

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 : 5.00g/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	21.683	ug/l	95
3) Chloromethane	1.07	50	48671	25.090	ug/l	99
4) Vinyl Chloride	1.12	62	39076	22.606	ug/l	96
5) Bromomethane	1.32	94	29229	22.252	ug/l	96
6) Chloroethane	1.40	64	14668	21.526	ug/l	100
7) Trichlorofluoromethane	1.49	101	78013	22.443	ug/l	97
8) Diethyl Ether	1.72	74	14385	23.147	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.87	101	40203	22.034	ug/l	91
10) Methyl Iodide	1.94	142	58474	24.239	ug/l	97
11) Tert butyl alcohol	2.70	59	16315	105.962	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	30000	22.316	ug/l	97
13) Acrolein	2.10	56	5853	81.994	ug/l	90
14) Allyl chloride	2.20	41	55621	23.297	ug/l	96
15) Acrylonitrile	3.10	53	33329	109.690	ug/l	88
16) Acetone	2.36	43	85365	112.225	ug/l	98
17) Carbon Disulfide	1.85	76	98022	23.289	ug/l	100
18) Methyl Acetate	2.46	43	30390	21.005	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	92599	21.500	ug/l	95
20) Methylene Chloride	2.29	84	41184	24.921	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	31401	20.876	ug/l	90
22) Diisopropyl ether	2.95	45	109657	20.512	ug/l	98
23) Vinyl Acetate	3.35	43	344876	121.771	ug/l	98
24) 1,1-Dichloroethane	3.02	63	70821	21.444	ug/l	99
25) 2-Butanone	4.53	43	114475	115.860	ug/l	96
26) 2,2-Dichloropropane	3.79	77	78123	22.864	ug/l	93
27) cis-1,2-Dichloroethene	3.66	96	50883	23.872	ug/l	90
28) Bromochloromethane	3.91	49	31589	22.655	ug/l	96
29) Tetrahydrofuran	4.28	42	41428	111.055	ug/l	98
30) Chloroform	4.06	83	101037	21.795	ug/l	100
31) Cyclohexane	3.87	56	59721	23.732	ug/l	89
32) 1,1,1-Trichloroethane	4.30	97	87853	22.130	ug/l	96
36) 1,1-Dichloropropene	4.48	75	71494	23.300	ug/l	98
37) Ethyl Acetate	4.31	43	38995	21.250	ug/l	94
38) Carbon Tetrachloride	4.19	117	81252	22.868	ug/l	96

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 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)
39) Methylcyclohexane	5.65	83	65156	22.647	ug/l	90
40) Benzene	4.83	78	155811	23.246	ug/l	95
41) Methacrylonitrile	4.94	41	18589	20.027	ug/l #	91
42) 1,2-Dichloroethane	5.14	62	75254	20.939	ug/l	98
43) Isopropyl Acetate	7.13	43	50433	21.836	ug/l #	94
44) Trichloroethene	5.70	130	51460	23.224	ug/l	99
45) 1,2-Dichloropropane	6.43	63	43548	22.969	ug/l	100
46) Dibromomethane	6.27	93	33677	22.700	ug/l	93
47) Bromodichloromethane	6.58	83	77964	21.757	ug/l #	92
48) Methyl methacrylate	6.89	41	33065	21.635	ug/l	94
49) 1,4-Dioxane	6.90	88	7009	477.727	ug/l	96
51) 4-Methyl-2-Pentanone	8.43	43	225272	112.948	ug/l	97
52) Toluene	7.80	92	113663	23.788	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	74643	22.970	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	84723	23.361	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	41198	22.779	ug/l	97
56) Ethyl methacrylate	8.78	69	49026	22.395	ug/l	91
57) 1,3-Dichloropropane	9.02	76	69988	22.017	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.80	63	18966	109.147	ug/l	100
59) 2-Hexanone	9.65	43	192377	119.174	ug/l	97
60) Dibromochloromethane	8.88	129	58910	22.065	ug/l	100
61) 1,2-Dibromoethane	9.16	107	46063	21.687	ug/l	98
64) Tetrachloroethene	8.33	164	51585	21.708	ug/l	97
65) Chlorobenzene	9.97	112	147996	22.218	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	54177	21.444	ug/l	97
67) Ethyl Benzene	10.06	91	258789	22.516	ug/l	99
68) m/p-Xylenes	10.29	106	193833	46.497	ug/l	98
69) o-Xylene	10.84	106	102752	22.818	ug/l	94
70) Styrene	10.92	104	157209	22.756	ug/l	98
71) Bromoform	10.90	173	37242	21.128	ug/l	97
73) Isopropylbenzene	11.25	105	292193	22.653	ug/l	98
74) N-amyl acetate	11.47	43	87658	21.864	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	60918	21.625	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	47132	21.575	ug/l	99
77) Bromobenzene	11.61	156	74803	21.324	ug/l	97
78) n-propylbenzene	11.70	91	352963	22.171	ug/l	99
79) 2-Chlorotoluene	11.83	91	209170	22.344	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	257427	22.908	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	27943	27.956	ug/l	95
82) 4-Chlorotoluene	12.01	91	225421	22.179	ug/l	99
83) tert-Butylbenzene	12.23	119	253358	23.116	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	267244	22.369	ug/l	98
85) sec-Butylbenzene	12.40	105	342165	22.425	ug/l	98
86) p-Isopropyltoluene	12.55	119	288114	22.760	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	145778	22.476	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	138923	21.553	ug/l	99
89) n-Butylbenzene	12.93	91	282600	22.978	ug/l	97
90) Hexachloroethane	13.01	117	60826	21.383	ug/l	93
91) 1,2-Dichlorobenzene	13.03	146	136789	21.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	10522	18.278	ug/l	97

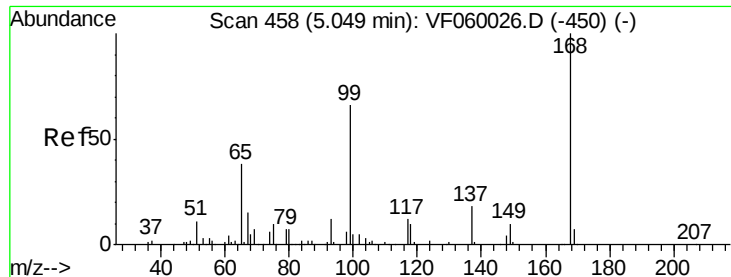
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102963	22.416	ug/l	97
94) Hexachlorobutadiene	14.27	225	61836	21.629	ug/l	95
95) Naphthalene	14.54	128	149341	20.168	ug/l	100
96) 1,2,3-Trichlorobenzene	14.69	180	96689	22.063	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 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 :

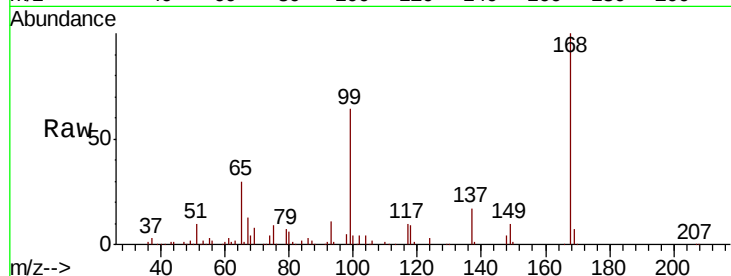
VF0822SBS01

Tgt 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

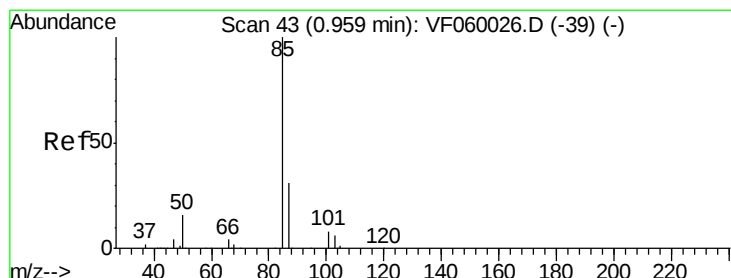
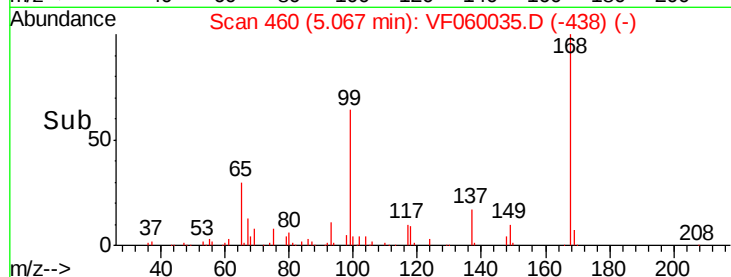
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.683 ug/l

RT: 0.97 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060035.D

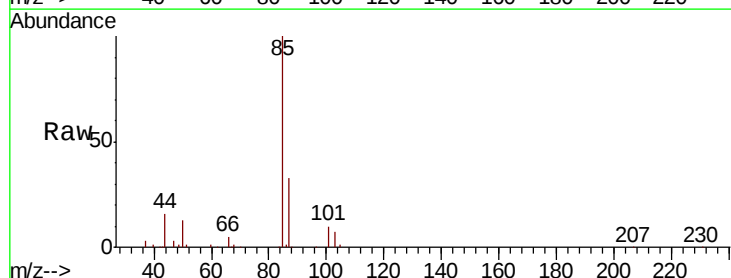
Acq: 22 Aug 2018 12:58

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

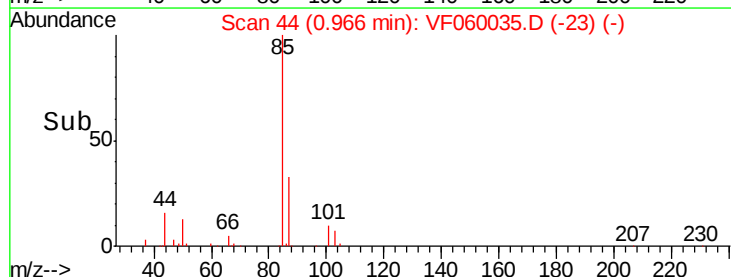
30000

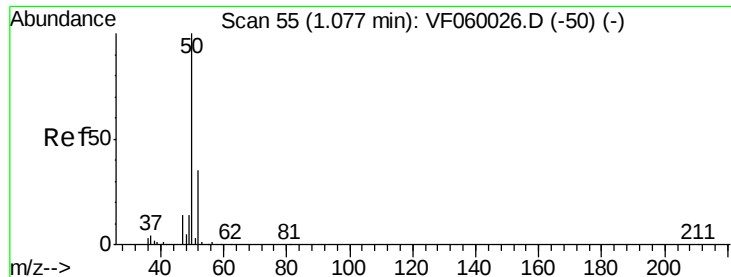
20000

10000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 25.090 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 :

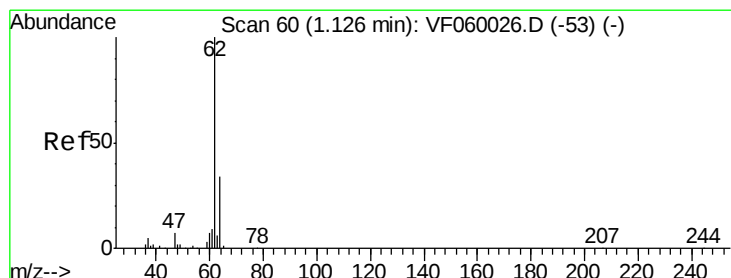
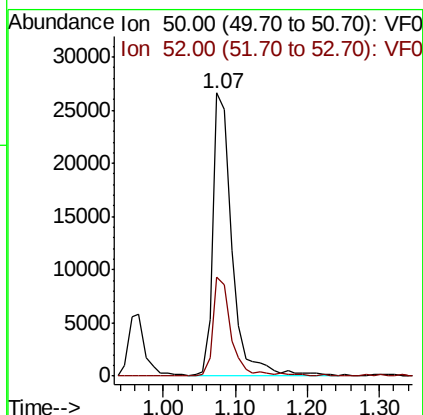
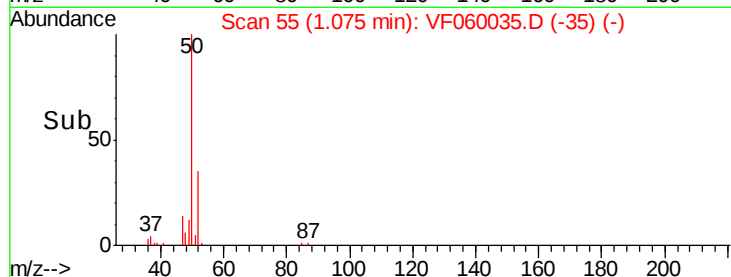
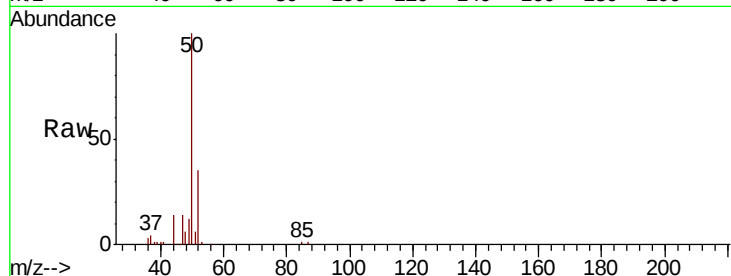
VF0822SBS01

Tgt Ion: 50 Resp: 48671

Ion Ratio Lower Upper

50 100

52 35.2 27.6 41.4



#4

Vinyl Chloride

Concen: 22.606 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060035.D

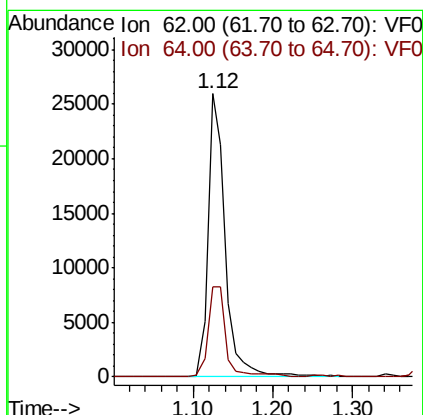
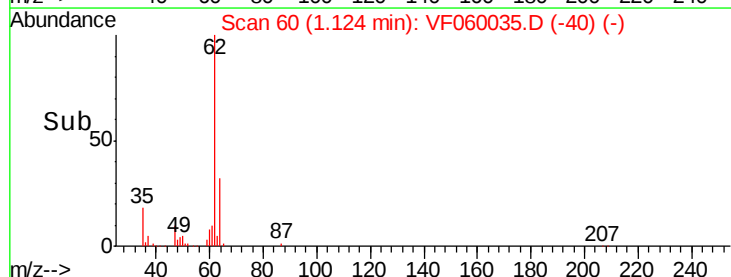
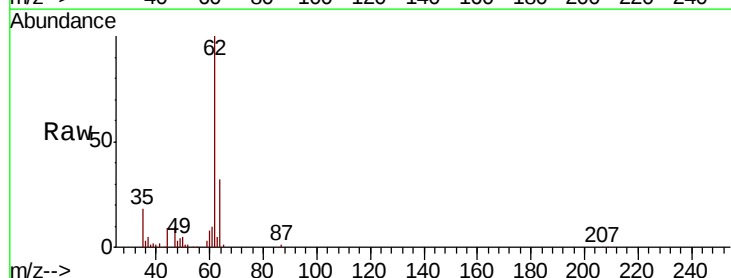
Acq: 22 Aug 2018 12:58

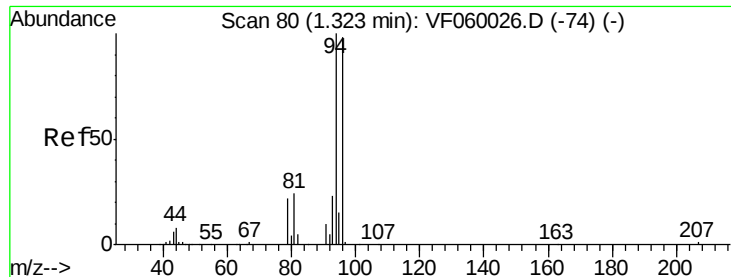
Tgt Ion: 62 Resp: 39076

Ion Ratio Lower Upper

62 100

64 31.9 27.4 41.2





#5

Bromomethane

Concen: 22.252 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 :

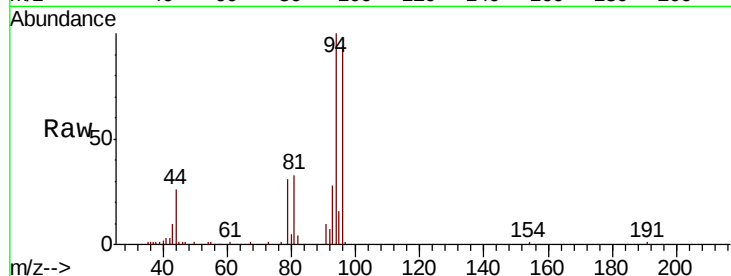
VF0822SBSD01

Tgt Ion: 94 Resp: 29229

Ion Ratio Lower Upper

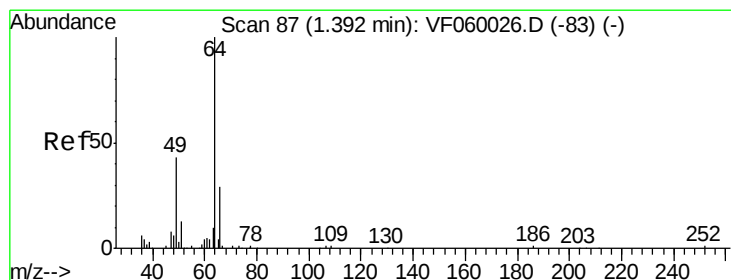
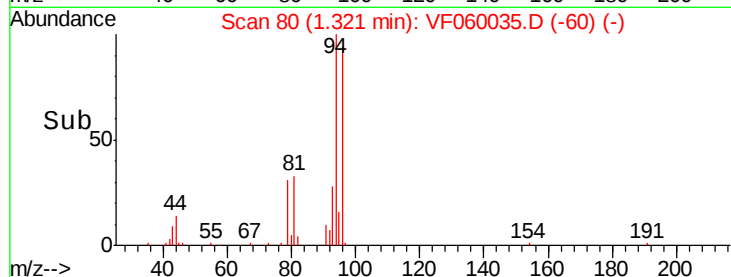
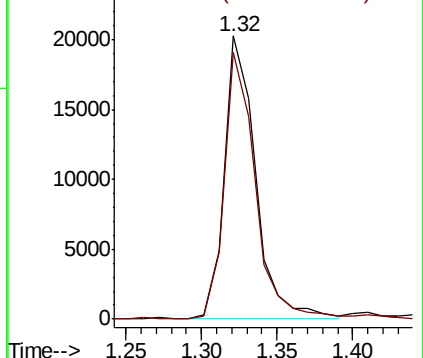
94 100

96 94.3 78.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 21.526 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060035.D

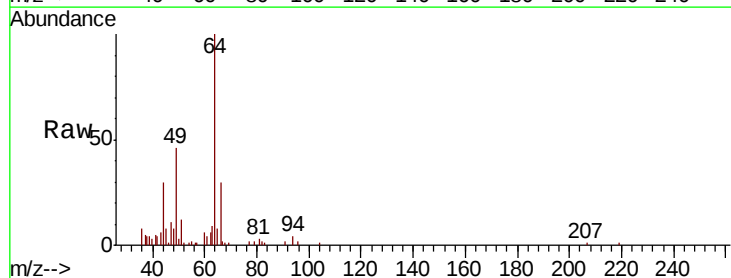
Acq: 22 Aug 2018 12:58

Tgt Ion: 64 Resp: 14668

Ion Ratio Lower Upper

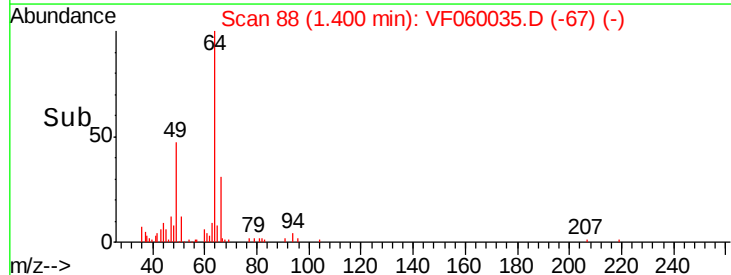
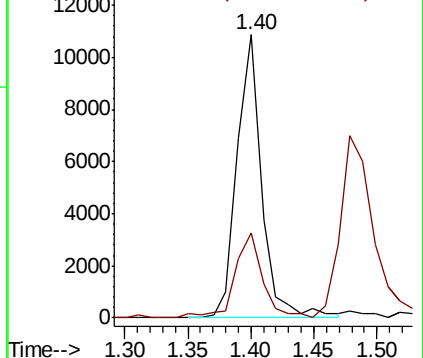
64 100

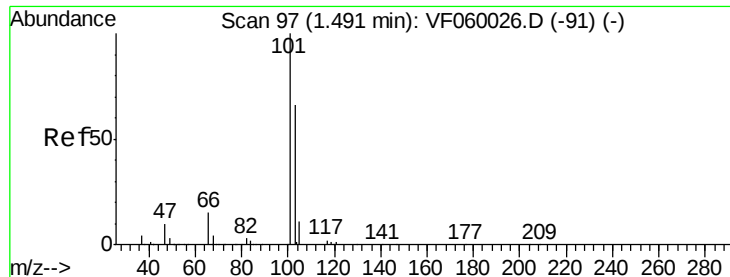
66 30.0 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 22.443 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

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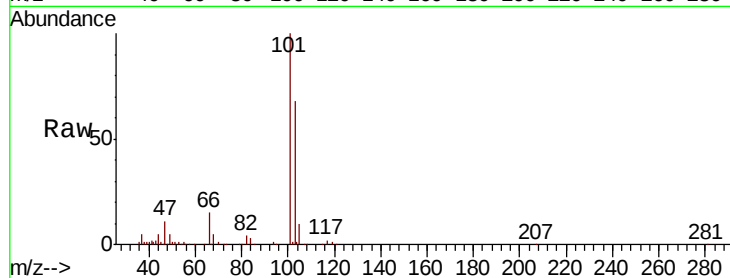
VF0822SBS01

Tgt Ion: 101 Resp: 78013

Ion Ratio Lower Upper

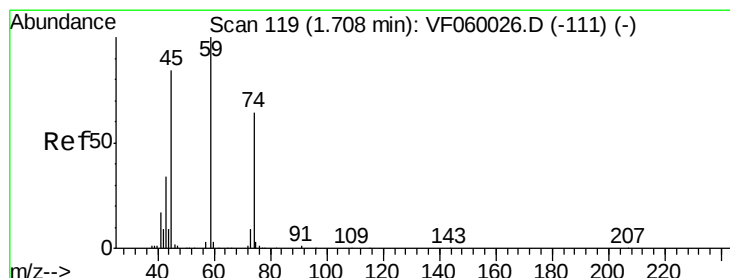
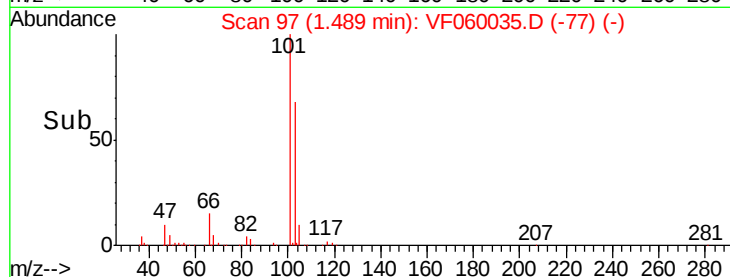
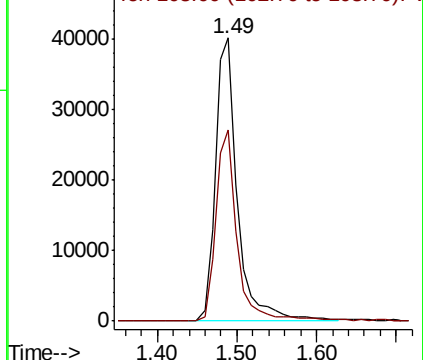
101 100

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: 23.147 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF060035.D

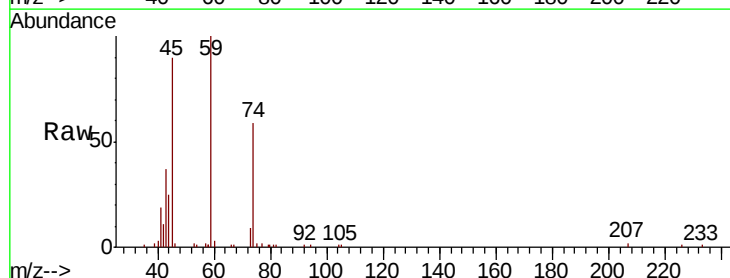
Acq: 22 Aug 2018 12:58

Tgt Ion: 74 Resp: 14385

Ion Ratio Lower Upper

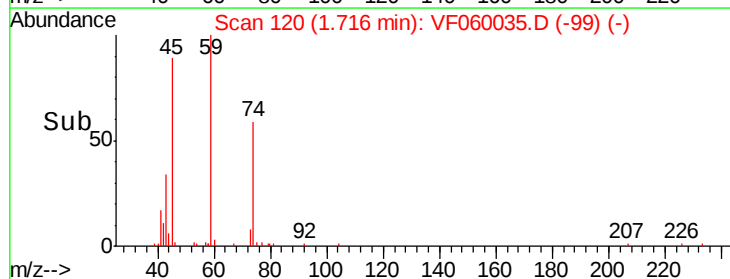
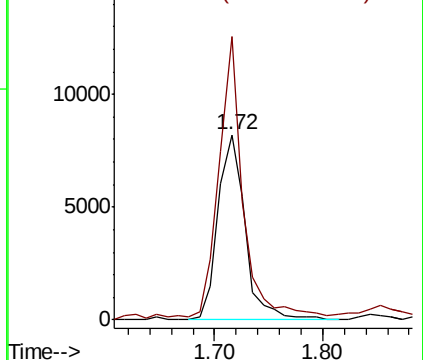
74 100

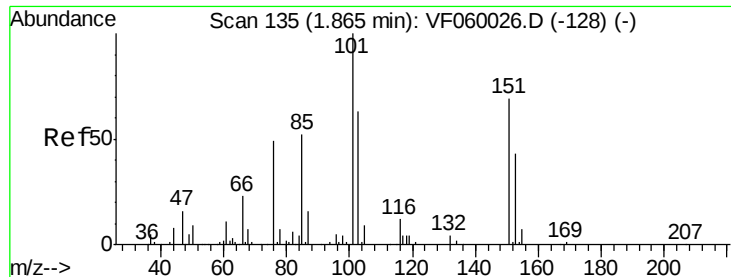
45 153.1 66.0 198.0



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: 22.034 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

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VF0822SBSD01

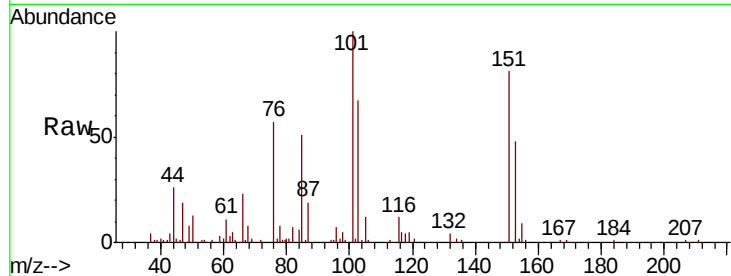
Tgt Ion:101 Resp: 40203

Ion Ratio Lower Upper

101 100

85 50.6 41.5 62.3

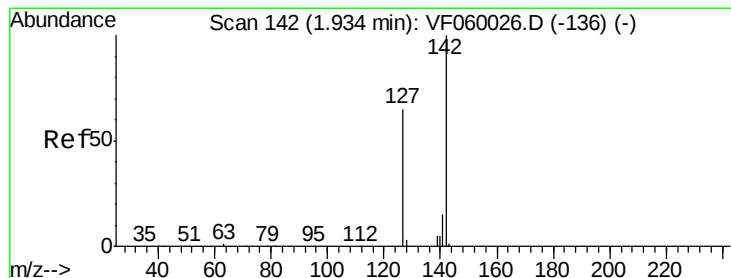
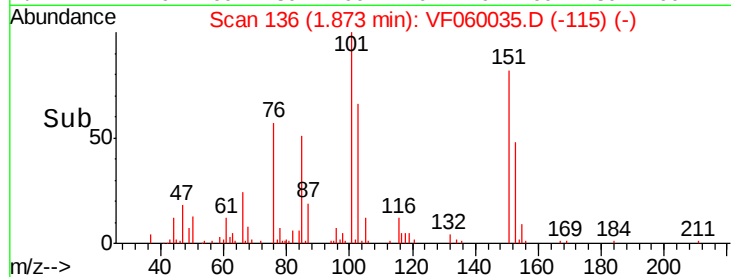
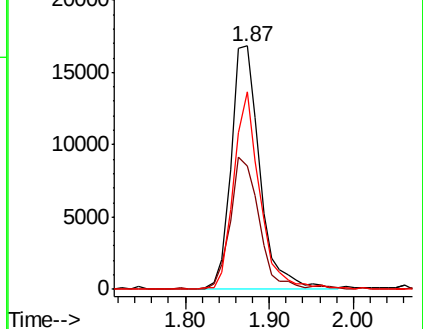
151 81.2 55.2 82.8



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: 24.239 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

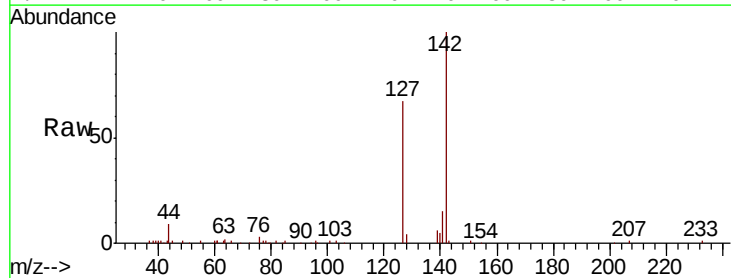
Tgt Ion:142 Resp: 58474

Ion Ratio Lower Upper

142 100

127 67.5 51.8 77.6

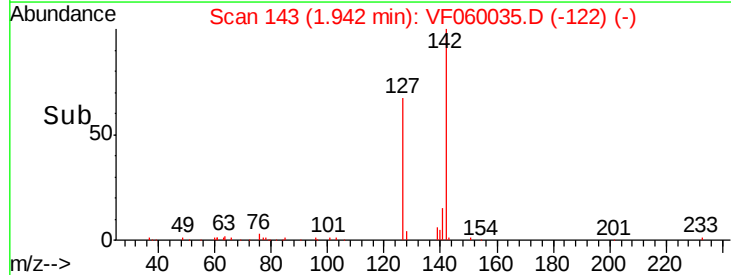
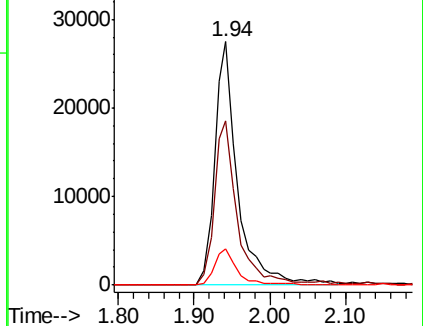
141 14.7 11.9 17.9

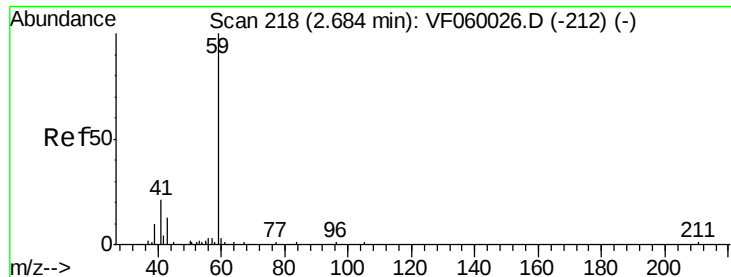


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



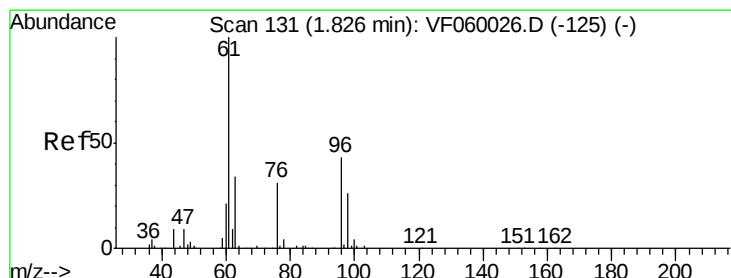
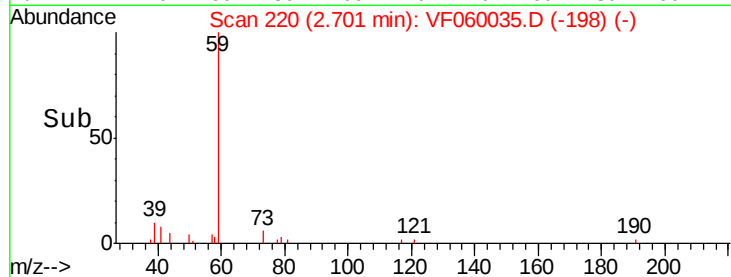
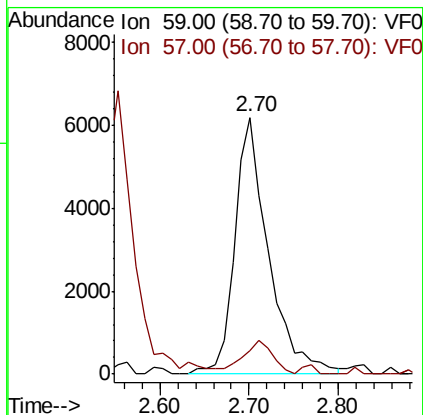
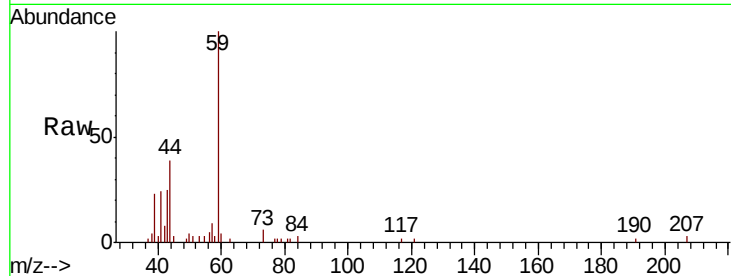


#11

Tert butyl alcohol
 Concen: 105.962 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

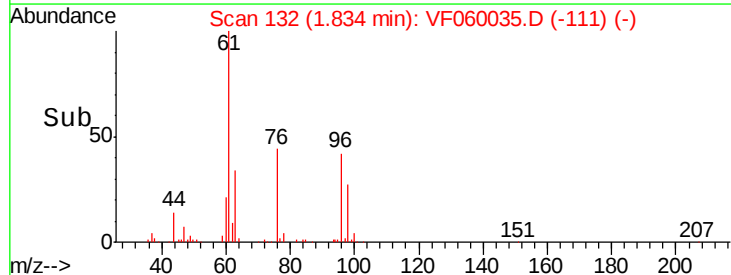
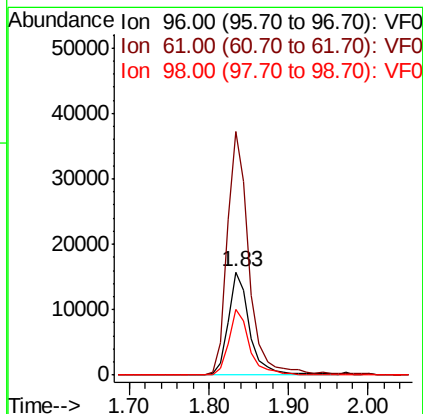
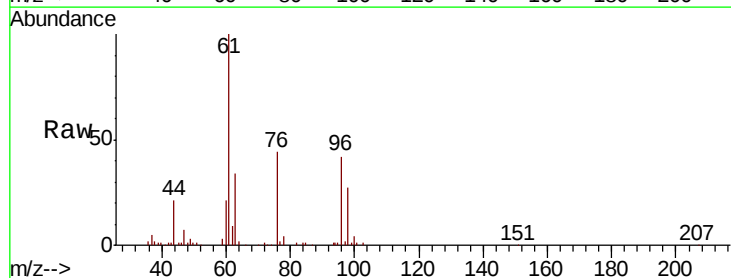
Tgt Ion: 59 Resp: 16315
 Ion Ratio Lower Upper
 59 100
 57 9.2 5.4 8.2#

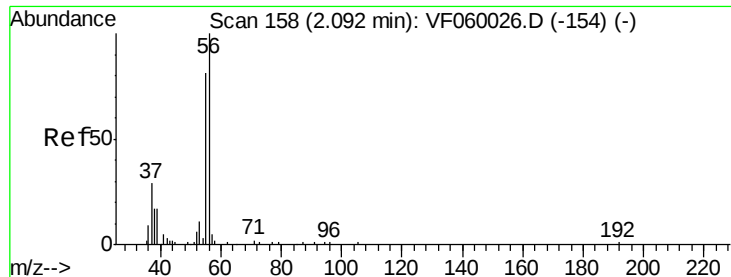


#12

1,1-Dichloroethene
 Concen: 22.316 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: 81.994 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 :

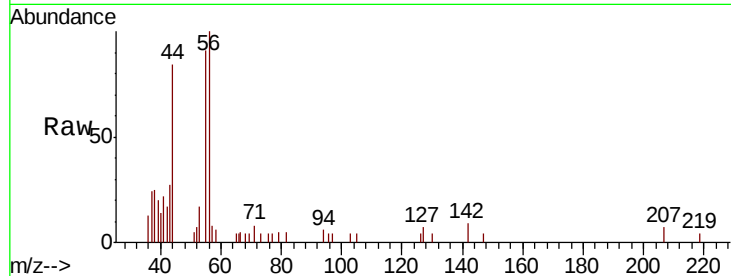
VF0822SBS01

Tgt Ion: 56 Resp: 5853

Ion Ratio Lower Upper

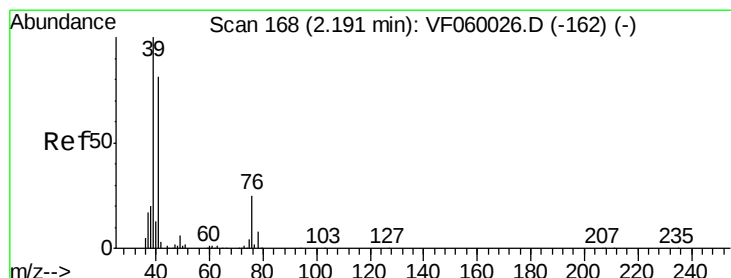
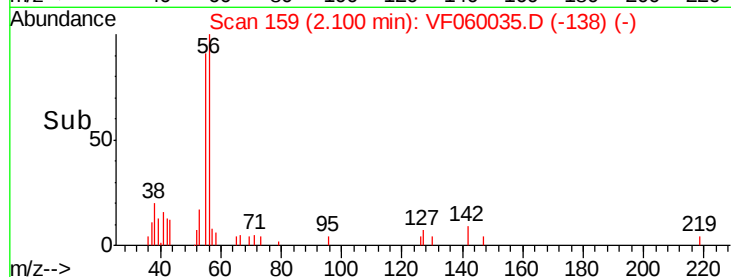
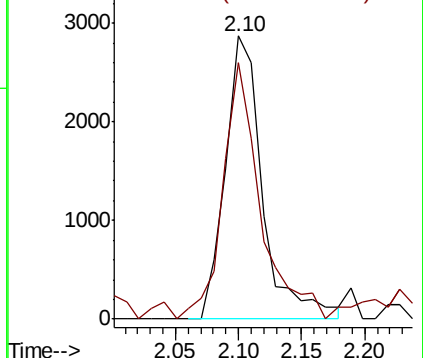
56 100

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: 23.297 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

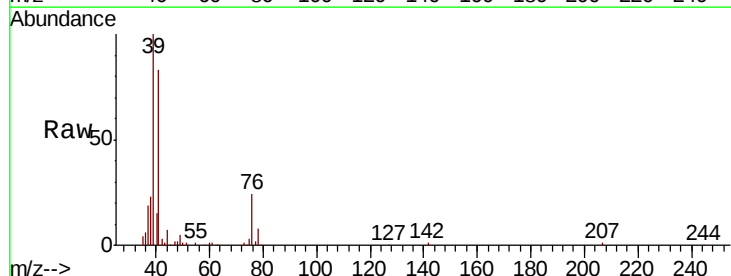
Tgt Ion: 41 Resp: 55621

Ion Ratio Lower Upper

41 100

39 120.0 99.3 148.9

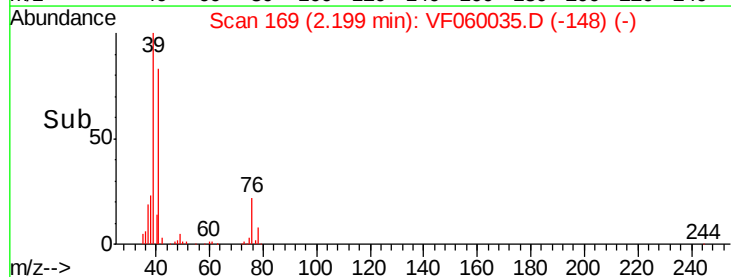
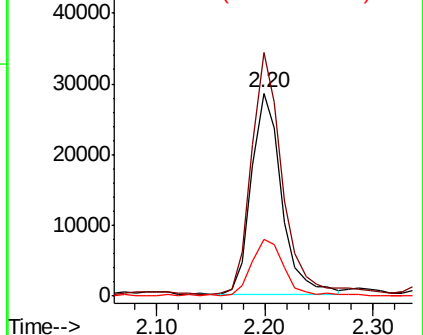
76 28.2 24.3 36.5

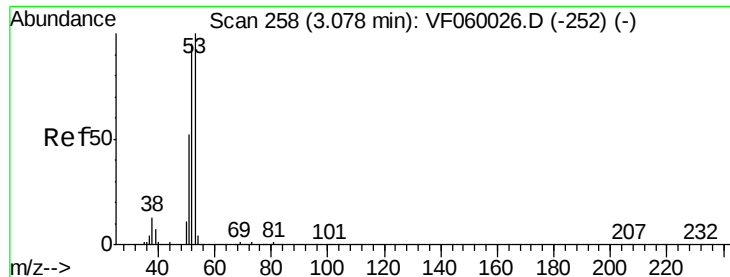


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 109.690 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

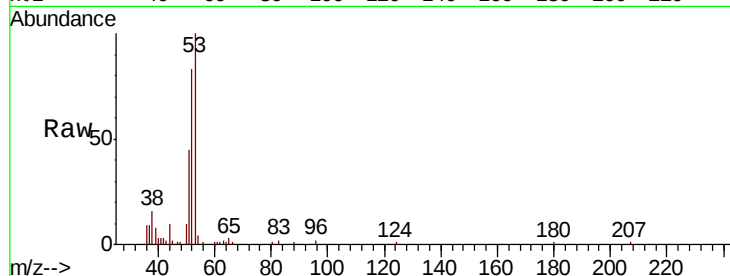
Tgt Ion: 53 Resp: 33329

Ion Ratio Lower Upper

53 100

52 83.0 75.8 113.8

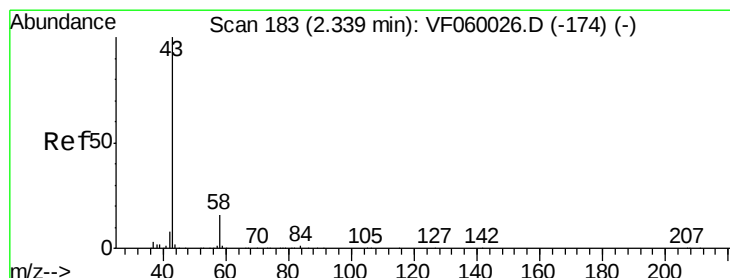
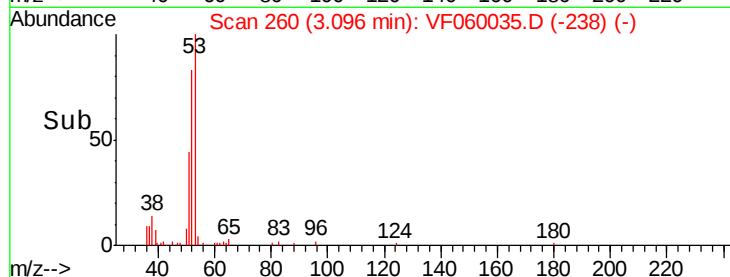
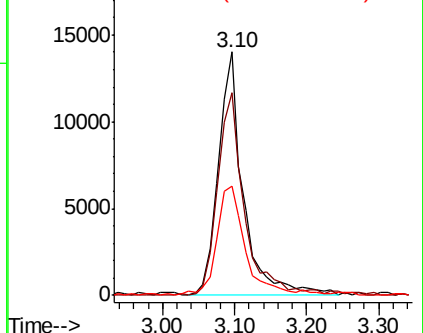
51 44.7 42.1 63.1



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: 112.225 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF060035.D

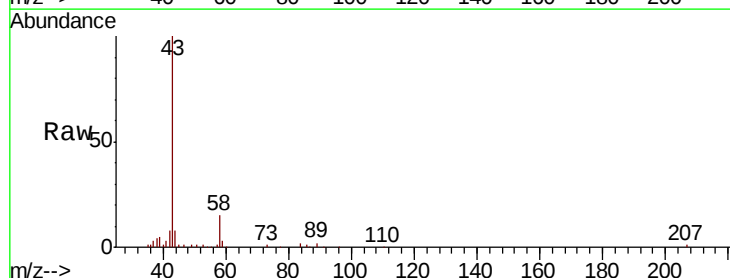
Acq: 22 Aug 2018 12:58

Tgt Ion: 43 Resp: 85365

Ion Ratio Lower Upper

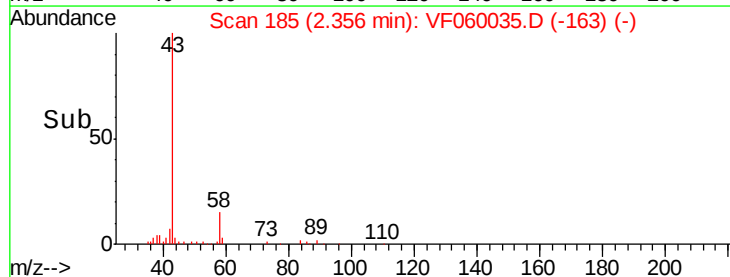
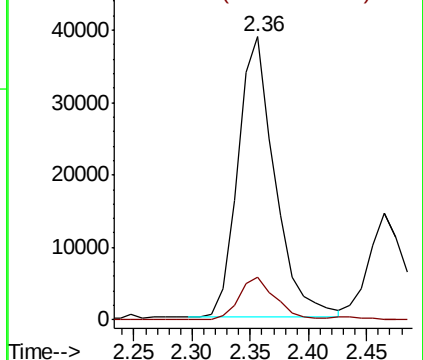
43 100

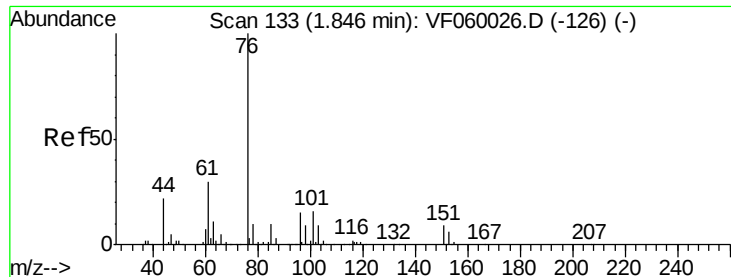
58 15.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

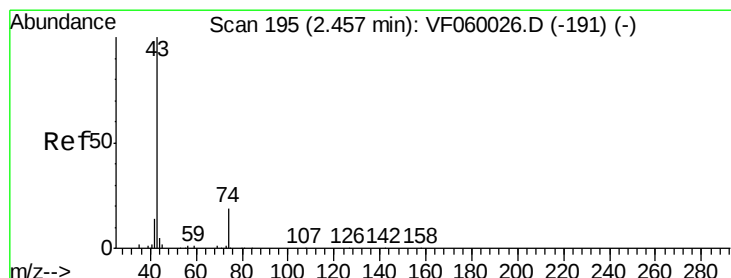
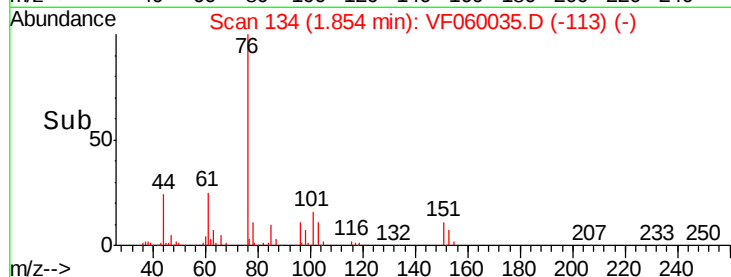
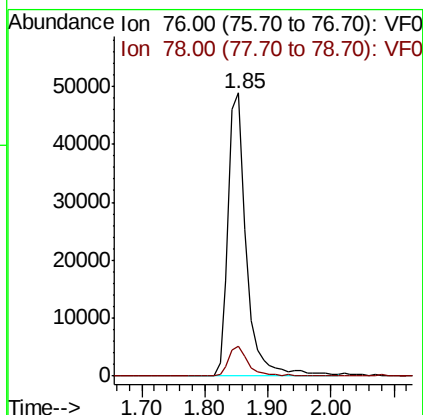
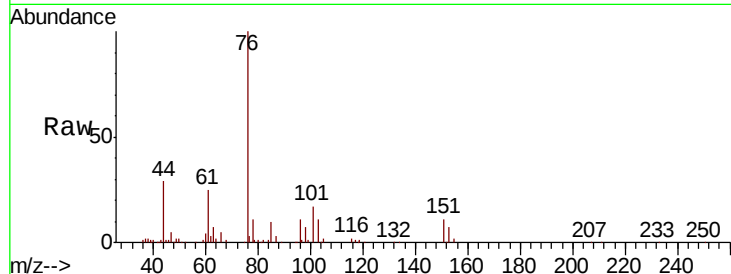




#17
Carbon Disulfide
Concen: 23.289 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

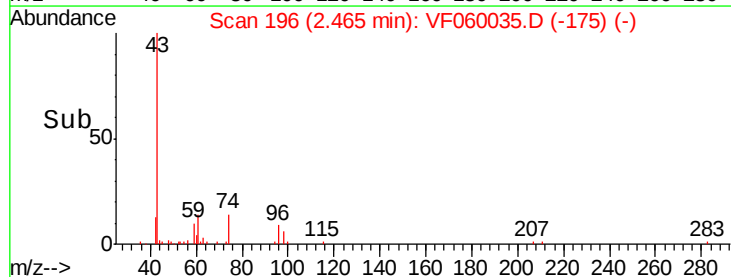
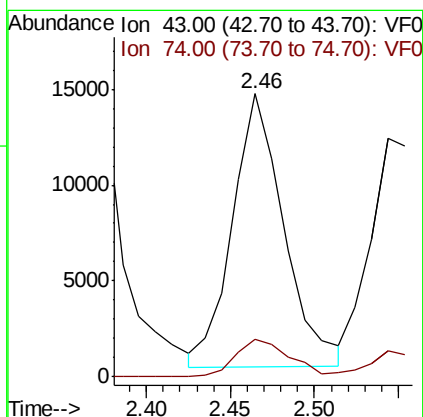
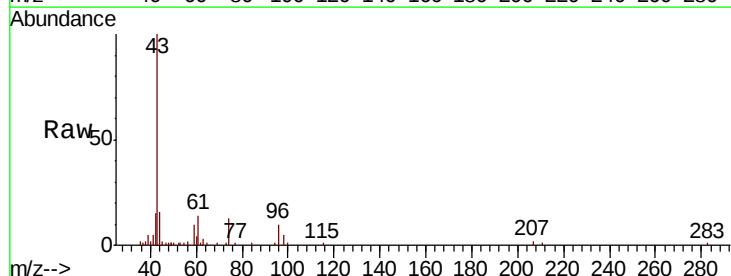
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

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



#18
Methyl Acetate
Concen: 21.005 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#

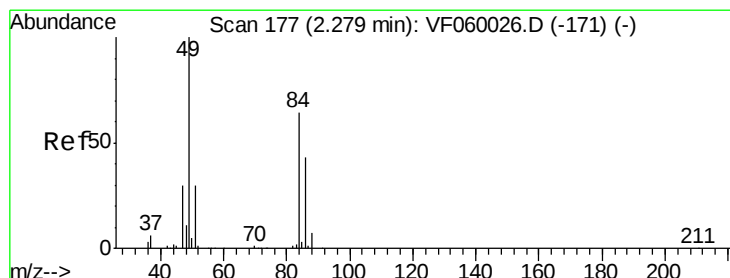
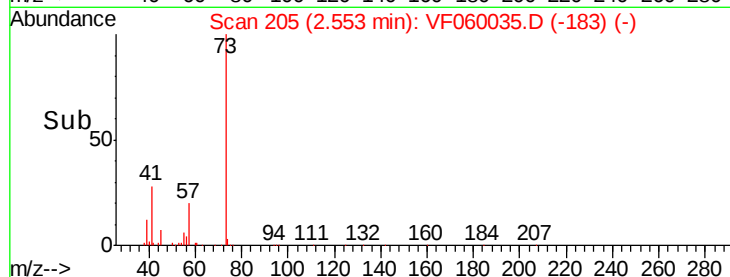
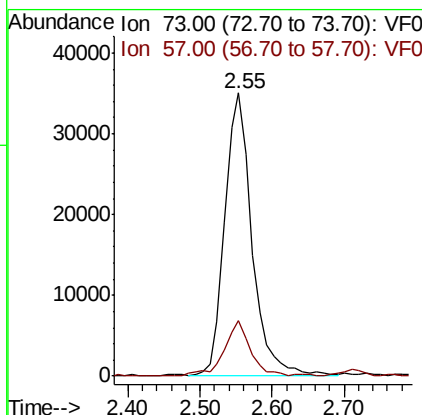
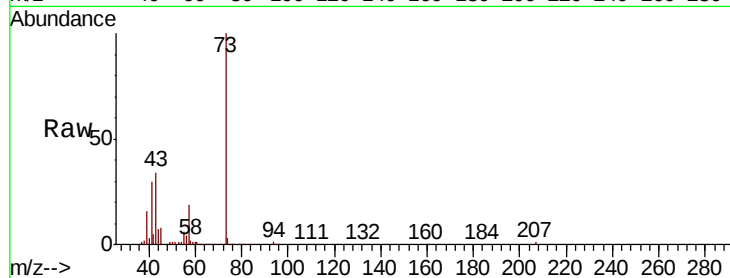




#19
Methyl tert-butyl Ether
Concen: 21.500 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

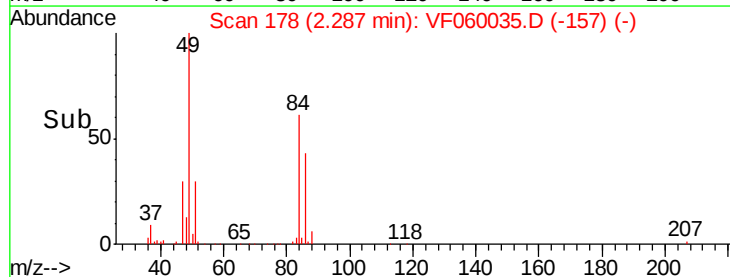
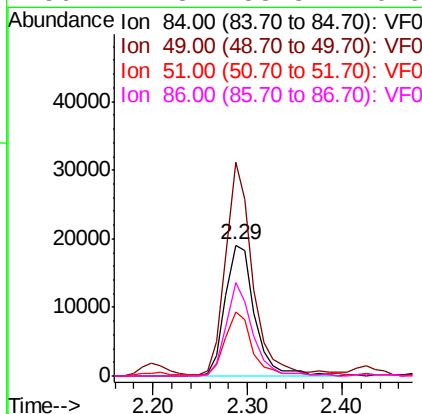
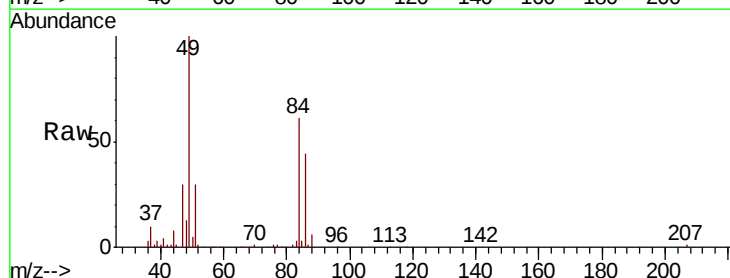
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

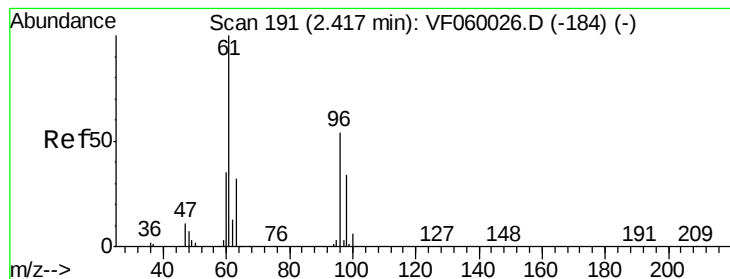
Tgt Ion: 73 Resp: 92599
Ion Ratio Lower Upper
73 100
57 19.5 13.7 20.5



#20
Methylene Chloride
Concen: 24.921 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: 20.876 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

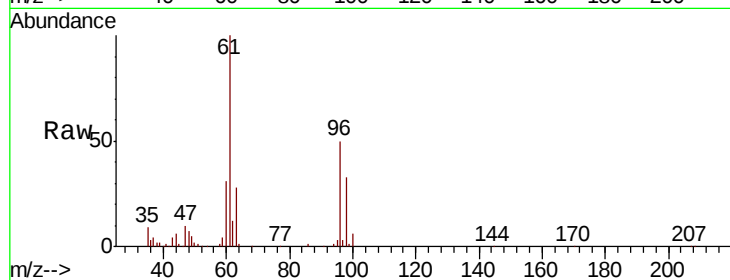
Tgt Ion: 96 Resp: 31401

Ion Ratio Lower Upper

96 100

61 200.9 147.4 221.0

98 66.0 49.8 74.6

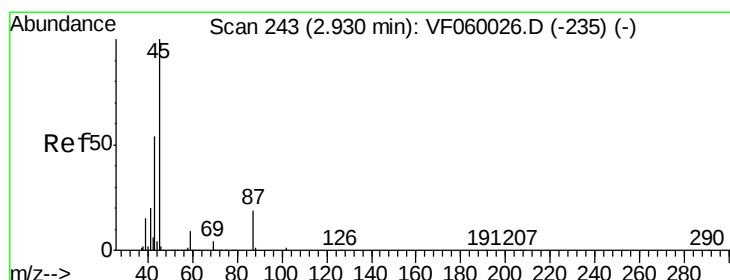
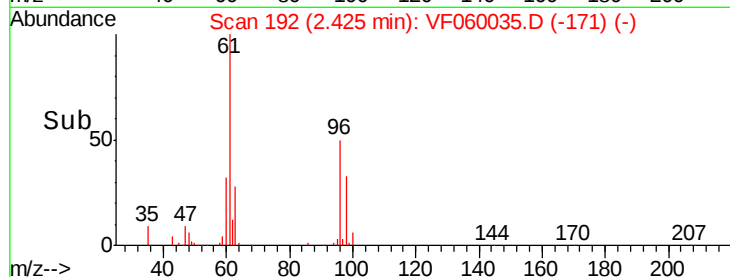
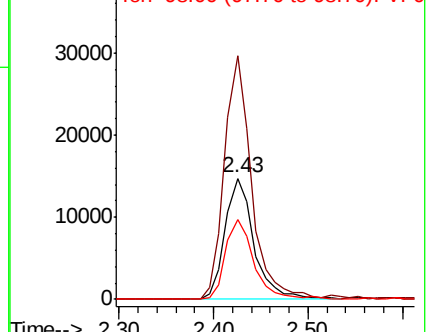


Abundance

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: 20.512 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

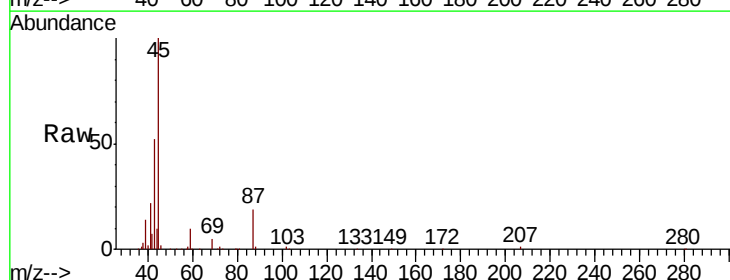
Ion Ratio Lower Upper

45 100

43 52.1 43.4 65.2

87 18.9 15.4 23.2

59 10.1 7.5 11.3



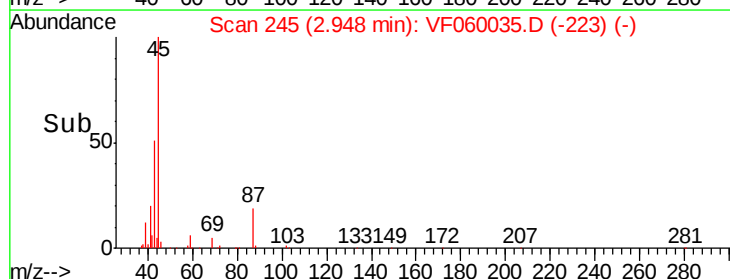
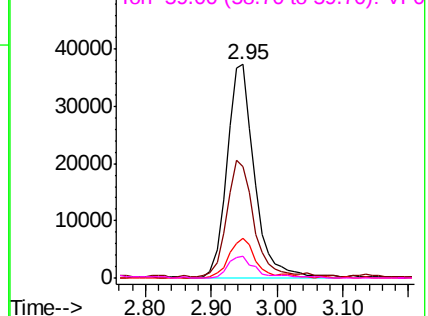
Abundance

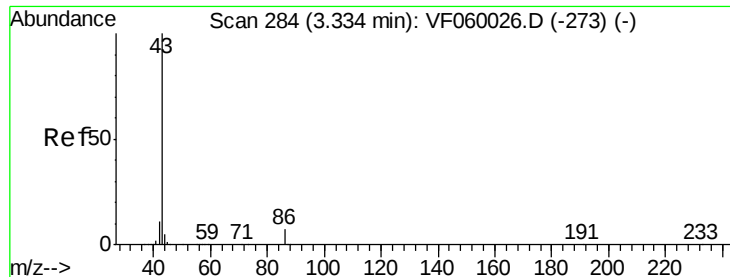
Ion 45.00 (44.70 to 45.70): VF0

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: 121.771 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 :

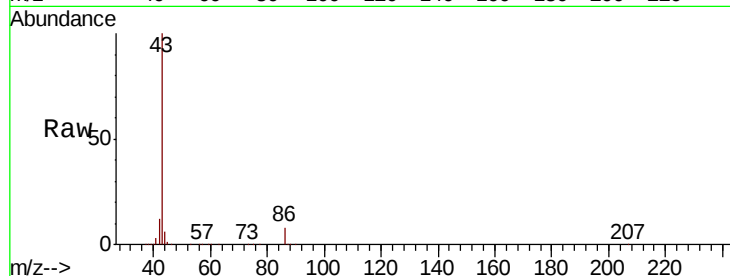
VF0822SBS01

Tgt 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

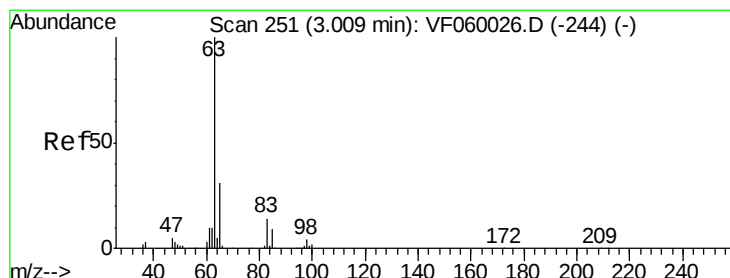
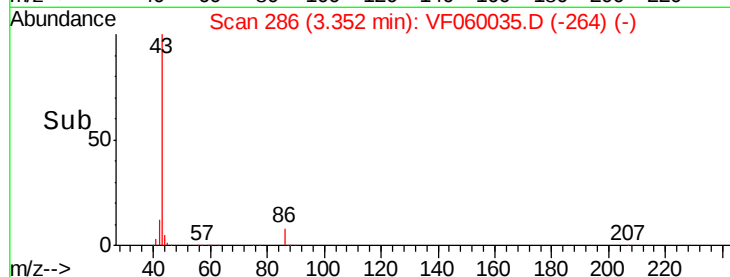
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.444 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

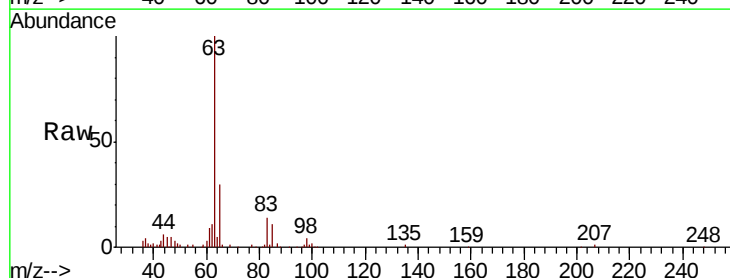
Tgt Ion: 63 Resp: 70821

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

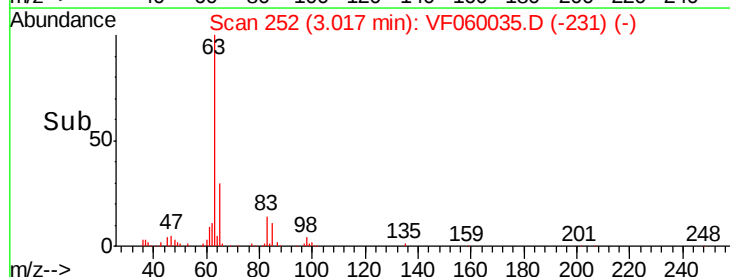
30000

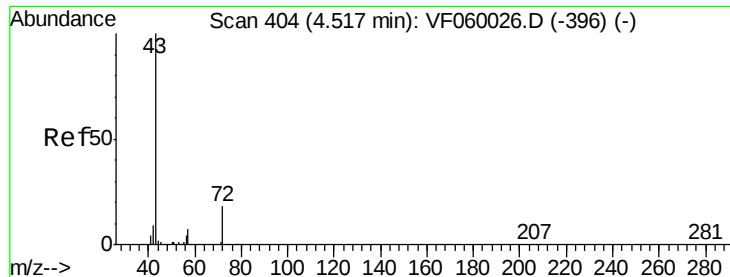
20000

10000

0

Time-->





#25

2-Butanone

Concen: 115.860 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 :

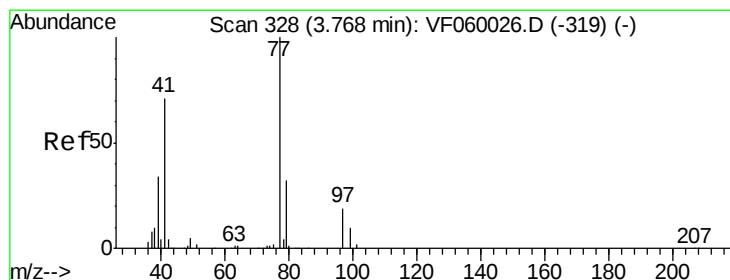
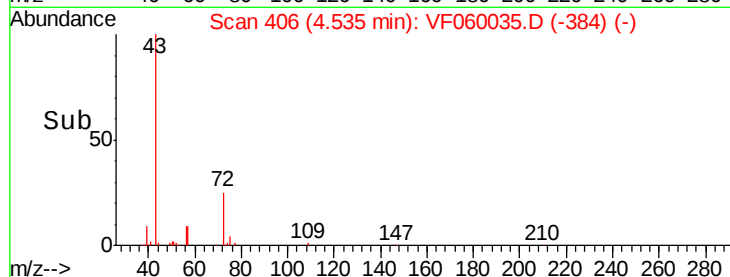
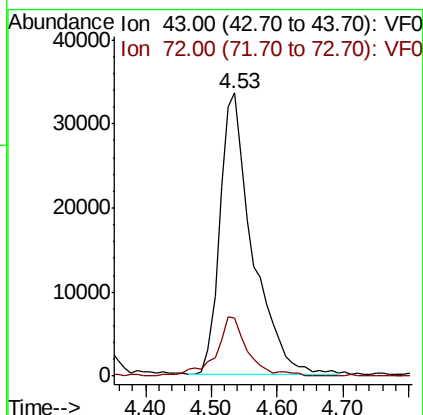
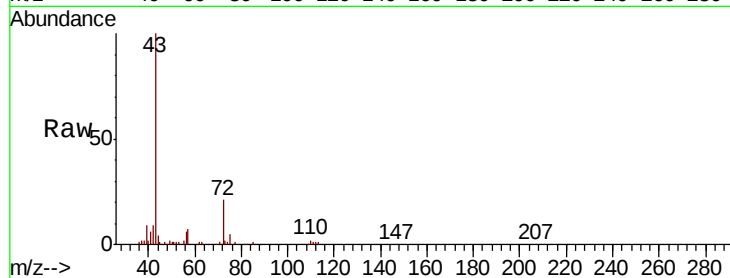
VF0822SBSD01

Tgt Ion: 43 Resp: 114475

Ion Ratio Lower Upper

43 100

72 20.5 15.0 22.6



#26

2,2-Dichloropropane

Concen: 22.864 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.02 min

Lab File: VF060035.D

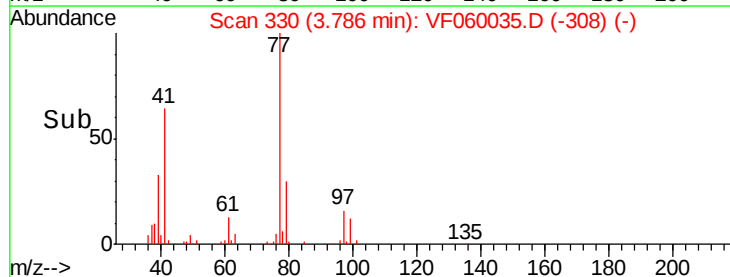
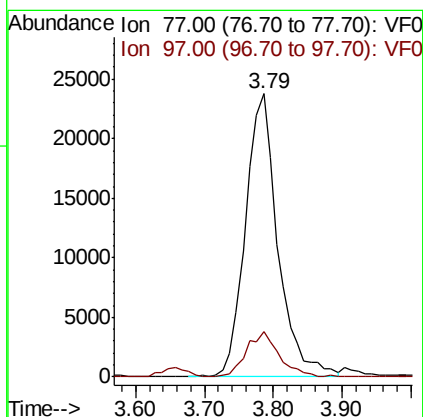
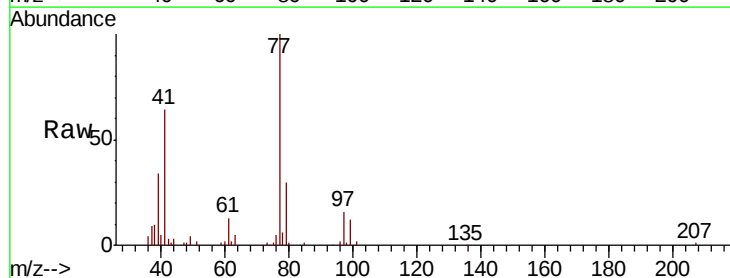
Acq: 22 Aug 2018 12:58

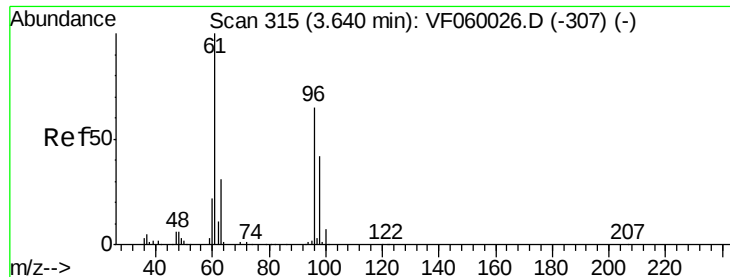
Tgt Ion: 77 Resp: 78123

Ion Ratio Lower Upper

77 100

97 16.0 9.7 29.1



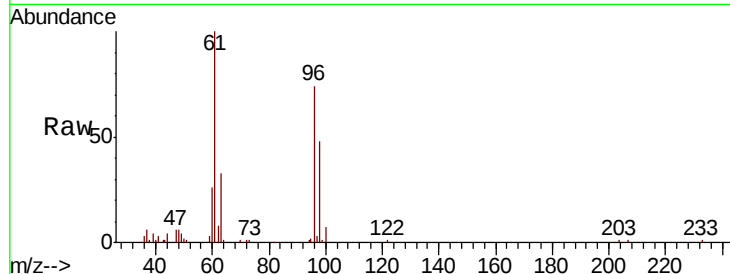


#27

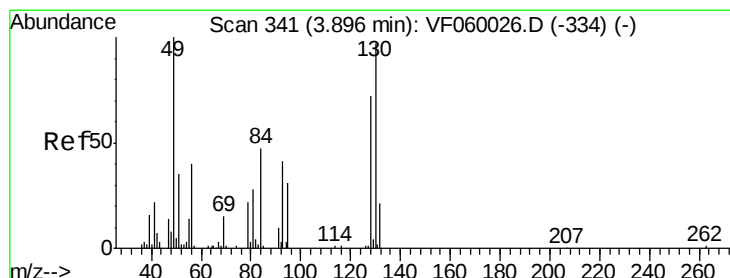
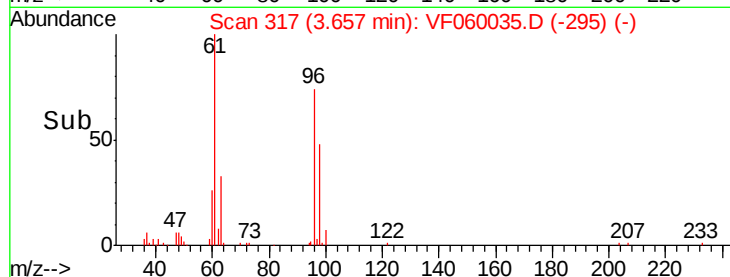
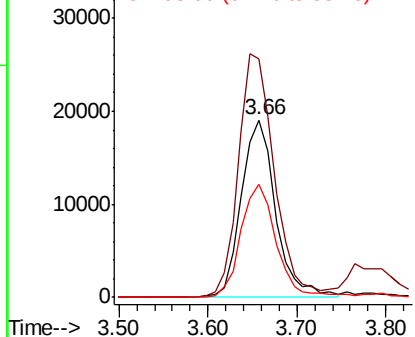
cis-1,2-Dichloroethene
 Concen: 23.872 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

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



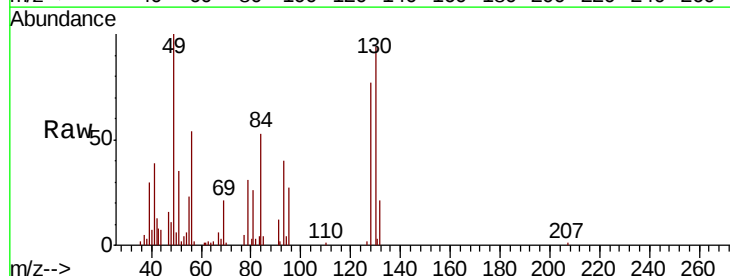
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



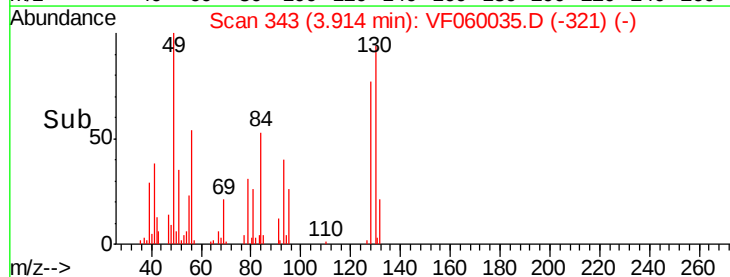
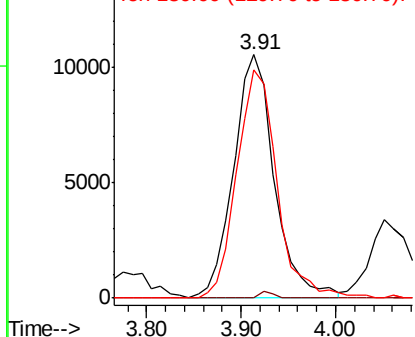
#28

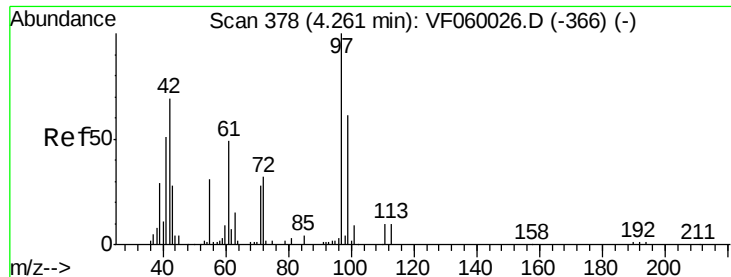
Bromochloromethane
 Concen: 22.655 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

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: 111.055 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

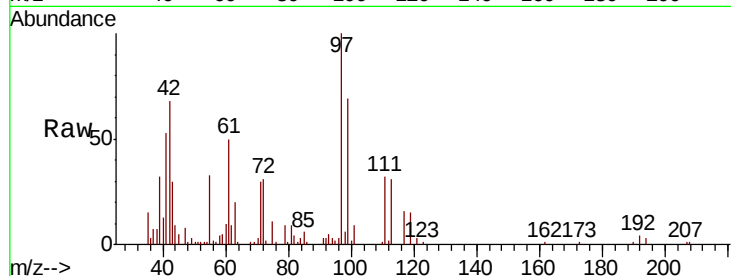
Tgt Ion: 42 Resp: 41428

Ion Ratio Lower Upper

42 100

72 40.8 31.4 47.2

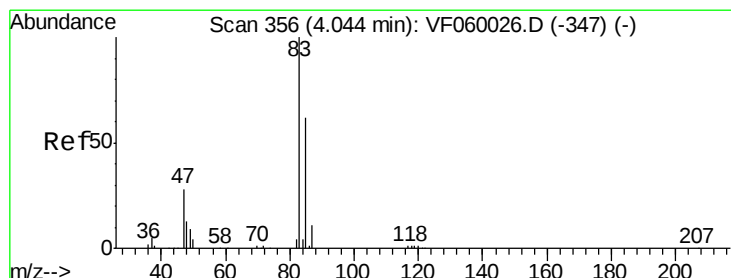
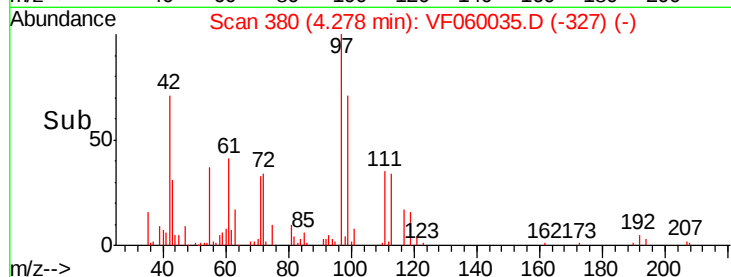
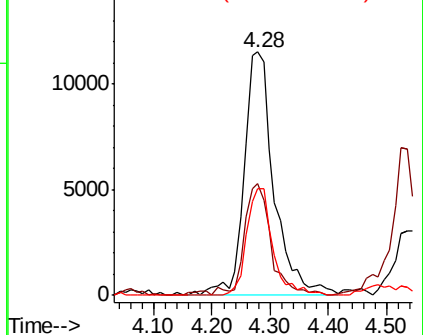
71 38.4 29.7 44.5



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: 21.795 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF060035.D

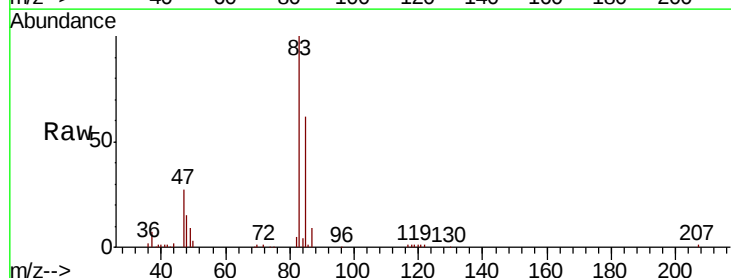
Acq: 22 Aug 2018 12:58

Tgt Ion: 83 Resp: 101037

Ion Ratio Lower Upper

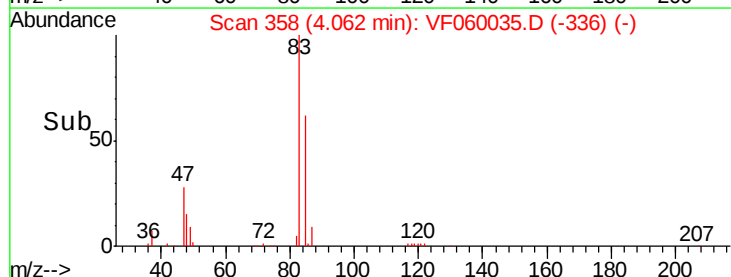
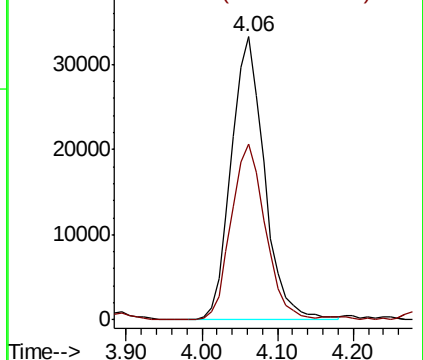
83 100

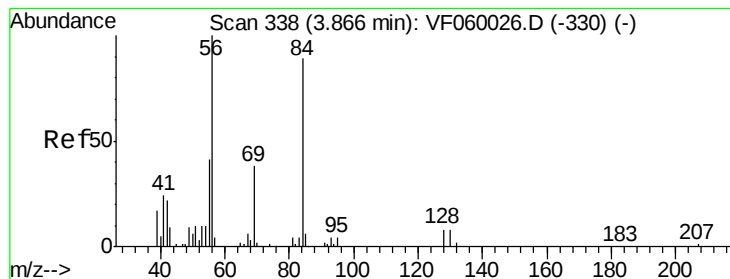
85 62.1 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 23.732 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

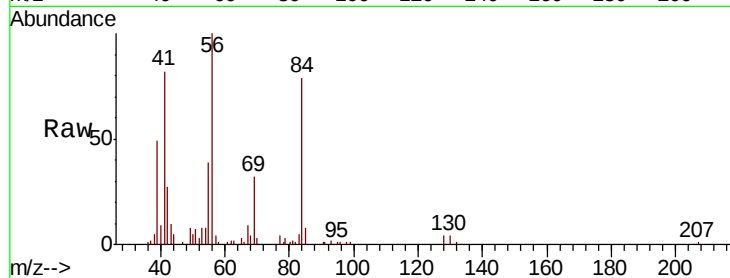
Tgt Ion: 56 Resp: 59721

Ion Ratio Lower Upper

56 100

69 32.4 30.4 45.6

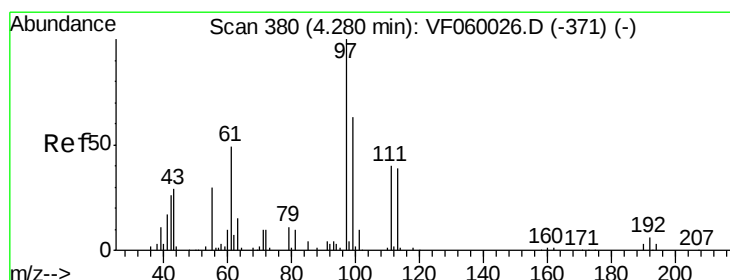
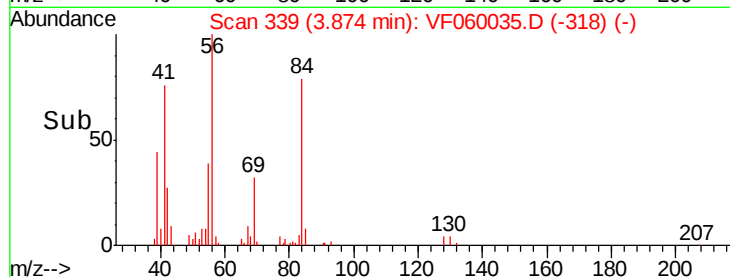
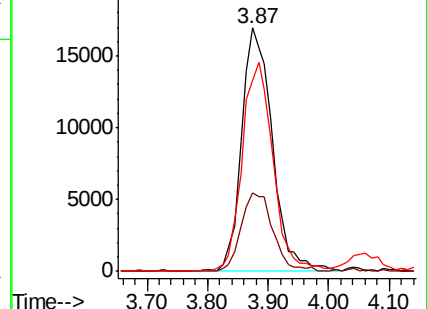
84 78.5 71.4 107.2



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: 22.130 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

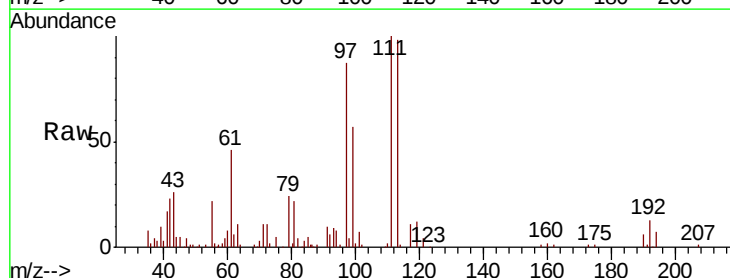
Tgt Ion: 97 Resp: 87853

Ion Ratio Lower Upper

97 100

99 65.7 50.3 75.5

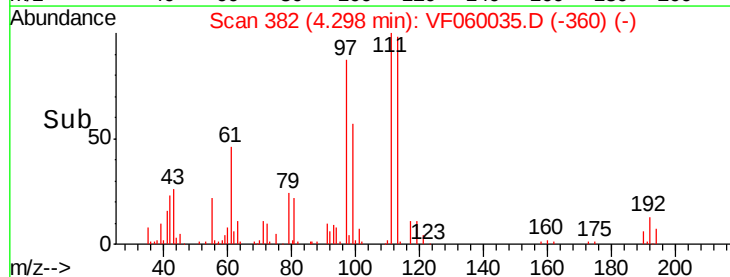
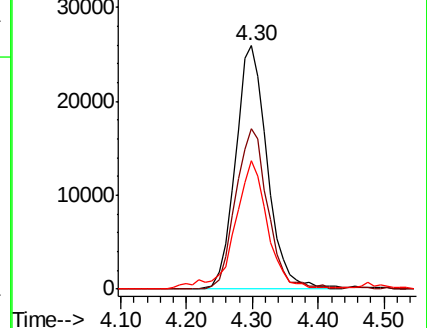
61 52.8 40.3 60.5

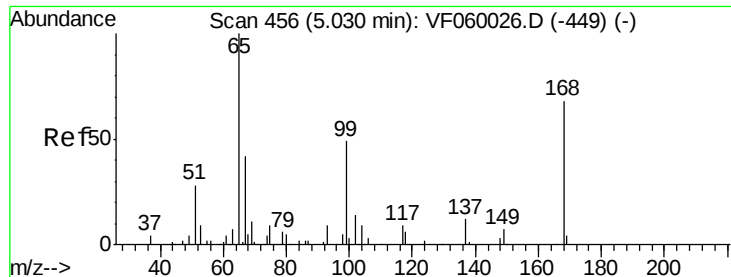


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 49.343 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 :

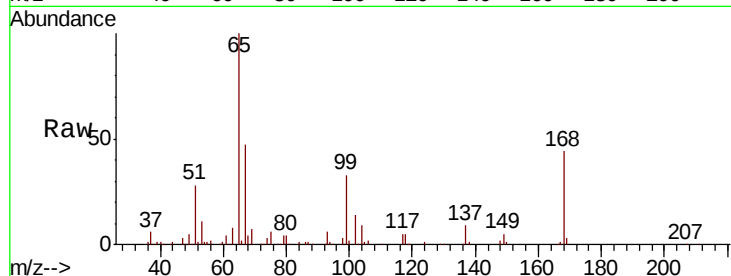
VF0822SBSD01

Tgt Ion: 65 Resp: 142810

Ion Ratio Lower Upper

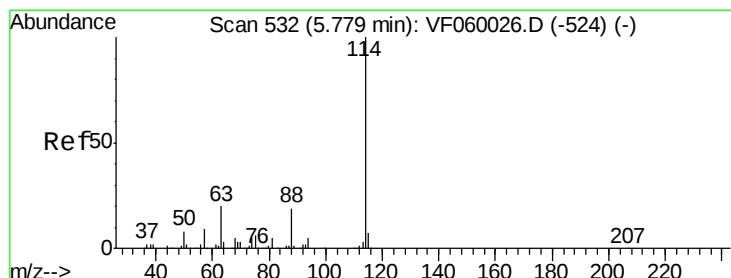
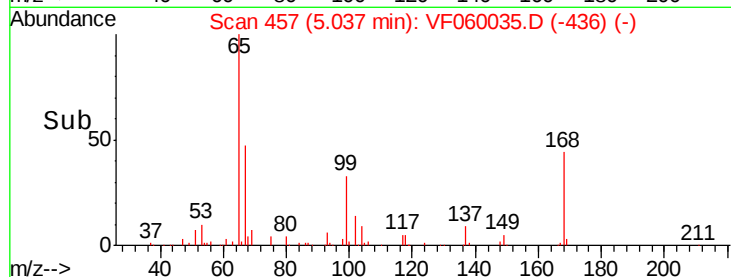
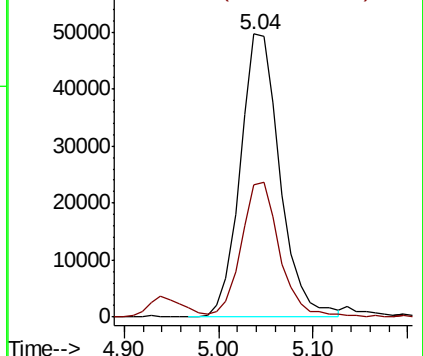
65 100

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: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

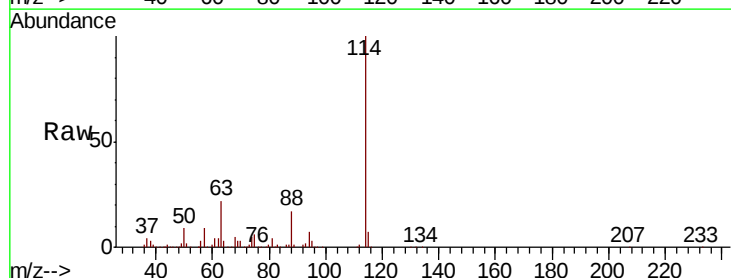
Tgt Ion: 114 Resp: 326510

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.4

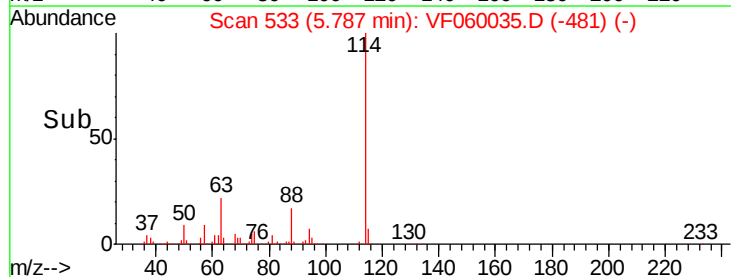
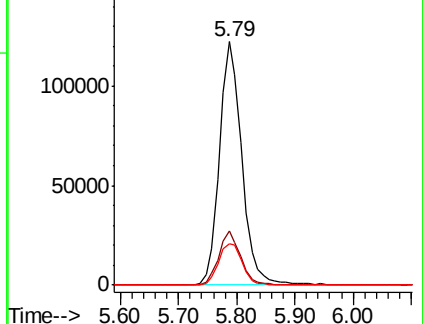
88 17.2 0.0 38.6

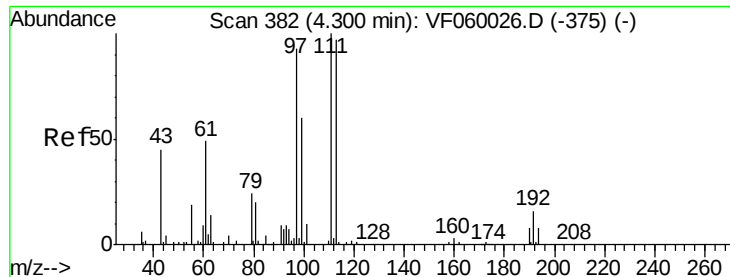


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

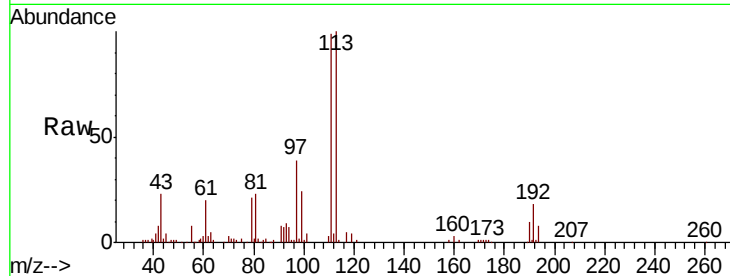




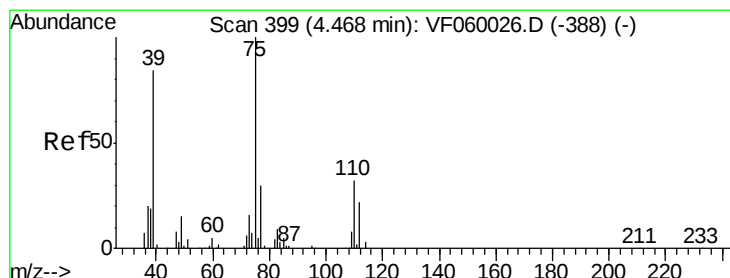
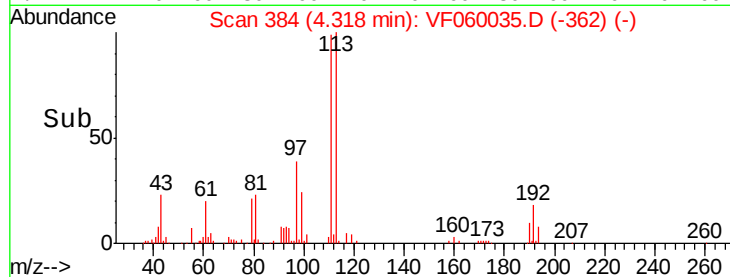
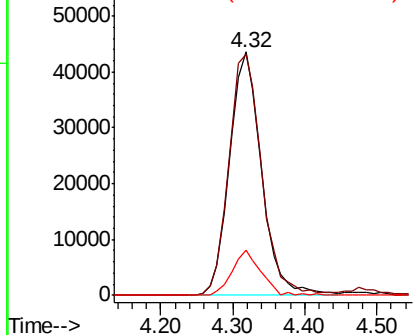
#35
 Dibromofluoromethane
 Concen: 52.554 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tgt Ion: 113 Resp: 134745
 Ion Ratio Lower Upper
 113 100
 111 99.2 82.7 124.1
 192 18.8 13.0 19.4

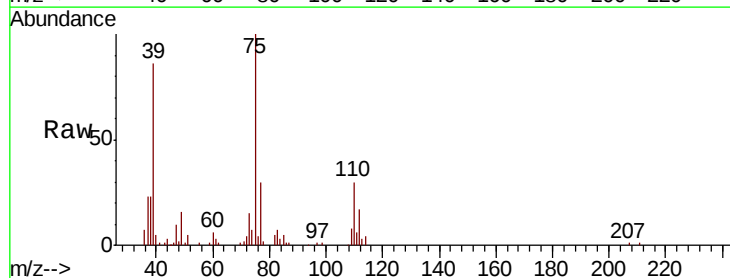


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

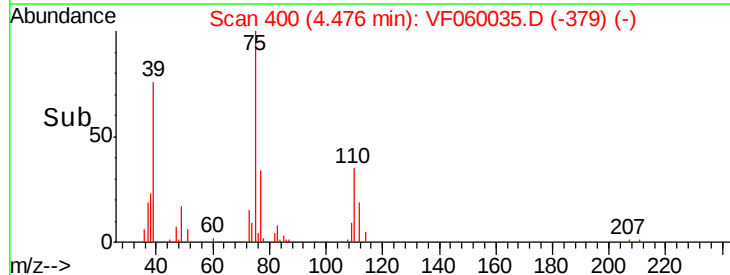
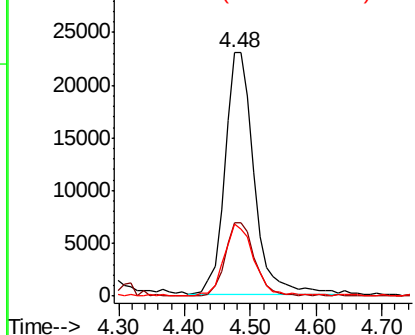


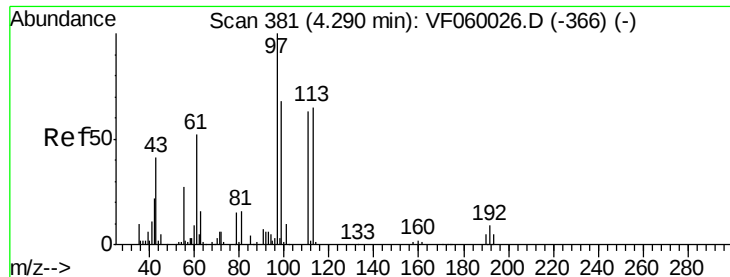
#36
 1,1-Dichloropropene
 Concen: 23.300 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

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

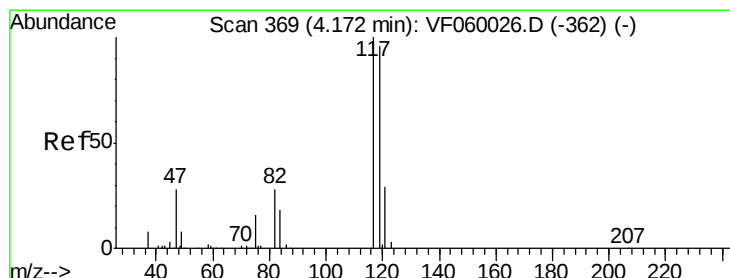
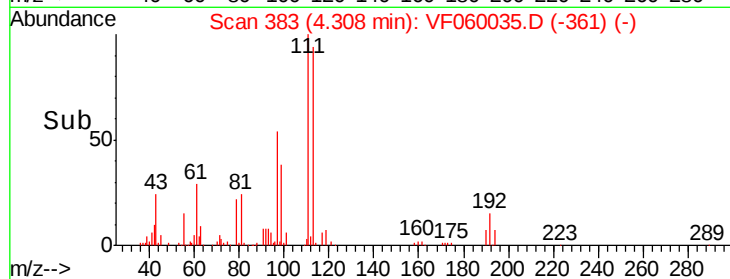
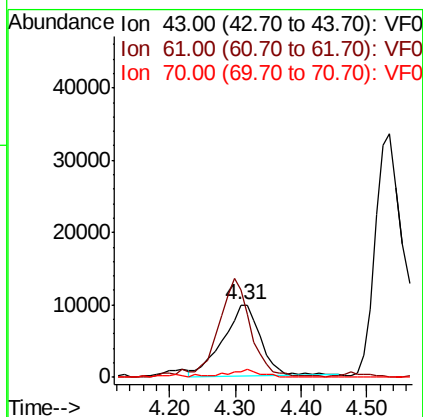
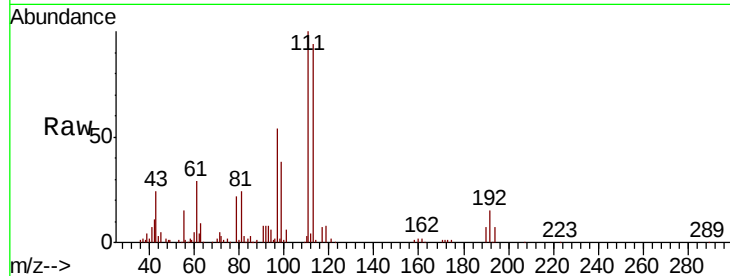




#37
Ethyl Acetate
Concen: 21.250 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

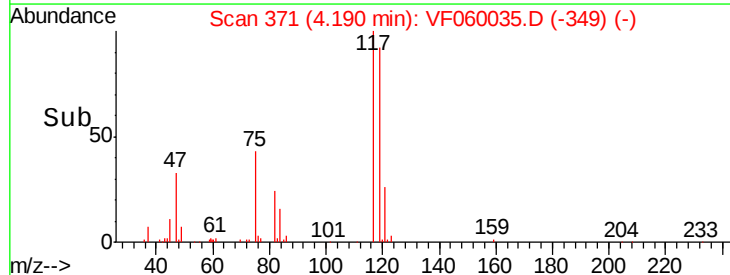
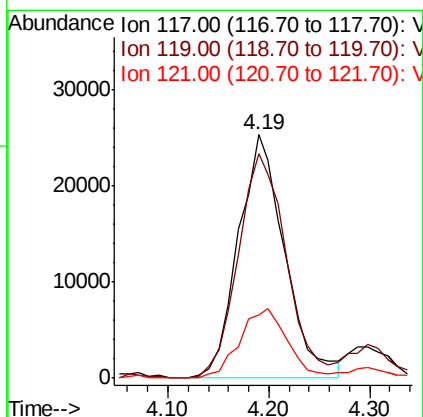
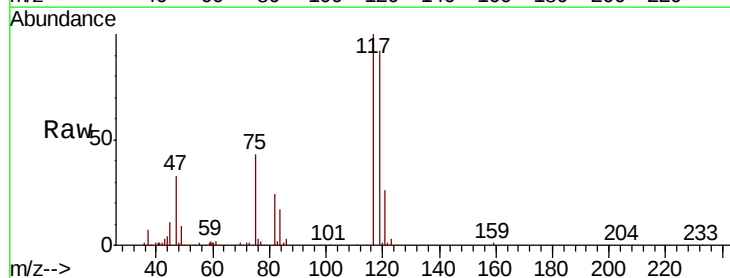
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

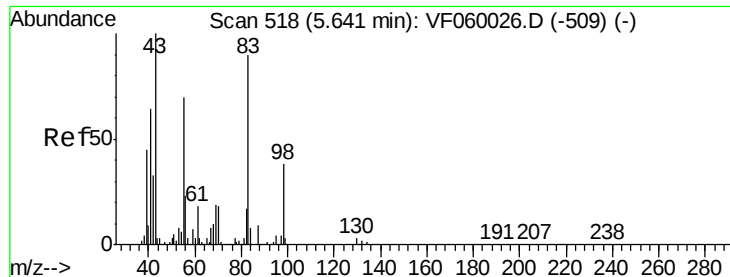
Tgt Ion: 43 Resp: 38995
Ion Ratio Lower Upper
43 100
61 120.2 101.5 152.3
70 7.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 22.868 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

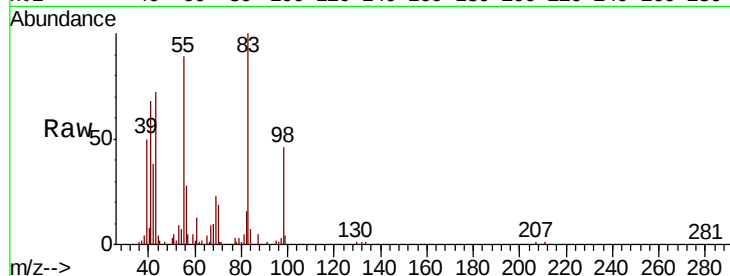




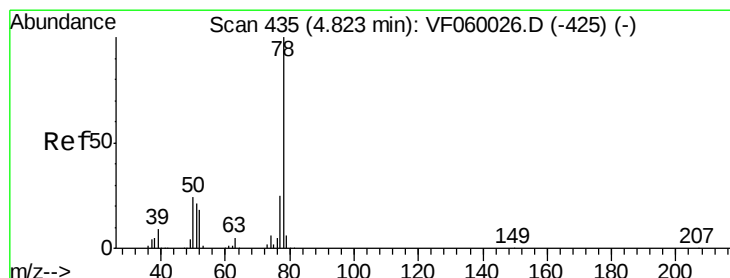
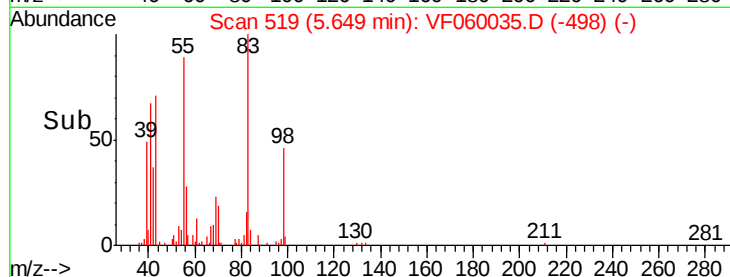
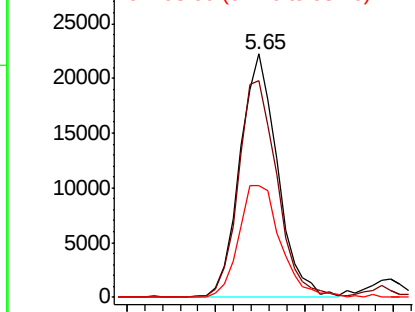
#39
Methylcyclohexane
Concen: 22.647 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

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

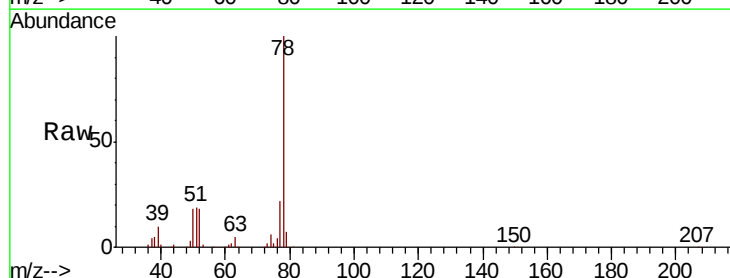


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

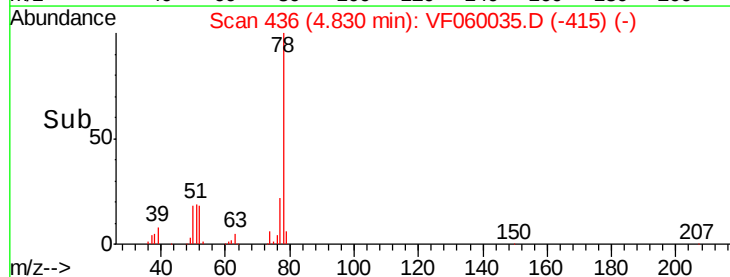
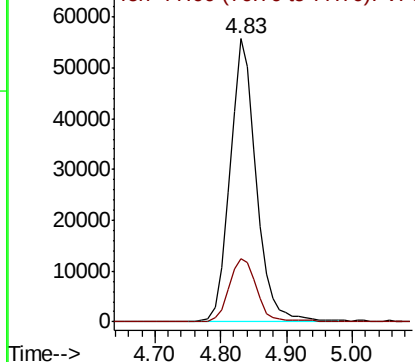


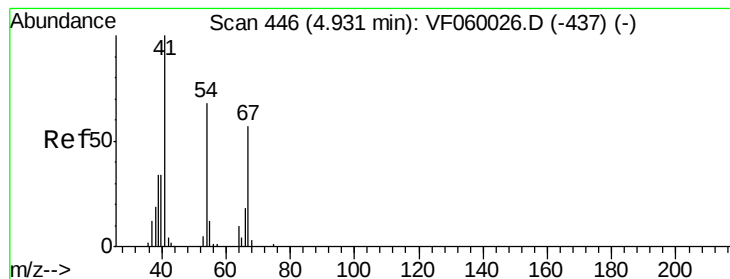
#40
Benzene
Concen: 23.246 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

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: 20.027 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

Tgt Ion: 41 Resp: 18589

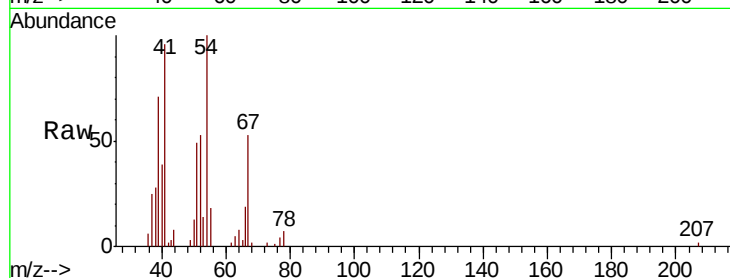
Ion Ratio Lower Upper

41 100

39 73.9 52.9 79.3

67 55.8 45.3 67.9

52 55.7 34.8 52.2#

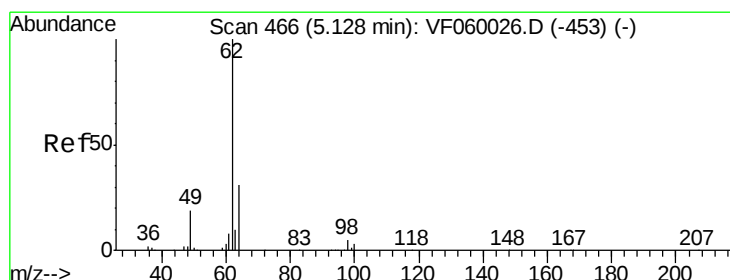
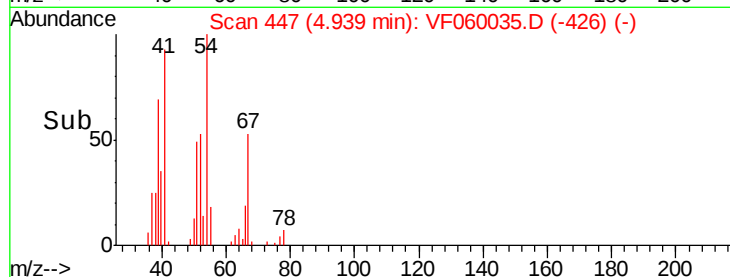
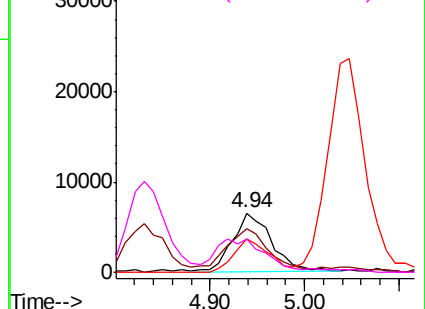


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.939 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF060035.D

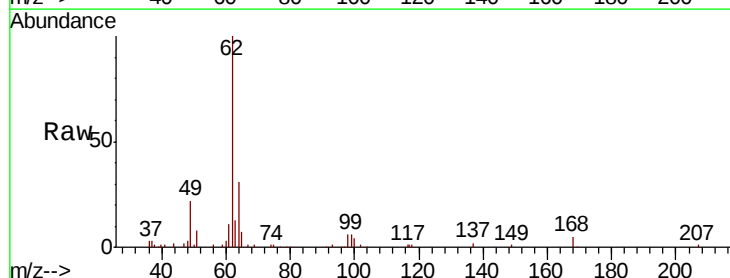
Acq: 22 Aug 2018 12:58

Tgt Ion: 62 Resp: 75254

Ion Ratio Lower Upper

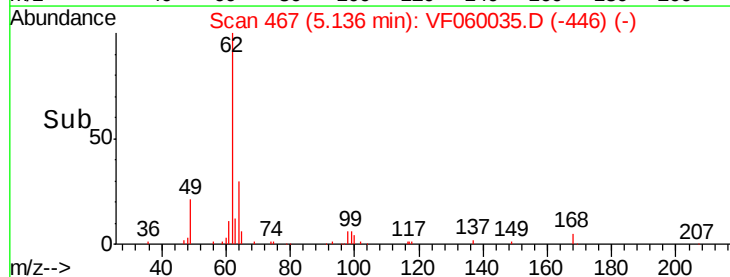
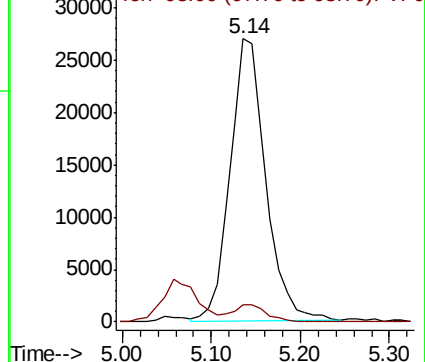
62 100

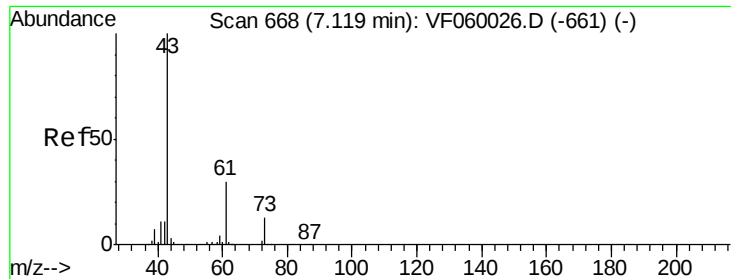
98 6.2 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.836 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 :

VF0822SBSD01

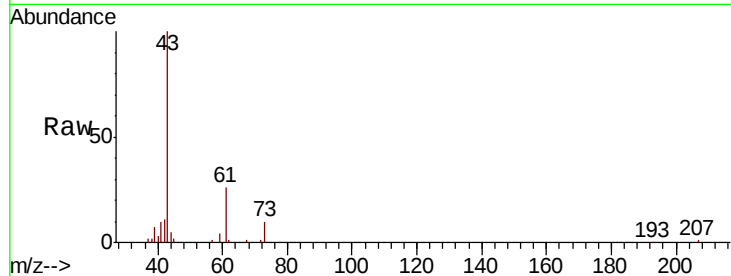
Tgt Ion: 43 Resp: 50433

Ion Ratio Lower Upper

43 100

61 26.4 23.8 35.6

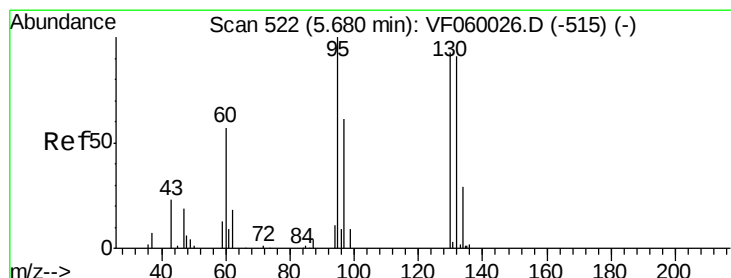
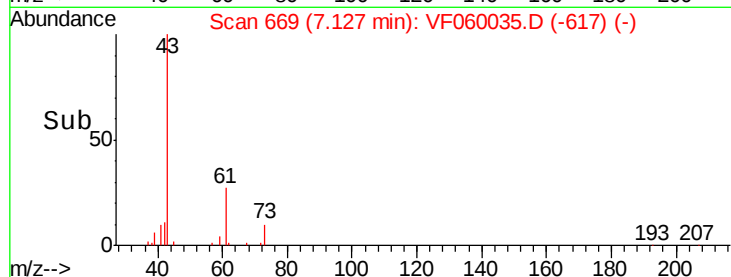
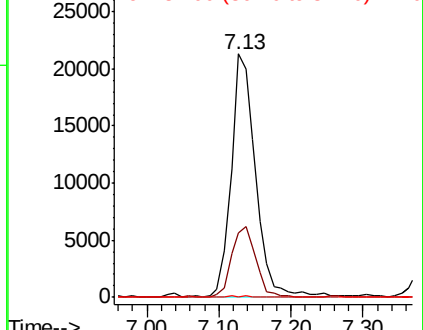
87 0.0 0.2 0.4#



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: 23.224 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.02 min

Lab File: VF060035.D

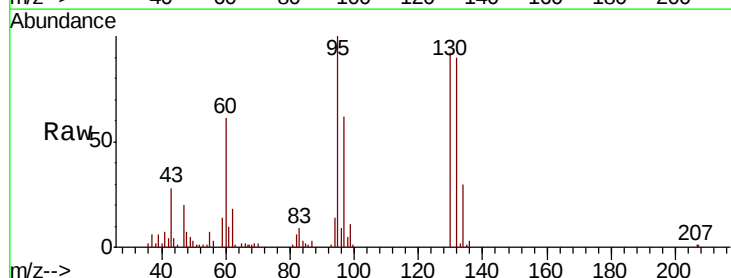
Acq: 22 Aug 2018 12:58

Tgt Ion: 130 Resp: 51460

Ion Ratio Lower Upper

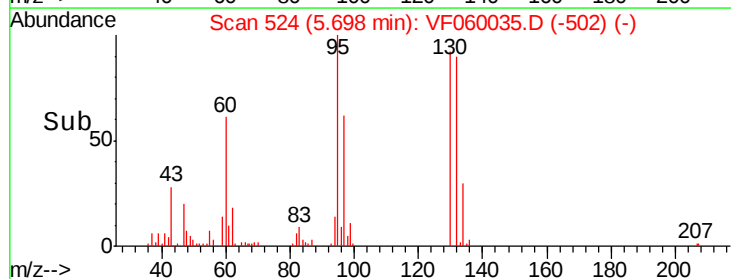
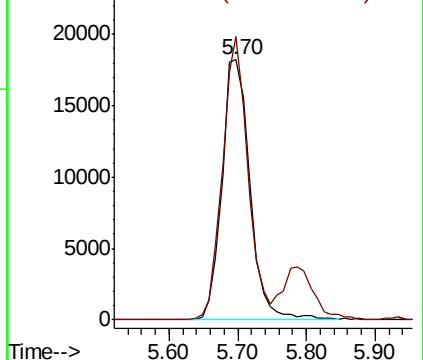
130 100

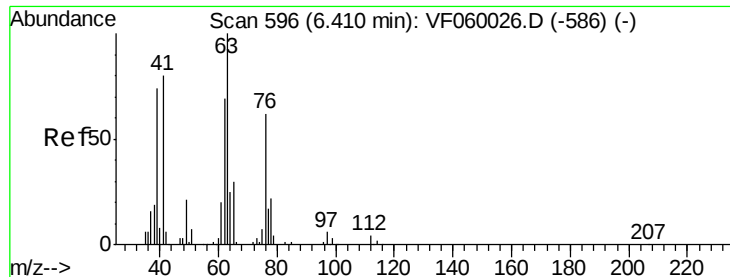
95 108.9 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.969 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 :

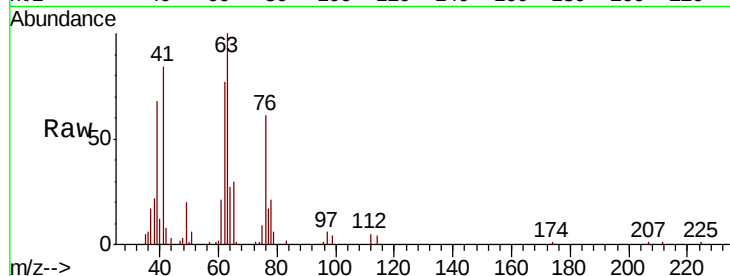
VF0822SBS01

Tgt Ion: 63 Resp: 43548

Ion Ratio Lower Upper

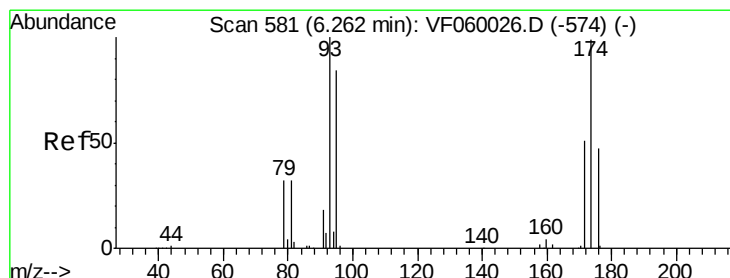
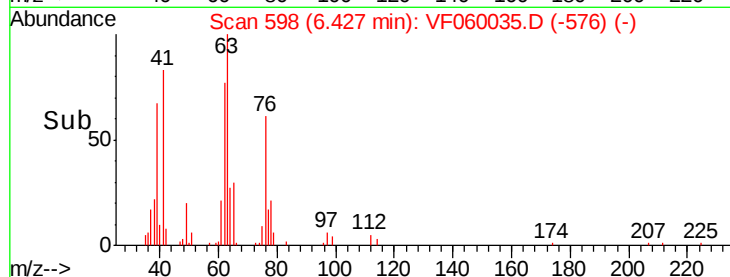
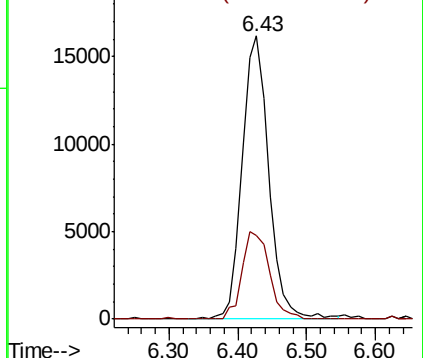
63 100

65 29.8 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.700 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

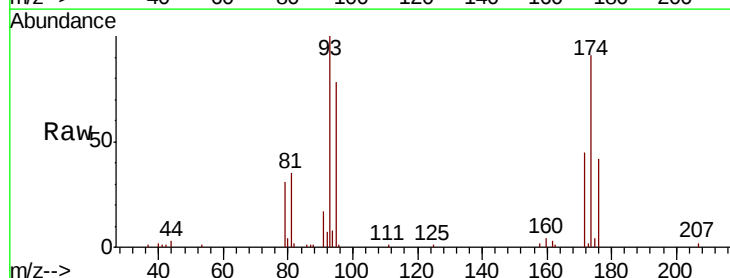
Tgt Ion: 93 Resp: 33677

Ion Ratio Lower Upper

93 100

95 78.1 67.1 100.7

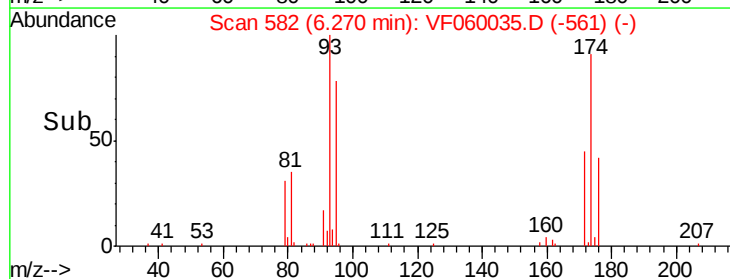
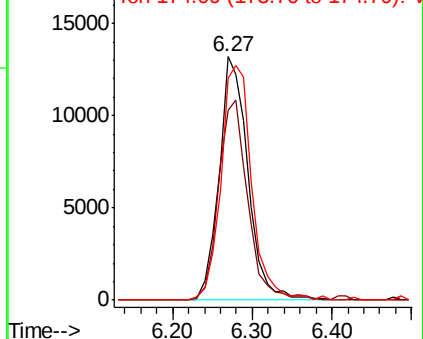
174 91.1 79.0 118.4

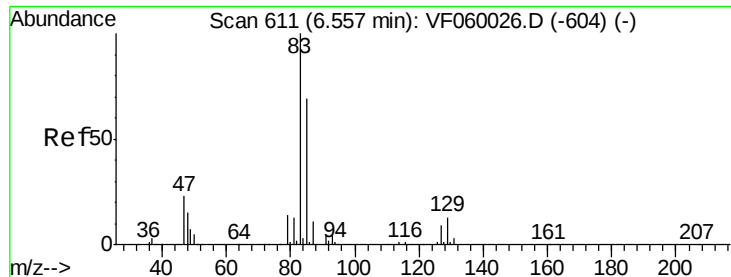


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.757 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

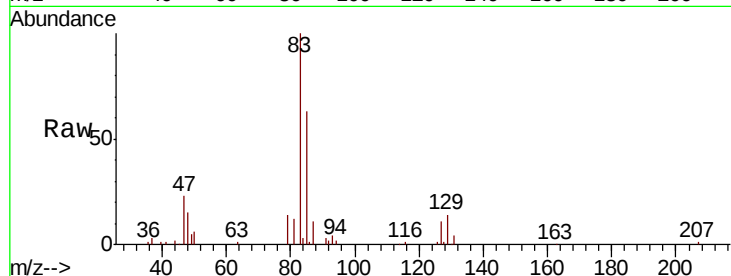
Tgt Ion: 83 Resp: 77964

Ion Ratio Lower Upper

83 100

85 62.7 55.2 82.8

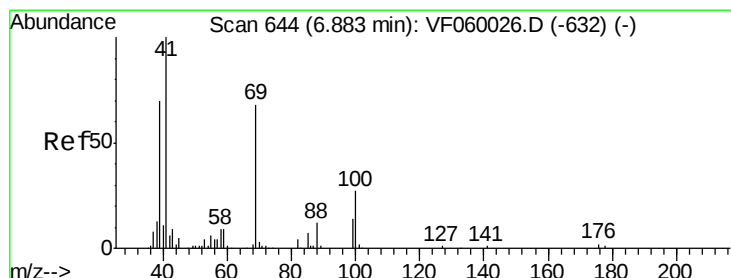
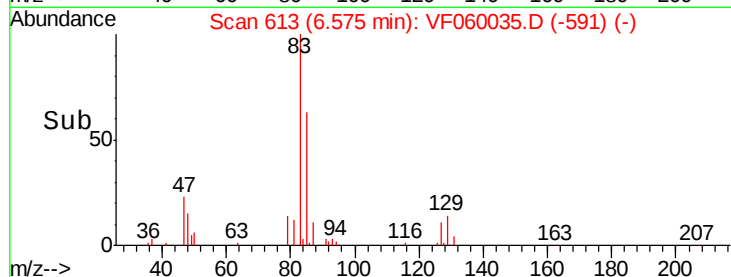
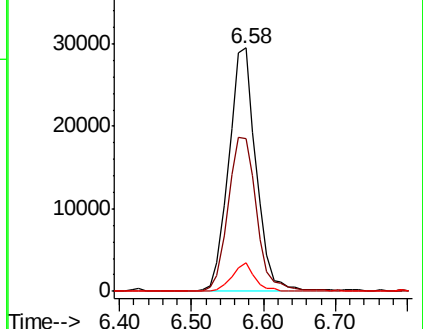
127 11.6 7.3 10.9#



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: 21.635 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

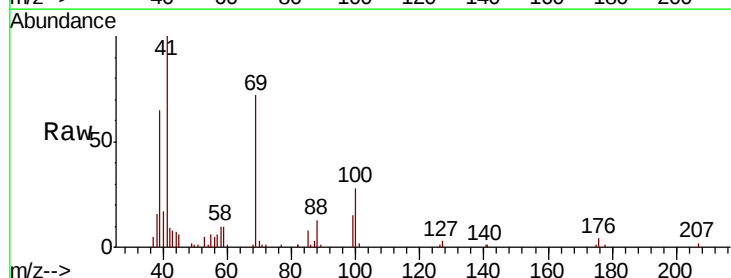
Tgt Ion: 41 Resp: 33065

Ion Ratio Lower Upper

41 100

69 72.1 54.6 81.8

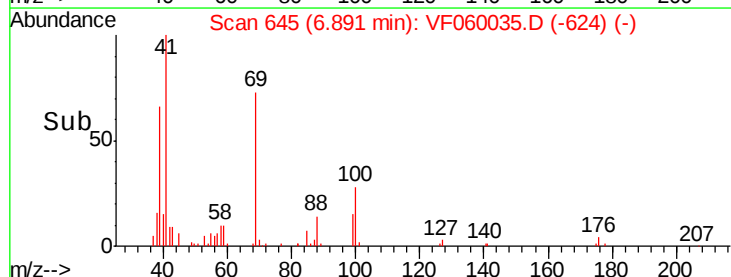
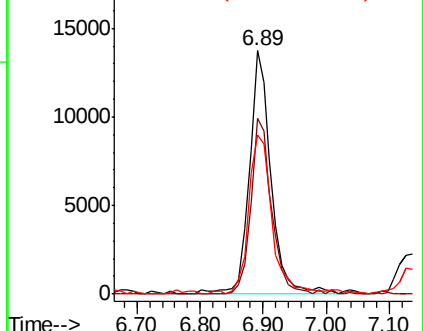
39 65.2 56.5 84.7

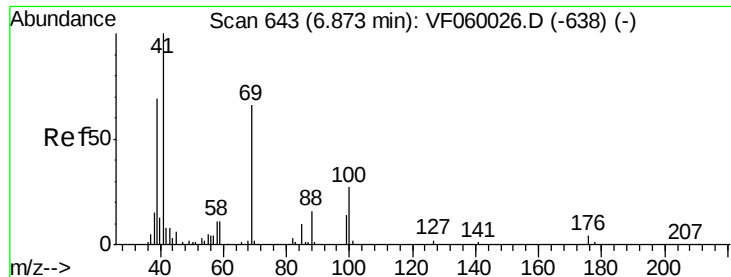


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

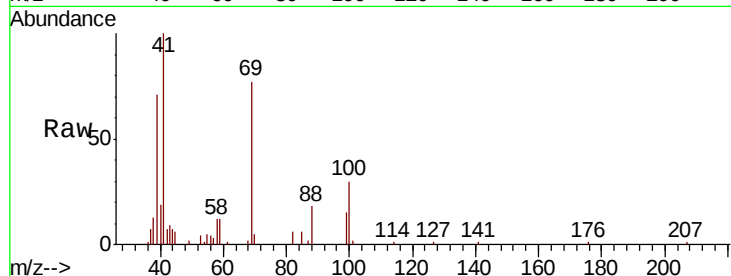




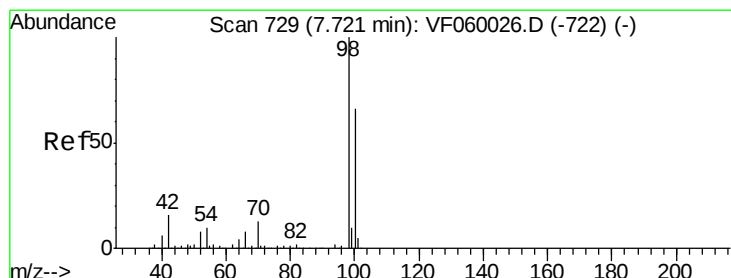
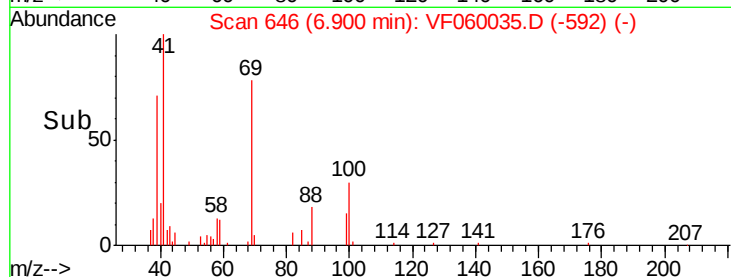
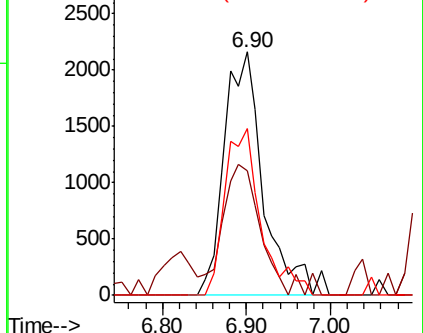
#49
 1,4-Dioxane
 Concen: 477.727 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.03 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Tgt Ion: 88 Resp: 7009
 Ion Ratio Lower Upper
 88 100
 43 51.2 46.5 69.7
 58 68.6 54.8 82.2

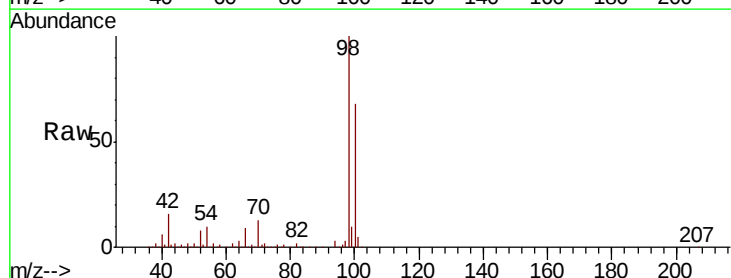


Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0

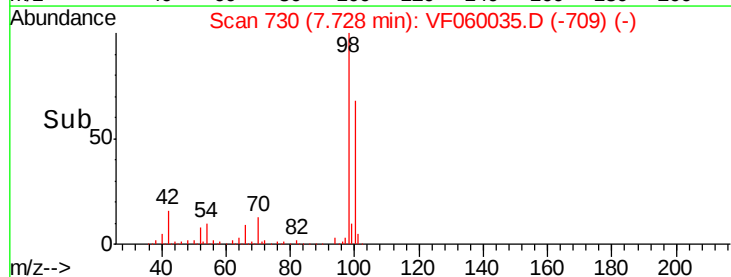
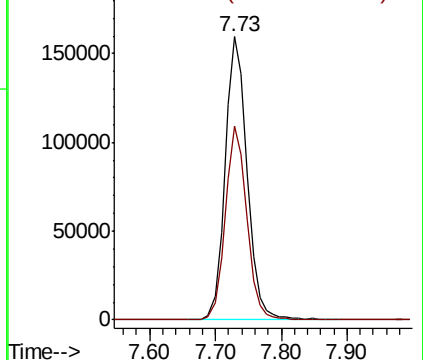


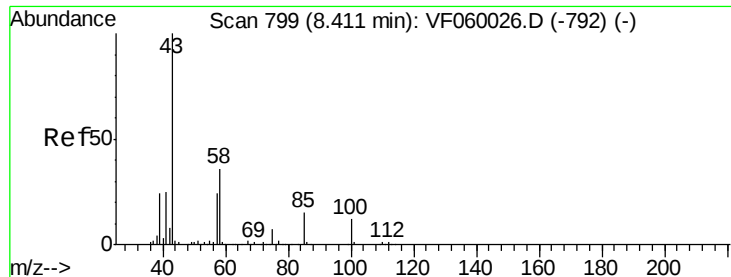
#50
 Toluene-d8
 Concen: 51.175 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

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

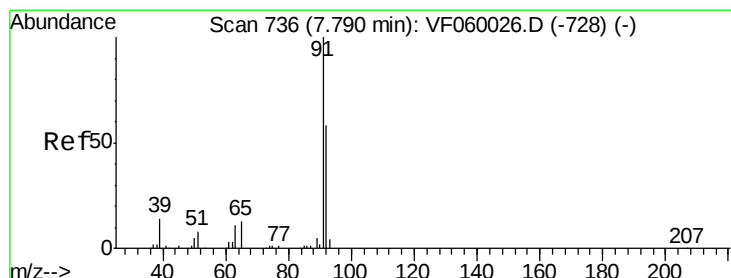
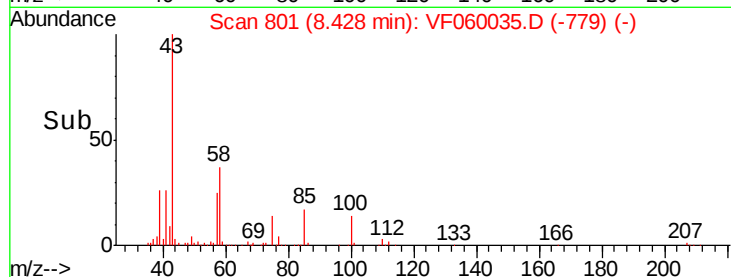
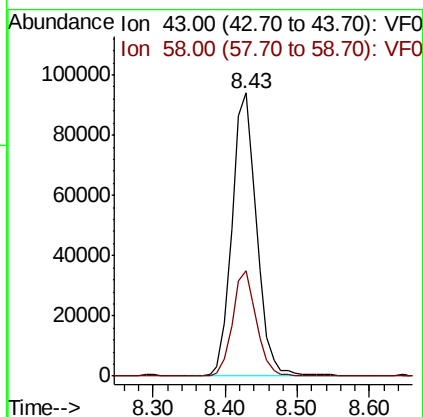
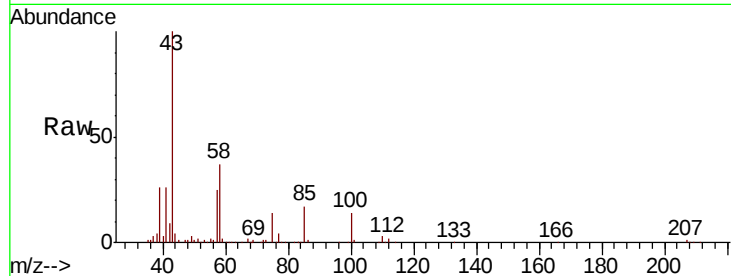




#51
 4-Methyl-2-Pentanone
 Concen: 112.948 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

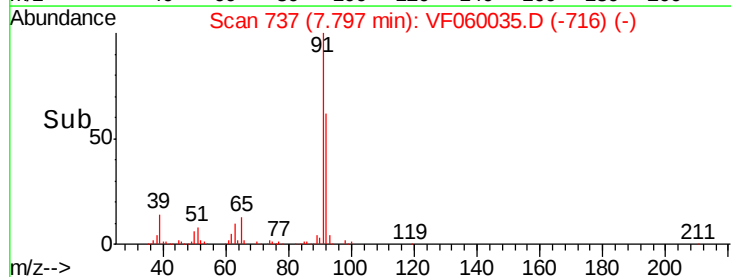
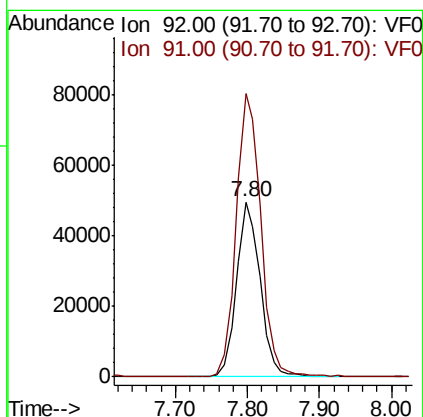
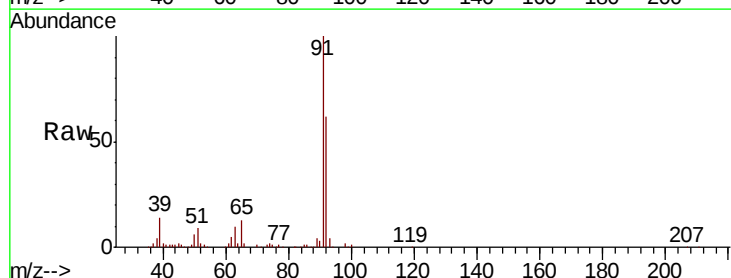
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

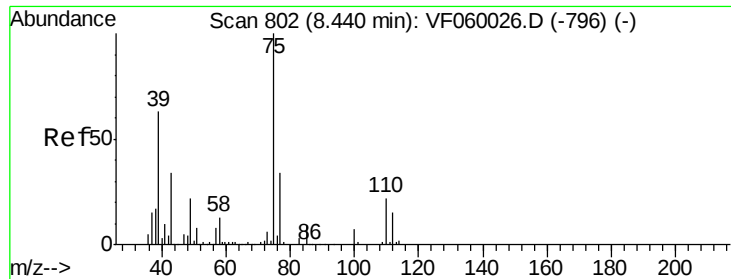
Tgt Ion: 43 Resp: 225272
 Ion Ratio Lower Upper
 43 100
 58 37.2 28.6 42.8



#52
 Toluene
 Concen: 23.788 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: 22.970 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 :

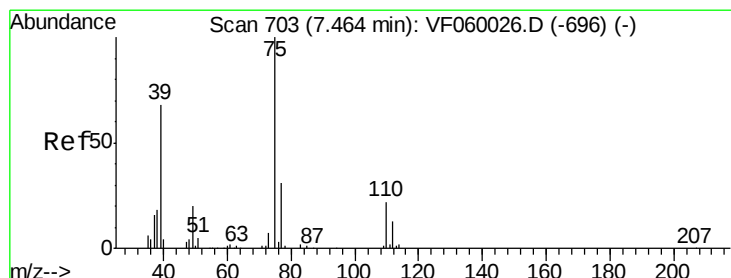
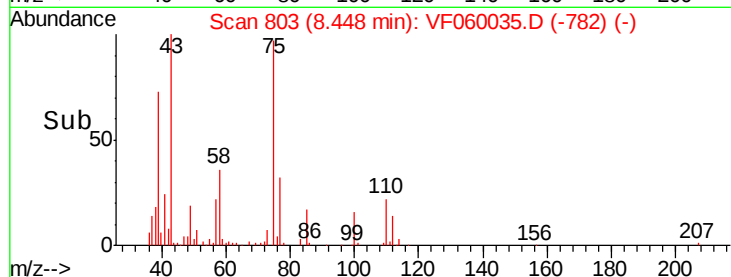
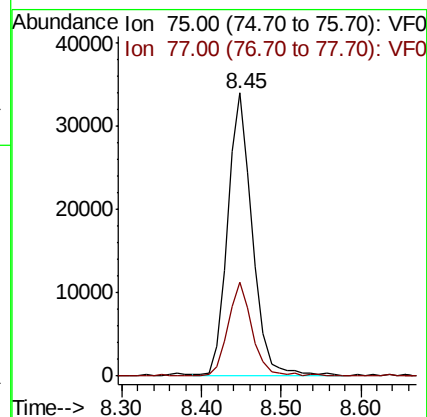
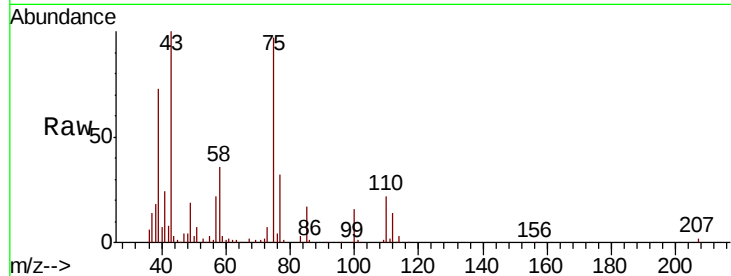
VF0822SBS01

Tgt Ion: 75 Resp: 74643

Ion Ratio Lower Upper

75 100

77 33.2 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 23.361 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

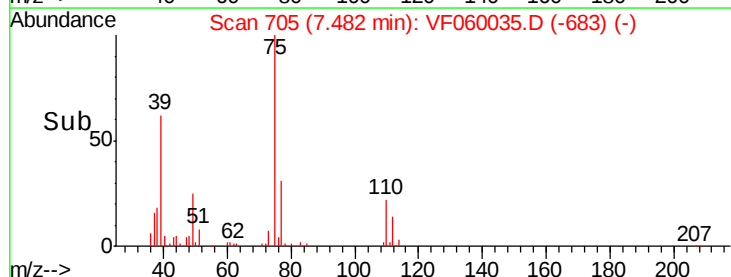
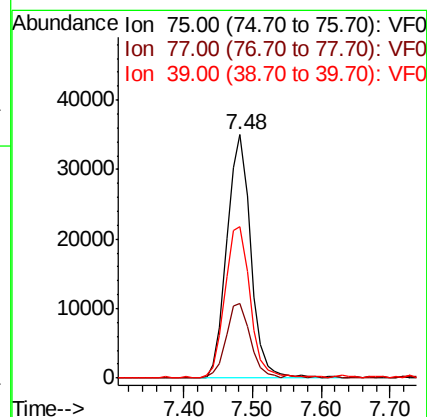
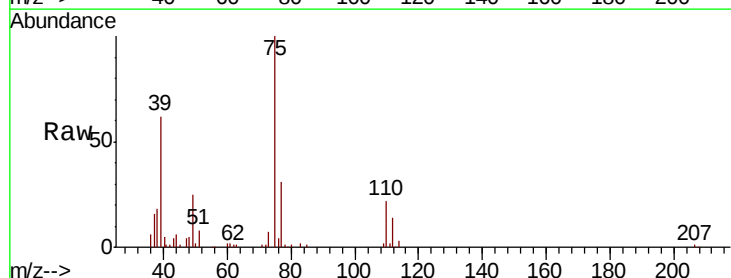
Tgt Ion: 75 Resp: 84723

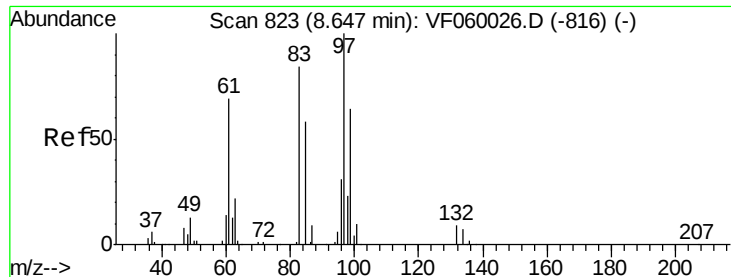
Ion Ratio Lower Upper

75 100

77 30.5 24.6 37.0

39 62.5 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 22.779 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

Tgt Ion: 97 Resp: 41198

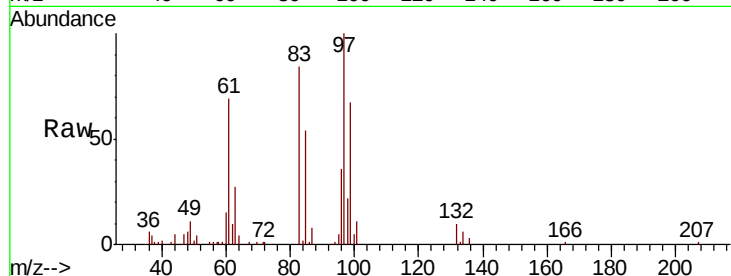
Ion Ratio Lower Upper

97 100

83 83.5 67.4 101.2

85 53.7 46.2 69.2

99 67.4 51.1 76.7

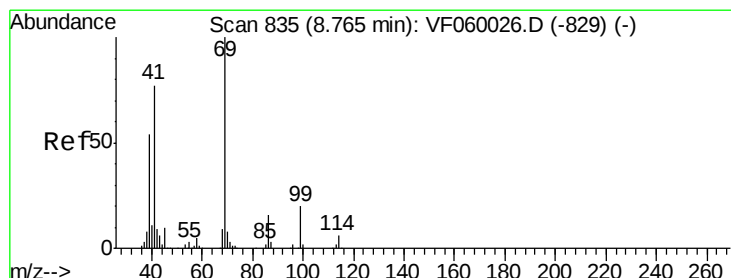
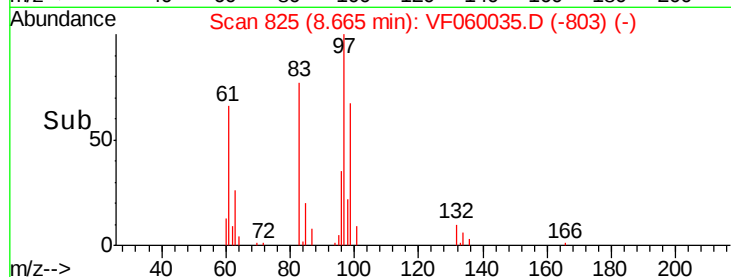
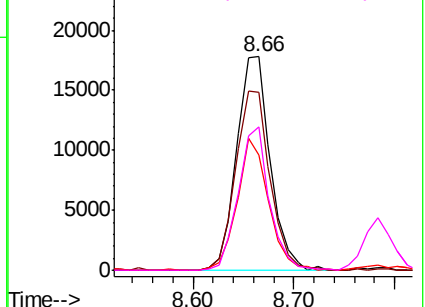


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.395 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

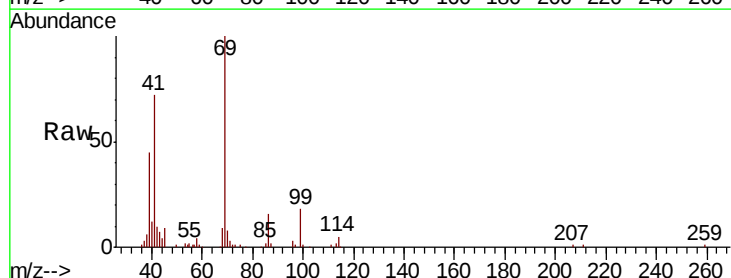
Tgt Ion: 69 Resp: 49026

Ion Ratio Lower Upper

69 100

41 72.4 61.6 92.4

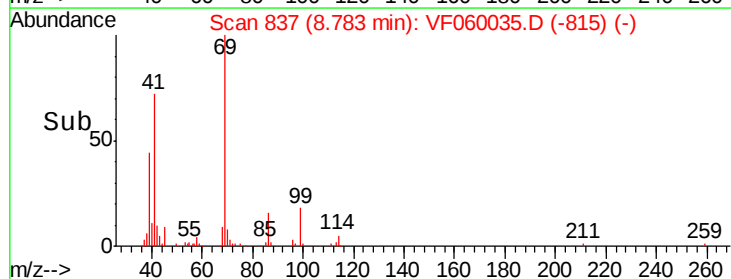
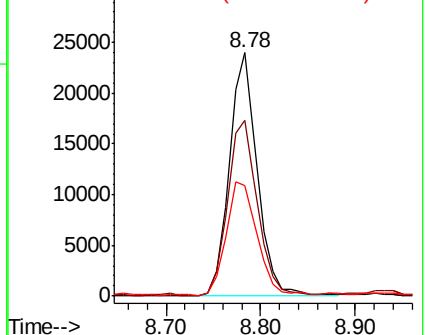
39 45.3 43.9 65.9

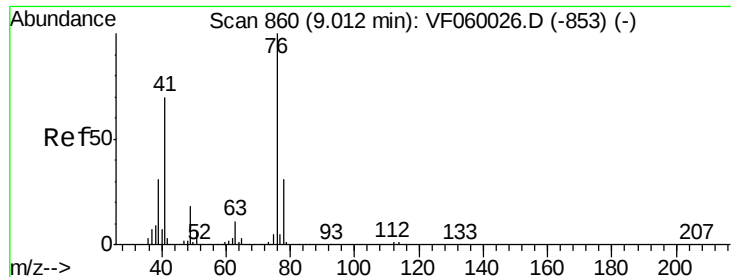


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

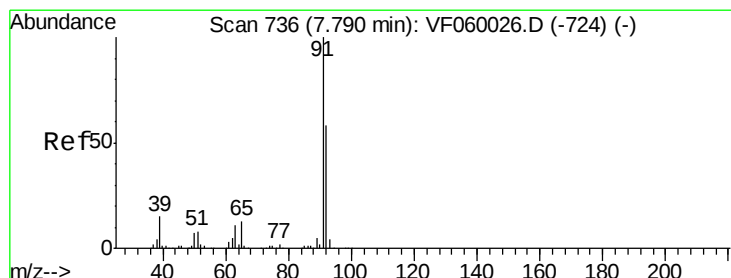
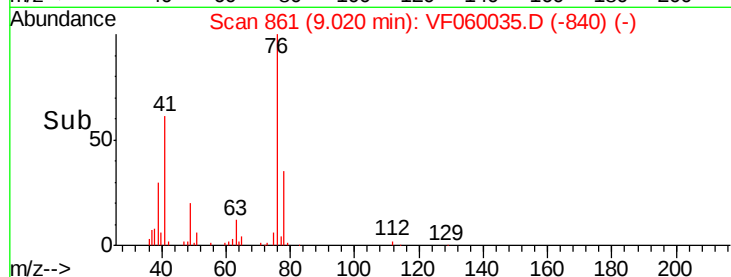
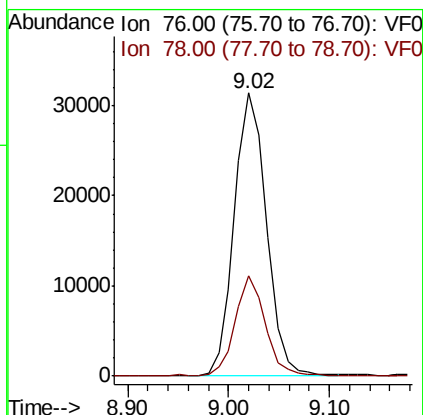
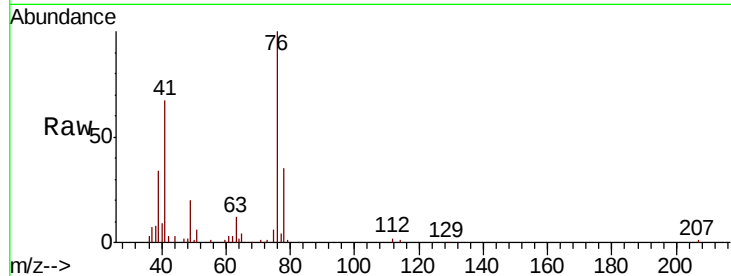




#57
 1,3-Dichloropropane
 Concen: 22.017 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

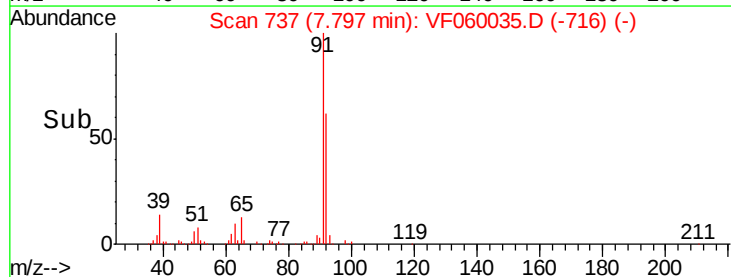
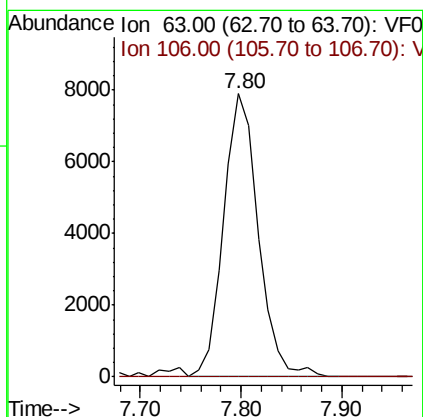
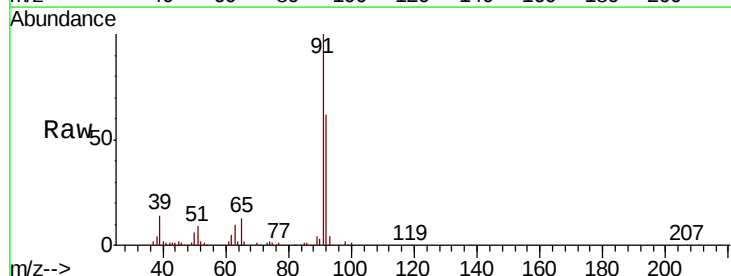
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

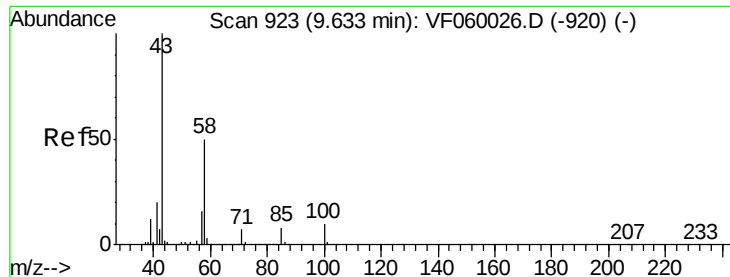
Tgt Ion: 76 Resp: 69988
 Ion Ratio Lower Upper
 76 100
 78 35.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.147 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

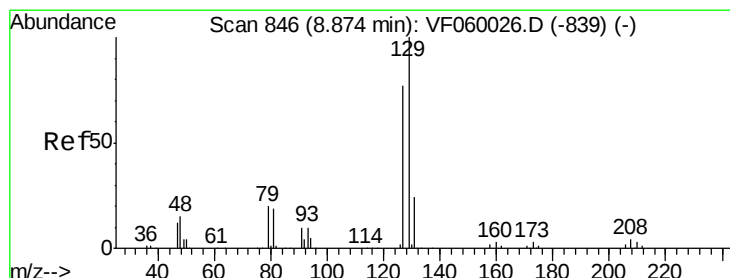
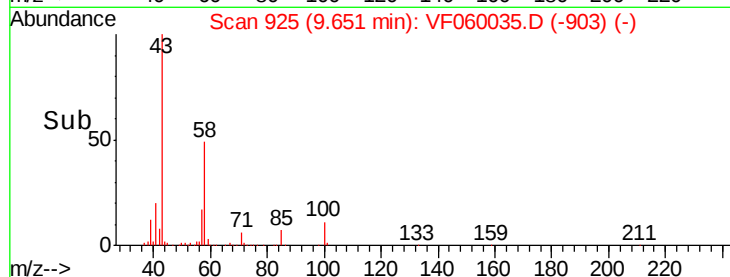
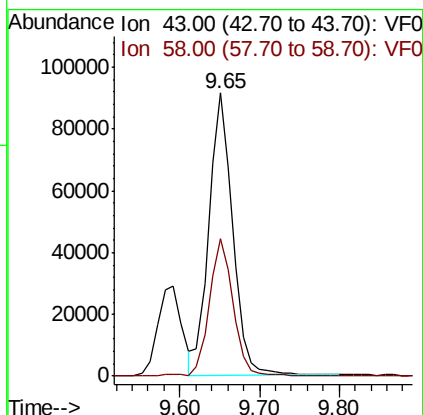
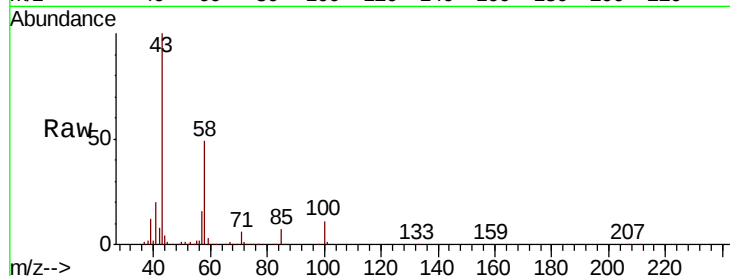




#59
2-Hexanone
Concen: 119.174 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

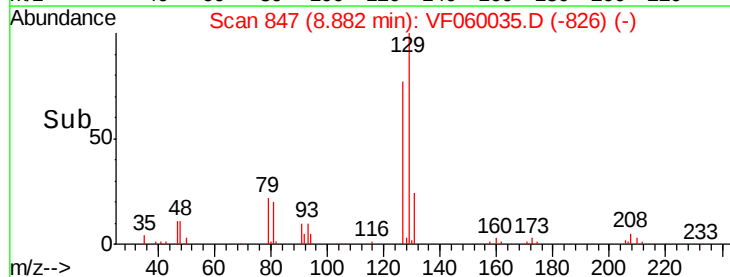
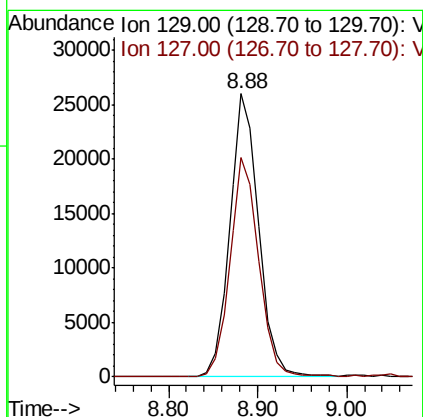
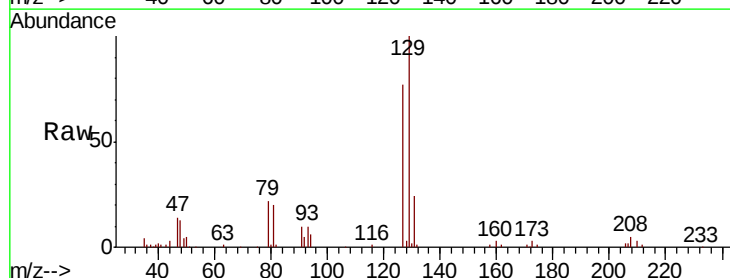
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

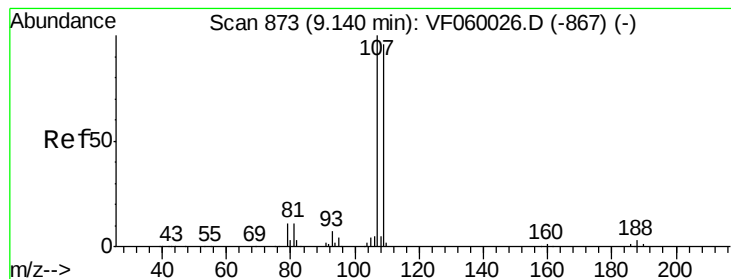
Tgt Ion: 43 Resp: 192377
Ion Ratio Lower Upper
43 100
58 48.7 23.4 70.2



#60
Dibromochloromethane
Concen: 22.065 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: 21.687 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 :

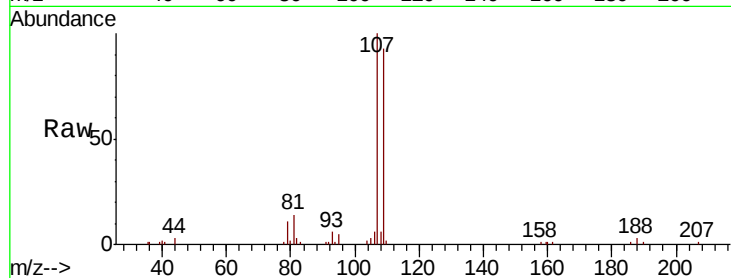
VF0822SBSD01

Tgt Ion: 107 Resp: 46063

Ion Ratio Lower Upper

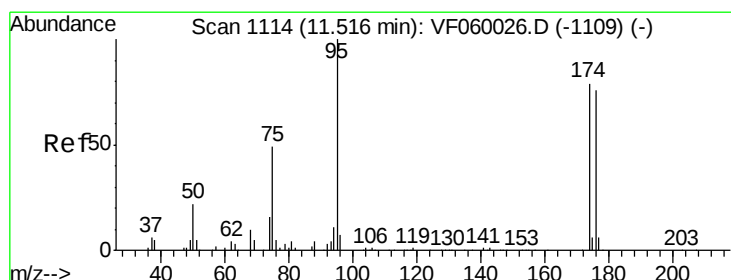
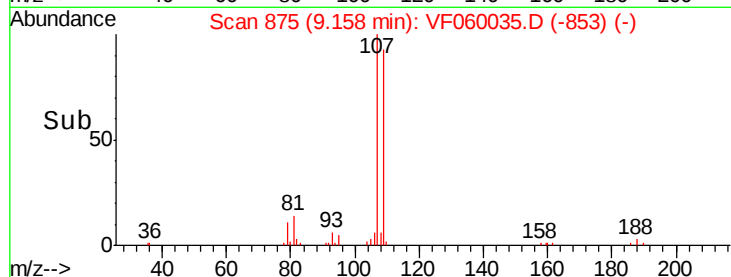
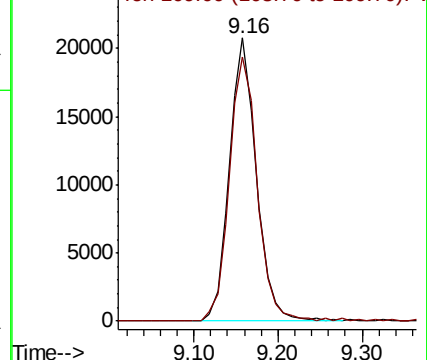
107 100

109 93.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.436 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

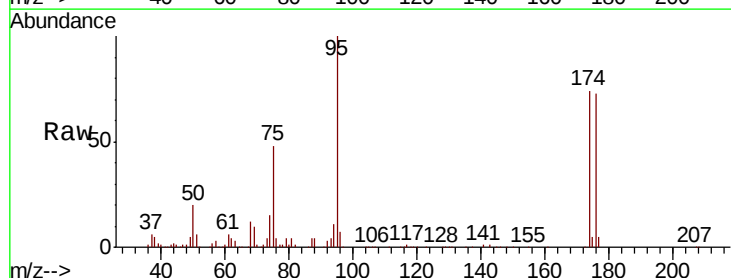
Tgt Ion: 95 Resp: 198131

Ion Ratio Lower Upper

95 100

174 74.3 0.0 158.4

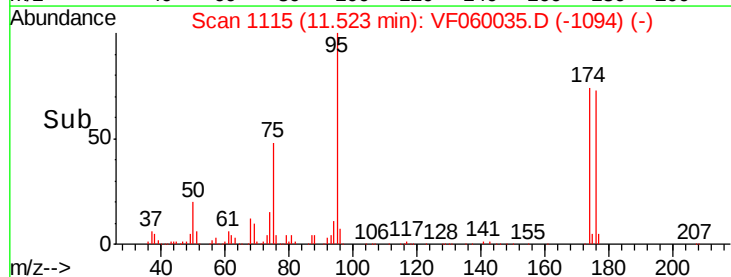
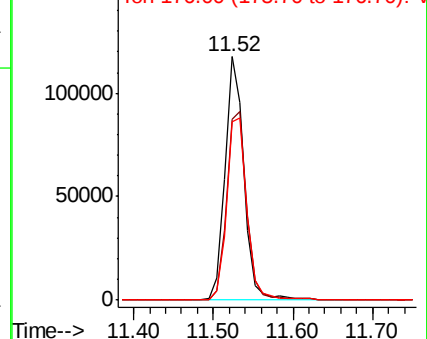
176 73.1 0.0 153.0

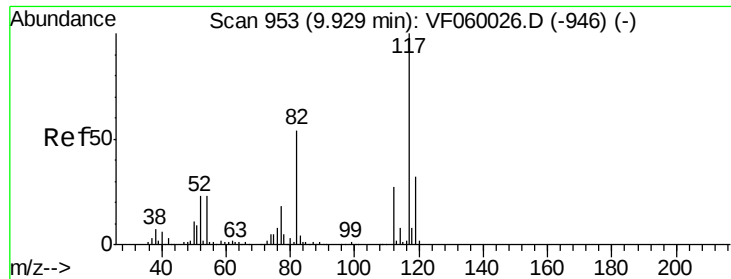


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

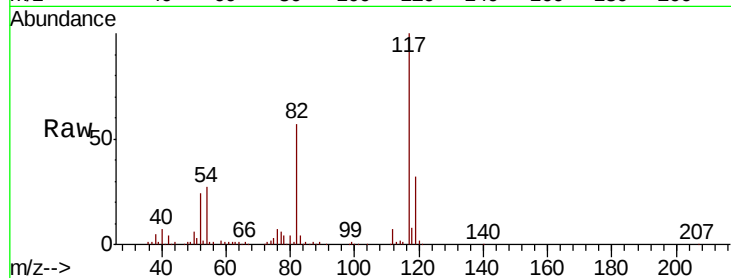




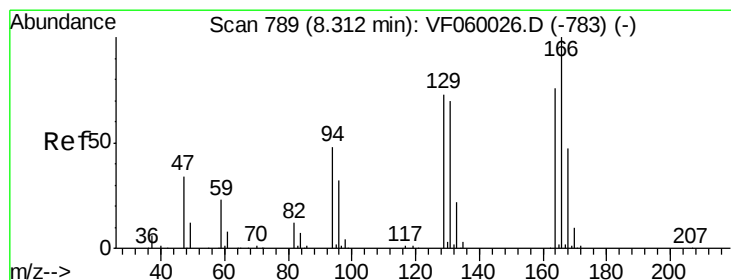
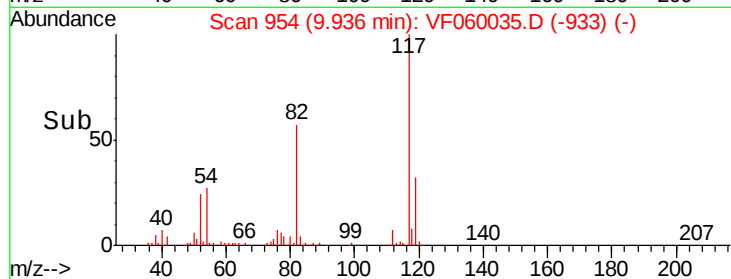
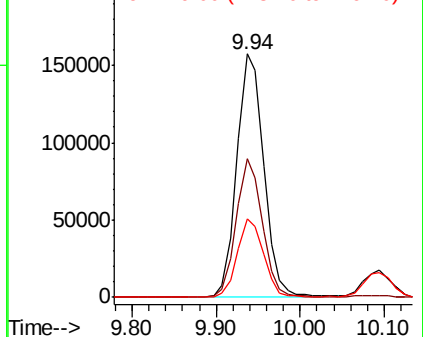
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

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

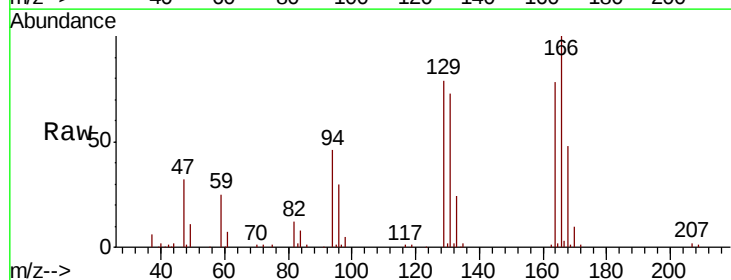


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

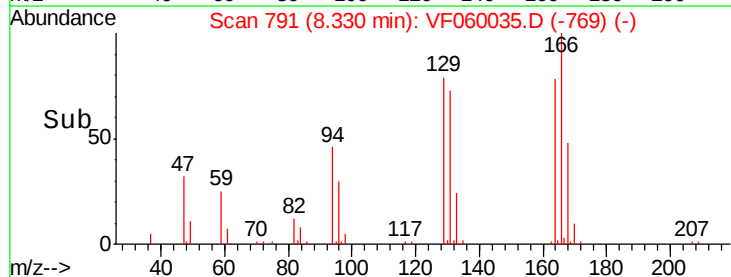
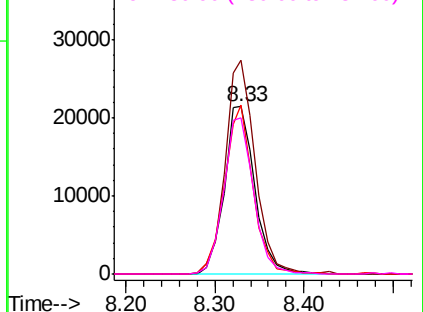


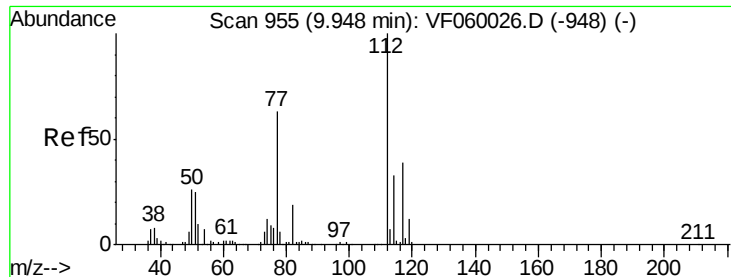
#64
Tetrachloroethene
Concen: 21.708 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

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

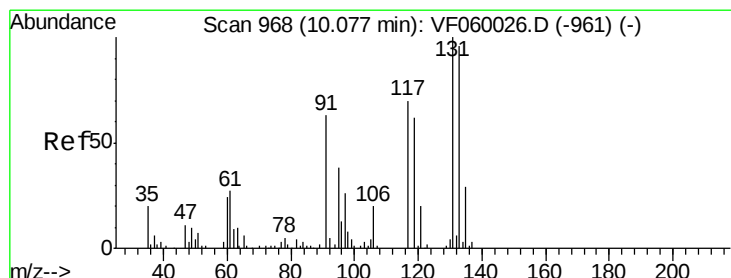
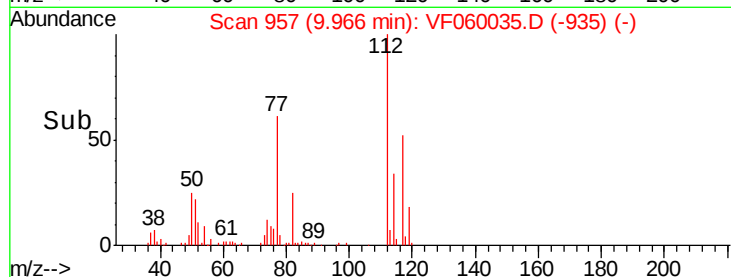
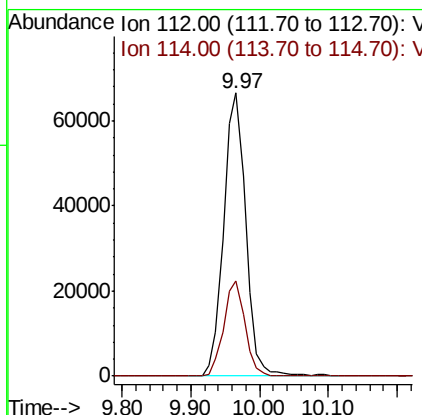
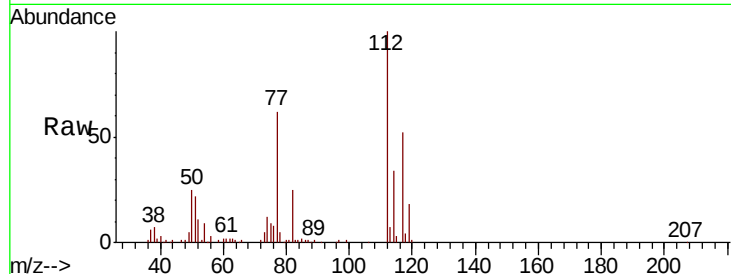




#65
Chlorobenzene
Concen: 22.218 ug/l
RT: 9.97 min Scan# 957
Delta R.T. 0.02 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

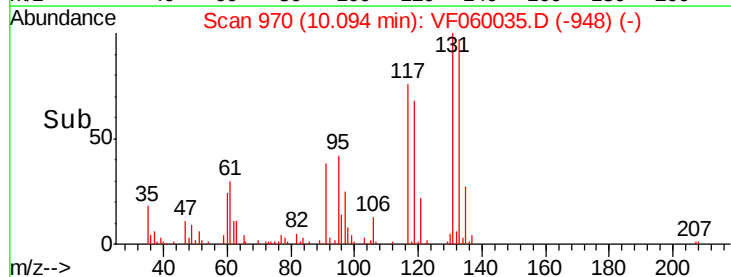
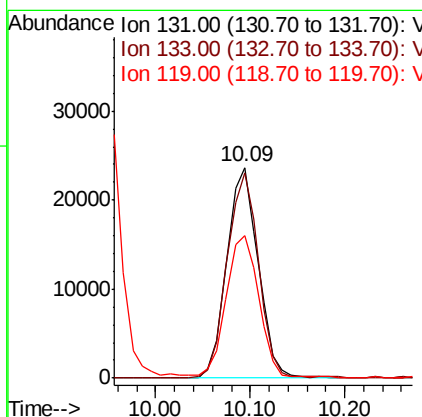
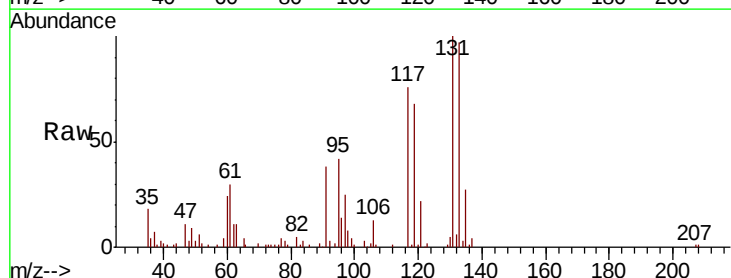
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

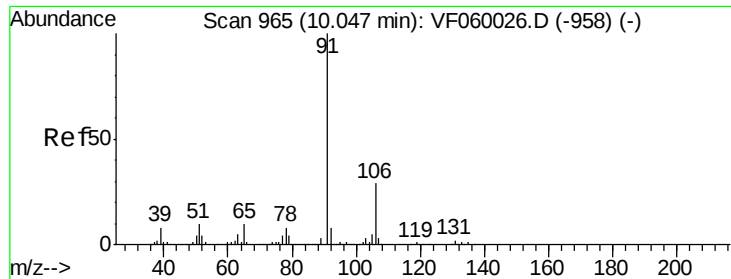
Tgt Ion:112 Resp: 147996
Ion Ratio Lower Upper
112 100
114 33.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.444 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: 22.516 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 :

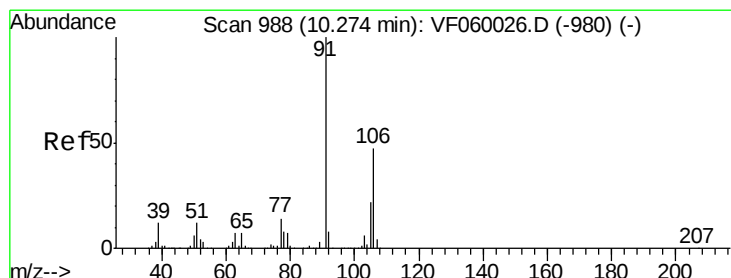
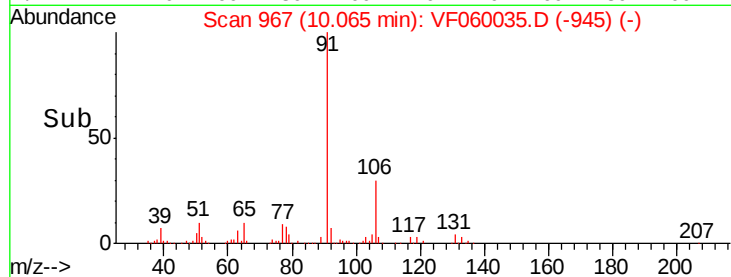
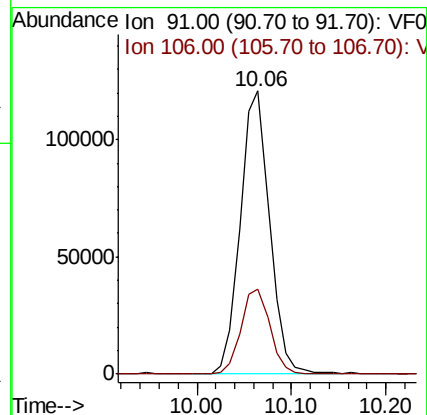
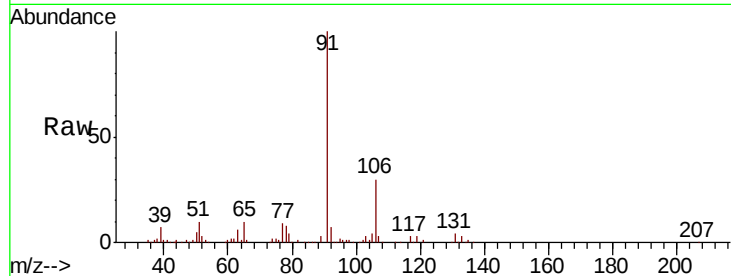
VF0822SBSD01

Tgt Ion: 91 Resp: 258789

Ion Ratio Lower Upper

91 100

106 30.0 23.6 35.4



#68

m/p-Xylenes

Concen: 46.497 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF060035.D

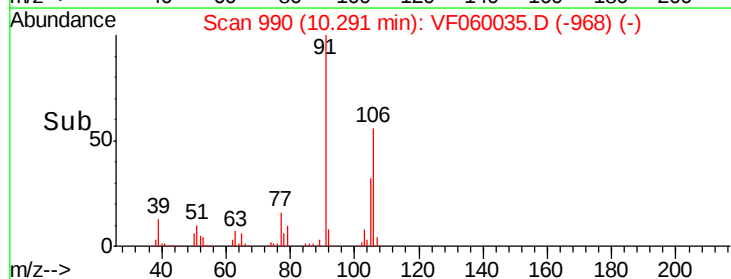
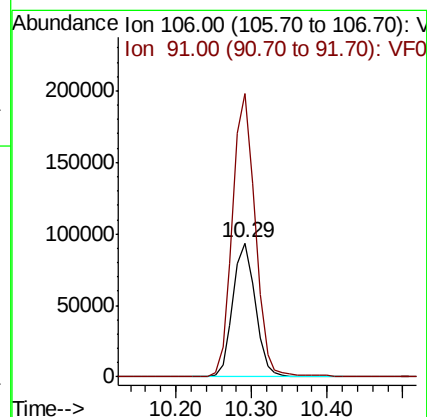
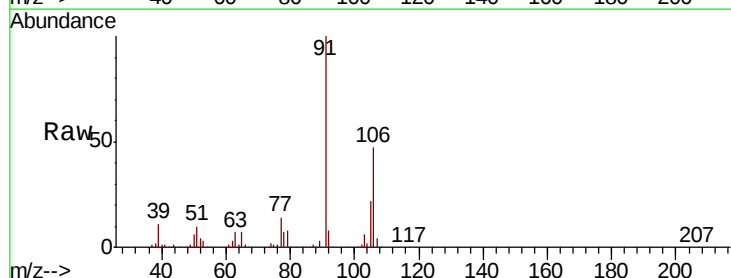
Acq: 22 Aug 2018 12:58

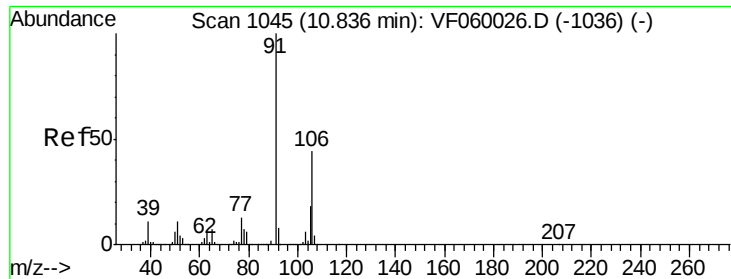
Tgt Ion: 106 Resp: 193833

Ion Ratio Lower Upper

106 100

91 211.2 171.8 257.8

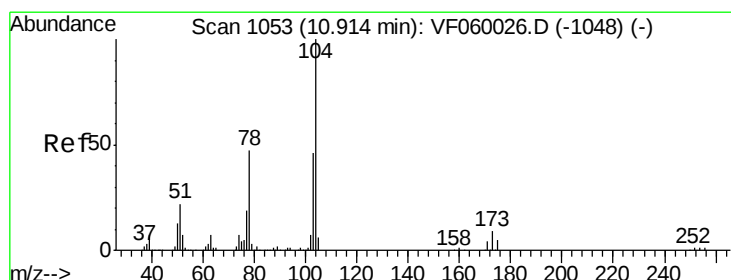
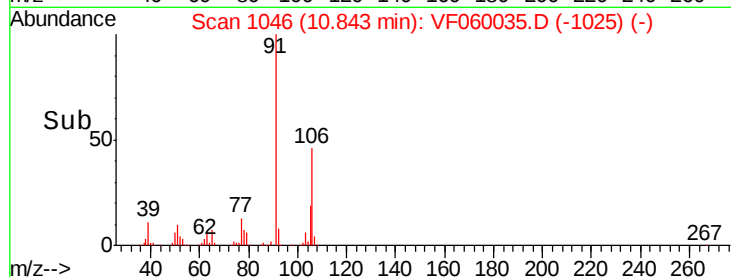
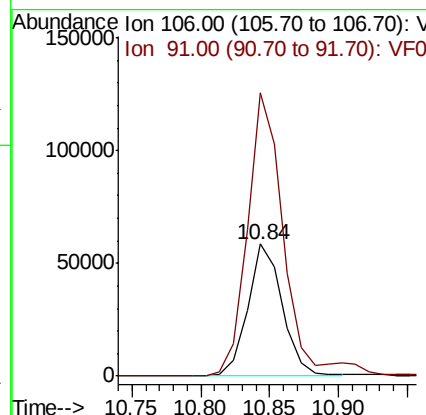
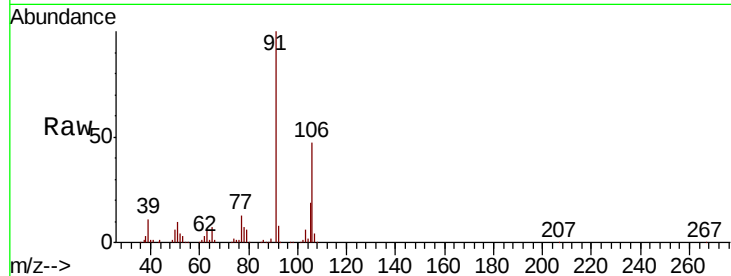




#69
o-Xylene
Concen: 22.818 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

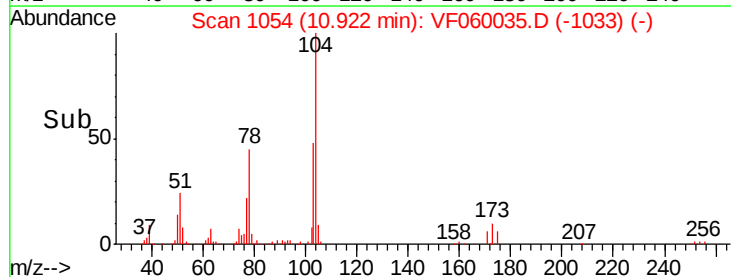
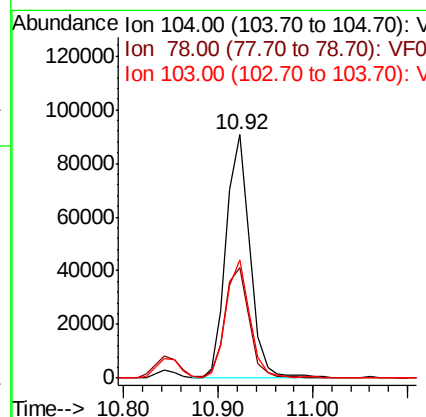
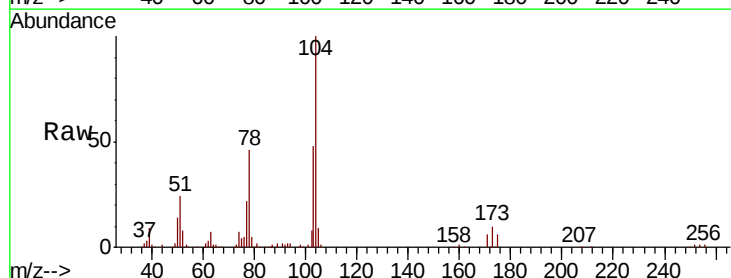
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

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



#70
Styrene
Concen: 22.756 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: 21.128 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

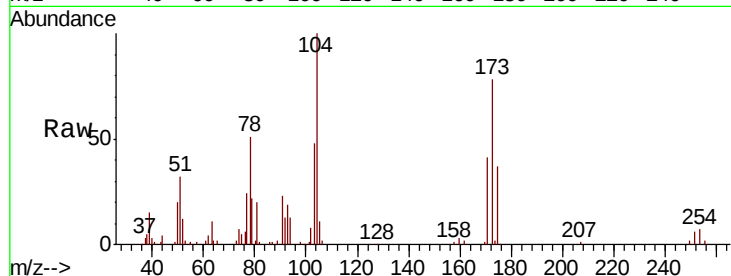
Tgt Ion:173 Resp: 37242

Ion Ratio Lower Upper

173 100

175 47.4 24.7 74.1

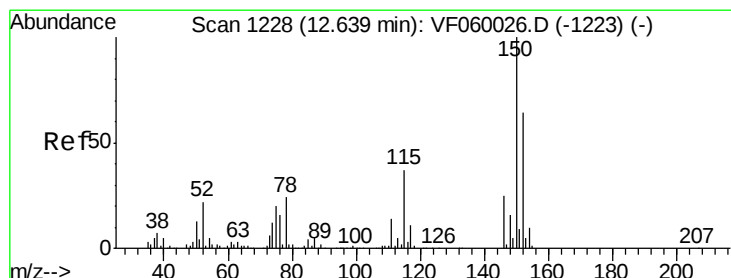
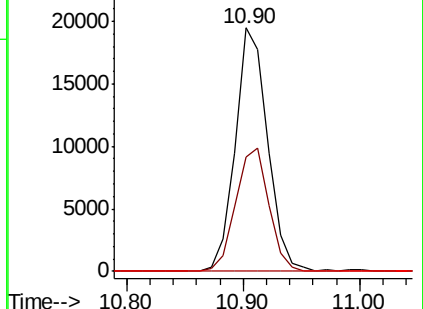
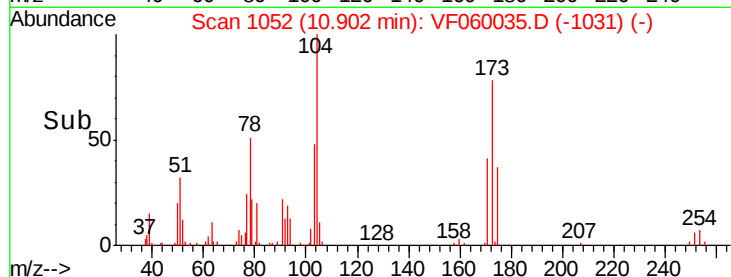
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

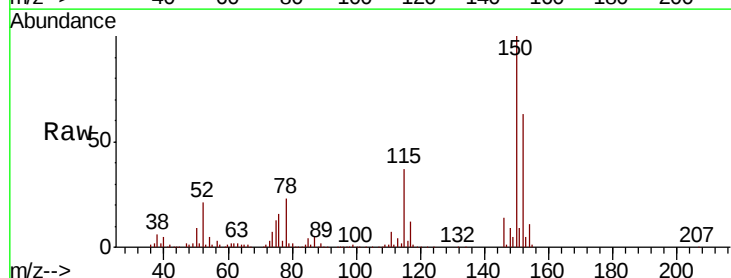
Tgt Ion:152 Resp: 214285

Ion Ratio Lower Upper

152 100

115 58.6 28.6 85.9

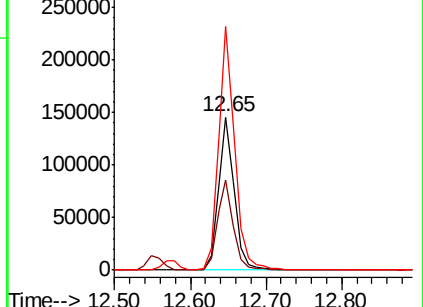
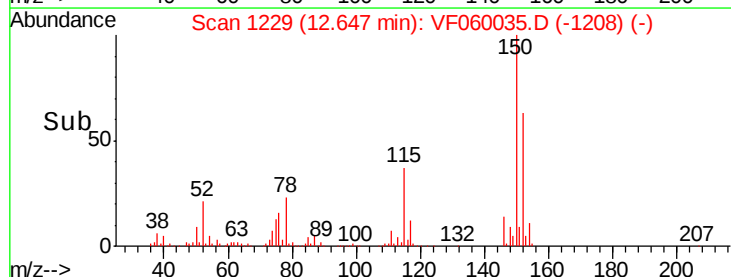
150 159.1 0.0 312.0

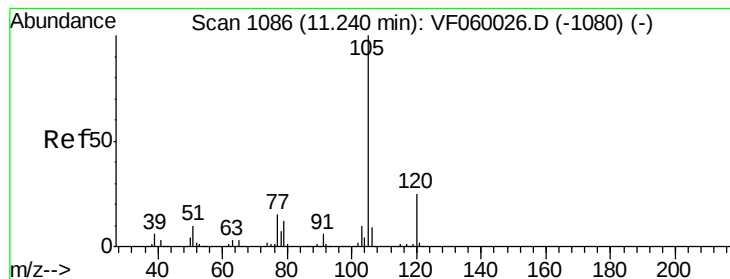


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.653 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 :

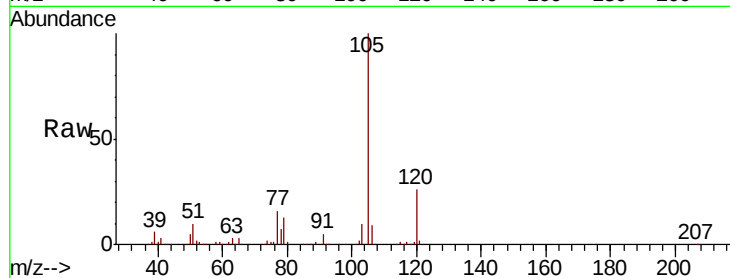
VF0822SBSD01

Tgt Ion: 105 Resp: 292193

Ion Ratio Lower Upper

105 100

120 26.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

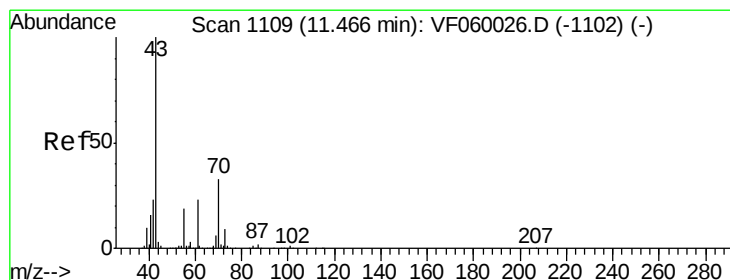
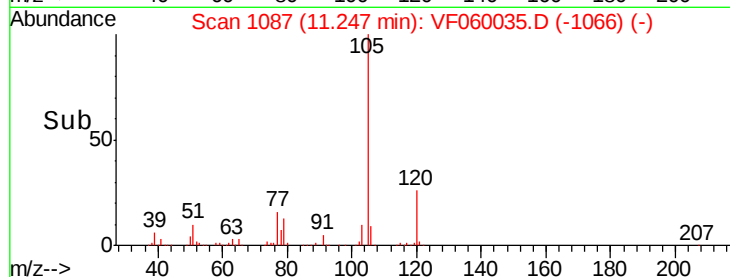
100000

50000

0

11.20 11.25 11.40

Time-->



#74

N-ethyl acetate

Concen: 21.864 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

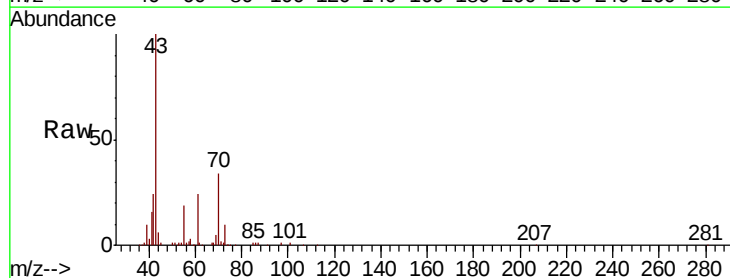
Ion Ratio Lower Upper

43 100

70 33.7 26.4 39.6

55 19.0 15.0 22.4

61 24.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

60000

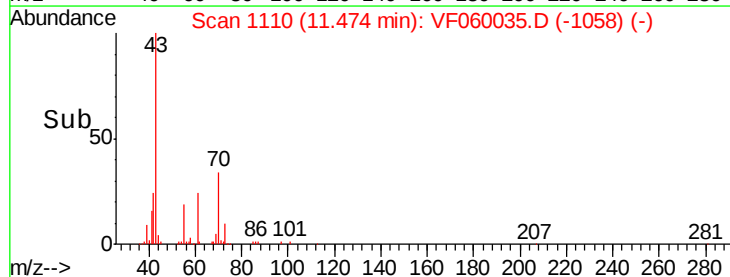
40000

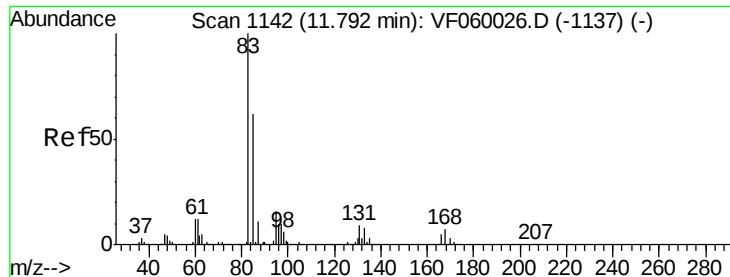
20000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.625 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

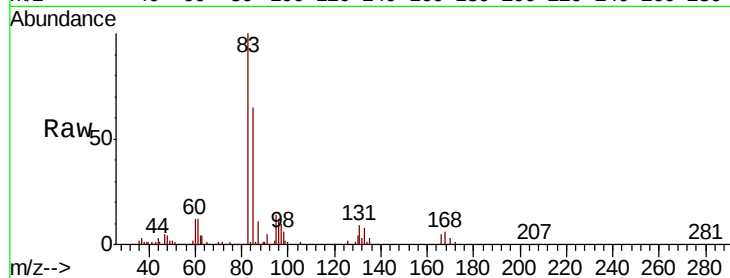
Tgt Ion: 83 Resp: 60918

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.7

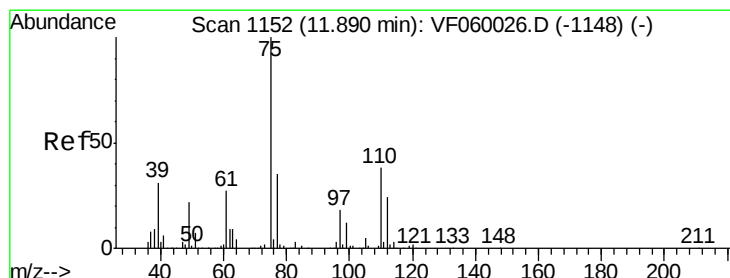
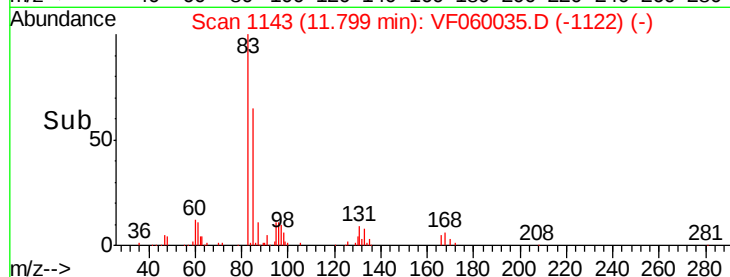
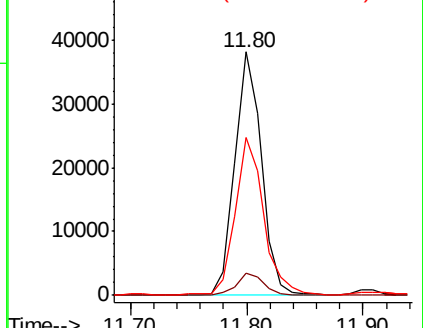
85 64.6 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.575 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF060035.D

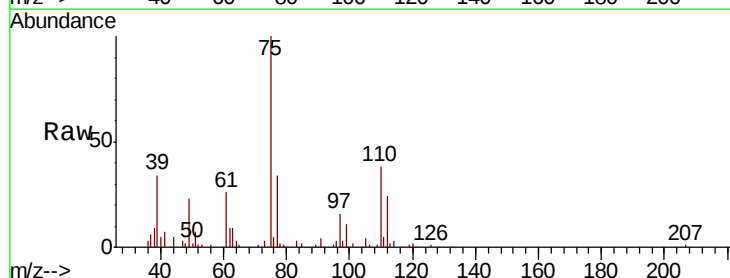
Acq: 22 Aug 2018 12:58

Tgt Ion: 75 Resp: 47132

Ion Ratio Lower Upper

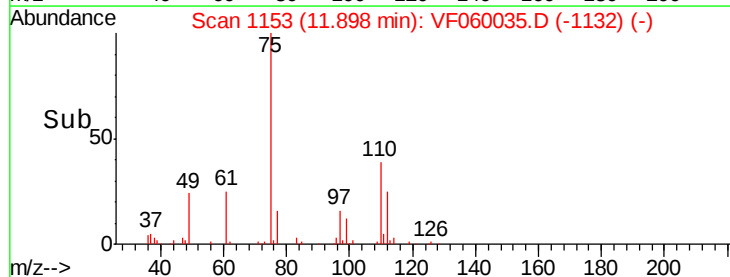
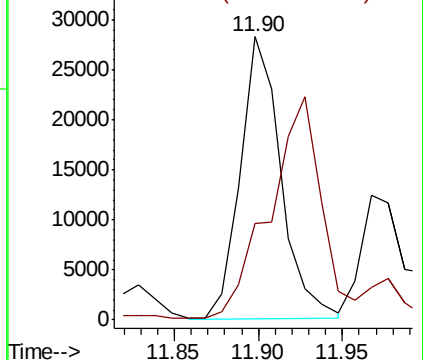
75 100

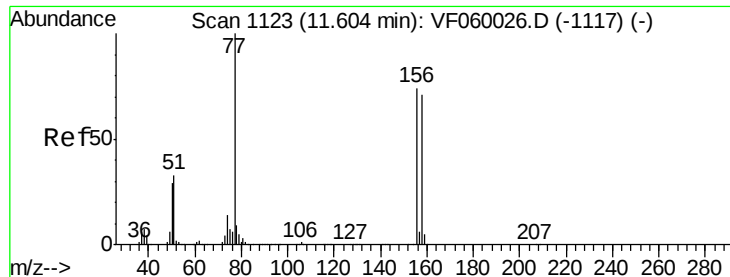
77 34.3 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

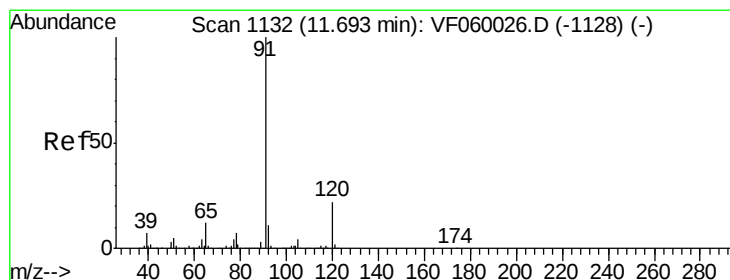
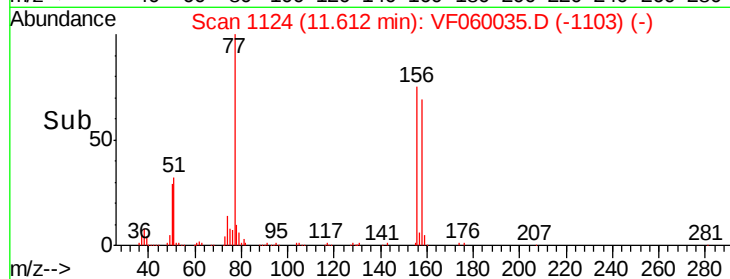
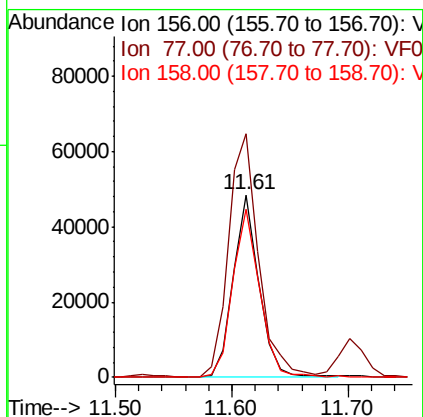
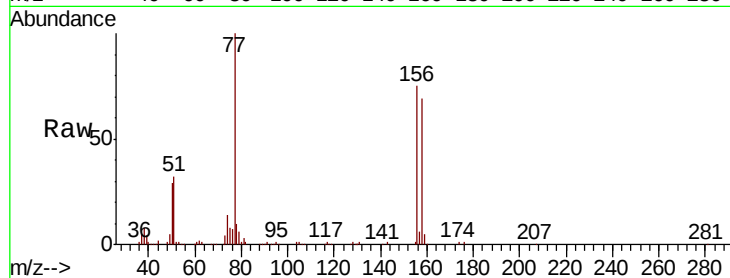




#77
Bromobenzene
Concen: 21.324 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

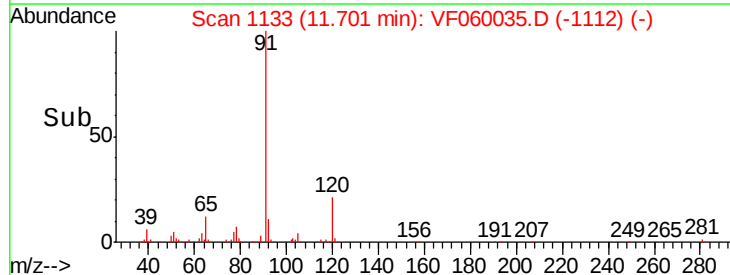
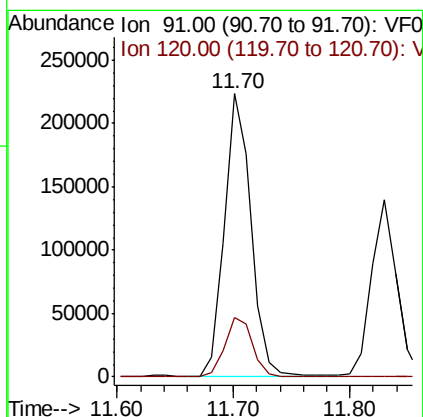
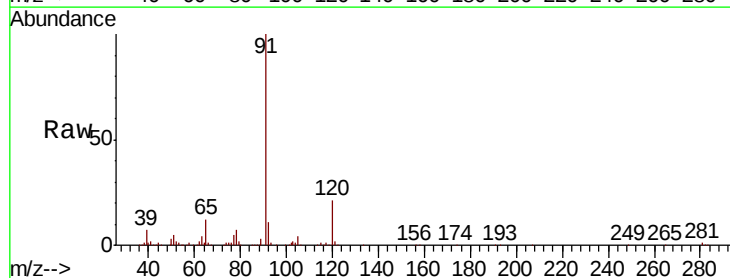
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

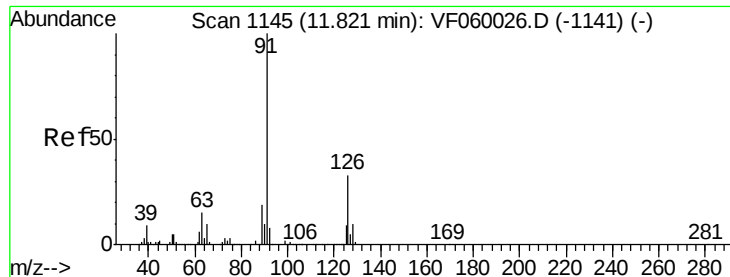
Tgt Ion: 156 Resp: 74803
Ion Ratio Lower Upper
156 100
77 133.2 68.0 204.0
158 92.3 48.4 145.3



#78
n-propylbenzene
Concen: 22.171 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

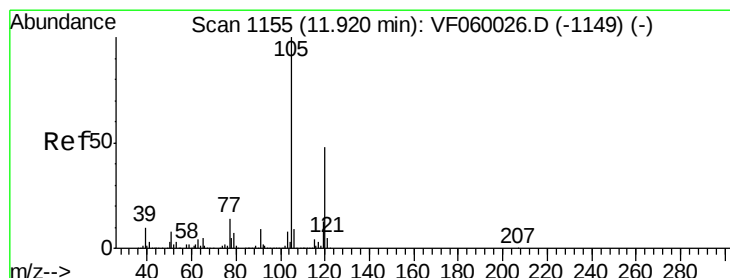
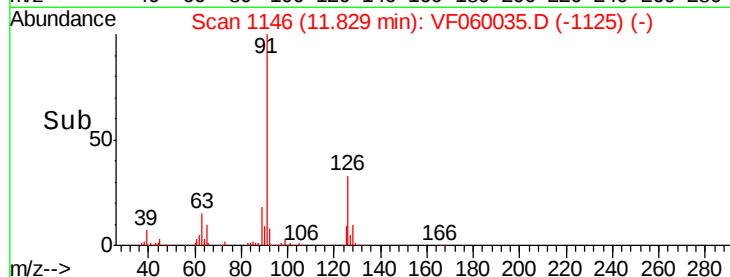
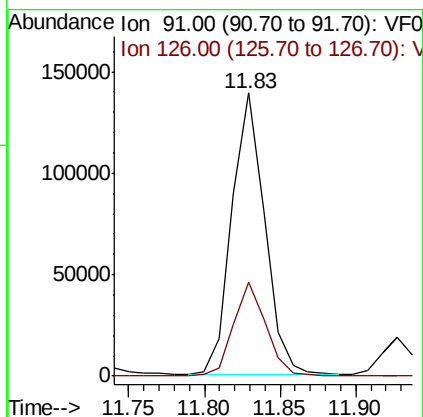
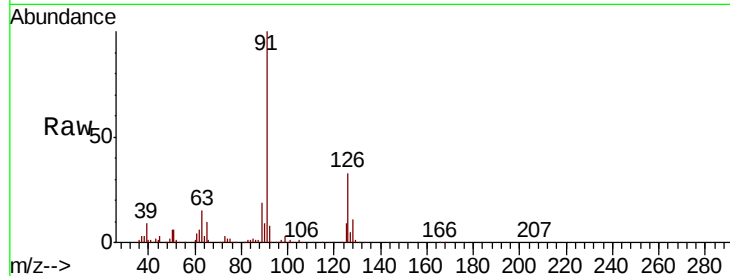




#79
 2-Chlorotoluene
 Concen: 22.344 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

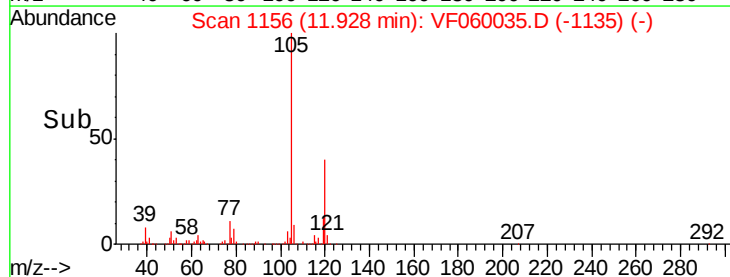
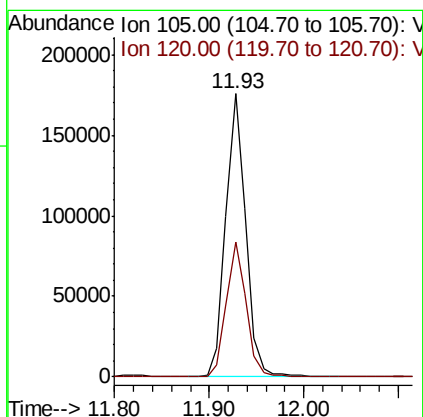
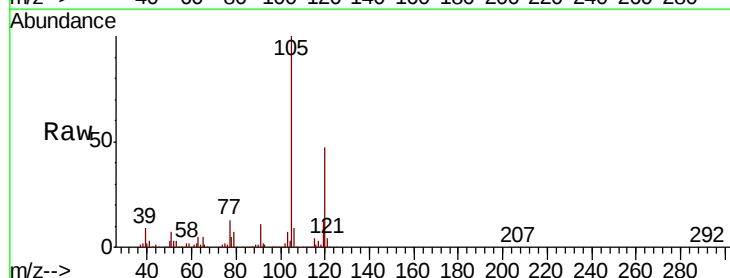
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

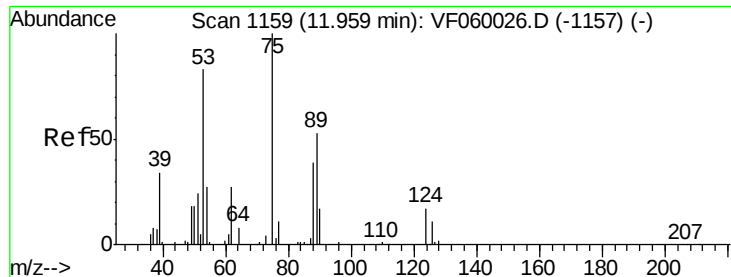
Tgt Ion: 91 Resp: 209170
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 22.908 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

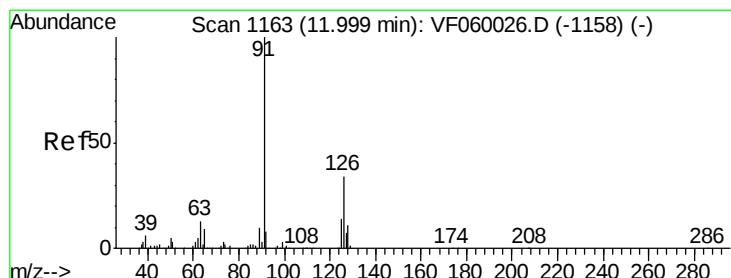
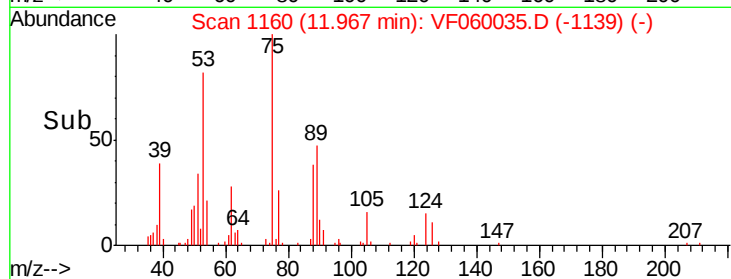
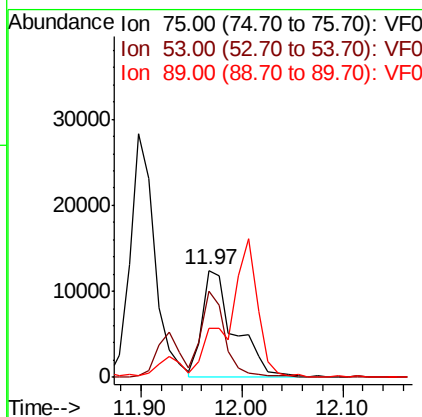
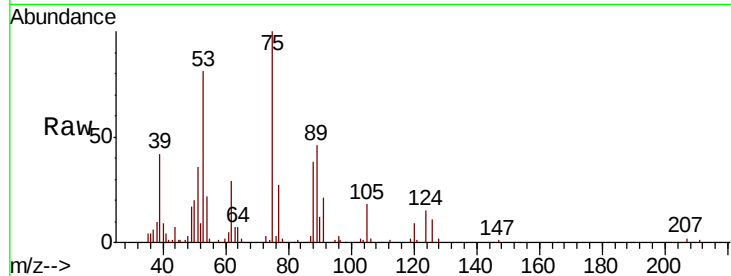




#81
trans-1,4-Dichloro-2-butene
Concen: 27.956 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

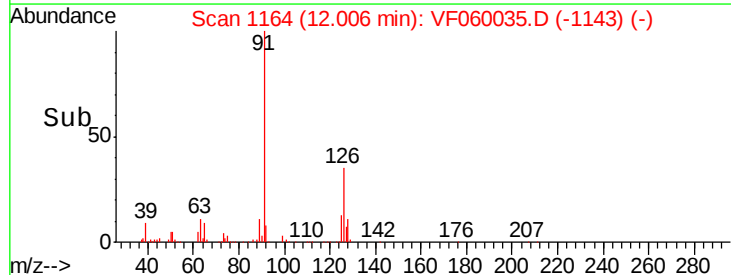
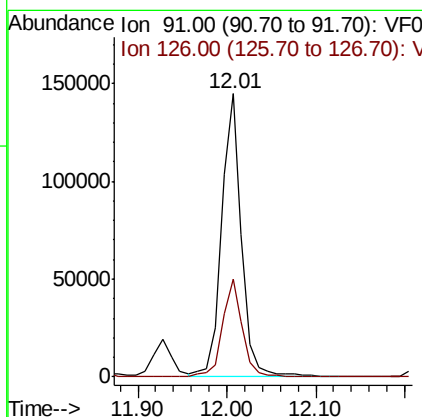
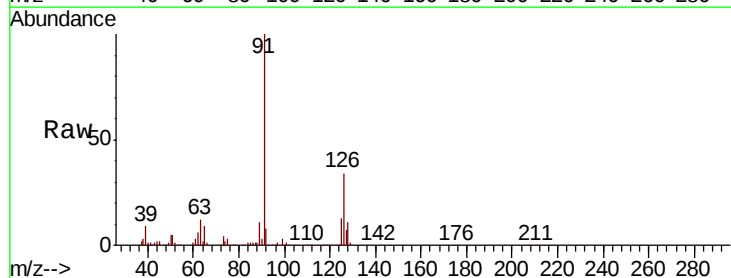
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBSD01

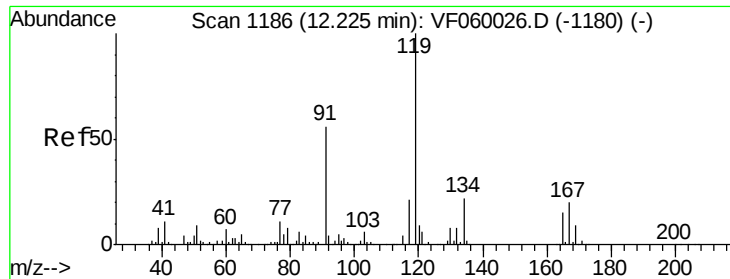
Tgt Ion: 75 Resp: 27943
Ion Ratio Lower Upper
75 100
53 81.1 66.2 99.4
89 46.0 42.8 64.2



#82
4-Chlorotoluene
Concen: 22.179 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

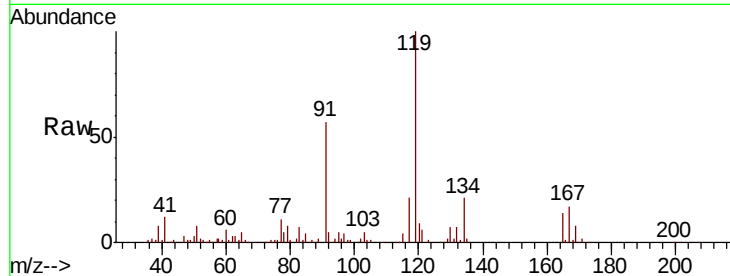




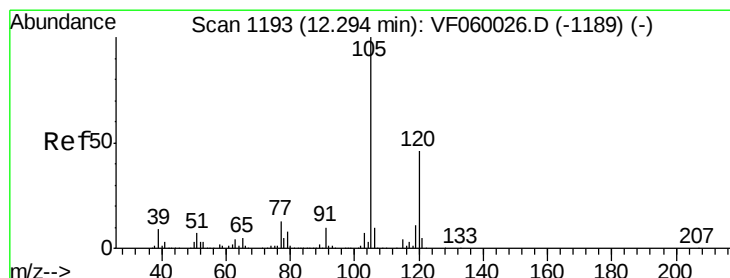
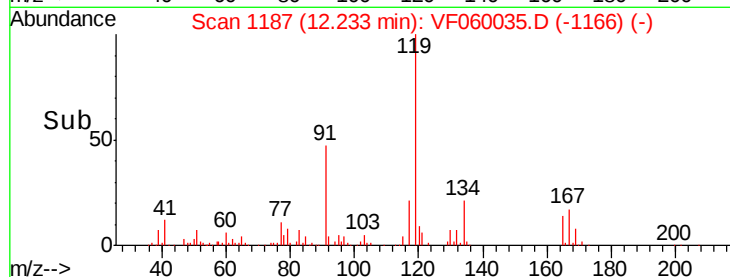
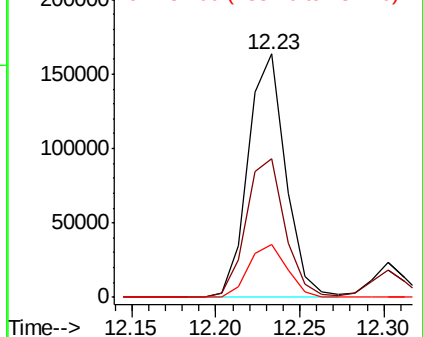
#83
 tert-Butylbenzene
 Concen: 23.116 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

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

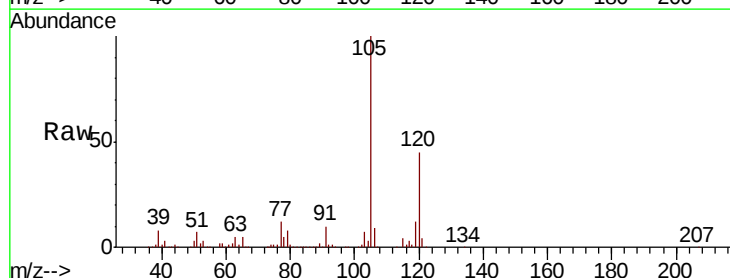


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

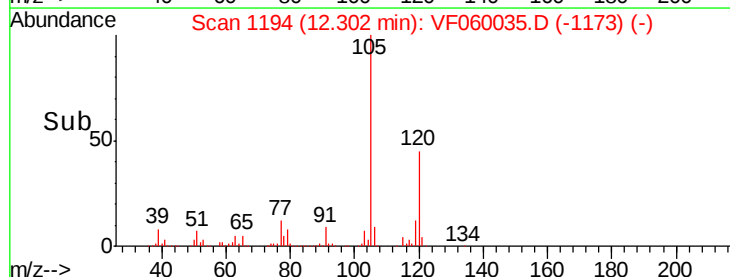
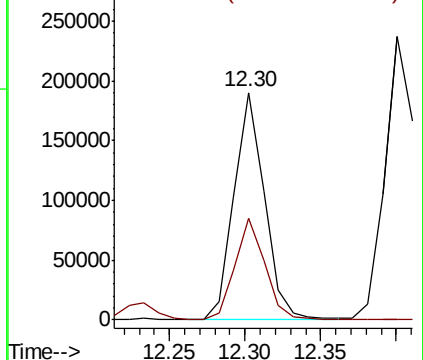


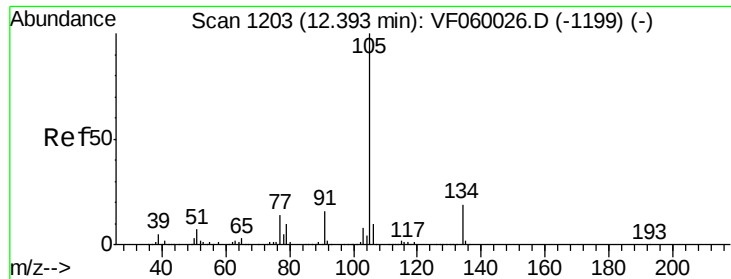
#84
 1,2,4-Trimethylbenzene
 Concen: 22.369 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

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

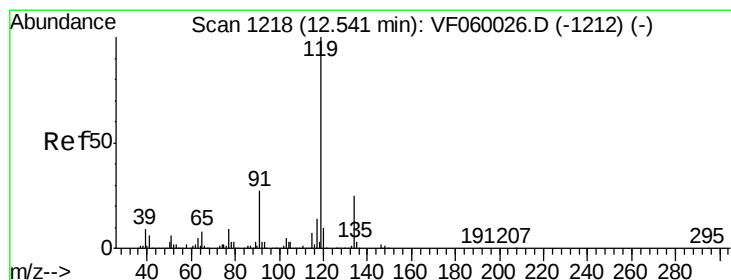
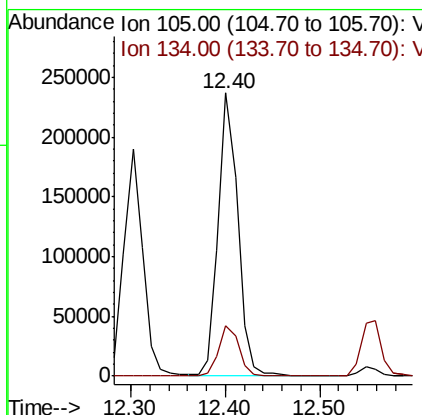
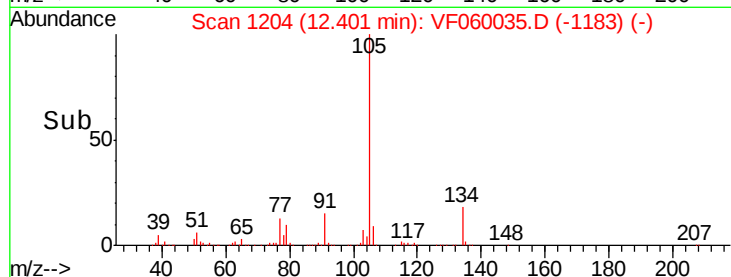
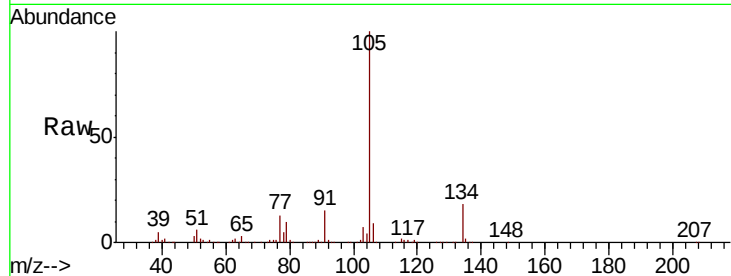




#85
 sec-Butylbenzene
 Concen: 22.425 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

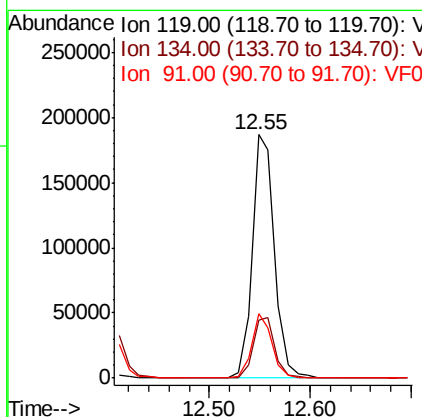
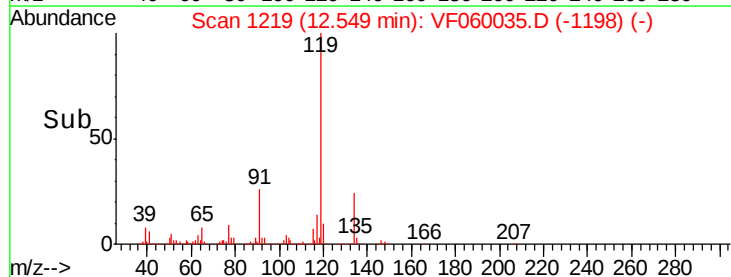
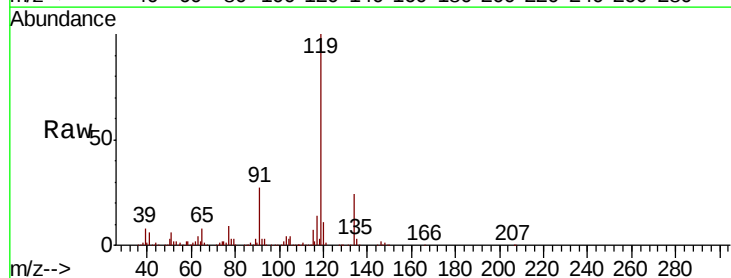
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

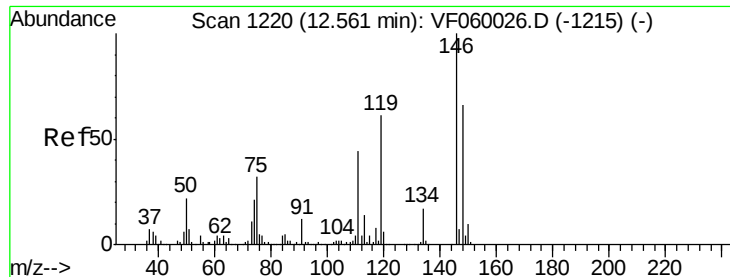
Tgt Ion:105 Resp: 342165
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 22.760 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

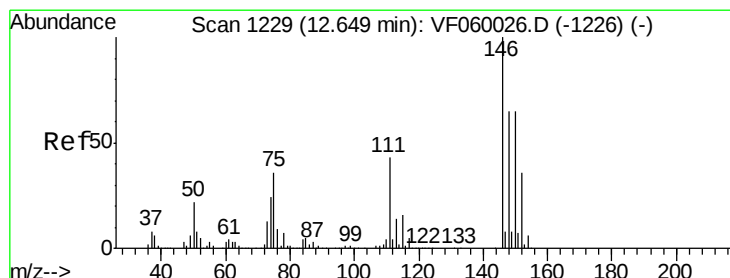
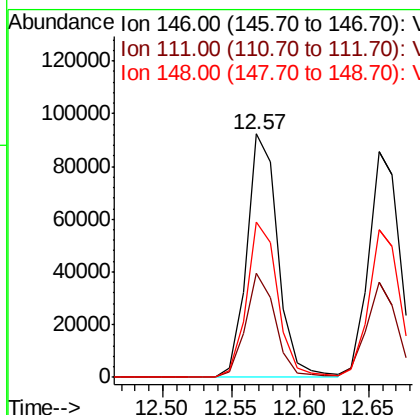
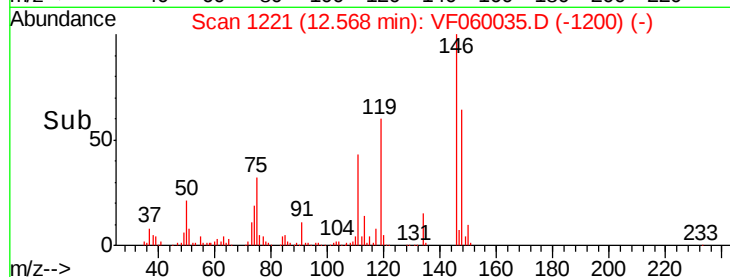
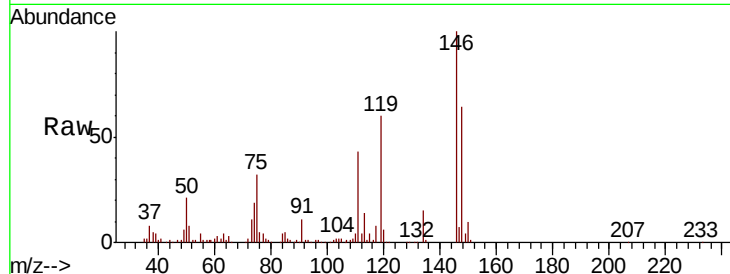




#87
 1,3-Dichlorobenzene
 Concen: 22.476 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF060035.D
 Acq: 22 Aug 2018 12:58

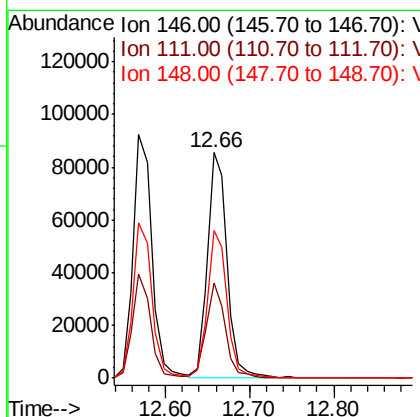
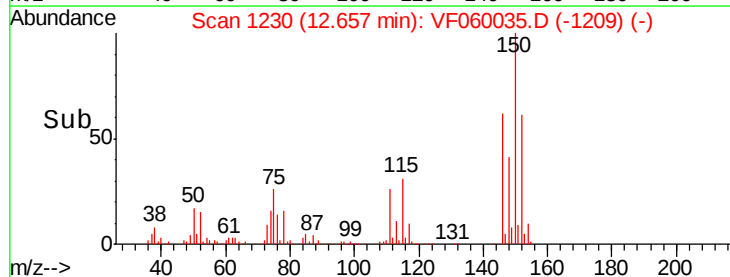
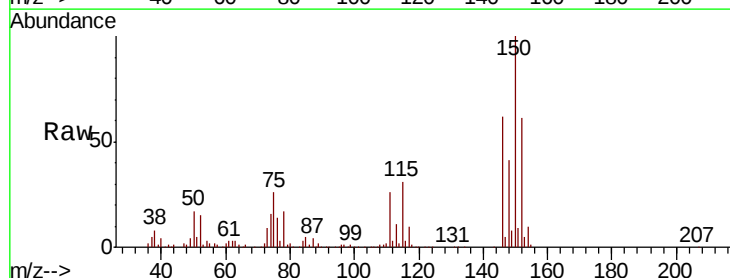
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

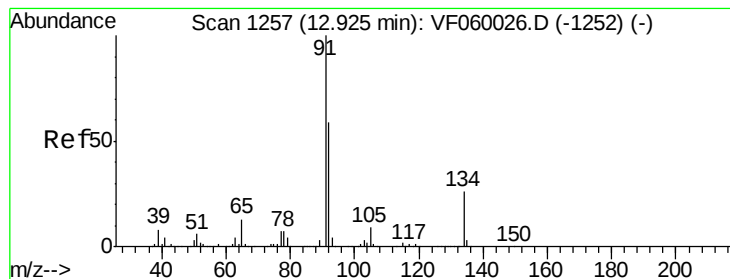
Tgt Ion:146 Resp: 145778
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.9 65.5
 148 63.7 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 21.553 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: 22.978 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

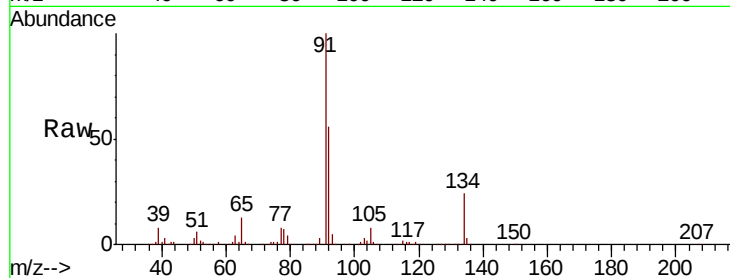
Tgt Ion: 91 Resp: 282600

Ion Ratio Lower Upper

91 100

92 56.4 29.3 87.9

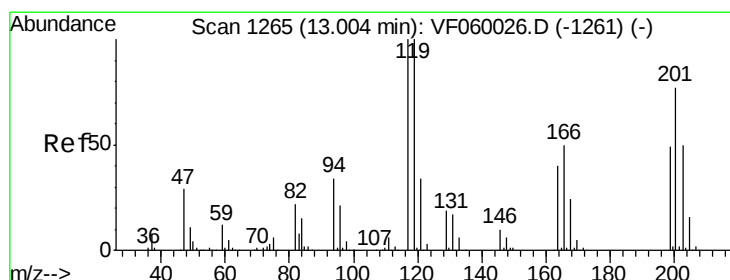
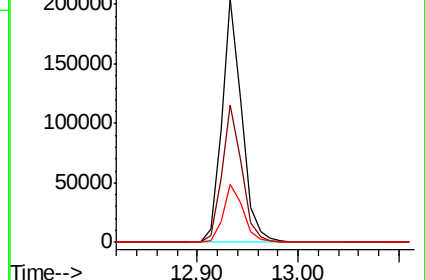
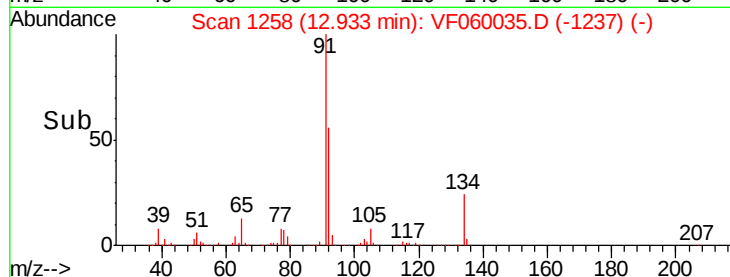
134 23.9 12.8 38.3



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: 21.383 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF060035.D

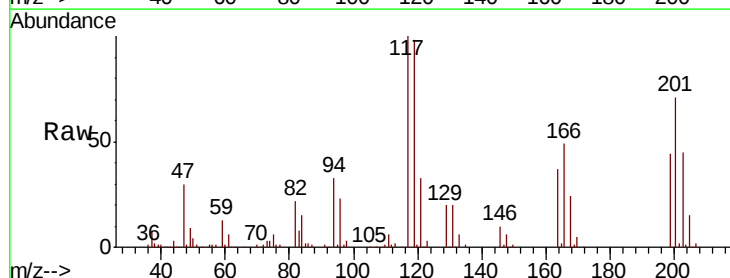
Acq: 22 Aug 2018 12:58

Tgt Ion: 117 Resp: 60826

Ion Ratio Lower Upper

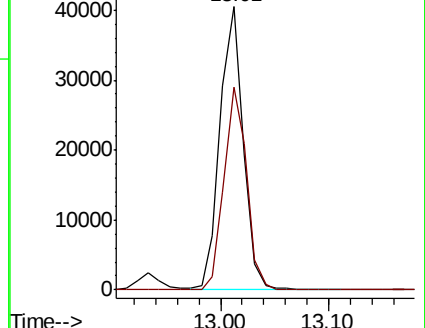
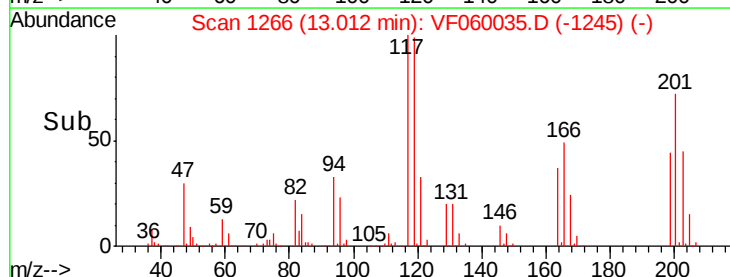
117 100

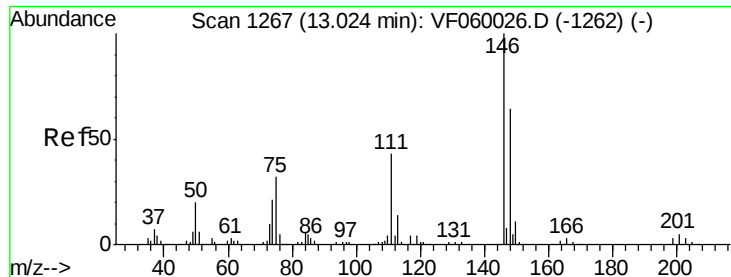
201 71.5 38.6 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.929 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

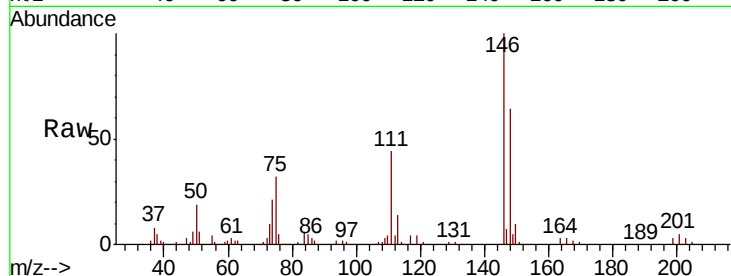
Tgt Ion:146 Resp: 136789

Ion Ratio Lower Upper

146 100

111 44.3 21.6 64.6

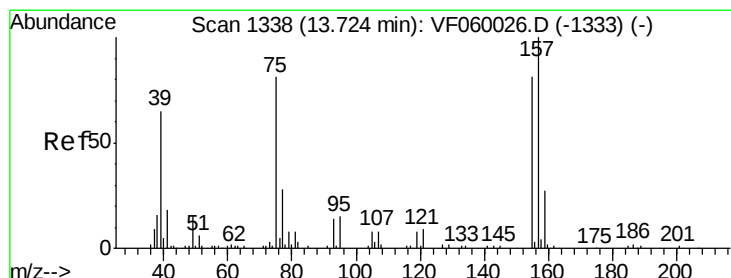
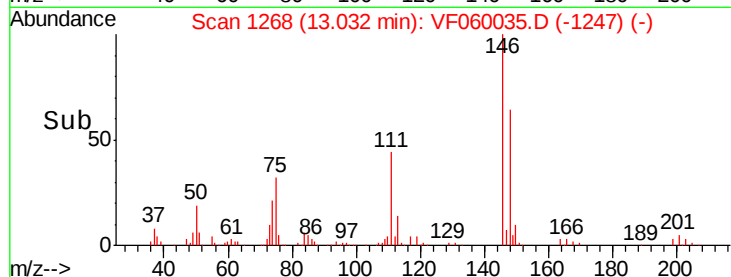
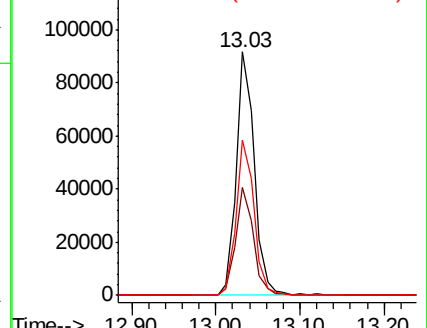
148 63.7 32.3 96.8



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: 18.278 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

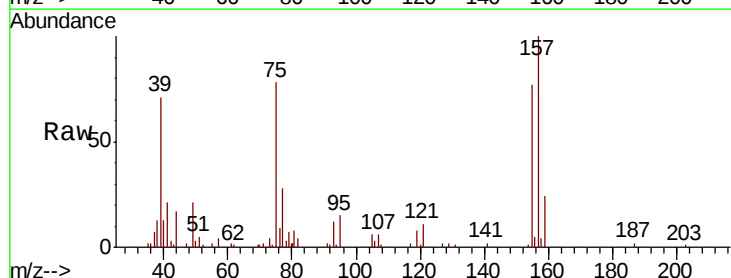
Tgt Ion: 75 Resp: 10522

Ion Ratio Lower Upper

75 100

155 99.9 49.8 149.3

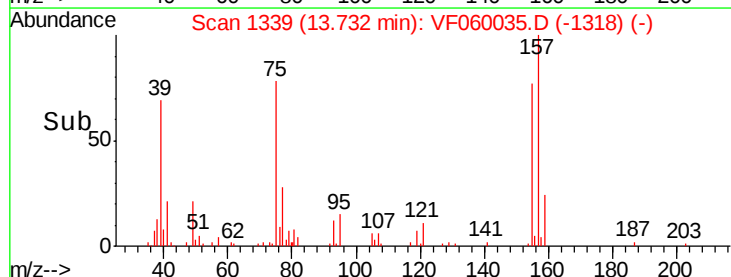
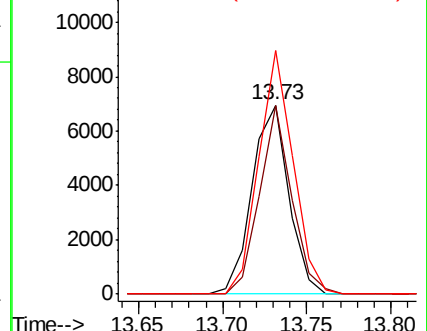
157 128.9 61.6 184.7

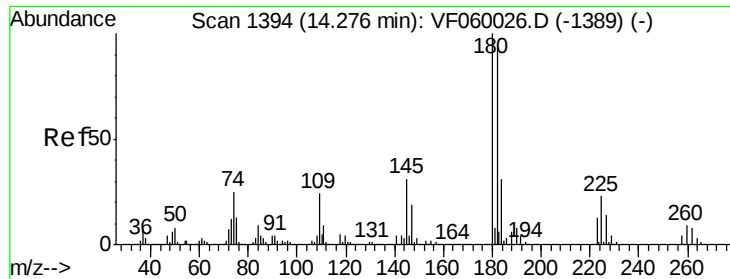


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 22.416 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 :

VF0822SBSD01

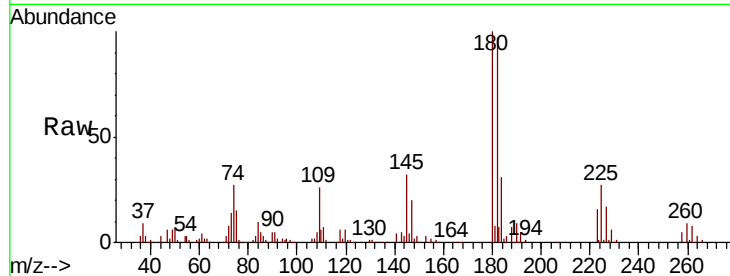
Tgt Ion:180 Resp: 102963

Ion Ratio Lower Upper

180 100

182 97.4 46.8 140.3

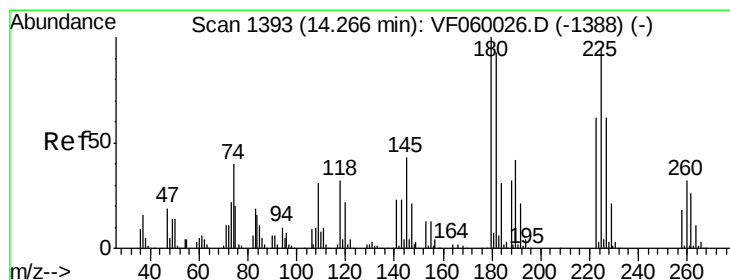
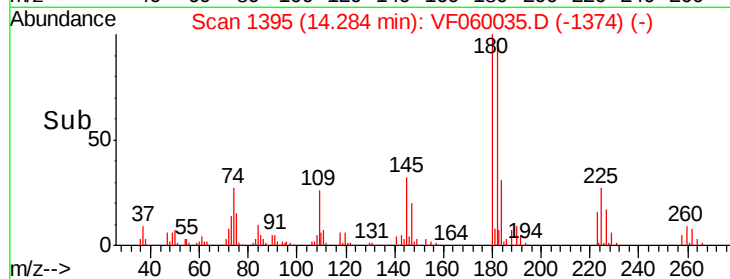
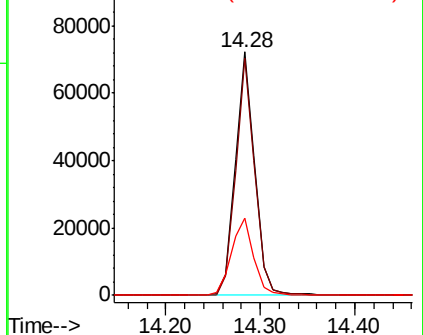
145 31.6 15.4 46.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 21.629 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VF060035.D

Acq: 22 Aug 2018 12:58

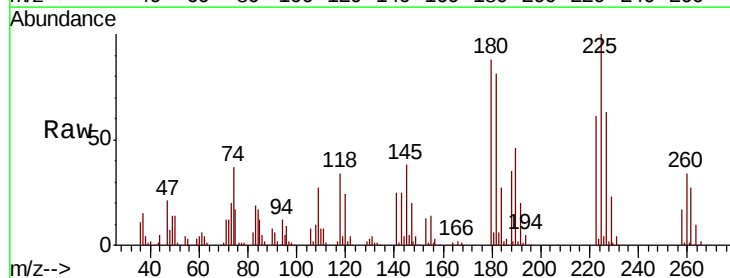
Tgt Ion:225 Resp: 61836

Ion Ratio Lower Upper

225 100

223 60.6 32.6 97.8

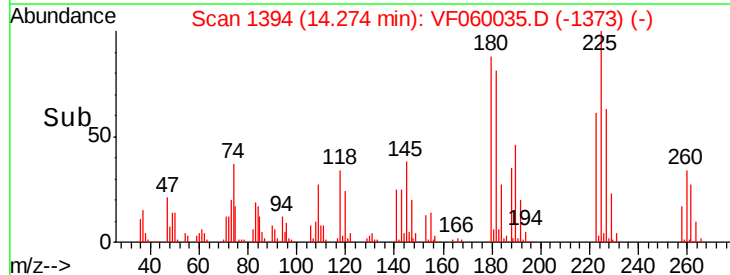
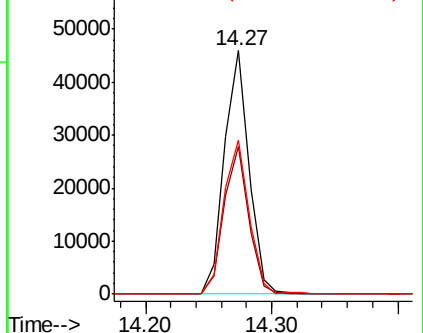
227 63.3 33.0 98.9

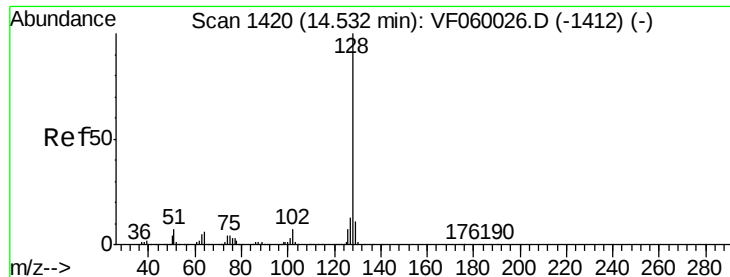


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

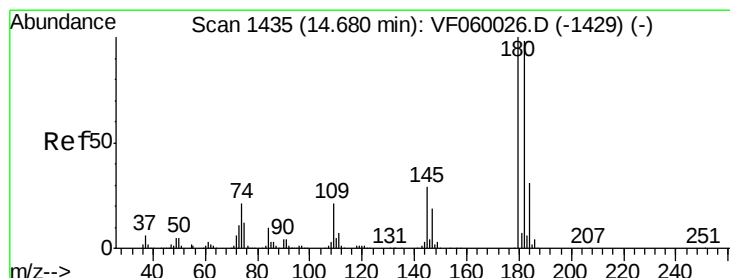
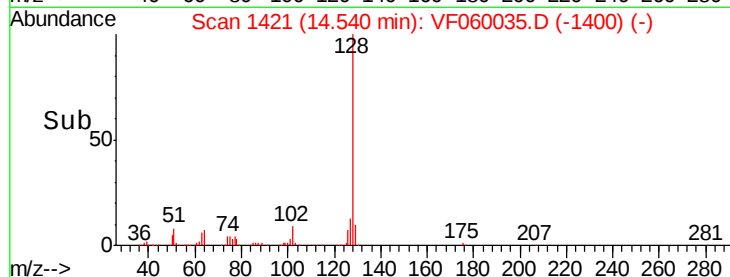
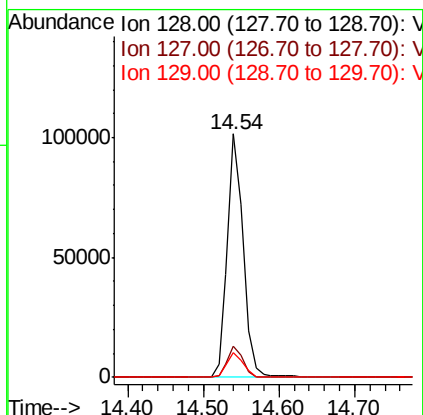
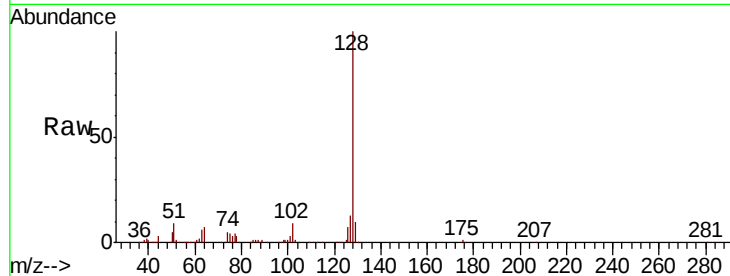




#95
Naphthalene
Concen: 20.168 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF060035.D
Acq: 22 Aug 2018 12:58

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tgt 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: 22.063 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

