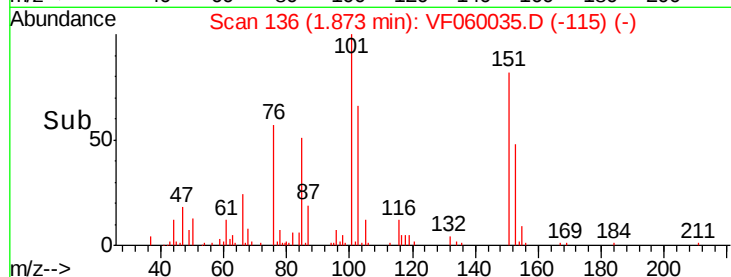
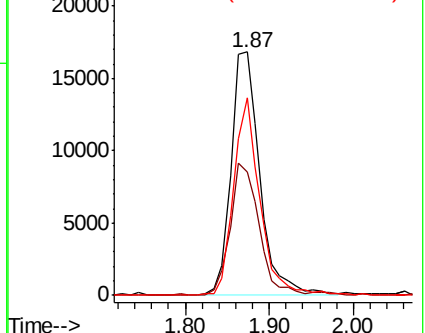
151 81.2 55.2 82.8



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: 24.24 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

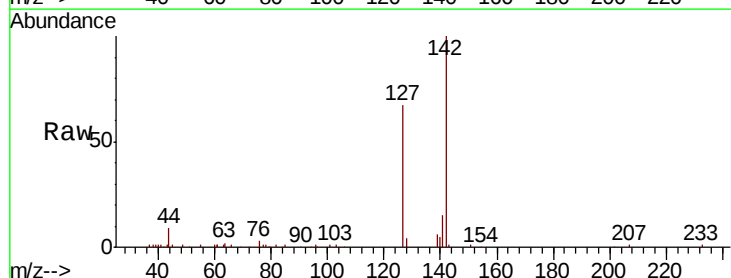
Tgt Ion:142 Resp: 58474

Ion Ratio Lower Upper

142 100

127 67.5 51.8 77.6

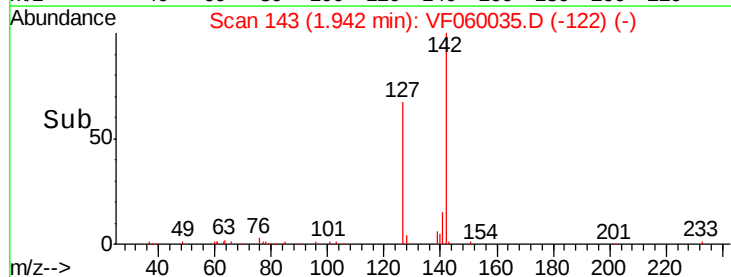
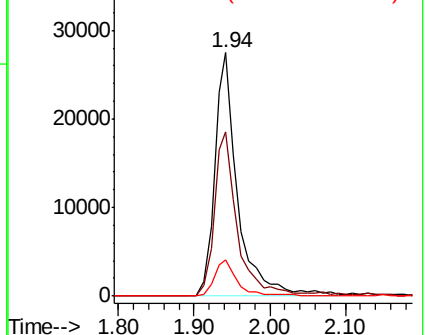
141 14.7 11.9 17.9

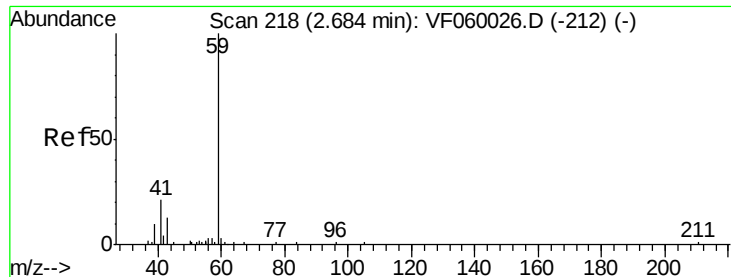


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

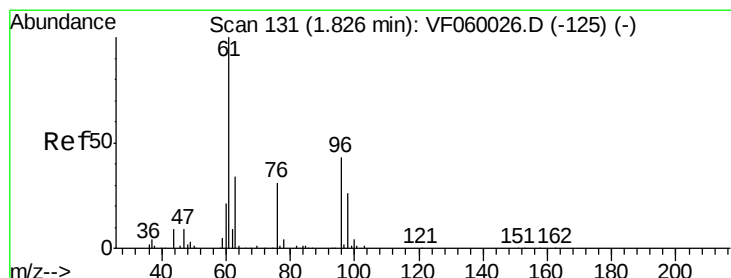
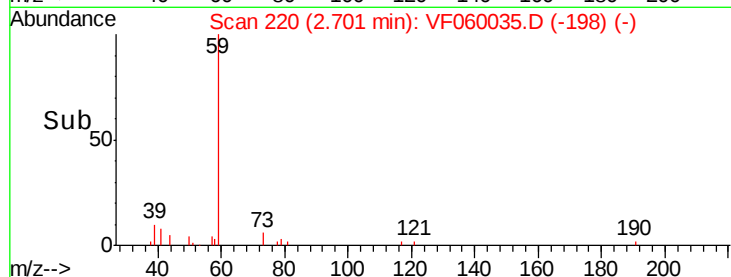
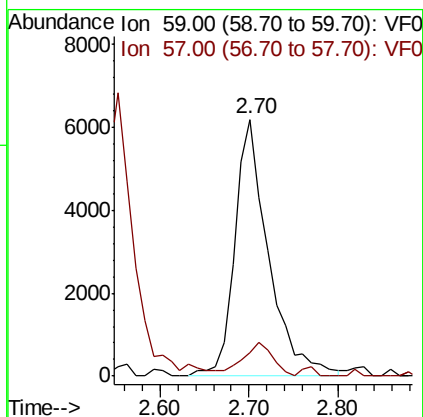
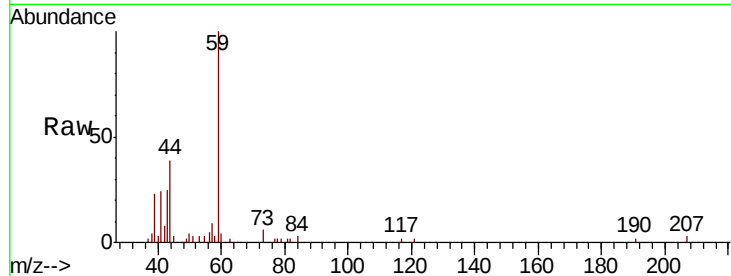




#11
Tert butyl alcohol
Concen: 105.96 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

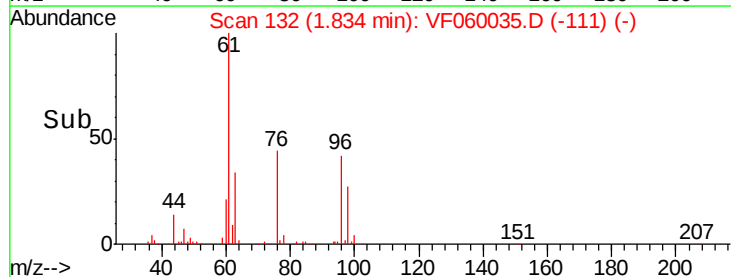
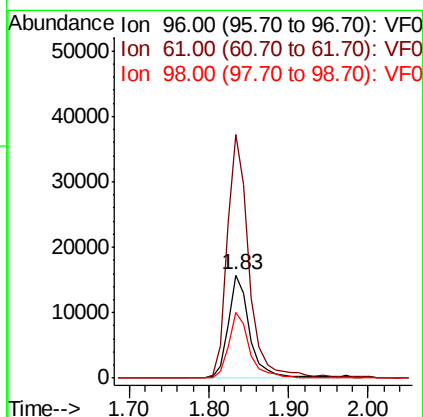
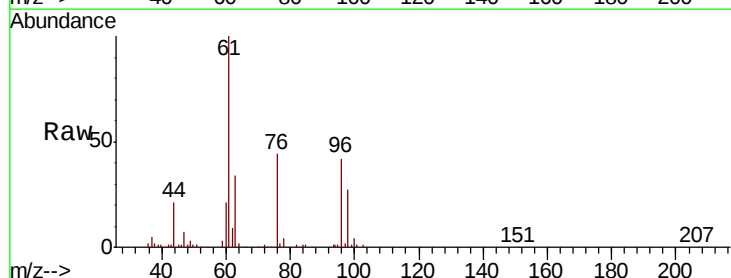
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

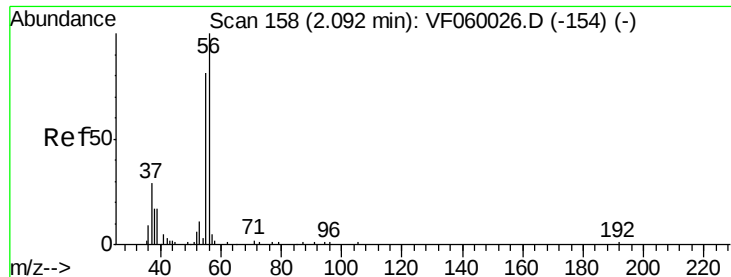
Tot Ion: 59 Resp: 16315
Ion Ratio Lower Upper
59 100
57 9.2 5.4 8.2#



#12
1,1-Dichloroethene
Concen: 22.32 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion: 96 Resp: 30000
Ion Ratio Lower Upper
96 100
61 236.1 185.0 277.6
98 63.8 47.8 71.8





#13

Acrolein

Concen: 81.99 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

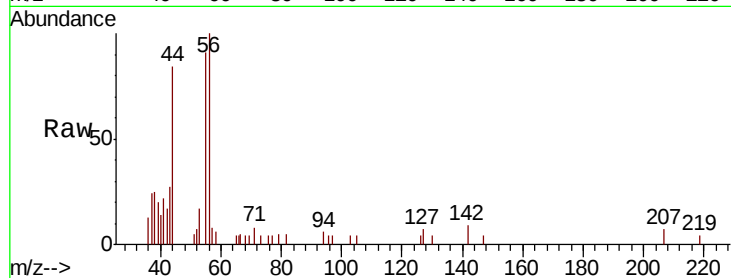
VF0822SBS01

Tot Ion: 56 Resp: 5853

Ion Ratio Lower Upper

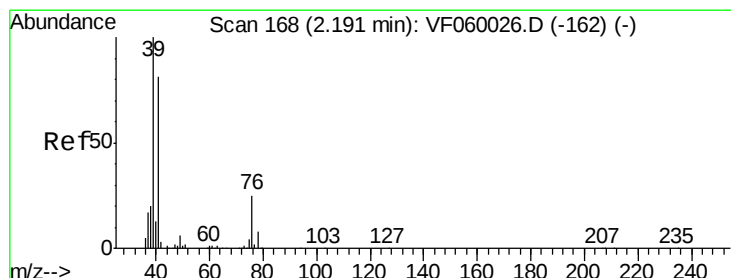
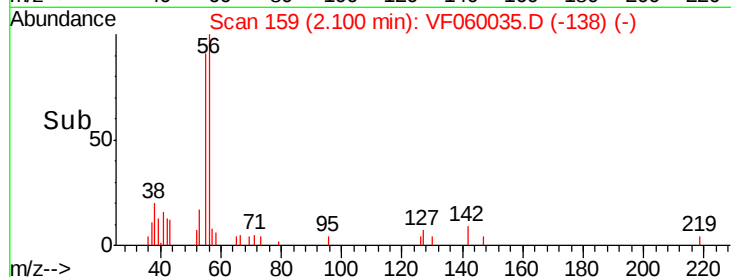
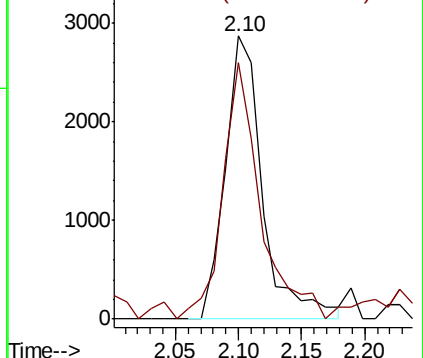
56 100

55 90.7 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.30 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

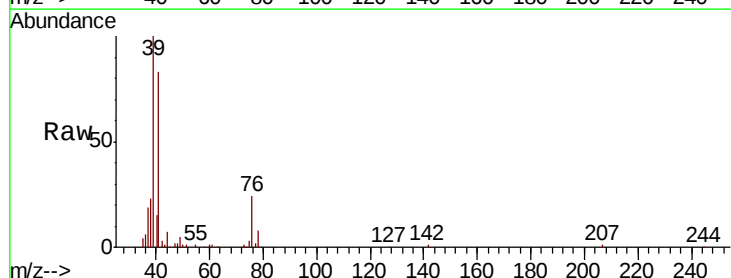
Tgt Ion: 41 Resp: 55621

Ion Ratio Lower Upper

41 100

39 120.0 99.3 148.9

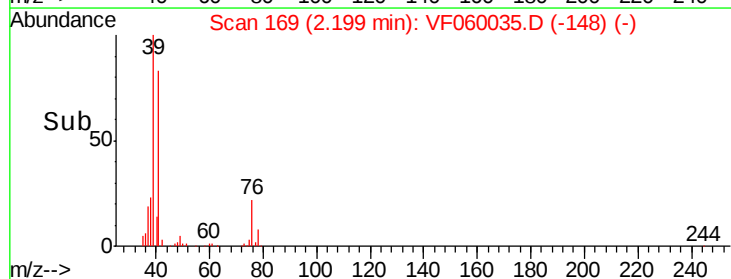
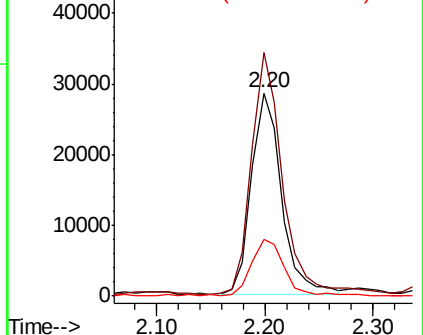
76 28.2 24.3 36.5

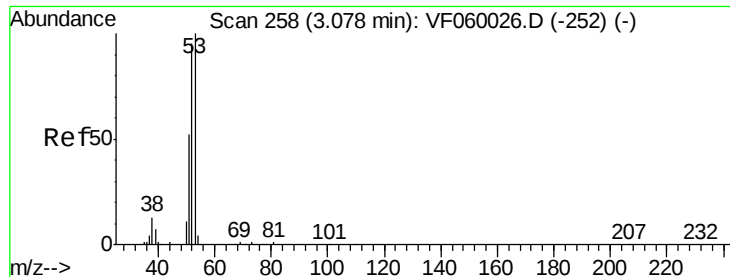


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 109.69 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

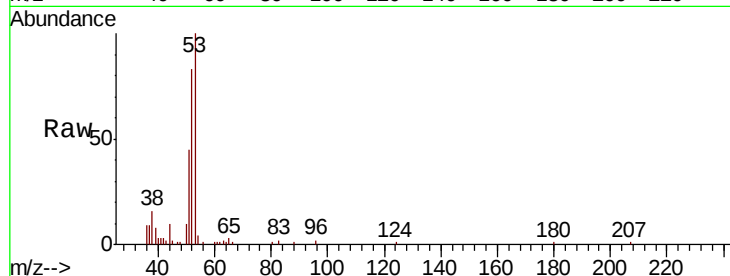
Tot Ion: 53 Resp: 33329

Ion Ratio Lower Upper

53 100

52 83.0 75.8 113.8

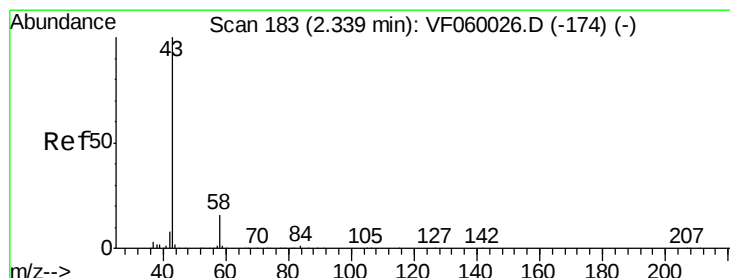
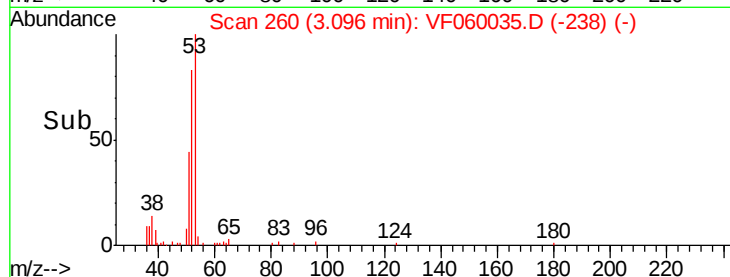
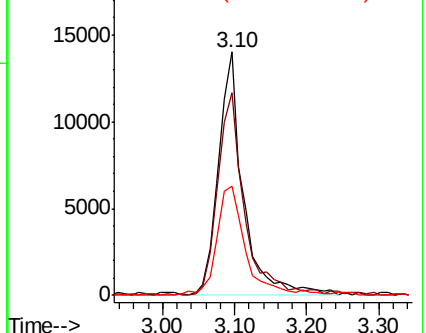
51 44.7 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 112.22 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF060035.D

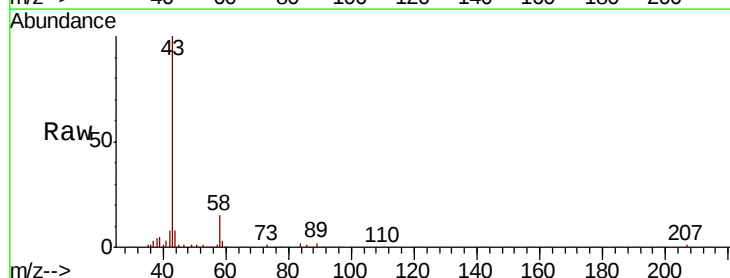
Acq: 22 Aug 2018 12:58

Tgt Ion: 43 Resp: 85365

Ion Ratio Lower Upper

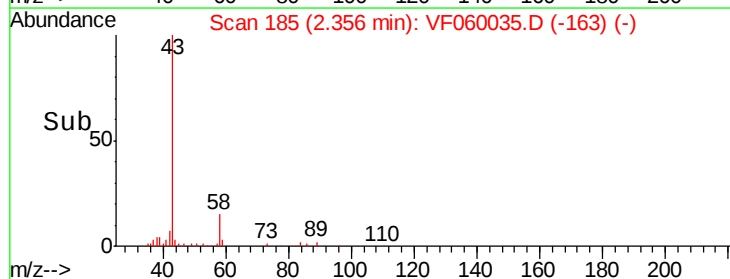
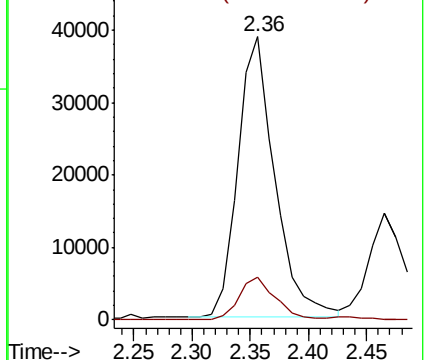
43 100

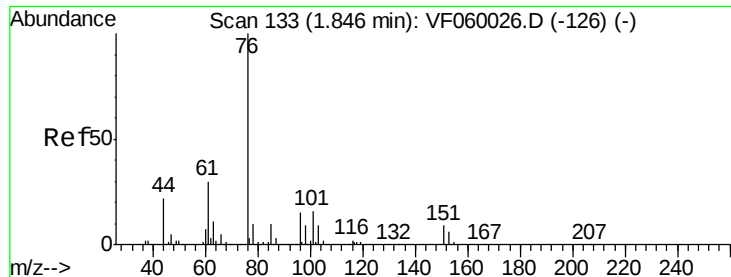
58 15.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

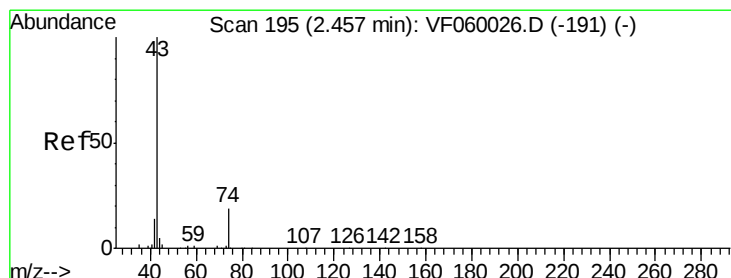
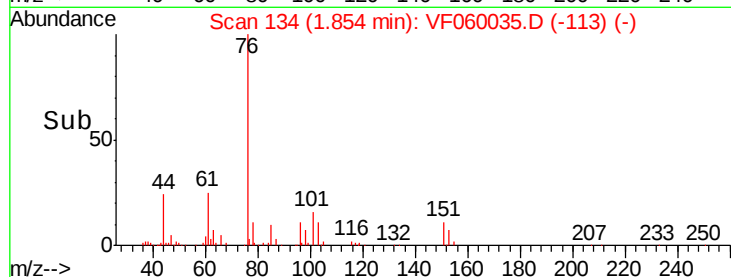
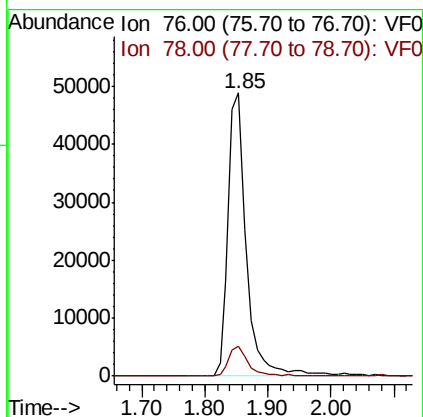
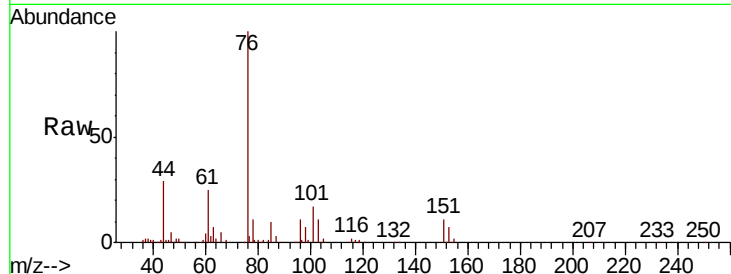




#17
Carbon Disulfide
Concen: 23.29 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

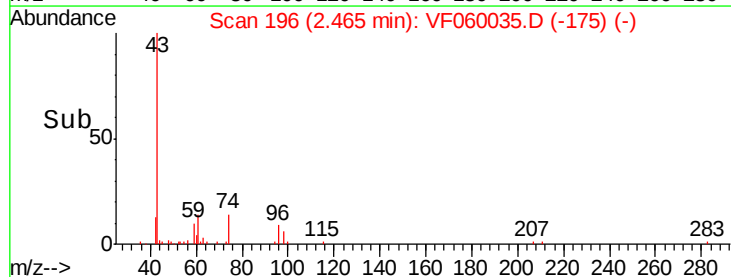
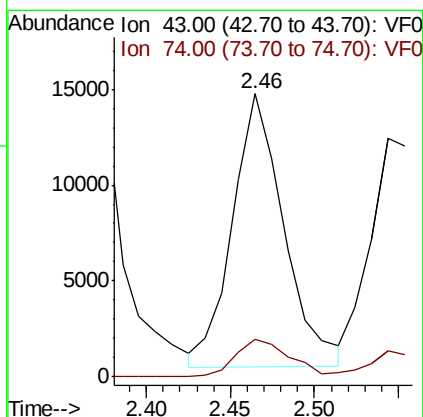
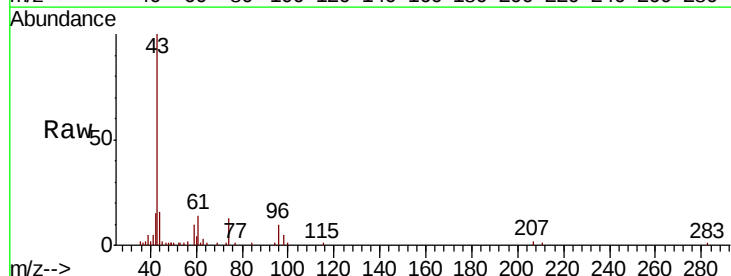
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

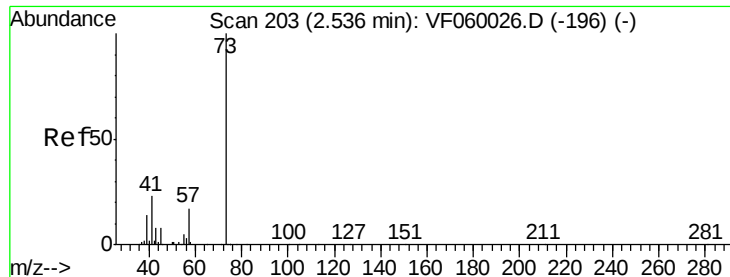
Tot Ion: 76 Resp: 98022
Ion Ratio Lower Upper
76 100
78 10.6 8.4 12.6



#18
Methyl Acetate
Concen: 21.00 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion: 43 Resp: 30390
Ion Ratio Lower Upper
43 100
74 13.3 13.8 20.6#



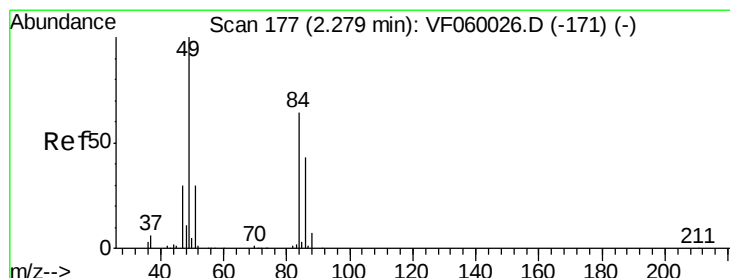
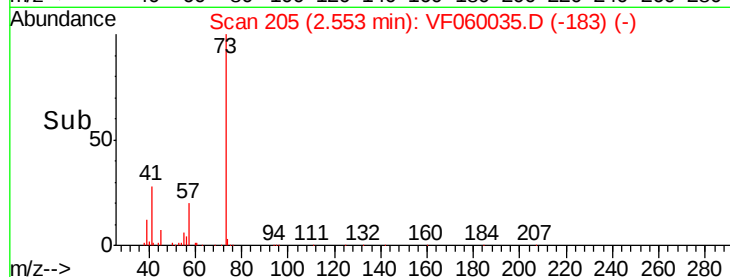
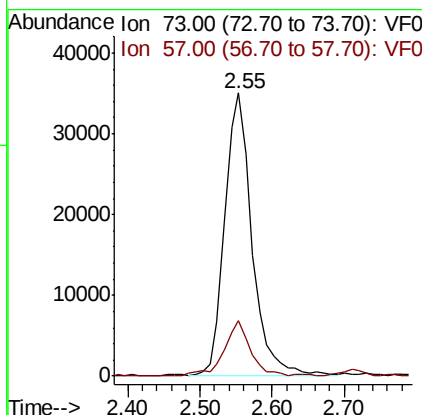
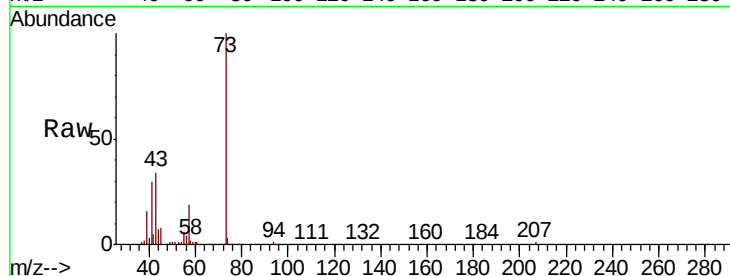


#19

Methyl tert-butyl Ether
 Concen: 21.50 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

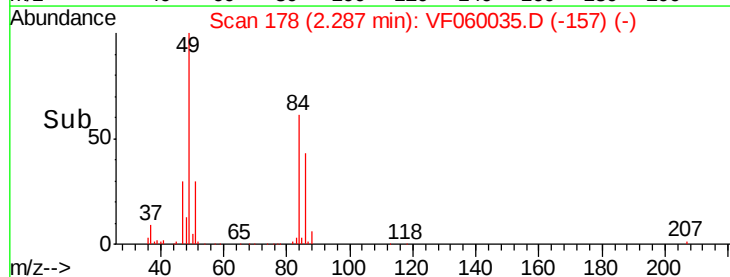
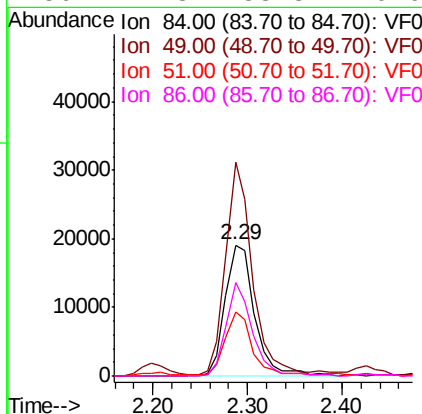
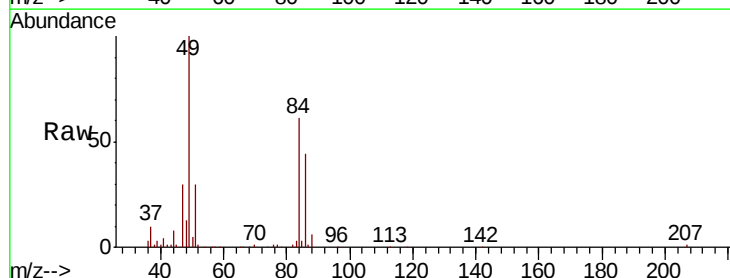
Tot Ion: 73 Resp: 92599
 Ion Ratio Lower Upper
 73 100
 57 19.5 13.7 20.5

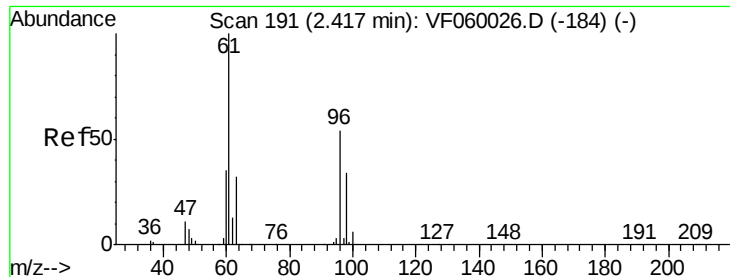


#20

Methylene Chloride
 Concen: 24.92 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion: 84 Resp: 41184
 Ion Ratio Lower Upper
 84 100
 49 163.3 125.4 188.0
 51 49.0 38.3 57.5
 86 71.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.88 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

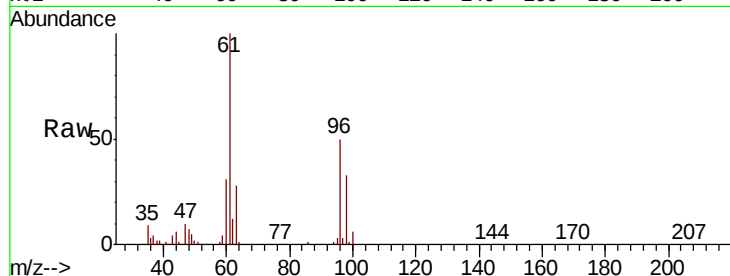
Tot Ion: 96 Resp: 31401

Ion Ratio Lower Upper

96 100

61 200.9 147.4 221.0

98 66.0 49.8 74.6

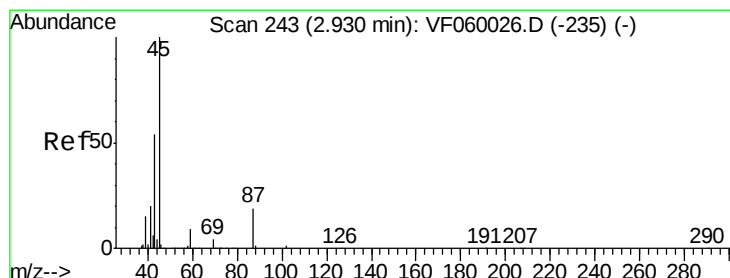
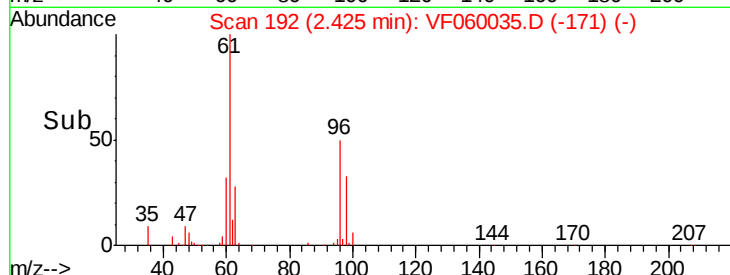
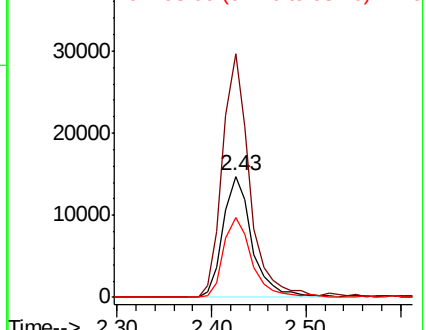


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 20.51 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Tgt Ion: 45 Resp: 109657

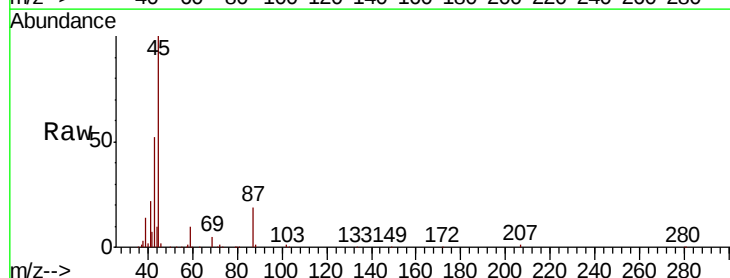
Ion Ratio Lower Upper

45 100

43 52.1 43.4 65.2

87 18.9 15.4 23.2

59 10.1 7.5 11.3



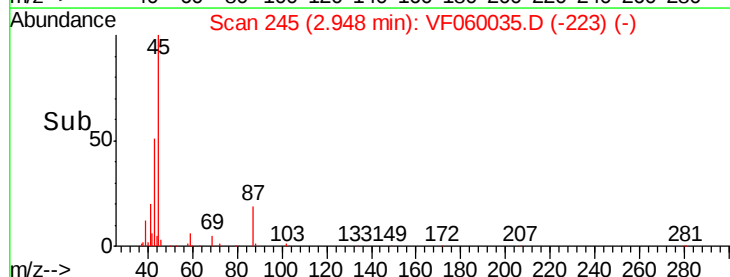
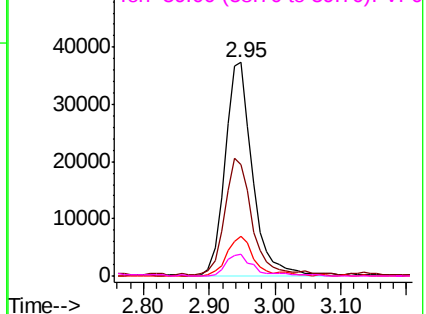
Abundance

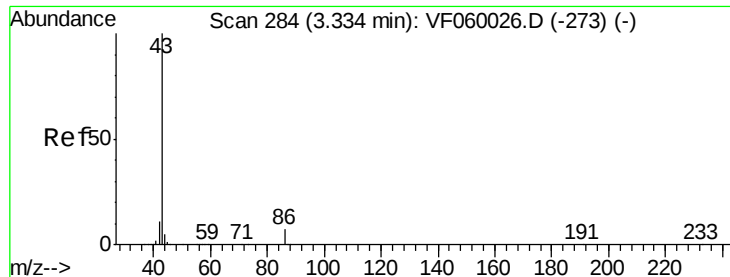
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 121.77 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

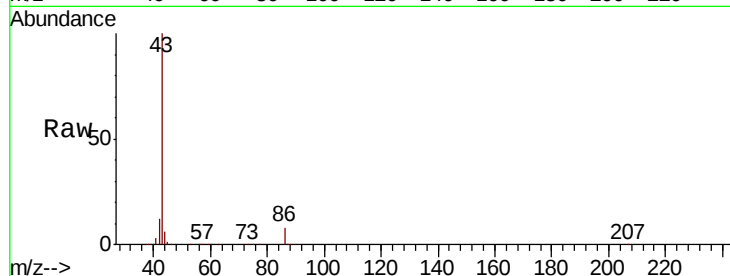
VF0822SBSD01

Tot Ion: 43 Resp: 344876

Ion Ratio Lower Upper

43 100

86 7.8 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

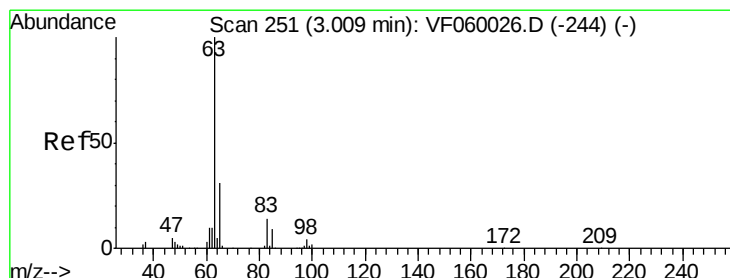
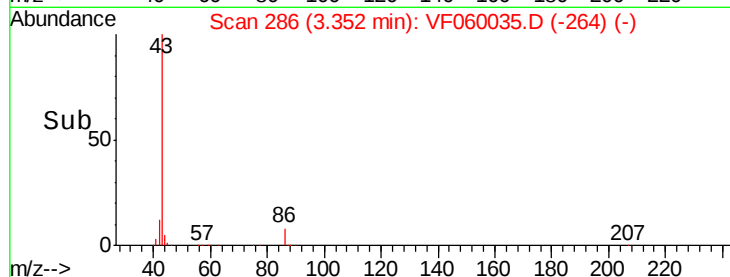
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 21.44 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

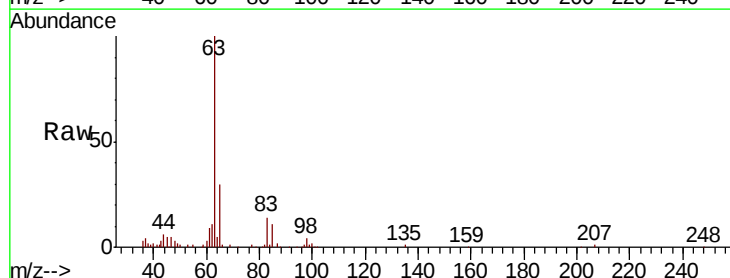
Tgt Ion: 63 Resp: 70821

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.5

100 2.3 1.1 3.3



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

3.02

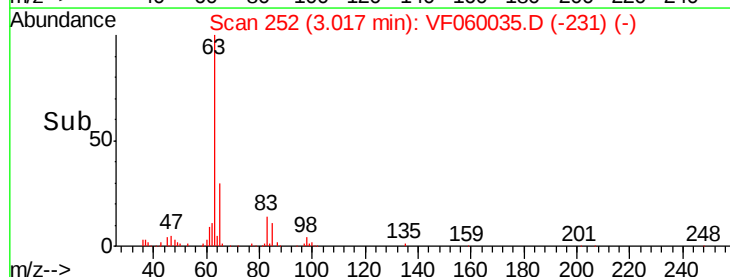
30000

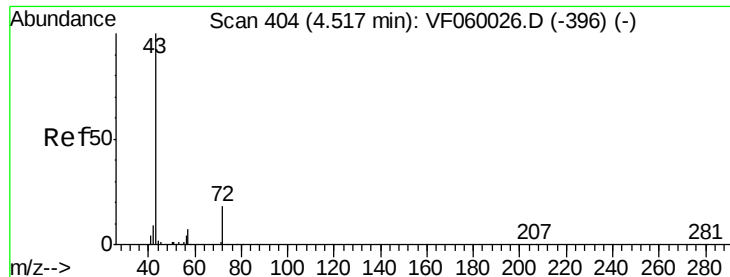
20000

10000

0

Time--> 2.90 3.00 3.10





#25

2-Butanone

Concen: 115.86 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

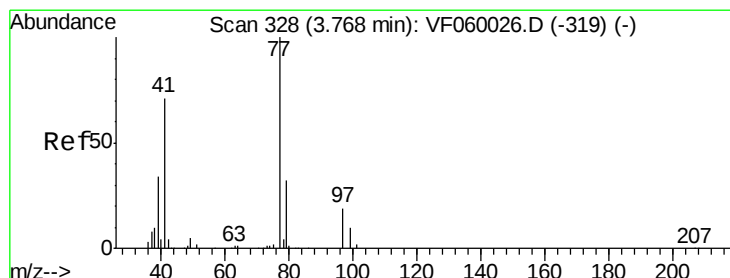
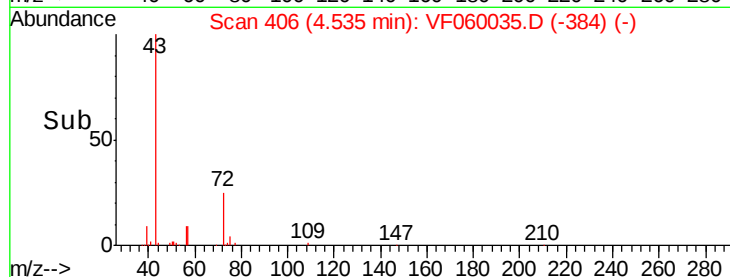
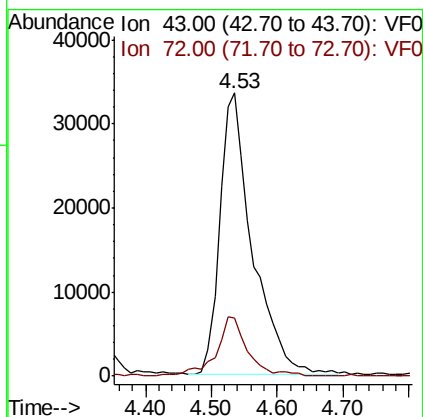
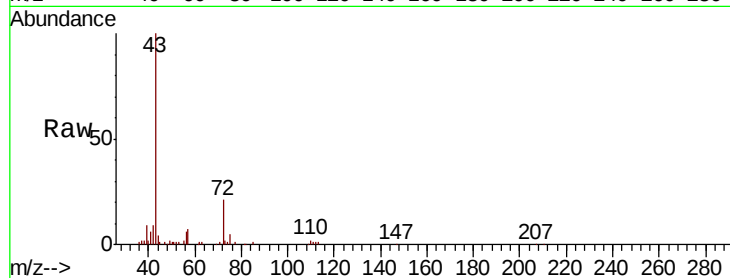
VF0822SBSD01

Tot Ion: 43 Resp: 114475

Ion Ratio Lower Upper

43 100

72 20.5 15.0 22.6



#26

2,2-Dichloropropane

Concen: 22.86 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF060035.D

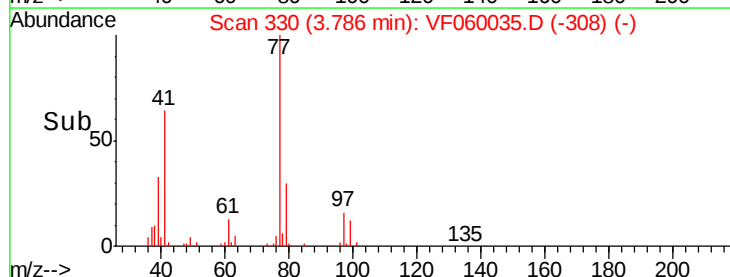
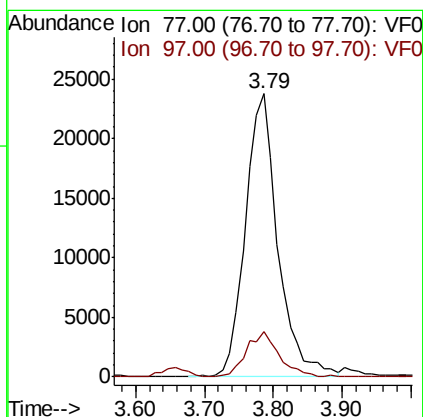
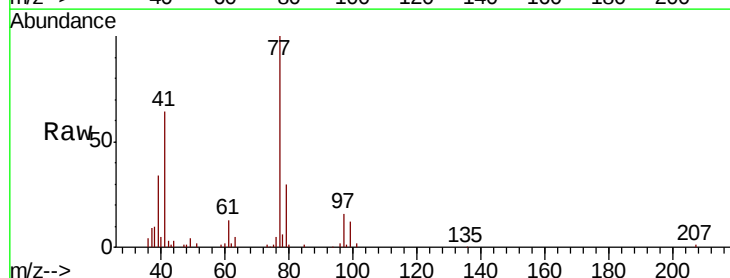
Acq: 22 Aug 2018 12:58

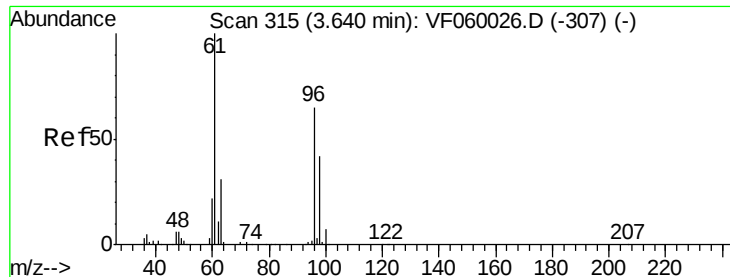
Tgt Ion: 77 Resp: 78123

Ion Ratio Lower Upper

77 100

97 16.0 9.7 29.1



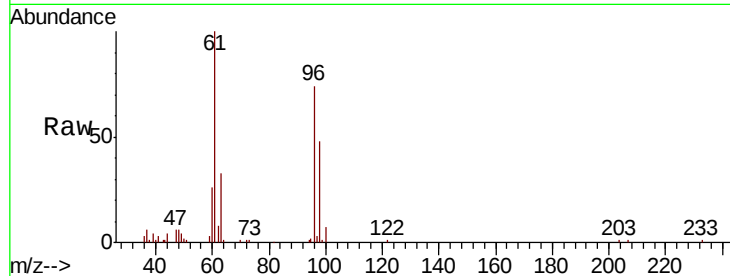


#27

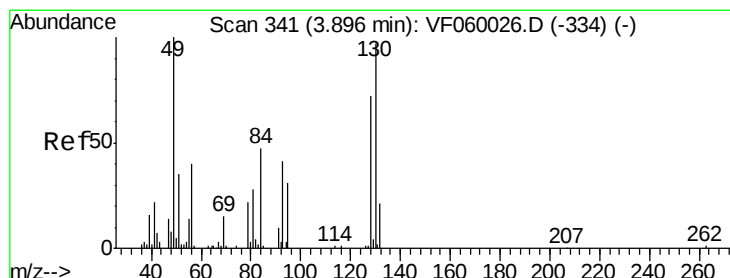
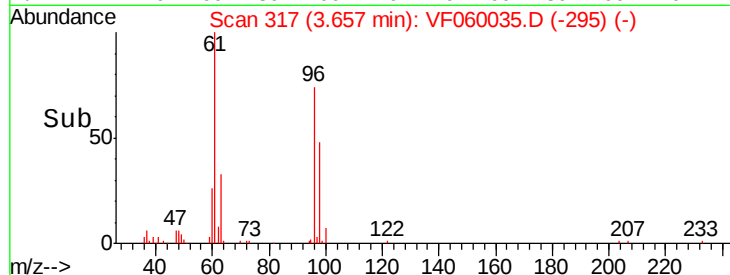
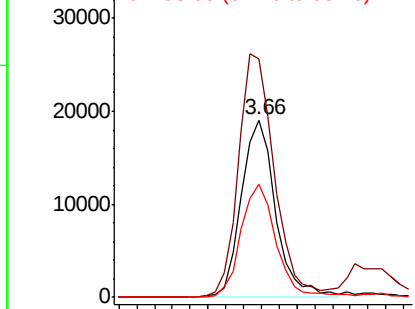
cis-1,2-Dichloroethene
Concen: 23.87 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

Tot Ion	96	Resp	50883
Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	307.6
98	64.1	0.0	128.4



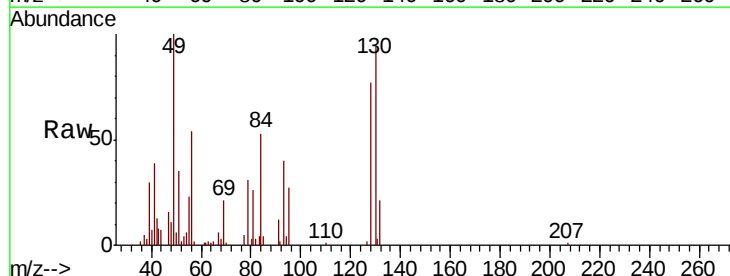
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



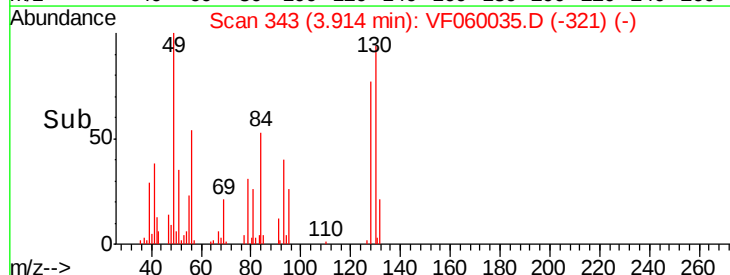
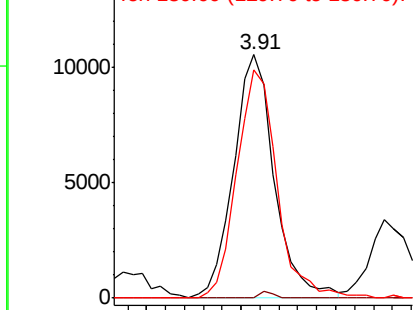
#28

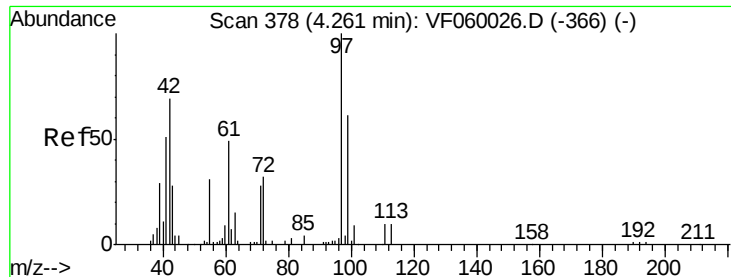
Bromochloromethane
Concen: 22.66 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion	49	Resp	31589
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	93.5	78.0	117.0



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 111.05 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

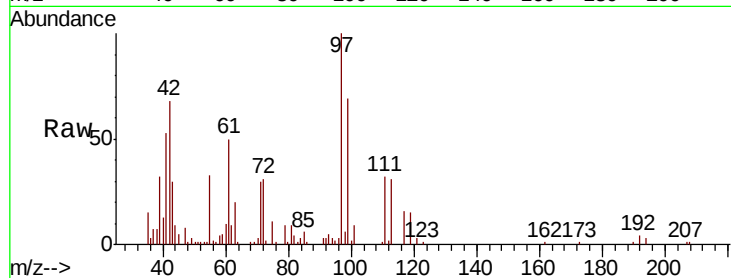
Tot Ion: 42 Resp: 41428

Ion Ratio Lower Upper

42 100

72 40.8 31.4 47.2

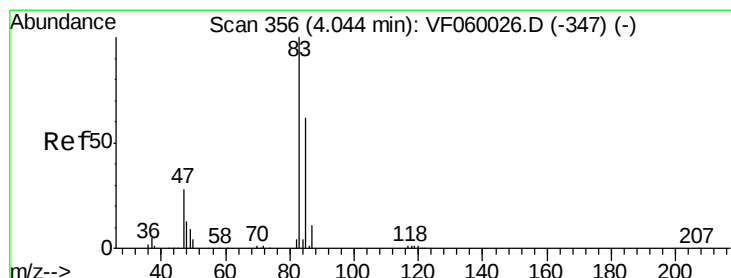
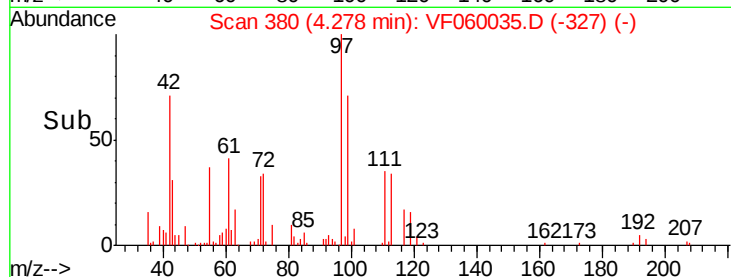
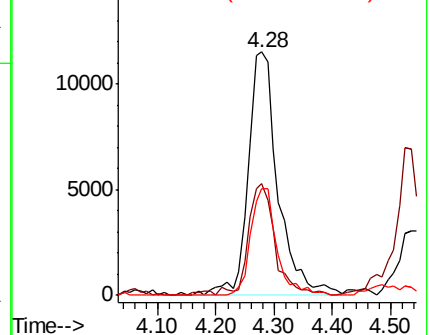
71 38.4 29.7 44.5



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: 21.80 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF060035.D

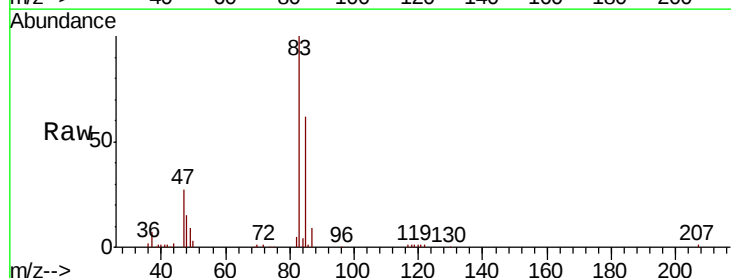
Acq: 22 Aug 2018 12:58

Tgt Ion: 83 Resp: 101037

Ion Ratio Lower Upper

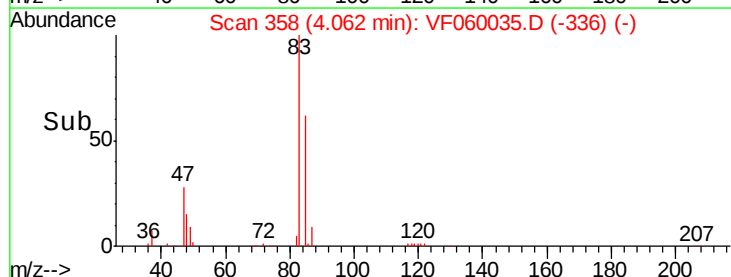
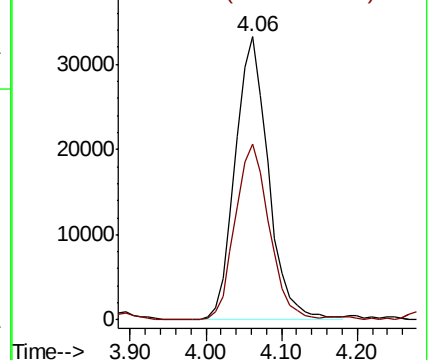
83 100

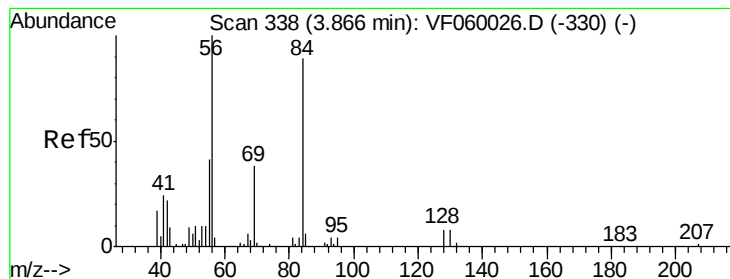
85 62.1 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 23.73 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

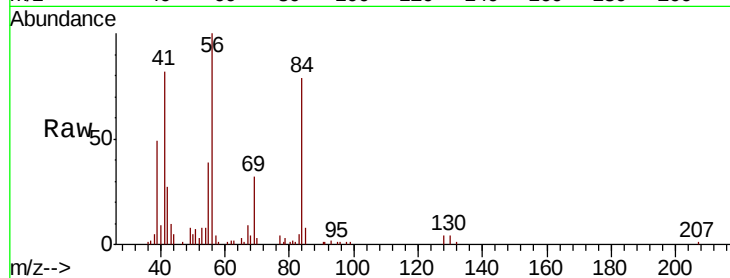
Tot Ion: 56 Resp: 59721

Ion Ratio Lower Upper

56 100

69 32.4 30.4 45.6

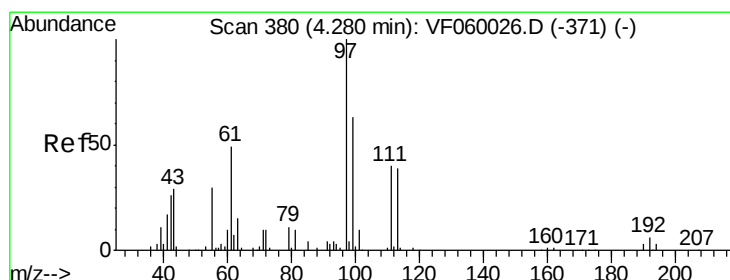
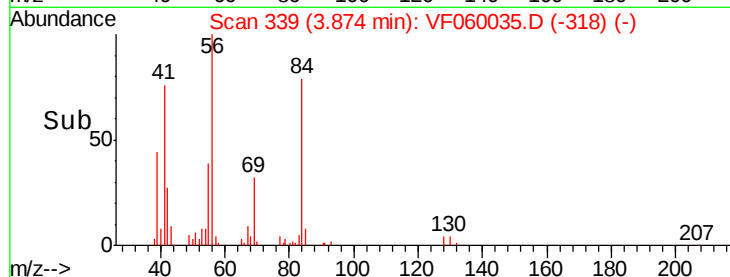
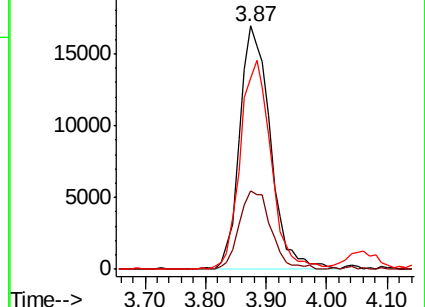
84 78.5 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 22.13 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

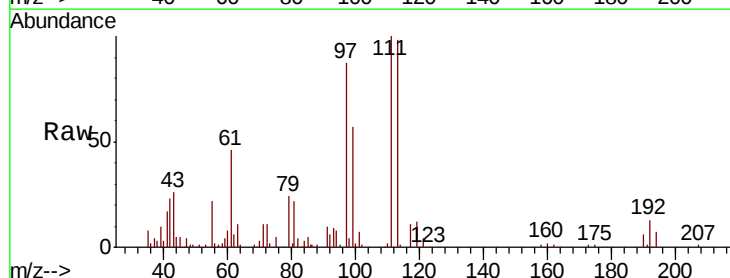
Tgt Ion: 97 Resp: 87853

Ion Ratio Lower Upper

97 100

99 65.7 50.3 75.5

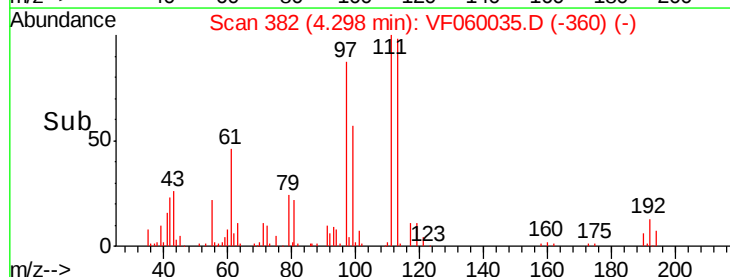
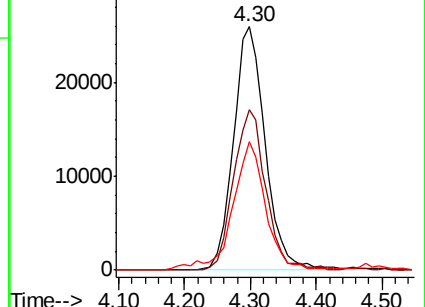
61 52.8 40.3 60.5

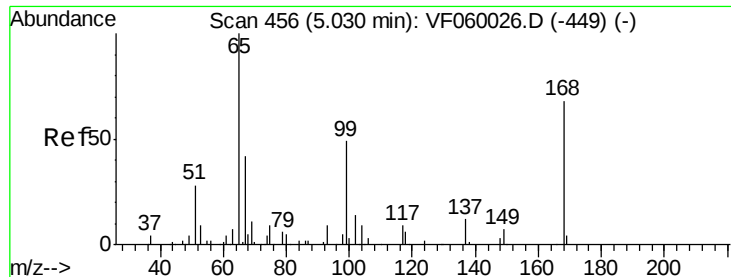


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.34 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

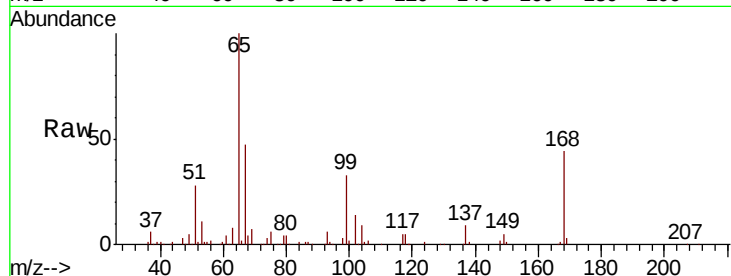
VF0822SBSD01

Tot Ion: 65 Resp: 142810

Ion Ratio Lower Upper

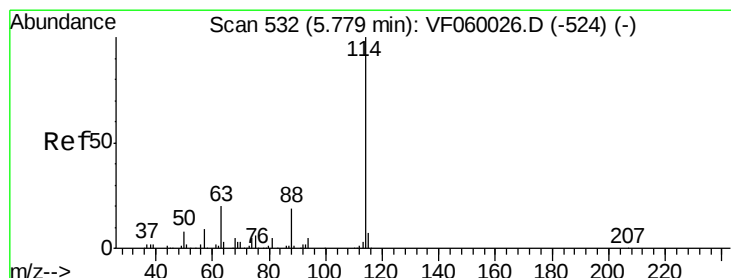
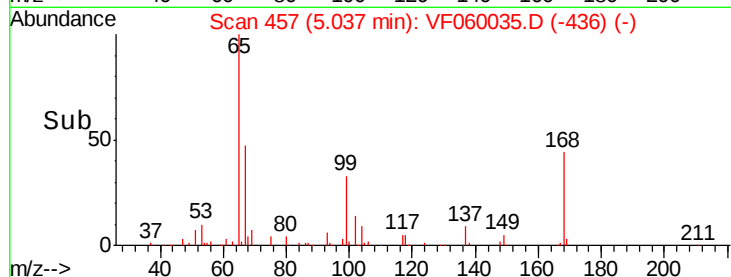
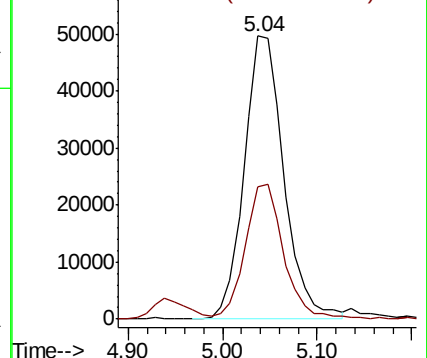
65 100

67 46.6 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

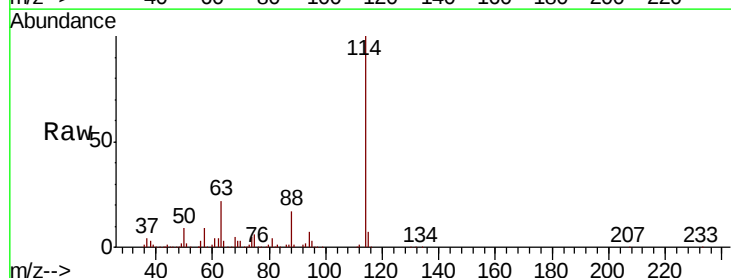
Tgt Ion: 114 Resp: 326510

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.4

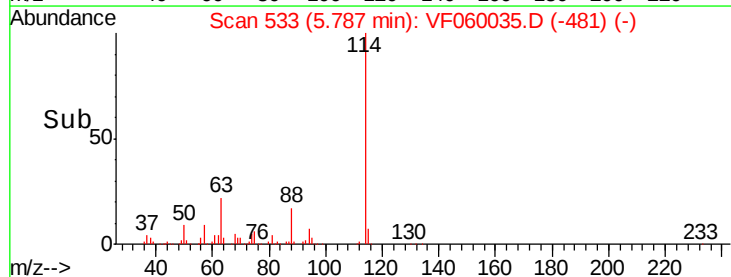
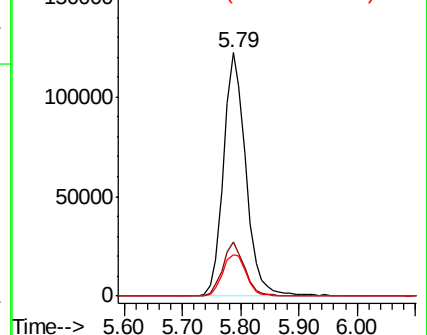
88 17.2 0.0 38.6

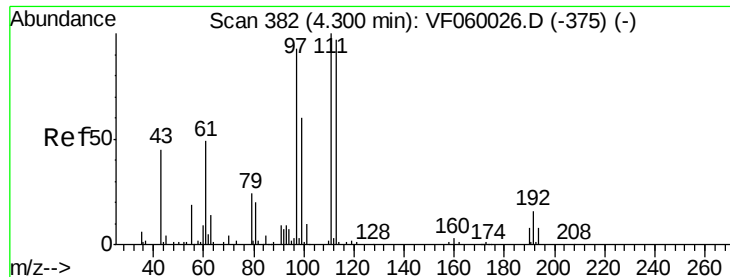


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 52.55 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

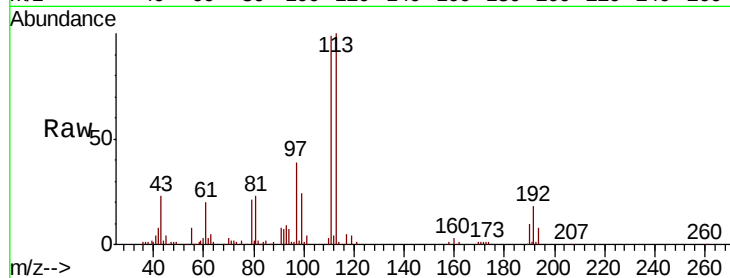
Tot Ion:113 Resp: 134745

Ion Ratio Lower Upper

113 100

111 99.2 82.7 124.1

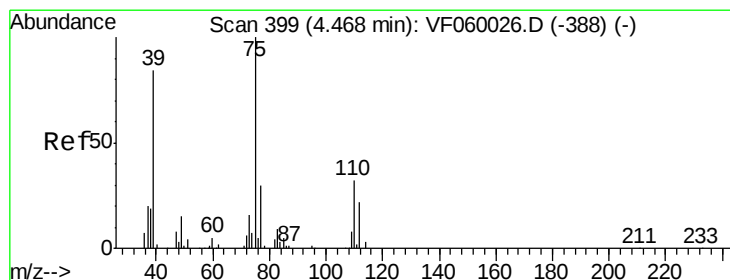
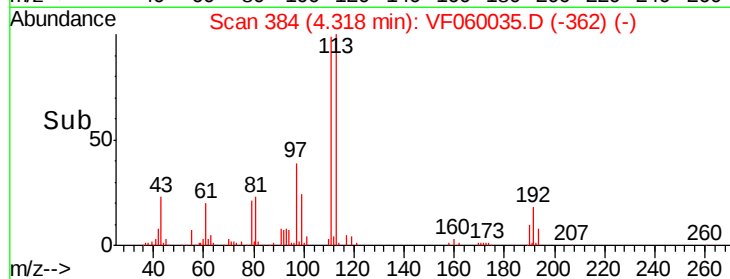
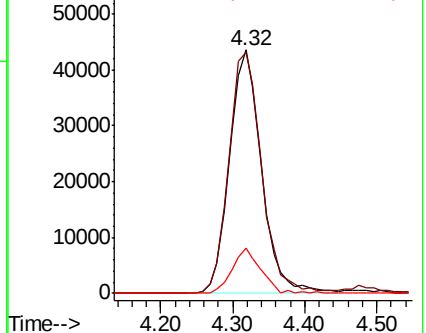
192 18.8 13.0 19.4



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: 23.30 ug/l

RT: 4.48 min Scan# 400

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

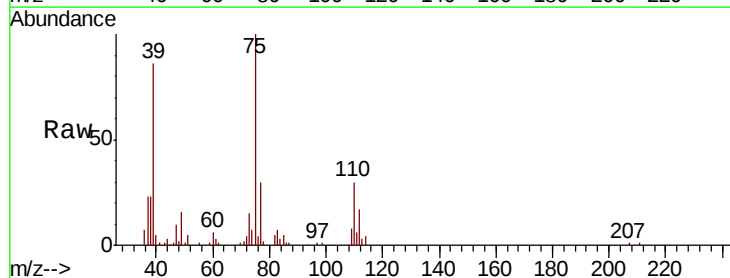
Tgt Ion: 75 Resp: 71494

Ion Ratio Lower Upper

75 100

110 30.2 16.0 47.9

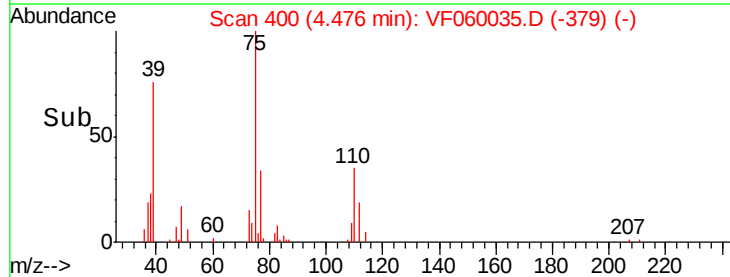
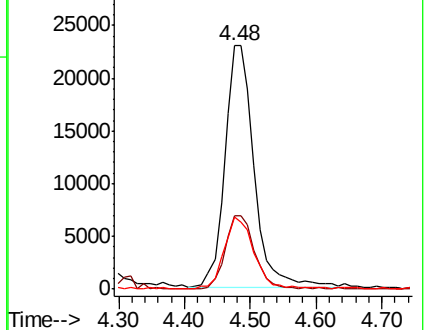
77 29.8 24.1 36.1

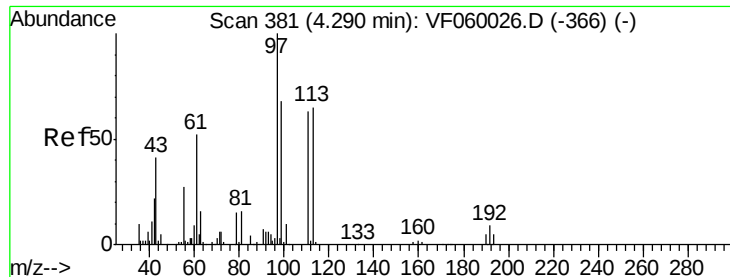


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

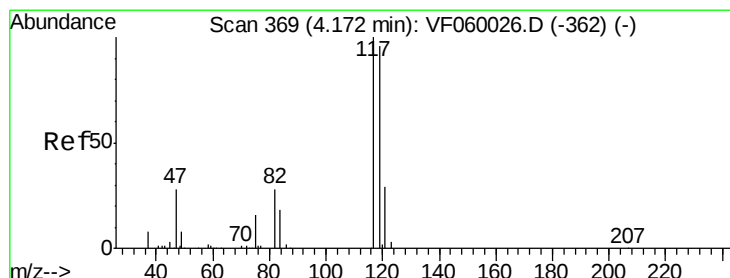
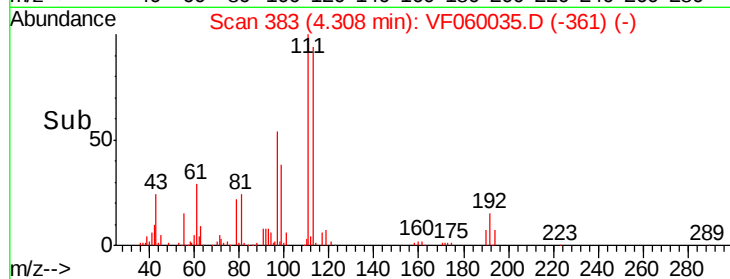
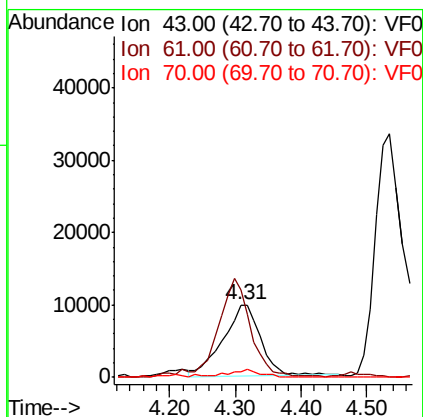
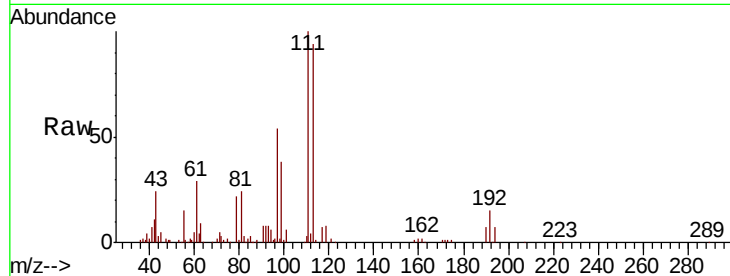




#37
Ethyl Acetate
Concen: 21.25 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

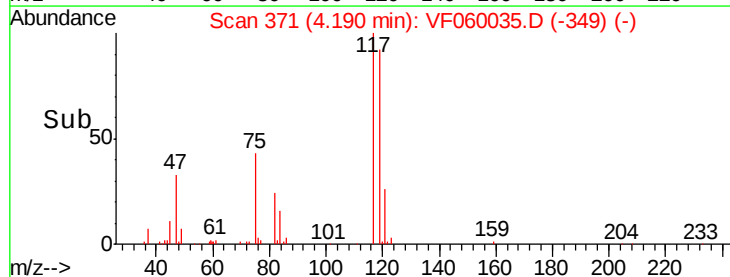
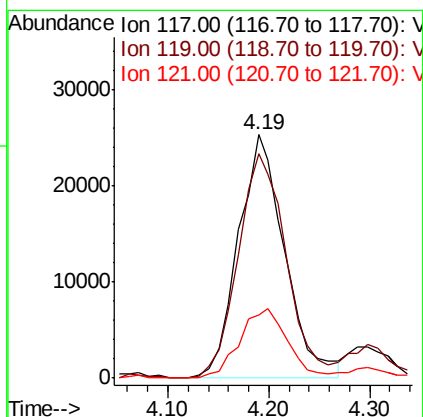
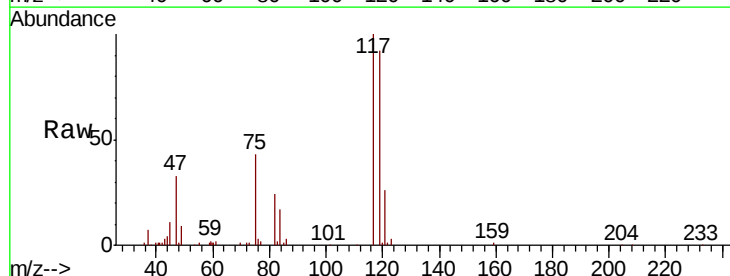
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

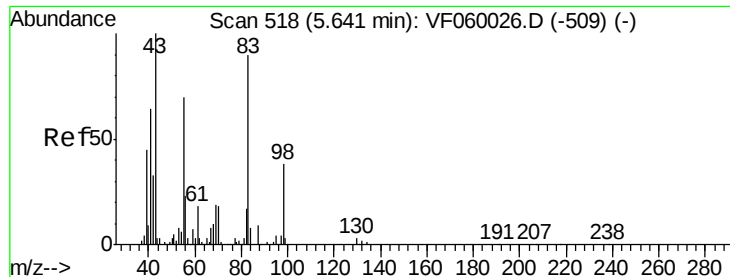
Tot Ion: 43 Resp: 38995
Ion Ratio Lower Upper
43 100
61 120.2 101.5 152.3
70 7.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 22.87 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion: 117 Resp: 81252
Ion Ratio Lower Upper
117 100
119 92.0 76.5 114.7
121 26.1 23.0 34.6

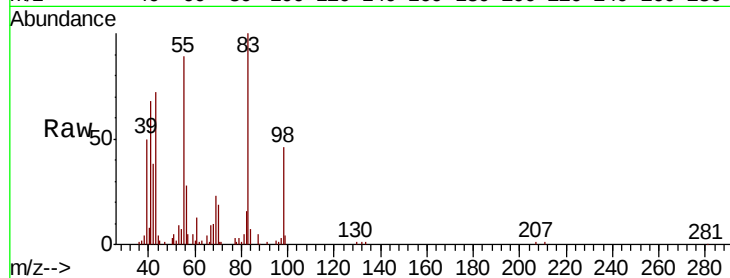




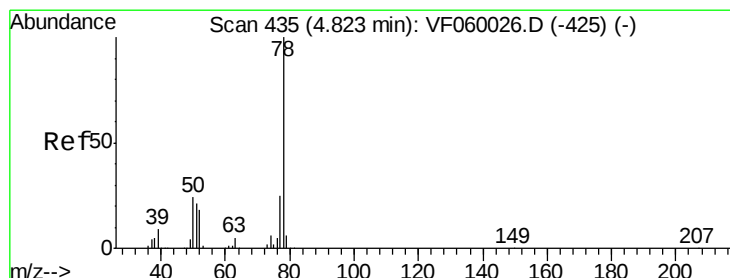
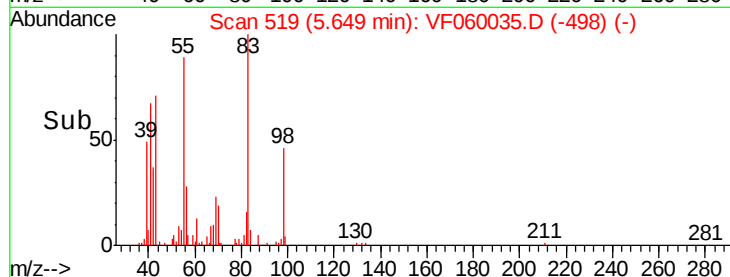
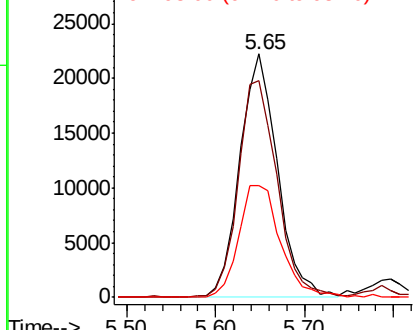
#39
Methvlcvclohexane
Concen: 22.65 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion: 83 Resp: 65156
Ion Ratio Lower Upper
83 100
55 88.9 62.7 94.1
98 45.8 33.8 50.8

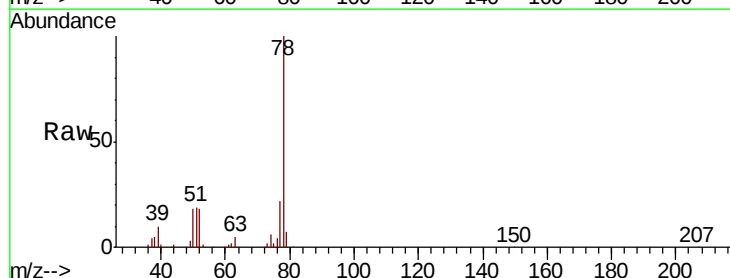


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

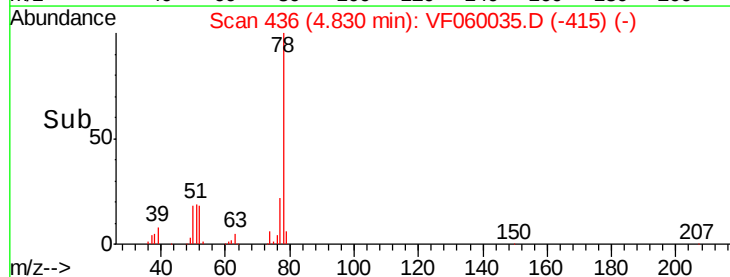
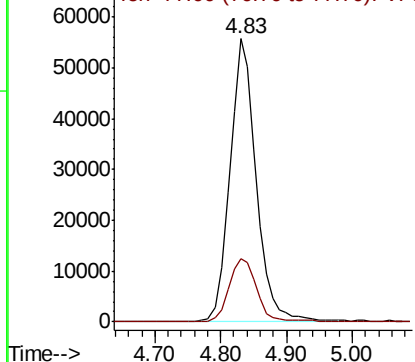


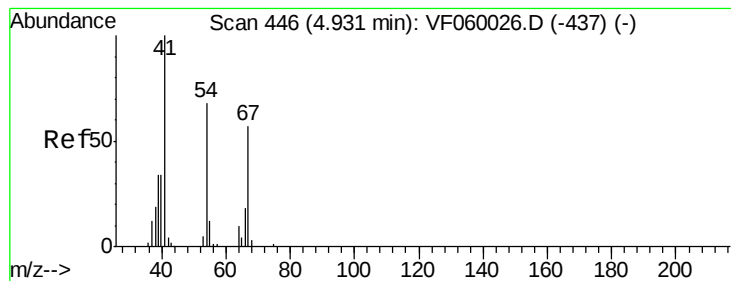
#40
Benzene
Concen: 23.25 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion: 78 Resp: 155811
Ion Ratio Lower Upper
78 100
77 22.2 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.03 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 41 Resp: 18589

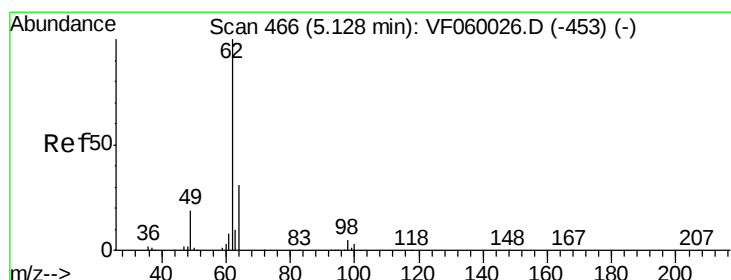
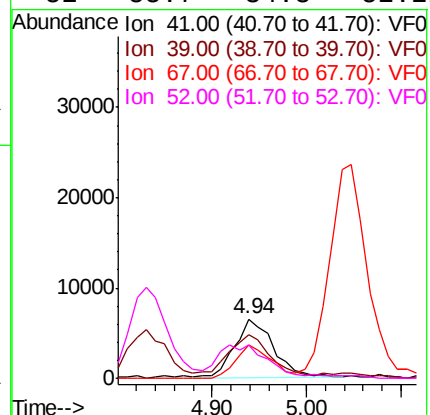
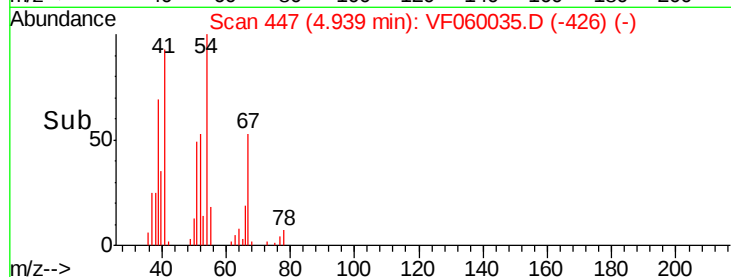
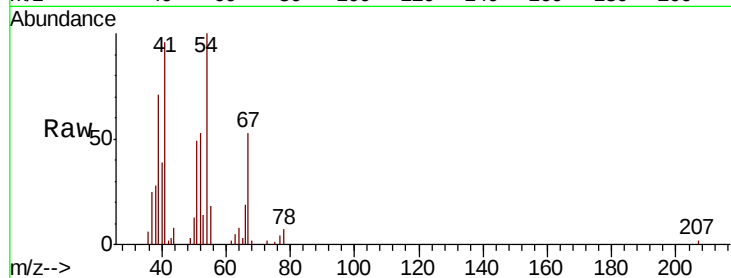
Ion Ratio Lower Upper

41 100

39 73.9 52.9 79.3

67 55.8 45.3 67.9

52 55.7 34.8 52.2#



#42

1,2-Dichloroethane

Concen: 20.94 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF060035.D

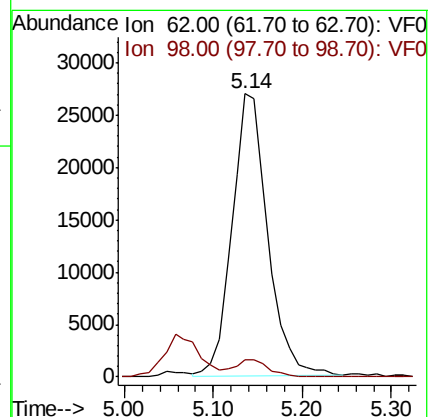
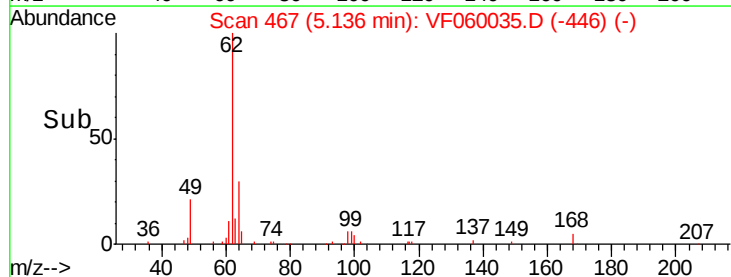
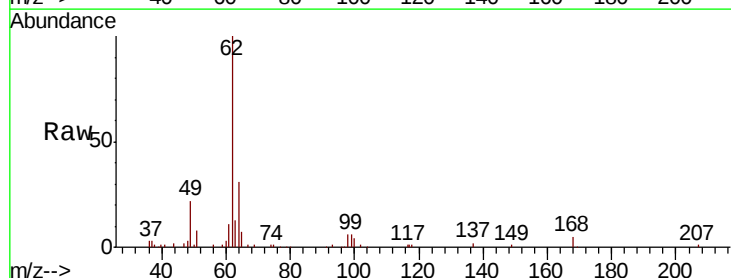
Acq: 22 Aug 2018 12:58

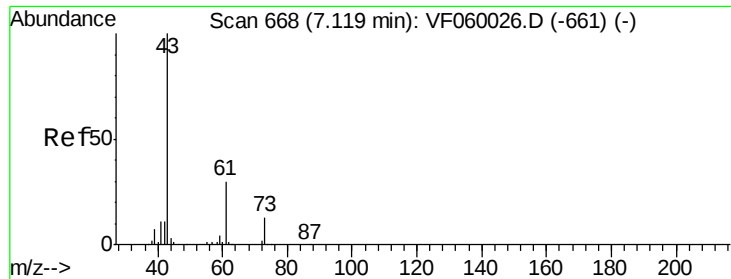
Tgt Ion: 62 Resp: 75254

Ion Ratio Lower Upper

62 100

98 6.2 0.0 11.2



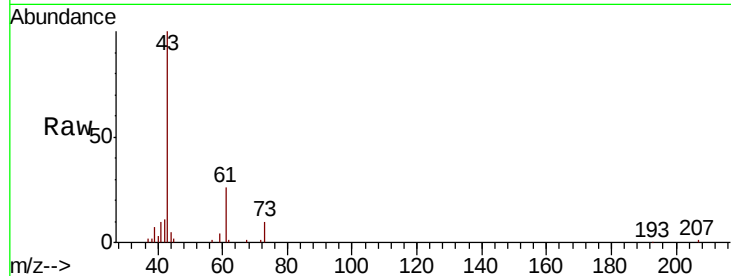


#43

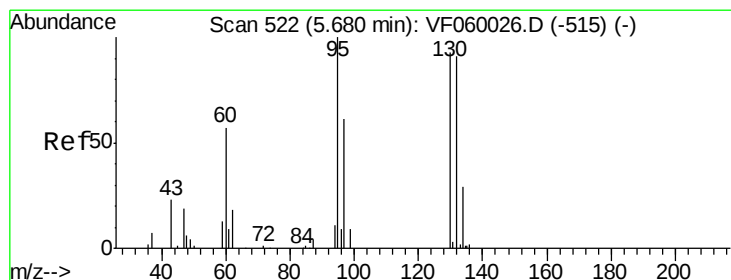
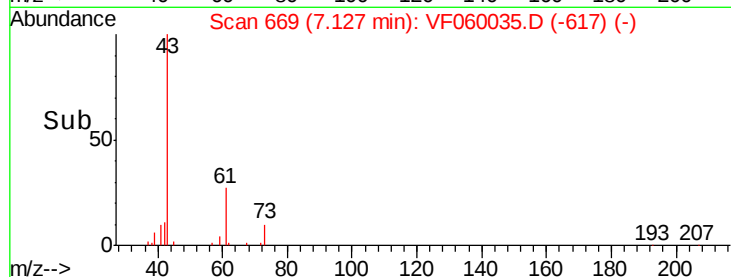
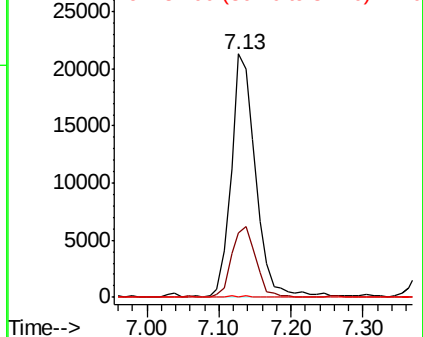
Isopropyl Acetate
 Concen: 21.84 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tot Ion: 43 Resp: 50433
 Ion Ratio Lower Upper
 43 100
 61 26.4 23.8 35.6
 87 0.0 0.2 0.4#



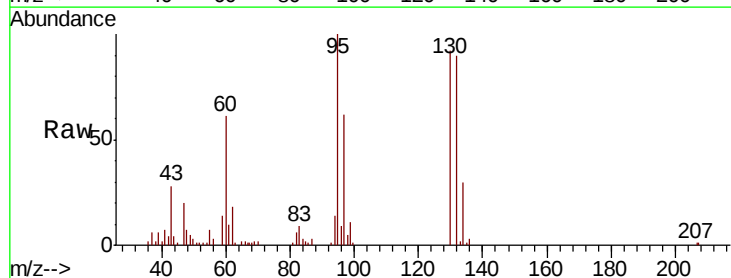
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



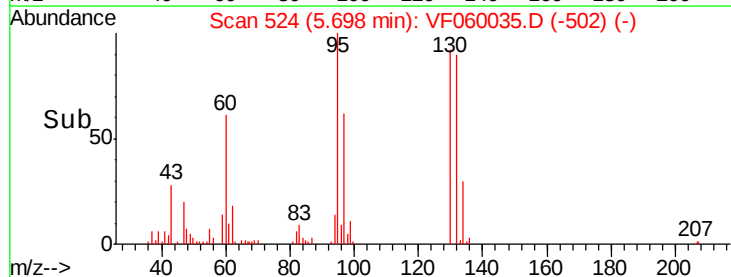
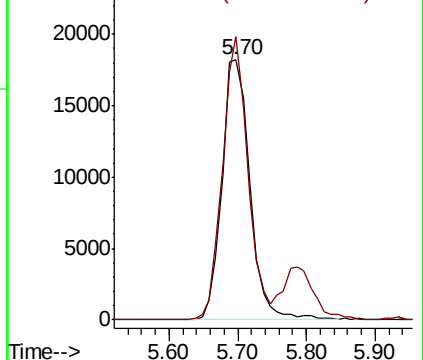
#44

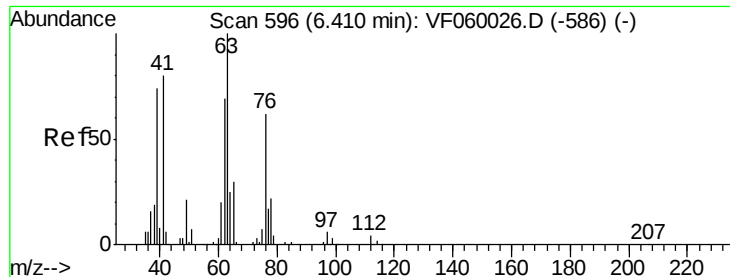
Trichloroethene
 Concen: 23.22 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion: 130 Resp: 51460
 Ion Ratio Lower Upper
 130 100
 95 108.9 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.97 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

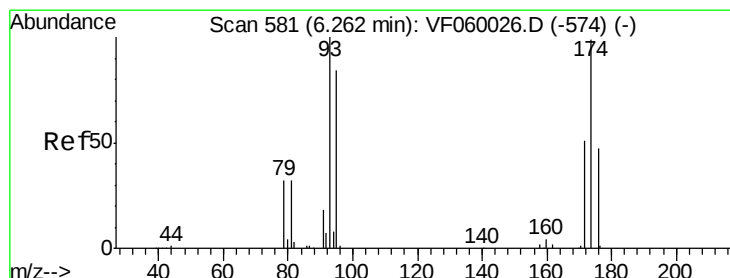
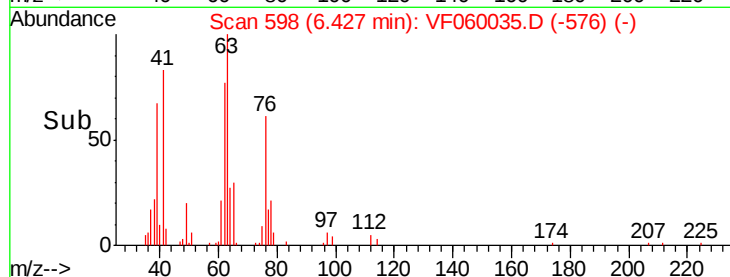
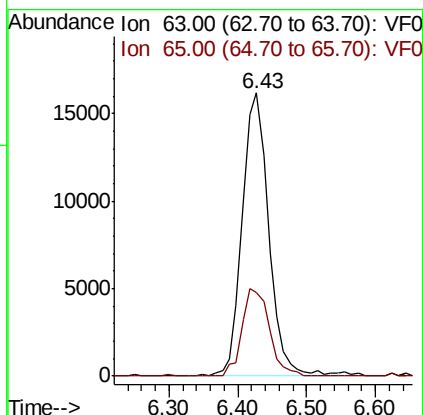
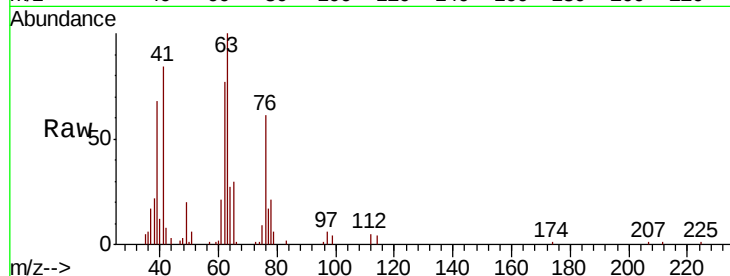
VF0822SBS01

Tot Ion: 63 Resp: 43548

Ion Ratio Lower Upper

63 100

65 29.8 23.8 35.6



#46

Dibromomethane

Concen: 22.70 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

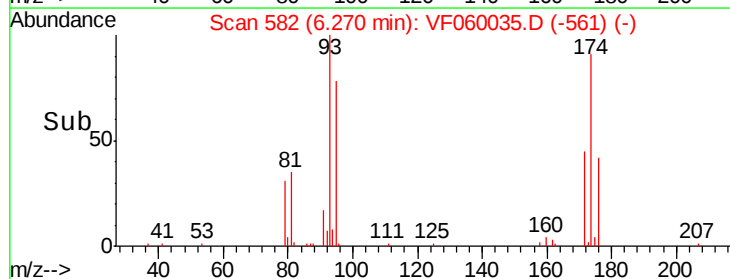
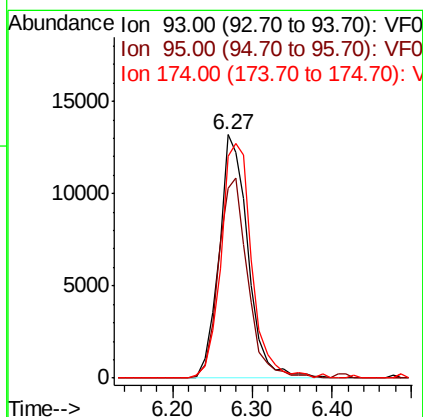
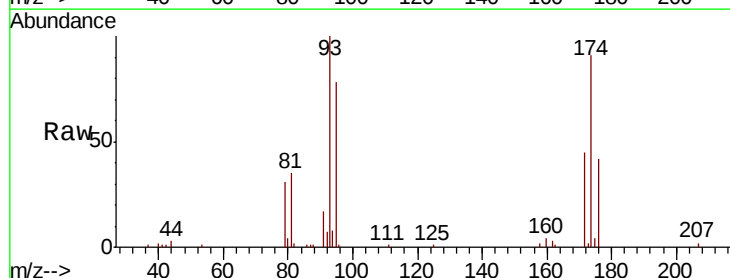
Tgt Ion: 93 Resp: 33677

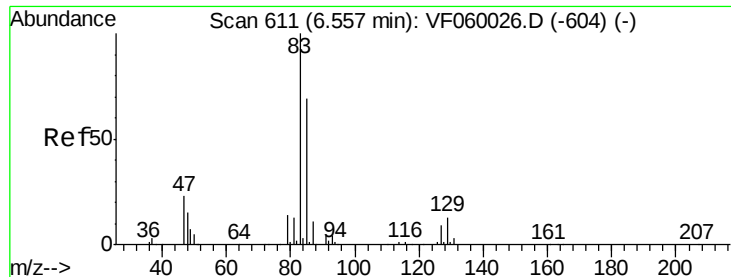
Ion Ratio Lower Upper

93 100

95 78.1 67.1 100.7

174 91.1 79.0 118.4





#47

Bromodichloromethane

Concen: 21.76 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

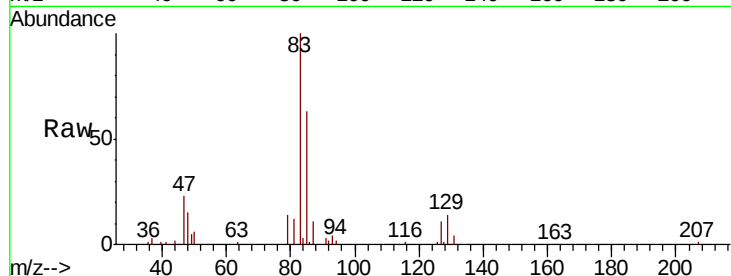
Tot Ion: 83 Resp: 77964

Ion Ratio Lower Upper

83 100

85 62.7 55.2 82.8

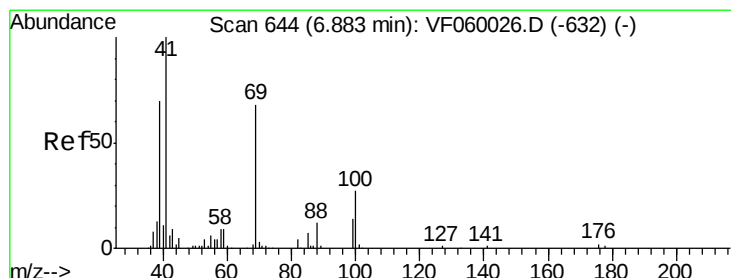
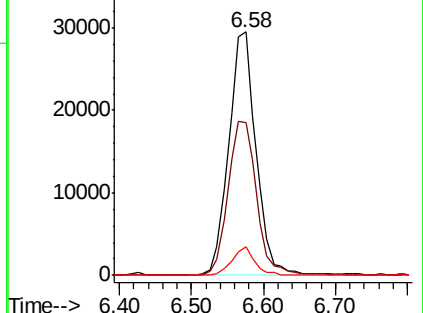
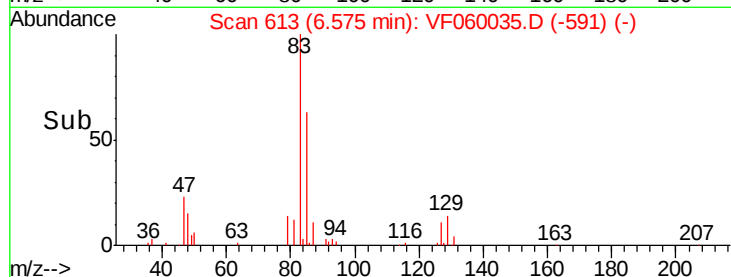
127 11.6 7.3 10.9#



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: 21.63 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

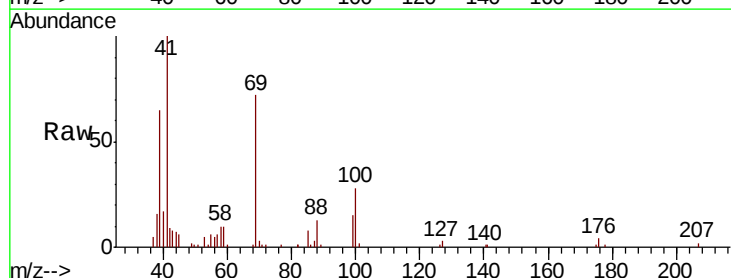
Tgt Ion: 41 Resp: 33065

Ion Ratio Lower Upper

41 100

69 72.1 54.6 81.8

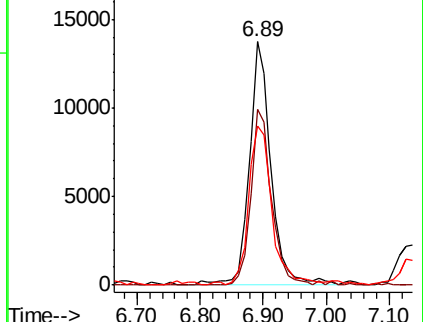
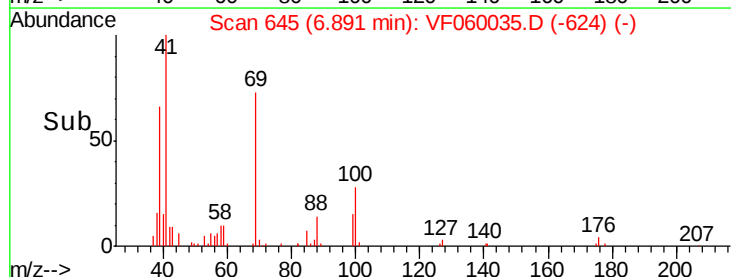
39 65.2 56.5 84.7

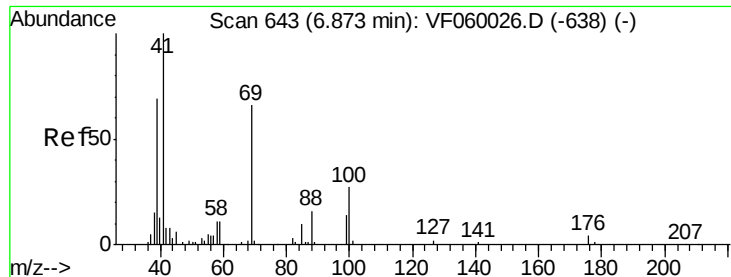


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 477.73 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.03 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

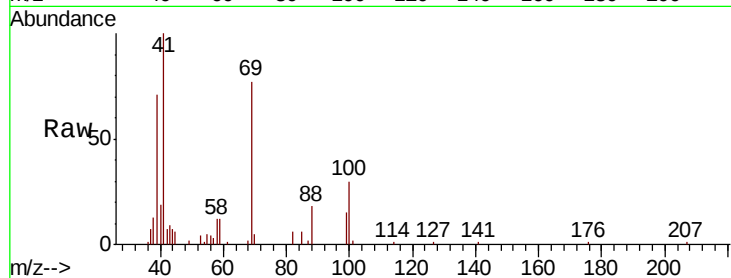
MSVOA_F

ClientSampleId :

VF0822SBS01

Tot Ion: 88 Resp: 7009

Ion	Ratio	Lower	Upper
88	100		
43	51.2	46.5	69.7
58	68.6	54.8	82.2

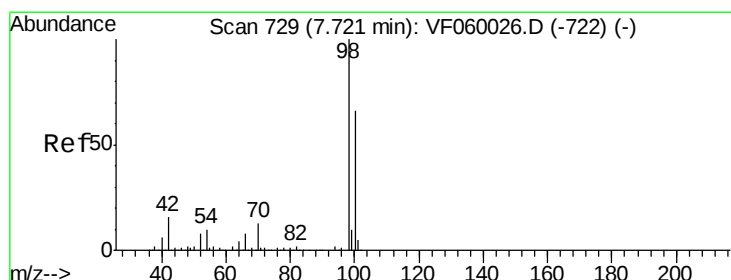
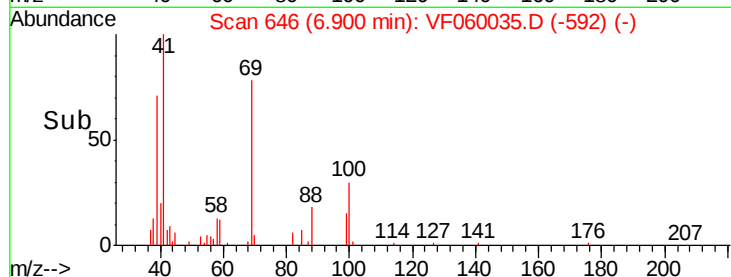
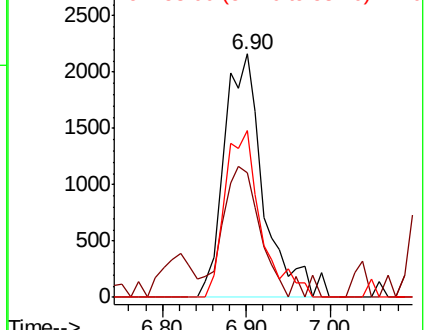


Abundance

Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.18 ug/l

RT: 7.73 min Scan# 730

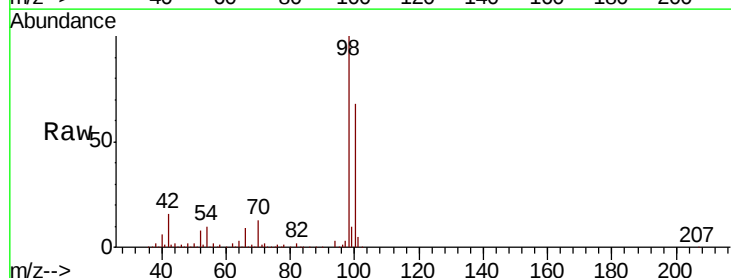
Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Tgt Ion: 98 Resp: 372635

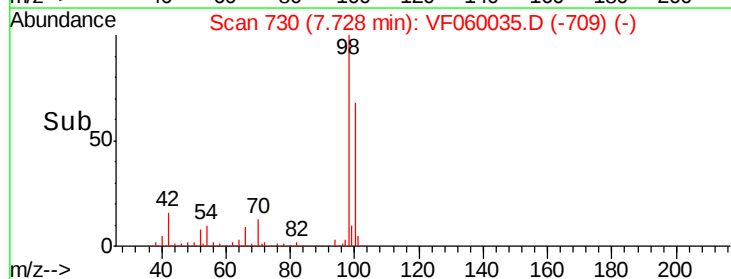
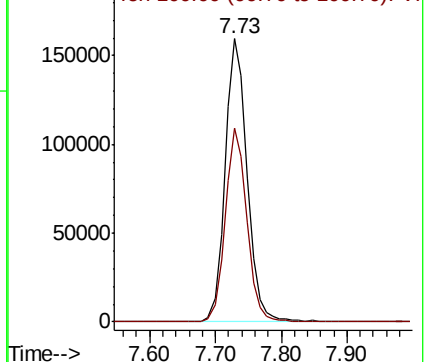
Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.2	79.8

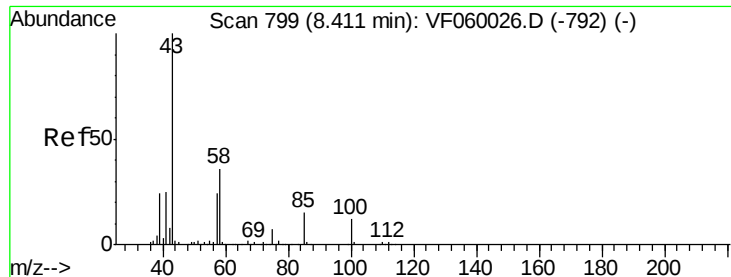


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 112.95 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

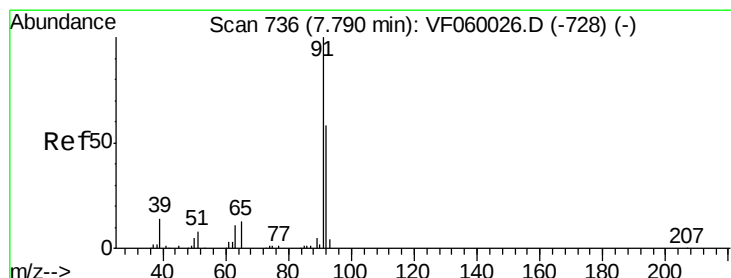
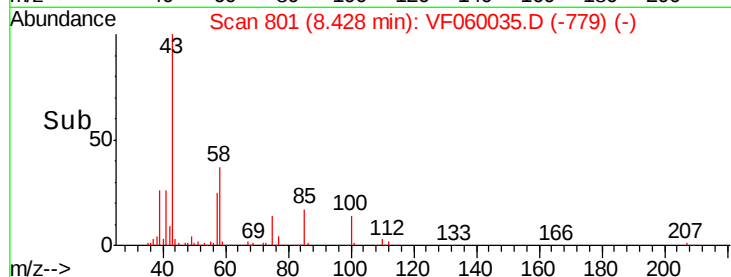
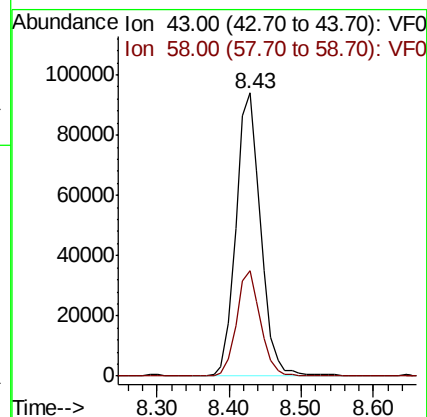
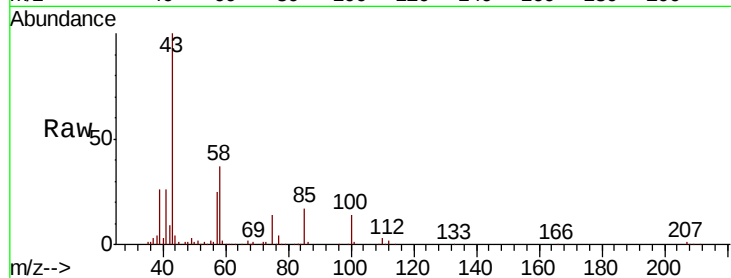
VF0822SBSD01

Tot Ion: 43 Resp: 225272

Ion Ratio Lower Upper

43 100

58 37.2 28.6 42.8



#52

Toluene

Concen: 23.79 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060035.D

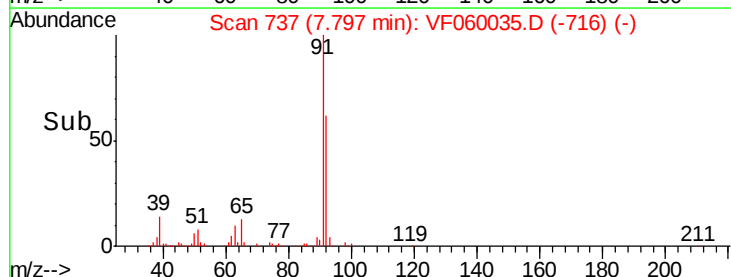
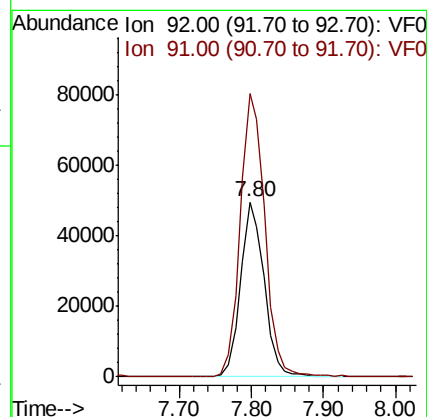
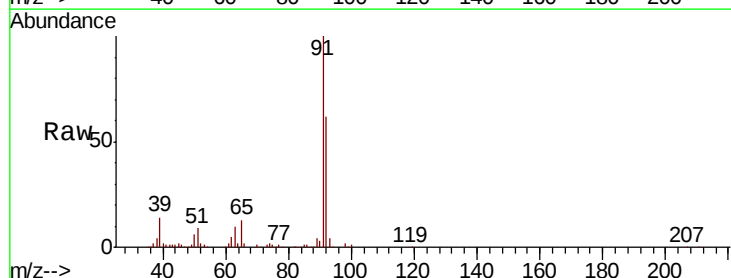
Acq: 22 Aug 2018 12:58

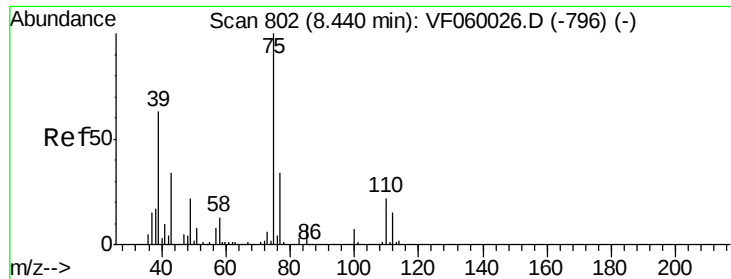
Tgt Ion: 92 Resp: 113663

Ion Ratio Lower Upper

92 100

91 161.9 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 22.97 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

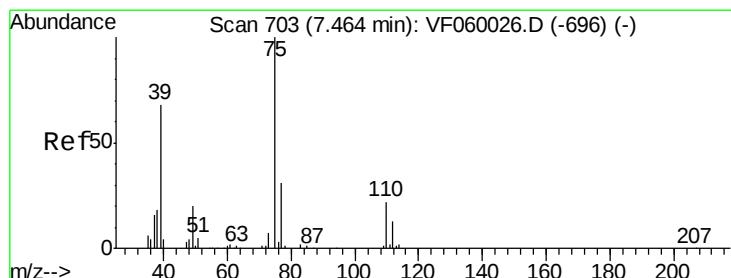
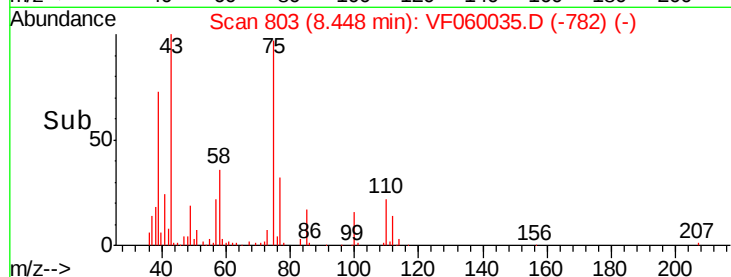
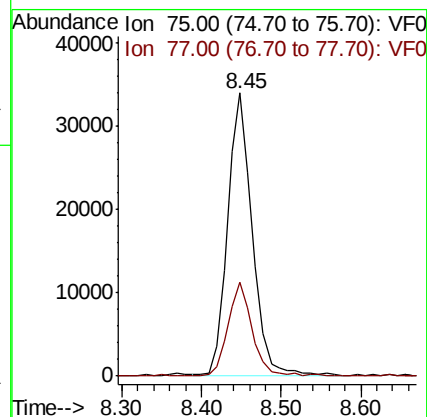
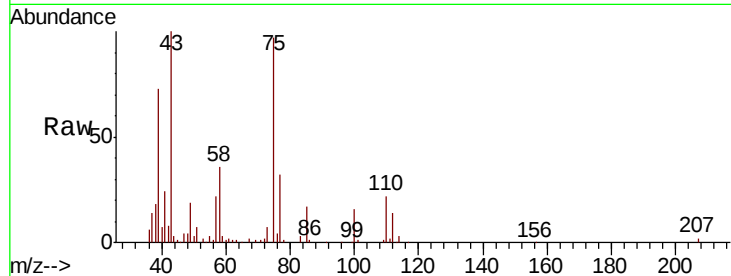
VF0822SBS01

Tot Ion: 75 Resp: 74643

Ion Ratio Lower Upper

75 100

77 33.2 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 23.36 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

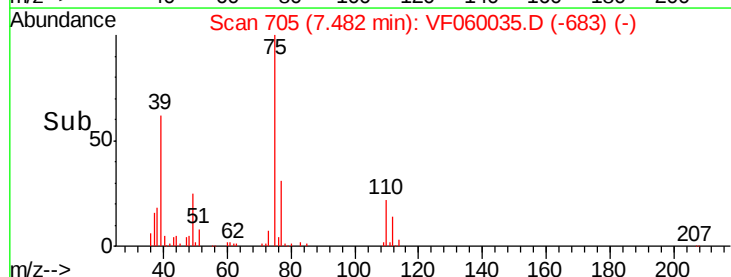
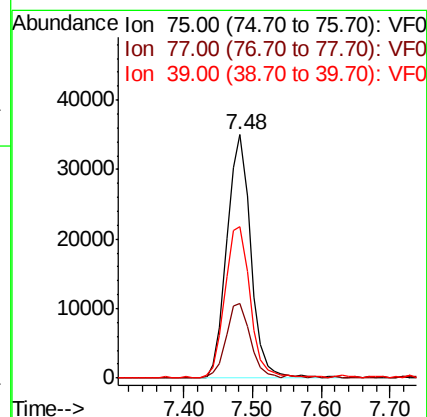
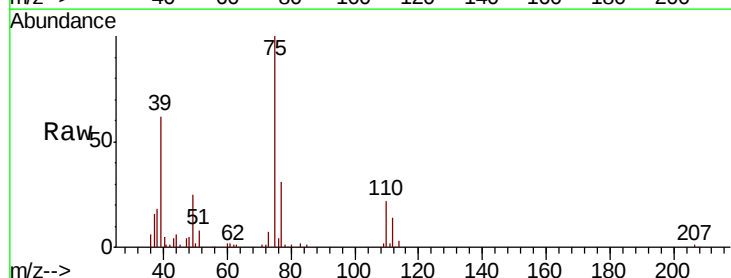
Tgt Ion: 75 Resp: 84723

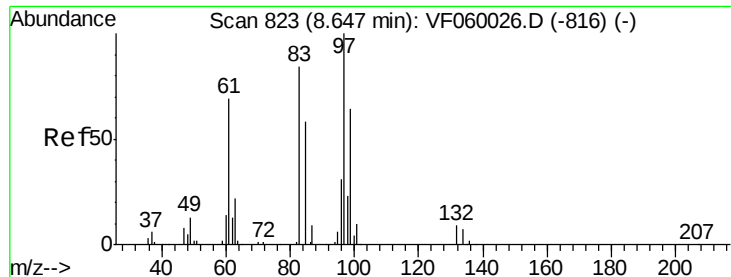
Ion Ratio Lower Upper

75 100

77 30.5 24.6 37.0

39 62.5 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 22.78 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

Tot Ion: 97 Resp: 41198

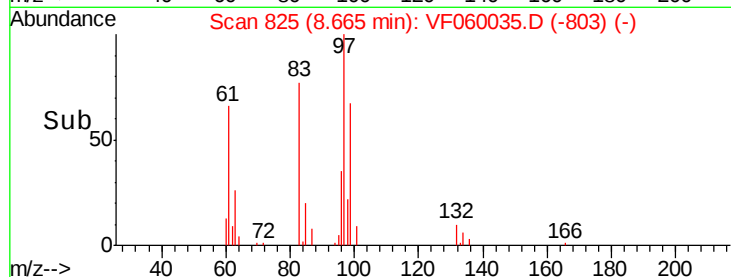
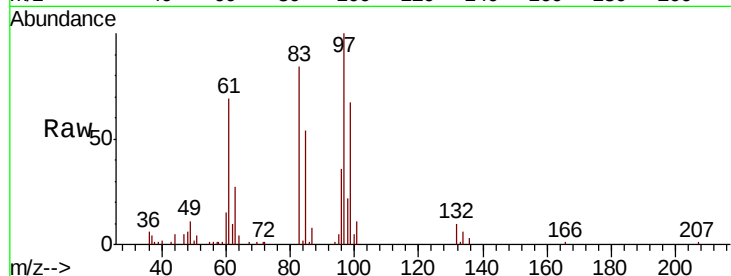
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.4	101.2
85	53.7	46.2	69.2
99	67.4	51.1	76.7

97 100

83 83.5 67.4 101.2

85 53.7 46.2 69.2

99 67.4 51.1 76.7

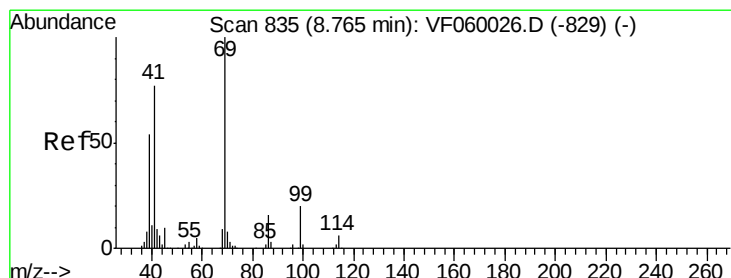
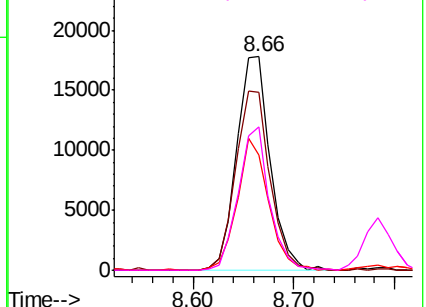


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.40 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

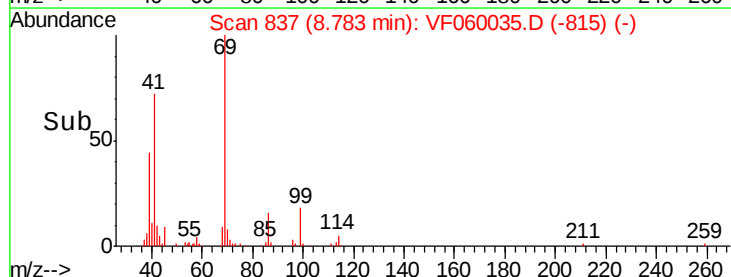
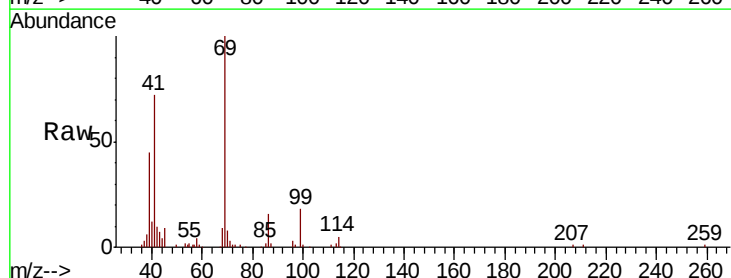
Tgt Ion: 69 Resp: 49026

Ion	Ratio	Lower	Upper
69	100		
41	72.4	61.6	92.4
39	45.3	43.9	65.9

69 100

41 72.4 61.6 92.4

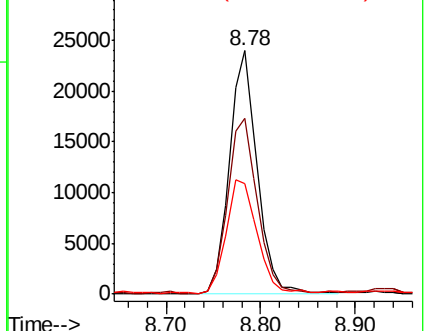
39 45.3 43.9 65.9

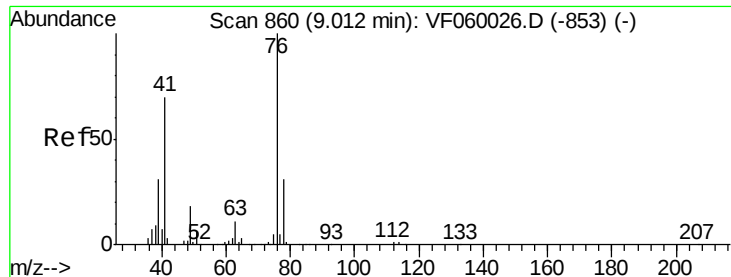


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.02 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

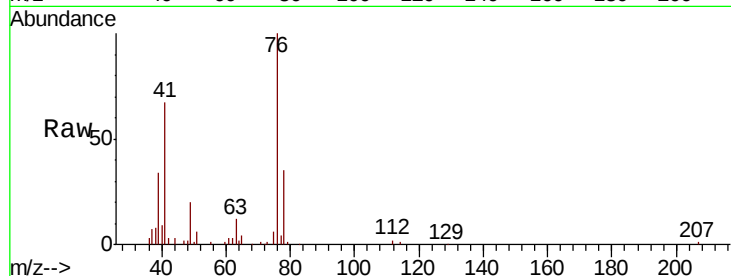
VF0822SBSD01

Tot Ion: 76 Resp: 69988

Ion Ratio Lower Upper

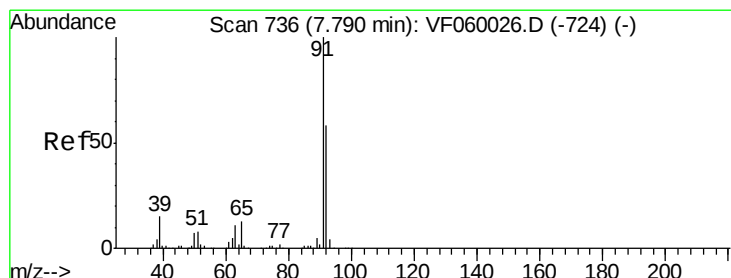
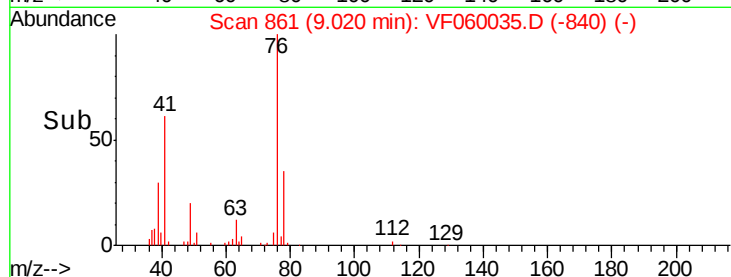
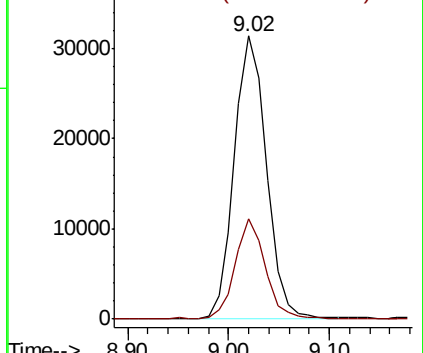
76 100

78 35.4 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 109.15 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060035.D

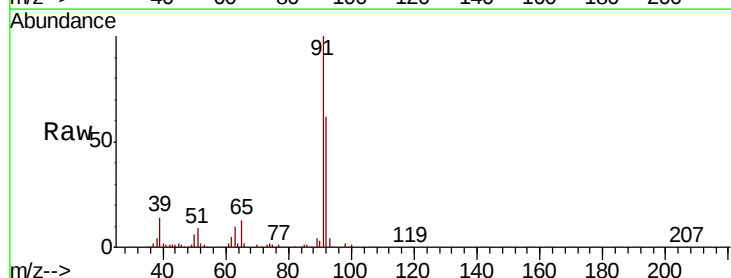
Acq: 22 Aug 2018 12:58

Tgt Ion: 63 Resp: 18966

Ion Ratio Lower Upper

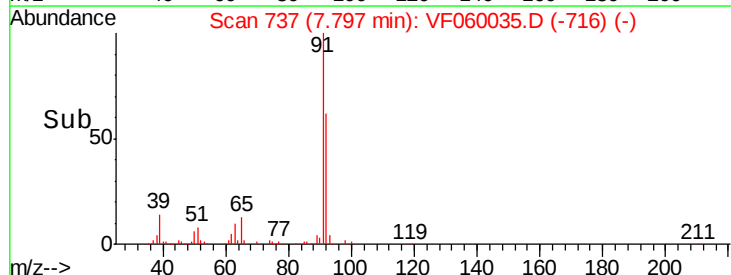
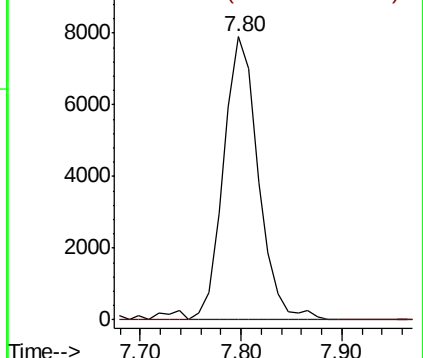
63 100

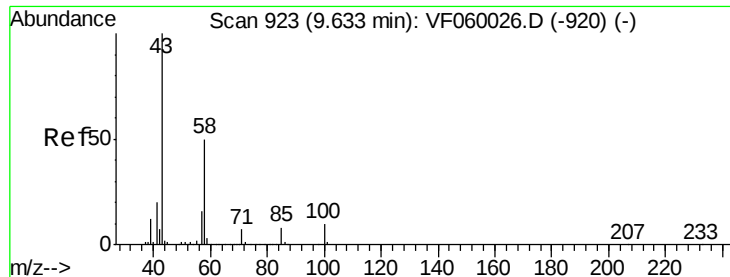
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

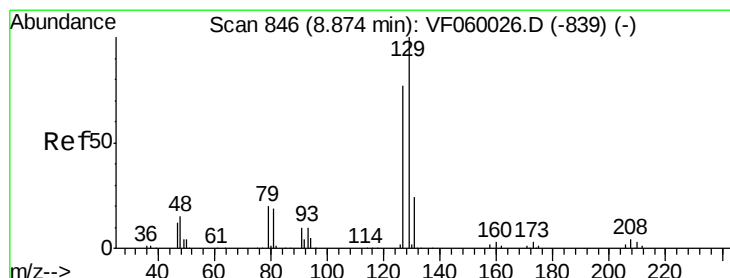
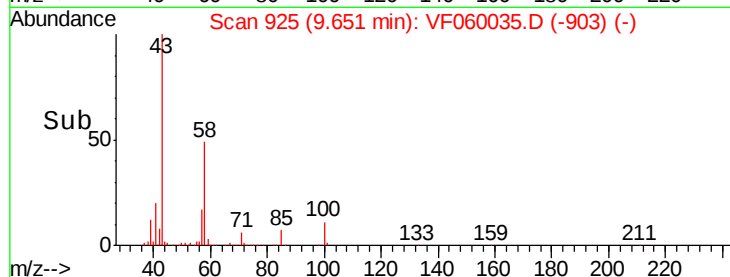
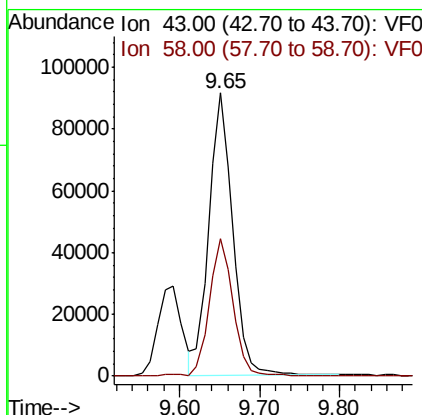
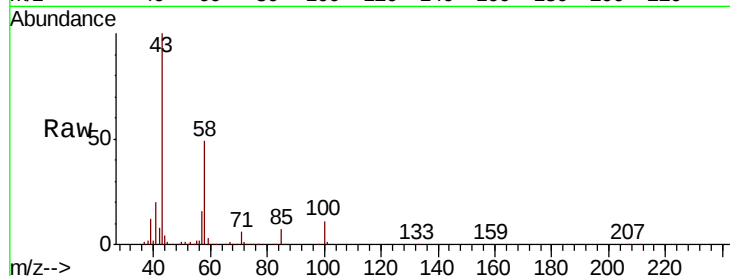




#59
2-Hexanone
Concen: 119.17 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

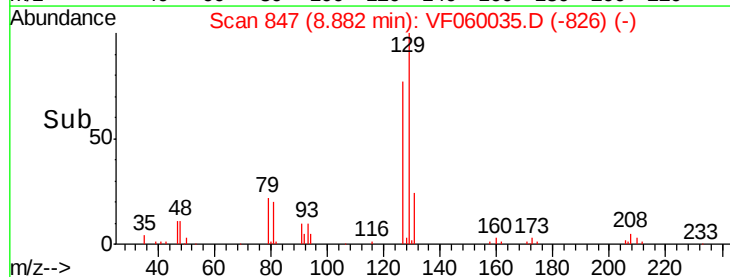
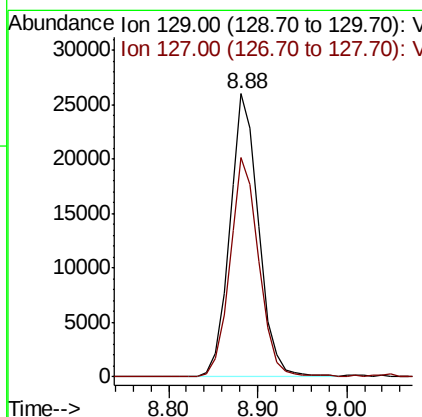
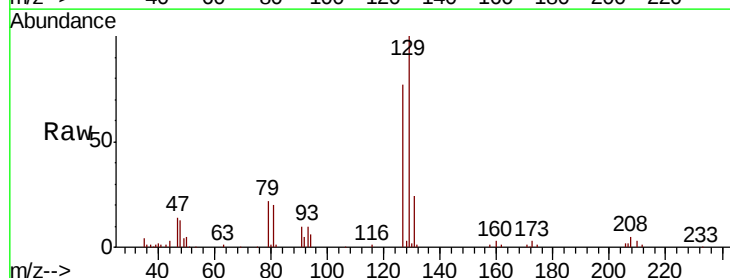
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

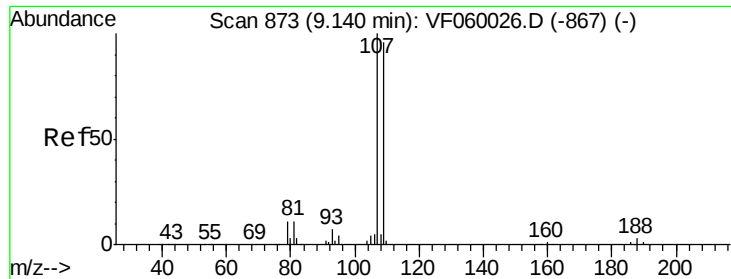
Tot Ion: 43 Resp: 192377
Ion Ratio Lower Upper
43 100
58 48.7 23.4 70.2



#60
Dibromochloromethane
Concen: 22.07 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion:129 Resp: 58910
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

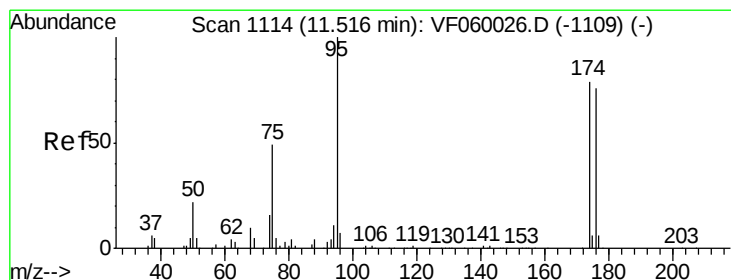
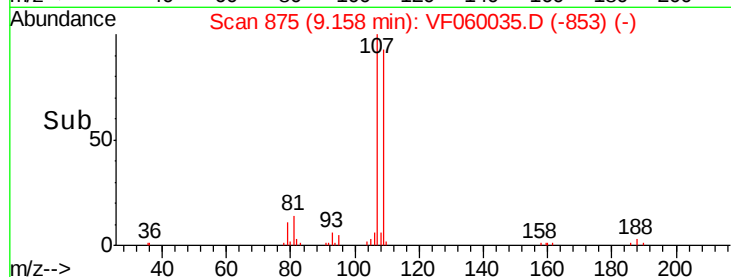
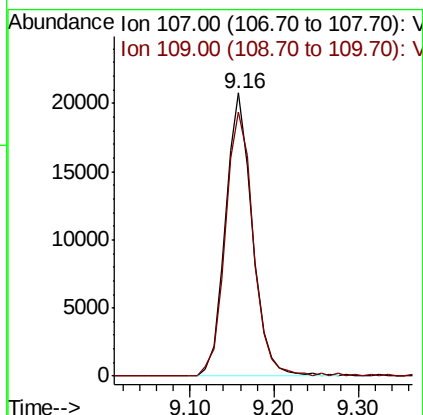
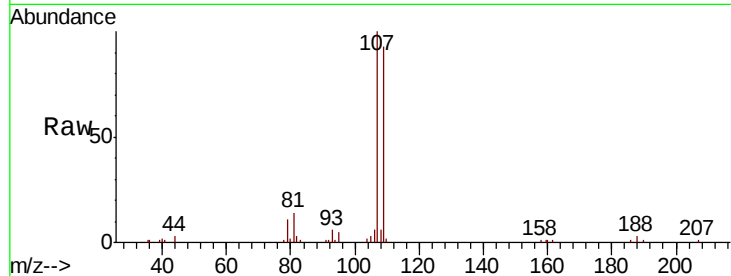




#61
 1,2-Dibromoethane
 Concen: 21.69 ug/l
 RT: 9.16 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

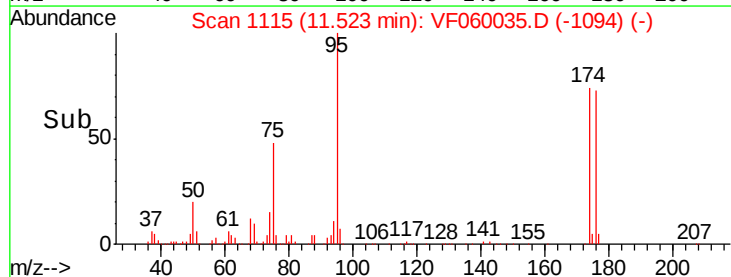
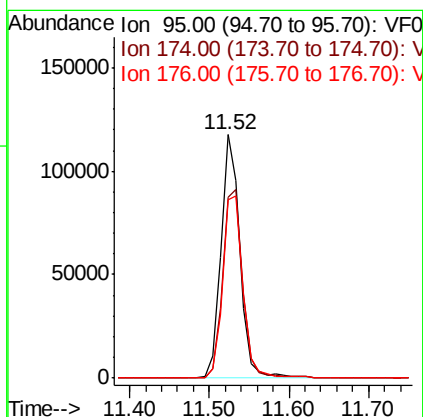
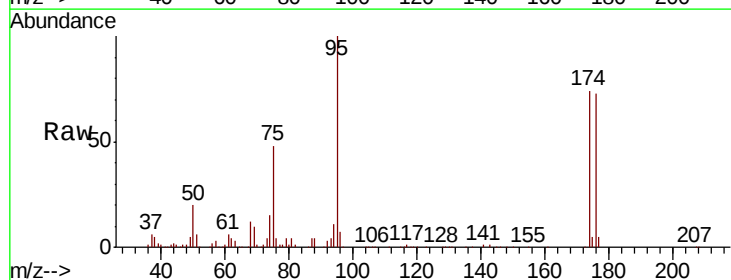
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

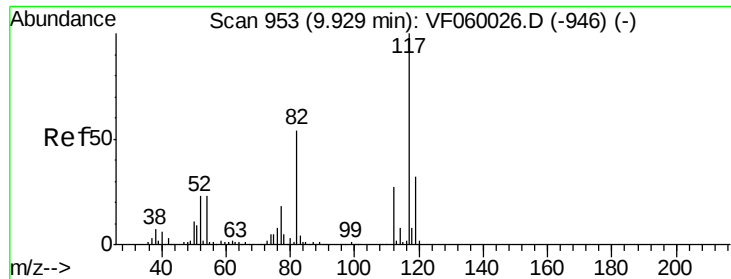
Tot Ion:107 Resp: 46063
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 51.44 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion: 95 Resp: 198131
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 158.4
 176 73.1 0.0 153.0

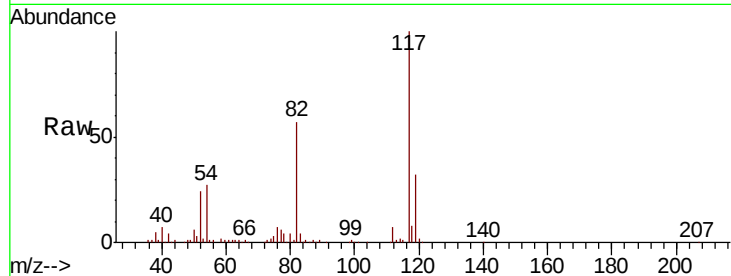




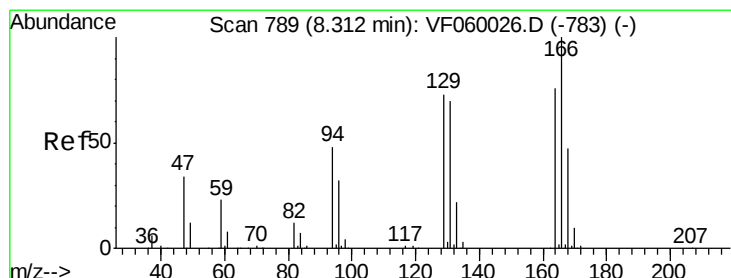
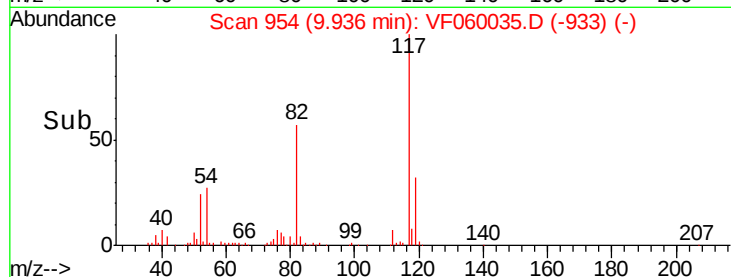
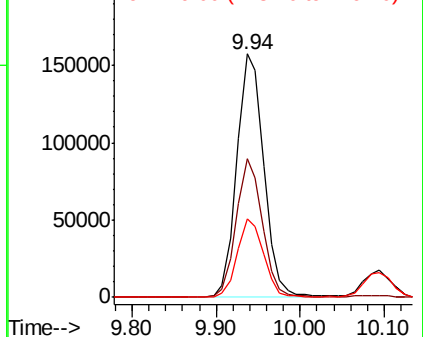
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

Tot Ion:117 Resp: 352759
Ion Ratio Lower Upper
117 100
82 57.1 43.6 65.4
119 32.4 25.6 38.4

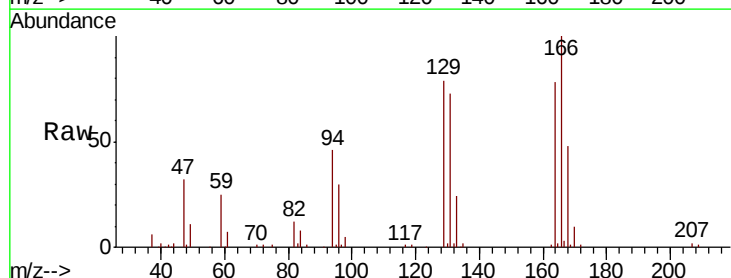


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

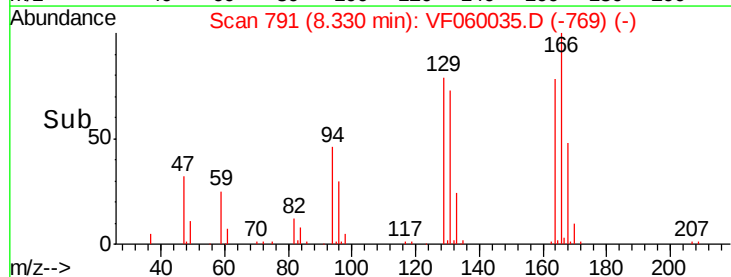
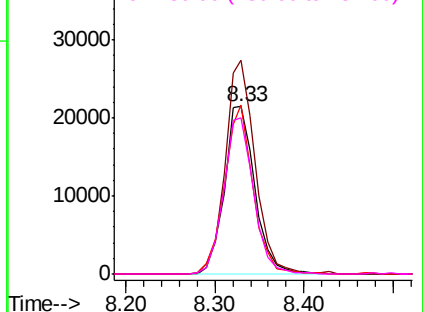


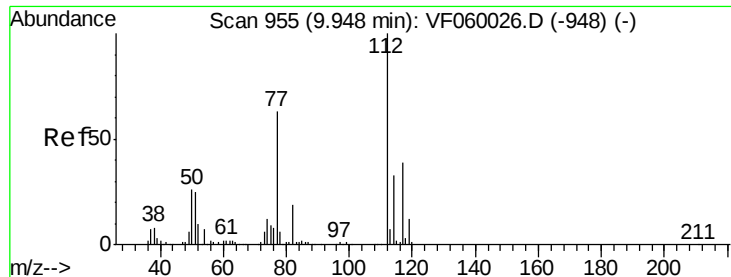
#64
Tetrachloroethene
Concen: 21.71 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion:164 Resp: 51585
Ion Ratio Lower Upper
164 100
166 127.8 104.7 157.1
129 100.9 77.0 115.4
131 93.5 72.9 109.3



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: 22.22 ug/l

RT: 9.97 min Scan# 957

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

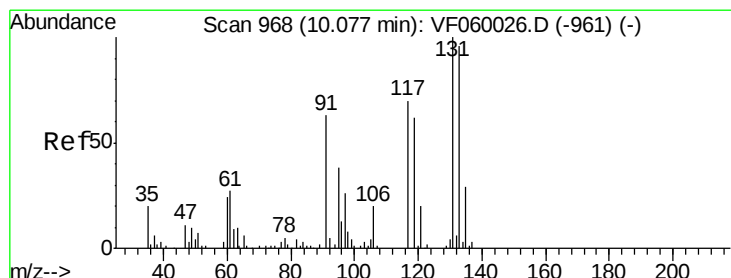
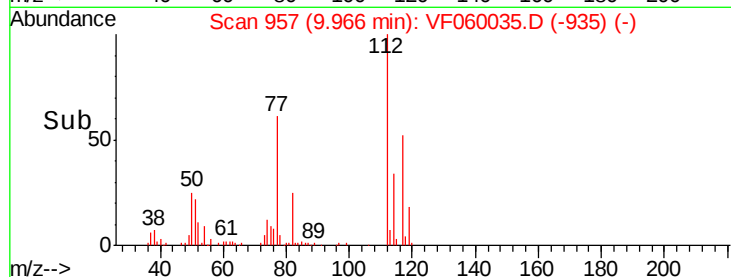
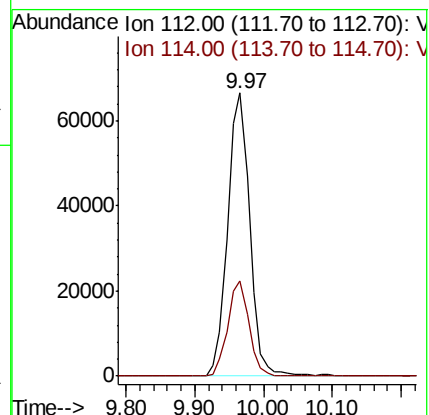
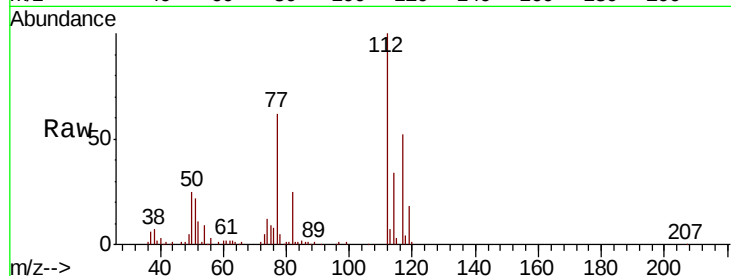
VF0822SBS01

Tot Ion:112 Resp: 147996

Ion Ratio Lower Upper

112 100

114 33.8 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

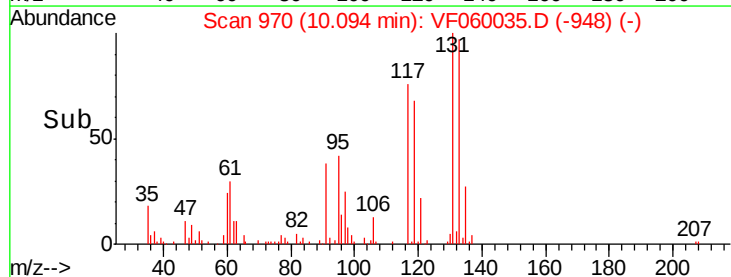
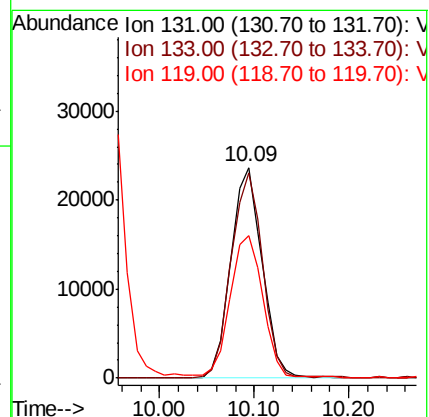
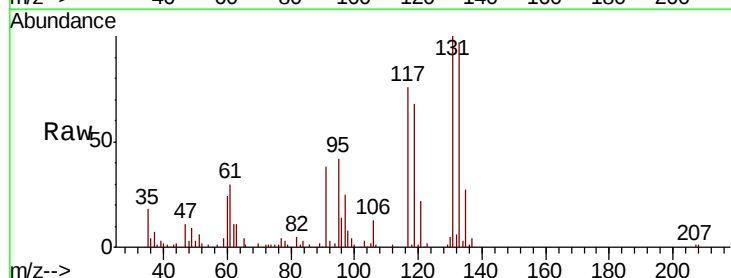
Tgt Ion:131 Resp: 54177

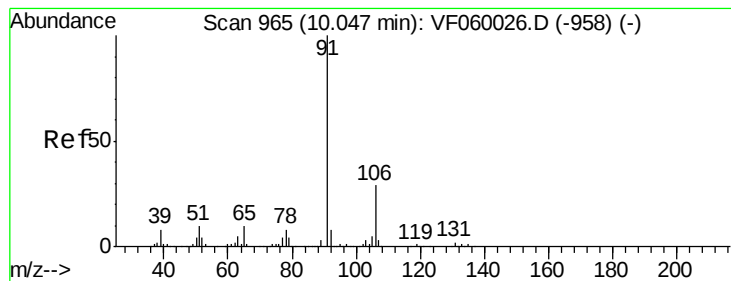
Ion Ratio Lower Upper

131 100

133 97.1 48.2 144.6

119 67.7 31.4 94.2





#67

Ethyl Benzene

Concen: 22.52 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

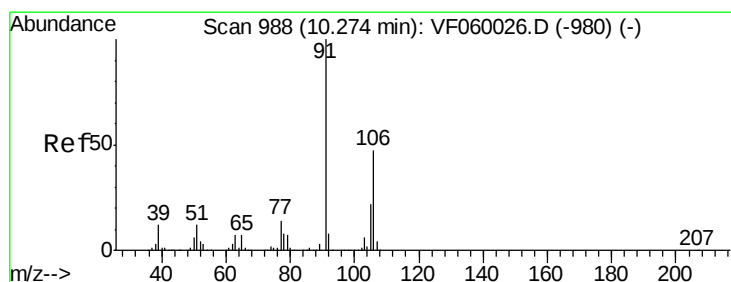
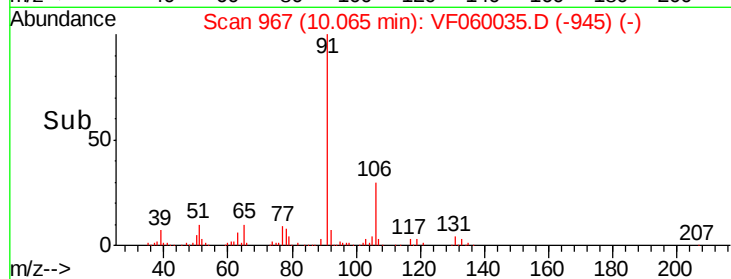
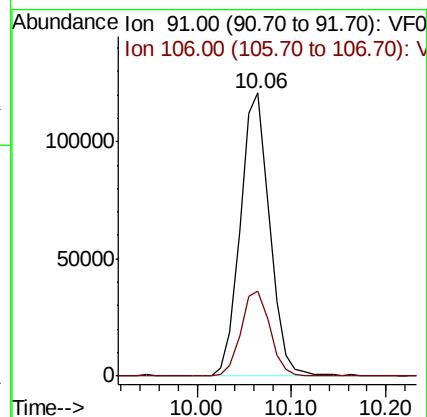
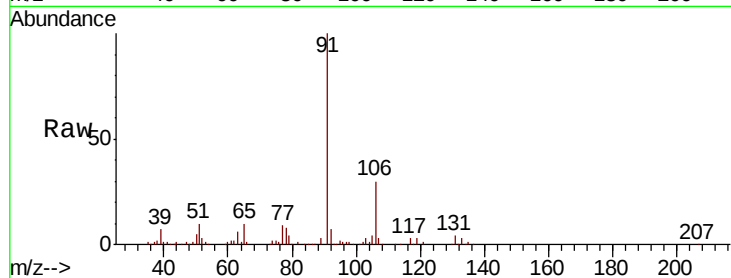
VF0822SBS01

Tot Ion: 91 Resp: 258789

Ion Ratio Lower Upper

91 100

106 30.0 23.6 35.4



#68

m/p-Xylenes

Concen: 46.50 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF060035.D

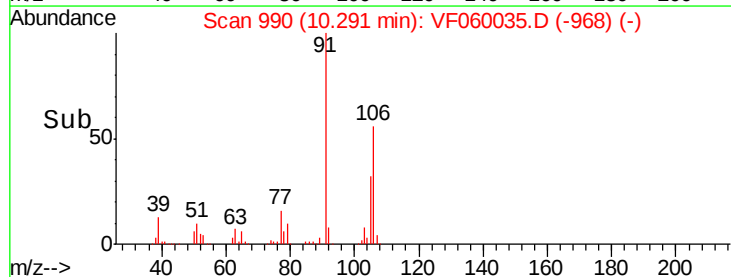
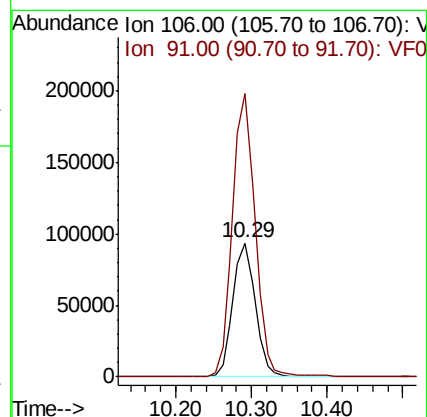
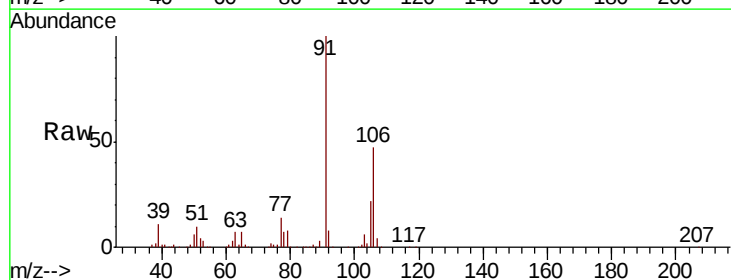
Acq: 22 Aug 2018 12:58

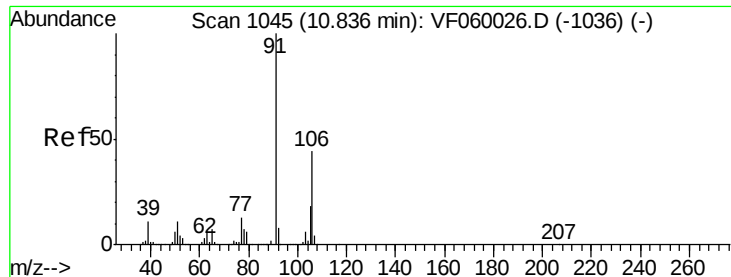
Tgt Ion: 106 Resp: 193833

Ion Ratio Lower Upper

106 100

91 211.2 171.8 257.8

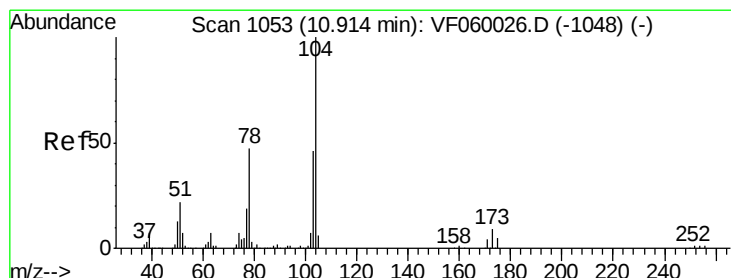
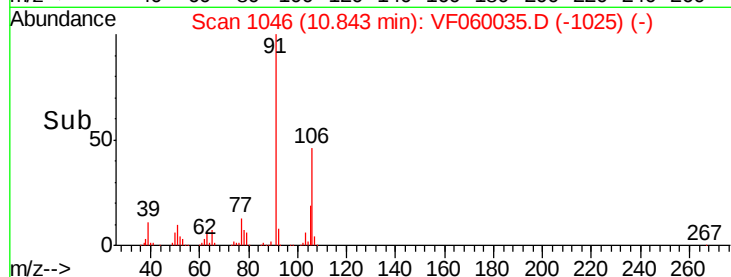
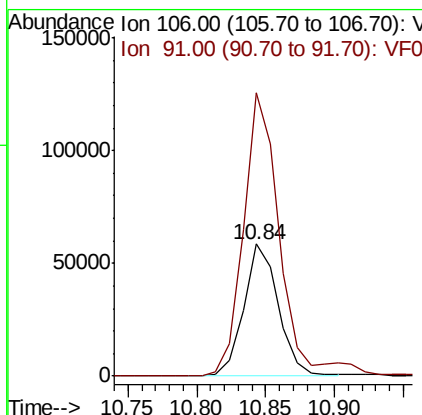
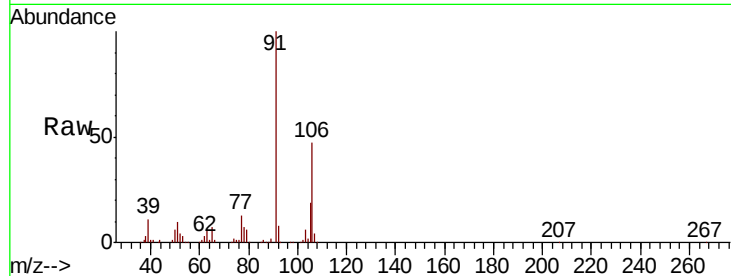




#69
o-Xylene
Concen: 22.82 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

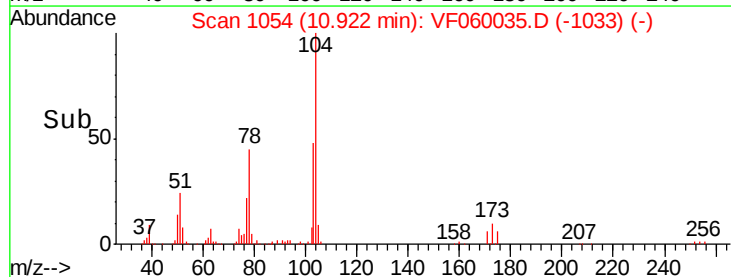
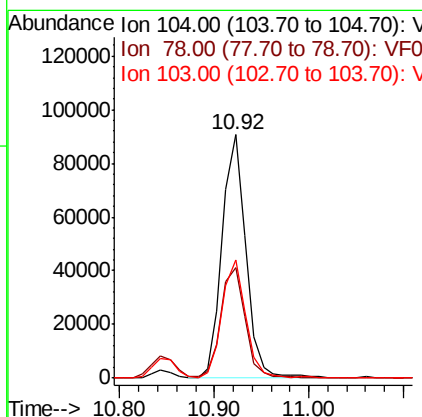
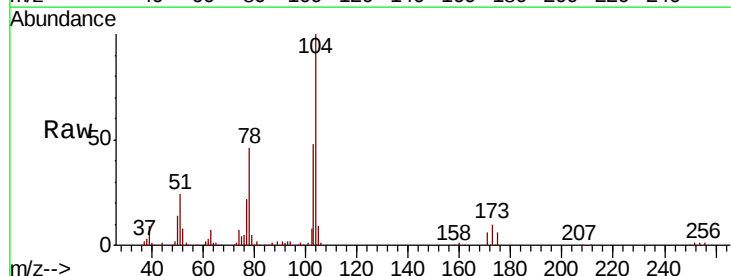
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

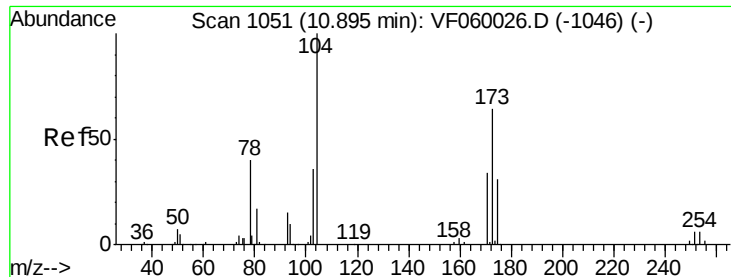
Tot Ion:106 Resp: 102752
Ion Ratio Lower Upper
106 100
91 214.7 112.5 337.5



#70
Styrene
Concen: 22.76 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion:104 Resp: 157209
Ion Ratio Lower Upper
104 100
78 45.5 38.0 57.0
103 48.3 37.6 56.4





#71

Bromoform

Concen: 21.13 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

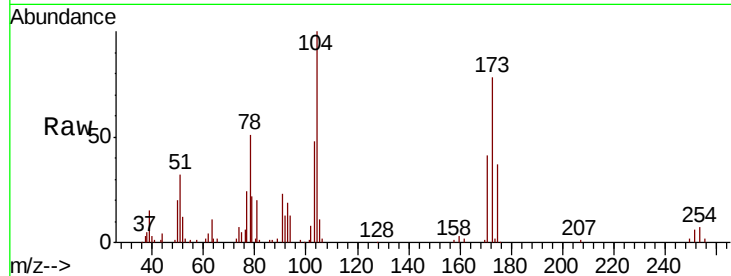
Tot Ion:173 Resp: 37242

Ion Ratio Lower Upper

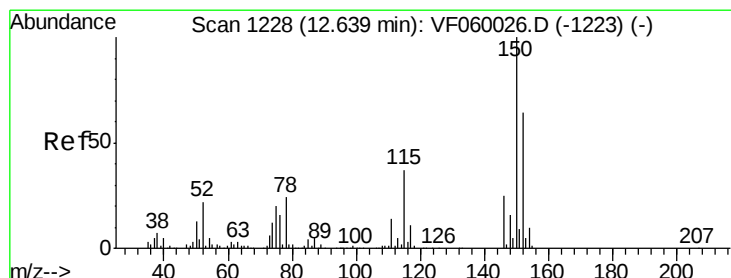
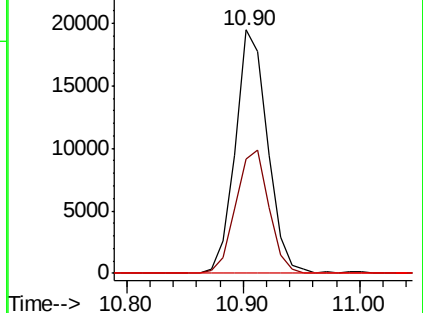
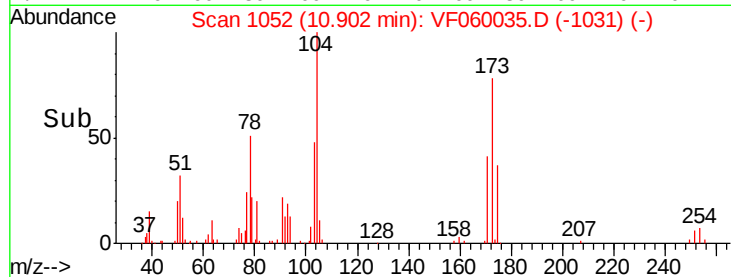
173 100

175 47.4 24.7 74.1

254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

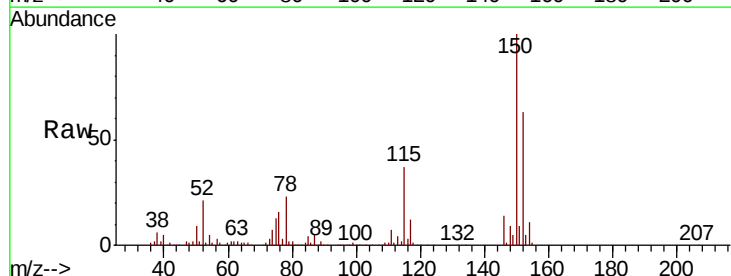
Tgt Ion:152 Resp: 214285

Ion Ratio Lower Upper

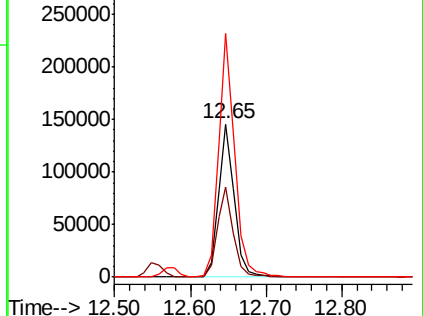
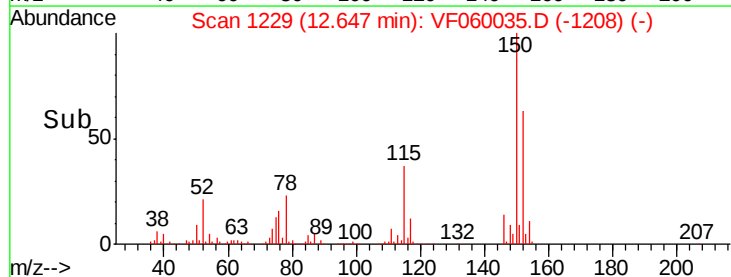
152 100

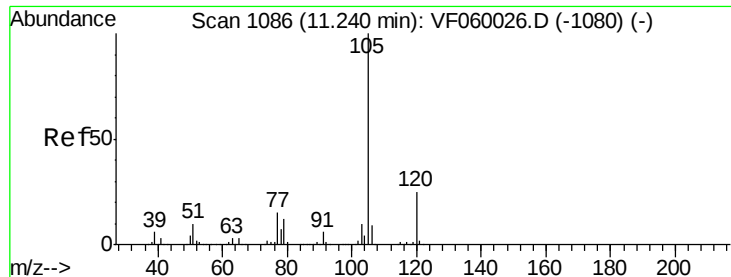
115 58.6 28.6 85.9

150 159.1 0.0 312.0



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: 22.65 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

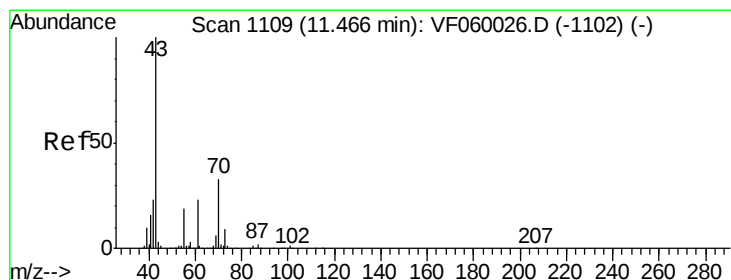
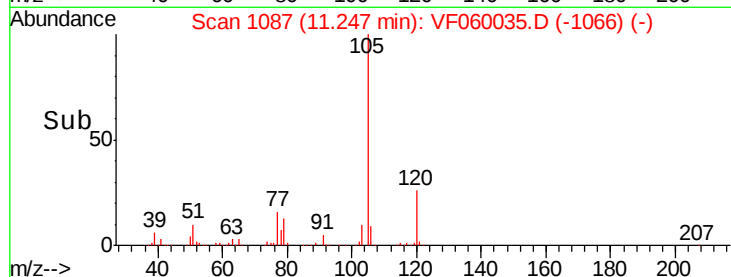
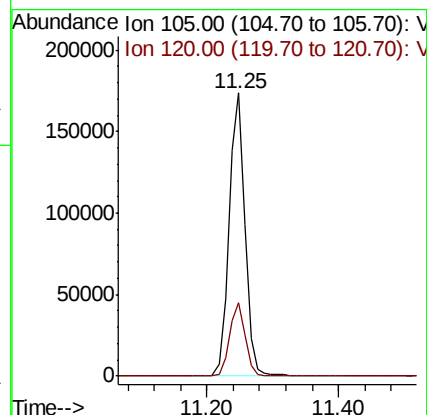
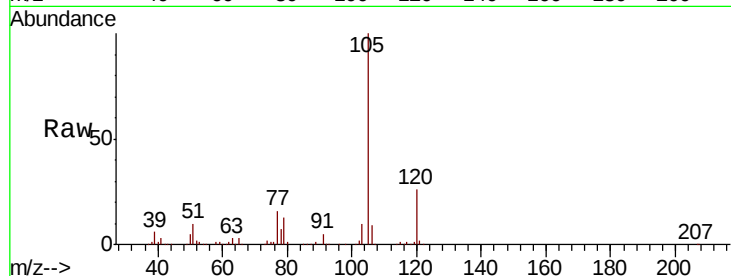
VF0822SBS01

Tot Ion:105 Resp: 292193

Ion Ratio Lower Upper

105 100

120 26.1 12.7 38.0



#74

N-ethyl acetate

Concen: 21.86 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Tgt Ion: 43 Resp: 87658

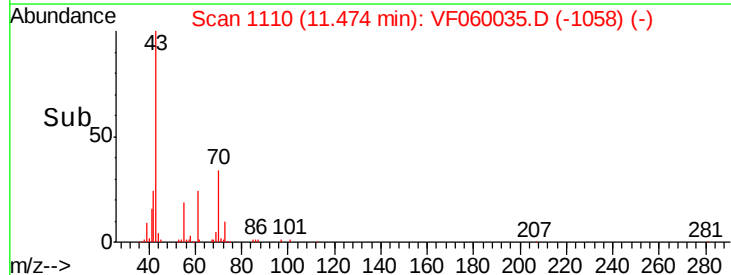
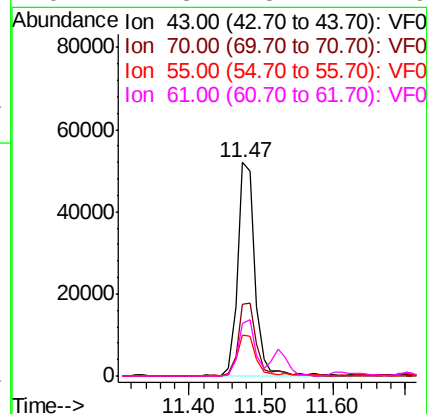
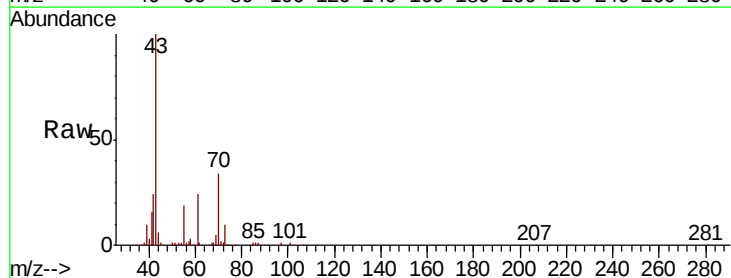
Ion Ratio Lower Upper

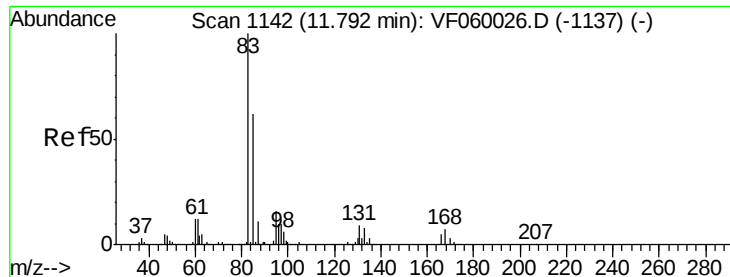
43 100

70 33.7 26.4 39.6

55 19.0 15.0 22.4

61 24.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.63 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

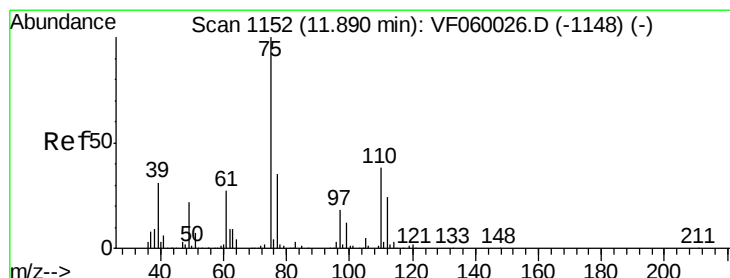
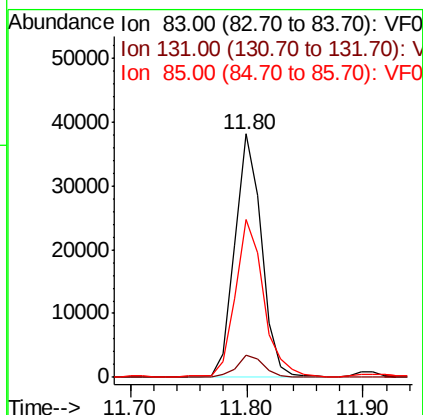
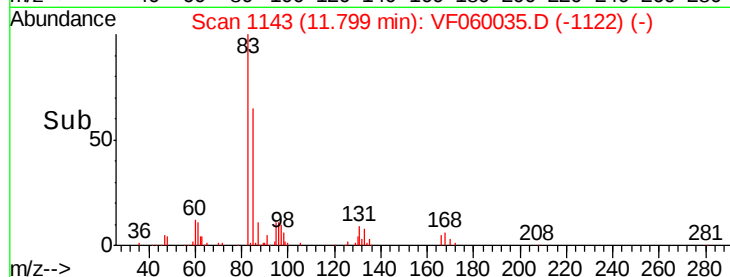
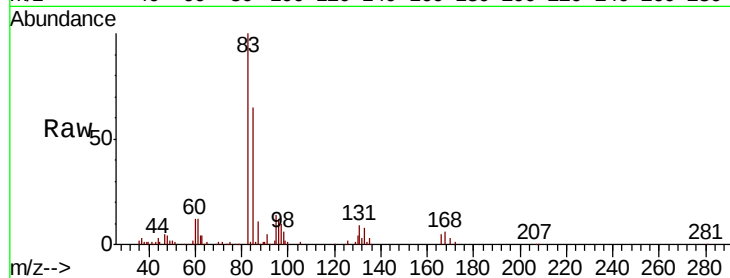
Tot Ion: 83 Resp: 60918

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.7

85 64.6 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 21.58 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060035.D

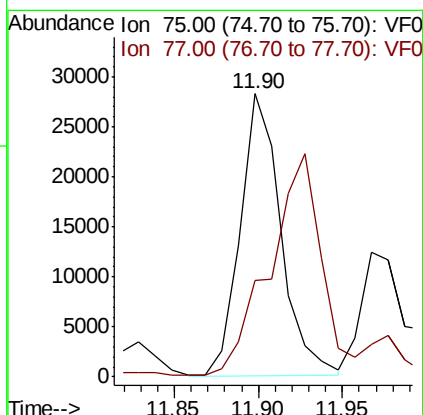
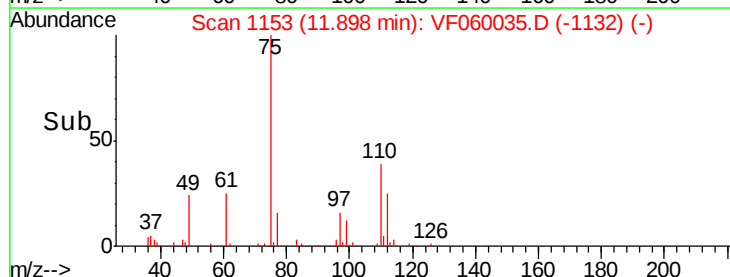
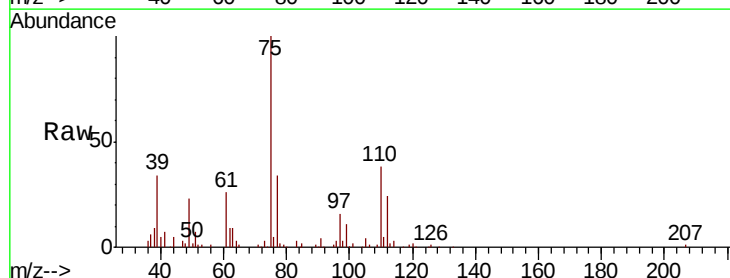
Acq: 22 Aug 2018 12:58

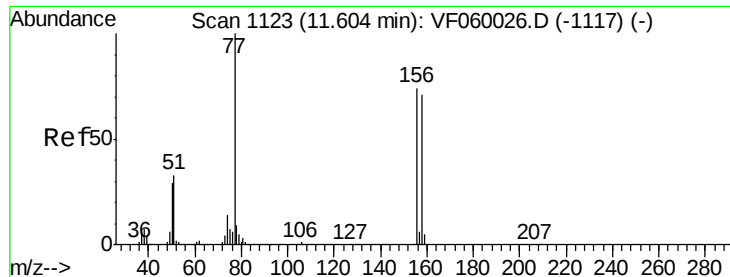
Tgt Ion: 75 Resp: 47132

Ion Ratio Lower Upper

75 100

77 34.3 17.3 52.0





#77

Bromobenzene

Concen: 21.32 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

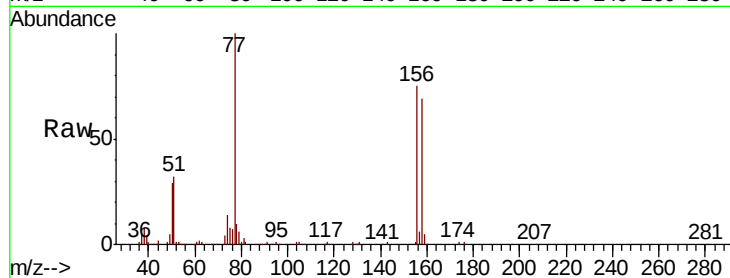
Tot Ion:156 Resp: 74803

Ion Ratio Lower Upper

156 100

77 133.2 68.0 204.0

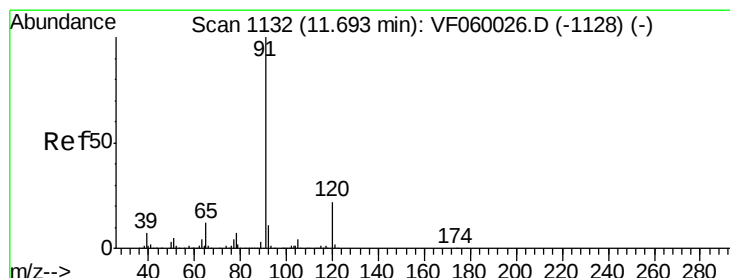
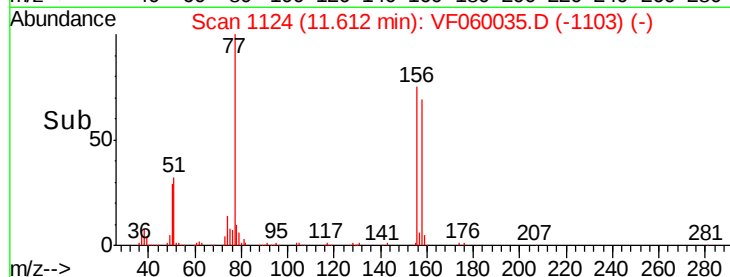
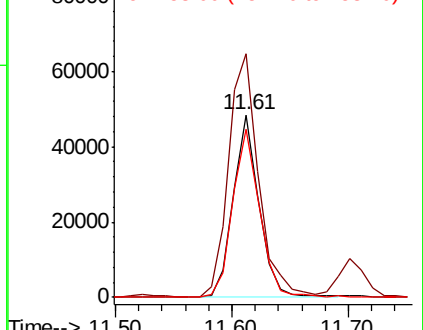
158 92.3 48.4 145.3



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: 22.17 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060035.D

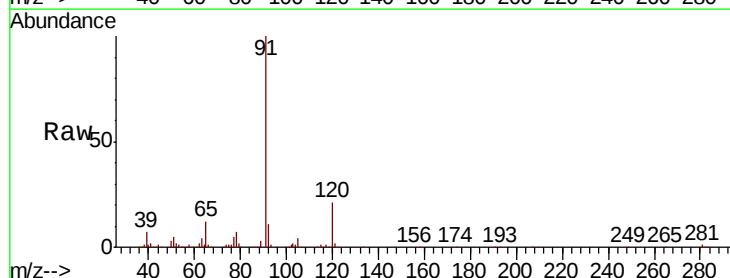
Acq: 22 Aug 2018 12:58

Tgt Ion: 91 Resp: 352963

Ion Ratio Lower Upper

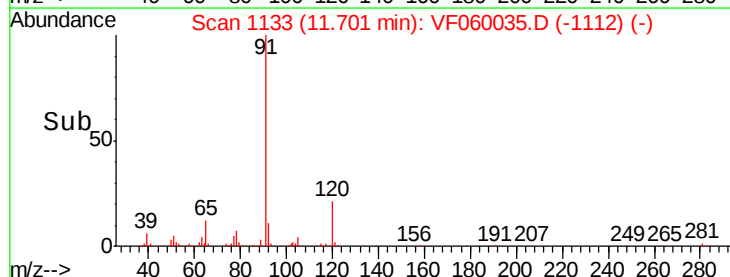
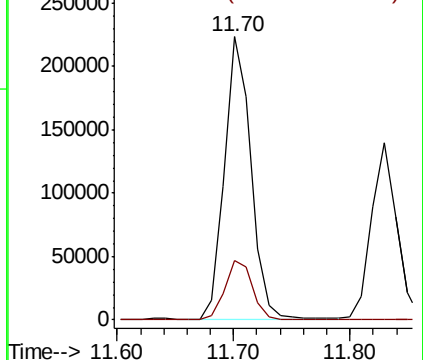
91 100

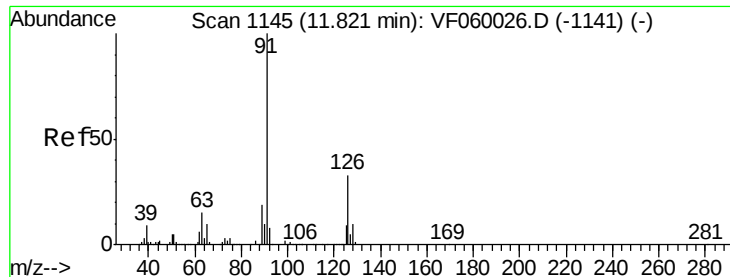
120 21.2 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

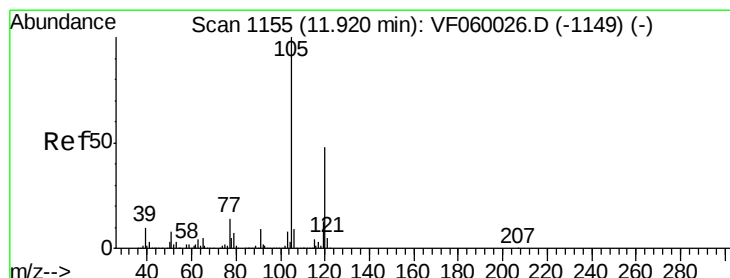
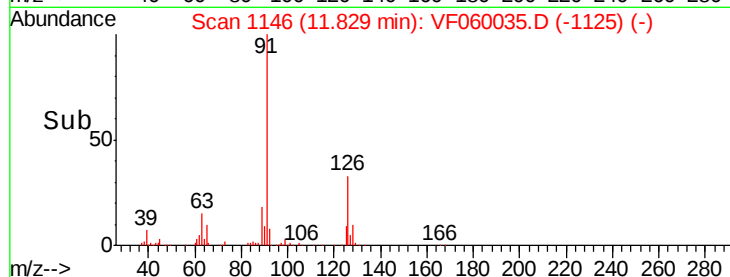
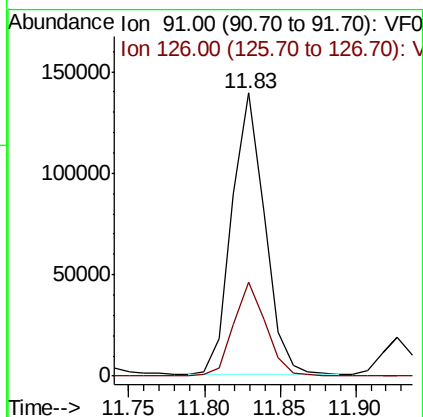
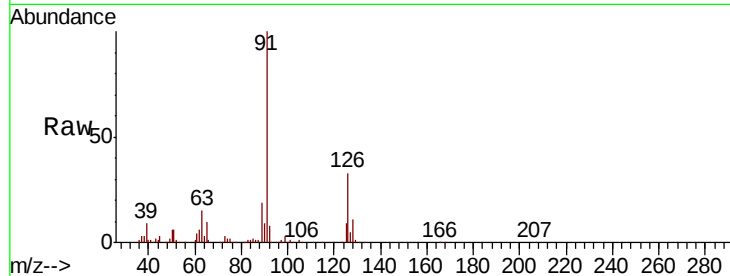




#79
 2-Chlorotoluene
 Concen: 22.34 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

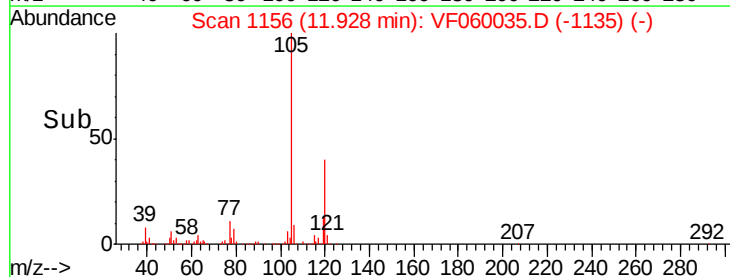
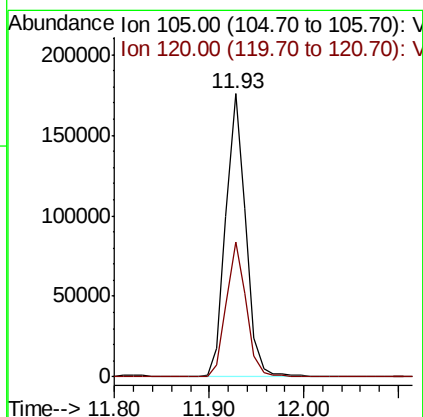
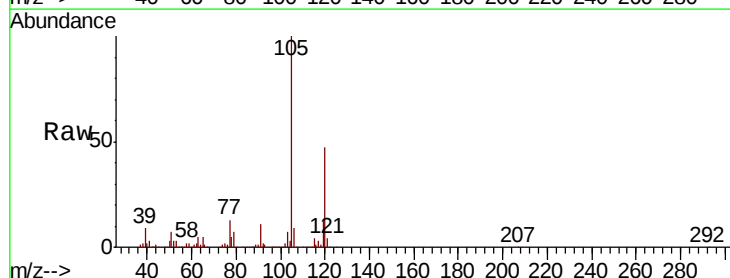
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

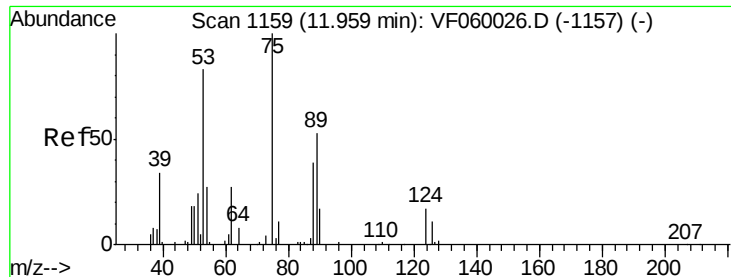
Tot Ion: 91 Resp: 209170
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 22.91 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion:105 Resp: 257427
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.5

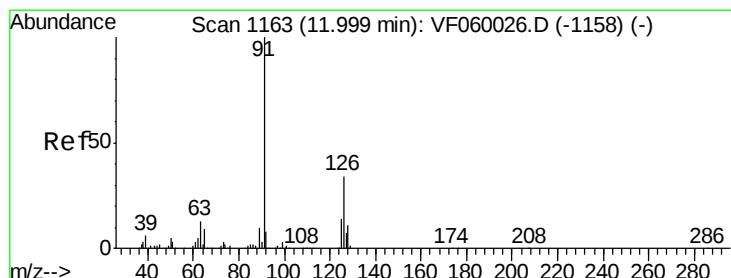
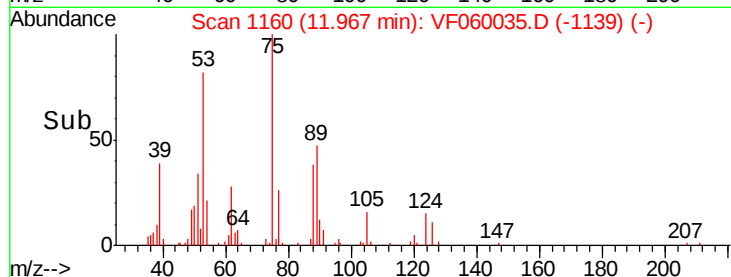
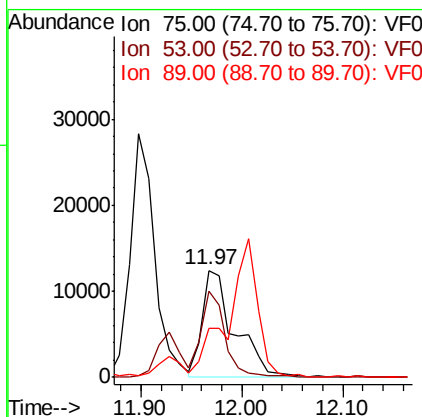
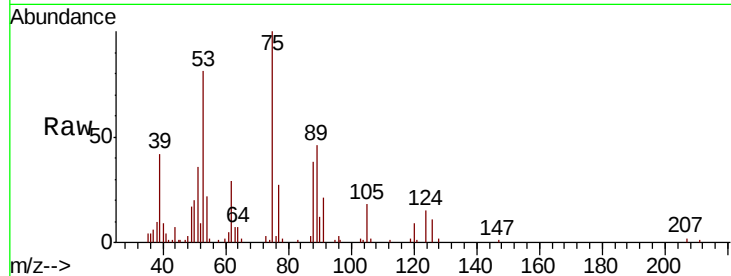




#81
trans-1,4-Dichloro-2-butene
Concen: 27.96 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

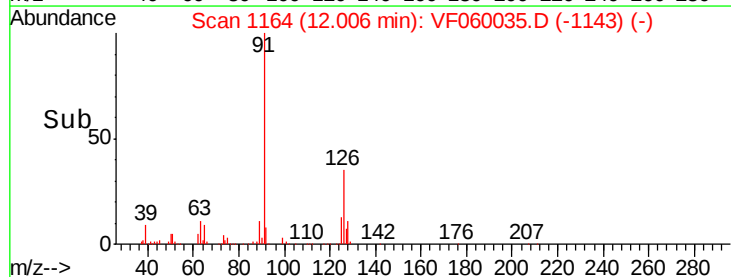
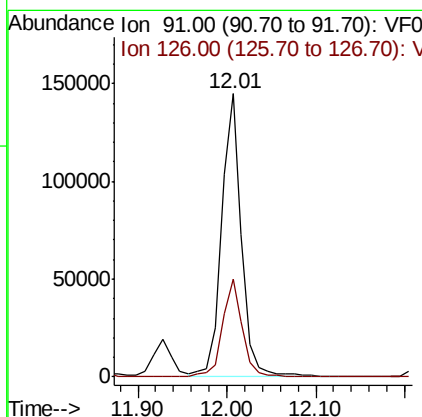
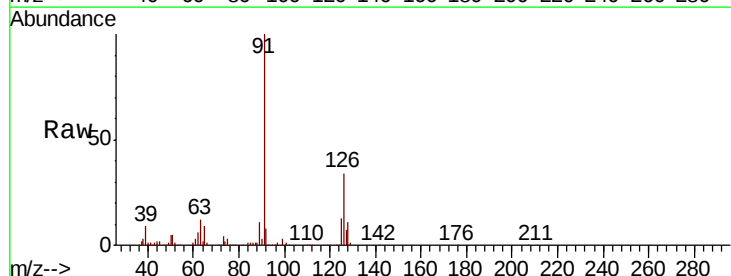
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

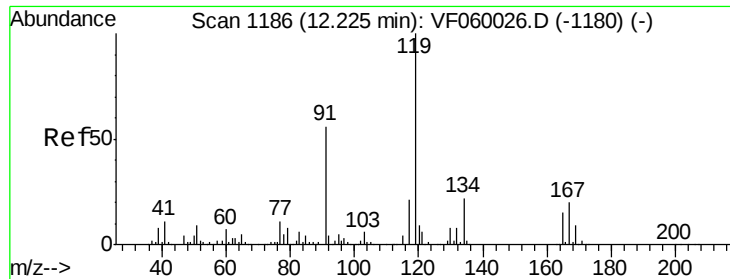
Tot Ion: 75 Resp: 27943
Ion Ratio Lower Upper
75 100
53 81.1 66.2 99.4
89 46.0 42.8 64.2



#82
4-Chlorotoluene
Concen: 22.18 ug/l
RT: 12.01 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion: 91 Resp: 225421
Ion Ratio Lower Upper
91 100
126 34.5 17.0 50.9

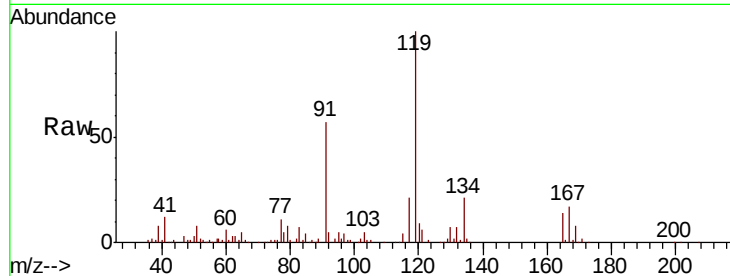




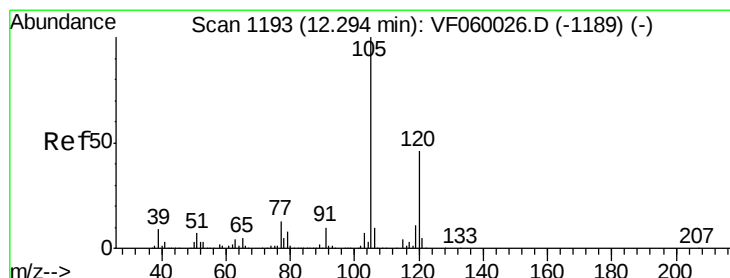
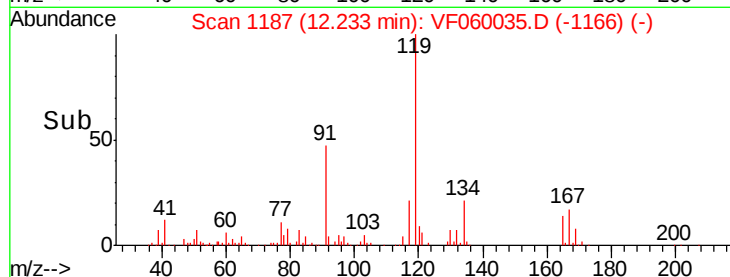
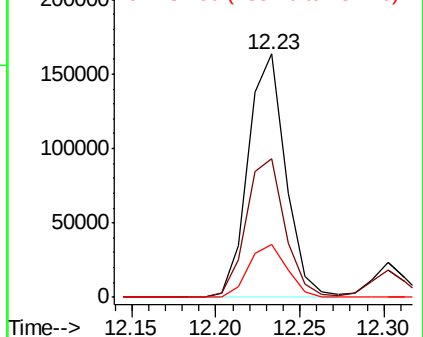
#83
tert-Butylbenzene
Concen: 23.12 ug/l
RT: 12.23 min Scan# 1187
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

Tot Ion:119 Resp: 253358
Ion Ratio Lower Upper
119 100
91 57.1 28.1 84.3
134 21.5 11.1 33.3

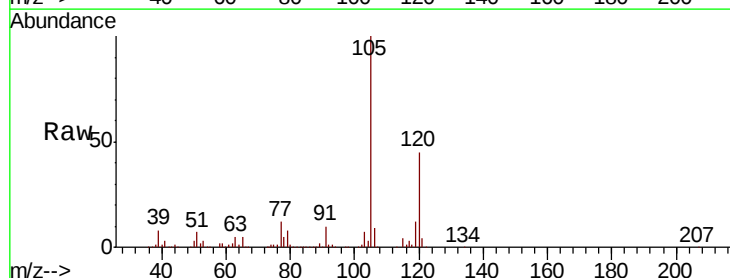


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

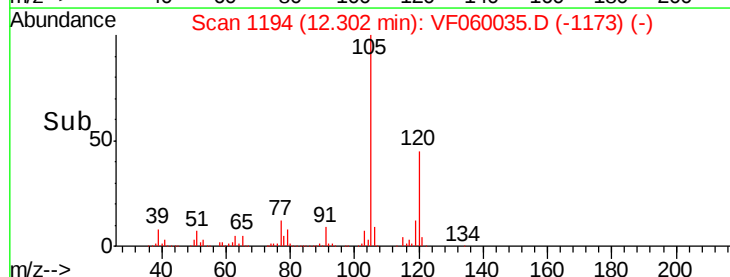
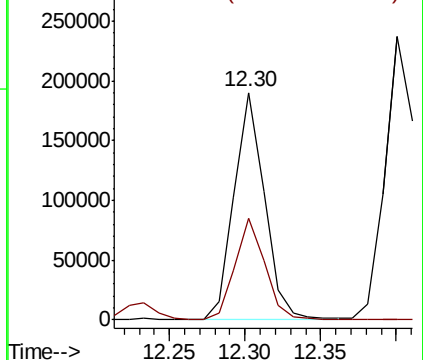


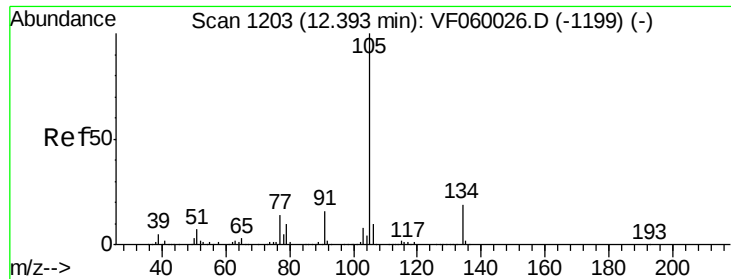
#84
1,2,4-Trimethylbenzene
Concen: 22.37 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion:105 Resp: 267244
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8



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

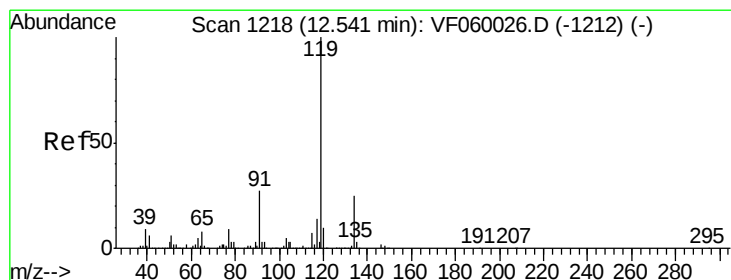
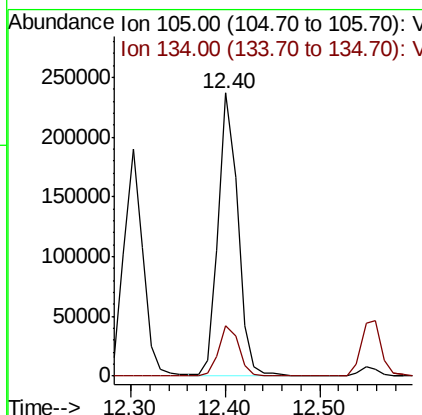
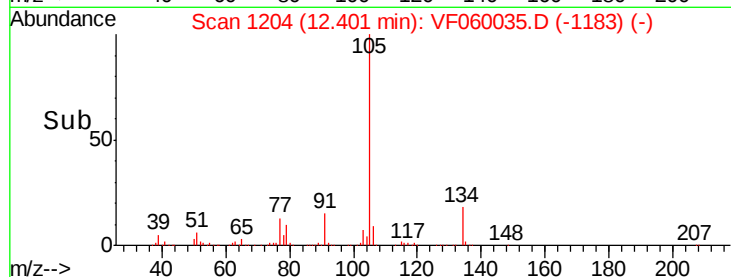
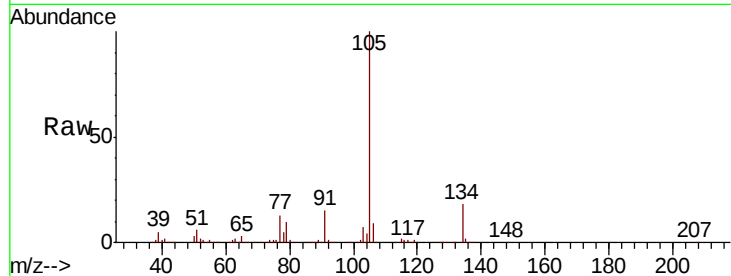




#85
 sec-Butylbenzene
 Concen: 22.42 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

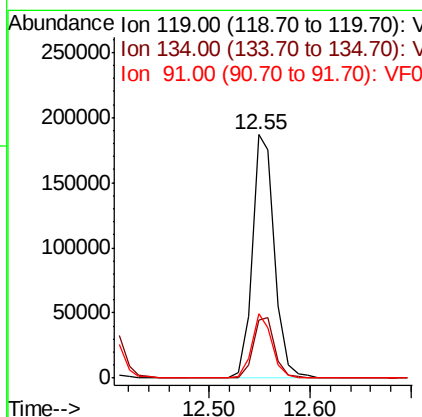
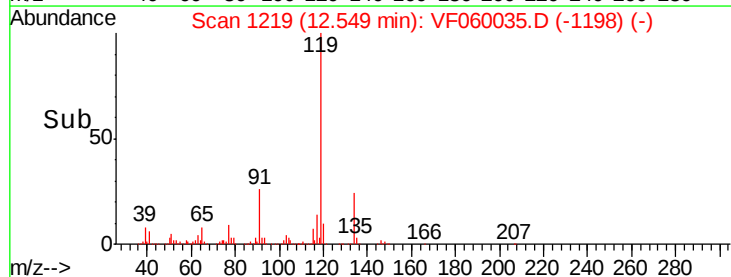
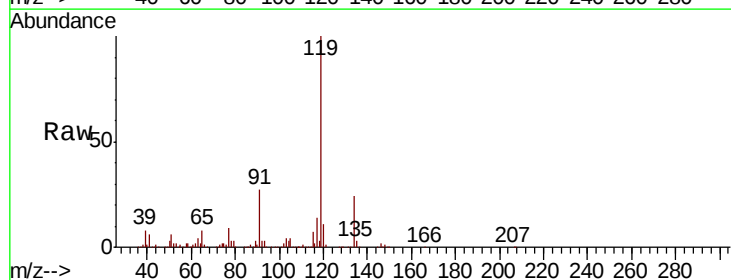
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

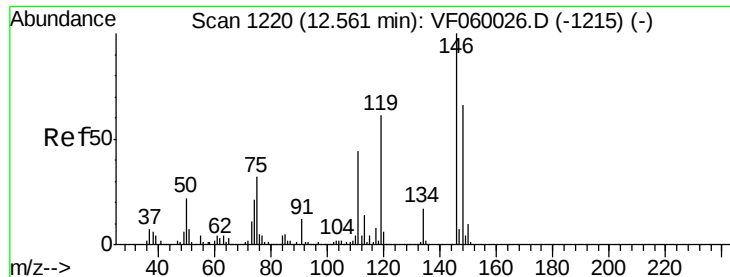
Tot Ion:105 Resp: 342165
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 22.76 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion:119 Resp: 288114
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.4 37.2
 91 26.7 13.5 40.4

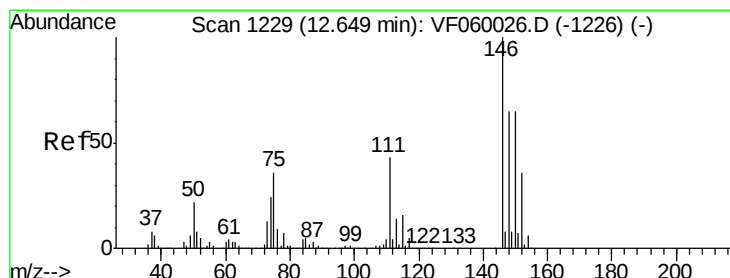
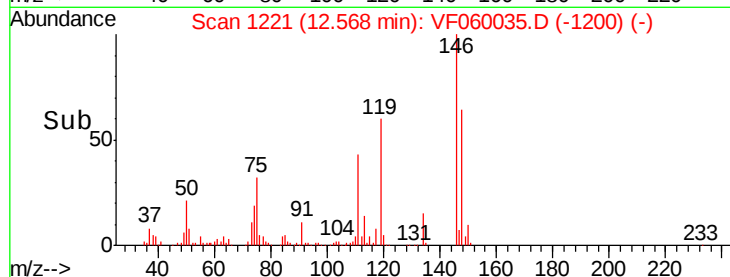
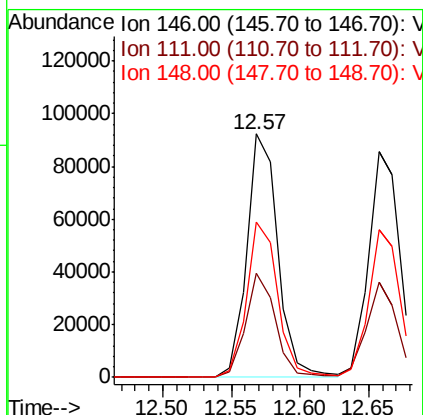
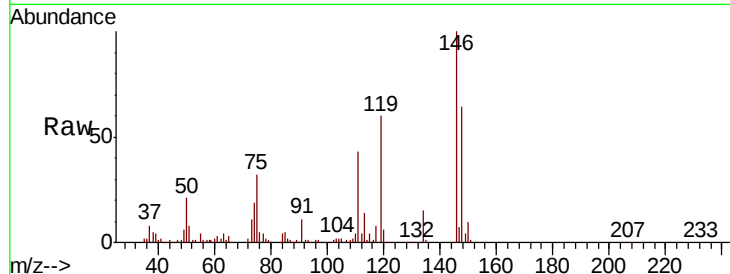




#87
 1,3-Dichlorobenzene
 Concen: 22.48 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

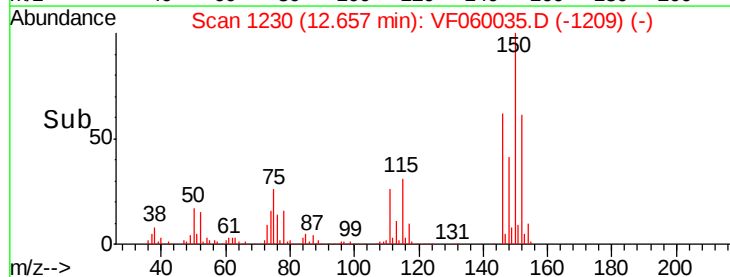
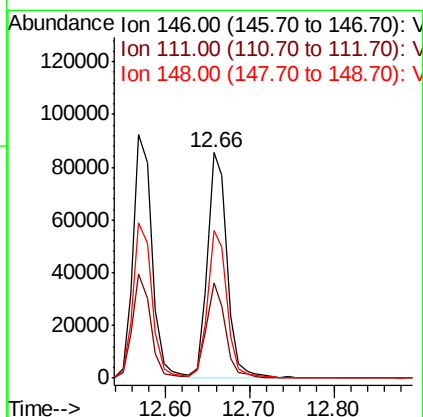
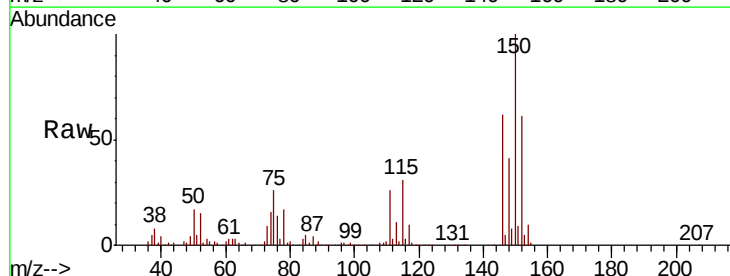
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

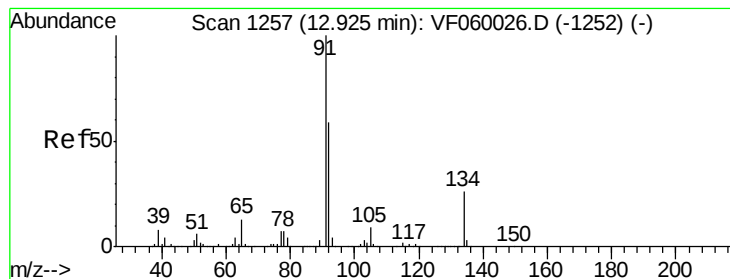
Tot Ion:146 Resp: 145778
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.9 65.5
 148 63.7 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 21.55 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion:146 Resp: 138923
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.6 64.8
 148 65.5 32.3 96.8





#89

n-Butylbenzene

Concen: 22.98 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

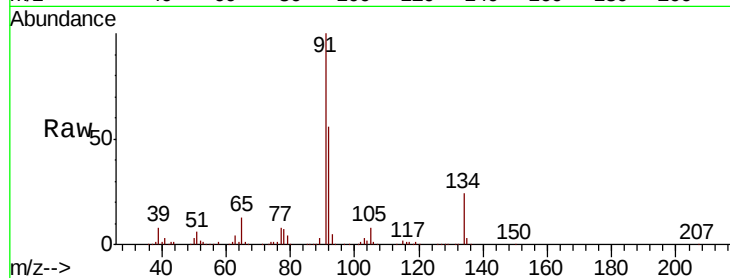
Tot Ion: 91 Resp: 282600

Ion Ratio Lower Upper

91 100

92 56.4 29.3 87.9

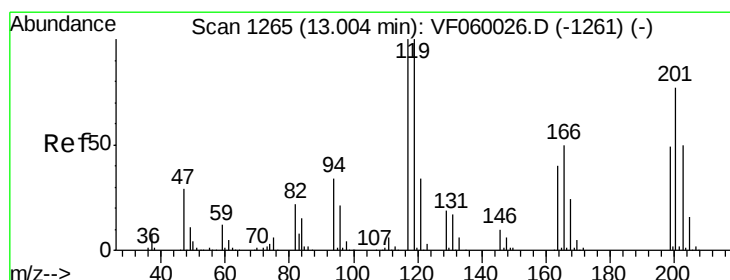
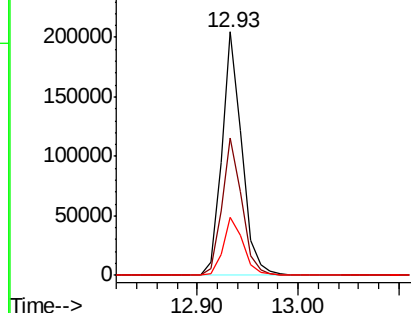
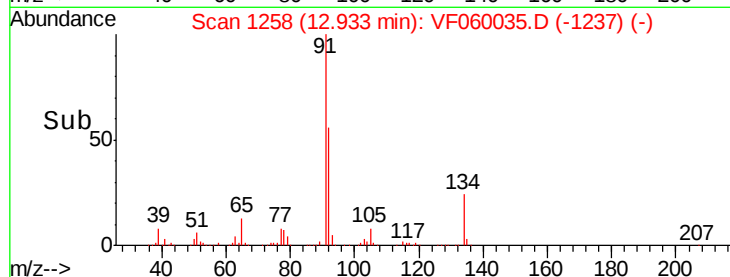
134 23.9 12.8 38.3



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: 21.38 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF060035.D

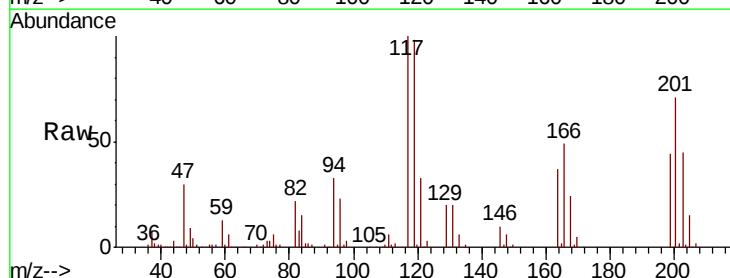
Acq: 22 Aug 2018 12:58

Tgt Ion: 117 Resp: 60826

Ion Ratio Lower Upper

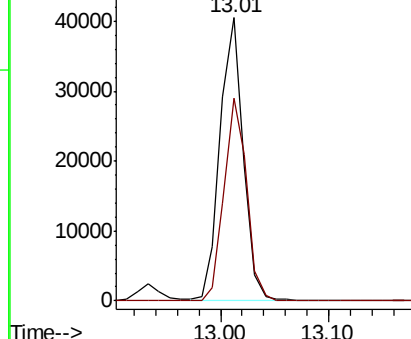
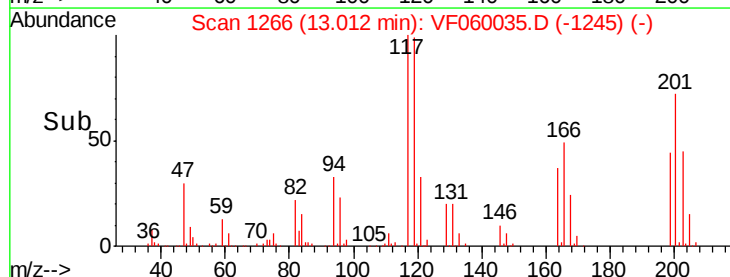
117 100

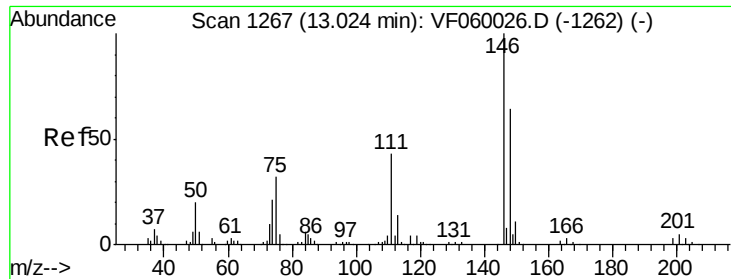
201 71.5 38.6 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.93 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBSD01

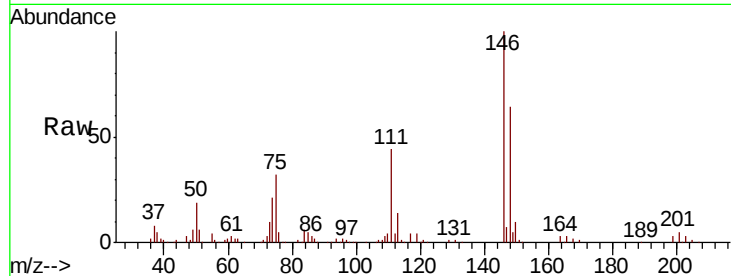
Tot Ion:146 Resp: 136789

Ion Ratio Lower Upper

146 100

111 44.3 21.6 64.6

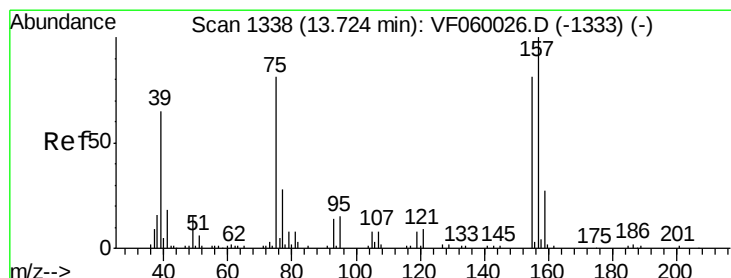
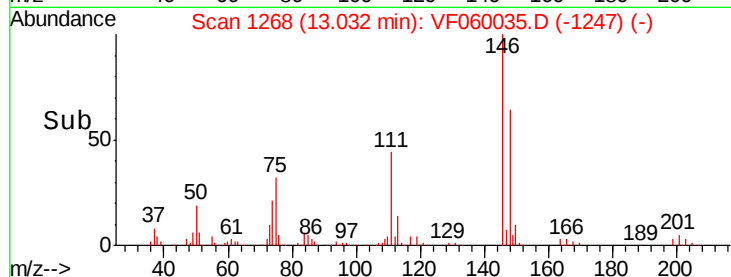
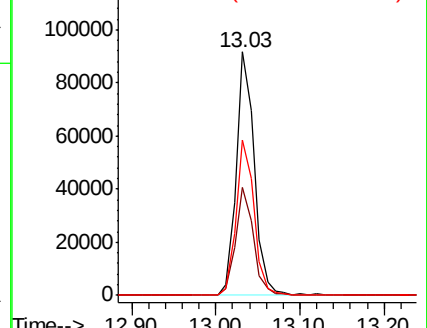
148 63.7 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.28 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

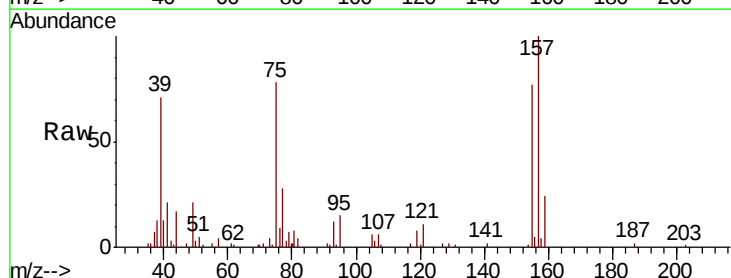
Tgt Ion: 75 Resp: 10522

Ion Ratio Lower Upper

75 100

155 99.9 49.8 149.3

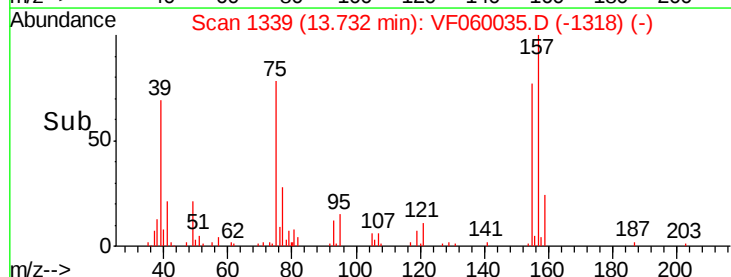
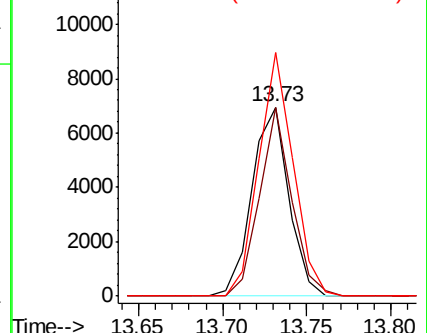
157 128.9 61.6 184.7

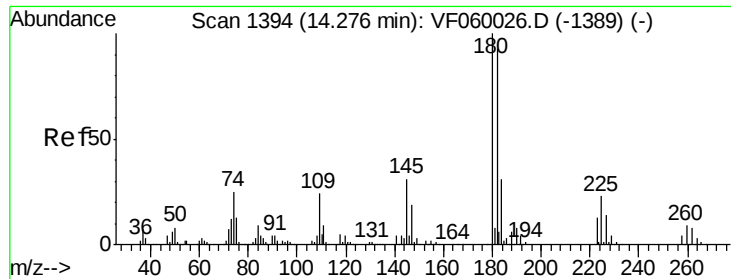


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

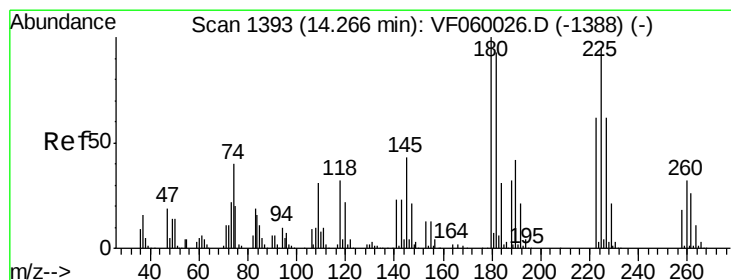
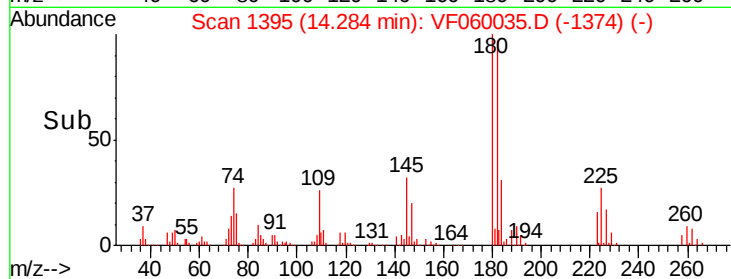
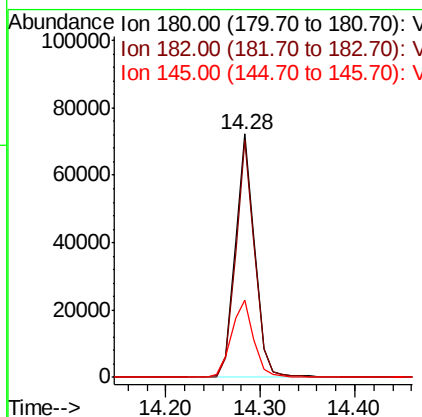
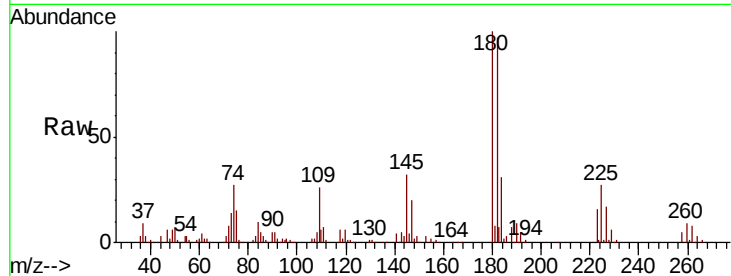




#93
 1,2,4-Trichlorobenzene
 Concen: 22.42 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

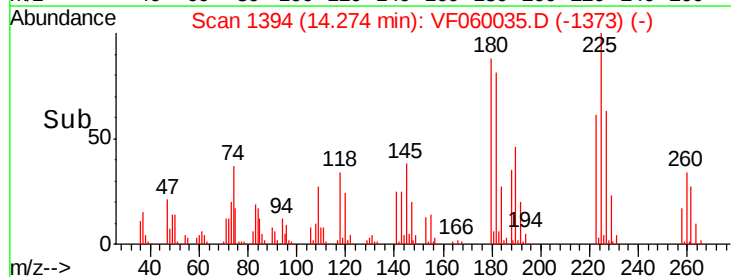
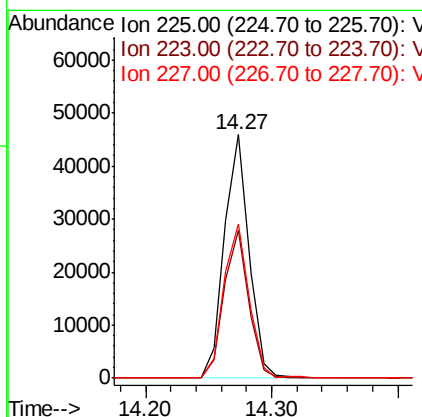
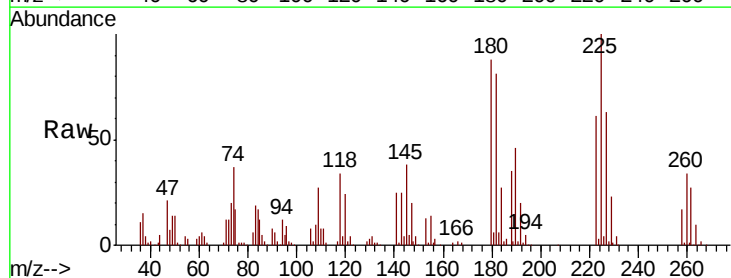
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

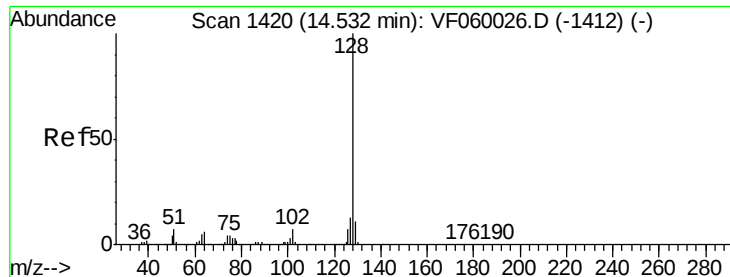
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.8	140.3
145	31.6	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 21.63 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.6	97.8
227	63.3	33.0	98.9

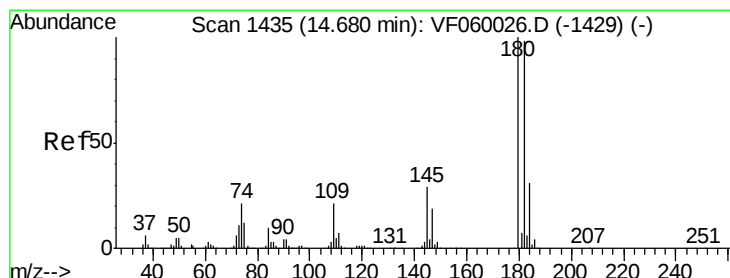
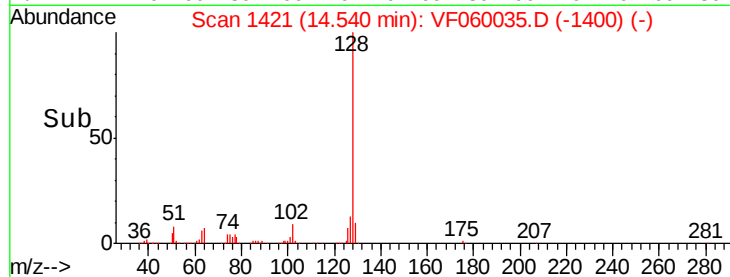
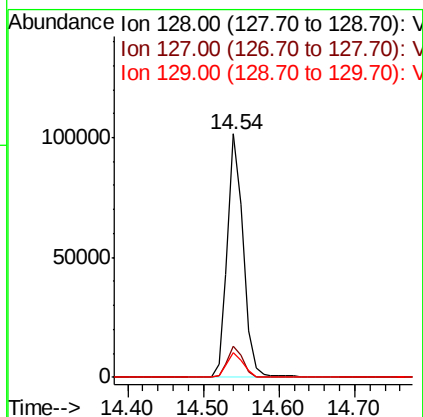
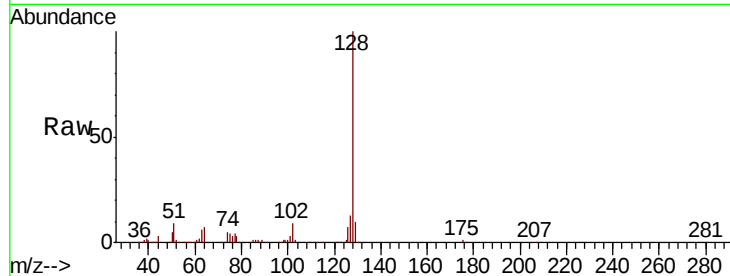




#95
Naphthalene
Concen: 20.17 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tot Ion:128 Resp: 149341
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.06 ug/l
RT: 14.69 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Tgt Ion:180 Resp: 96689
Ion Ratio Lower Upper
180 100
182 93.5 49.0 147.2
145 31.7 14.4 43.2

