

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060782.D
 Acq On : 19 Nov 2018 17:37
 Operator : VA/AP
 Sample : VF1119SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Quant Time: Nov 20 02:18:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	149057	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	253750	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	236558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	138541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	94024	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	4.12	113	104865	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
50) Toluene-d8	7.56	98	274301	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
62) 4-Bromofluorobenzene	11.41	95	138129	62.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	65406	24.519	ug/l	96
3) Chloromethane	1.10	50	37668	22.769	ug/l	95
4) Vinyl Chloride	1.14	62	34627	23.398	ug/l	96
5) Bromomethane	1.31	94	24884	26.470	ug/l	99
6) Chloroethane	1.37	64	14495	25.033	ug/l	94
7) Trichlorofluoromethane	1.48	101	81680	24.958	ug/l	97
8) Diethyl Ether	1.64	74	8941	21.323	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.81	101	39153	25.387	ug/l	96
10) Methyl Iodide	1.84	142	17776	7.184	ug/l	88
11) Tert butyl alcohol	2.57	59	9952	128.618	ug/l	99
12) 1,1-Dichloroethene	1.78	96	28952	23.808	ug/l	99
13) Acrolein	2.00	56	6555	92.652	ug/l	98
14) Allyl chloride	2.10	41	49147	23.069	ug/l	97
15) Acrylonitrile	2.95	53	20881	126.645	ug/l	93
16) Acetone	2.24	43	48158	132.521	ug/l	94
17) Carbon Disulfide	1.76	76	19494	5.304	ug/l	93
18) Methyl Acetate	2.35	43	16597	27.814	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	65829	22.565	ug/l	100
20) Methylene Chloride	2.18	84	15535	10.609	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	29152	22.945	ug/l	91
22) Diisopropyl ether	2.80	45	95690	23.265	ug/l	99
23) Vinyl Acetate	3.19	43	228026	117.733	ug/l	99
24) 1,1-Dichloroethane	2.87	63	61341	24.634	ug/l	100
25) 2-Butanone	4.34	43	69690	116.591	ug/l	94
26) 2,2-Dichloropropane	3.60	77	47464	24.222	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	49839	23.059	ug/l	97
28) Bromochloromethane	3.72	49	27702	21.406	ug/l	89
29) Tetrahydrofuran	4.07	42	26552	107.692	ug/l	97
30) Chloroform	3.87	83	96440	24.139	ug/l	91
31) Cyclohexane	3.70	56	62381	20.641	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	75181	23.896	ug/l	98
36) 1,1-Dichloropropene	4.29	75	67531	22.947	ug/l	99
37) Ethyl Acetate	4.11	43	25127	22.966	ug/l	94
38) Carbon Tetrachloride	3.99	117	71555	25.058	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	78790	23.077	ug/l	97
40) Benzene	4.64	78	139641	21.286	ug/l	98
41) Methacrylonitrile	4.75	41	13419	20.445	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	54553	24.064	ug/l	98
43) Isopropyl Acetate	6.96	43	29012	19.999	ug/l #	100
44) Trichloroethene	5.51	130	47342	22.873	ug/l	96
45) 1,2-Dichloropropane	6.24	63	36615	21.449	ug/l	95
46) Dibromomethane	6.09	93	25858	22.947	ug/l	91
47) Bromodichloromethane	6.39	83	65191	22.655	ug/l	94
48) Methyl methacrylate	6.72	41	20645	21.504	ug/l	94
49) 1,4-Dioxane	6.72	88	4003	445.824	ug/l	92
51) 4-Methyl-2-Pentanone	8.27	43	120002	114.377	ug/l	97
52) Toluene	7.62	92	95558	21.737	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	54302	23.561	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	64785	21.640	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	27767	22.107	ug/l	93
56) Ethyl methacrylate	8.62	69	26866	18.834	ug/l	96
57) 1,3-Dichloropropane	8.86	76	48735	22.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	15049	115.487	ug/l	100
59) 2-Hexanone	9.50	43	79669	108.051	ug/l	99
60) Dibromochloromethane	8.72	129	41201	23.016	ug/l	92
61) 1,2-Dibromoethane	9.00	107	30214	22.872	ug/l	99
64) Tetrachloroethene	8.16	164	42033	22.438	ug/l	96
65) Chlorobenzene	9.80	112	103468	21.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	48354	23.224	ug/l	95
67) Ethyl Benzene	9.91	91	194475	21.613	ug/l	98
68) m/p-Xylenes	10.14	106	153913	47.865	ug/l	89
69) o-Xylene	10.72	106	81693	22.597	ug/l	97
70) Styrene	10.79	104	114059	23.247	ug/l	94
71) Bromoform	10.78	173	21960	23.455	ug/l	96
73) Isopropylbenzene	11.13	105	256256	22.979	ug/l	96
74) N-amyl acetate	11.37	43	54964	21.651	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	42183	22.880	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	29334	21.423	ug/l	92
77) Bromobenzene	11.50	156	51861	22.342	ug/l	96
78) n-propylbenzene	11.60	91	300439	23.100	ug/l	96
79) 2-Chlorotoluene	11.73	91	167900	22.212	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	212524	24.005	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	17478	25.982	ug/l	96
82) 4-Chlorotoluene	11.91	91	167208	21.592	ug/l	100
83) tert-Butylbenzene	12.13	119	215383	22.912	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	206857	22.592	ug/l	95
85) sec-Butylbenzene	12.31	105	292806	22.962	ug/l	95
86) p-Isopropyltoluene	12.47	119	244239	22.933	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	105186	22.770	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	103004	23.201	ug/l	95
89) n-Butylbenzene	12.85	91	255325	23.492	ug/l	92
90) Hexachloroethane	12.92	117	58947	22.629	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	99477	22.871	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7643	22.056	ug/l	90

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

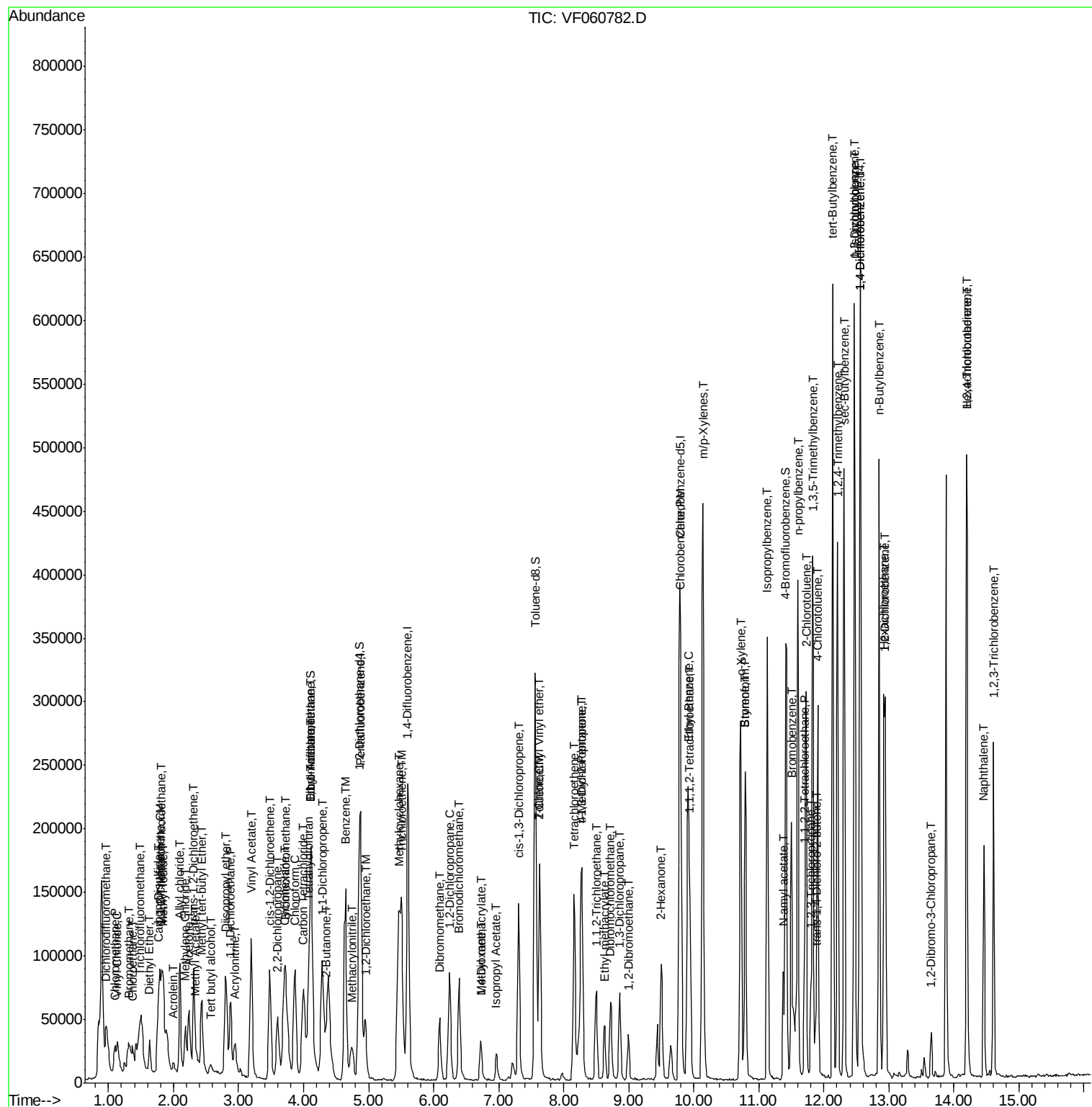
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72487	23.187	ug/l	92
94) Hexachlorobutadiene	14.19	225	46526	22.775	ug/l	99
95) Naphthalene	14.46	128	122915	21.548	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	64427	22.303	ug/l	98

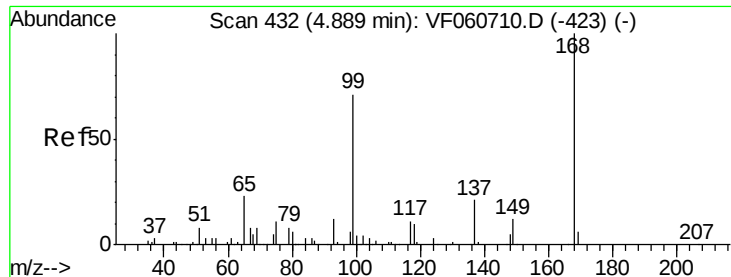
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

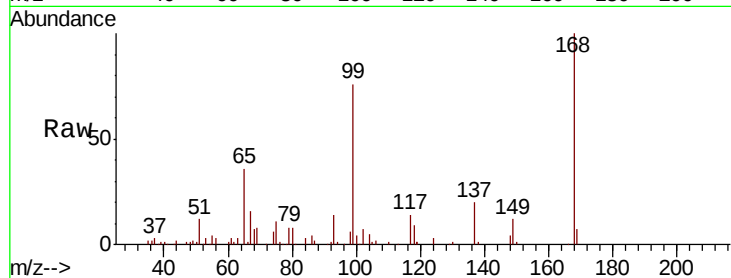
VF1119SBS01

Tot Ion:168 Resp: 149057

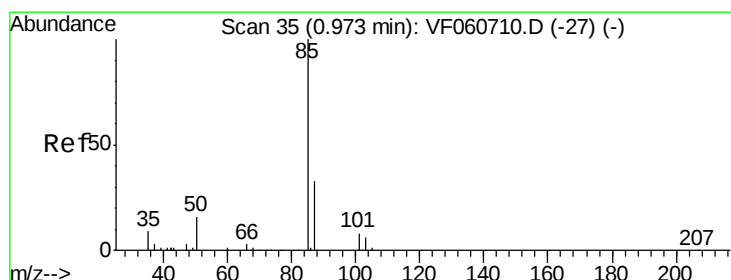
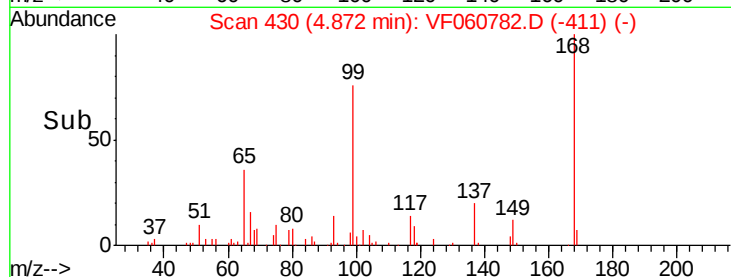
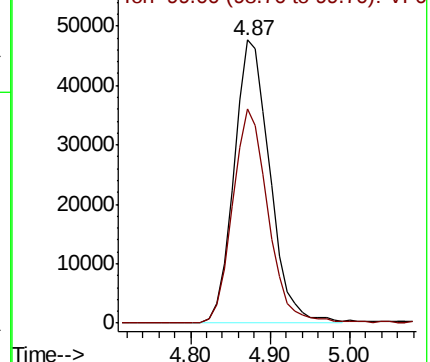
Ion Ratio Lower Upper

168 100

99 75.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.519 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060782.D

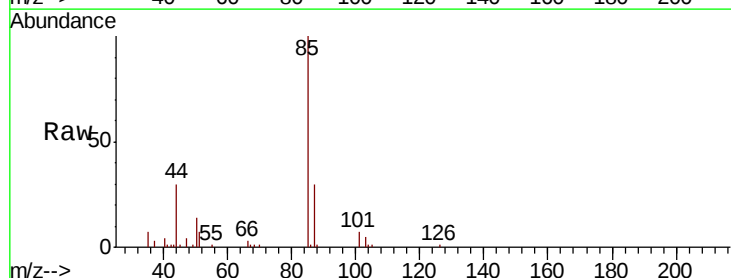
Acq: 19 Nov 2018 17:37

Tgt Ion: 85 Resp: 65406

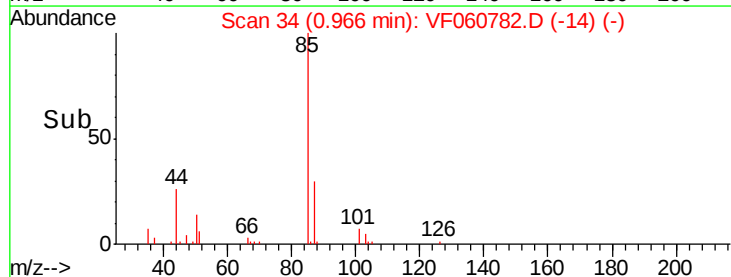
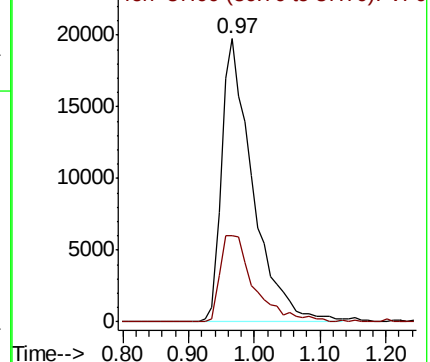
Ion Ratio Lower Upper

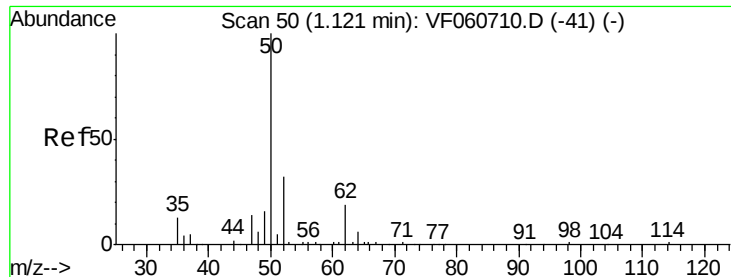
85 100

87 30.4 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 22.769 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

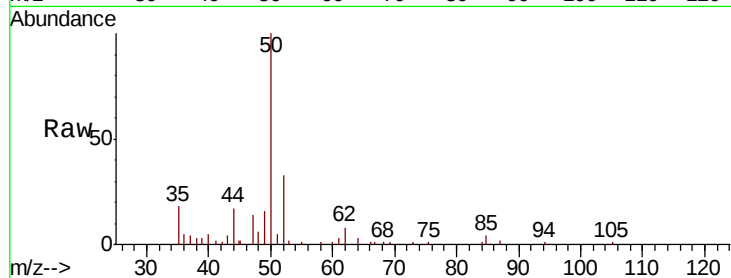
VF1119SBS01

Tot Ion: 50 Resp: 37668

Ion Ratio Lower Upper

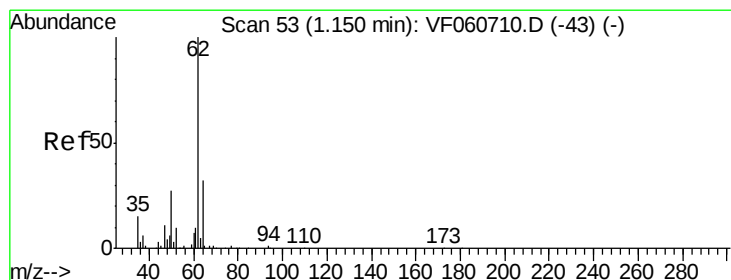
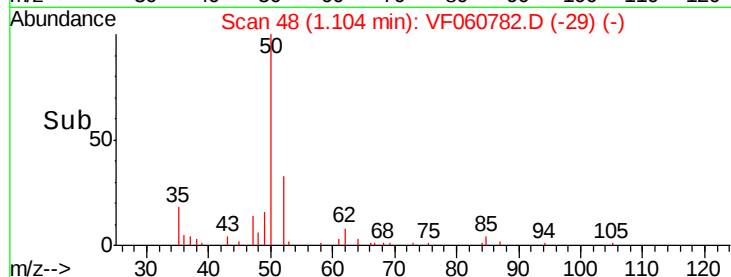
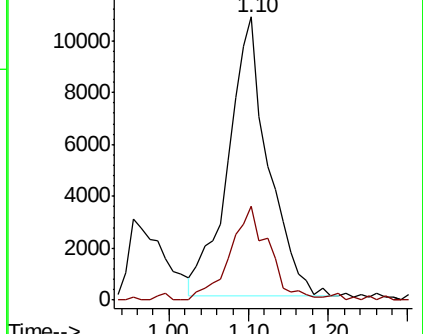
50 100

52 33.1 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.398 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060782.D

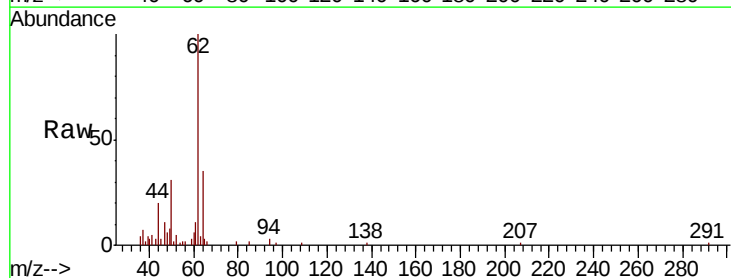
Acq: 19 Nov 2018 17:37

Tgt Ion: 62 Resp: 34627

Ion Ratio Lower Upper

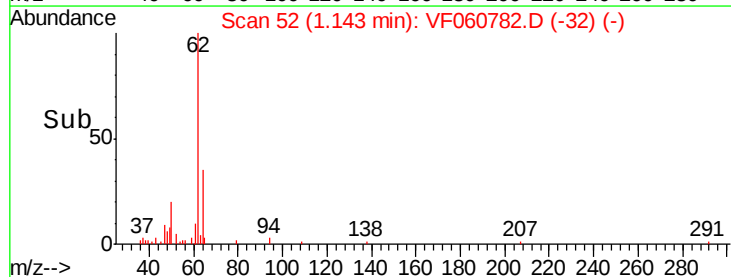
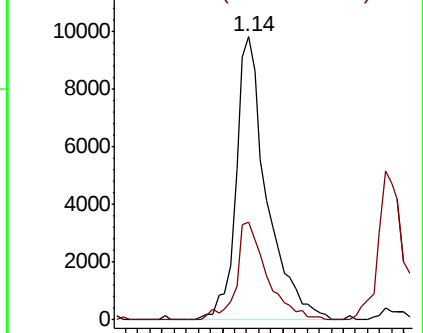
62 100

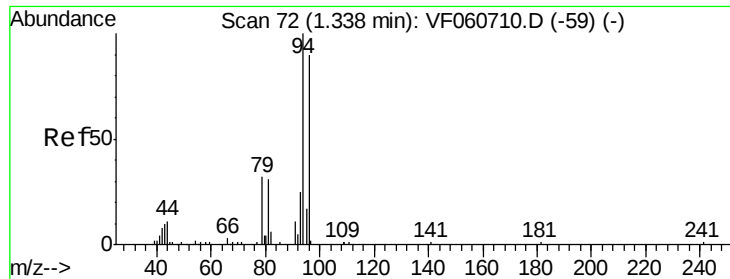
64 34.6 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 26.470 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

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Acq: 19 Nov 2018 17:37

Instrument :

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ClientSampleId :

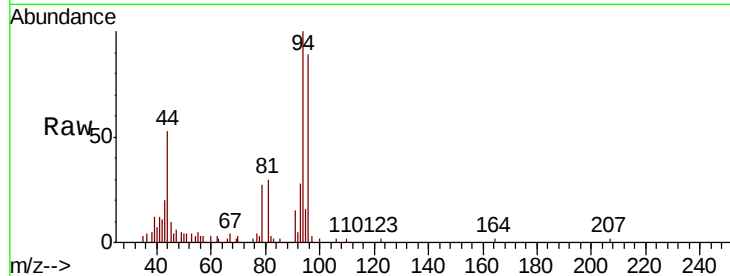
VF1119SBS01

Tot Ion: 94 Resp: 24884

Ion Ratio Lower Upper

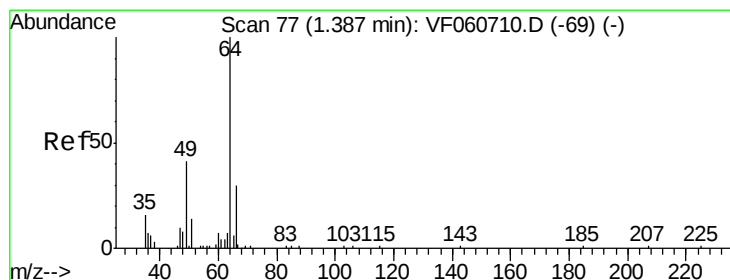
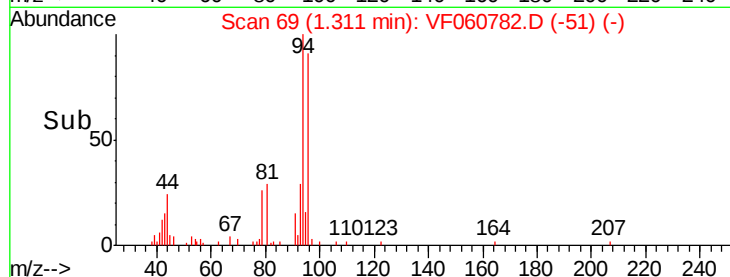
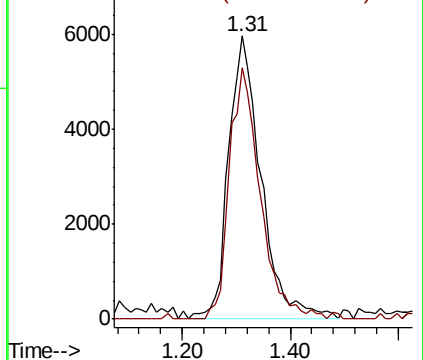
94 100

96 88.8 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 25.033 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060782.D

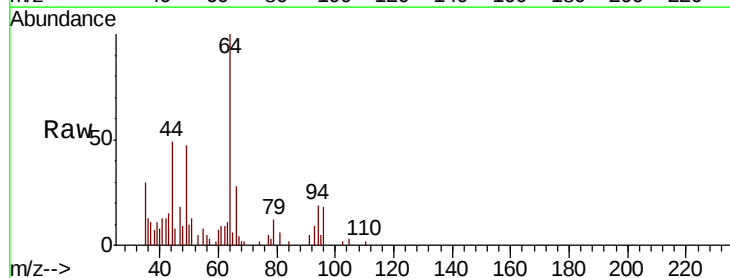
Acq: 19 Nov 2018 17:37

Tgt Ion: 64 Resp: 14495

Ion Ratio Lower Upper

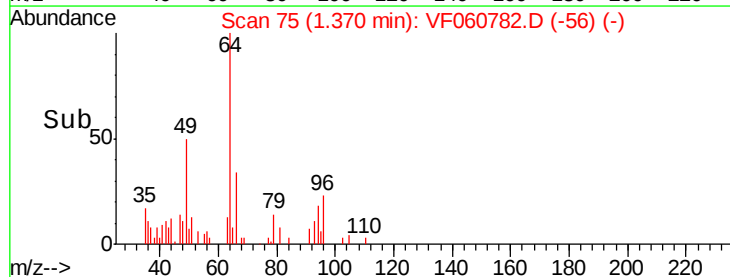
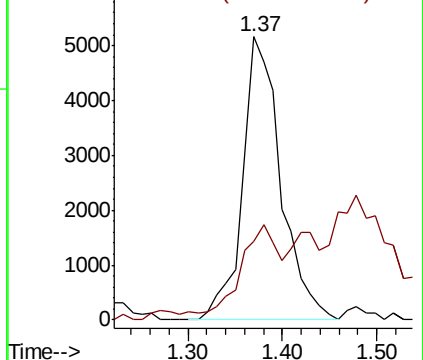
64 100

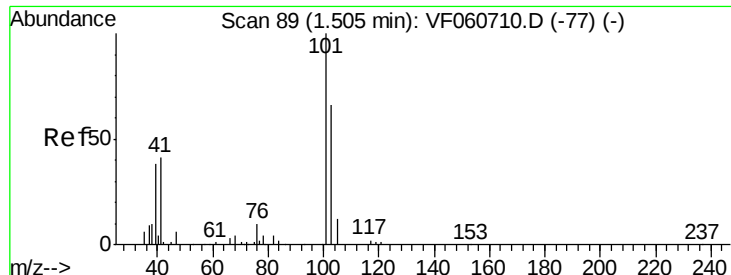
66 27.7 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 24.958 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.03 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

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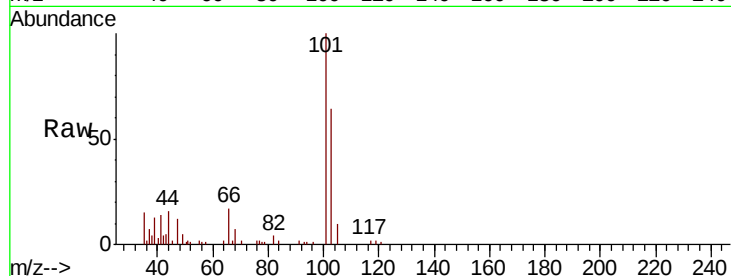
VF1119SBS01

Tot Ion:101 Resp: 81680

Ion Ratio Lower Upper

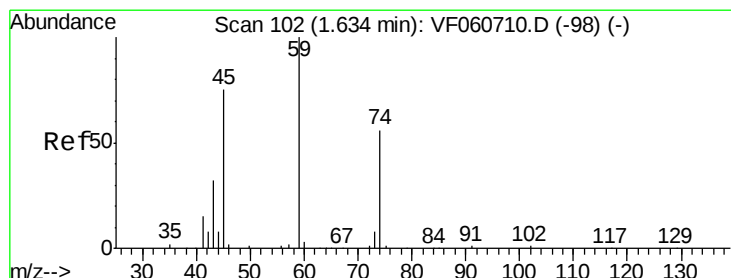
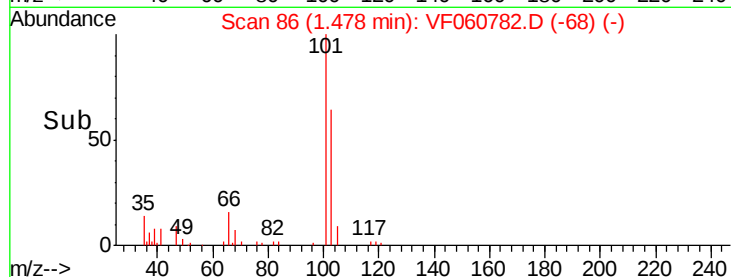
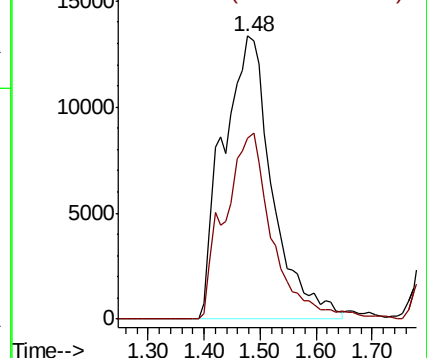
101 100

103 63.8 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.323 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060782.D

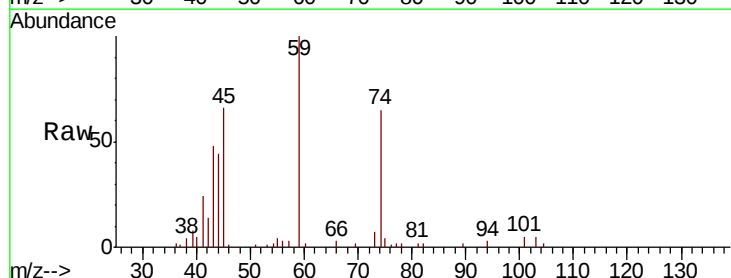
Acq: 19 Nov 2018 17:37

Tgt Ion: 74 Resp: 8941

Ion Ratio Lower Upper

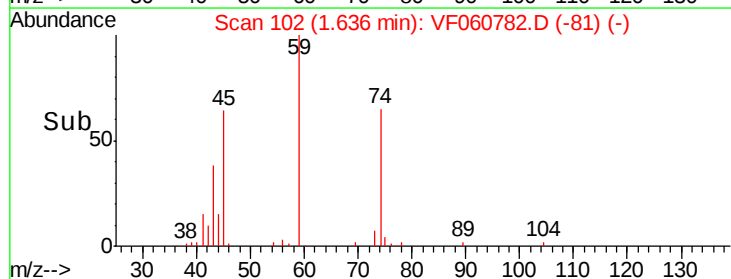
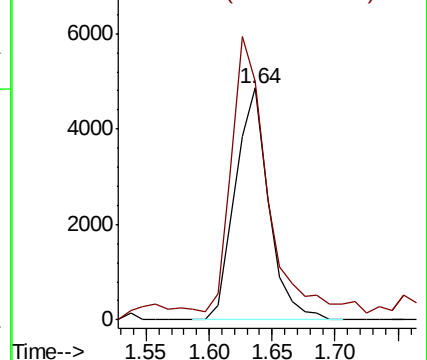
74 100

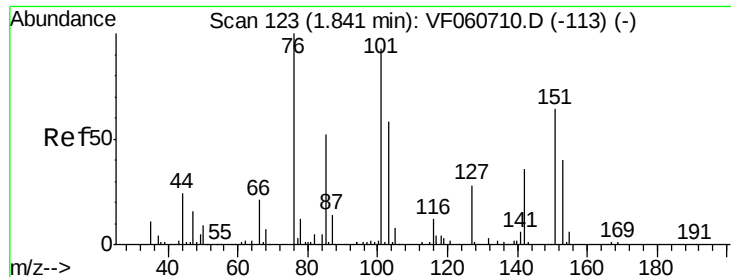
45 102.8 67.7 203.1



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: 25.387 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.03 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

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ClientSampleId :

VF1119SBS01

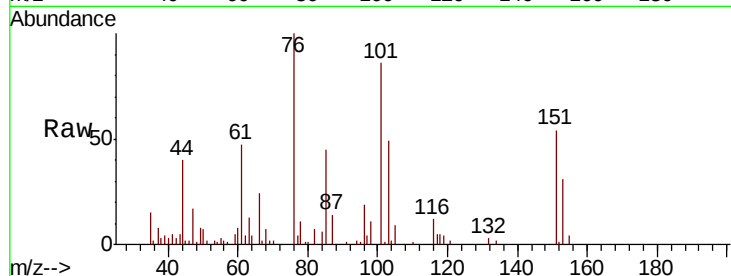
Tot Ion:101 Resp: 39153

Ion Ratio Lower Upper

101 100

85 52.0 43.6 65.4

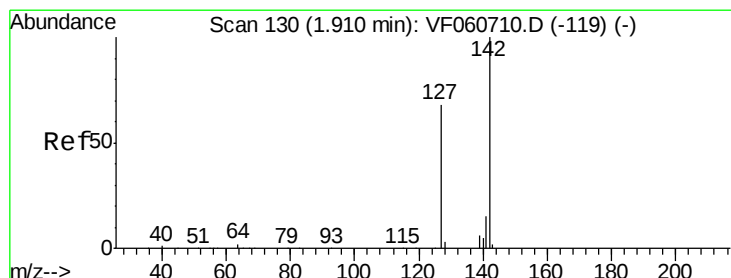
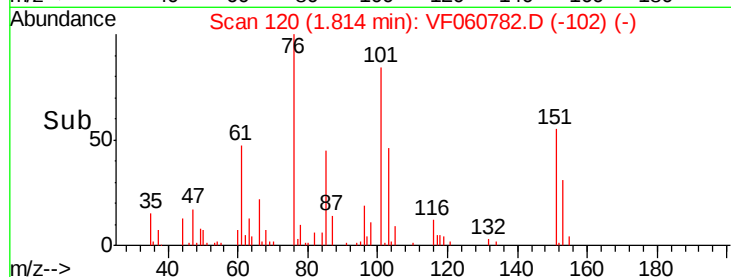
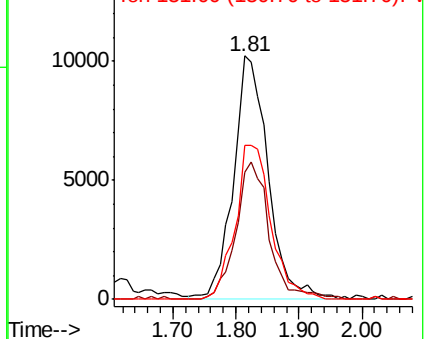
151 63.2 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 7.184 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.07 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

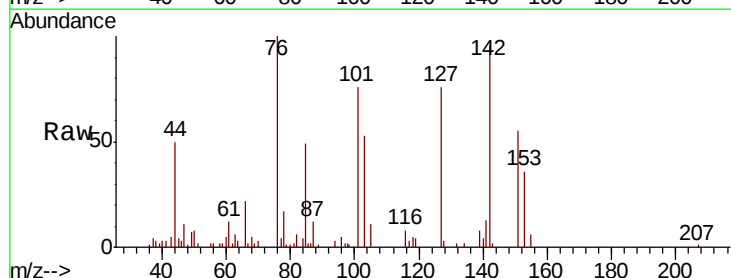
Tgt Ion:142 Resp: 17776

Ion Ratio Lower Upper

142 100

127 78.6 54.0 81.0

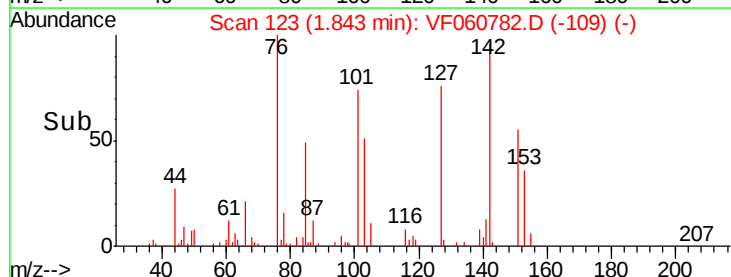
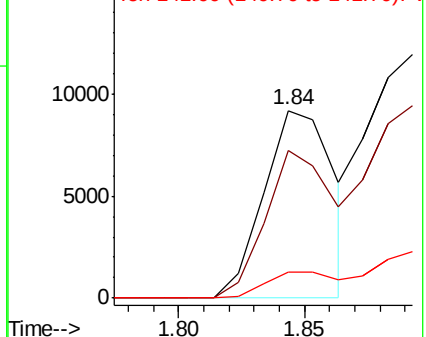
141 13.9 12.3 18.5

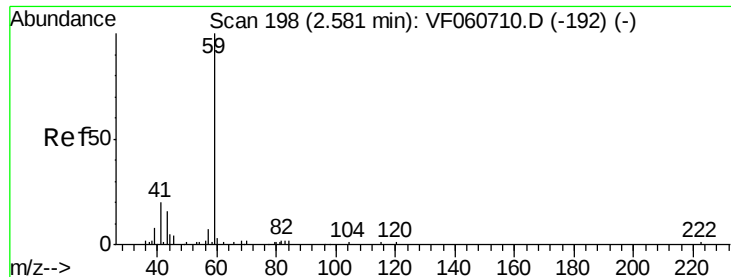


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

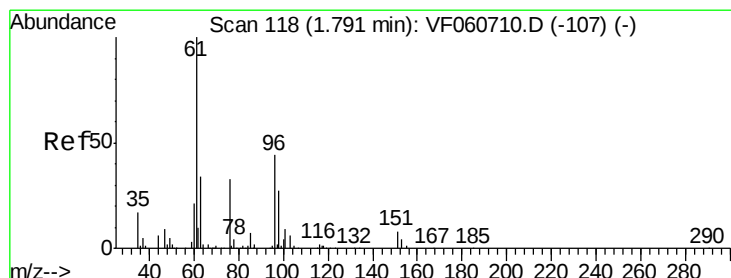
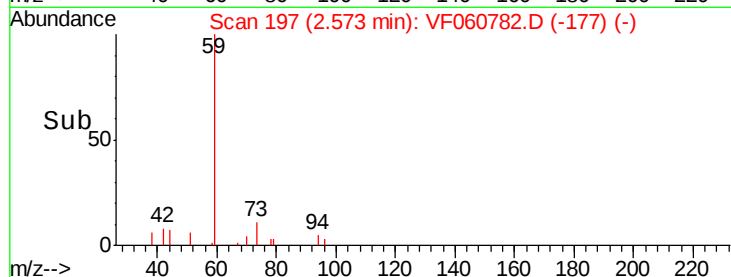
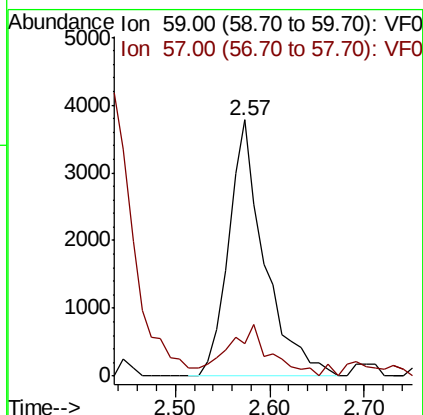
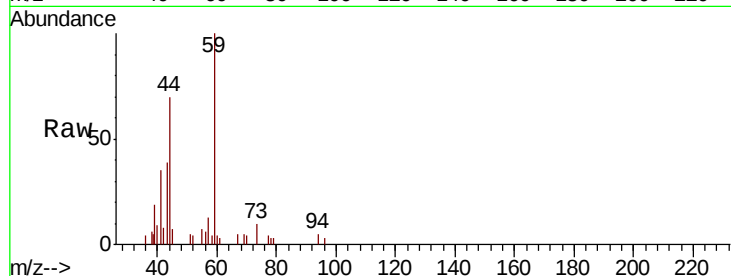




#11
Tert butyl alcohol
Concen: 128.618 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

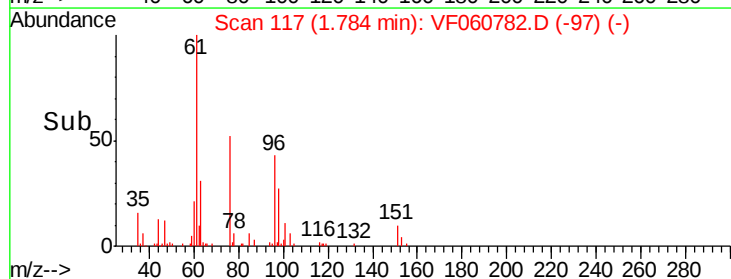
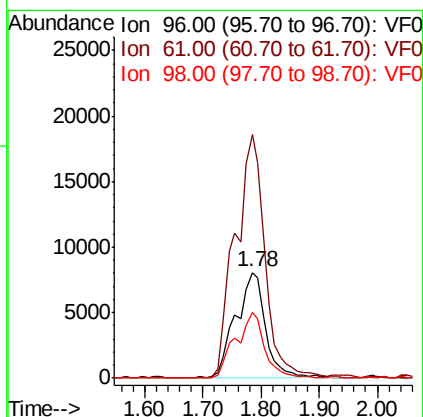
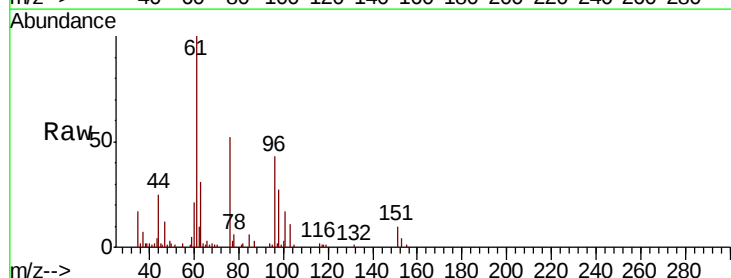
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

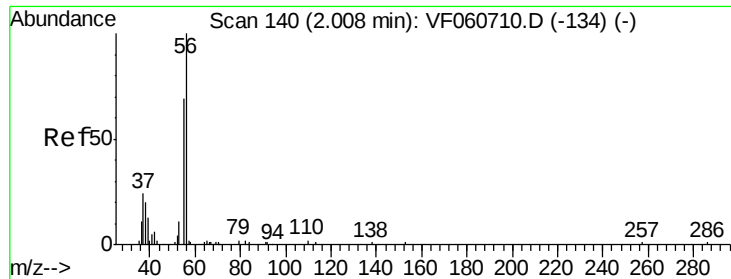
Tot Ion: 59 Resp: 9952
Ion Ratio Lower Upper
59 100
57 12.7 10.5 15.7



#12
1,1-Dichloroethene
Concen: 23.808 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 96 Resp: 28952
Ion Ratio Lower Upper
96 100
61 229.9 182.2 273.2
98 61.6 49.2 73.8





#13

Acrolein

Concen: 92.652 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

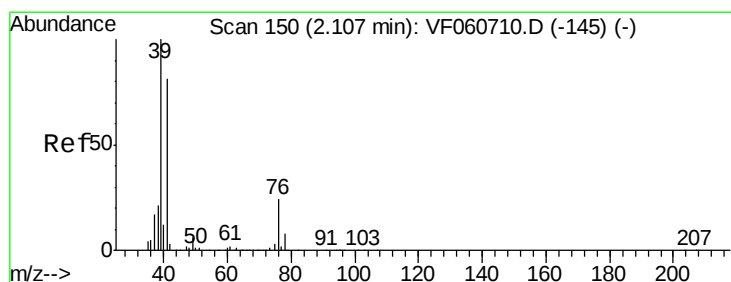
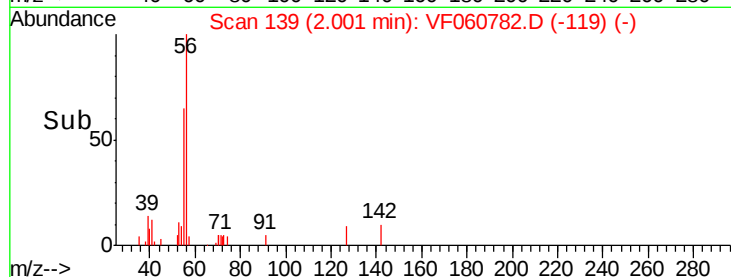
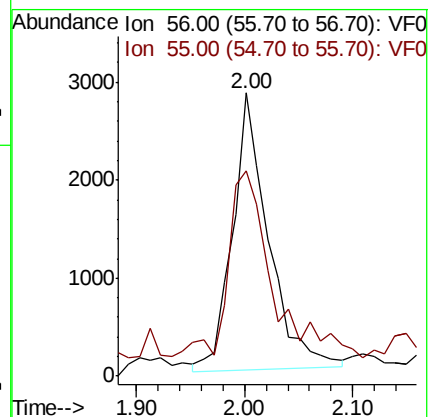
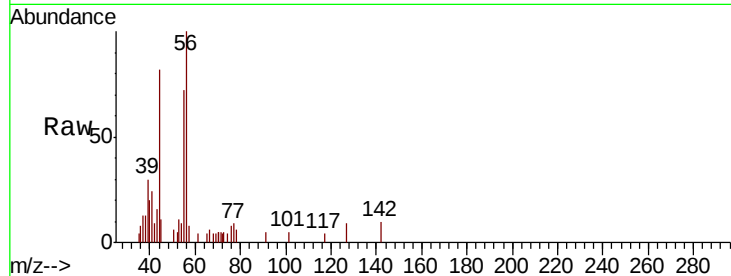
VF1119SBS01

Tot Ion: 56 Resp: 6555

Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



#14

Allyl chloride

Concen: 23.069 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

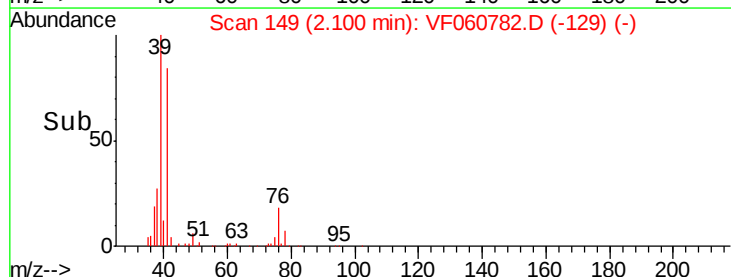
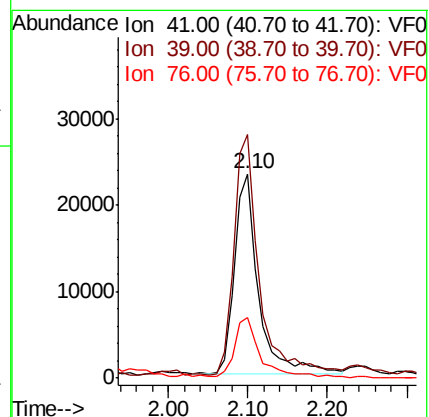
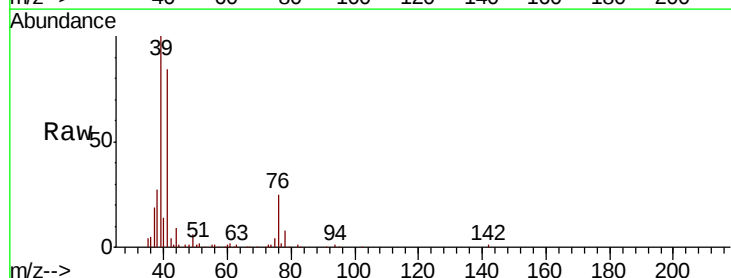
Tgt Ion: 41 Resp: 49147

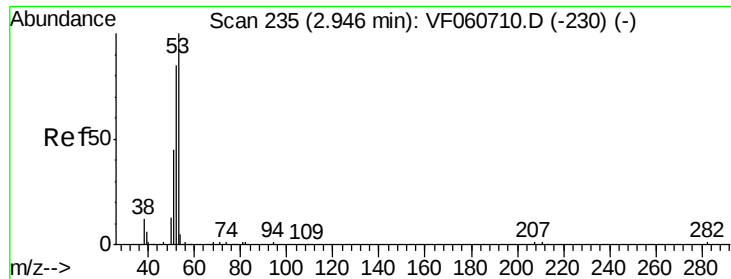
Ion Ratio Lower Upper

41 100

39 119.0 98.5 147.7

76 29.6 24.5 36.7





#15

Acrylonitrile

Concen: 126.645 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

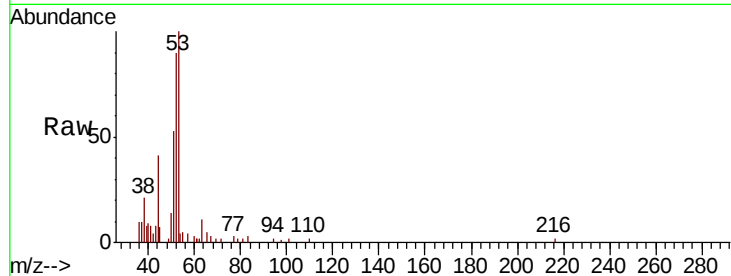
Tot Ion: 53 Resp: 20881

Ion Ratio Lower Upper

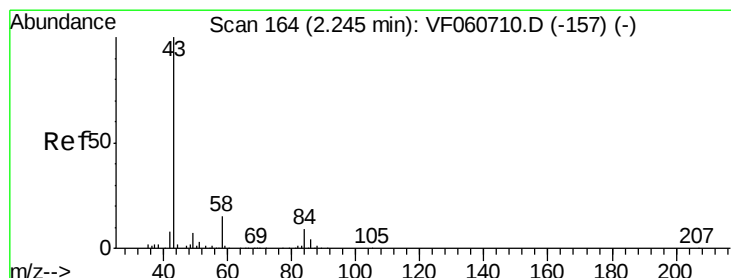
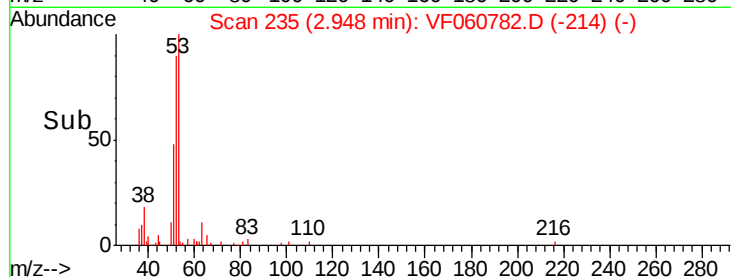
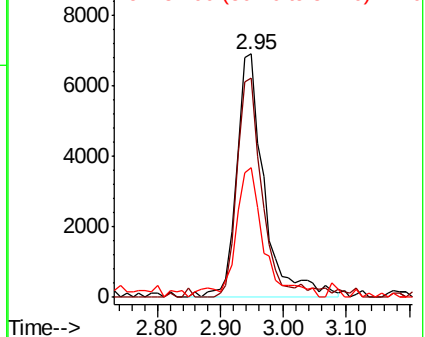
53 100

52 90.2 68.8 103.2

51 53.2 36.7 55.1



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: 132.521 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060782.D

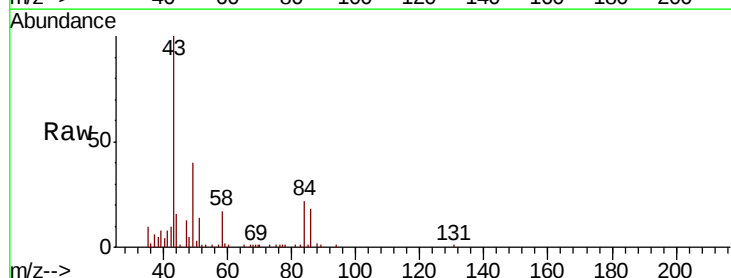
Acq: 19 Nov 2018 17:37

Tgt Ion: 43 Resp: 48158

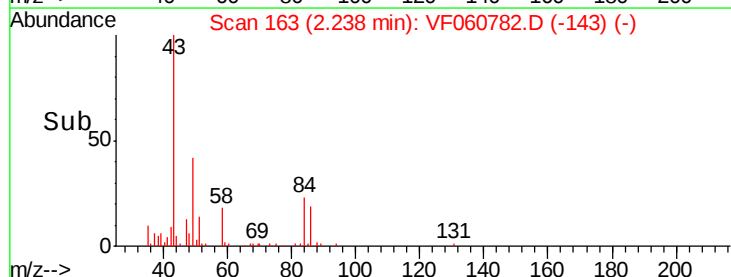
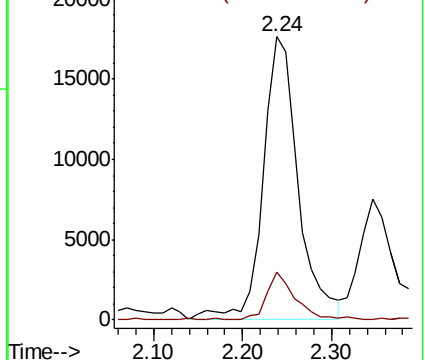
Ion Ratio Lower Upper

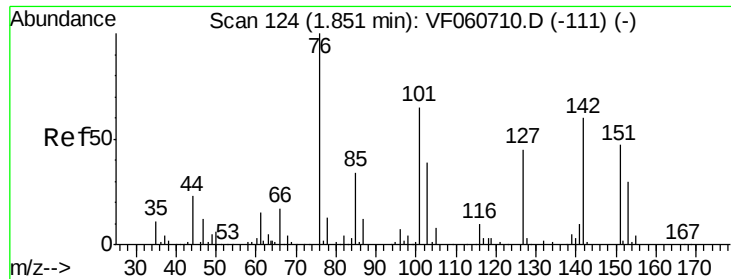
43 100

58 16.8 11.6 17.4



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

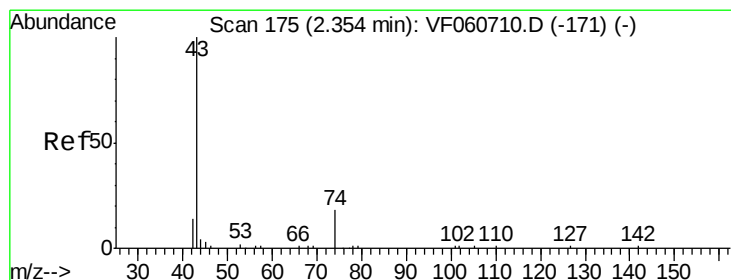
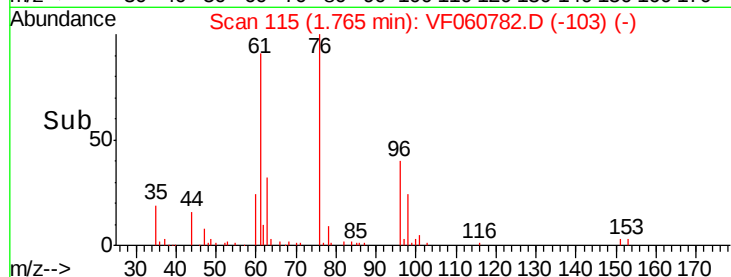
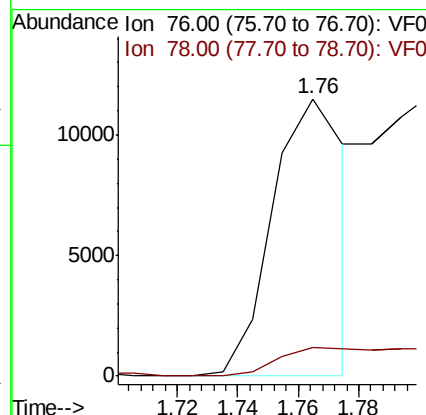
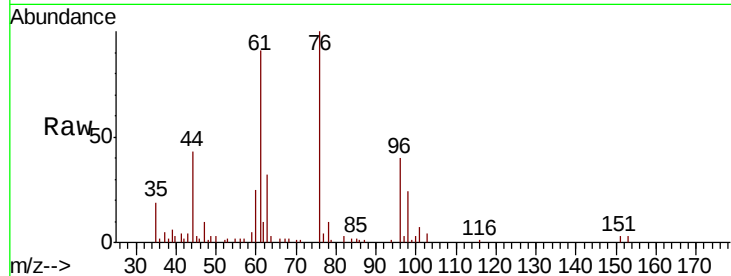




#17
Carbon Disulfide
Concen: 5.304 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.09 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

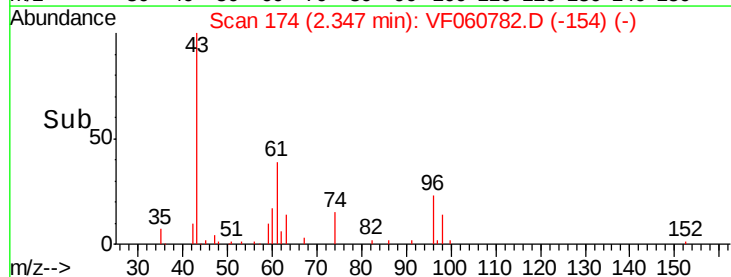
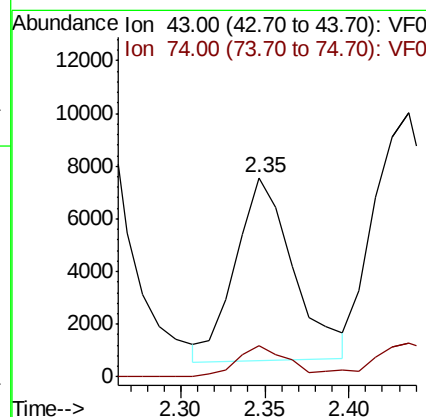
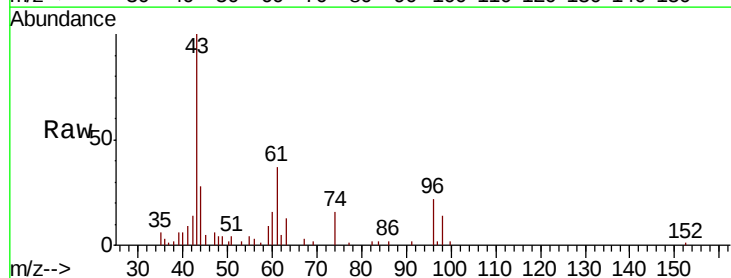
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

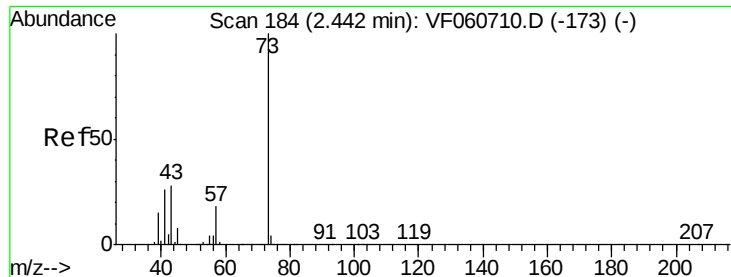
Tot Ion: 76 Resp: 19494
Ion Ratio Lower Upper
76 100
78 10.5 10.5 15.7



#18
Methyl Acetate
Concen: 27.814 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 43 Resp: 16597
Ion Ratio Lower Upper
43 100
74 15.8 11.8 17.8



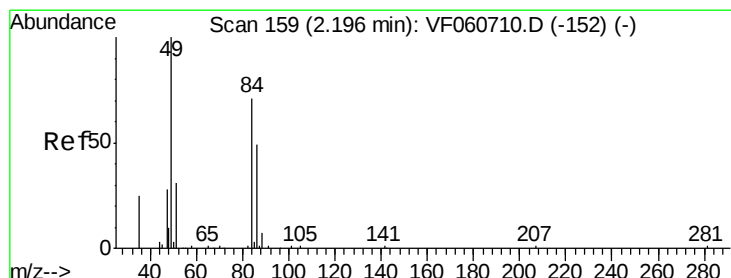
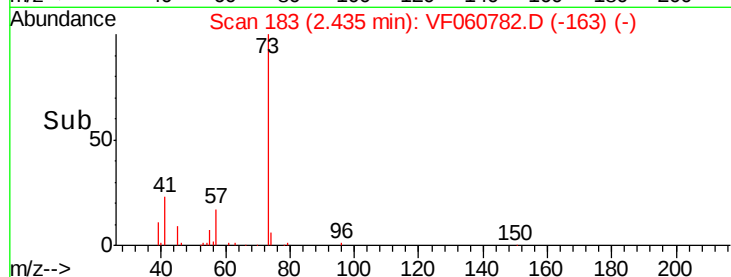
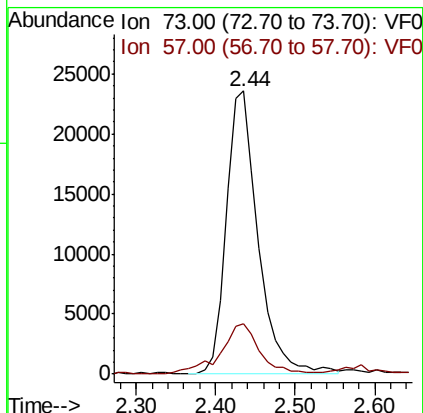
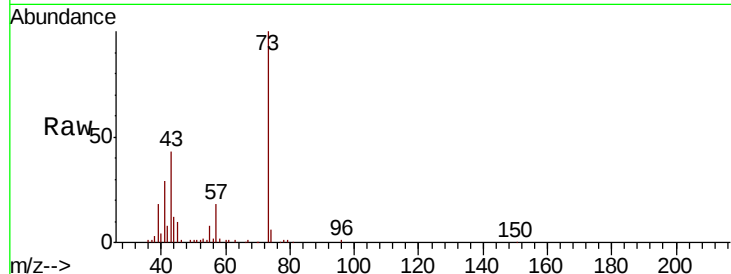


#19

Methyl tert-butyl Ether
 Concen: 22.565 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

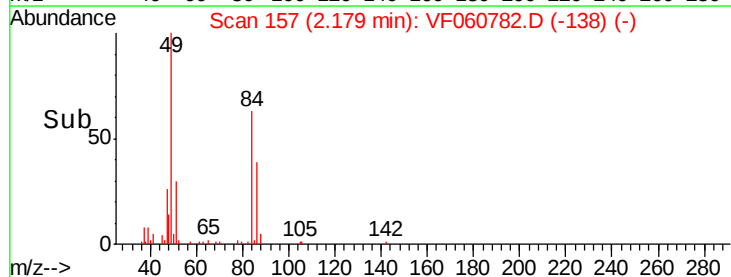
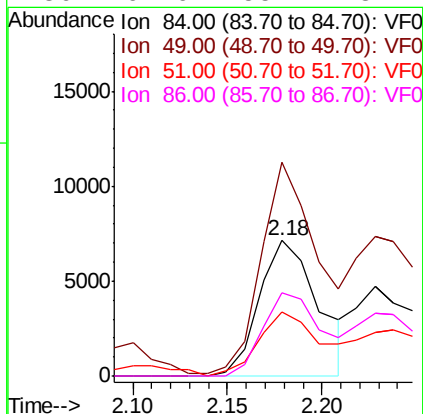
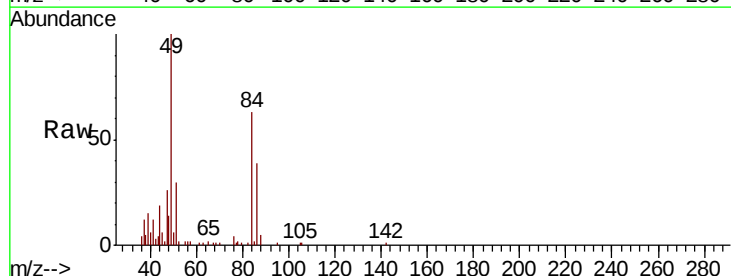
Tot Ion: 73 Resp: 65829
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.3 21.5

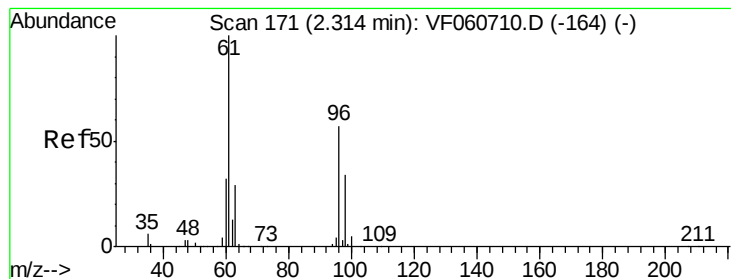


#20

Methylene Chloride
 Concen: 10.609 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion: 84 Resp: 15535
 Ion Ratio Lower Upper
 84 100
 49 158.1 120.2 180.4
 51 46.9 37.2 55.8
 86 61.6 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 22.945 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

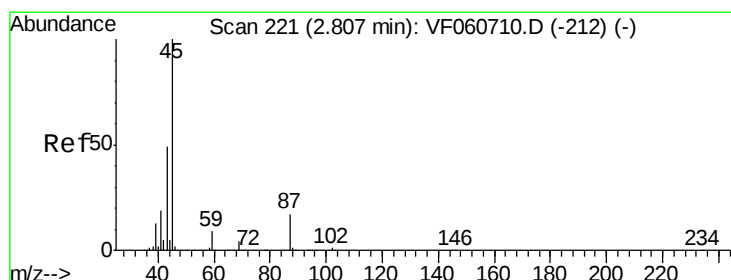
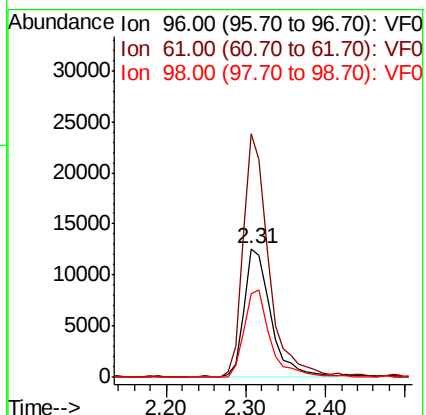
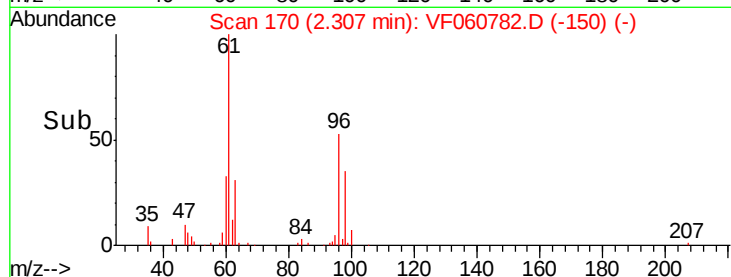
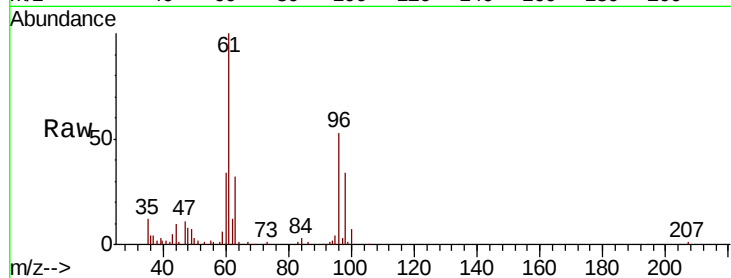
Tot Ion: 96 Resp: 29152

Ion Ratio Lower Upper

96 100

61 189.3 141.6 212.4

98 67.3 47.4 71.0



#22

Diisopropyl ether

Concen: 23.265 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion: 45 Resp: 95690

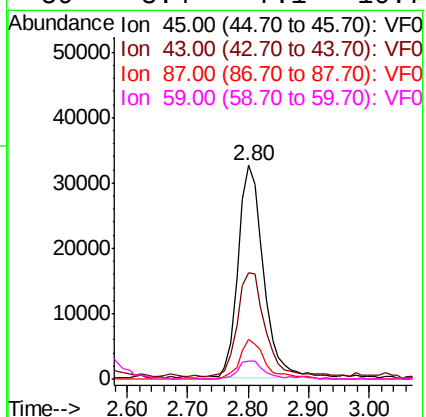
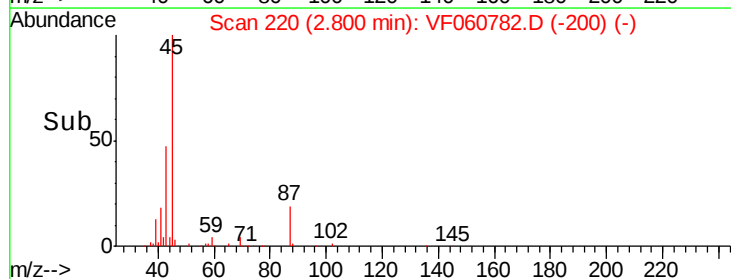
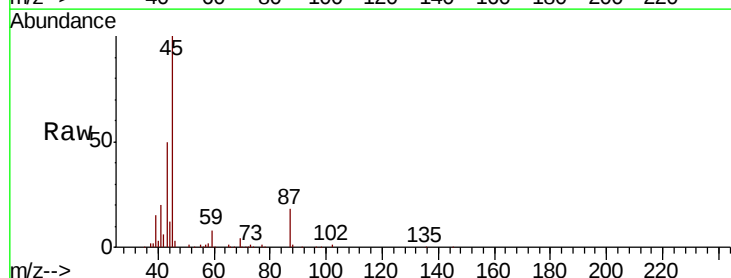
Ion Ratio Lower Upper

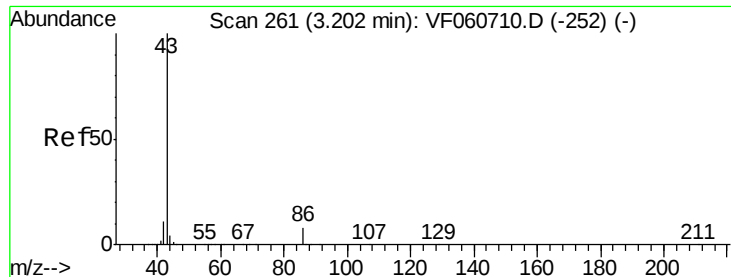
45 100

43 49.6 39.9 59.9

87 18.4 13.9 20.9

59 8.4 7.1 10.7





#23

Vinyl Acetate

Concen: 117.733 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

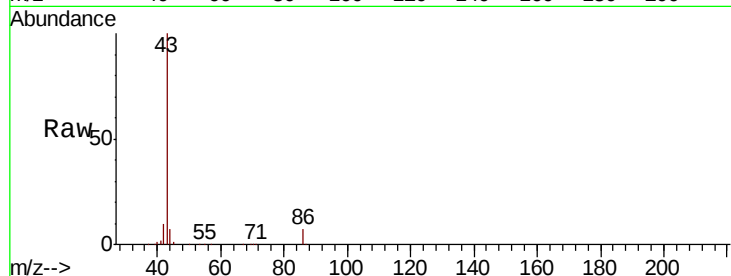
VF1119SBS01

Tot Ion: 43 Resp: 228026

Ion Ratio Lower Upper

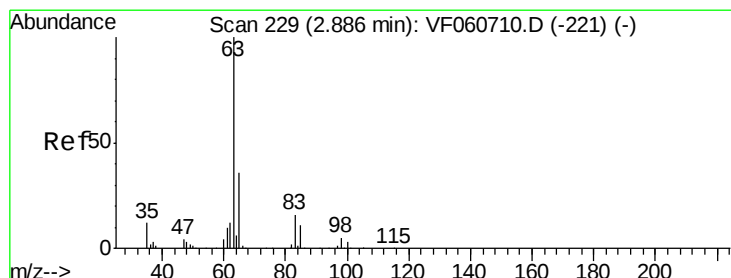
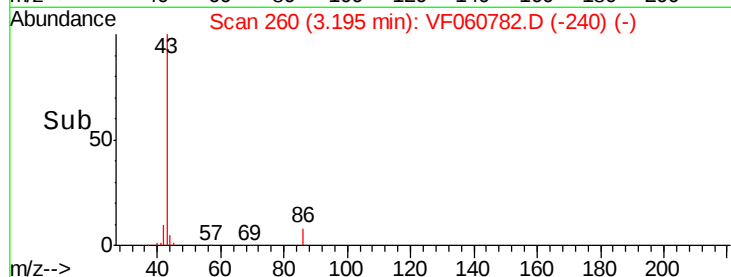
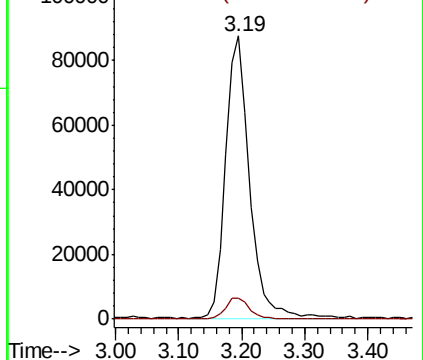
43 100

86 7.5 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.634 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

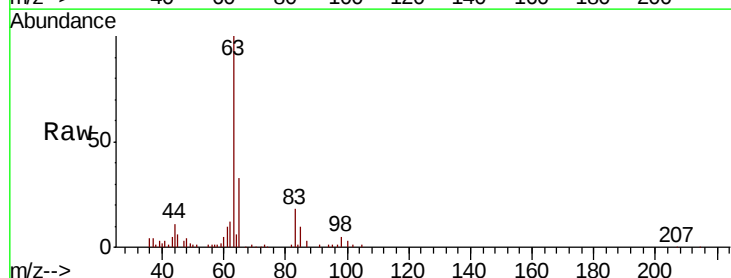
Tgt Ion: 63 Resp: 61341

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

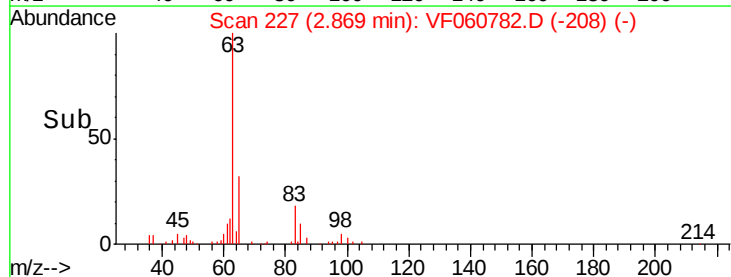
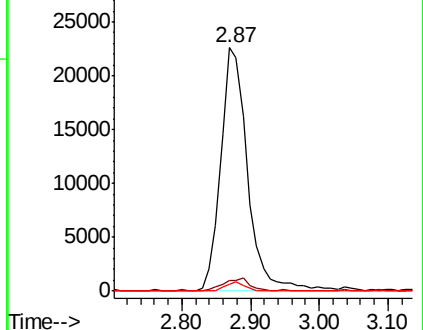
100 2.9 1.4 4.2

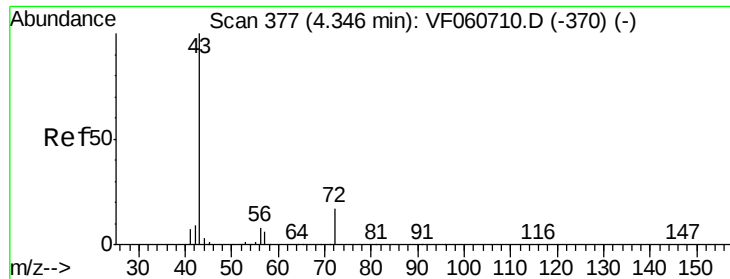


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 116.591 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

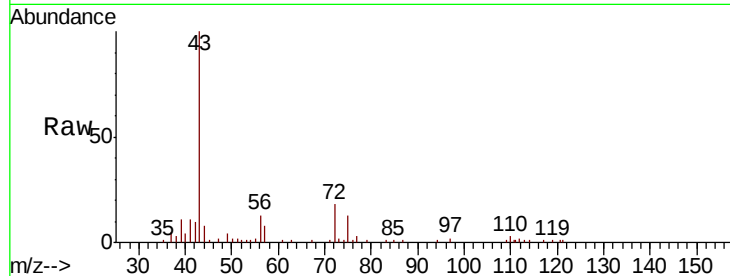
VF1119SBS01

Tot Ion: 43 Resp: 69690

Ion Ratio Lower Upper

43 100

72 17.6 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

20000

15000

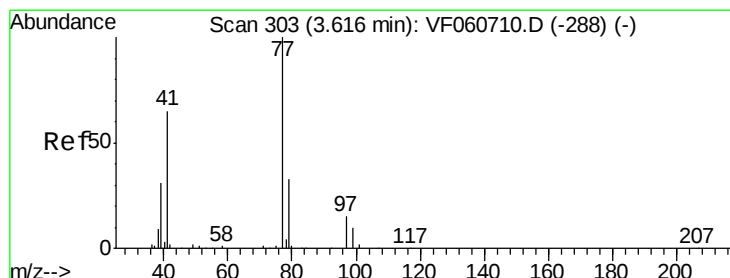
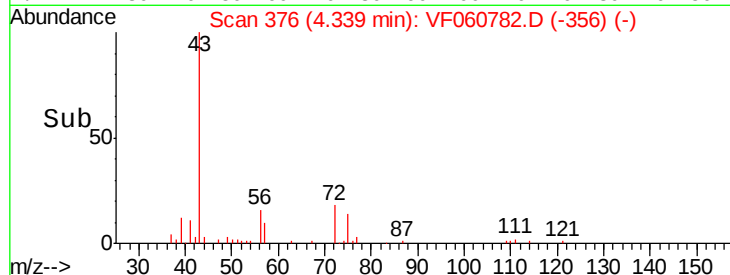
10000

5000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 24.222 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060782.D

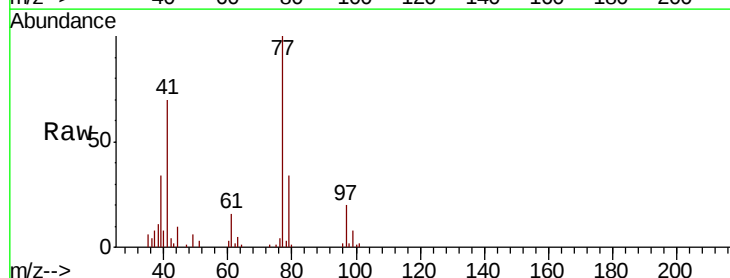
Acq: 19 Nov 2018 17:37

Tgt Ion: 77 Resp: 47464

Ion Ratio Lower Upper

77 100

97 20.1 8.8 26.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

15000

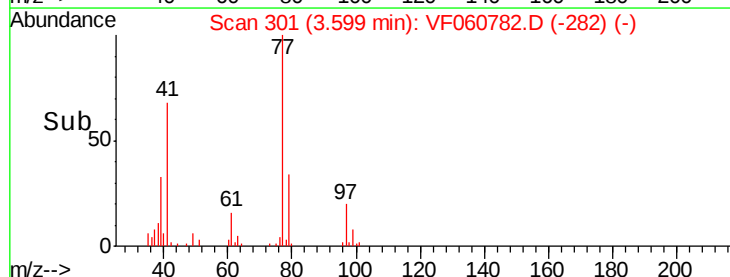
10000

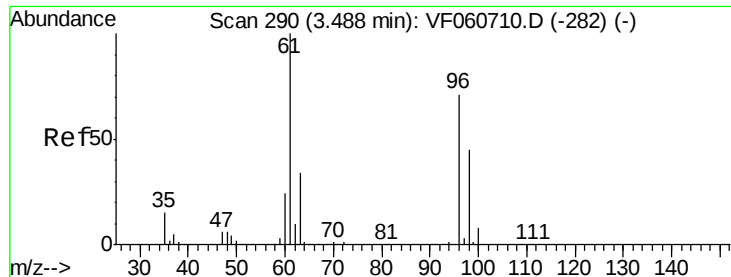
5000

0

3.40 3.50 3.60 3.70 3.80

Time-->



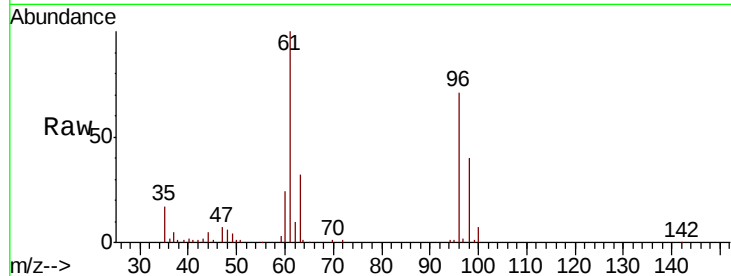


#27

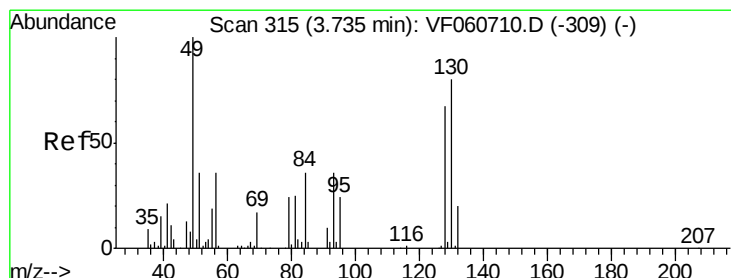
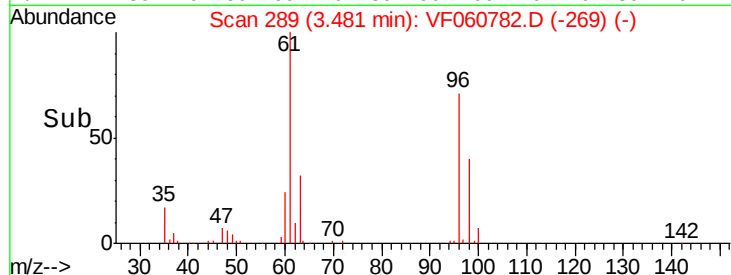
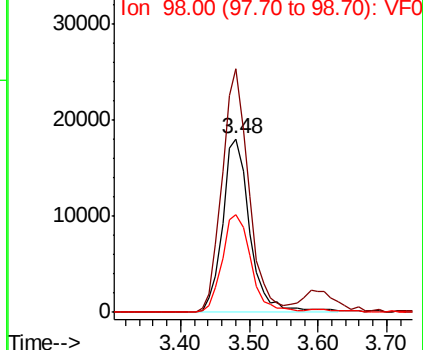
cis-1,2-Dichloroethene
Concen: 23.059 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	280.6
98	56.3	0.0	127.6



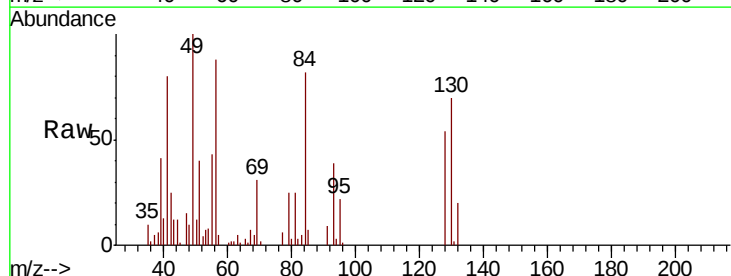
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



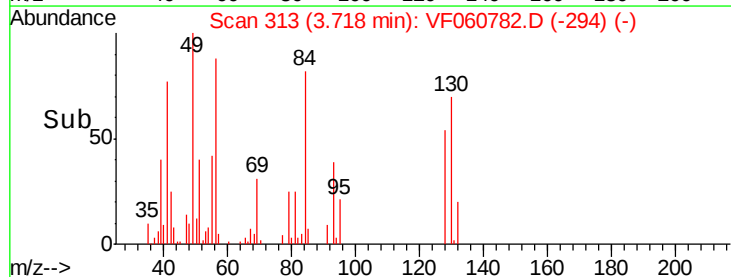
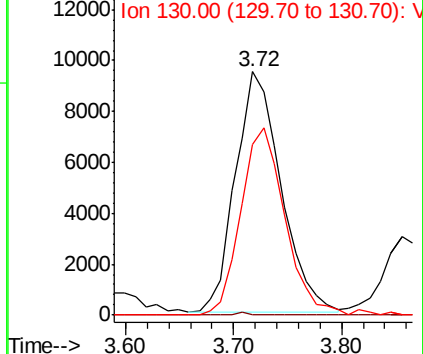
#28

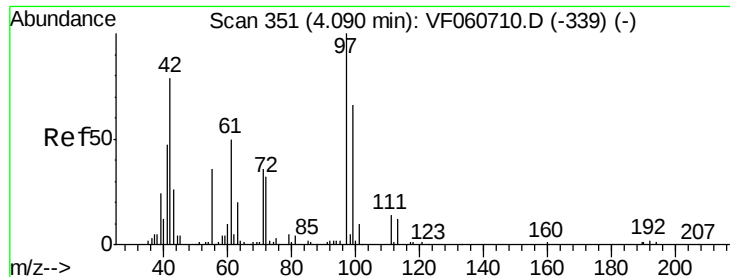
Bromochloromethane
Concen: 21.406 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	70.3	63.9	95.9



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: 107.692 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

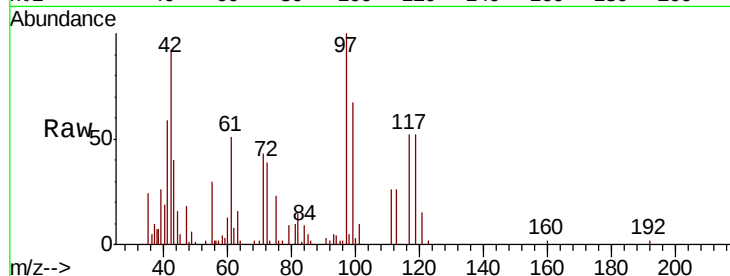
Tot Ion: 42 Resp: 26552

Ion Ratio Lower Upper

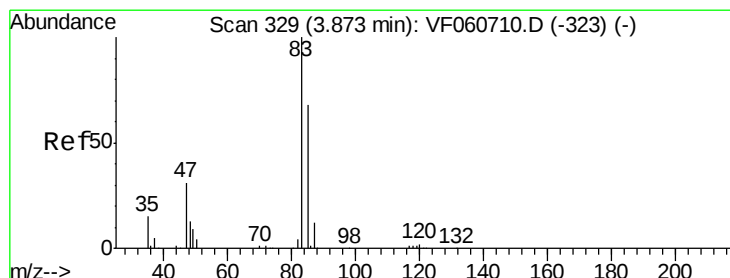
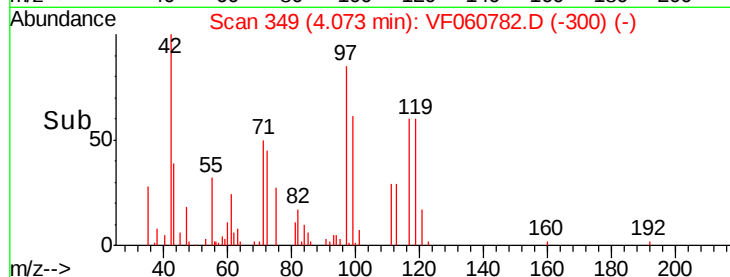
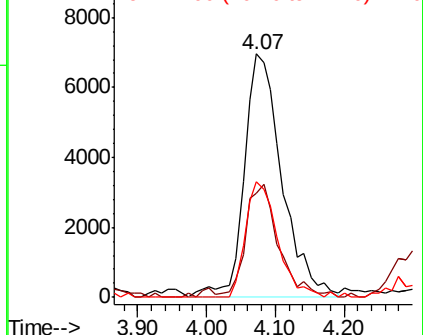
42 100

72 41.0 30.3 45.5

71 40.1 32.2 48.2



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: 24.139 ug/l

RT: 3.87 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060782.D

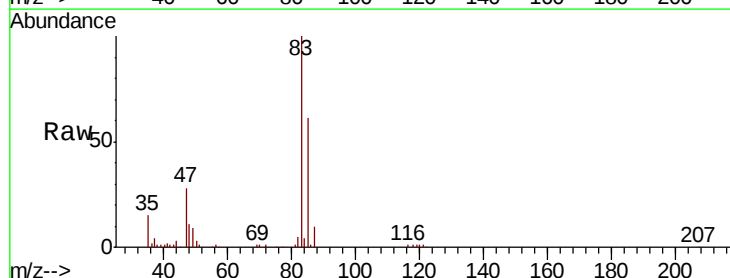
Acq: 19 Nov 2018 17:37

Tgt Ion: 83 Resp: 96440

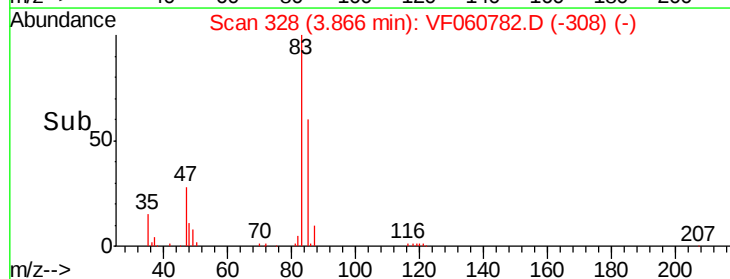
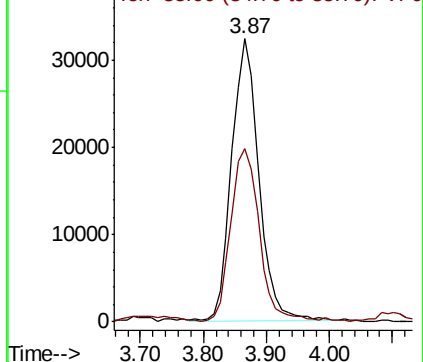
Ion Ratio Lower Upper

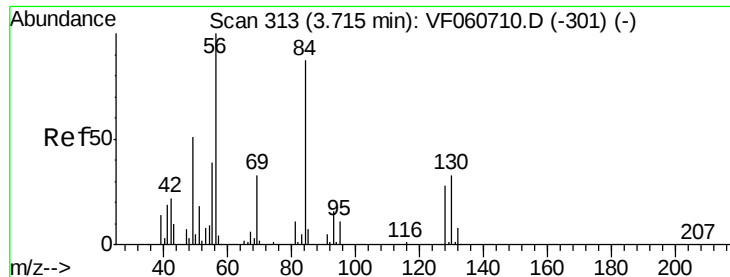
83 100

85 61.1 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

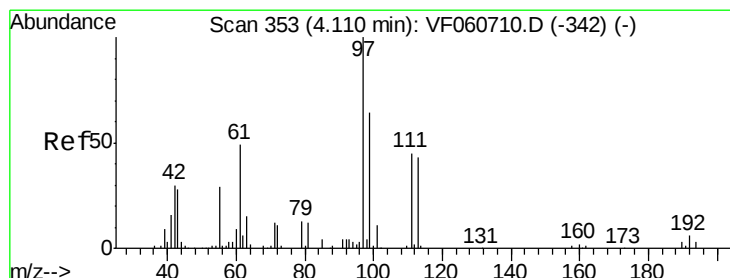
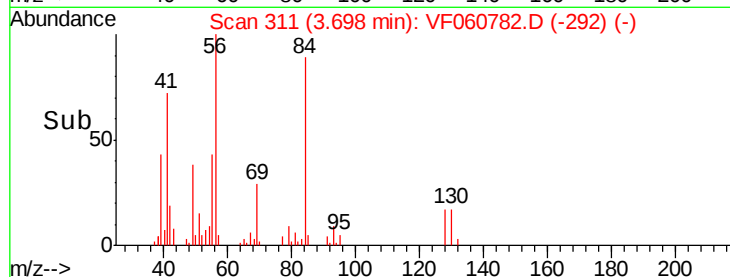
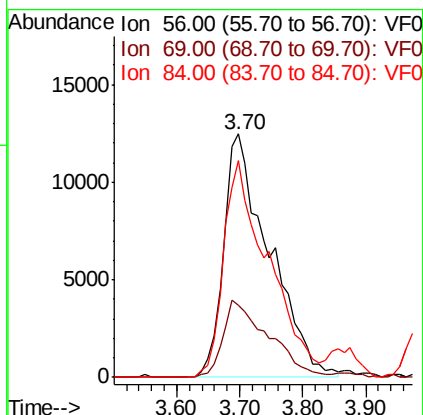
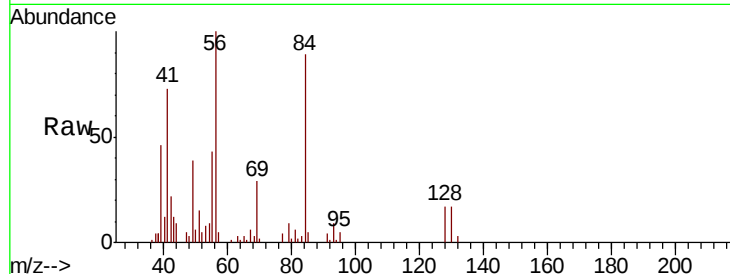




#31
Cyclohexane
Concen: 20.641 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

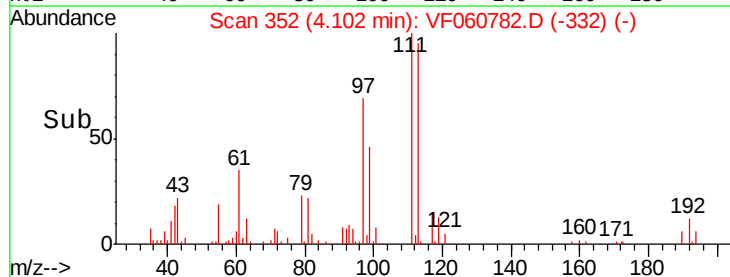
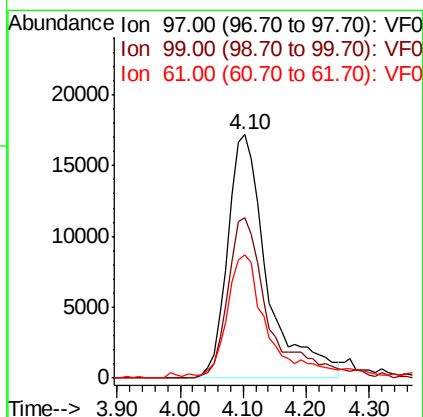
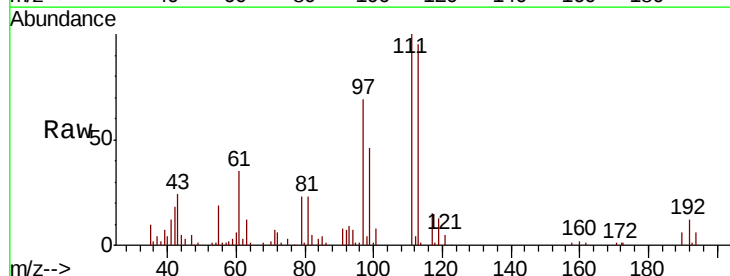
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

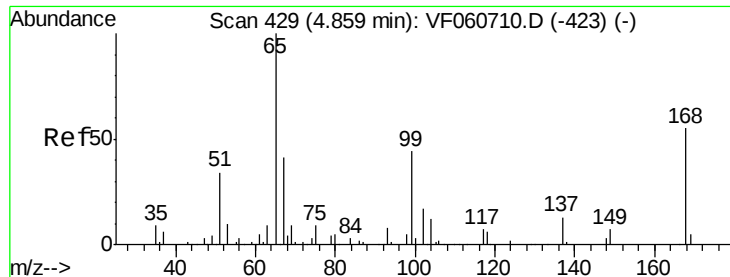
Tot Ion: 56 Resp: 62381
Ion Ratio Lower Upper
56 100
69 29.4 26.0 39.0
84 89.2 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 23.896 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 97 Resp: 75181
Ion Ratio Lower Upper
97 100
99 66.1 51.1 76.7
61 50.7 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 55.303 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

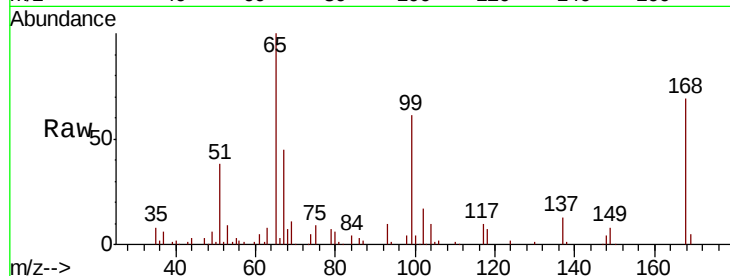
VF1119SBS01

Tot Ion: 65 Resp: 94024

Ion Ratio Lower Upper

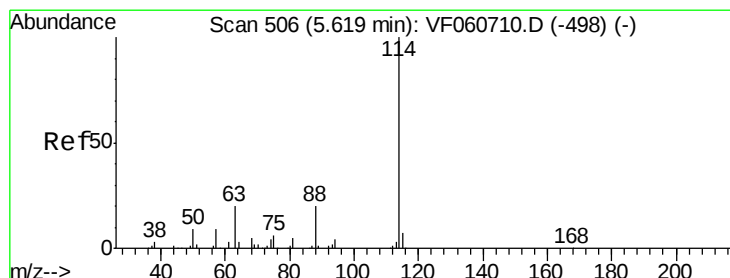
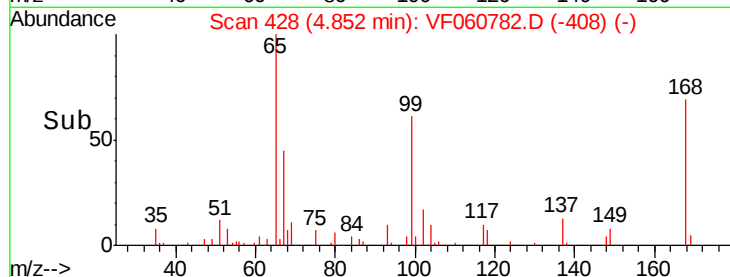
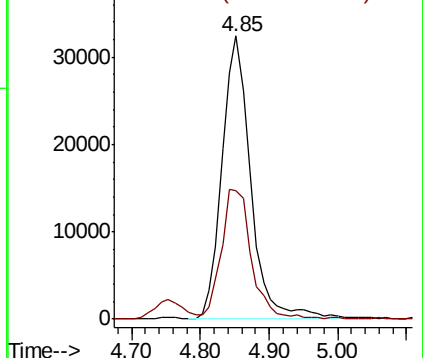
65 100

67 45.2 0.0 90.2



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: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

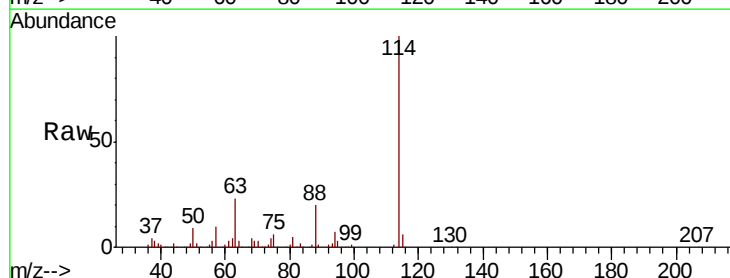
Tgt Ion: 114 Resp: 253750

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

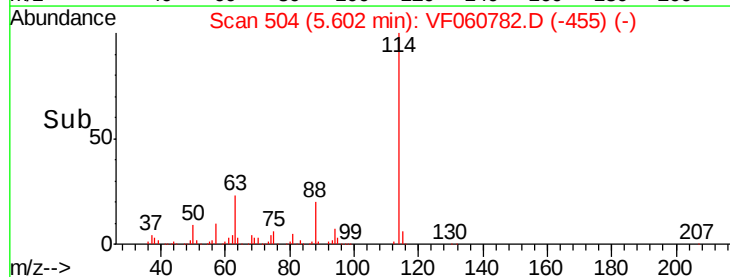
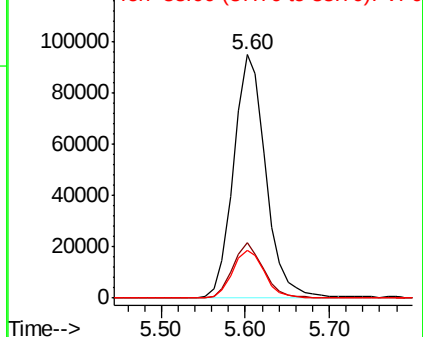
88 19.6 0.0 39.6

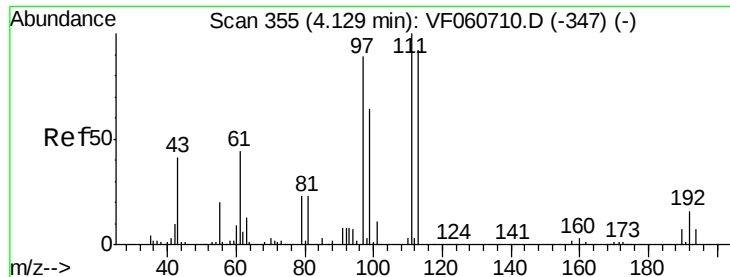


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 54.977 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

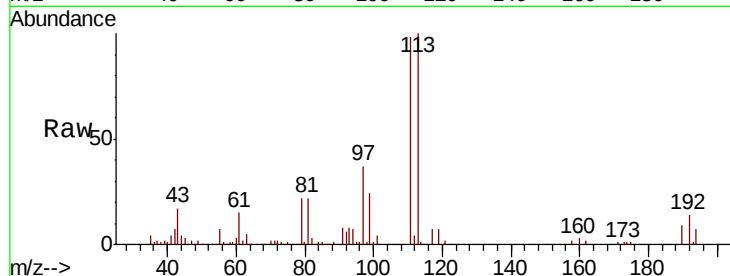
Tot Ion:113 Resp: 104865

Ion Ratio Lower Upper

113 100

111 98.2 87.1 130.7

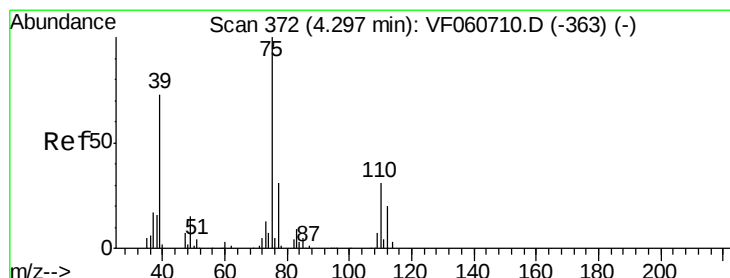
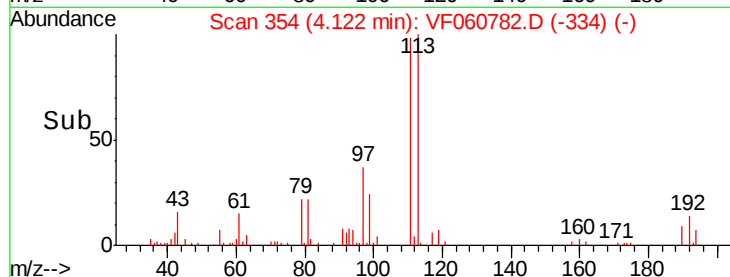
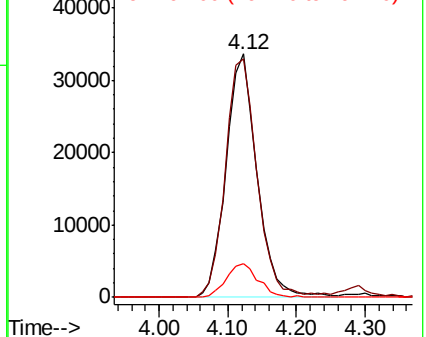
192 14.0 13.8 20.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.947 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

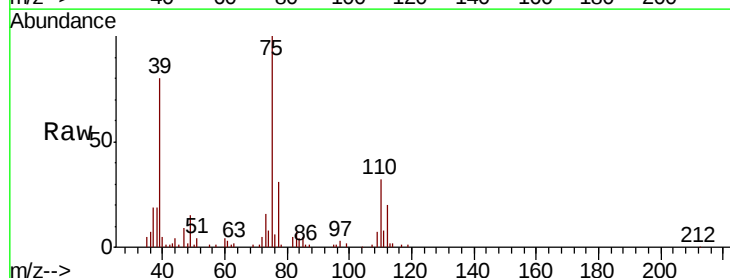
Tgt Ion: 75 Resp: 67531

Ion Ratio Lower Upper

75 100

110 32.2 15.6 46.8

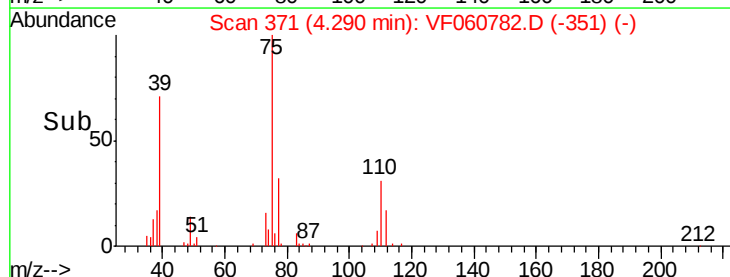
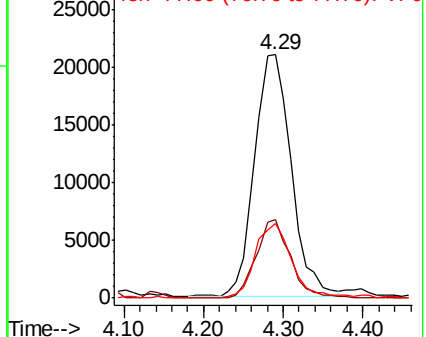
77 30.7 25.0 37.6

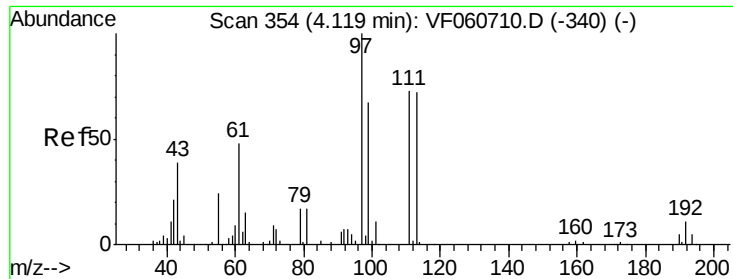


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

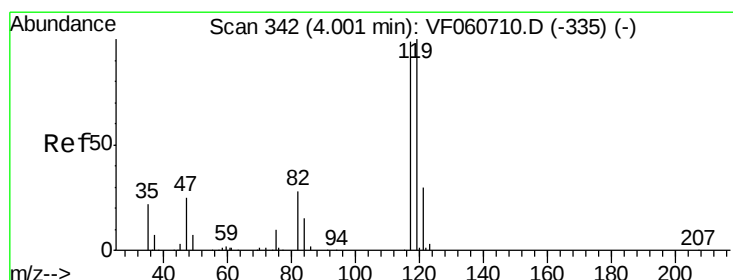
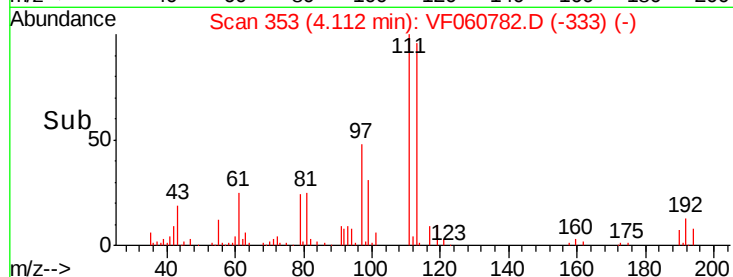
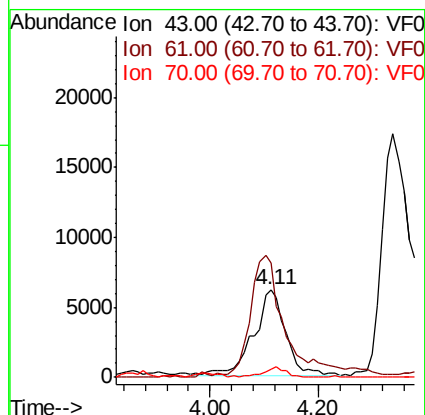
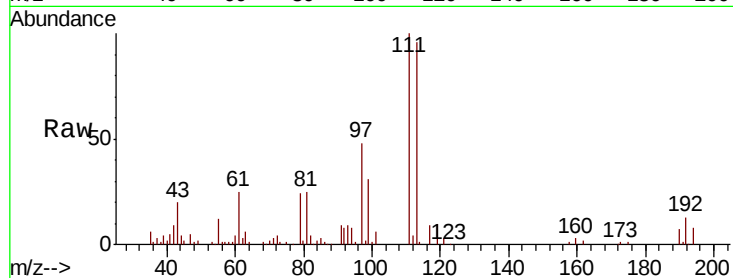




#37
Ethyl Acetate
Concen: 22.966 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

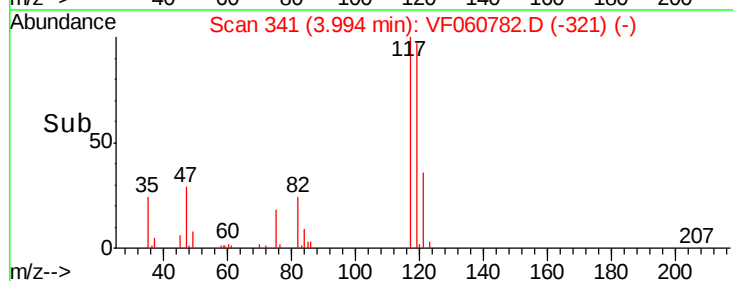
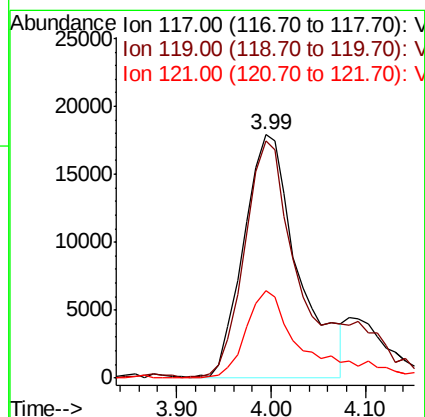
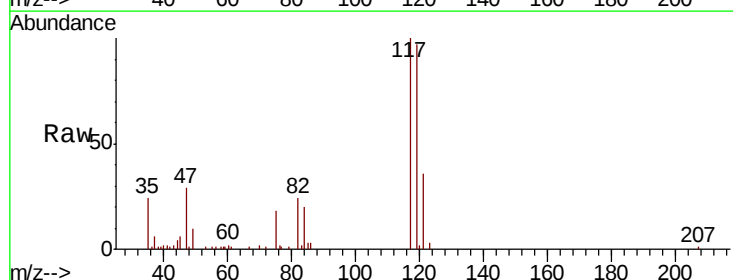
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

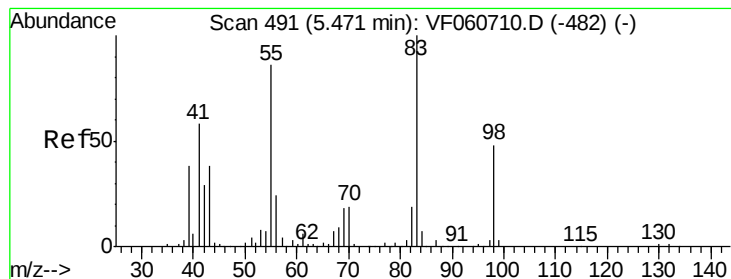
Tot Ion: 43 Resp: 25127
Ion Ratio Lower Upper
43 100
61 129.7 98.5 147.7
70 9.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 25.058 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 117 Resp: 71555
Ion Ratio Lower Upper
117 100
119 97.4 80.7 121.1
121 36.2 24.3 36.5





#39

Methvlcvclohexane

Concen: 23.077 ug/l

RT: 5.45 min Scan# 489

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

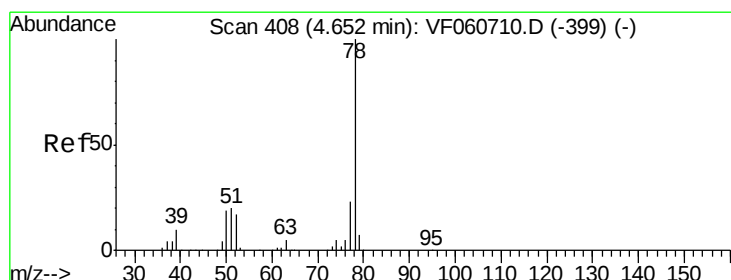
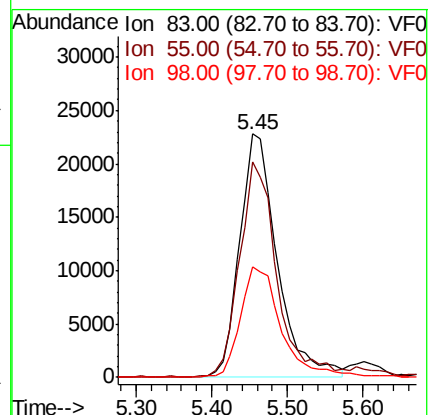
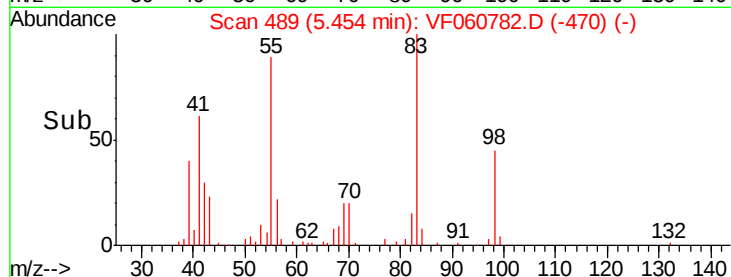
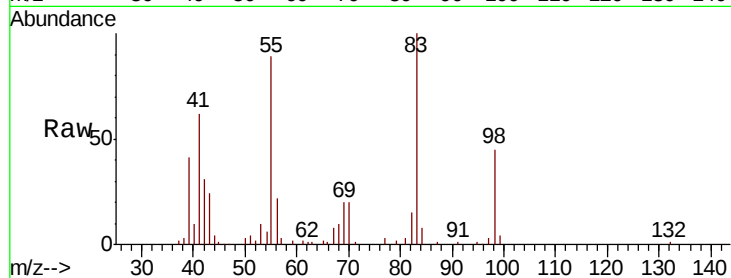
Tot Ion: 83 Resp: 78790

Ion Ratio Lower Upper

83 100

55 88.7 69.0 103.4

98 45.4 38.5 57.7



#40

Benzene

Concen: 21.286 ug/l

RT: 4.64 min Scan# 406

Delta R.T. -0.02 min

Lab File: VF060782.D

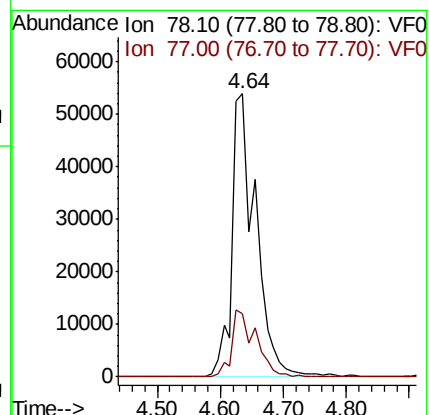
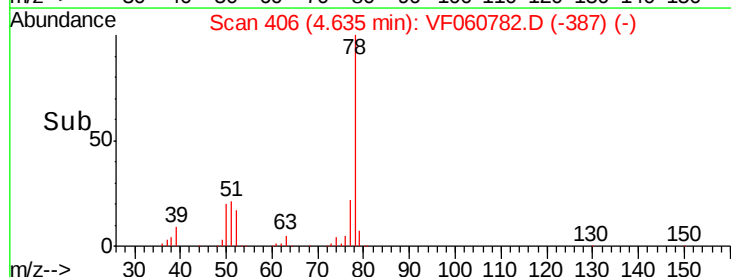
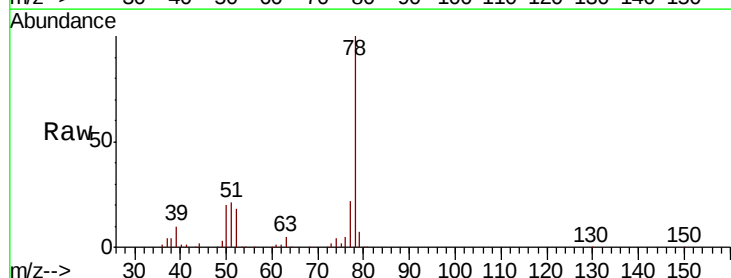
Acq: 19 Nov 2018 17:37

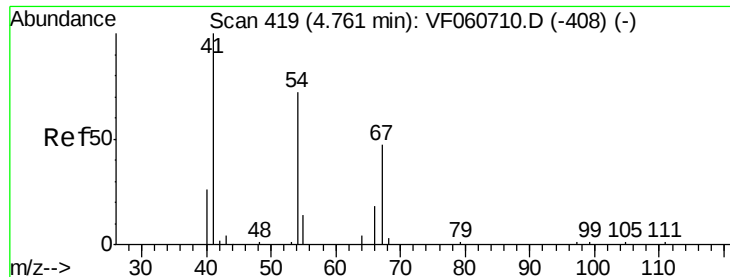
Tgt Ion: 78 Resp: 139641

Ion Ratio Lower Upper

78 100

77 22.2 18.6 28.0





#41

Methacrylonitrile

Concen: 20.445 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 41 Resp: 13419

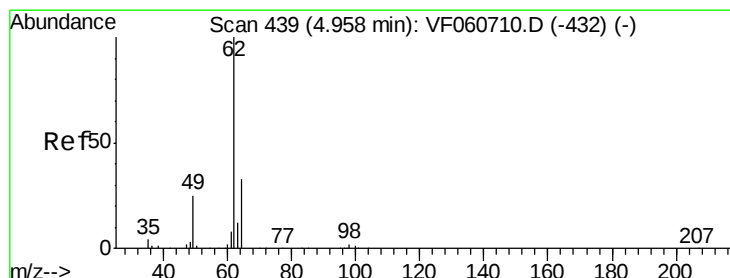
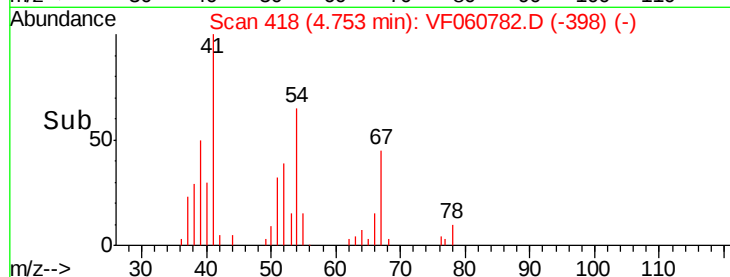
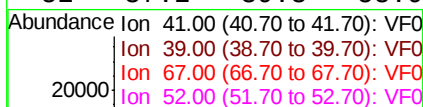
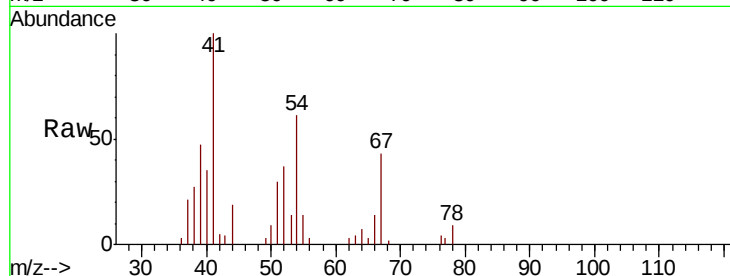
Ion Ratio Lower Upper

41 100

39 46.8 47.1 70.7#

67 43.0 37.1 55.7

52 37.2 39.3 58.9#



#42

1,2-Dichloroethane

Concen: 24.064 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.02 min

Lab File: VF060782.D

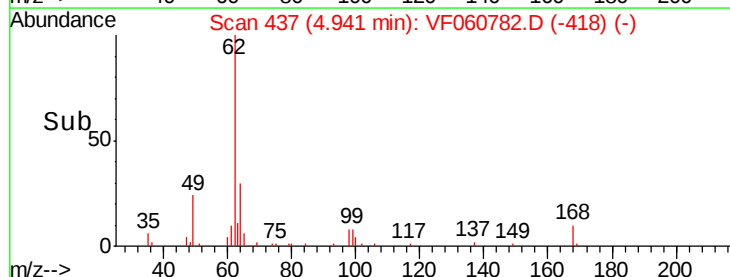
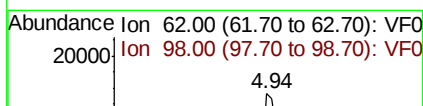
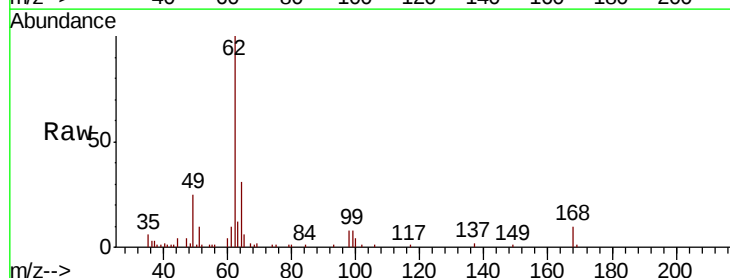
Acq: 19 Nov 2018 17:37

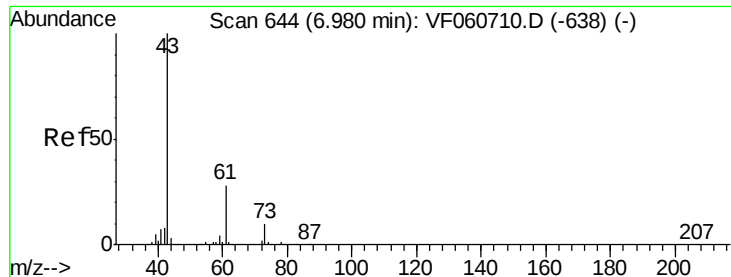
Tgt Ion: 62 Resp: 54553

Ion Ratio Lower Upper

62 100

98 7.6 0.0 16.6



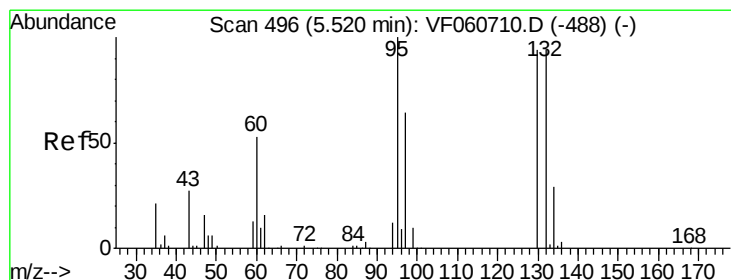
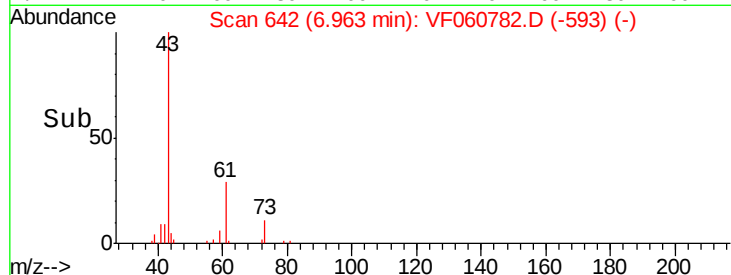
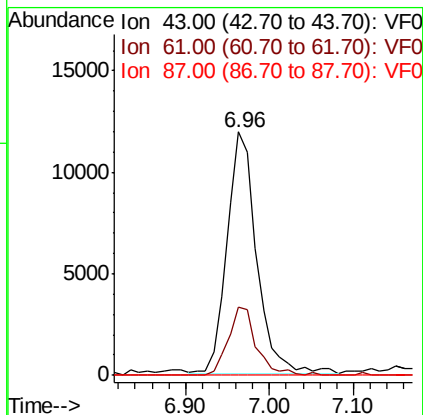
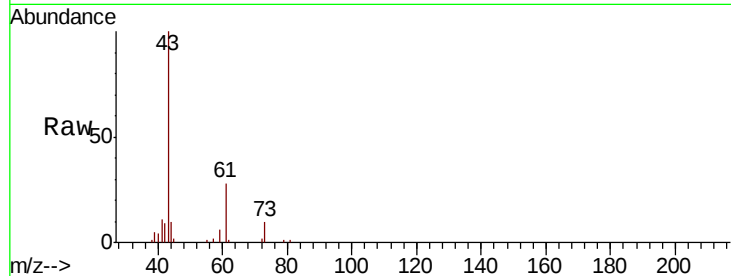


#43

Isopropyl Acetate
 Concen: 19.999 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

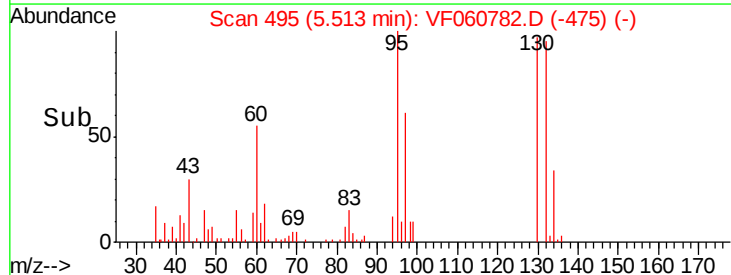
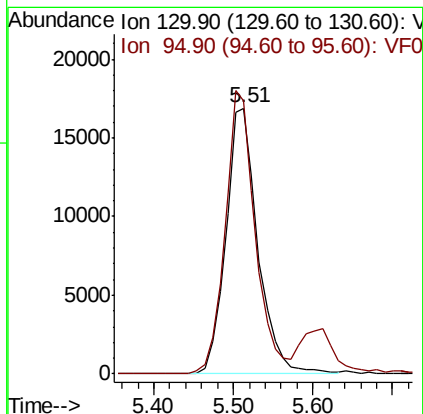
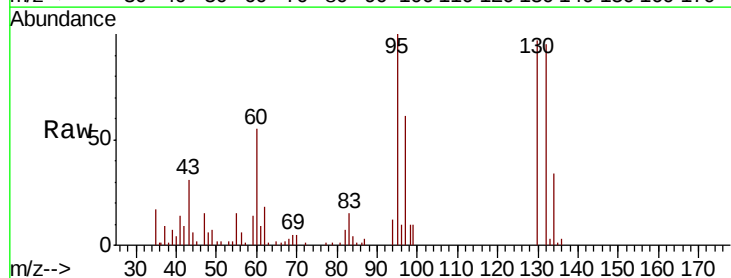
Tot Ion: 43 Resp: 29012
 Ion Ratio Lower Upper
 43 100
 61 28.0 22.2 33.4
 87 0.0 0.4 0.6#

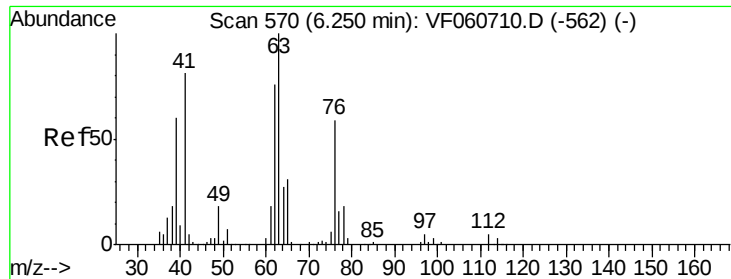


#44

Trichloroethene
 Concen: 22.873 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion: 130 Resp: 47342
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 212.6





#45

1,2-Dichloropropane

Concen: 21.449 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

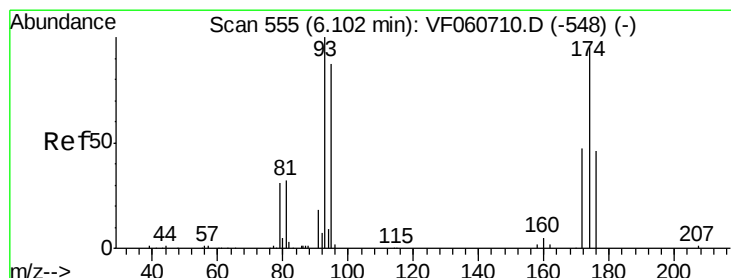
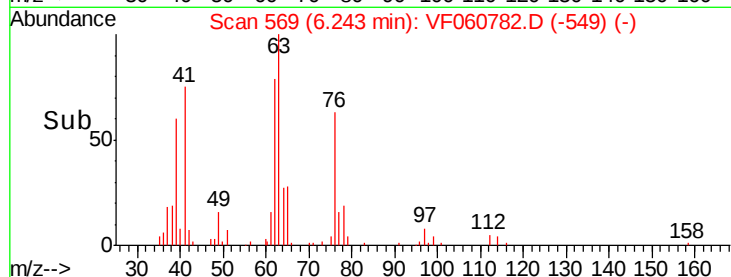
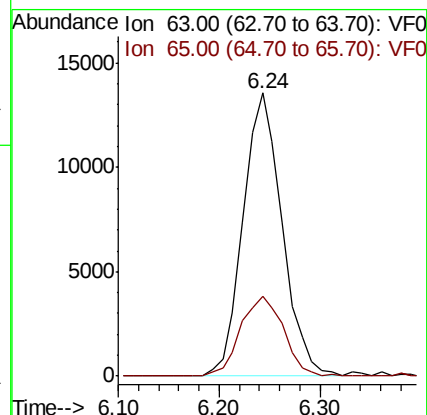
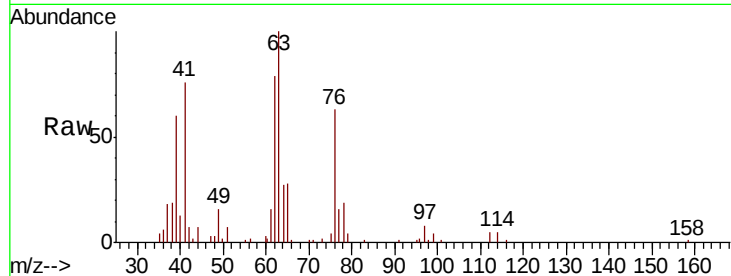
VF1119SBS01

Tot Ion: 63 Resp: 36615

Ion Ratio Lower Upper

63 100

65 28.2 24.6 36.8



#46

Dibromomethane

Concen: 22.947 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

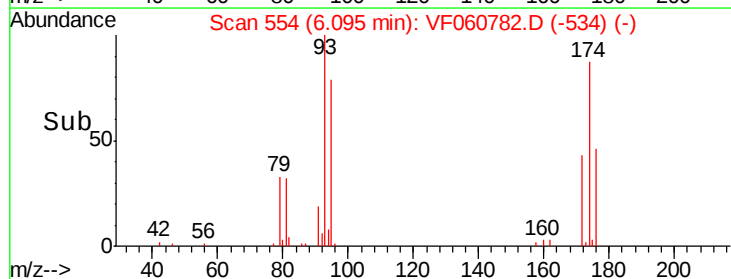
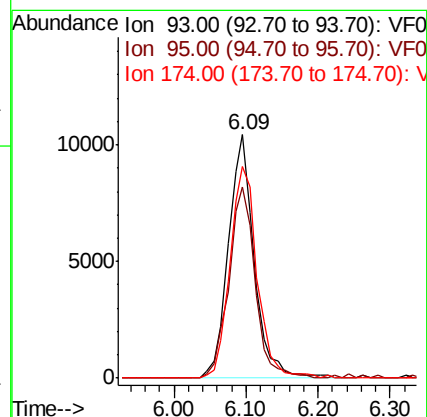
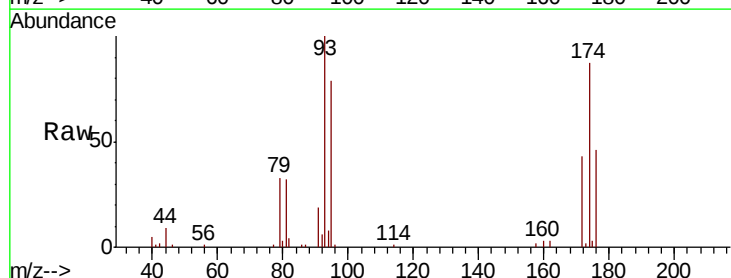
Tgt Ion: 93 Resp: 25858

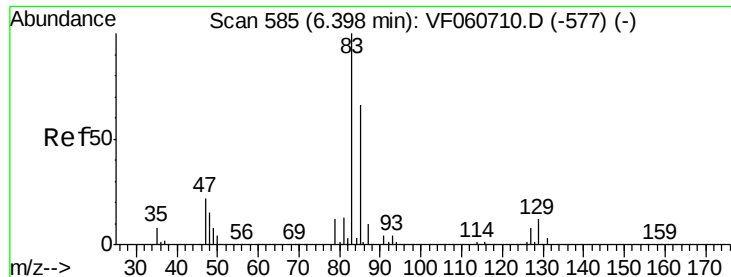
Ion Ratio Lower Upper

93 100

95 78.7 69.5 104.3

174 86.7 76.2 114.2





#47

Bromodichloromethane

Concen: 22.655 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

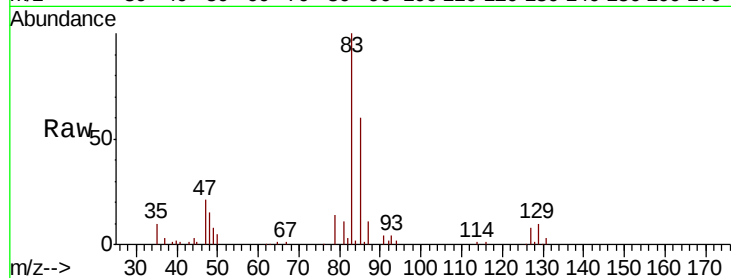
Tot Ion: 83 Resp: 65191

Ion Ratio Lower Upper

83 100

85 59.8 52.4 78.6

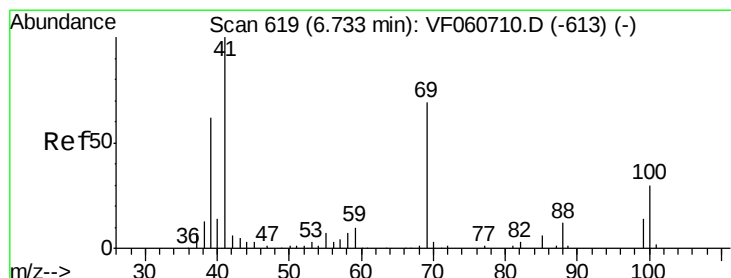
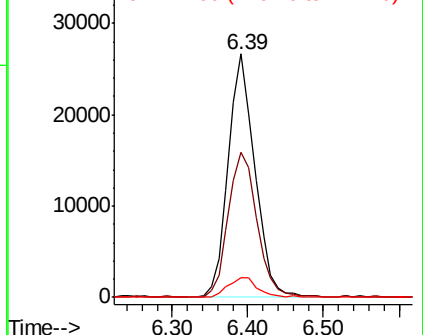
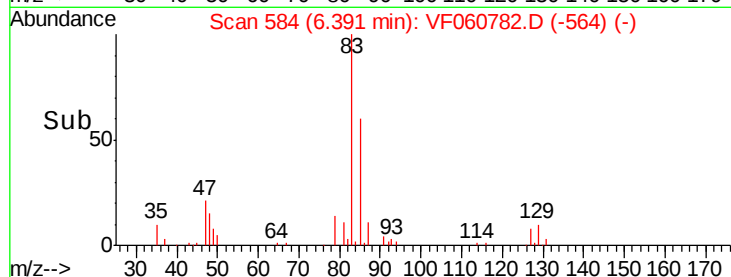
127 8.3 6.8 10.2



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: 21.504 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

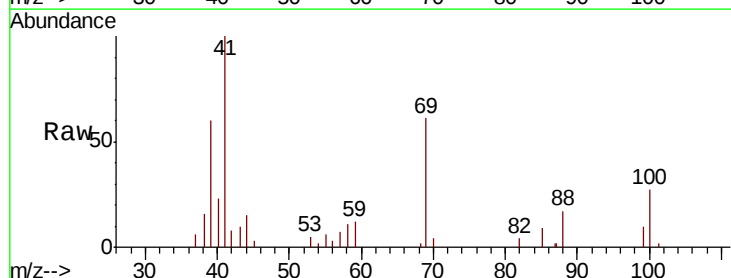
Tgt Ion: 41 Resp: 20645

Ion Ratio Lower Upper

41 100

69 60.8 54.9 82.3

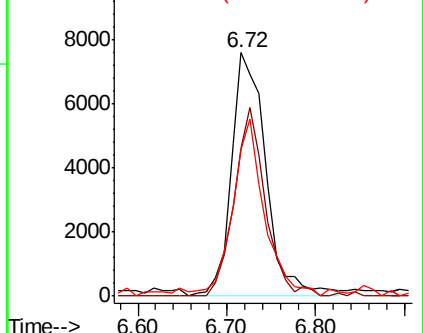
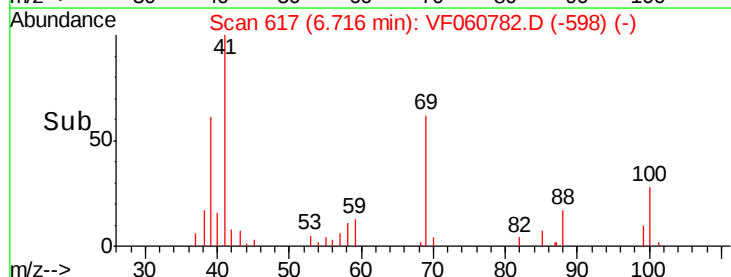
39 60.3 49.6 74.4

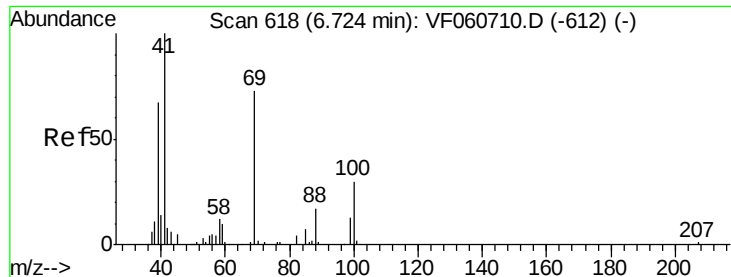


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

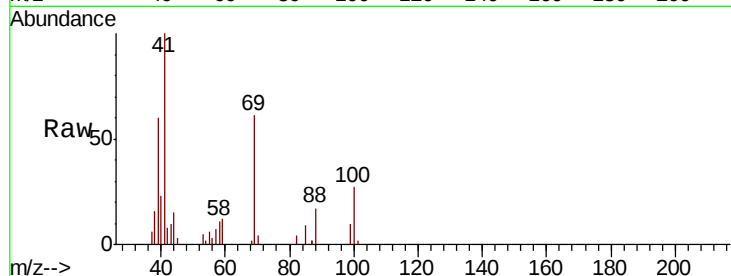




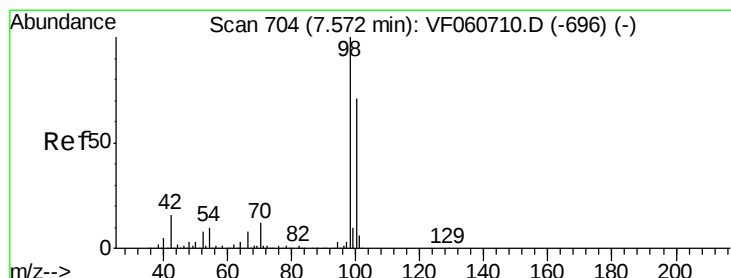
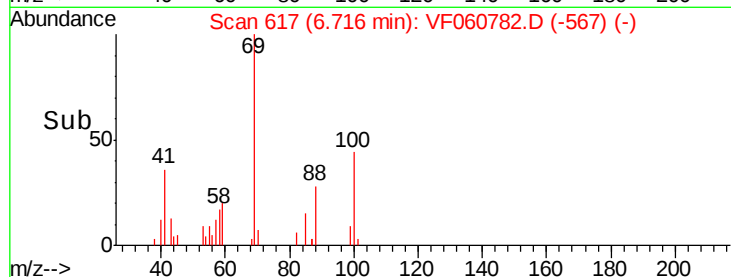
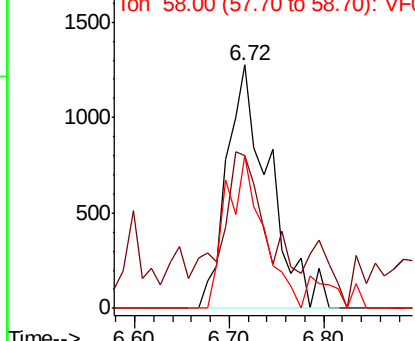
#49
1,4-Dioxane
Concen: 445.824 ug/l
RT: 6.72 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion: 88 Resp: 4003
Ion Ratio Lower Upper
88 100
43 62.6 44.6 66.8
58 62.8 54.5 81.7

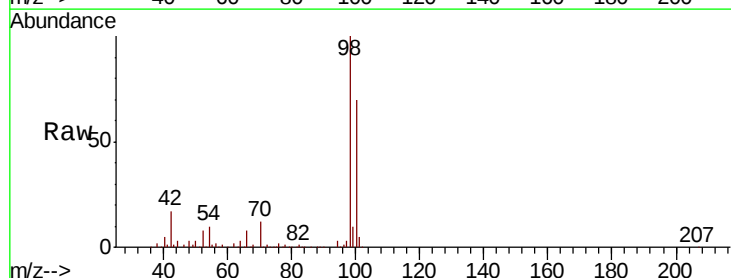


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

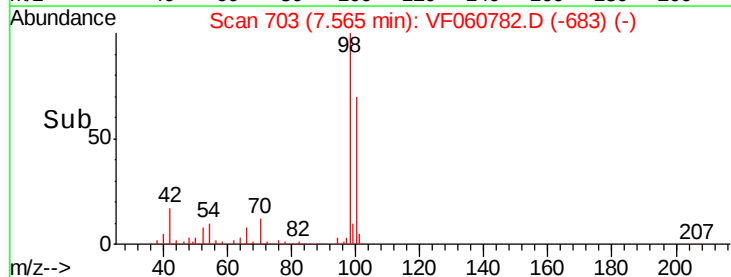
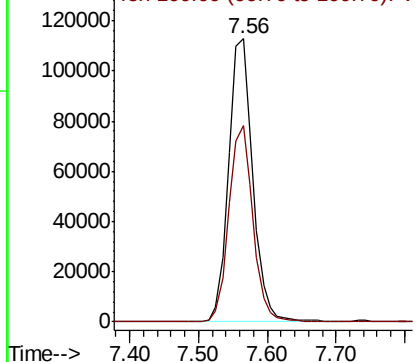


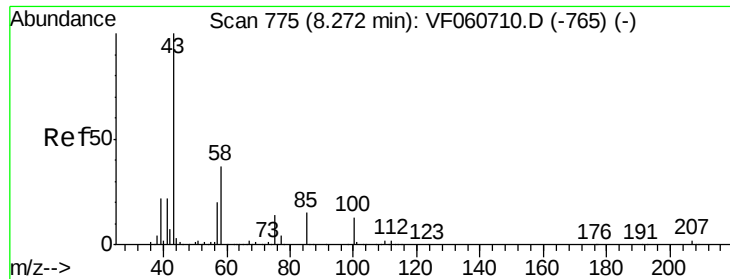
#50
Toluene-d8
Concen: 56.520 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 98 Resp: 274301
Ion Ratio Lower Upper
98 100
100 69.5 56.5 84.7



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: 114.377 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

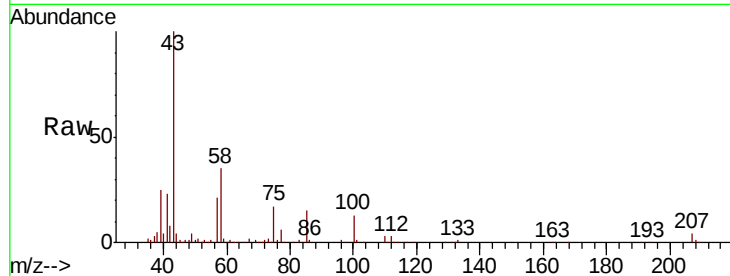
VF1119SBS01

Tot Ion: 43 Resp: 120002

Ion Ratio Lower Upper

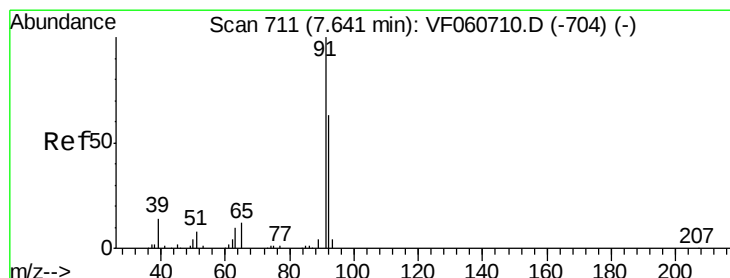
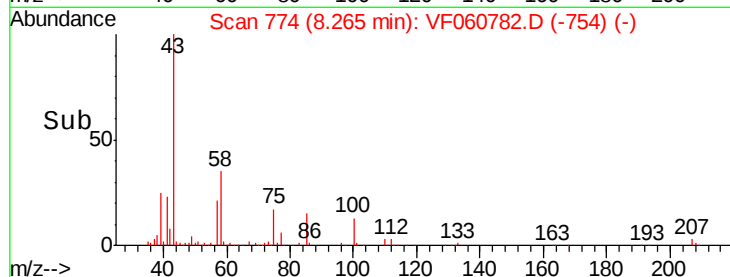
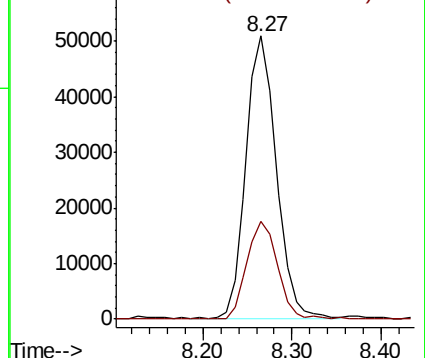
43 100

58 34.5 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.737 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060782.D

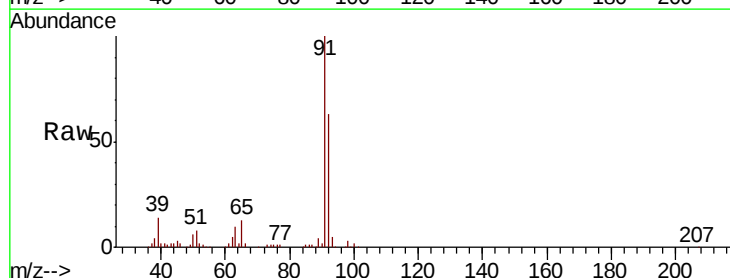
Acq: 19 Nov 2018 17:37

Tgt Ion: 92 Resp: 95558

Ion Ratio Lower Upper

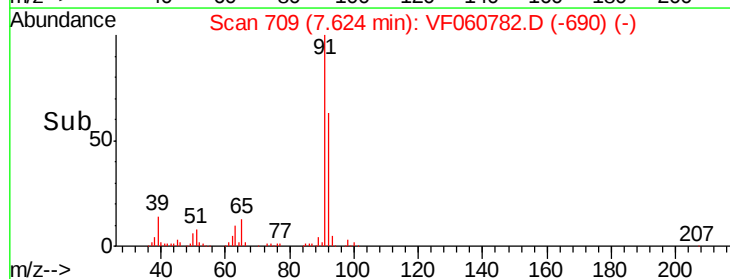
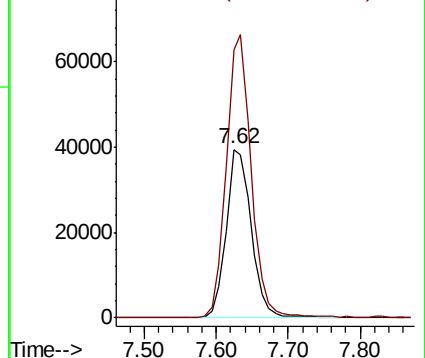
92 100

91 159.1 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

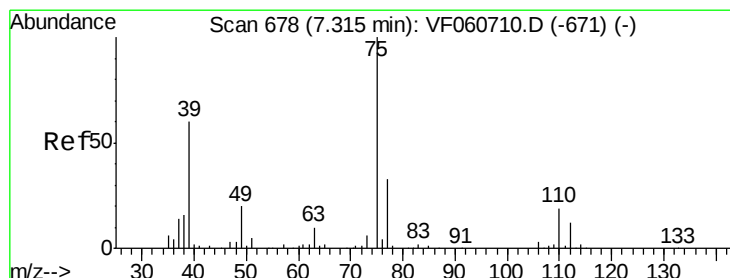
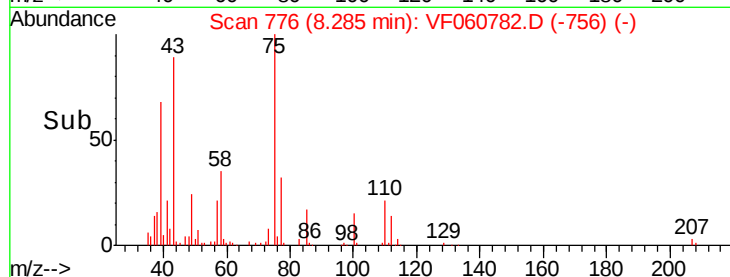
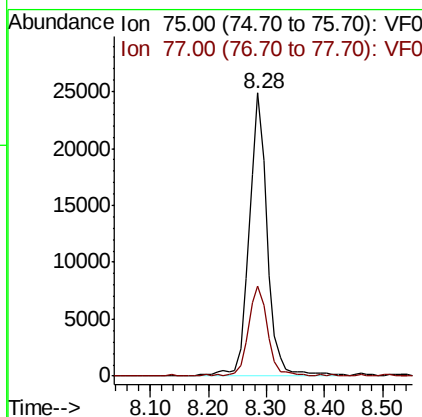
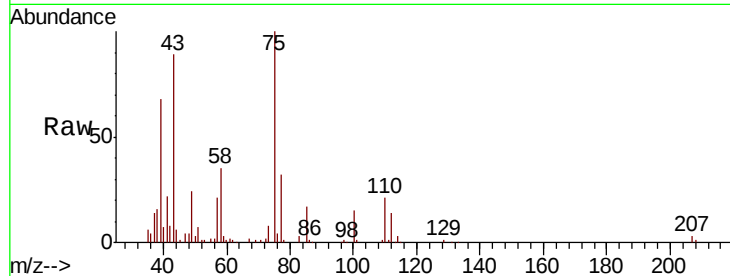




#53
 t-1,3-Dichloropropene
 Concen: 23.561 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

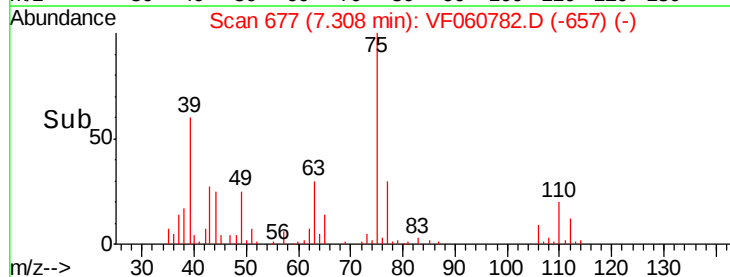
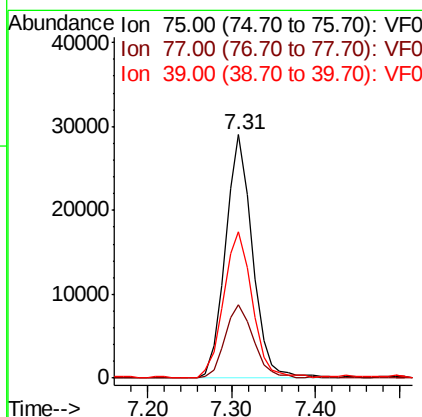
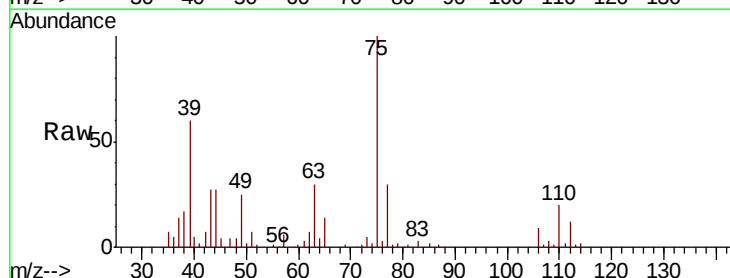
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

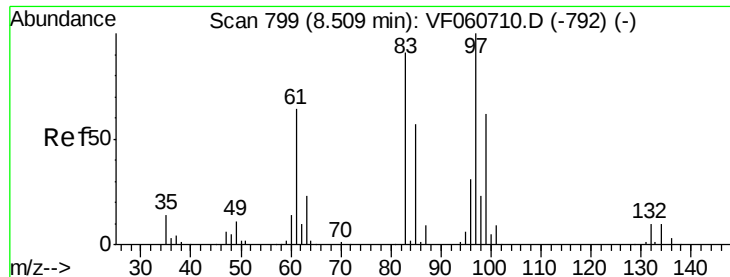
Tot Ion: 75 Resp: 54302
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.640 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion: 75 Resp: 64785
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.5 39.7
 39 59.9 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 22.107 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

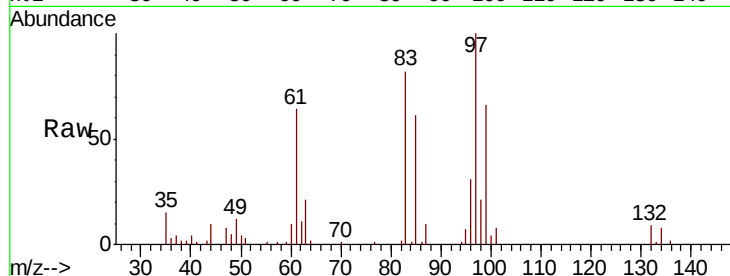
MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 97 Resp: 27767

Ion	Ratio	Lower	Upper
97	100		
83	81.9	72.8	109.2
85	61.1	45.8	68.6
99	66.2	49.4	74.0

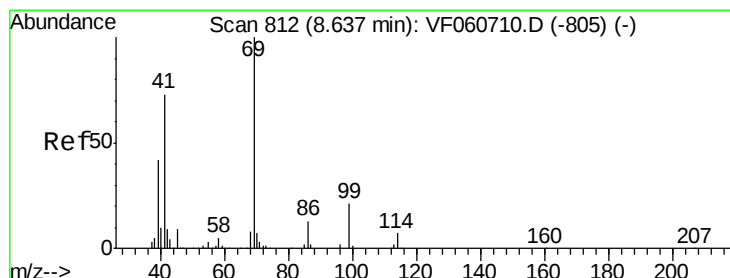
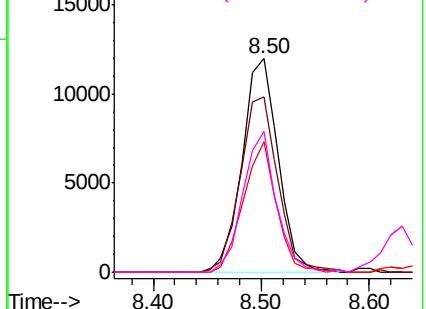
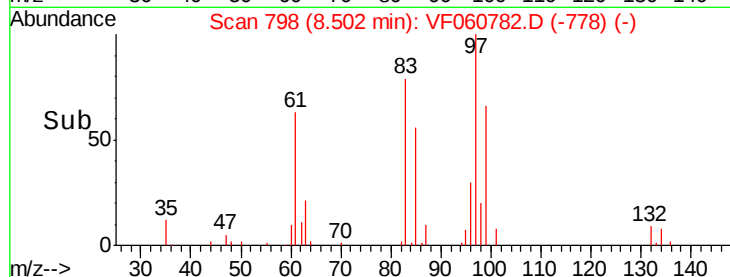


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.834 ug/l

RT: 8.62 min Scan# 810

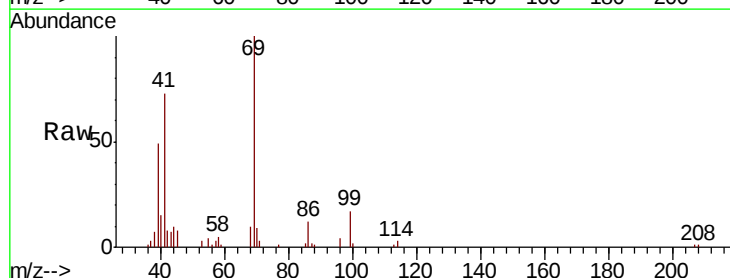
Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion: 69 Resp: 26866

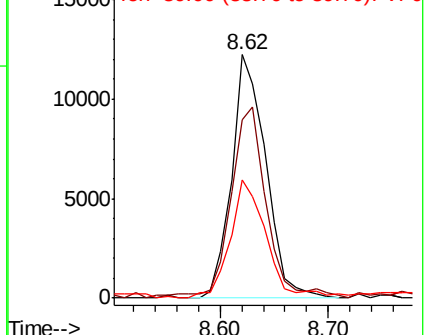
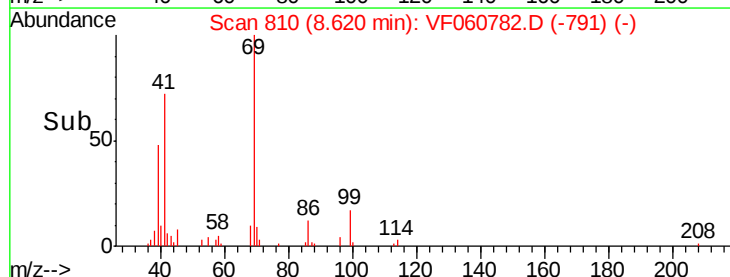
Ion	Ratio	Lower	Upper
69	100		
41	73.4	59.0	88.6
39	48.8	34.0	51.0

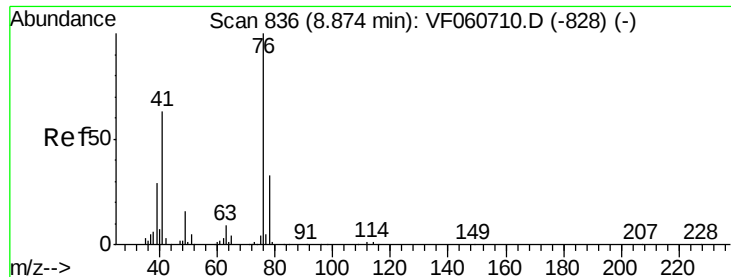


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.388 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

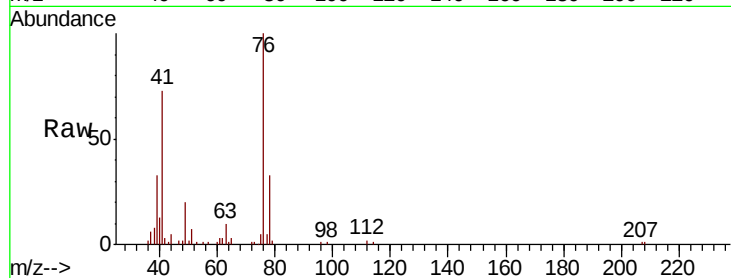
VF1119SBS01

Tot Ion: 76 Resp: 48735

Ion Ratio Lower Upper

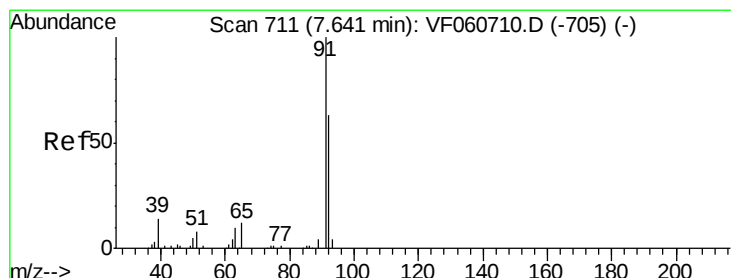
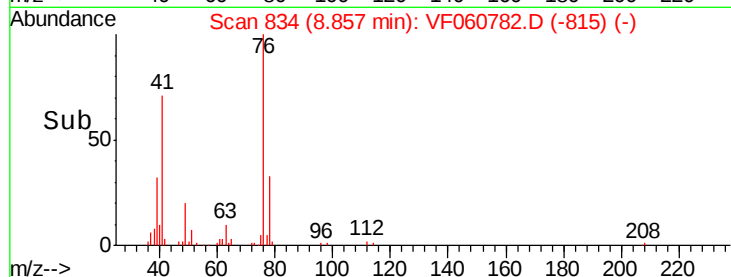
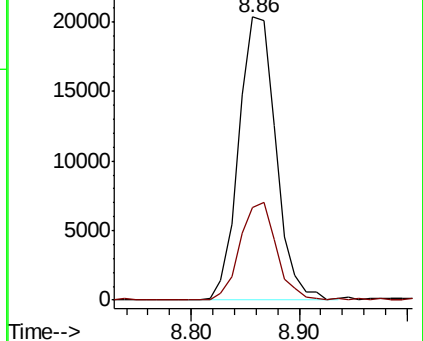
76 100

78 32.7 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 115.487 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060782.D

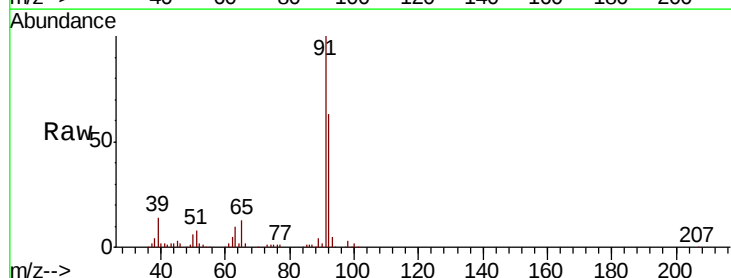
Acq: 19 Nov 2018 17:37

Tgt Ion: 63 Resp: 15049

Ion Ratio Lower Upper

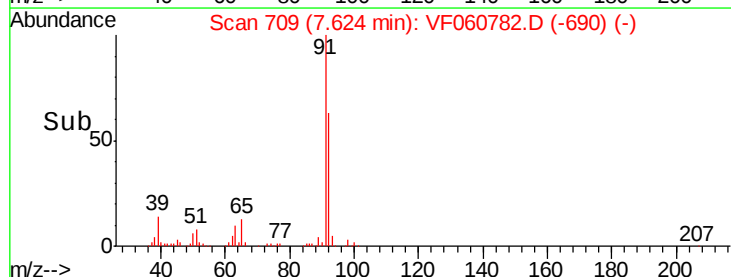
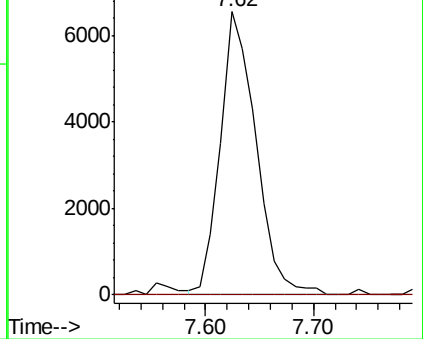
63 100

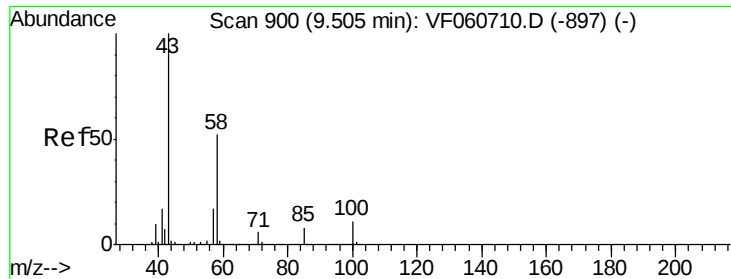
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

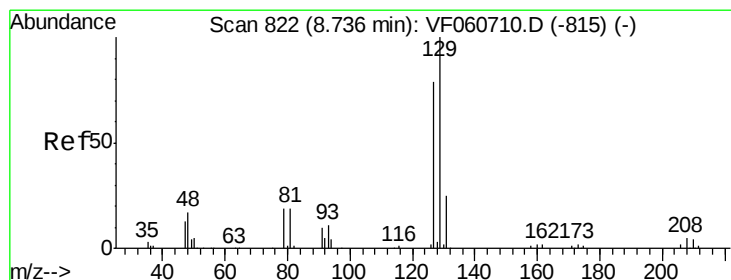
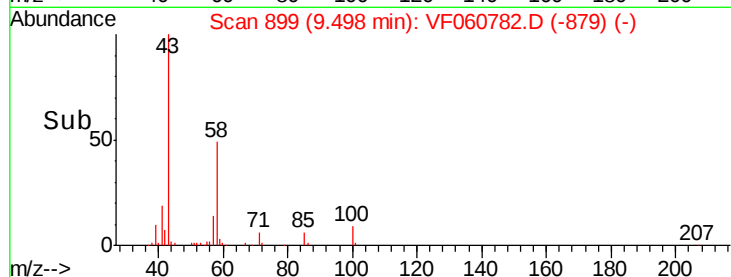
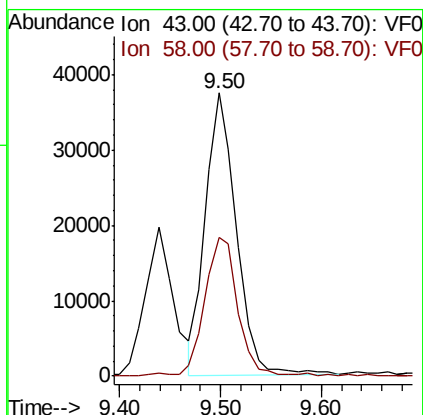
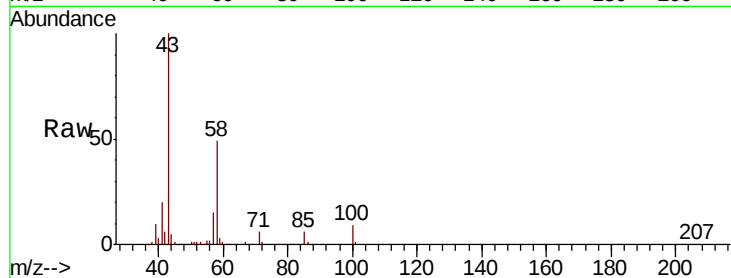




#59
2-Hexanone
Concen: 108.051 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

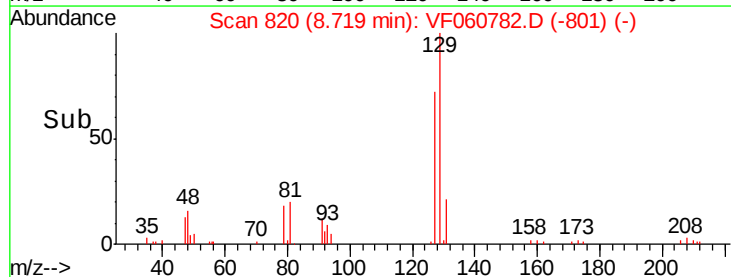
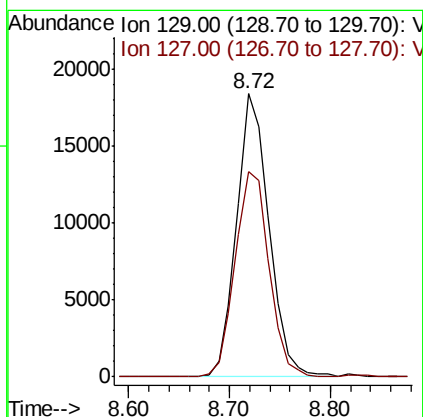
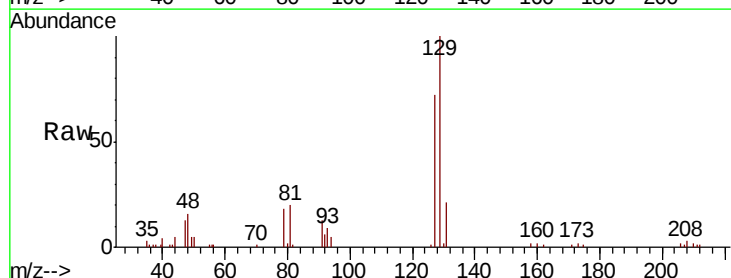
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

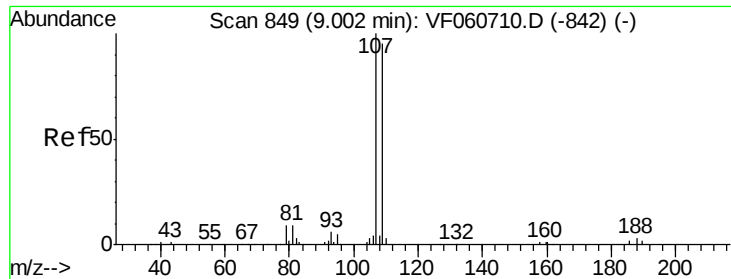
Tot Ion: 43 Resp: 79669
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.7



#60
Dibromochloromethane
Concen: 23.016 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 129 Resp: 41201
Ion Ratio Lower Upper
129 100
127 72.4 39.7 119.1





#61

1,2-Dibromoethane

Concen: 22.872 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

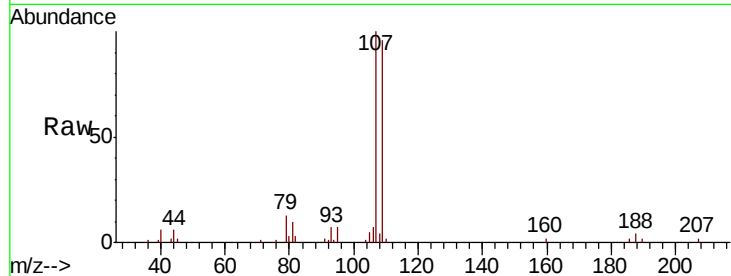
VF1119SBS01

Tot Ion:107 Resp: 30214

Ion Ratio Lower Upper

107 100

109 96.1 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

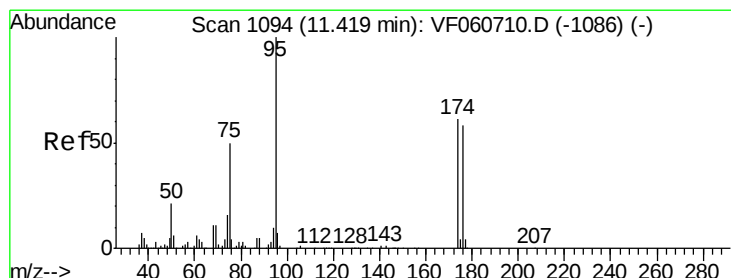
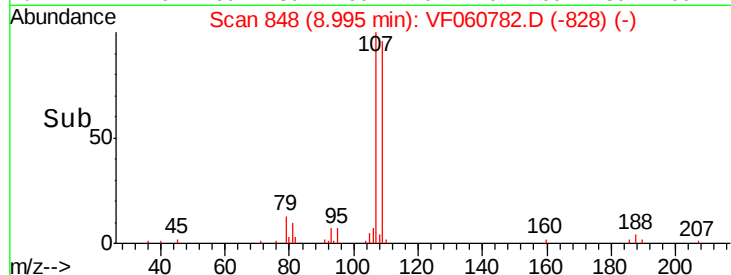
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 62.180 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

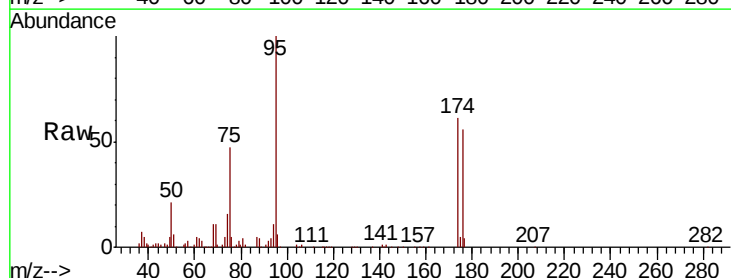
Tgt Ion: 95 Resp: 138129

Ion Ratio Lower Upper

95 100

174 60.7 0.0 121.6

176 56.2 0.0 115.2



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

100000

80000

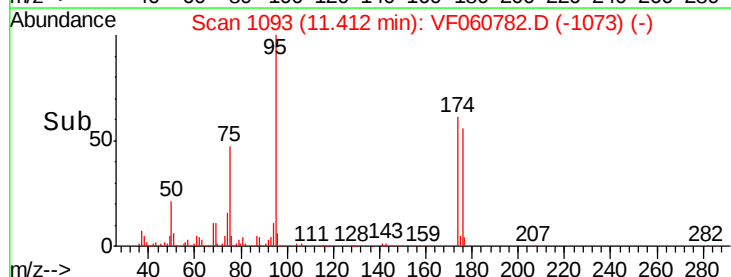
60000

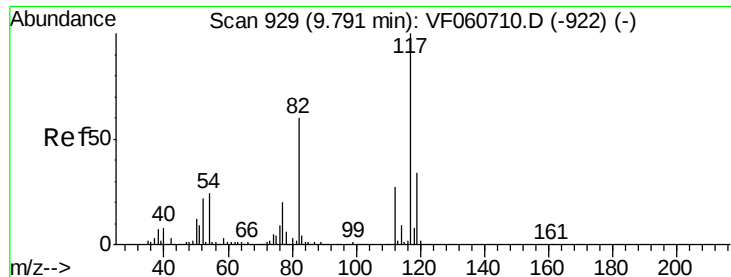
40000

20000

0

Time-->

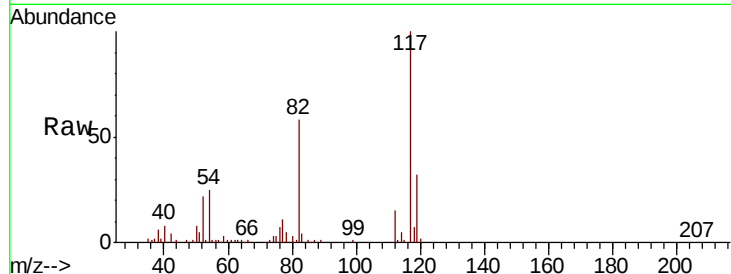




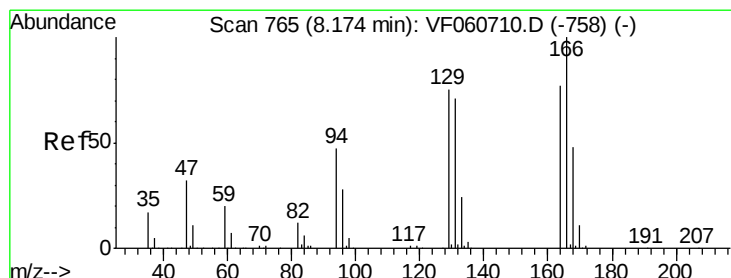
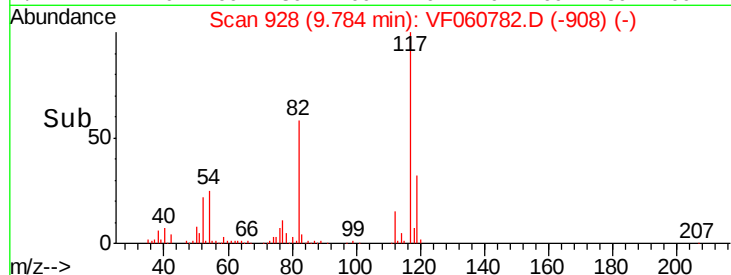
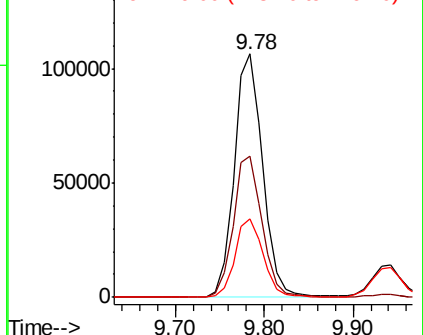
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion:117 Resp: 236558
Ion Ratio Lower Upper
117 100
82 57.9 47.9 71.9
119 32.0 26.8 40.2

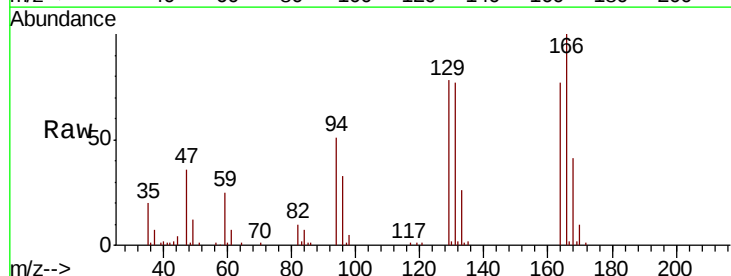


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

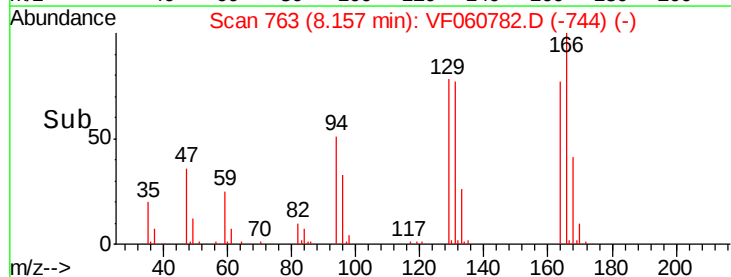
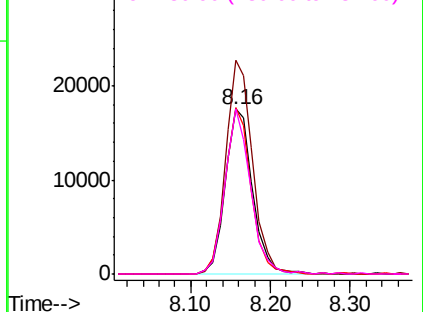


#64
Tetrachloroethene
Concen: 22.438 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion:164 Resp: 42033
Ion Ratio Lower Upper
164 100
166 129.8 103.5 155.3
129 100.9 77.4 116.2
131 100.4 73.5 110.3



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

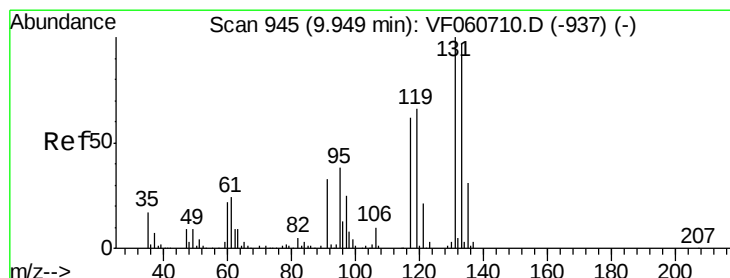
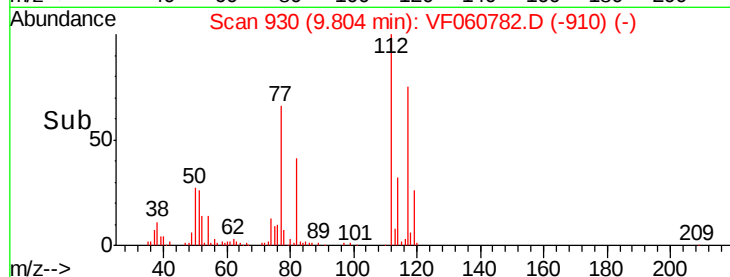
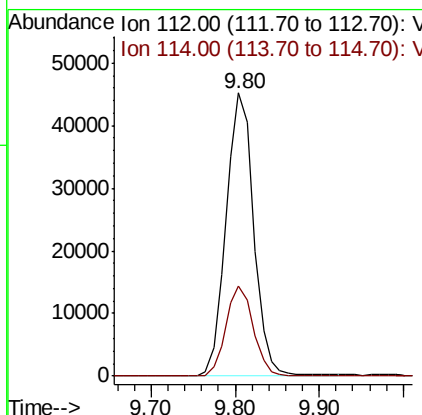
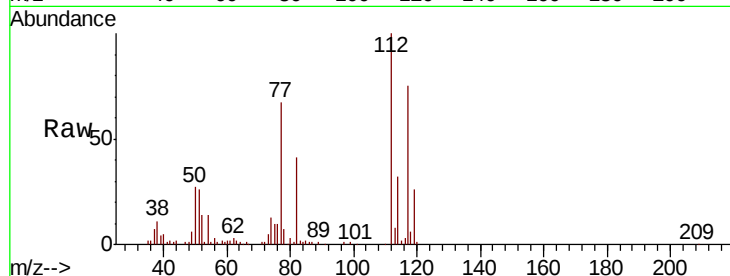




#65
Chlorobenzene
Concen: 21.675 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

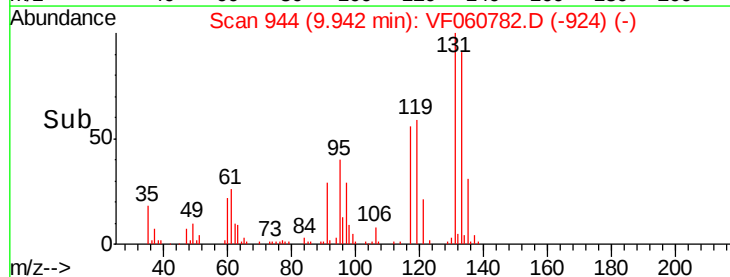
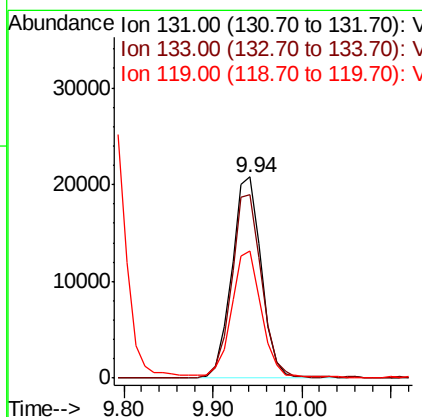
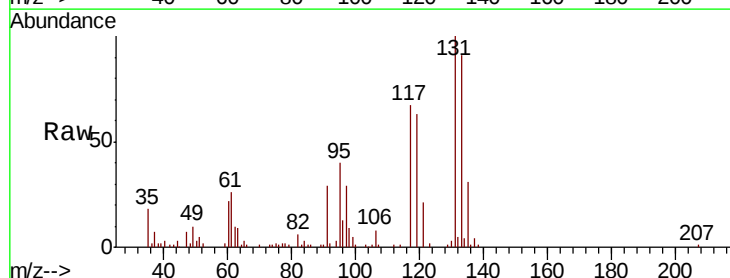
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

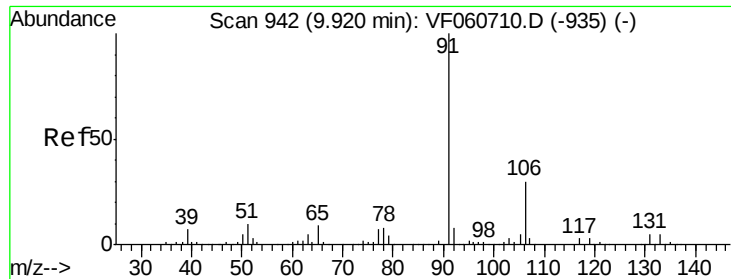
Tot Ion:112 Resp: 103468
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 23.224 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion:131 Resp: 48354
Ion Ratio Lower Upper
131 100
133 91.5 48.3 144.8
119 63.0 33.2 99.6

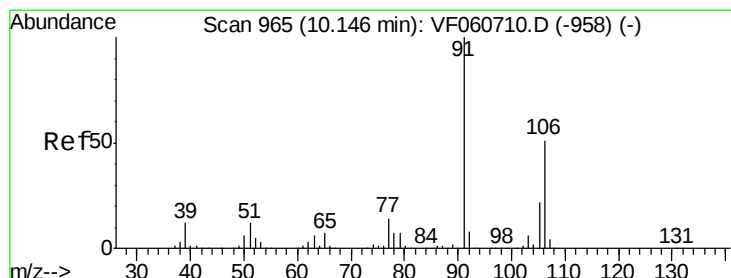
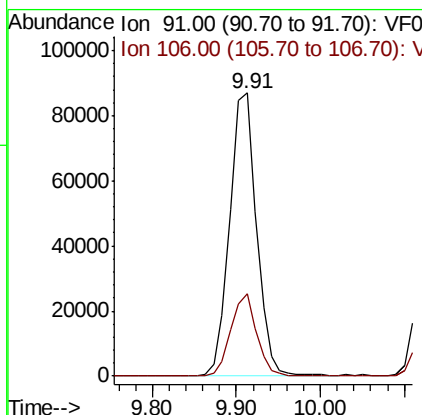
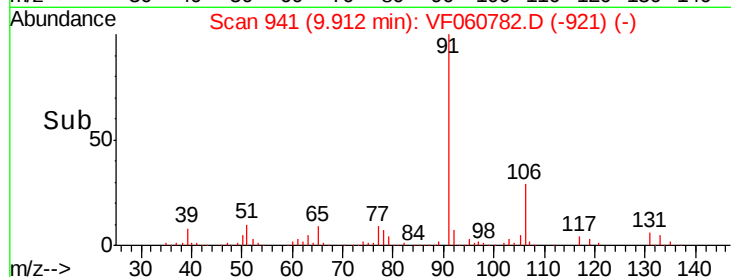
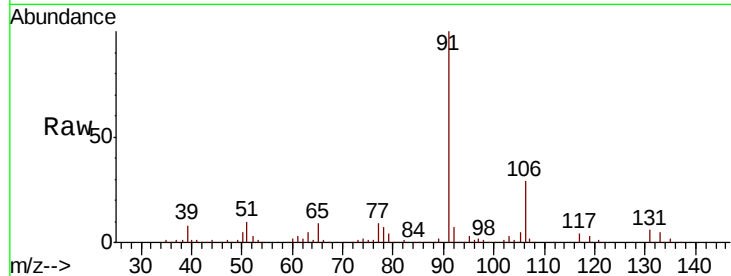




#67
Ethyl Benzene
Concen: 21.613 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

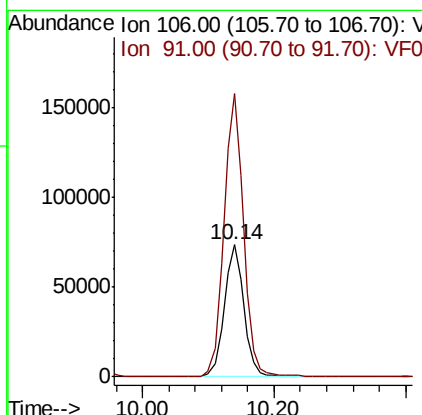
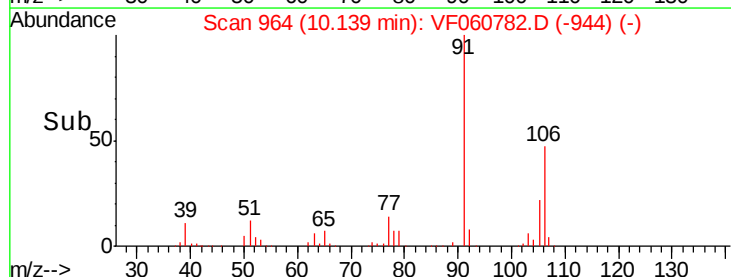
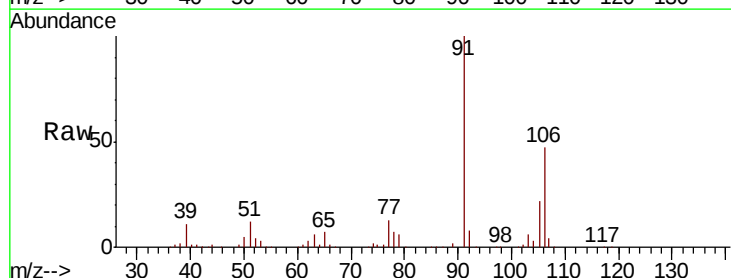
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

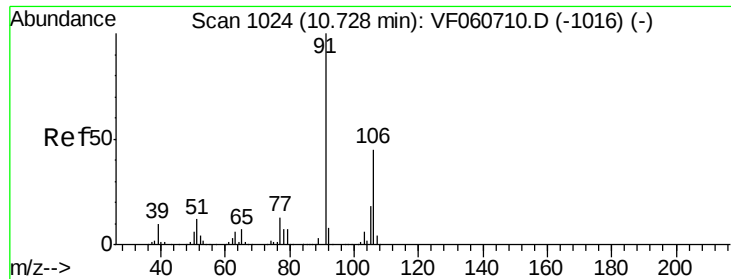
Tot Ion: 91 Resp: 194475
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9



#68
m/p-Xylenes
Concen: 47.865 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion: 106 Resp: 153913
Ion Ratio Lower Upper
106 100
91 214.0 158.2 237.2

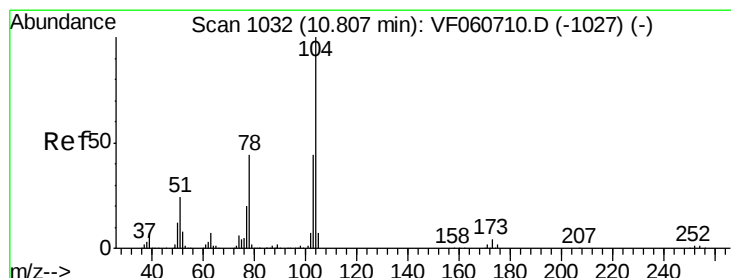
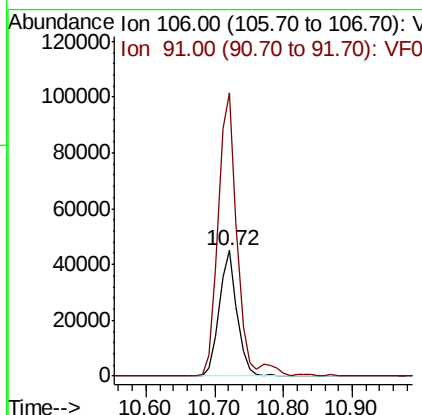
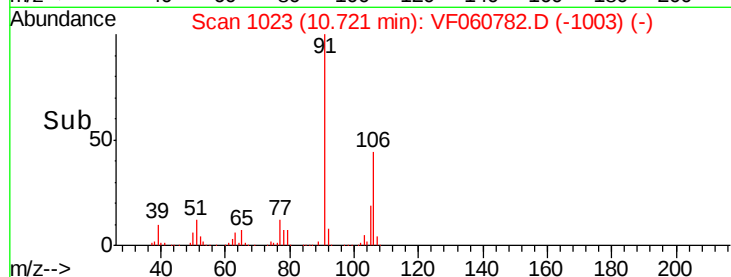
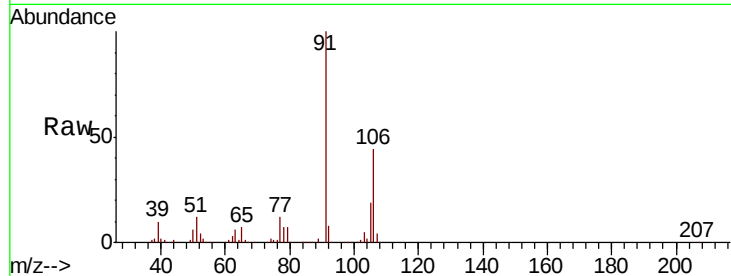




#69
o-Xylene
Concen: 22.597 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

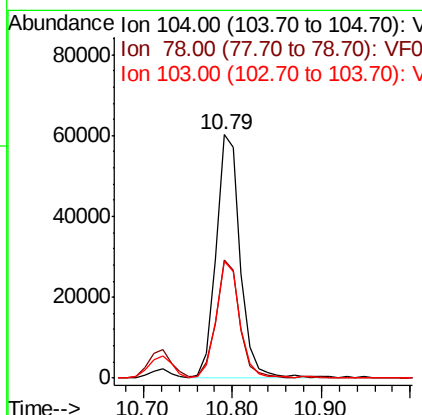
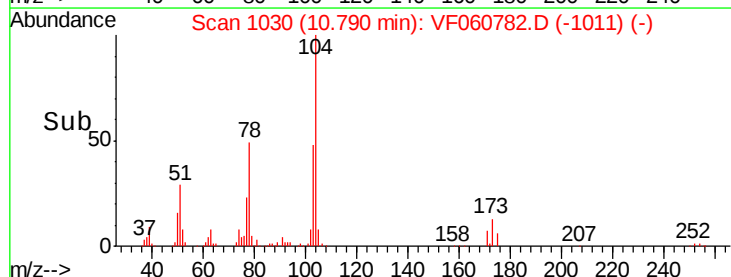
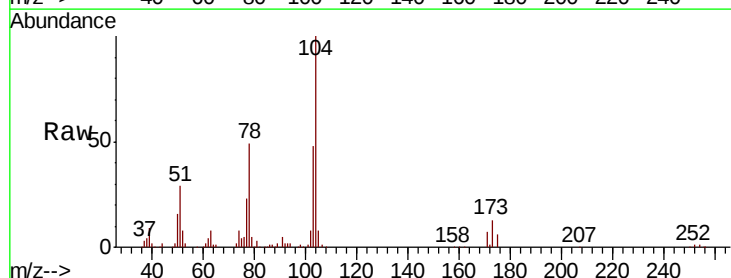
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

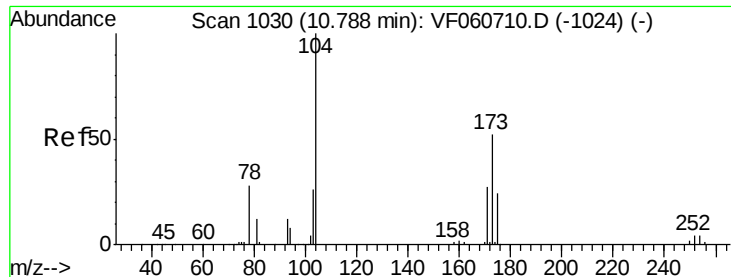
Tot Ion:106 Resp: 81693
Ion Ratio Lower Upper
106 100
91 225.4 110.3 330.9



#70
Styrene
Concen: 23.247 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion:104 Resp: 114059
Ion Ratio Lower Upper
104 100
78 48.5 35.4 53.2
103 48.0 35.8 53.6





#71

Bromoform

Concen: 23.455 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

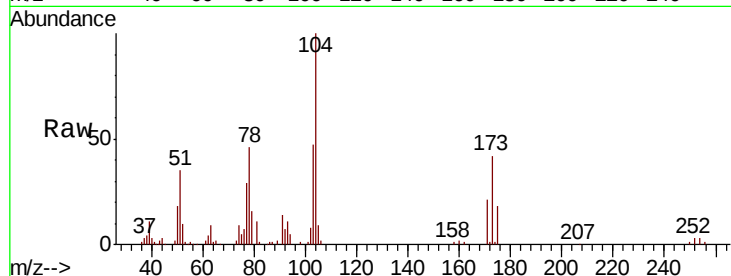
Tot Ion:173 Resp: 21960

Ion Ratio Lower Upper

173 100

175 44.1 23.4 70.0

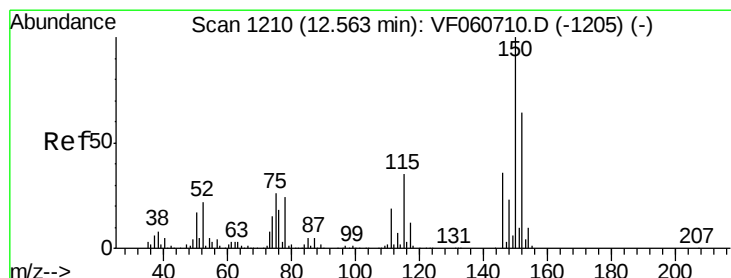
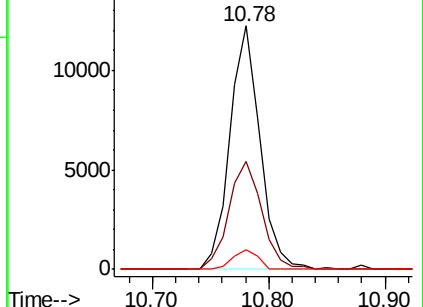
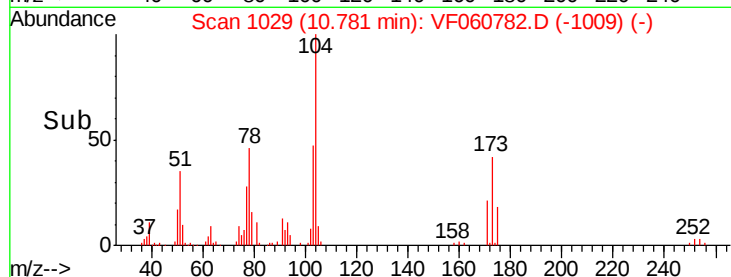
254 7.9 5.8 8.8



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: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

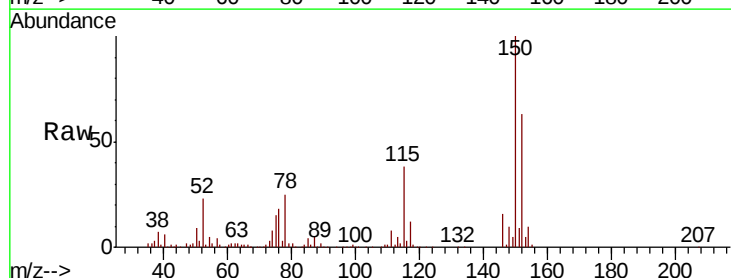
Tgt Ion:152 Resp: 138541

Ion Ratio Lower Upper

152 100

115 60.6 27.9 83.7

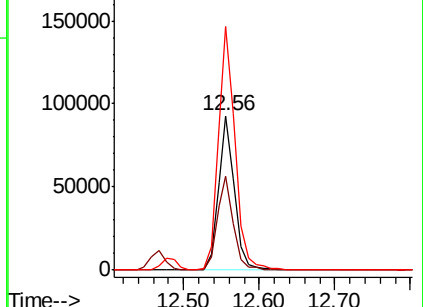
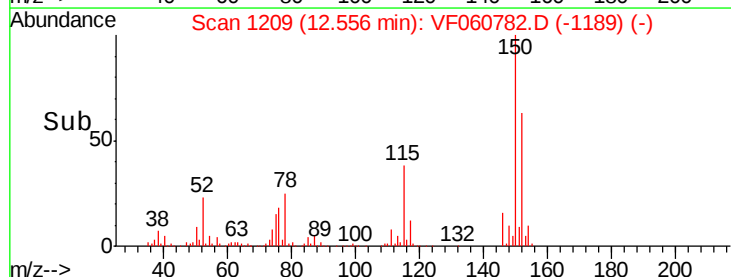
150 158.1 0.0 316.4

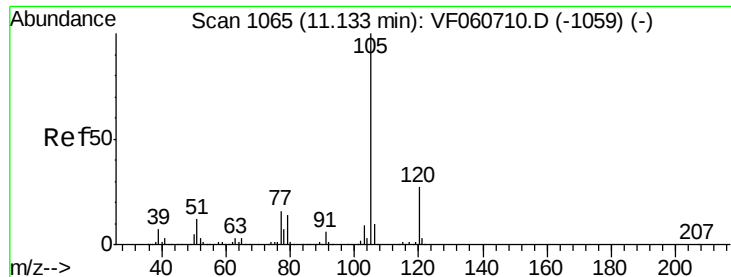


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.979 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

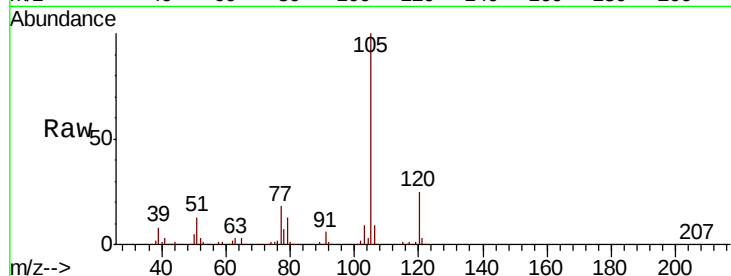
VF1119SBS01

Tot Ion:105 Resp: 256256

Ion Ratio Lower Upper

105 100

120 24.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

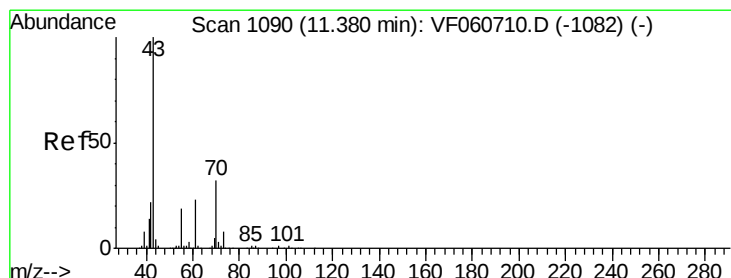
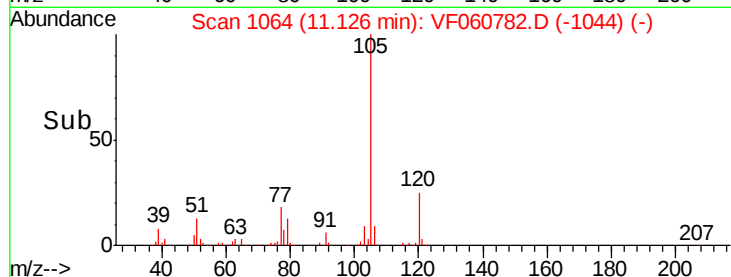
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 21.651 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Tgt Ion: 43 Resp: 54964

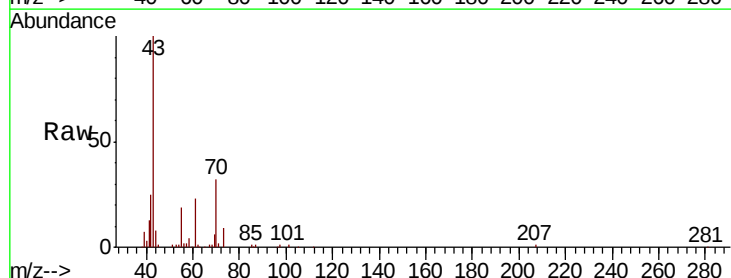
Ion Ratio Lower Upper

43 100

70 32.1 25.5 38.3

55 18.7 14.9 22.3

61 22.9 18.6 27.8



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

50000

40000

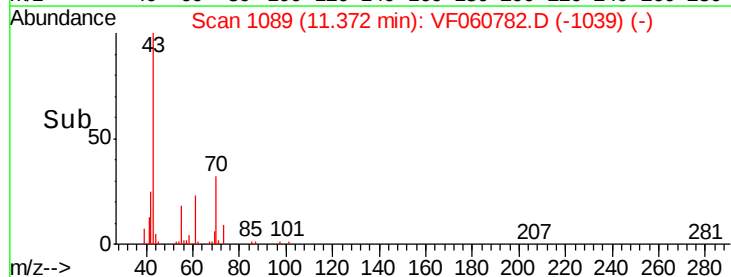
30000

20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.880 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

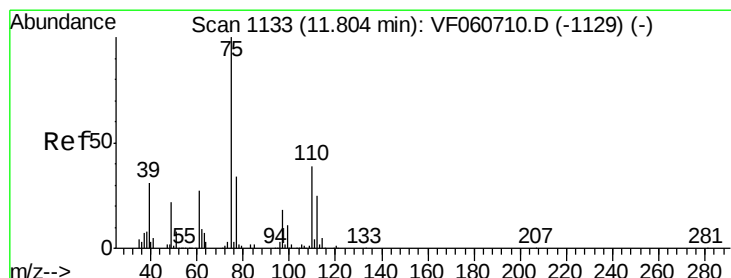
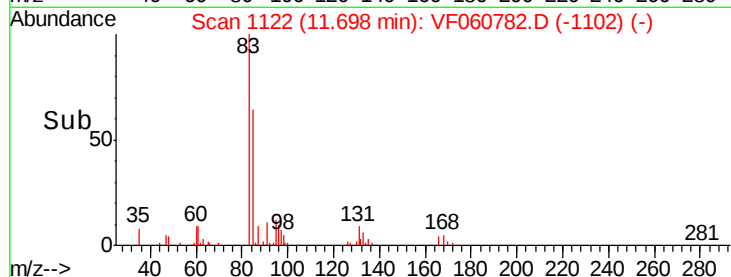
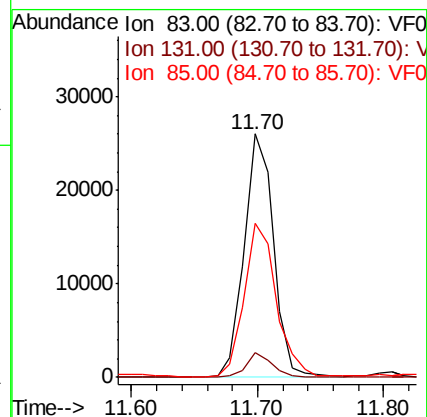
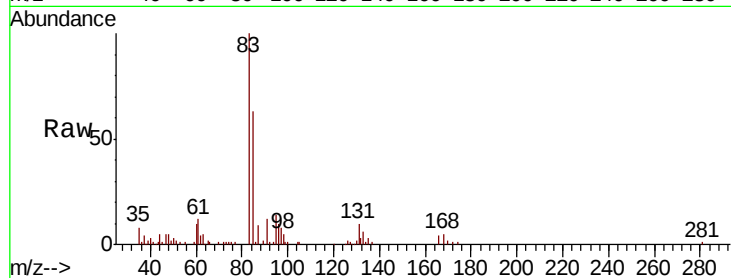
Tot Ion: 83 Resp: 42183

Ion Ratio Lower Upper

83 100

131 10.4 4.2 12.4

85 63.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 21.423 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060782.D

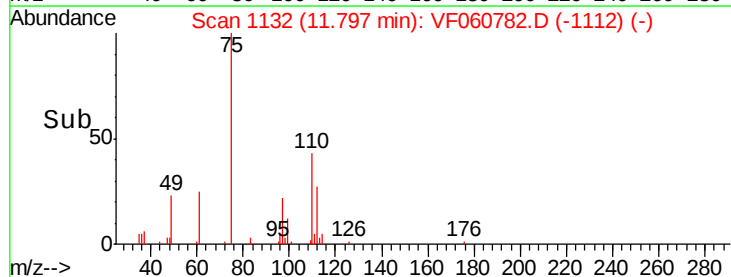
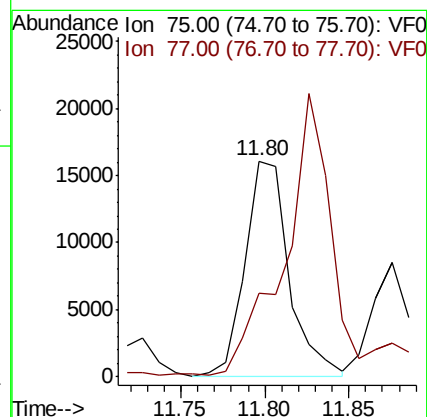
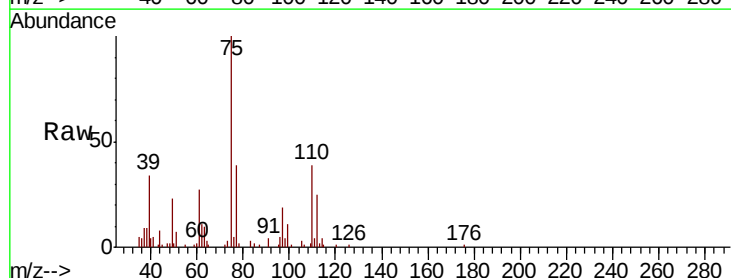
Acq: 19 Nov 2018 17:37

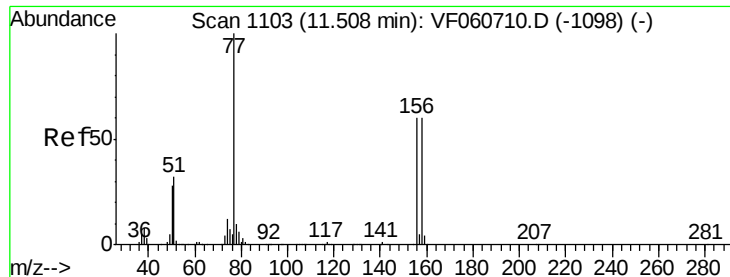
Tgt Ion: 75 Resp: 29334

Ion Ratio Lower Upper

75 100

77 38.6 17.0 51.0





#77

Bromobenzene

Concen: 22.342 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

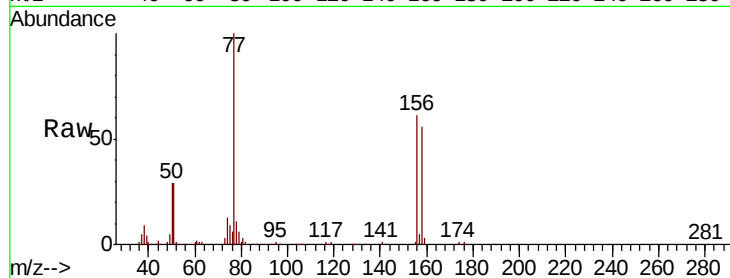
Tot Ion:156 Resp: 51861

Ion Ratio Lower Upper

156 100

77 164.1 83.0 248.9

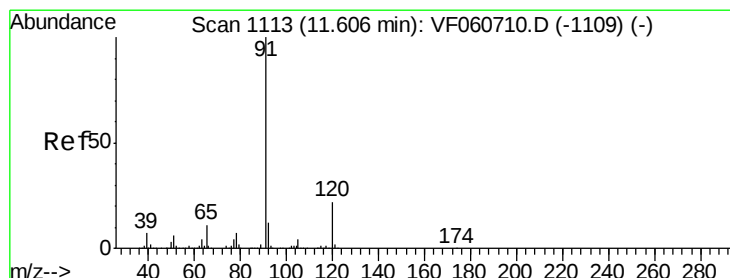
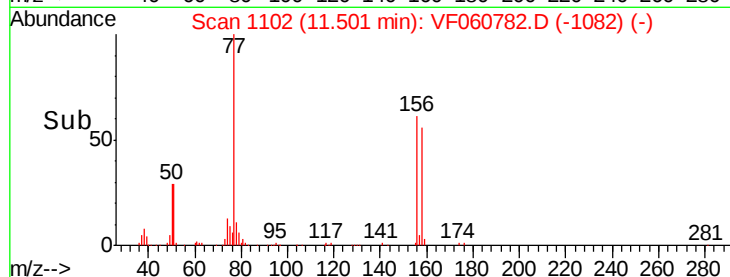
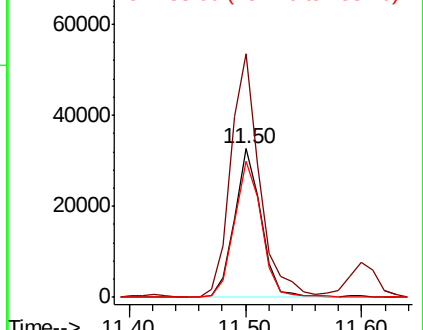
158 92.1 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.100 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060782.D

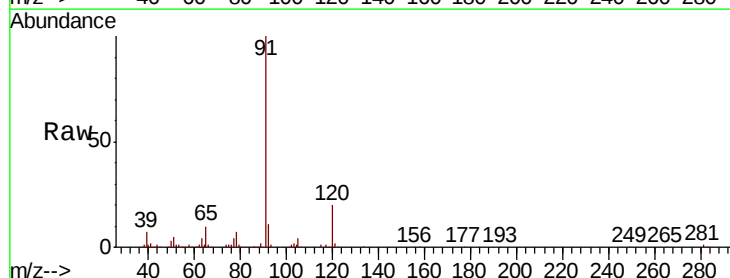
Acq: 19 Nov 2018 17:37

Tgt Ion: 91 Resp: 300439

Ion Ratio Lower Upper

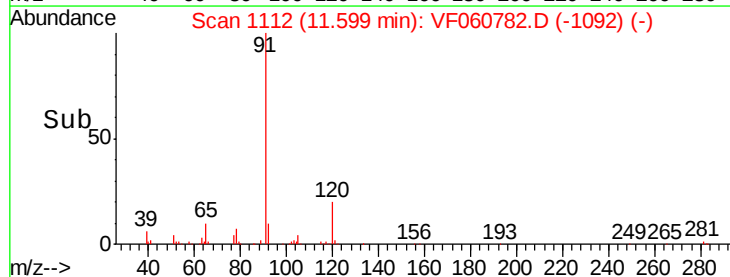
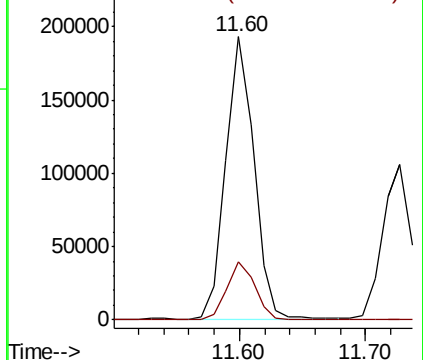
91 100

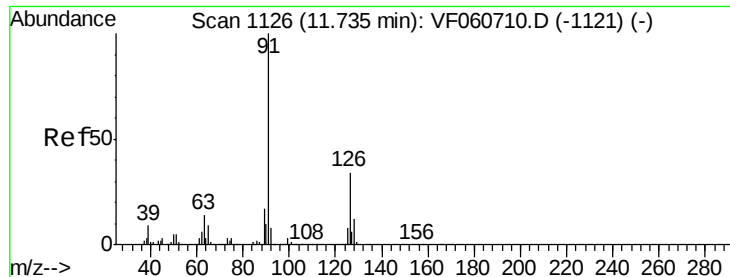
120 20.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.212 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

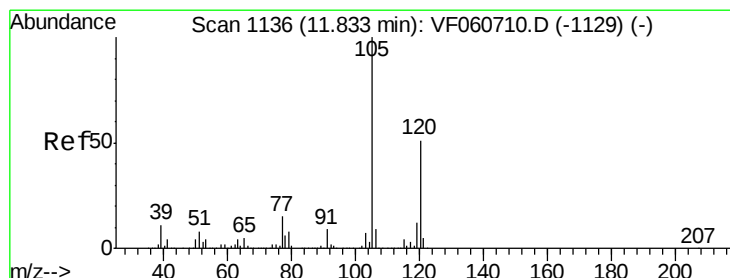
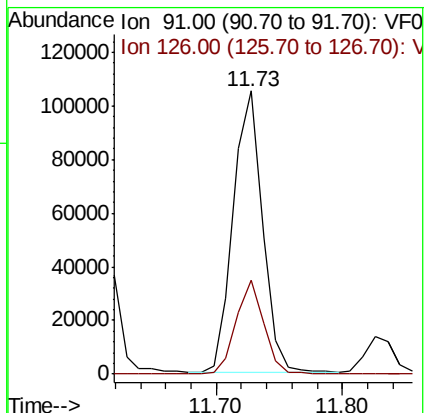
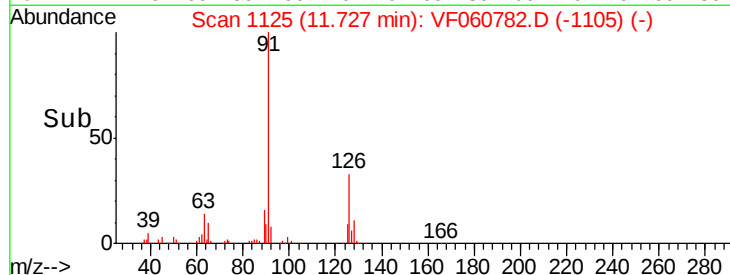
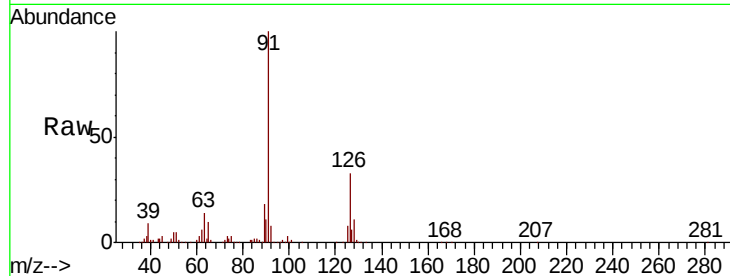
VF1119SBS01

Tot Ion: 91 Resp: 167900

Ion Ratio Lower Upper

91 100

126 33.0 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 24.005 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060782.D

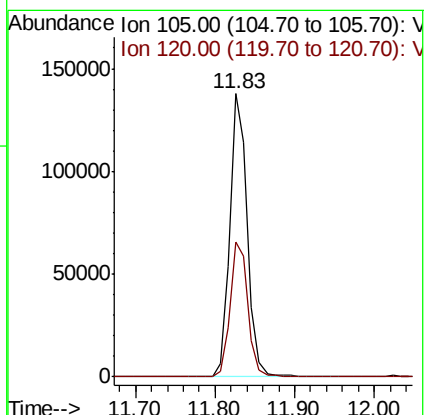
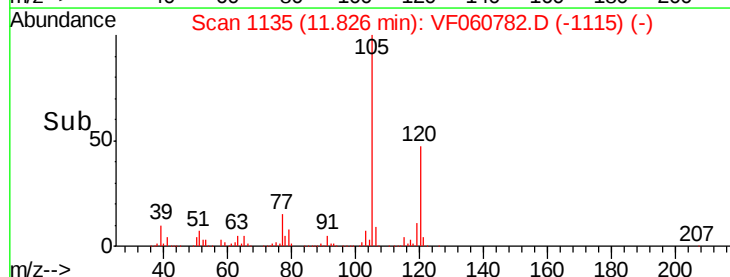
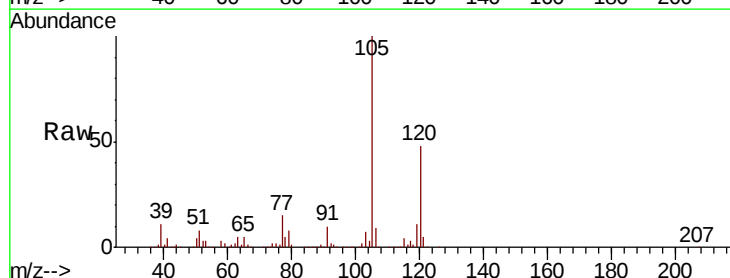
Acq: 19 Nov 2018 17:37

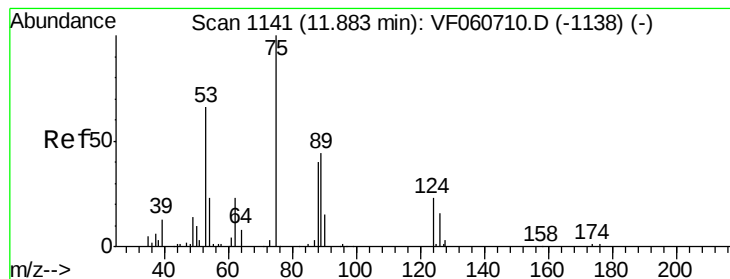
Tgt Ion: 105 Resp: 212524

Ion Ratio Lower Upper

105 100

120 47.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 25.982 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

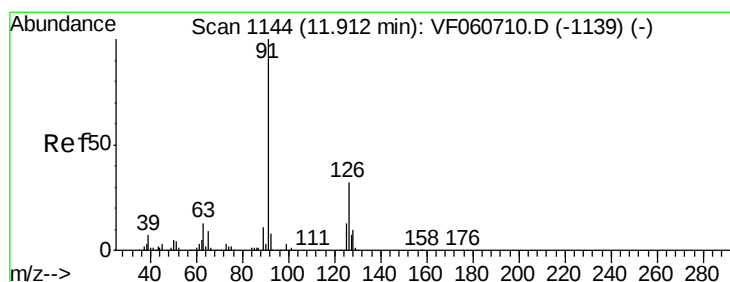
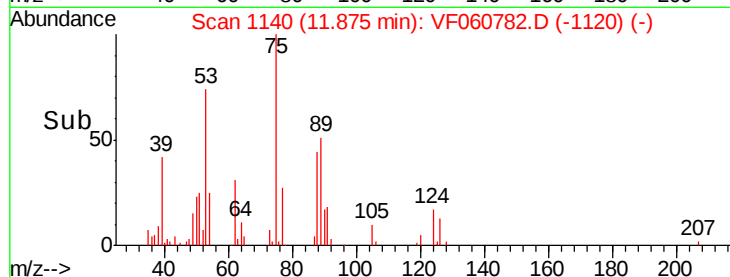
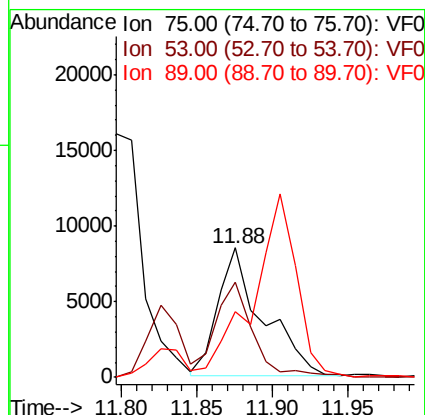
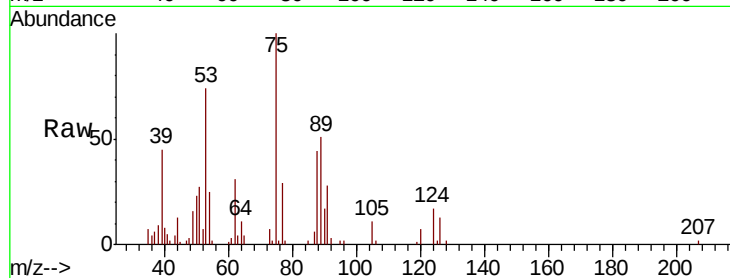
Tot Ion: 75 Resp: 17478

Ion Ratio Lower Upper

75 100

53 73.8 57.0 85.4

89 51.1 37.8 56.8



#82

4-Chlorotoluene

Concen: 21.592 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060782.D

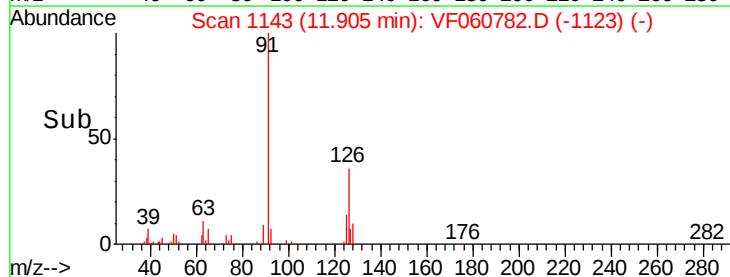
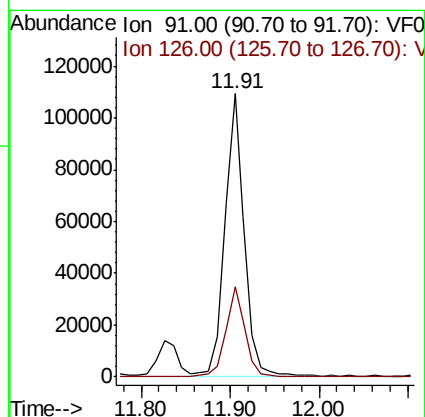
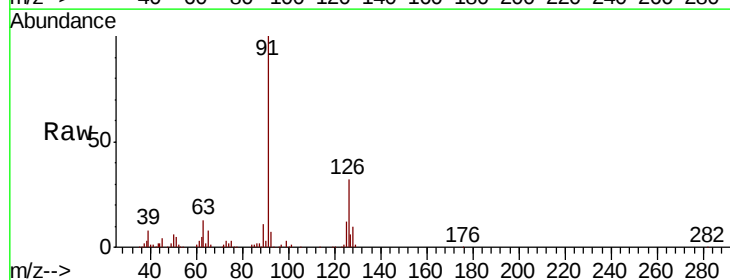
Acq: 19 Nov 2018 17:37

Tgt Ion: 91 Resp: 167208

Ion Ratio Lower Upper

91 100

126 31.8 16.0 47.9

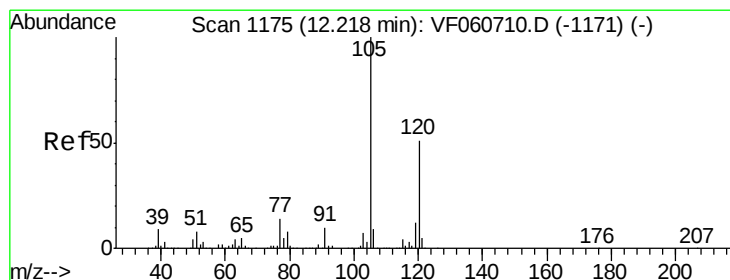
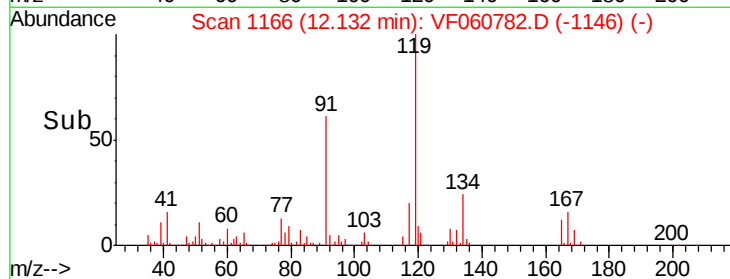
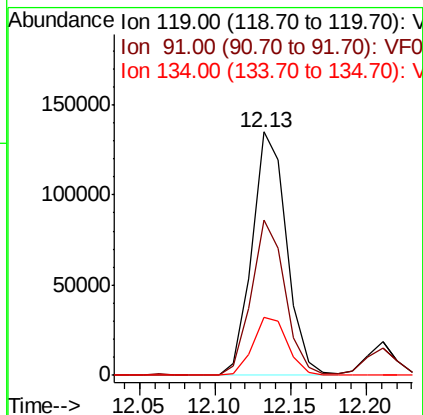
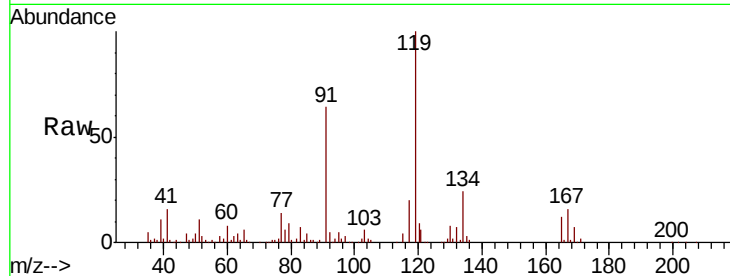




#83
 tert-Butylbenzene
 Concen: 22.912 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

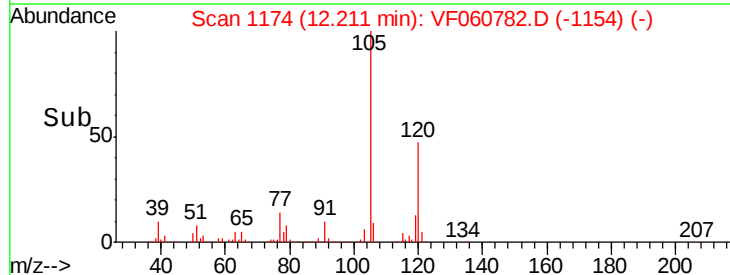
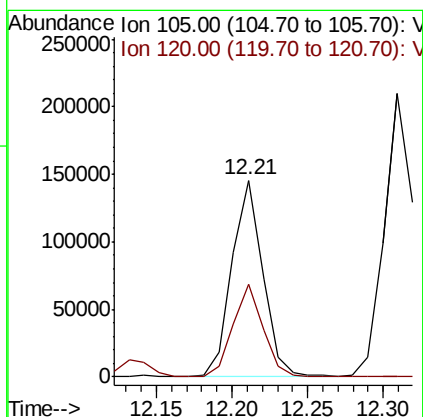
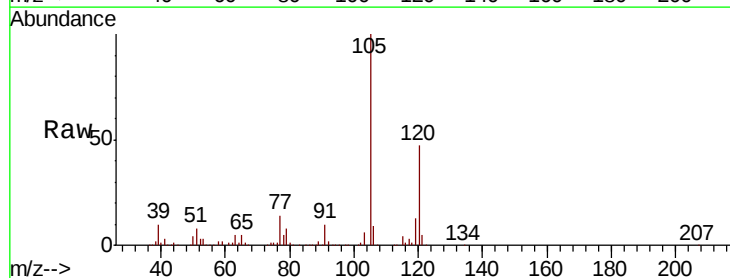
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

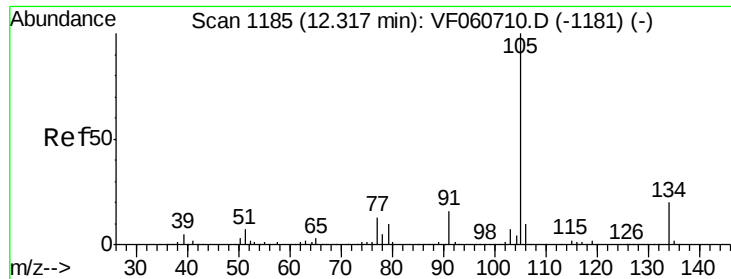
Tot Ion:119 Resp: 215383
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.4 94.3
 134 23.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.592 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion:105 Resp: 206857
 Ion Ratio Lower Upper
 105 100
 120 47.3 25.5 76.5





#85

sec-Butylbenzene

Concen: 22.962 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

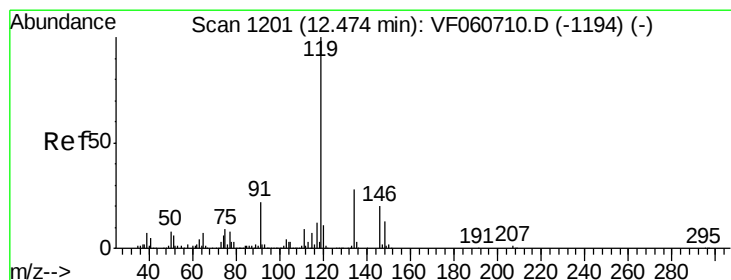
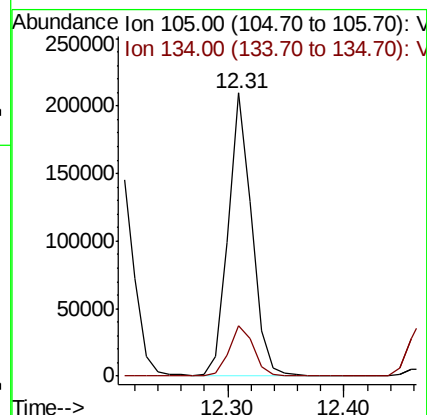
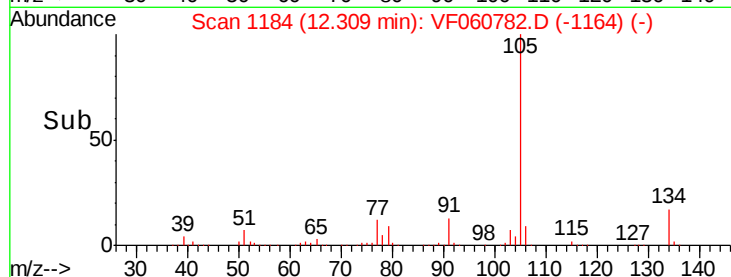
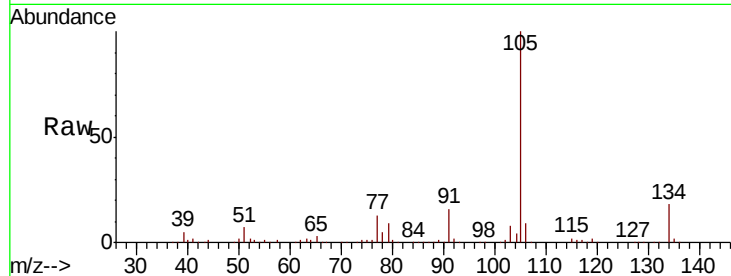
VF1119SBS01

Tot Ion:105 Resp: 292806

Ion Ratio Lower Upper

105 100

134 17.7 10.1 30.3



#86

p-Isopropyltoluene

Concen: 22.933 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

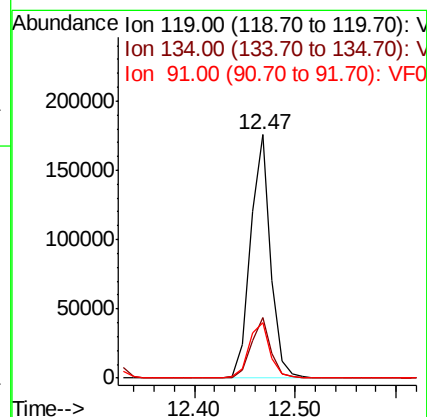
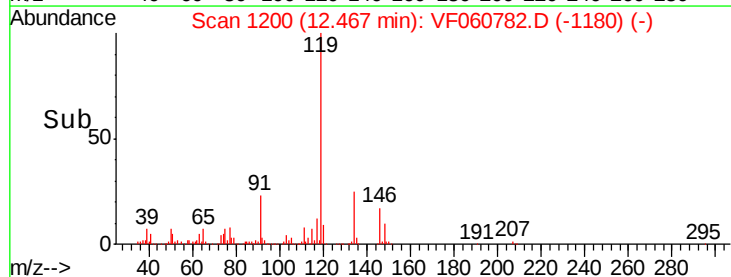
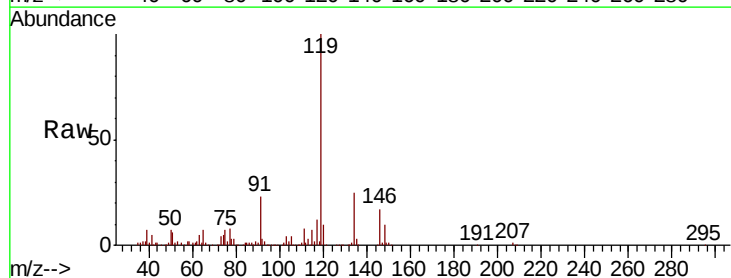
Tgt Ion:119 Resp: 244239

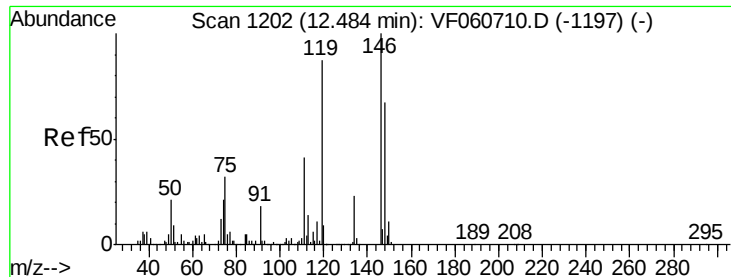
Ion Ratio Lower Upper

119 100

134 24.8 13.9 41.7

91 22.6 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 22.770 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

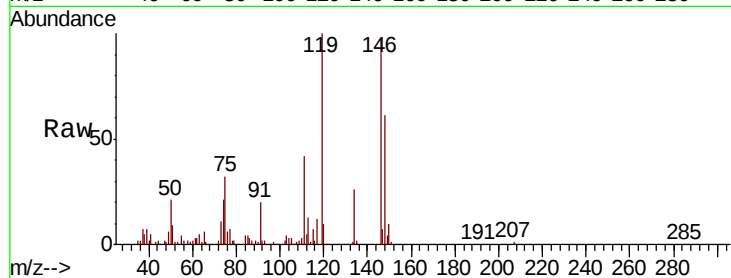
Tot Ion:146 Resp: 105186

Ion Ratio Lower Upper

146 100

111 43.0 20.3 60.8

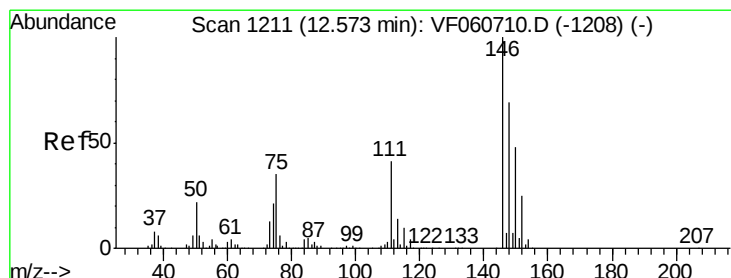
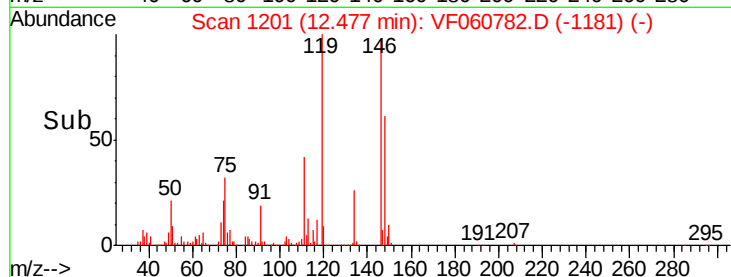
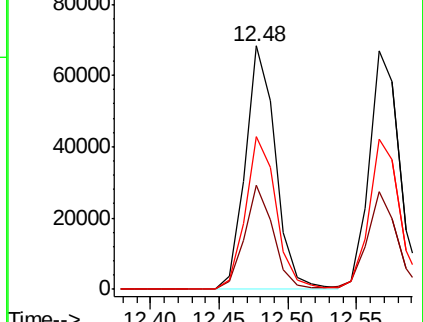
148 62.9 33.3 99.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 23.201 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

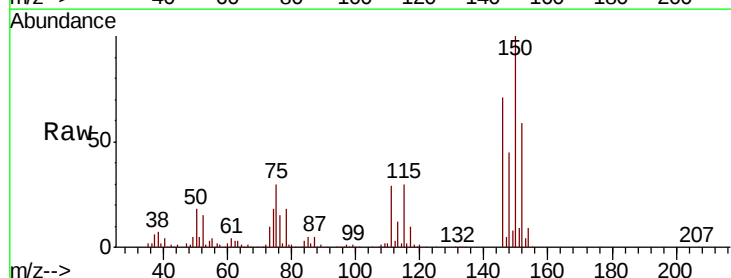
Tgt Ion:146 Resp: 103004

Ion Ratio Lower Upper

146 100

111 40.8 20.6 61.9

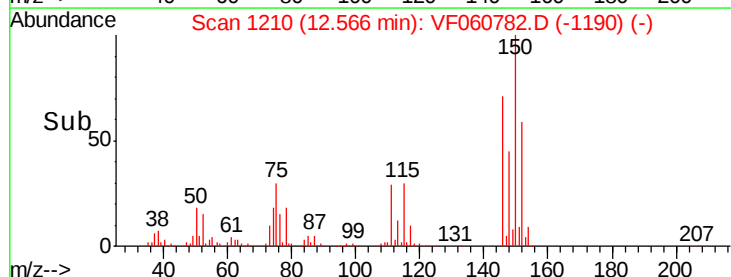
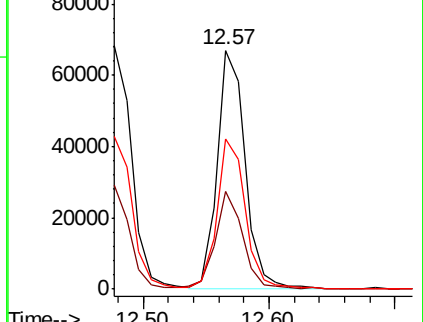
148 62.8 34.7 104.1

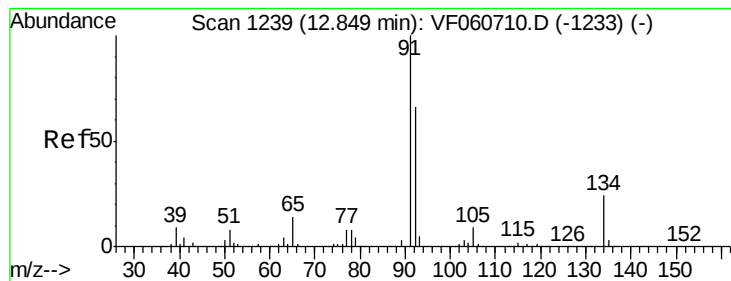


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.492 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060782.D

Acq: 19 Nov 2018 17:37

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

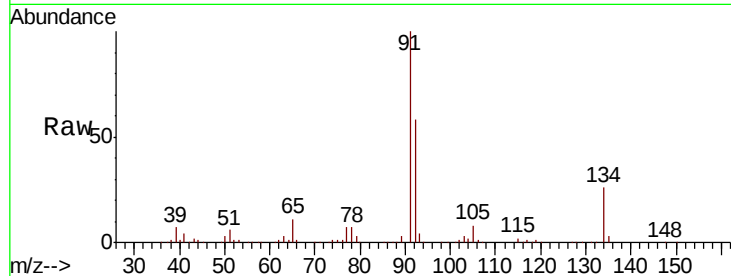
Tot Ion: 91 Resp: 255325

Ion Ratio Lower Upper

91 100

92 58.4 33.1 99.2

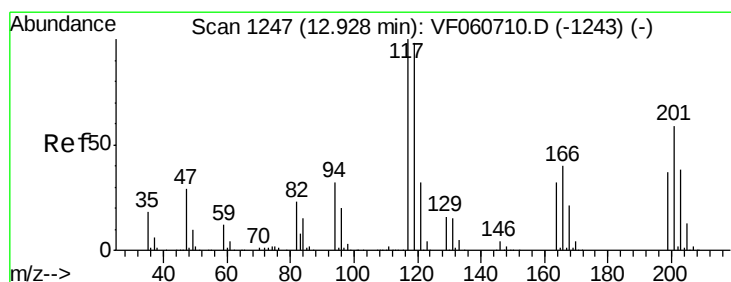
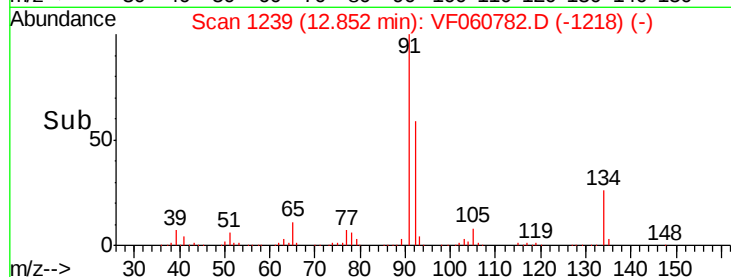
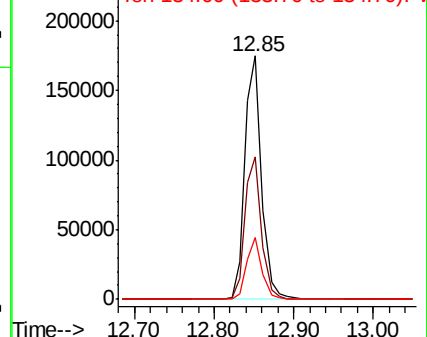
134 25.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.629 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF060782.D

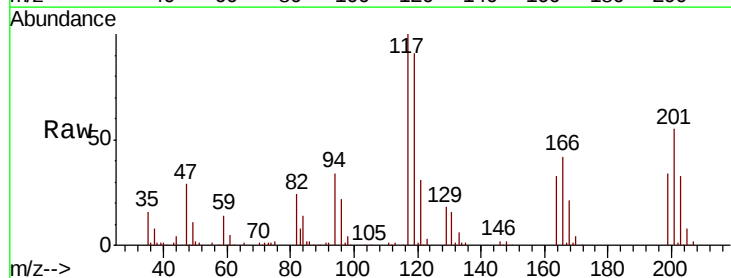
Acq: 19 Nov 2018 17:37

Tgt Ion: 117 Resp: 58947

Ion Ratio Lower Upper

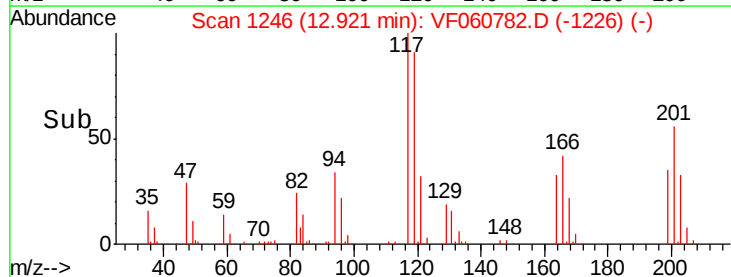
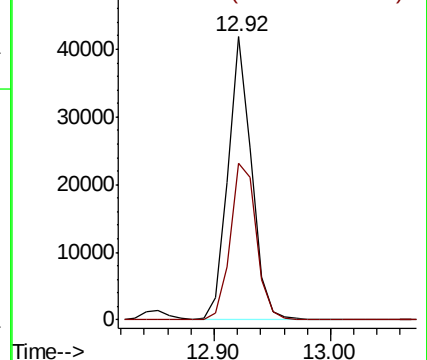
117 100

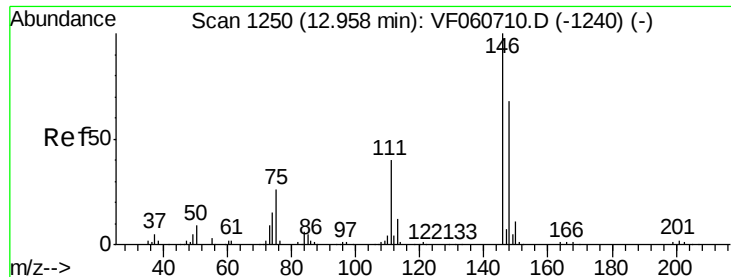
201 55.2 29.4 88.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

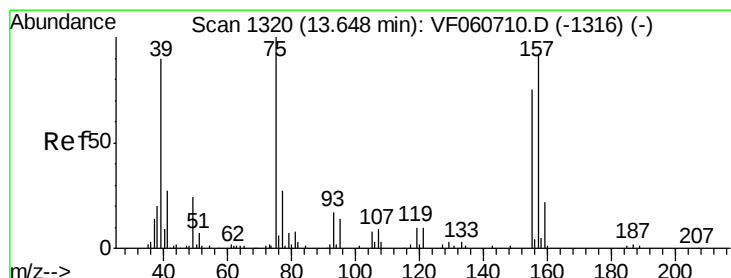
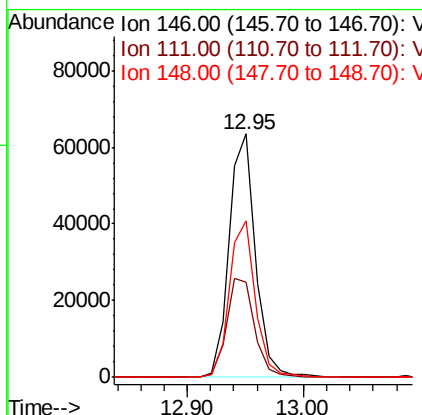
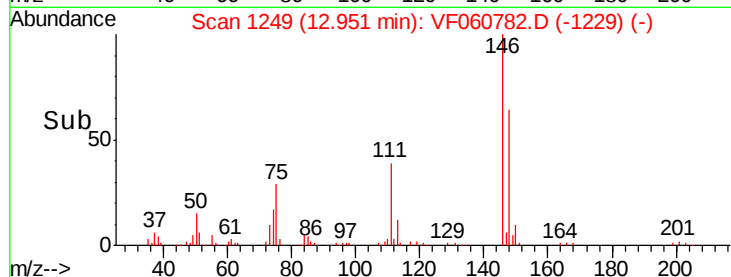
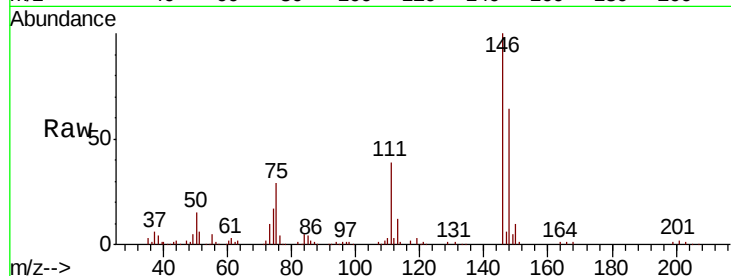




#91
 1,2-Dichlorobenzene
 Concen: 22.871 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

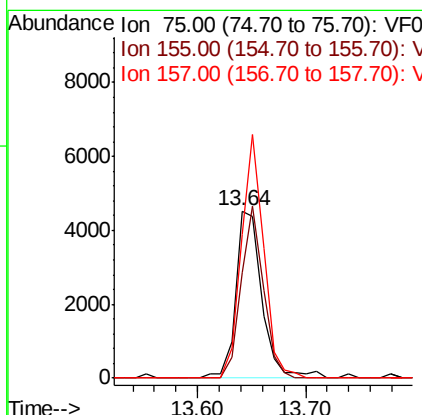
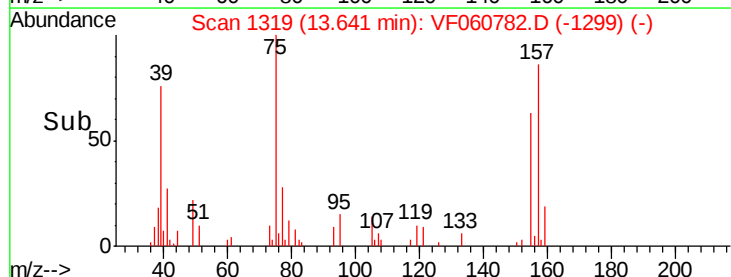
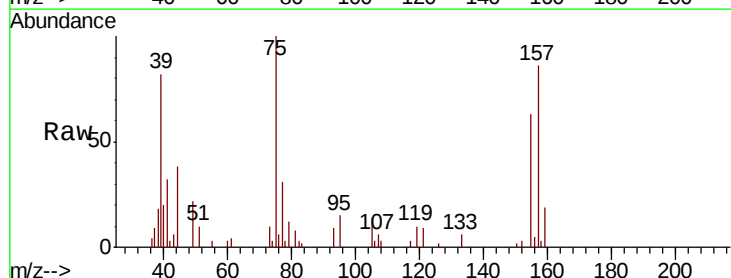
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

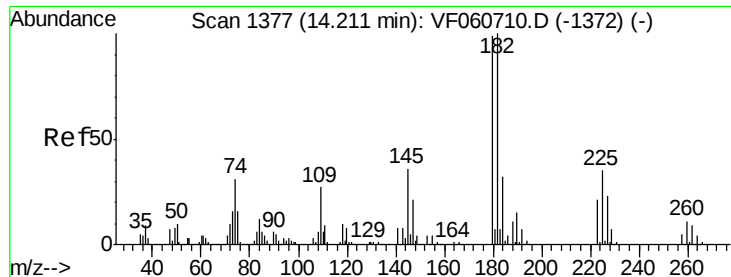
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	64.5	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.056 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.1	37.4	112.2
157	86.0	46.0	138.0

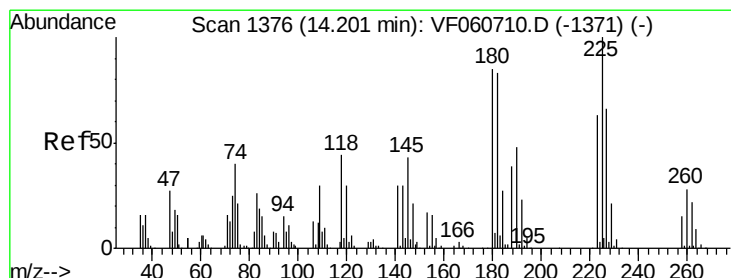
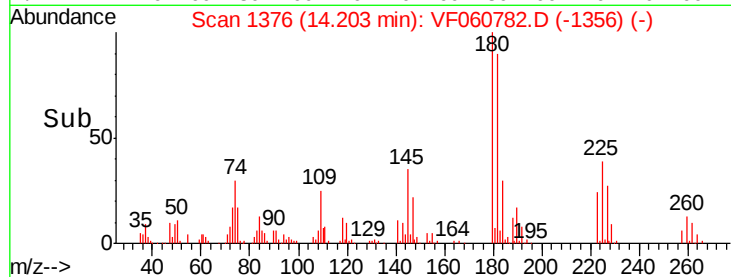
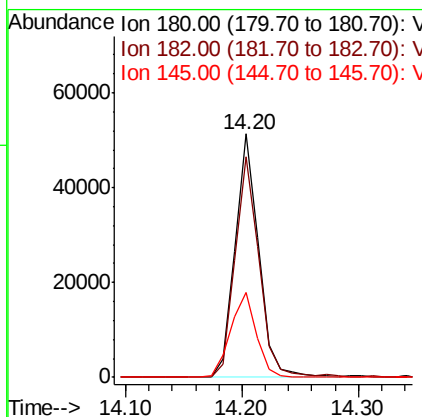
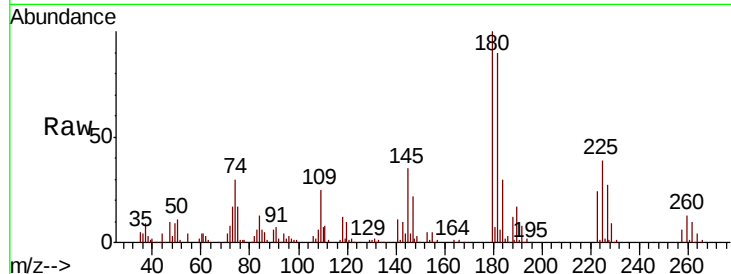




#93
 1,2,4-Trichlorobenzene
 Concen: 23.187 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

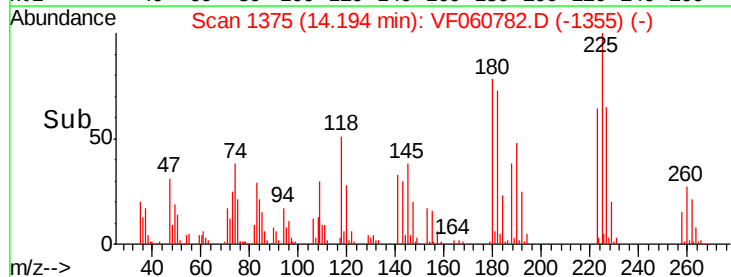
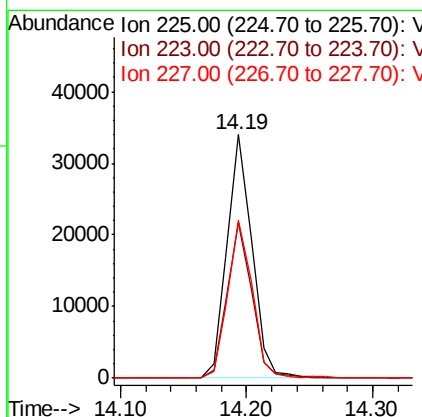
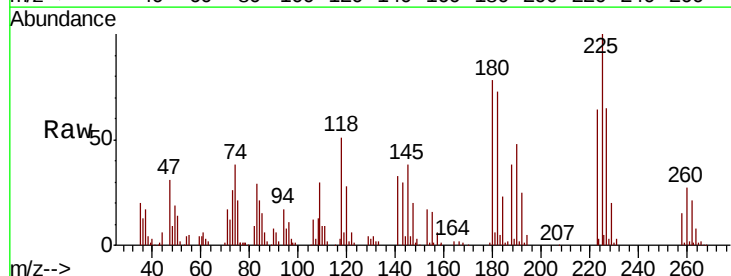
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

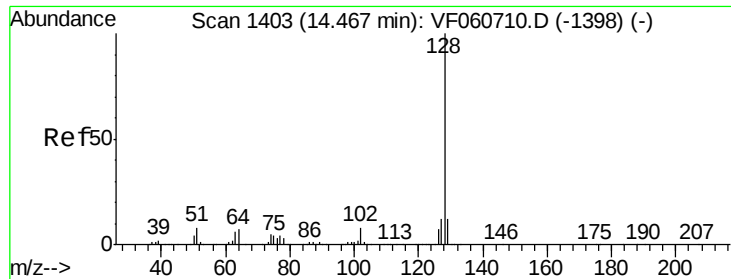
Tot Ion:180 Resp: 72487
 Ion Ratio Lower Upper
 180 100
 182 90.4 50.3 151.0
 145 34.7 18.3 54.9



#94
 Hexachlorobutadiene
 Concen: 22.775 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060782.D
 Acq: 19 Nov 2018 17:37

Tgt Ion:225 Resp: 46526
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.5 94.5
 227 64.7 33.0 99.0

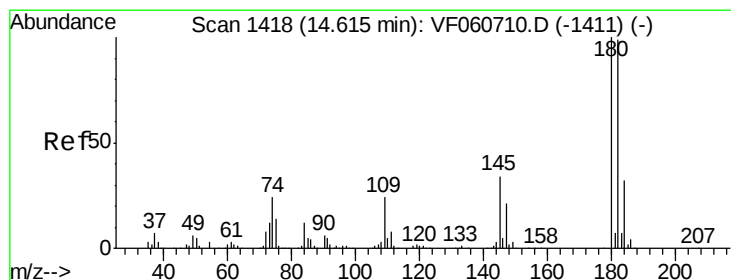
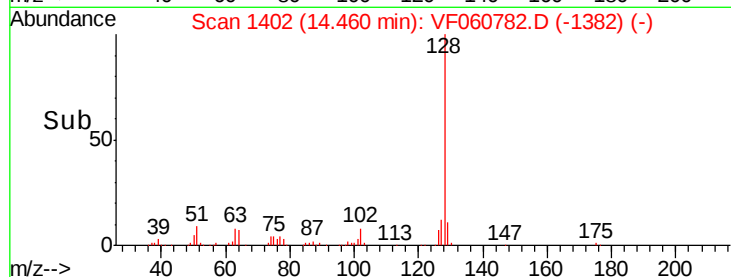
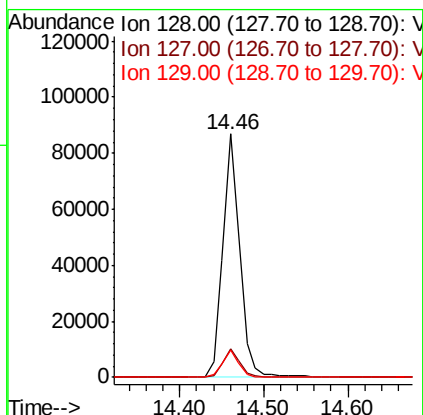
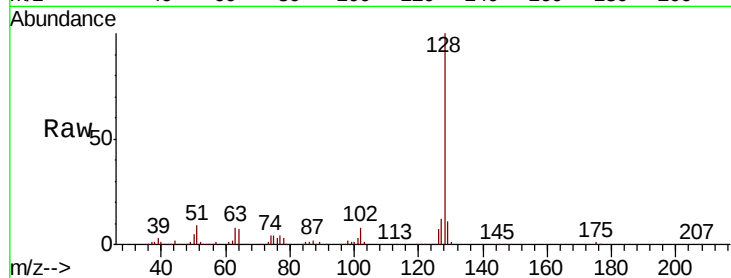




#95
Naphthalene
Concen: 21.548 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.6
129	11.3	9.3	13.9



#96
1,2,3-Trichlorobenzene
Concen: 22.303 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060782.D
Acq: 19 Nov 2018 17:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	49.6	149.0
145	36.4	16.9	50.7

