

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060783.D
 Acq On : 19 Nov 2018 18:06
 Operator : VA/AP
 Sample : VF1119SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Quant Time: Nov 20 02:18:39 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	146822	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	259811	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	240018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	136939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	85153	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	4.12	113	96160	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	7.56	98	253099	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.41	95	132257	57.86	ug/l	0.00
Spiked Amount			Recovery	=	115.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	64403	24.510	ug/l	96
3) Chloromethane	1.10	50	37247	22.857	ug/l #	88
4) Vinyl Chloride	1.15	62	34113	23.401	ug/l	89
5) Bromomethane	1.33	94	24444	26.398	ug/l	93
6) Chloroethane	1.37	64	13829	24.247	ug/l	97
7) Trichlorofluoromethane	1.49	101	78506	24.354	ug/l	98
8) Diethyl Ether	1.64	74	8795	21.294	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.82	101	39486	25.993	ug/l	95
10) Methyl Iodide	1.89	142	58426	23.971	ug/l	91
11) Tert butyl alcohol	2.58	59	8668	113.729	ug/l	97
12) 1,1-Dichloroethene	1.78	96	28170	23.518	ug/l	98
13) Acrolein	2.01	56	6916	99.242	ug/l	83
14) Allyl chloride	2.10	41	47697	22.730	ug/l	96
15) Acrylonitrile	2.95	53	18816	115.858	ug/l	86
16) Acetone	2.25	43	40520	113.200	ug/l	99
17) Carbon Disulfide	1.77	76	25413	7.020	ug/l #	84
18) Methyl Acetate	2.35	43	15292	26.017	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	63998	22.271	ug/l	95
20) Methylene Chloride	2.19	84	29607	23.363	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	29747	23.770	ug/l	83
22) Diisopropyl ether	2.81	45	91384	22.556	ug/l	97
23) Vinyl Acetate	3.19	43	219296	114.949	ug/l	100
24) 1,1-Dichloroethane	2.88	63	60218	24.551	ug/l	99
25) 2-Butanone	4.34	43	62534	106.212	ug/l	92
26) 2,2-Dichloropropane	3.60	77	46959	24.329	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	44798	21.043	ug/l	98
28) Bromochloromethane	3.73	49	29799	23.377	ug/l	86
29) Tetrahydrofuran	4.08	42	27281	112.334	ug/l	94
30) Chloroform	3.86	83	88119	22.392	ug/l	92
31) Cyclohexane	3.70	56	61658	20.712	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	73500	23.717	ug/l	94
36) 1,1-Dichloropropene	4.29	75	65649	21.787	ug/l	95
37) Ethyl Acetate	4.12	43	25580	22.834	ug/l #	84
38) Carbon Tetrachloride	3.99	117	67732	23.166	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	74541	21.323	ug/l	93
40) Benzene	4.64	78	142352	21.193	ug/l	97
41) Methacrylonitrile	4.74	41	14358	21.578	ug/l	95
42) 1,2-Dichloroethane	4.95	62	51930	22.373	ug/l	99
43) Isopropyl Acetate	6.97	43	30727	20.688	ug/l #	97
44) Trichloroethene	5.51	130	45588	21.512	ug/l	97
45) 1,2-Dichloropropane	6.24	63	37032	21.187	ug/l	92
46) Dibromomethane	6.09	93	23805	20.633	ug/l	95
47) Bromodichloromethane	6.39	83	63664	21.608	ug/l	97
48) Methyl methacrylate	6.73	41	19465	19.802	ug/l	98
49) 1,4-Dioxane	6.72	88	3850	418.781	ug/l #	83
51) 4-Methyl-2-Pentanone	8.26	43	118300	110.125	ug/l	98
52) Toluene	7.63	92	95652	21.251	ug/l	92
53) t-1,3-Dichloropropene	8.28	75	49102	20.808	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	66044	21.546	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	26173	20.352	ug/l #	85
56) Ethyl methacrylate	8.63	69	31349	21.464	ug/l	91
57) 1,3-Dichloropropane	8.87	76	50301	22.569	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	15488	116.084	ug/l	100
59) 2-Hexanone	9.50	43	93835	124.295	ug/l	96
60) Dibromochloromethane	8.73	129	39233	21.405	ug/l	97
61) 1,2-Dibromoethane	8.99	107	29295	21.659	ug/l	98
64) Tetrachloroethene	8.16	164	40645	21.385	ug/l	95
65) Chlorobenzene	9.80	112	100531	20.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	46082	21.814	ug/l	97
67) Ethyl Benzene	9.91	91	205682	22.529	ug/l	100
68) m/p-Xylenes	10.14	106	146136	44.791	ug/l	85
69) o-Xylene	10.72	106	83879	22.867	ug/l	97
70) Styrene	10.80	104	115746	23.251	ug/l	99
71) Bromoform	10.78	173	21324	22.447	ug/l	96
73) Isopropylbenzene	11.13	105	248061	22.505	ug/l	98
74) N-amyl acetate	11.38	43	62198	24.787	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	41452	22.746	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	30233	22.338	ug/l	99
77) Bromobenzene	11.50	156	48765	21.254	ug/l	90
78) n-propylbenzene	11.60	91	301557	23.457	ug/l	95
79) 2-Chlorotoluene	11.73	91	169917	22.741	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	204403	23.358	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	18422	27.705	ug/l	94
82) 4-Chlorotoluene	11.90	91	169222	22.108	ug/l	98
83) tert-Butylbenzene	12.13	119	215479	23.191	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	191899	21.203	ug/l	93
85) sec-Butylbenzene	12.31	105	278737	22.115	ug/l	94
86) p-Isopropyltoluene	12.47	119	240064	22.805	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	104721	22.935	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	96580	22.008	ug/l	94
89) n-Butylbenzene	12.85	91	241497	22.480	ug/l	94
90) Hexachloroethane	12.92	117	53772	20.884	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	96106	22.354	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.65	75	6829	19.938	ug/l	67

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

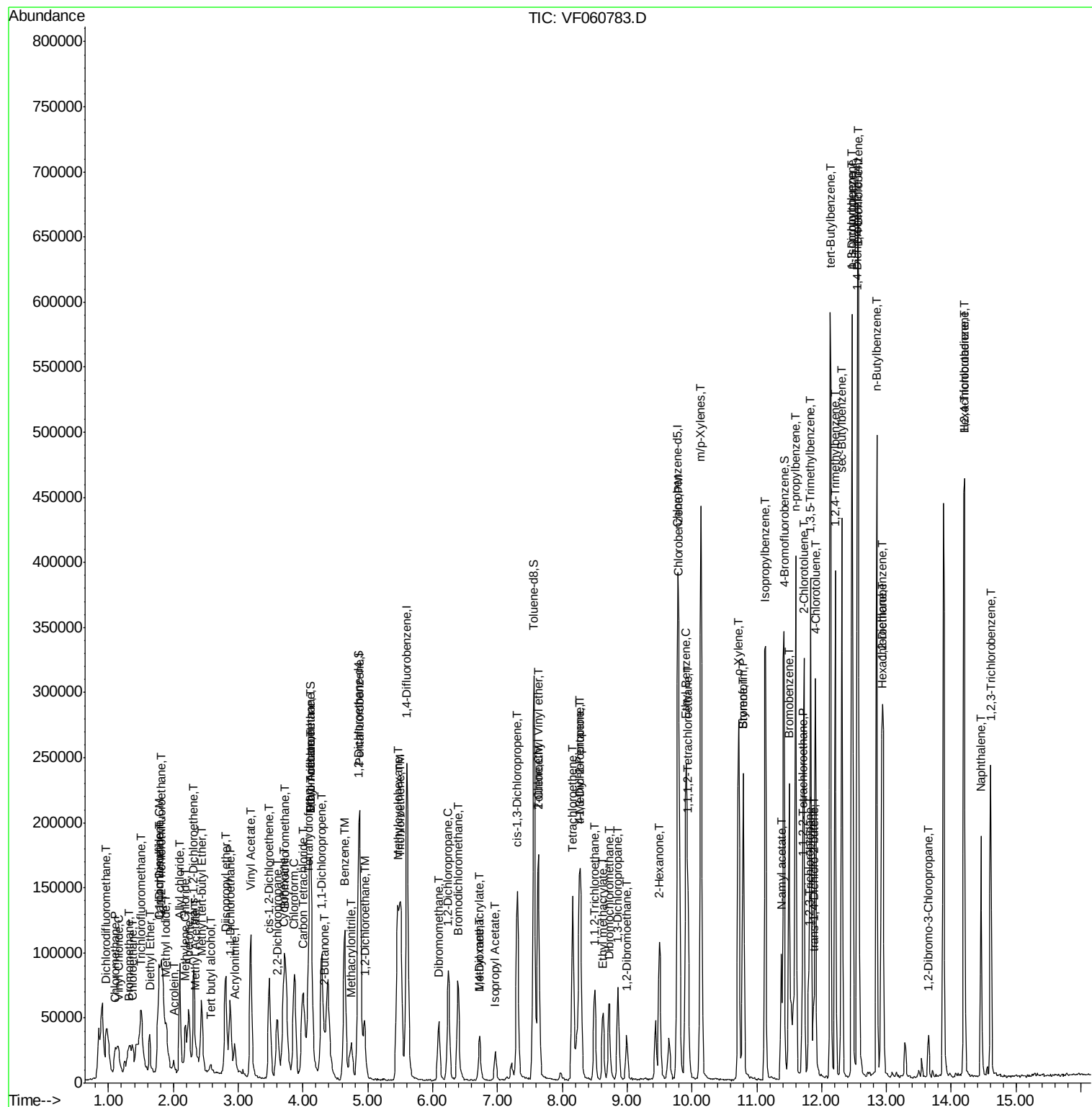
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70174	22.710	ug/l	93
94) Hexachlorobutadiene	14.19	225	45501	22.534	ug/l	98
95) Naphthalene	14.46	128	127864	22.678	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	60530	21.199	ug/l	94

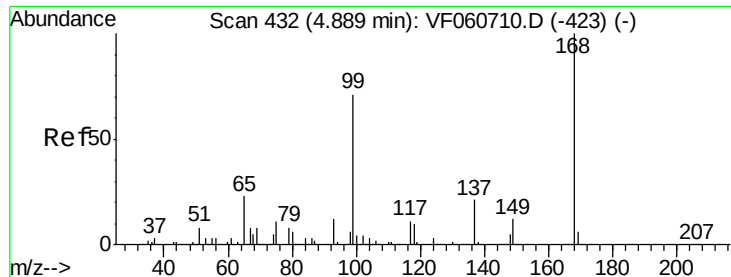
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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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: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

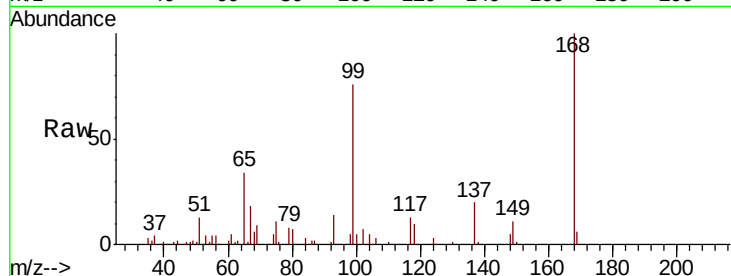
VF1119SBS01

Tot Ion:168 Resp: 146822

Ion Ratio Lower Upper

168 100

99 76.3 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

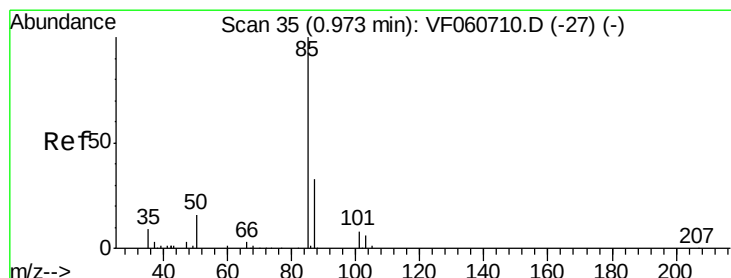
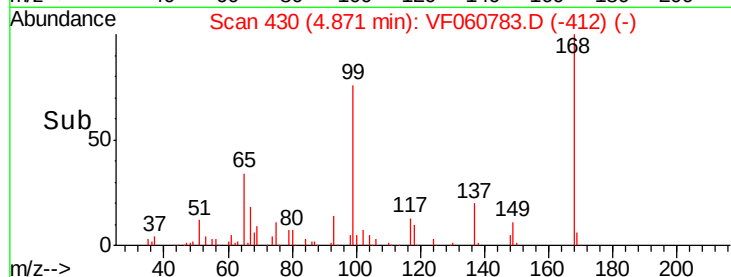
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 24.510 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060783.D

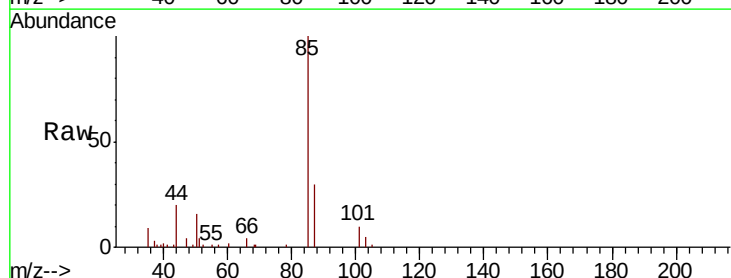
Acq: 19 Nov 2018 18:06

Tgt Ion: 85 Resp: 64403

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

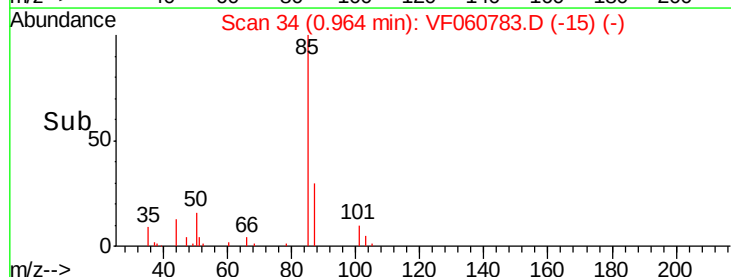
15000

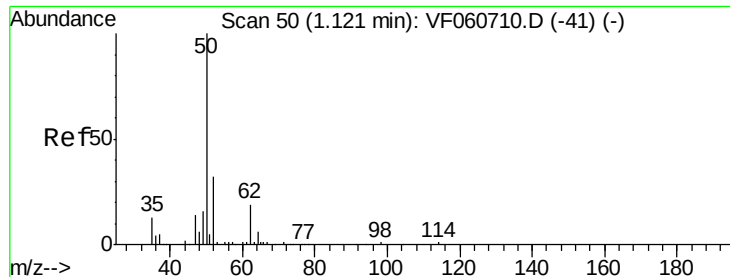
10000

5000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.857 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

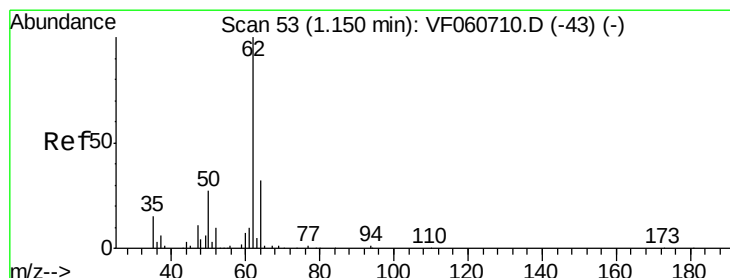
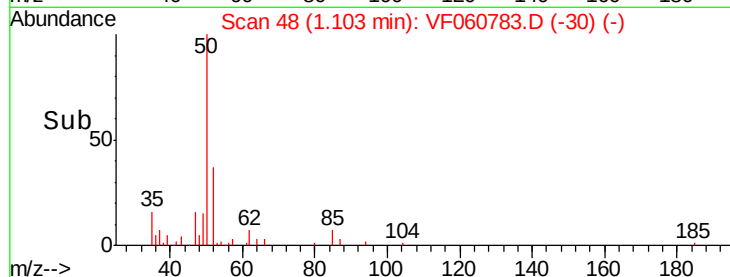
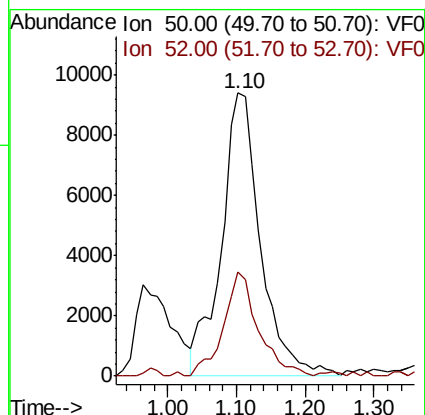
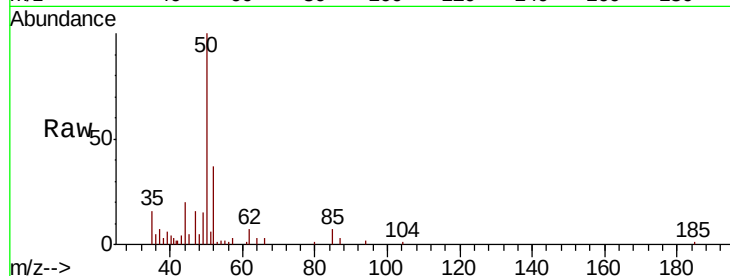
VF1119SBS01

Tot Ion: 50 Resp: 37247

Ion Ratio Lower Upper

50 100

52 36.6 24.2 36.2#



#4

Vinyl Chloride

Concen: 23.401 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060783.D

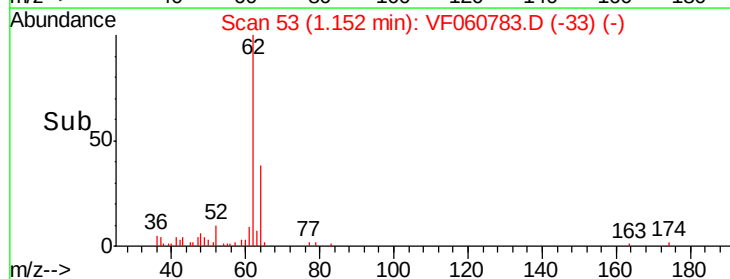
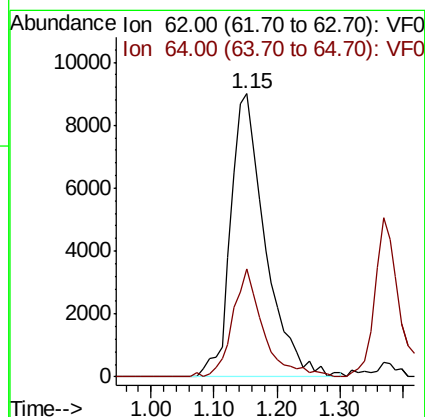
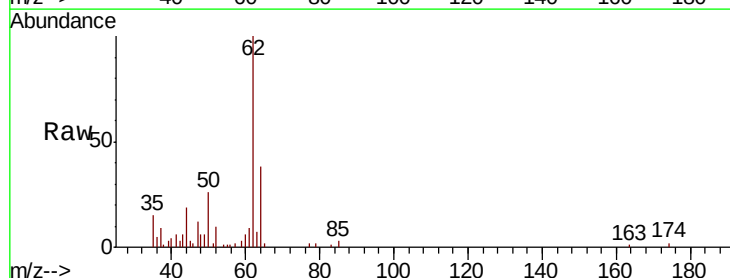
Acq: 19 Nov 2018 18:06

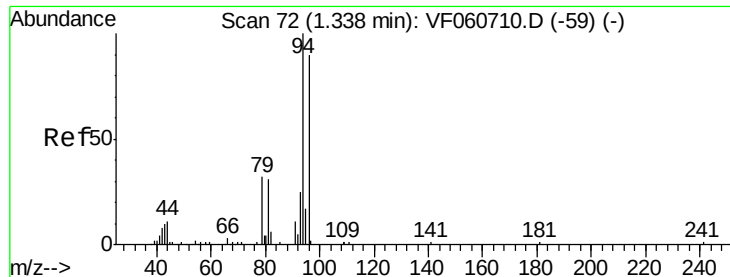
Tgt Ion: 62 Resp: 34113

Ion Ratio Lower Upper

62 100

64 38.3 25.8 38.8





#5

Bromomethane

Concen: 26.398 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

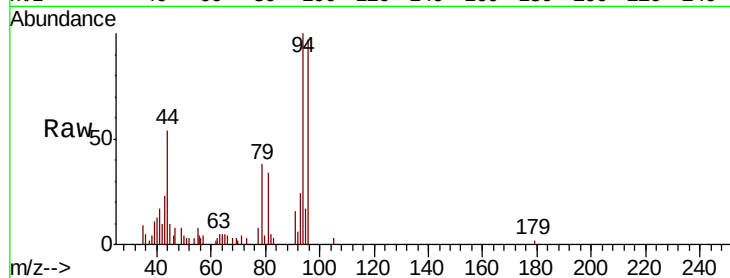
VF1119SBS01

Tot Ion: 94 Resp: 24444

Ion Ratio Lower Upper

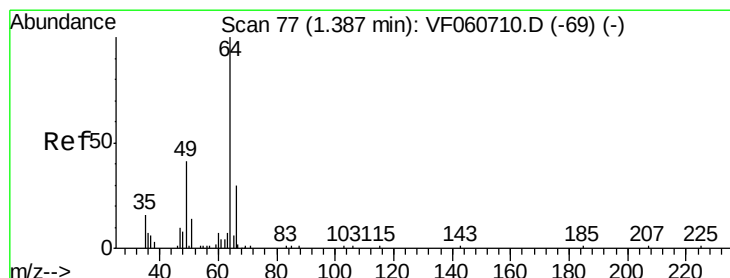
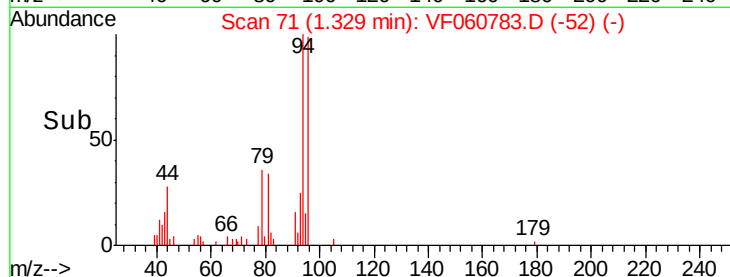
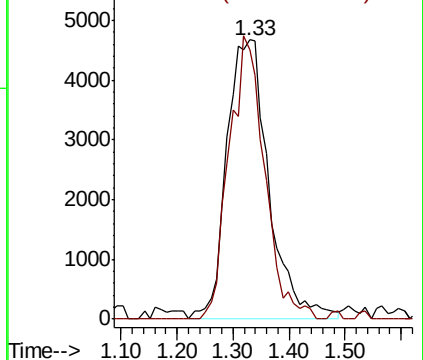
94 100

96 96.6 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: 24.247 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060783.D

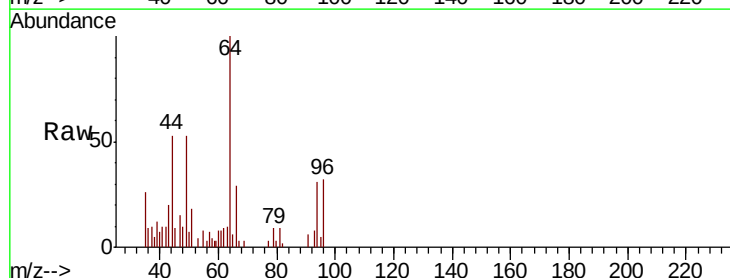
Acq: 19 Nov 2018 18:06

Tgt Ion: 64 Resp: 13829

Ion Ratio Lower Upper

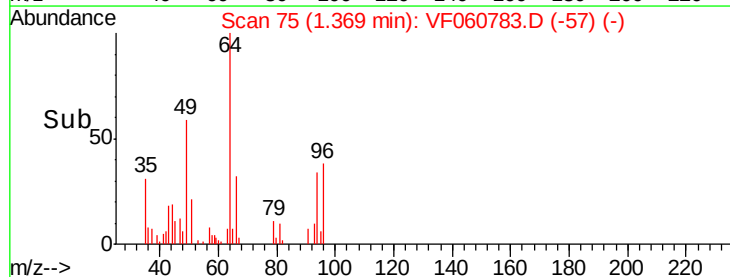
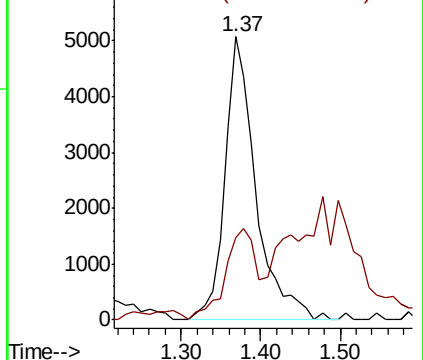
64 100

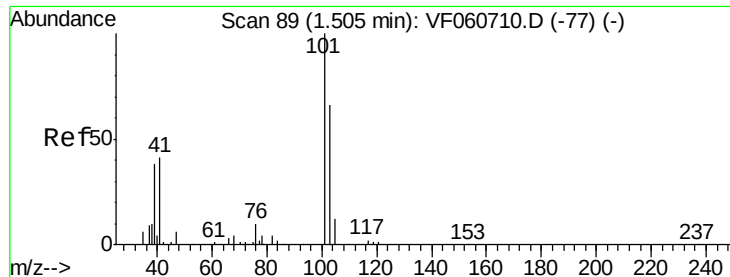
66 29.2 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 24.354 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.02 min

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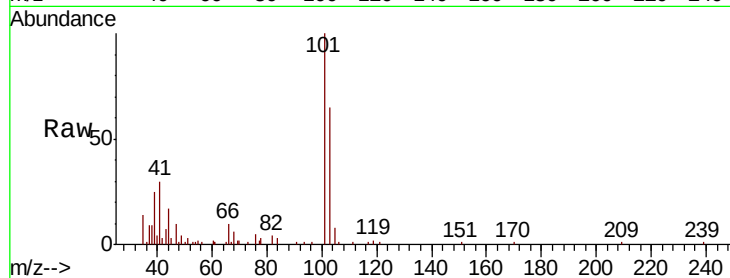
VF1119SBS01

Tot Ion:101 Resp: 78506

Ion Ratio Lower Upper

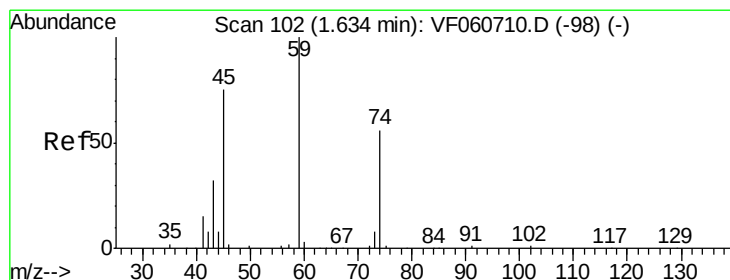
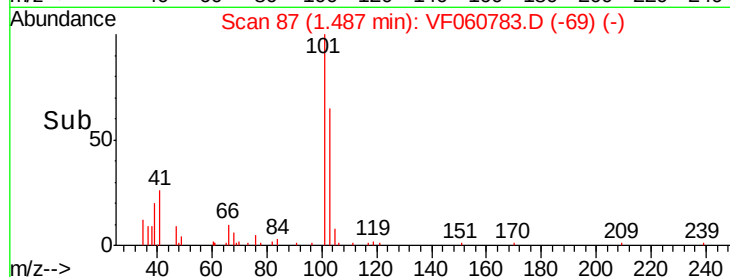
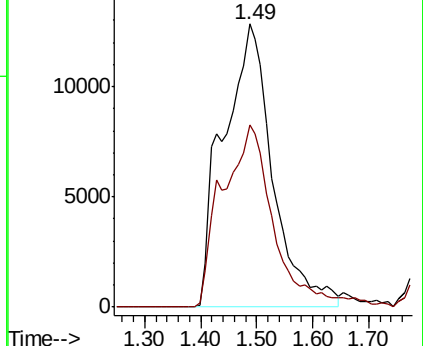
101 100

103 64.5 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: 21.294 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060783.D

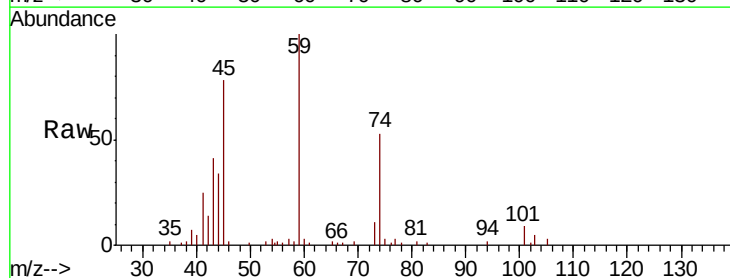
Acq: 19 Nov 2018 18:06

Tgt Ion: 74 Resp: 8795

Ion Ratio Lower Upper

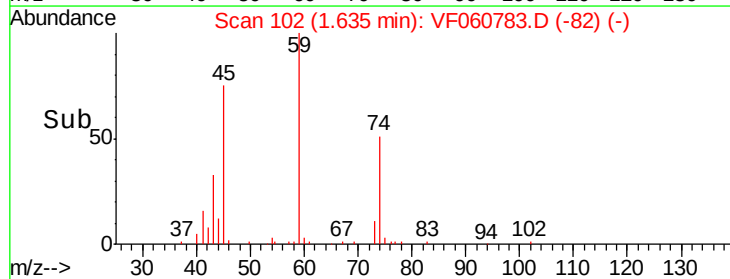
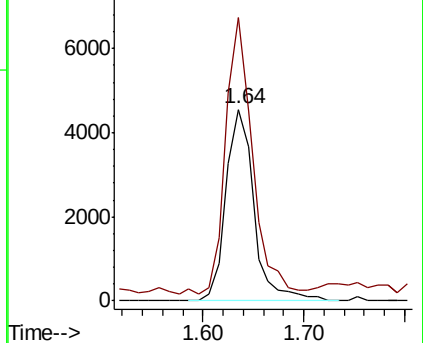
74 100

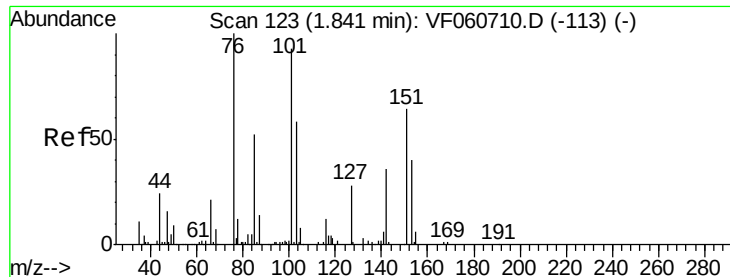
45 147.8 67.7 203.1



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: 25.993 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

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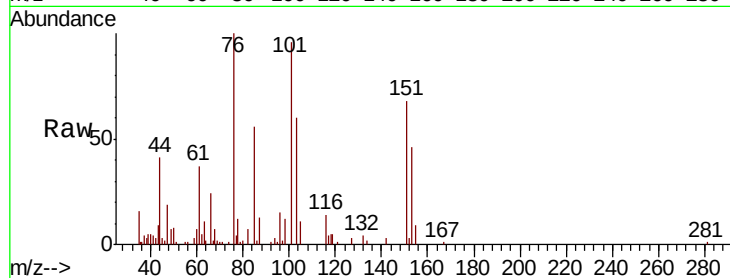
Tot Ion:101 Resp: 39486

Ion Ratio Lower Upper

101 100

85 58.2 43.6 65.4

151 70.8 53.1 79.7

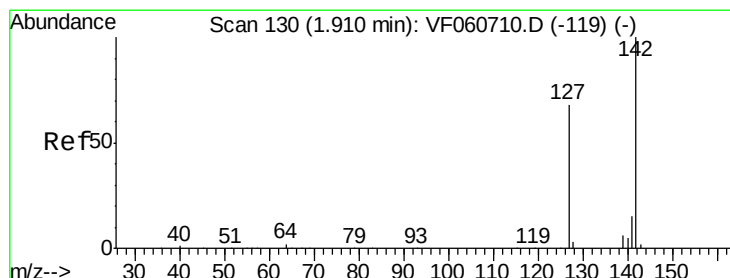
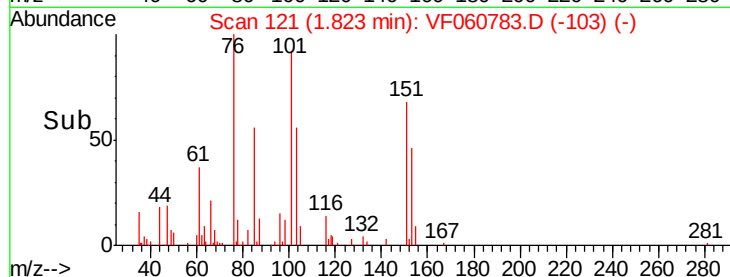
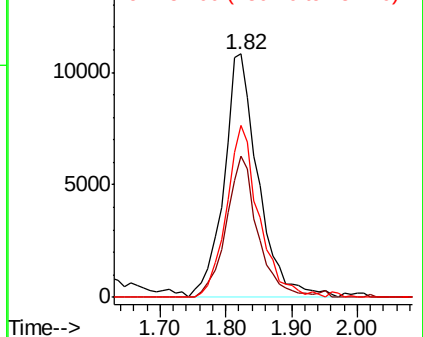


Abundance

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: 23.971 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

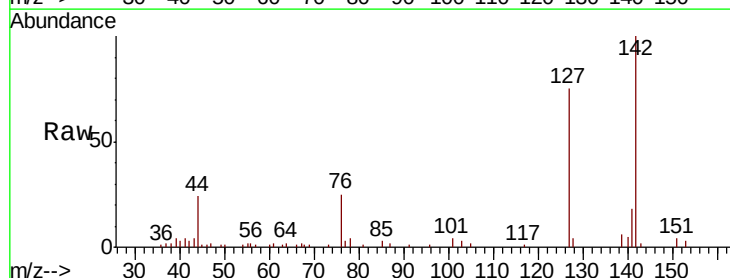
Tgt Ion:142 Resp: 58426

Ion Ratio Lower Upper

142 100

127 75.0 54.0 81.0

141 17.6 12.3 18.5

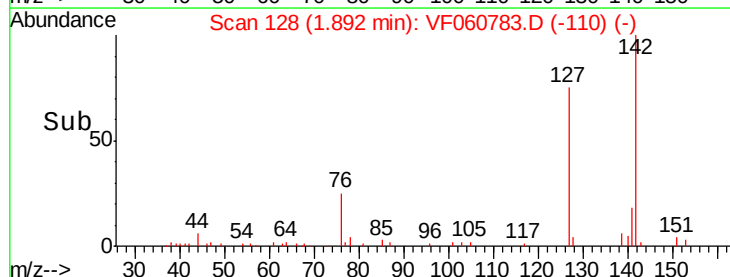
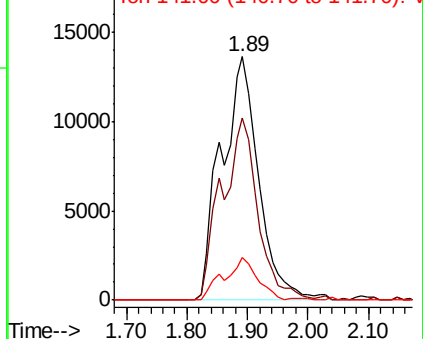


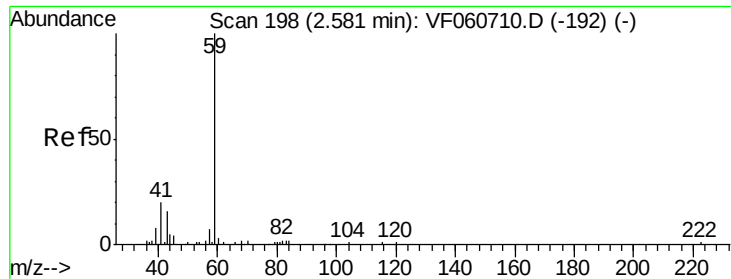
Abundance

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



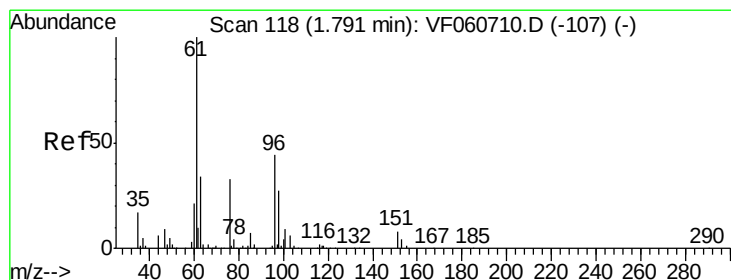
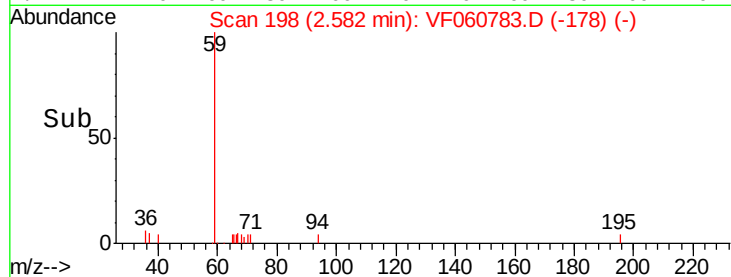
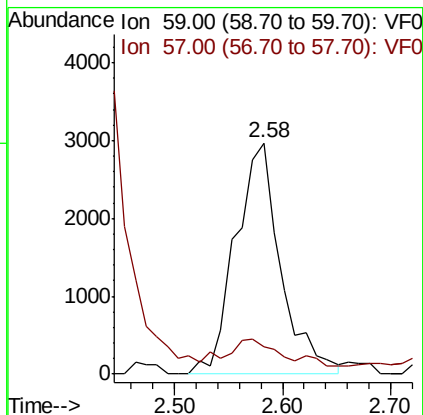
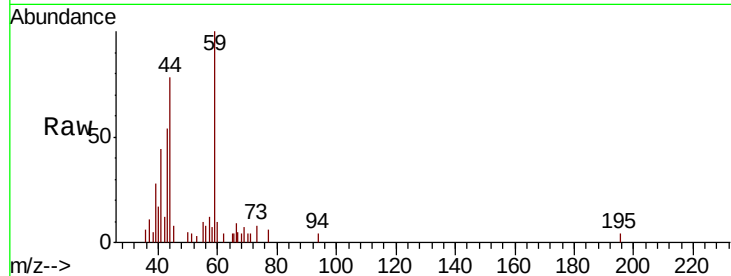


#11

Tert butyl alcohol
Concen: 113.729 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

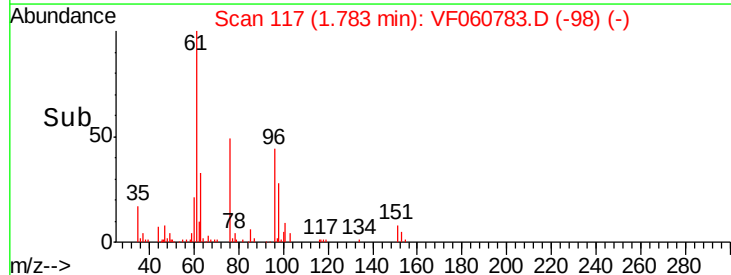
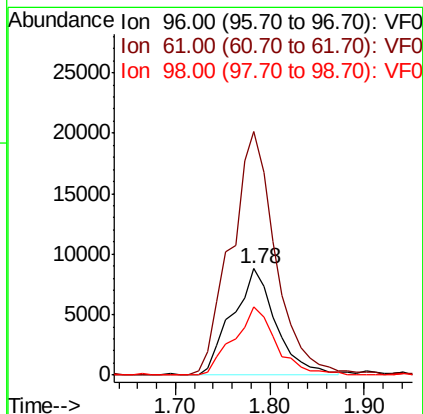
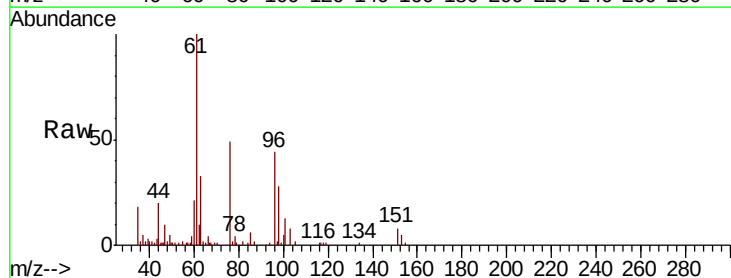
Tot Ion: 59 Resp: 8668
Ion Ratio Lower Upper
59 100
57 11.8 10.5 15.7

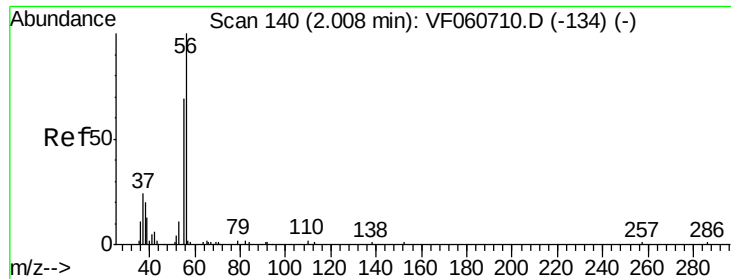


#12

1,1-Dichloroethene
Concen: 23.518 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 96 Resp: 28170
Ion Ratio Lower Upper
96 100
61 229.4 182.2 273.2
98 64.5 49.2 73.8





#13

Acrolein

Concen: 99.242 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

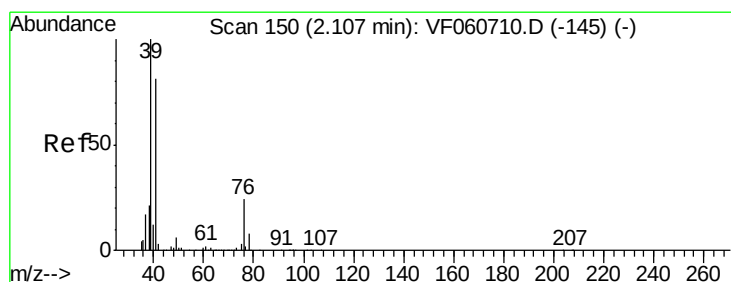
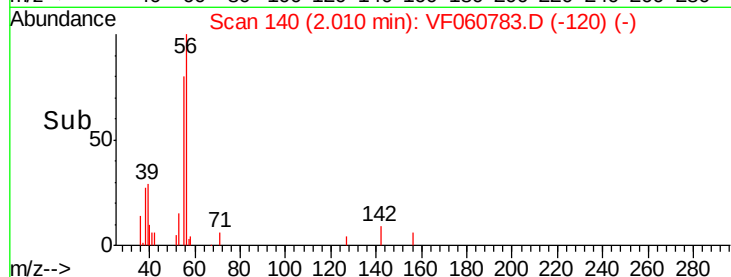
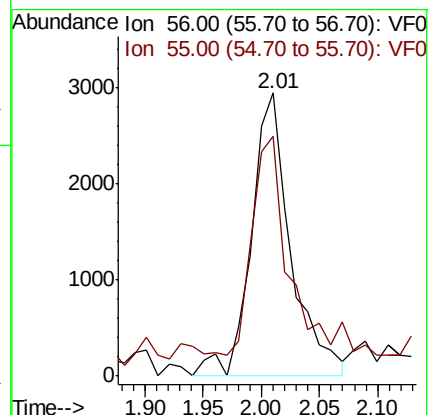
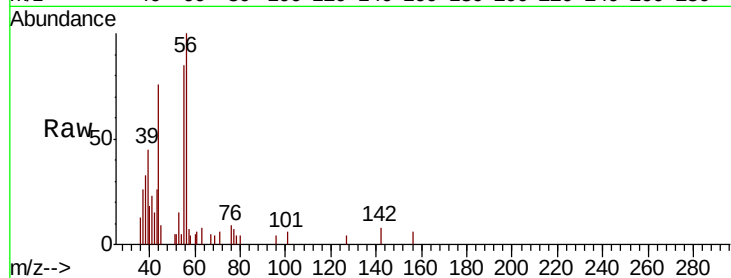
VF1119SBS01

Tot Ion: 56 Resp: 6916

Ion Ratio Lower Upper

56 100

55 84.7 56.6 85.0



#14

Allyl chloride

Concen: 22.730 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

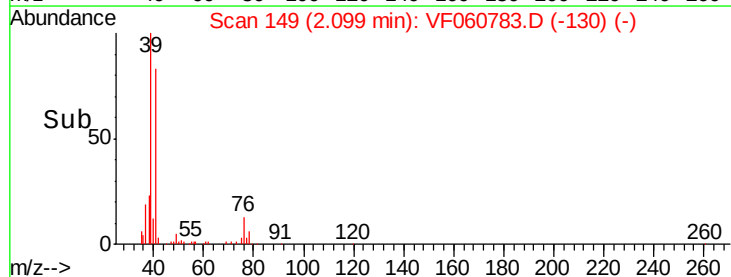
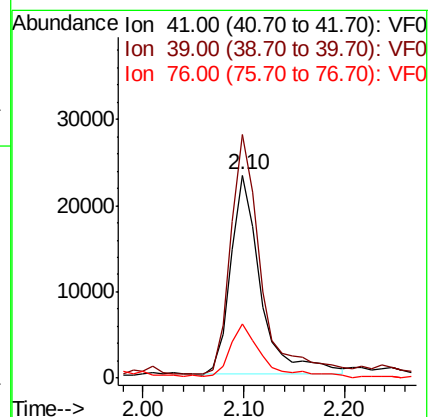
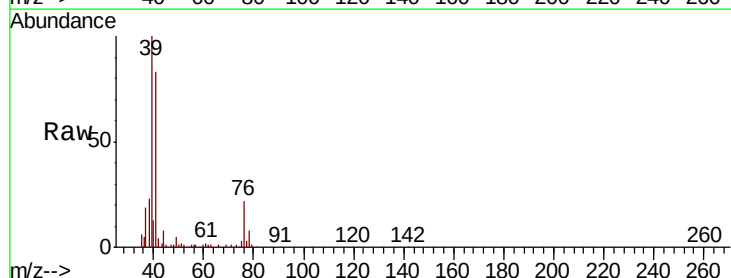
Tgt Ion: 41 Resp: 47697

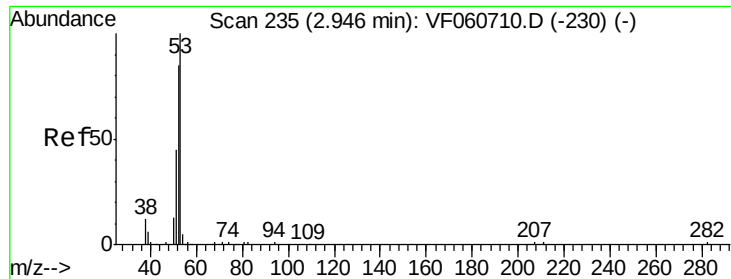
Ion Ratio Lower Upper

41 100

39 119.8 98.5 147.7

76 26.7 24.5 36.7





#15

Acrylonitrile

Concen: 115.858 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

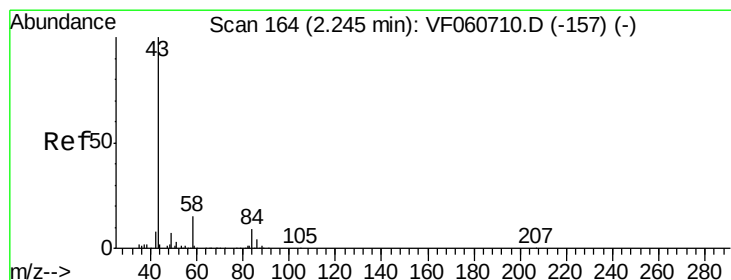
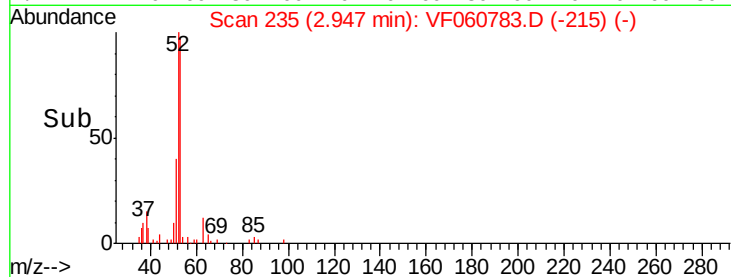
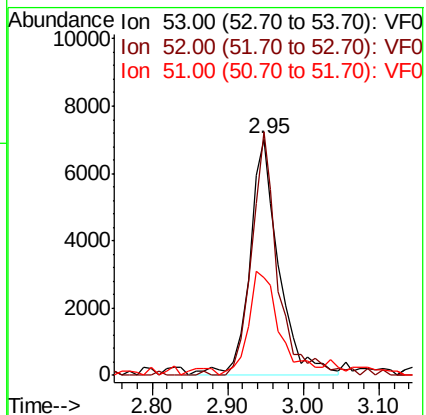
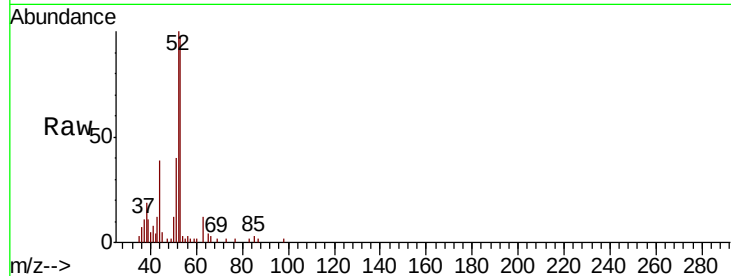
Tot Ion: 53 Resp: 18816

Ion Ratio Lower Upper

53 100

52 103.0 68.8 103.2

51 41.6 36.7 55.1



#16

Acetone

Concen: 113.200 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.00 min

Lab File: VF060783.D

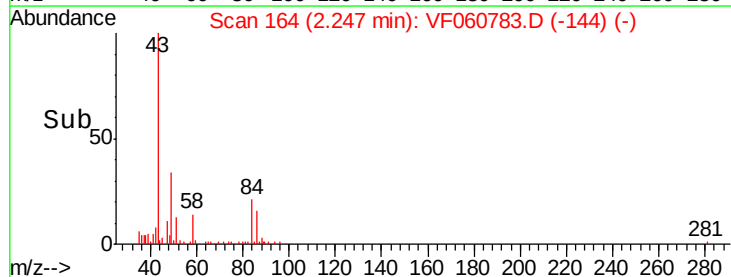
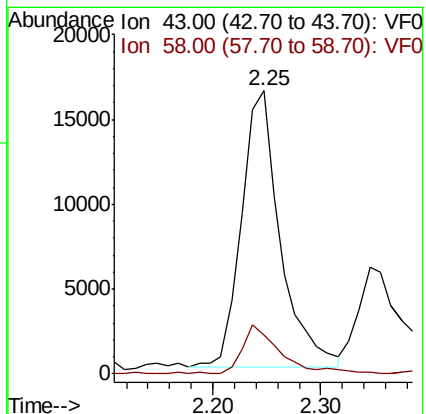
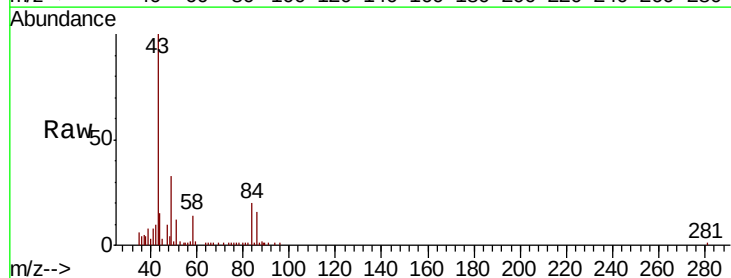
Acq: 19 Nov 2018 18:06

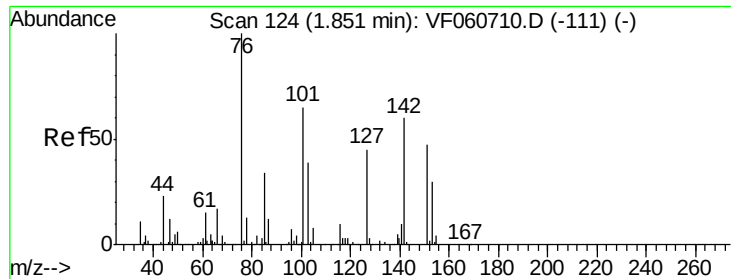
Tgt Ion: 43 Resp: 40520

Ion Ratio Lower Upper

43 100

58 13.9 11.6 17.4

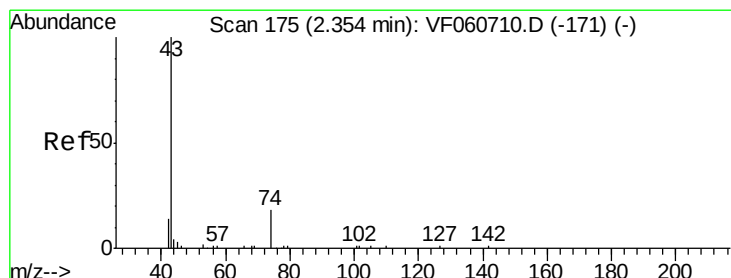
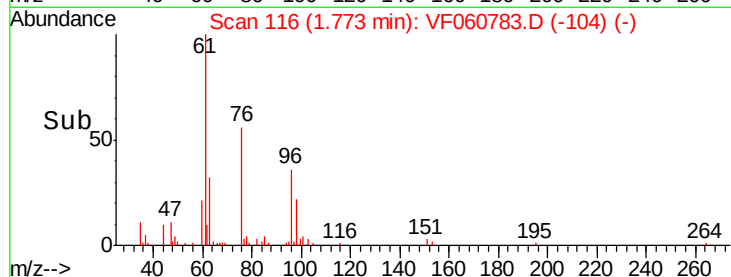
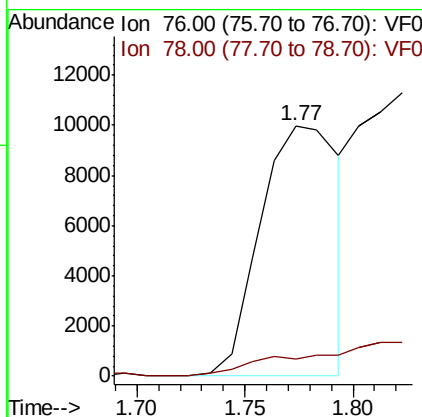
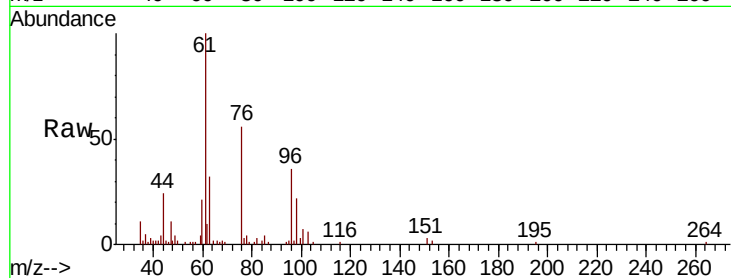




#17
Carbon Disulfide
Concen: 7.020 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.08 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

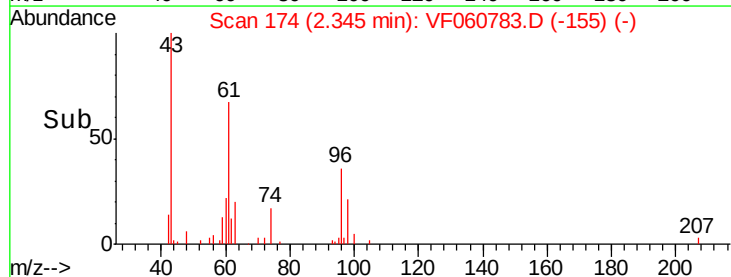
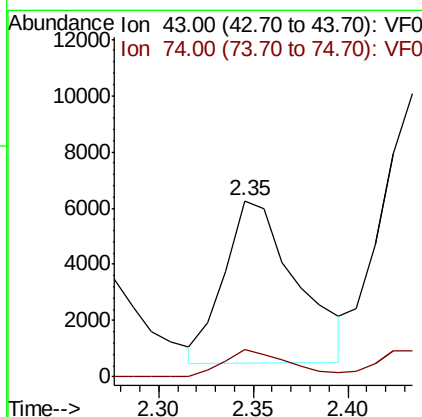
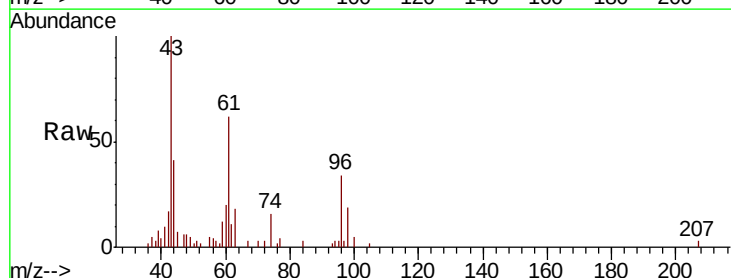
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBSD01

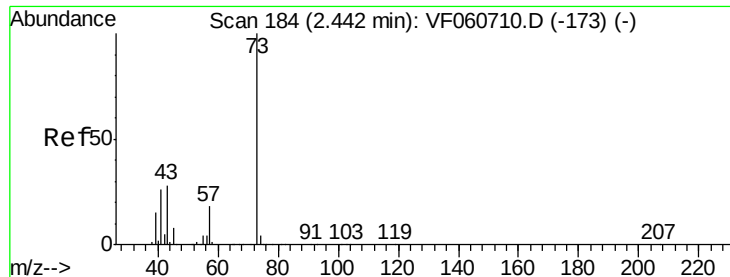
Tot Ion: 76 Resp: 25413
Ion Ratio Lower Upper
76 100
78 6.9 10.5 15.7#



#18
Methyl Acetate
Concen: 26.017 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 43 Resp: 15292
Ion Ratio Lower Upper
43 100
74 15.8 11.8 17.8

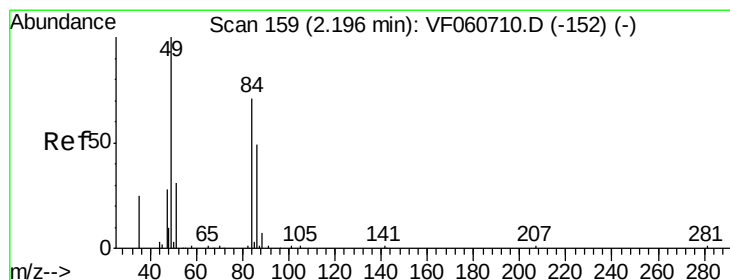
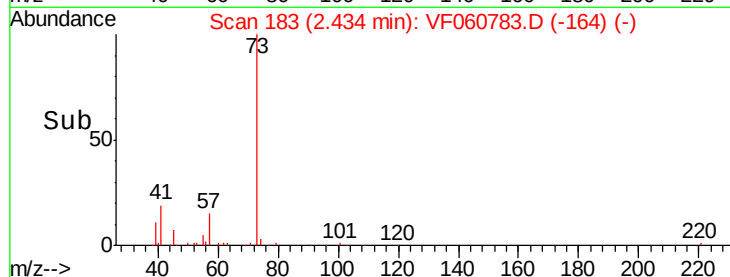
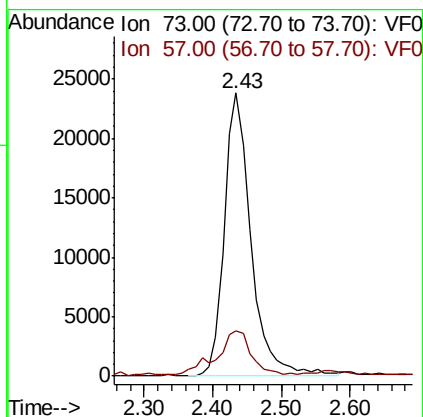
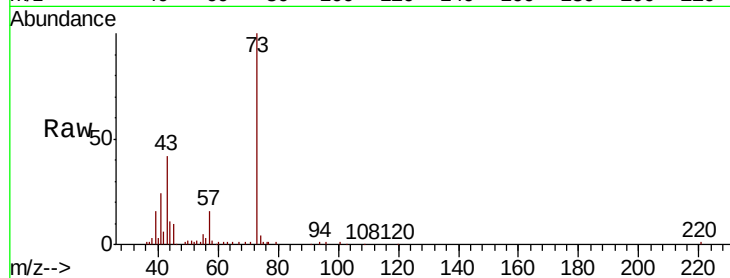




#19
Methyl tert-butyl Ether
Concen: 22.271 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

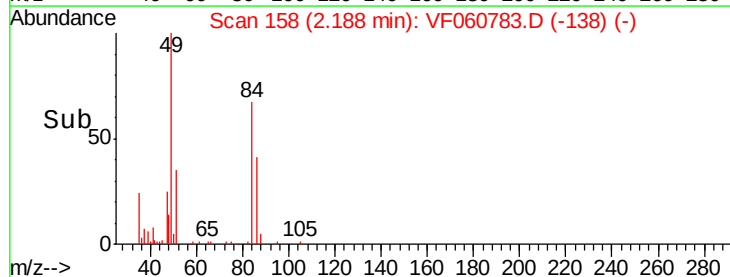
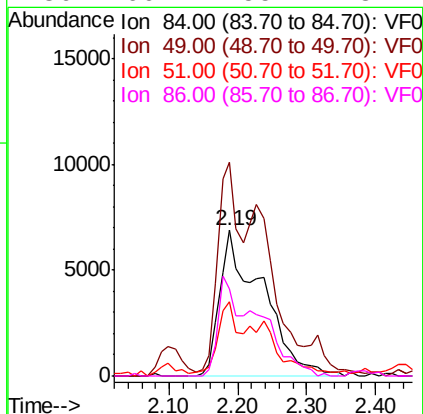
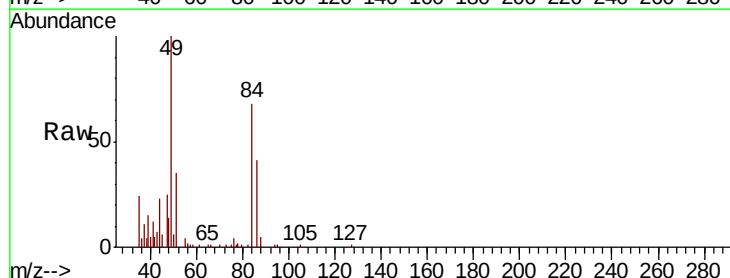
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

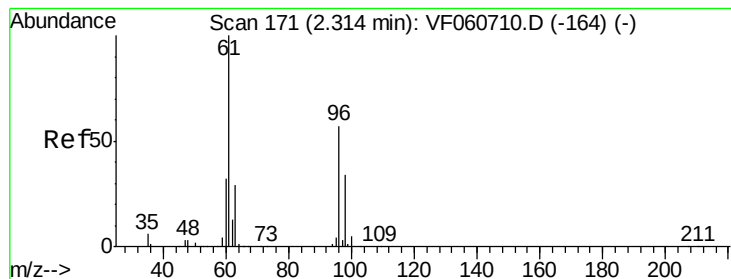
Tot Ion: 73 Resp: 63998
Ion Ratio Lower Upper
73 100
57 15.8 14.3 21.5



#20
Methylene Chloride
Concen: 23.363 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 84 Resp: 29607
Ion Ratio Lower Upper
84 100
49 147.0 120.2 180.4
51 51.0 37.2 55.8
86 60.2 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 23.770 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBSD01

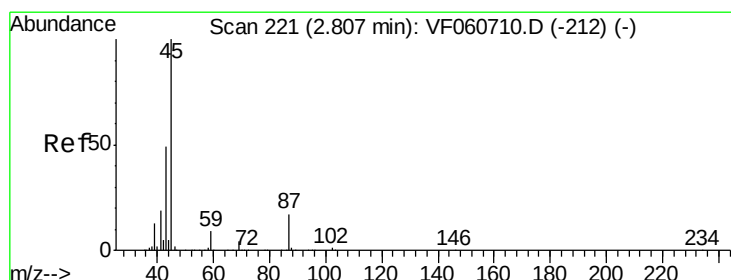
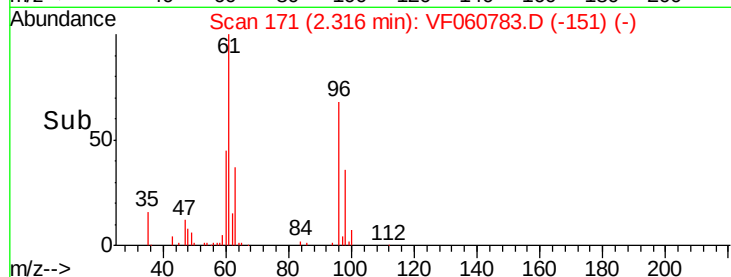
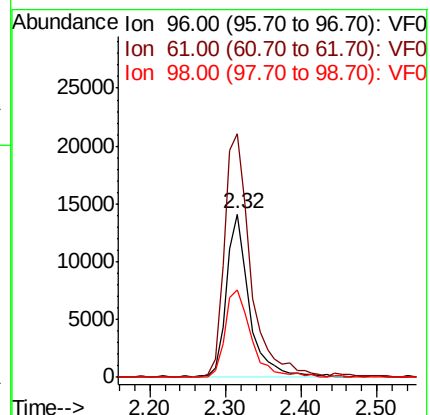
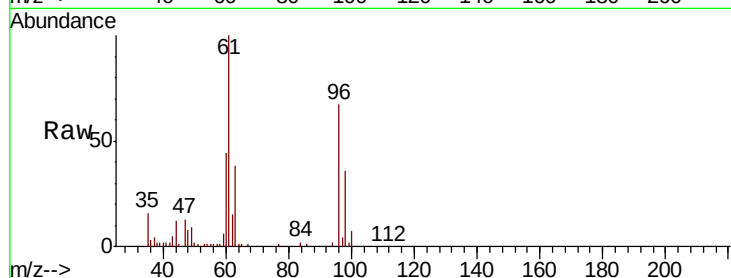
Tot Ion: 96 Resp: 29747

Ion Ratio Lower Upper

96 100

61 149.0 141.6 212.4

98 53.4 47.4 71.0



#22

Diisopropyl ether

Concen: 22.556 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion: 45 Resp: 91384

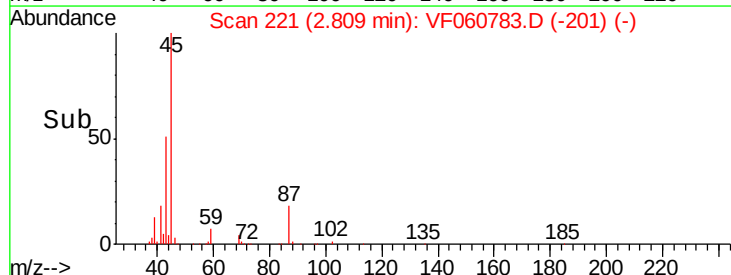
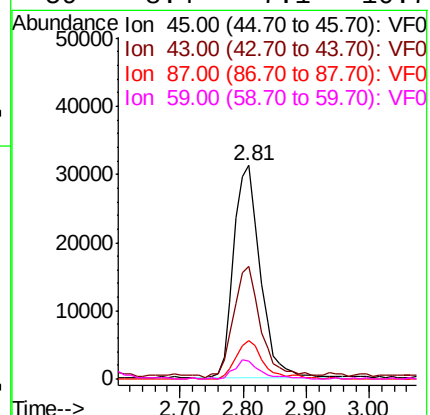
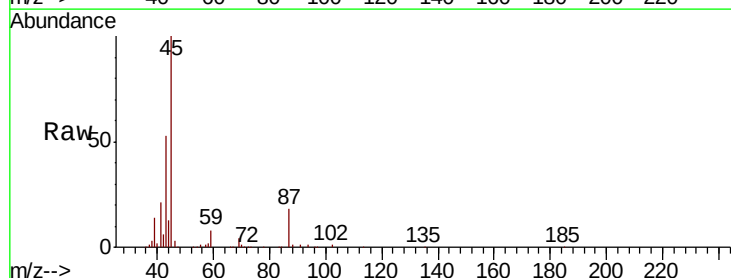
Ion Ratio Lower Upper

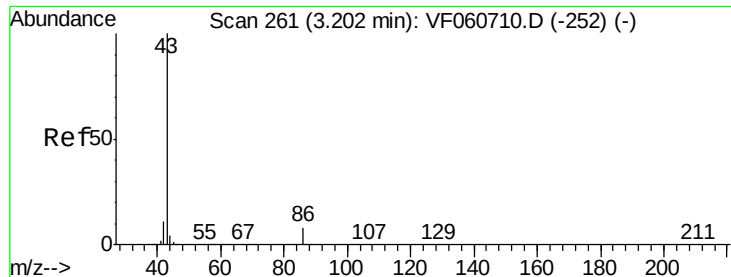
45 100

43 52.8 39.9 59.9

87 18.2 13.9 20.9

59 8.4 7.1 10.7





#23

Vinyl Acetate

Concen: 114.949 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

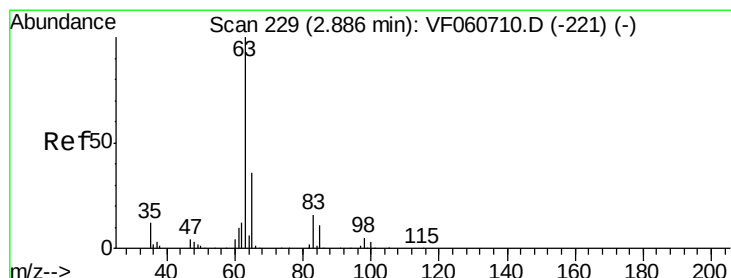
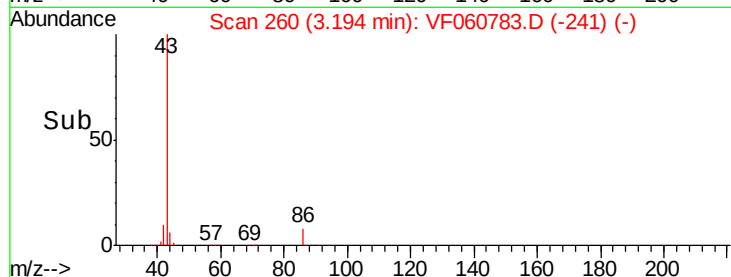
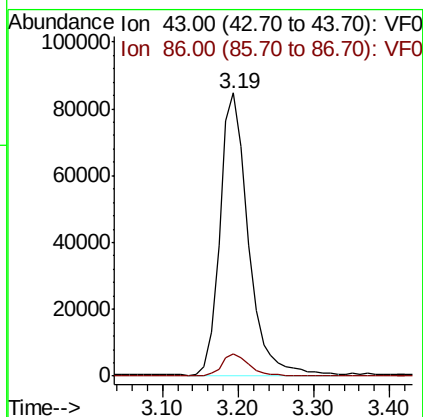
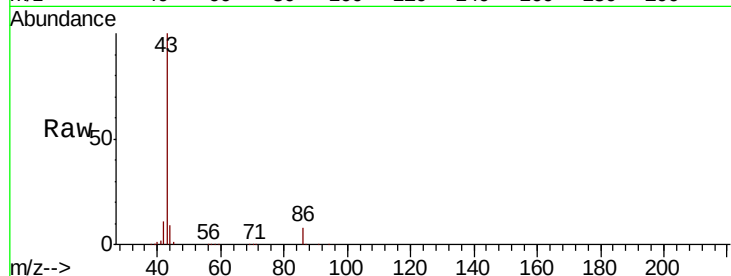
VF1119SBS01

Tot Ion: 43 Resp: 219296

Ion Ratio Lower Upper

43 100

86 7.8 6.4 9.6



#24

1,1-Dichloroethane

Concen: 24.551 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

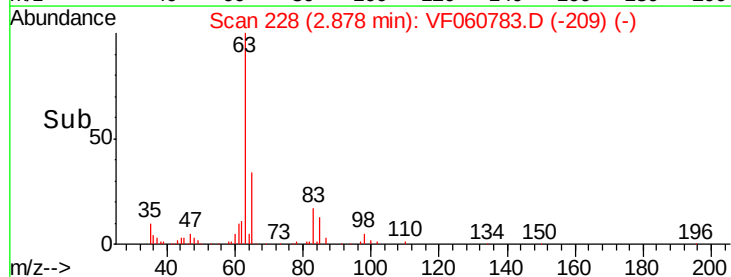
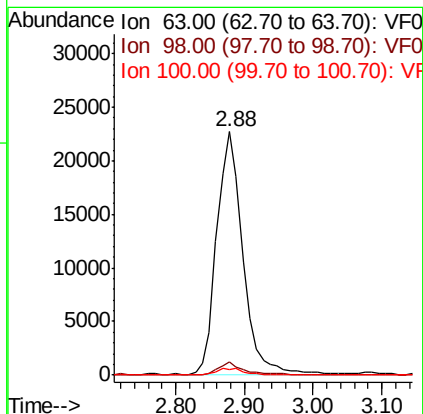
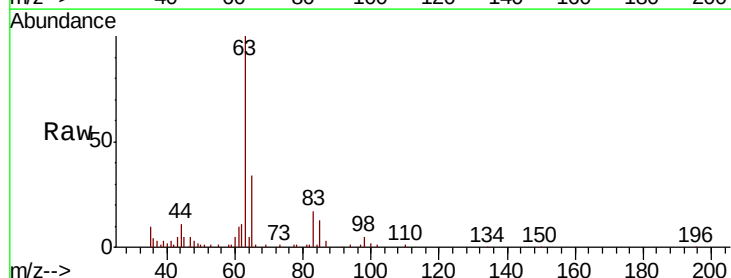
Tgt Ion: 63 Resp: 60218

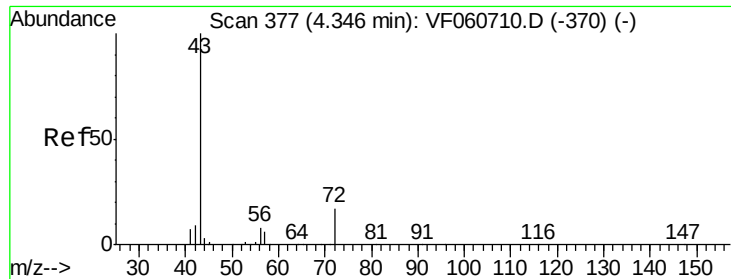
Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 2.4 1.4 4.2





#25

2-Butanone

Concen: 106.212 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

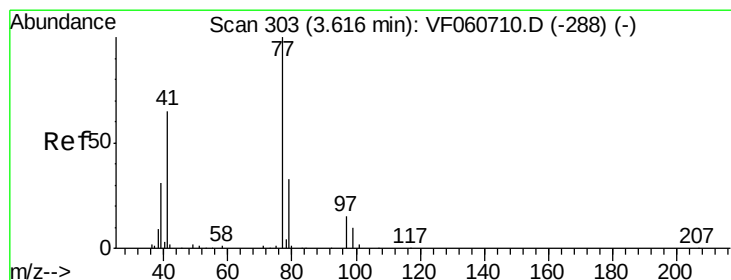
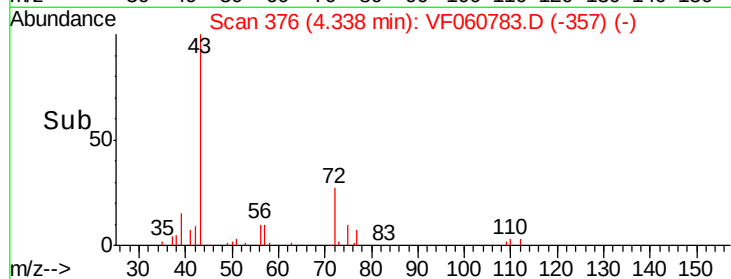
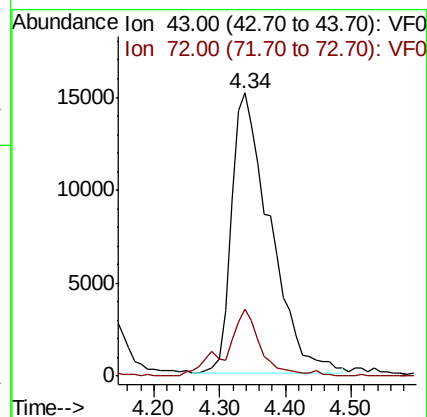
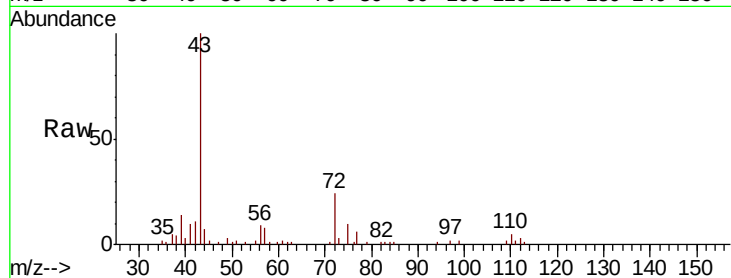
VF1119SBS01

Tot Ion: 43 Resp: 62534

Ion Ratio Lower Upper

43 100

72 23.8 16.1 24.1



#26

2,2-Dichloropropane

Concen: 24.329 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060783.D

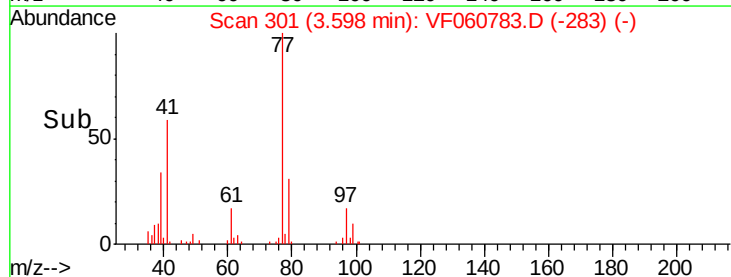
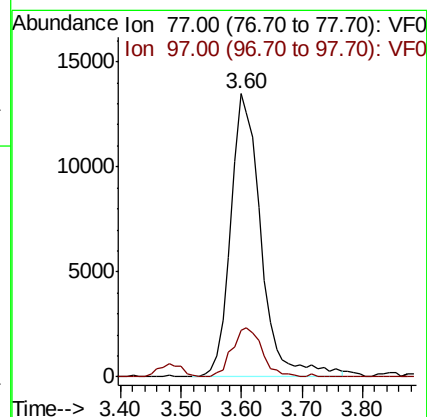
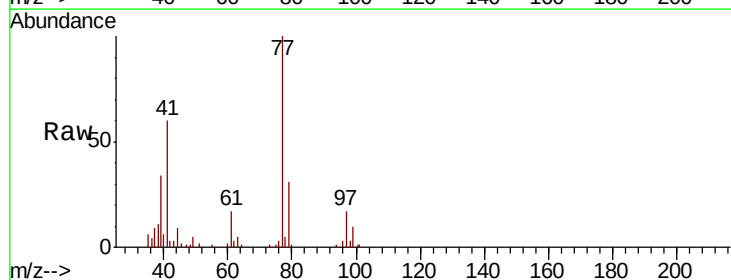
Acq: 19 Nov 2018 18:06

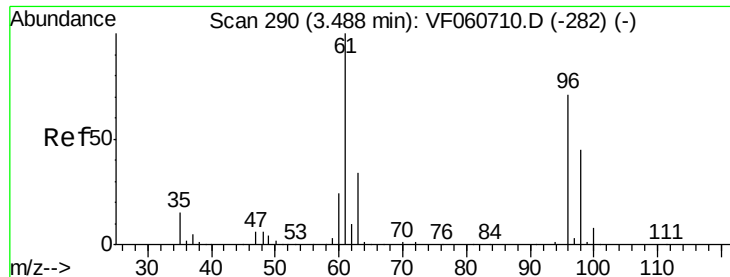
Tgt Ion: 77 Resp: 46959

Ion Ratio Lower Upper

77 100

97 16.6 8.8 26.5



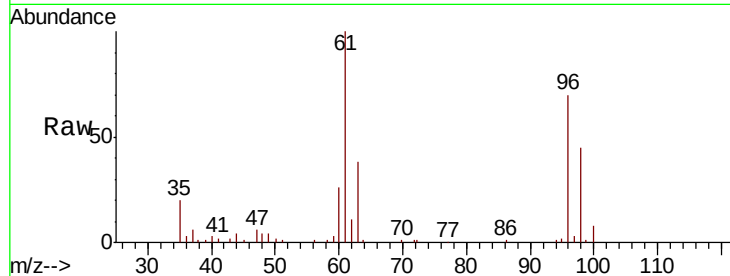


#27

cis-1,2-Dichloroethene
 Concen: 21.043 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

Tot Ion	96	Resp	44798
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	280.6
98	64.2	0.0	127.6

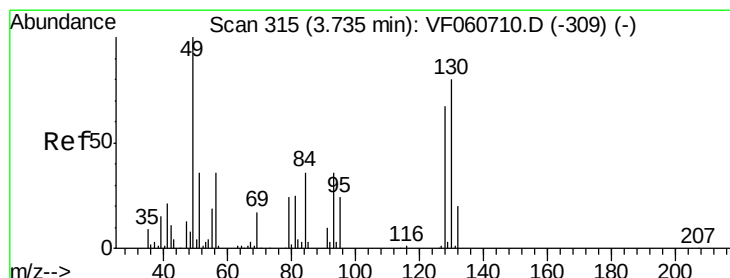
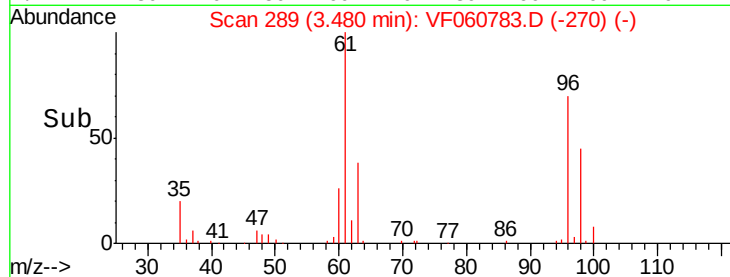
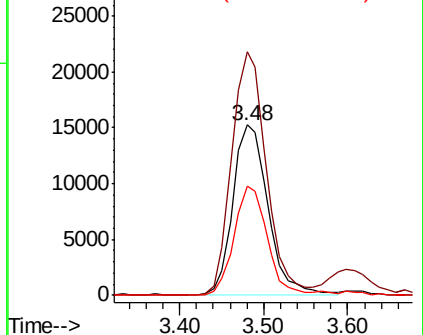


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

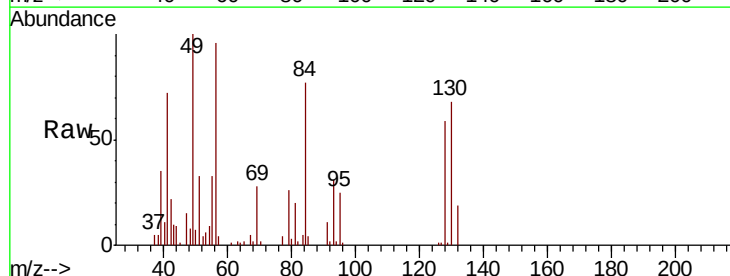
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
 Concen: 23.377 ug/l
 RT: 3.73 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	49	Resp	29799
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.2
130	67.6	63.9	95.9

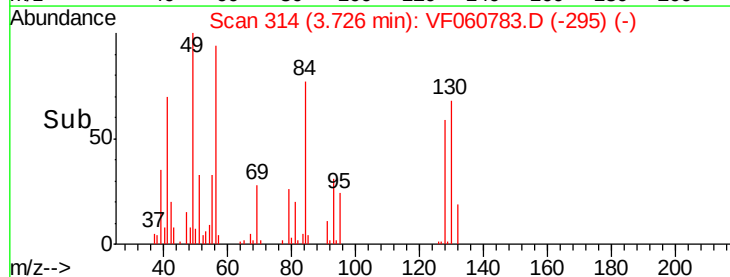
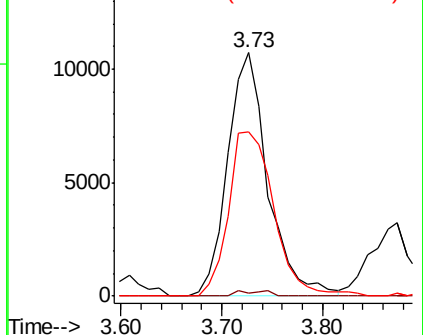


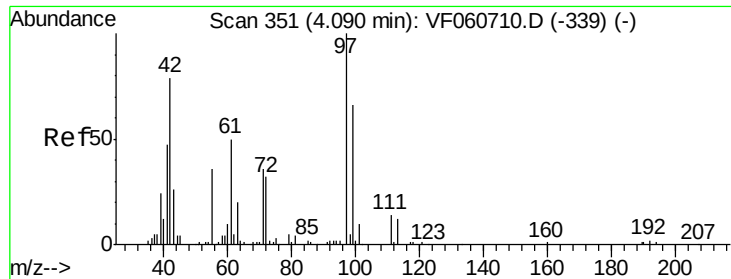
Abundance

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: 112.334 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

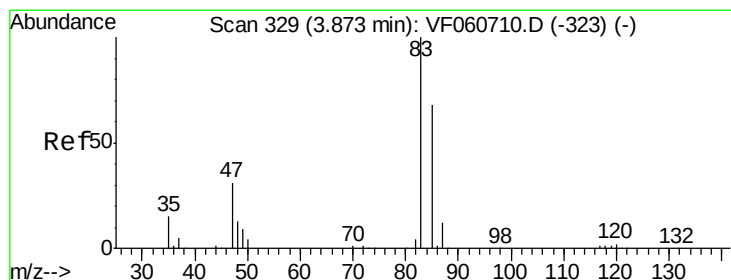
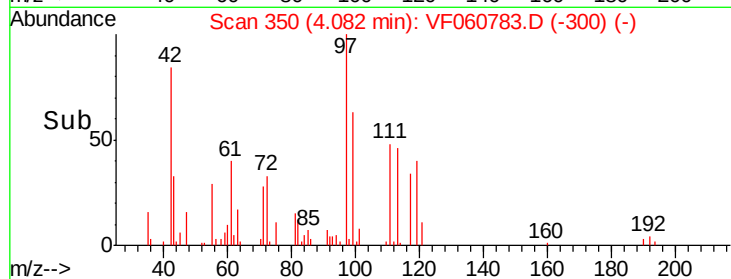
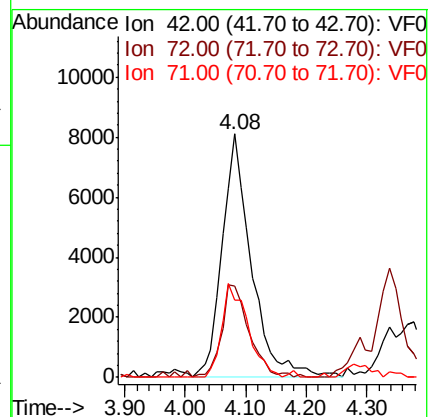
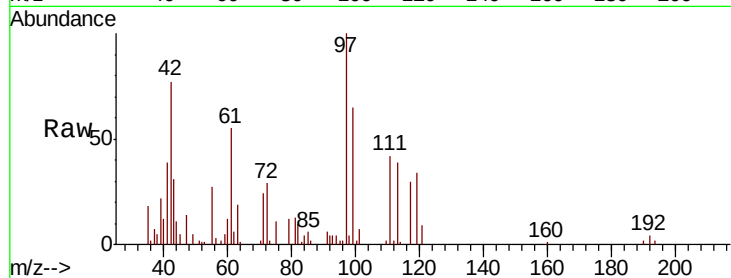
Tot Ion: 42 Resp: 27281

Ion Ratio Lower Upper

42 100

72 35.8 30.3 45.5

71 34.4 32.2 48.2



#30

Chloroform

Concen: 22.392 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060783.D

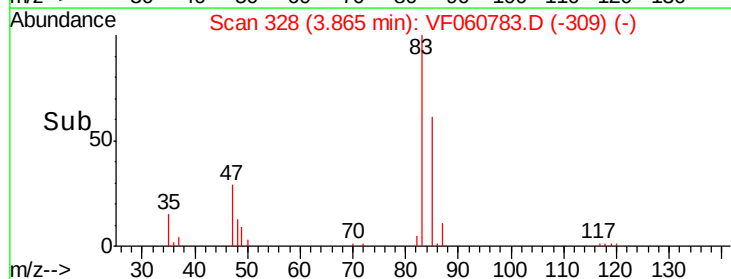
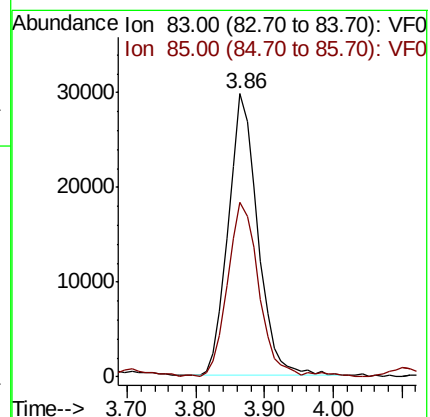
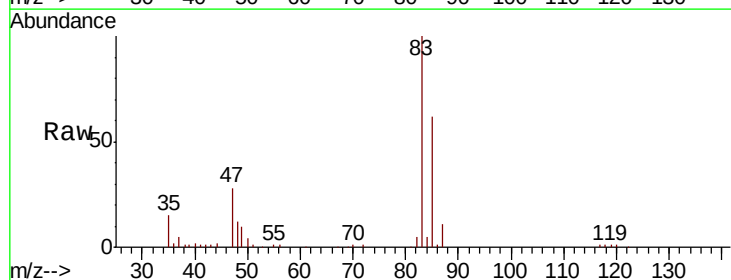
Acq: 19 Nov 2018 18:06

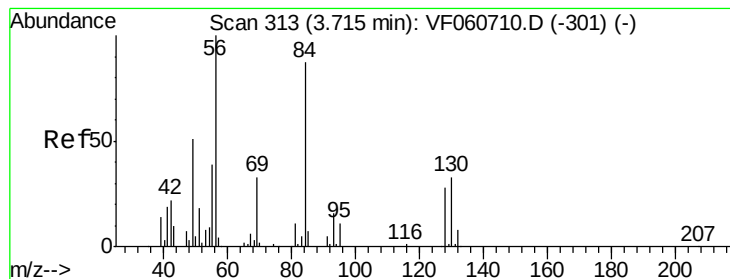
Tgt Ion: 83 Resp: 88119

Ion Ratio Lower Upper

83 100

85 61.6 54.6 82.0





#31

Cyclohexane

Concen: 20.712 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

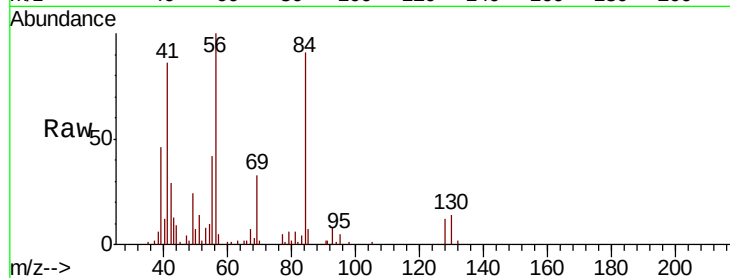
Tot Ion: 56 Resp: 61658

Ion Ratio Lower Upper

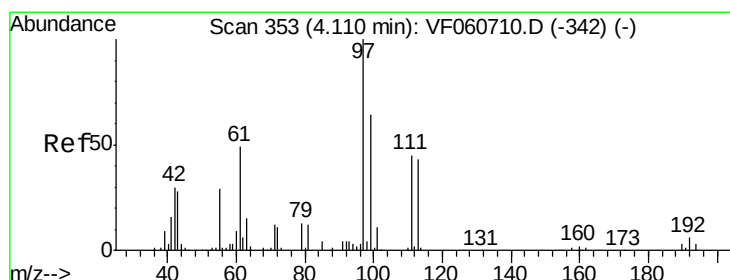
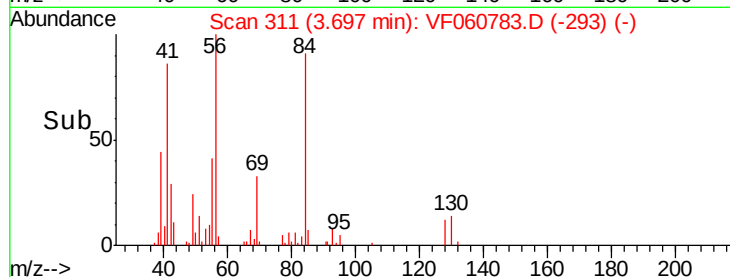
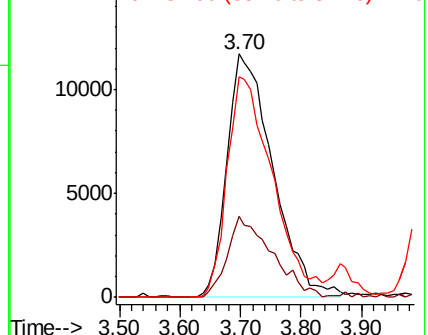
56 100

69 33.5 26.0 39.0

84 90.8 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.717 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

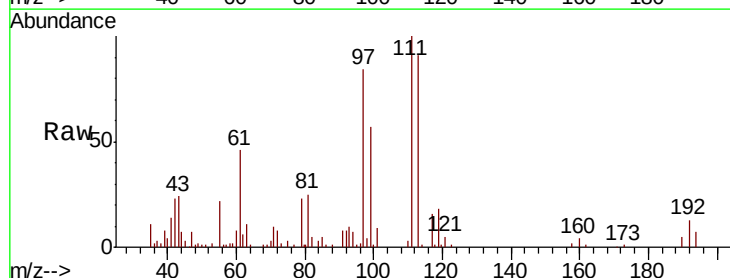
Tgt Ion: 97 Resp: 73500

Ion Ratio Lower Upper

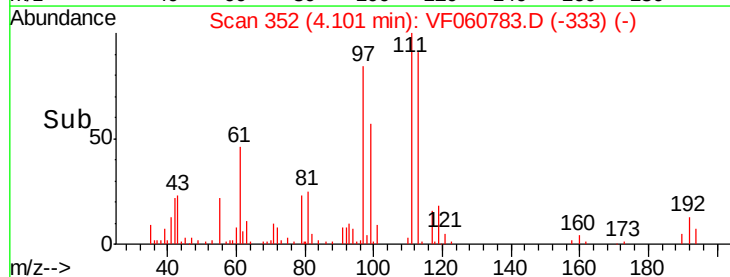
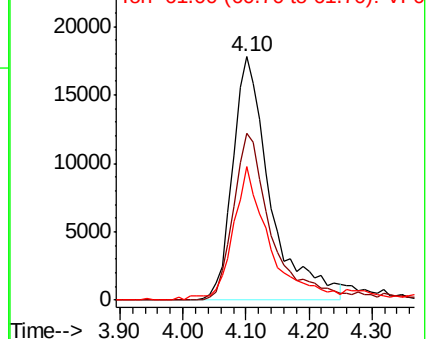
97 100

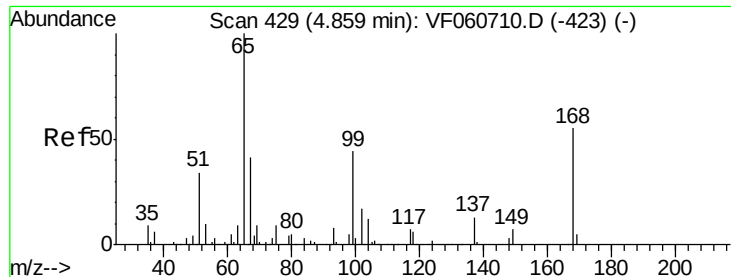
99 68.6 51.1 76.7

61 54.9 40.1 60.1



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

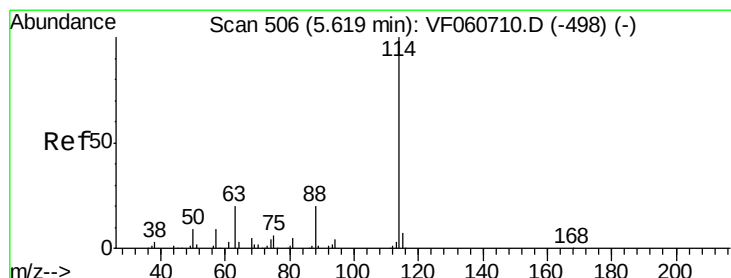
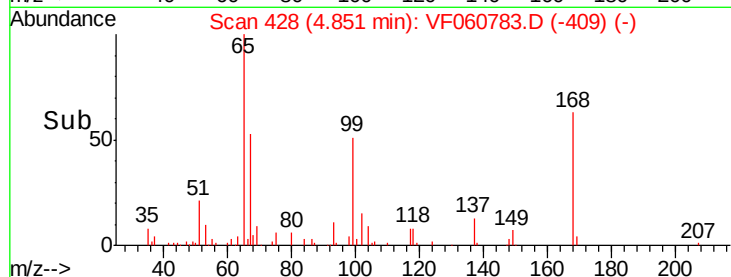
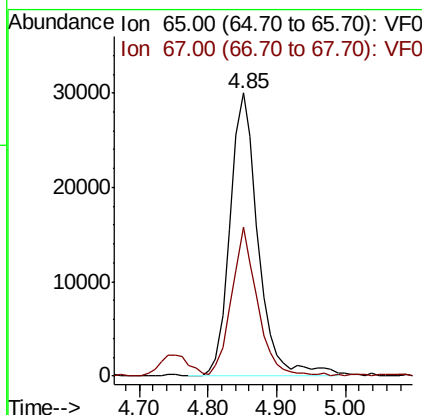
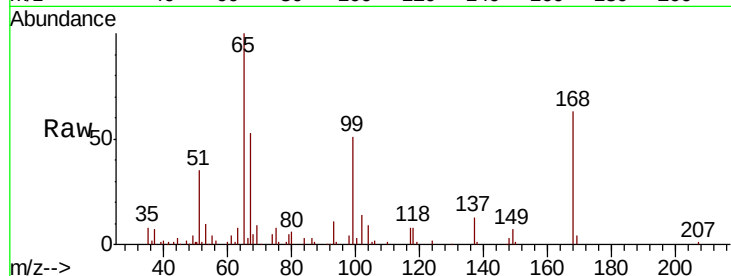




#33
 1,2-Dichloroethane-d4
 Concen: 50.847 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

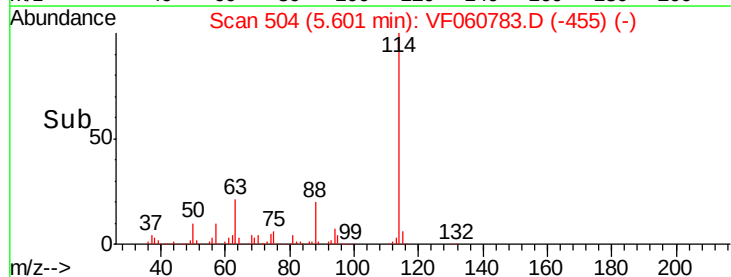
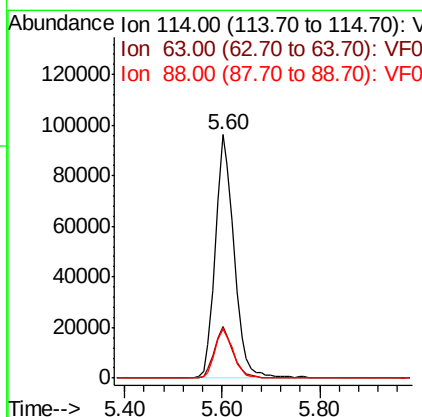
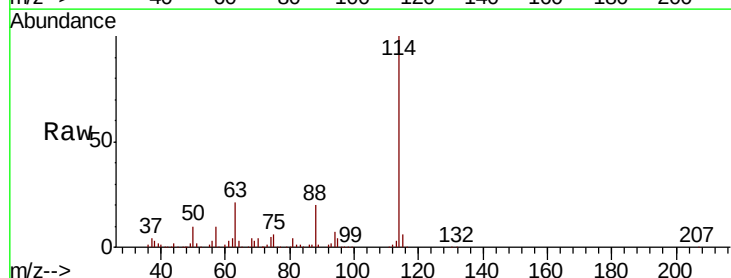
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

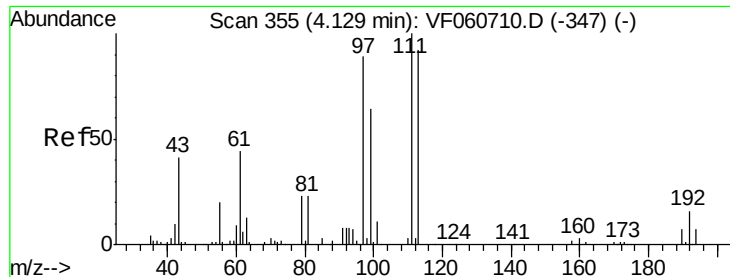
Tot Ion: 65 Resp: 85153
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion: 114 Resp: 259811
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 20.1 0.0 39.6





#35

Dibromofluoromethane

Concen: 49.238 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

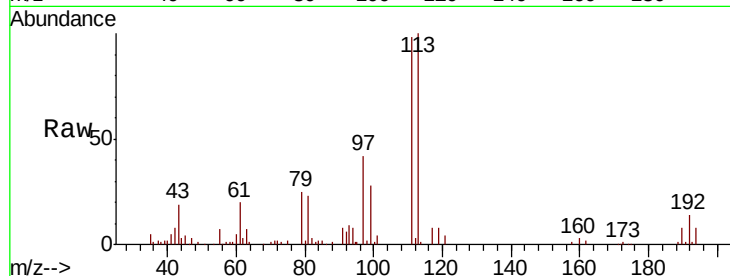
Tot Ion:113 Resp: 96160

Ion Ratio Lower Upper

113 100

111 97.9 87.1 130.7

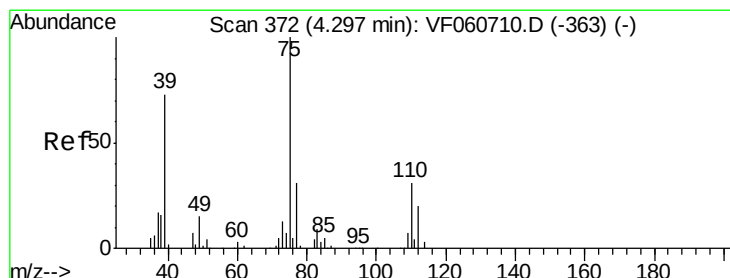
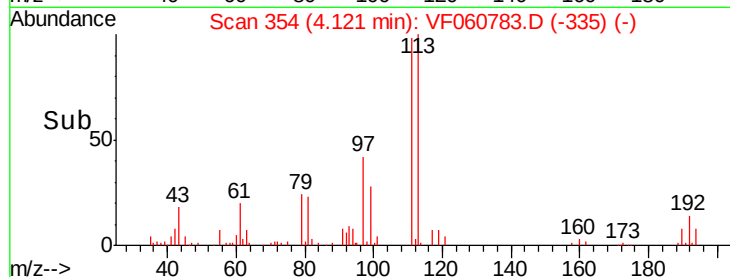
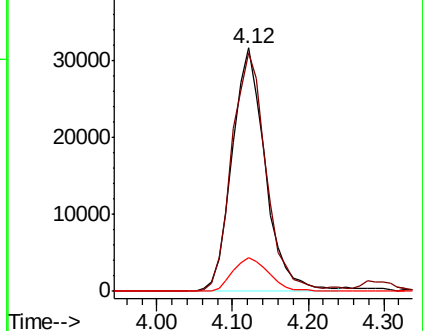
192 14.0 13.8 20.6



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: 21.787 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

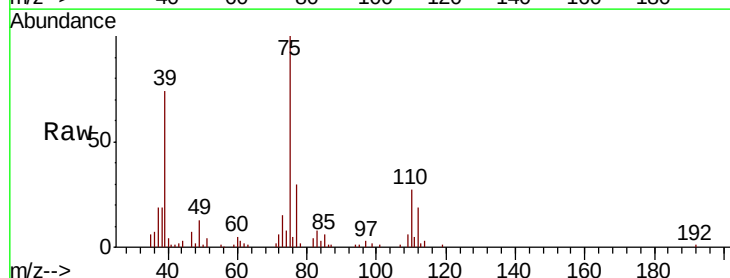
Tgt Ion: 75 Resp: 65649

Ion Ratio Lower Upper

75 100

110 27.1 15.6 46.8

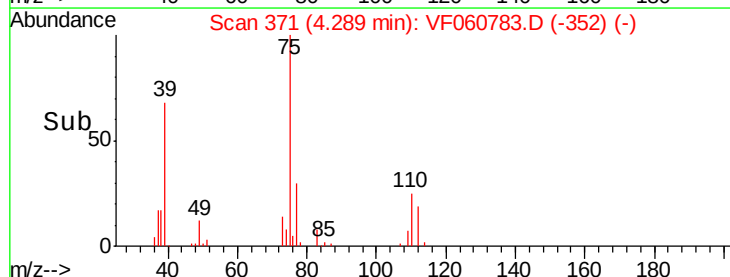
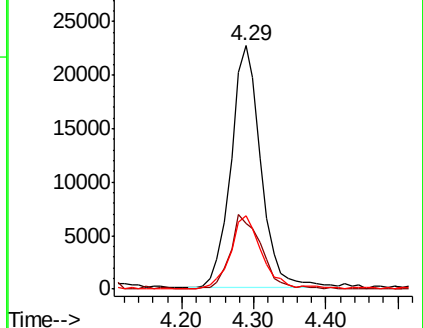
77 29.9 25.0 37.6

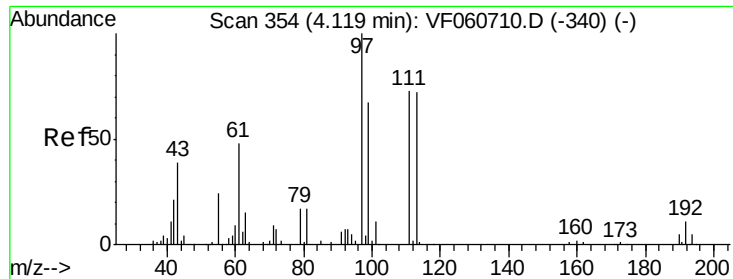


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

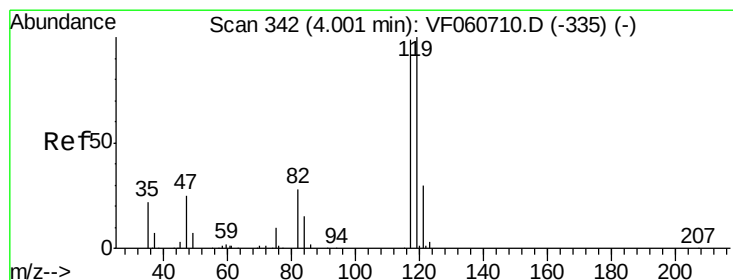
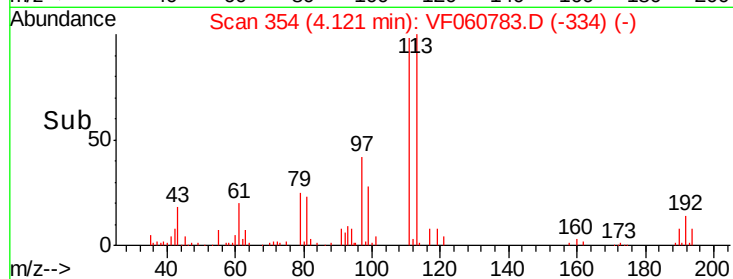
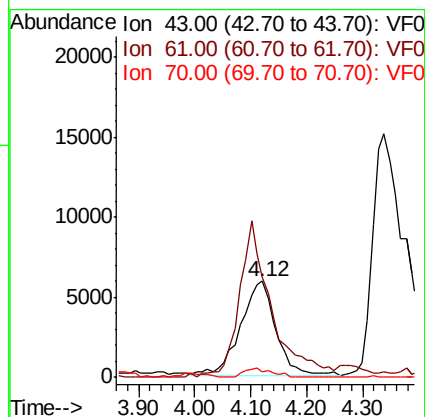
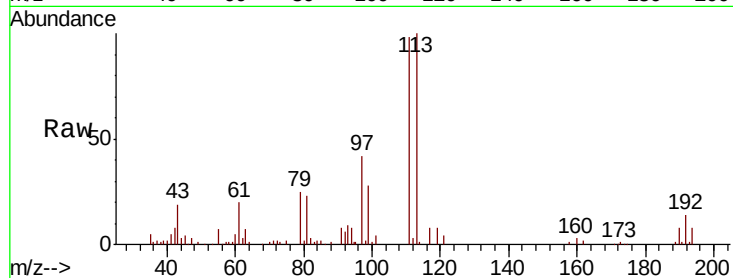




#37
Ethyl Acetate
Concen: 22.834 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

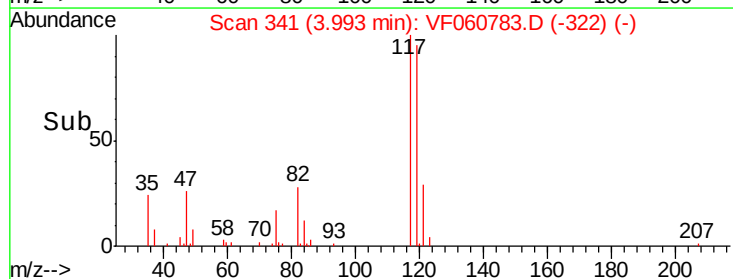
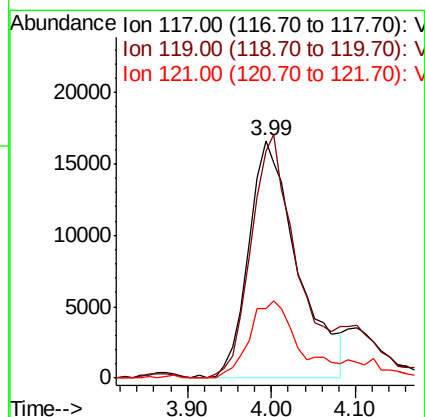
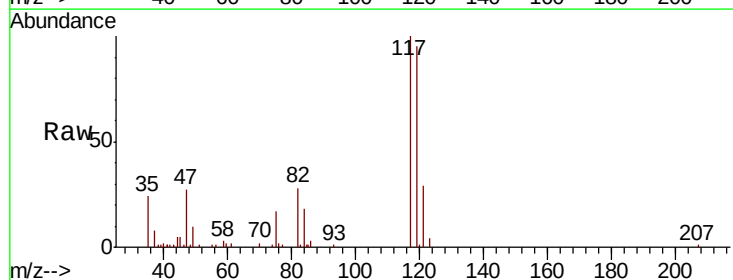
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

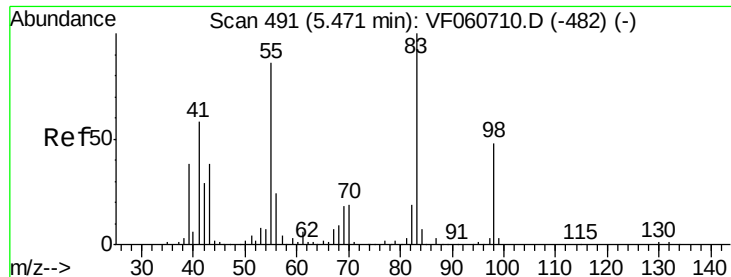
Tot Ion: 43 Resp: 25580
Ion Ratio Lower Upper
43 100
61 104.6 98.5 147.7
70 5.8 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 23.166 ug/l
RT: 3.99 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 117 Resp: 67732
Ion Ratio Lower Upper
117 100
119 95.4 80.7 121.1
121 29.0 24.3 36.5

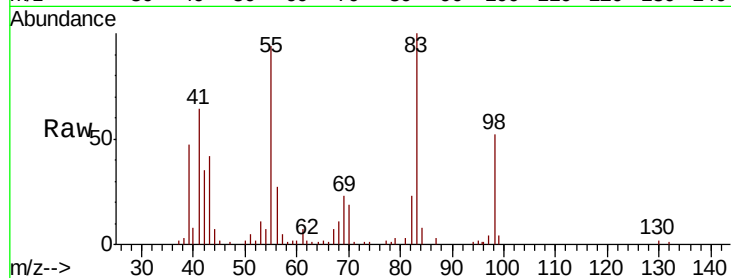




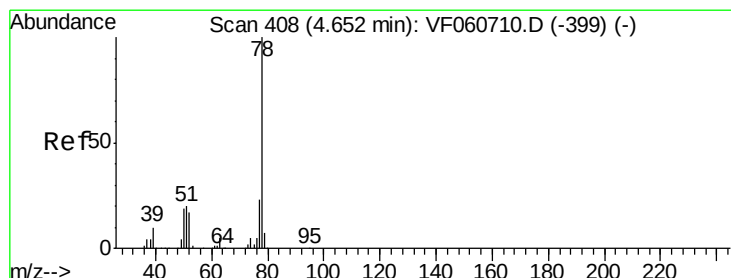
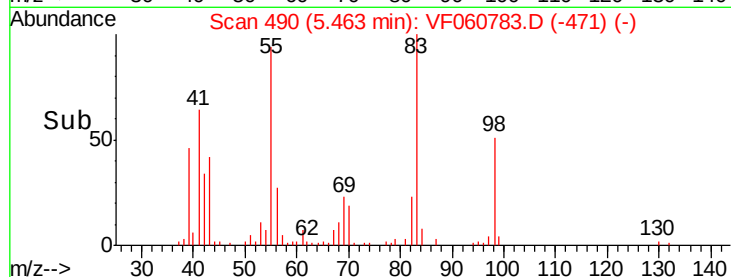
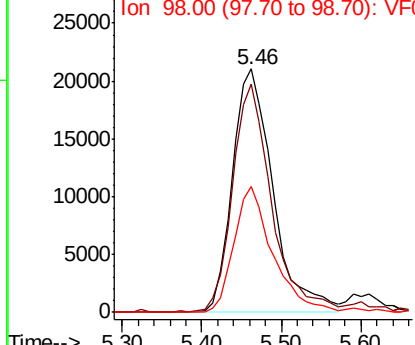
#39
Methylvlcyclohexane
Concen: 21.323 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

Tot Ion: 83 Resp: 74541
Ion Ratio Lower Upper
83 100
55 93.9 69.0 103.4
98 51.7 38.5 57.7

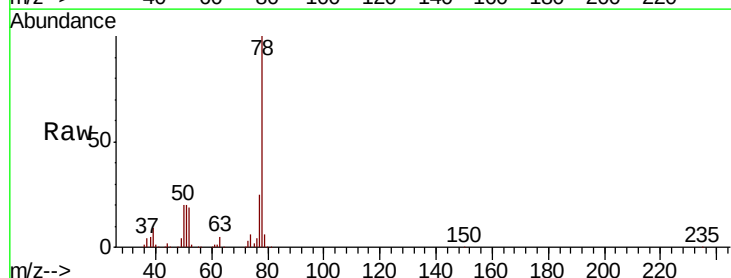


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

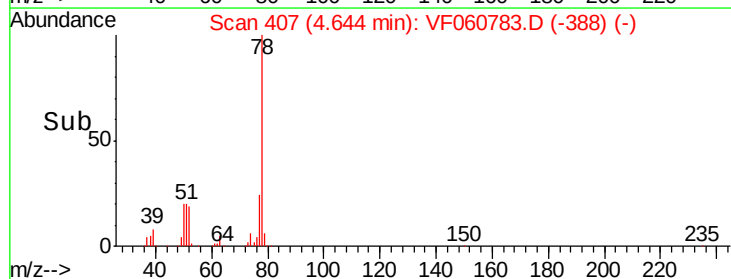
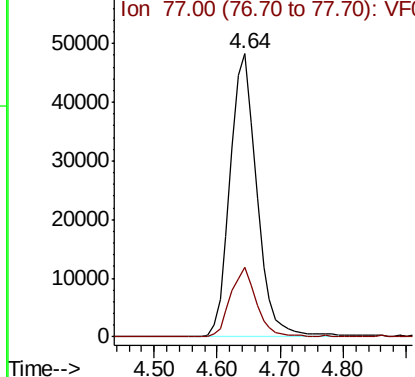


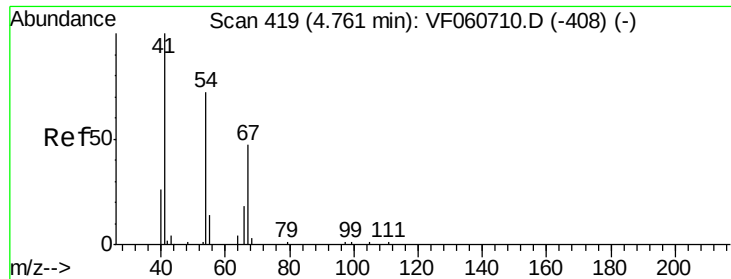
#40
Benzene
Concen: 21.193 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 78 Resp: 142352
Ion Ratio Lower Upper
78 100
77 24.7 18.6 28.0



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

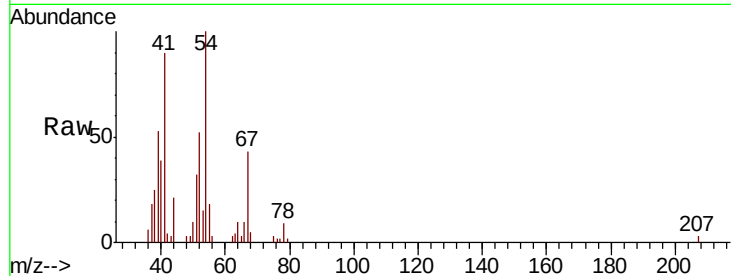




#41
Methacrylonitrile
Concen: 21.578 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.02 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBSD01

Tot Ion:	41	Resp:	14358
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.1	70.7
67	47.5	37.1	55.7
52	57.4	39.3	58.9



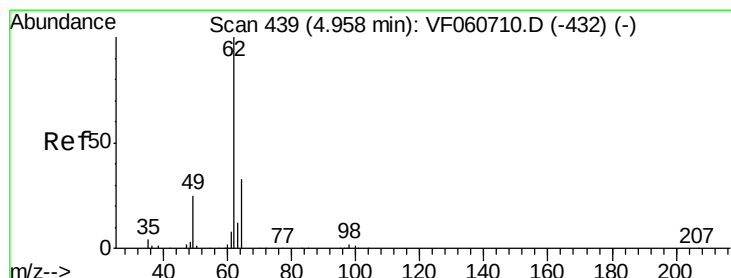
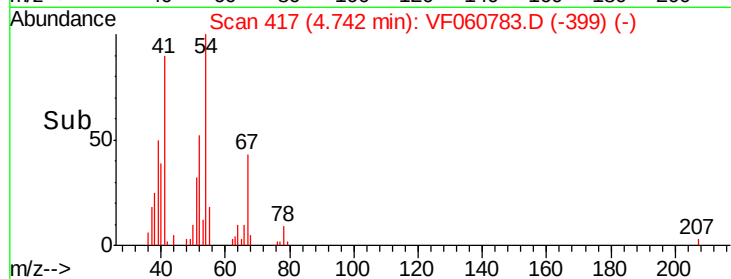
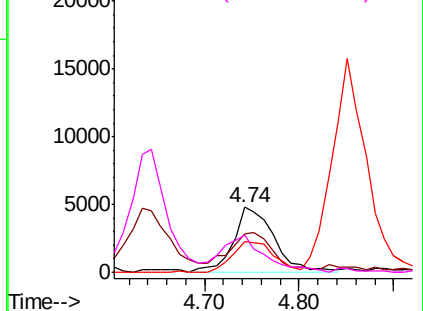
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

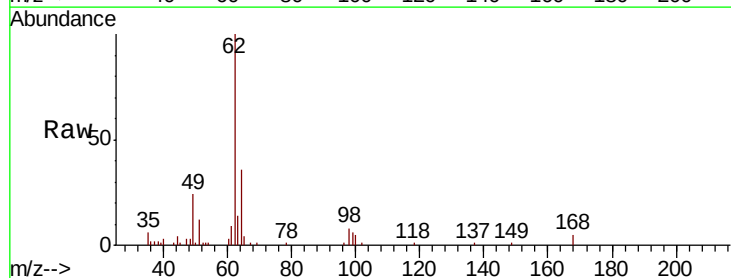
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 22.373 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

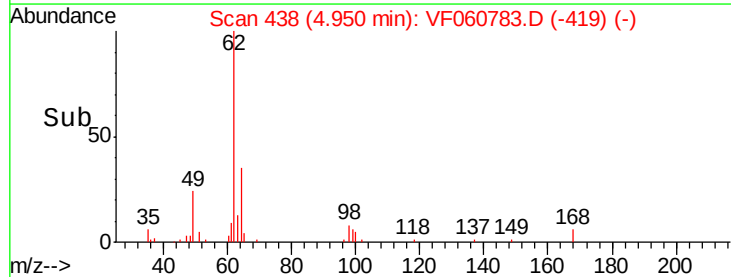
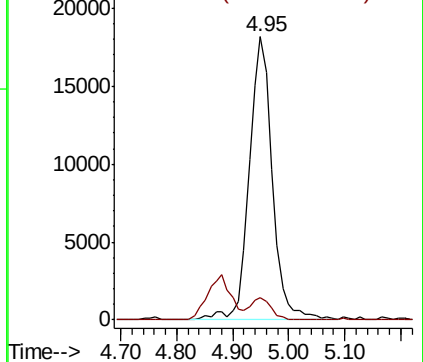
Tgt Ion:	62	Resp:	51930
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6

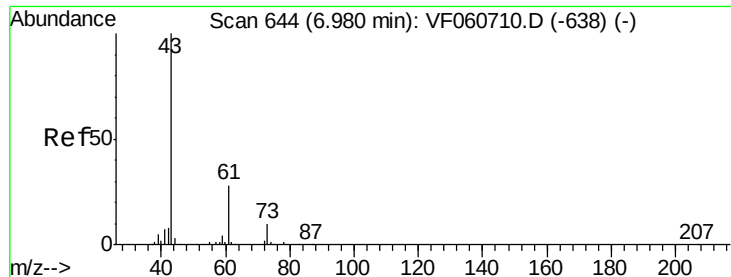


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.688 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

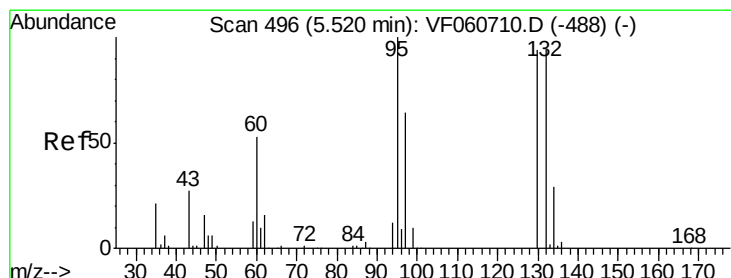
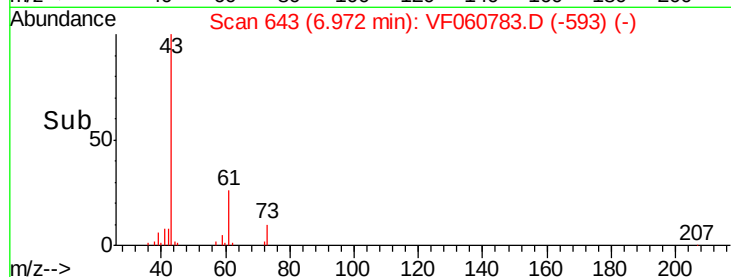
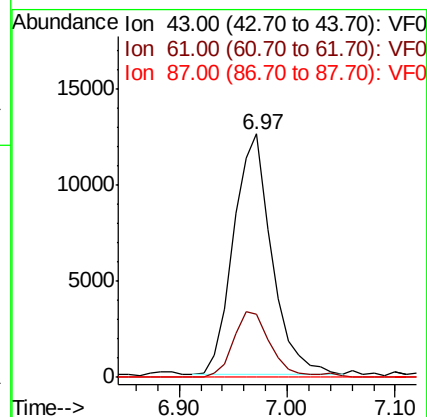
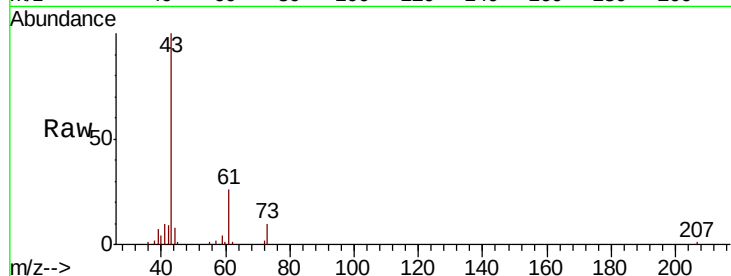
Tot Ion: 43 Resp: 30727

Ion Ratio Lower Upper

43 100

61 25.9 22.2 33.4

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 21.512 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF060783.D

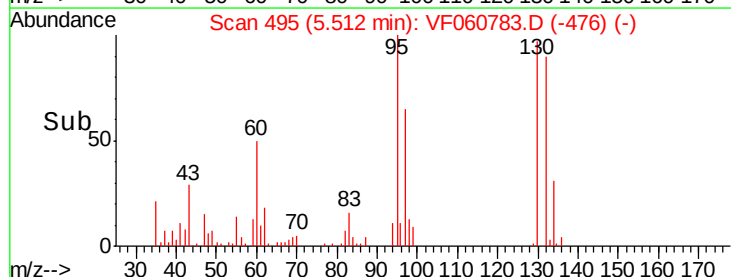
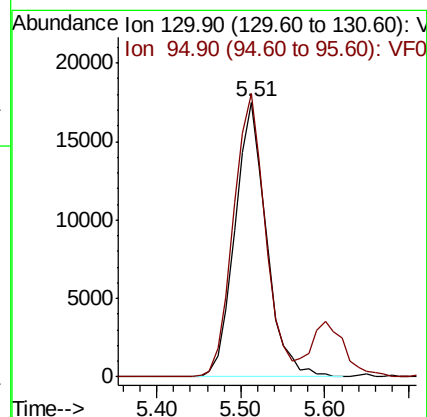
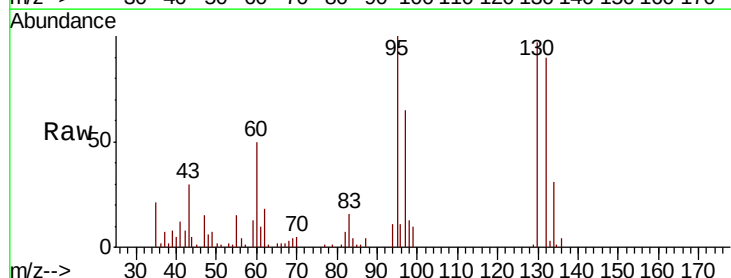
Acq: 19 Nov 2018 18:06

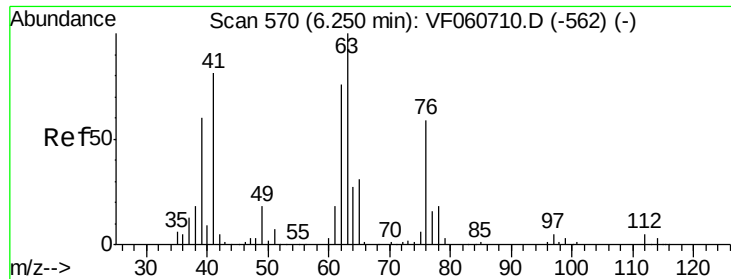
Tgt Ion:130 Resp: 45588

Ion Ratio Lower Upper

130 100

95 103.1 0.0 212.6

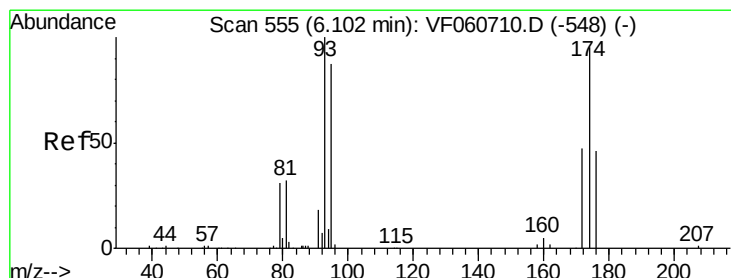
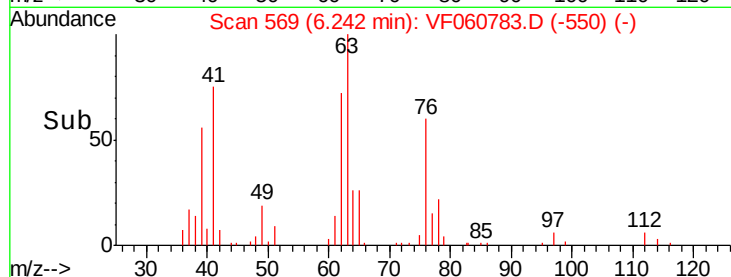
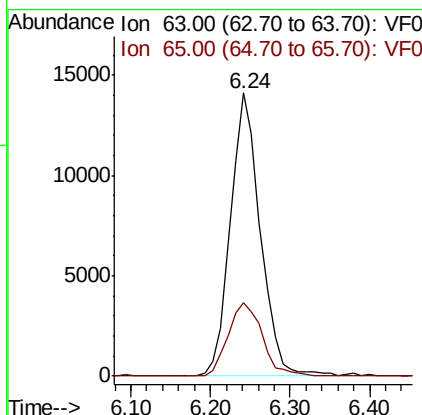
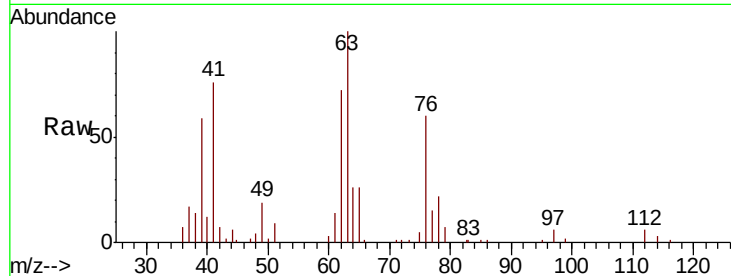




#45
 1,2-Dichloropropane
 Concen: 21.187 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

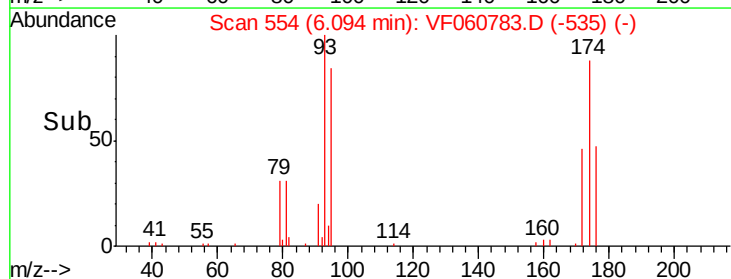
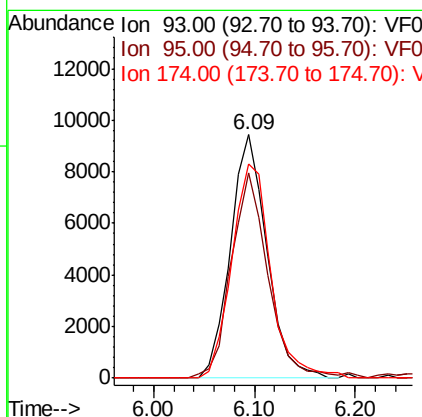
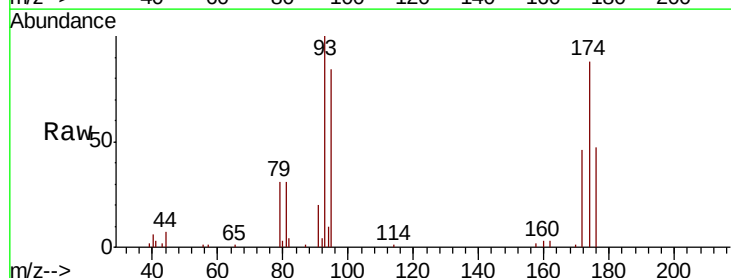
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

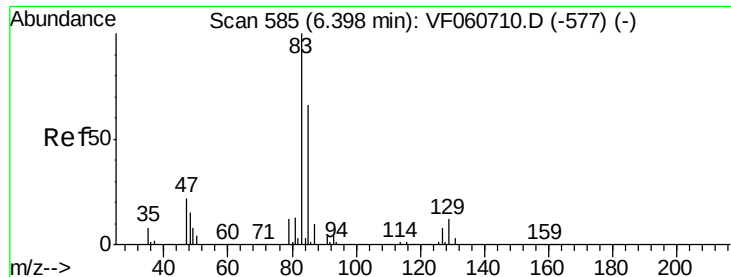
Tot Ion: 63 Resp: 37032
 Ion Ratio Lower Upper
 63 100
 65 26.1 24.6 36.8



#46
 Dibromomethane
 Concen: 20.633 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion: 93 Resp: 23805
 Ion Ratio Lower Upper
 93 100
 95 84.2 69.5 104.3
 174 87.9 76.2 114.2





#47

Bromodichloromethane

Concen: 21.608 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

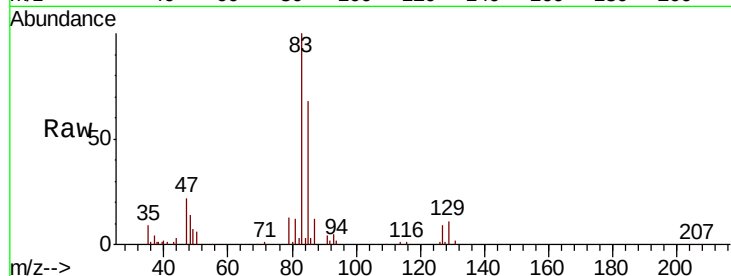
Tot Ion: 83 Resp: 63664

Ion Ratio Lower Upper

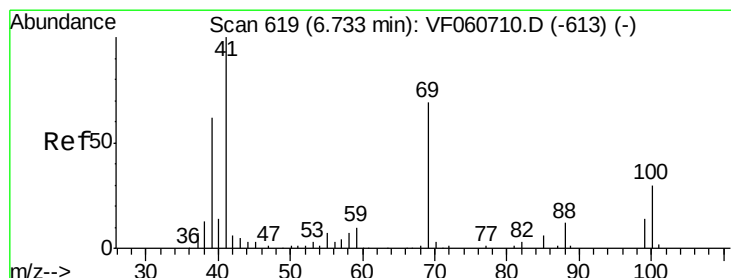
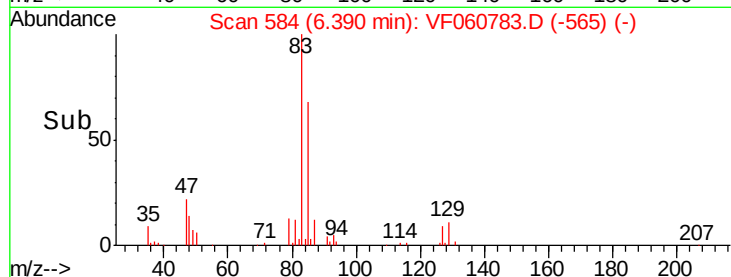
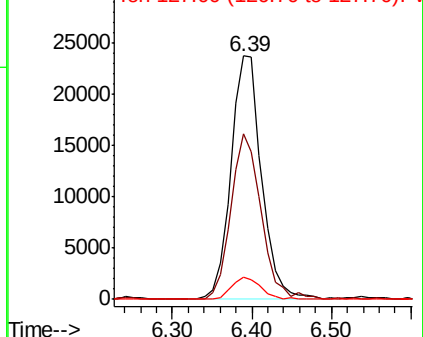
83 100

85 68.1 52.4 78.6

127 9.0 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: 19.802 ug/l

RT: 6.73 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

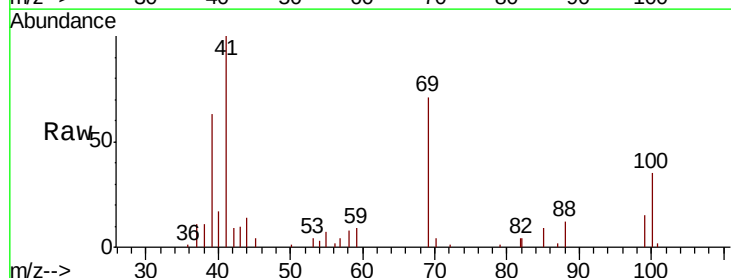
Tgt Ion: 41 Resp: 19465

Ion Ratio Lower Upper

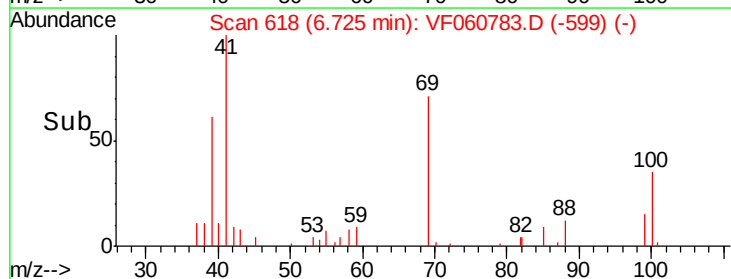
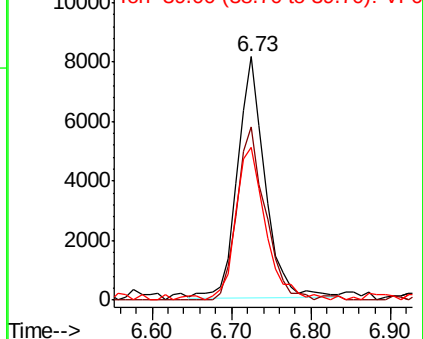
41 100

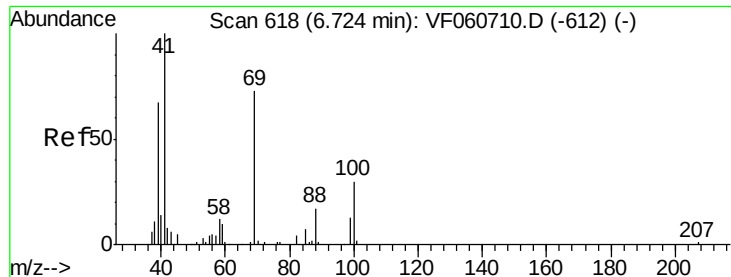
69 71.3 54.9 82.3

39 62.5 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

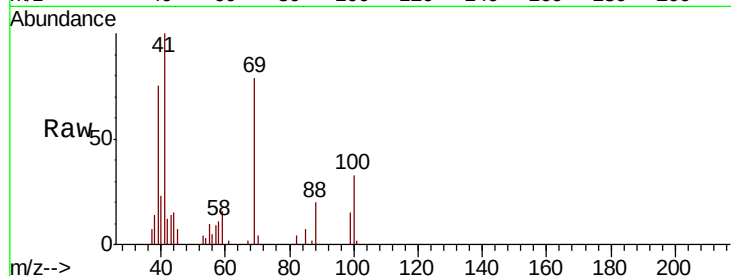




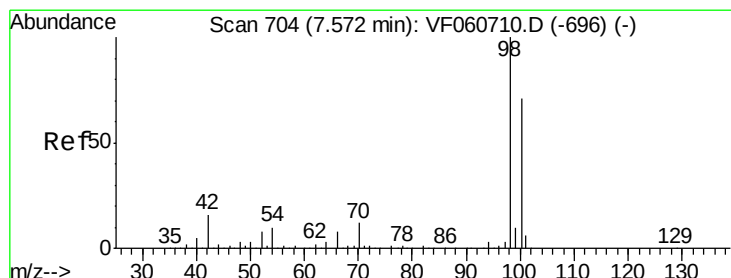
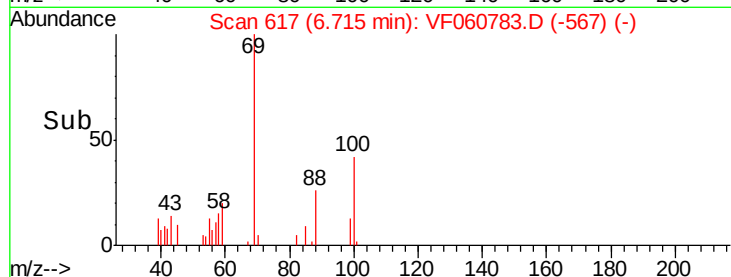
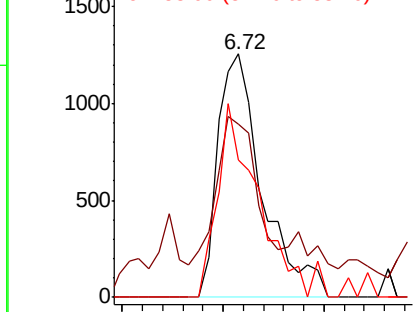
#49
1,4-Dioxane
Concen: 418.781 ug/l
RT: 6.72 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBSD01

Tot Ion: 88 Resp: 3850
Ion Ratio Lower Upper
88 100
43 71.1 44.6 66.8#
58 56.6 54.5 81.7

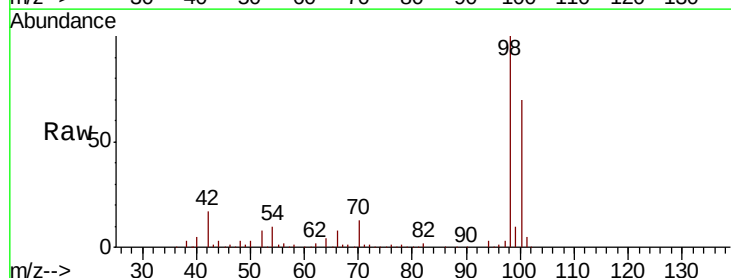


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

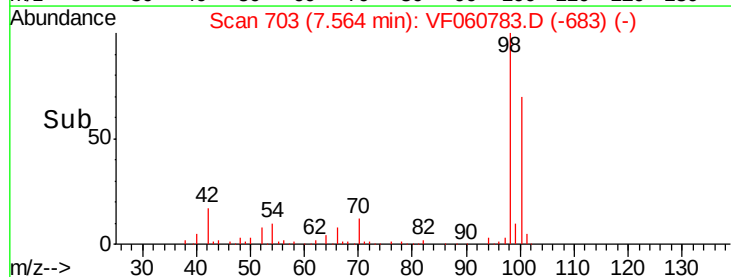
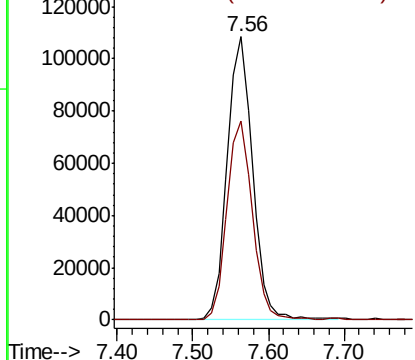


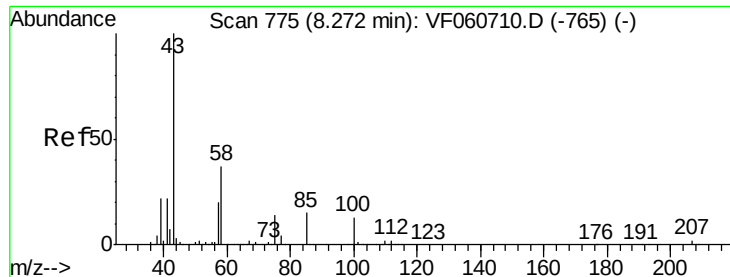
#50
Toluene-d8
Concen: 50.543 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 98 Resp: 253099
Ion Ratio Lower Upper
98 100
100 70.2 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: 110.125 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

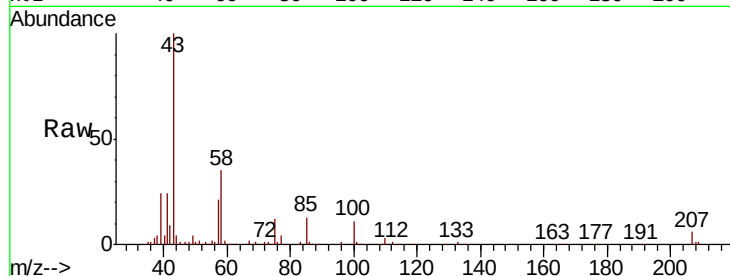
VF1119SBS01

Tot Ion: 43 Resp: 118300

Ion Ratio Lower Upper

43 100

58 35.3 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

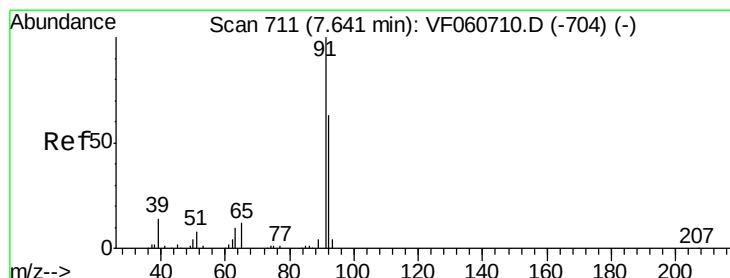
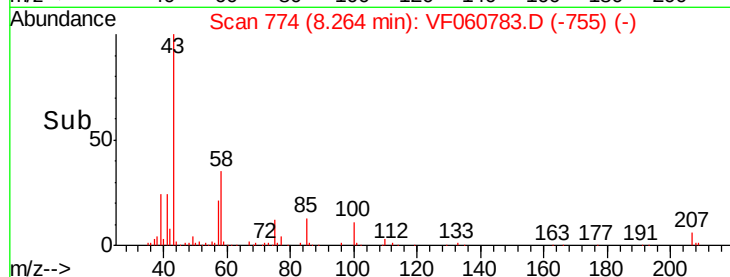
20000

10000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 21.251 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060783.D

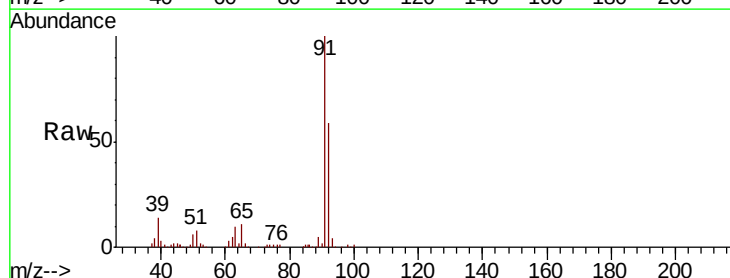
Acq: 19 Nov 2018 18:06

Tgt Ion: 92 Resp: 95652

Ion Ratio Lower Upper

92 100

91 169.2 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

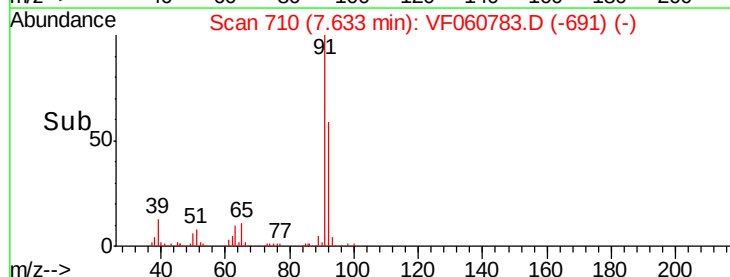
40000

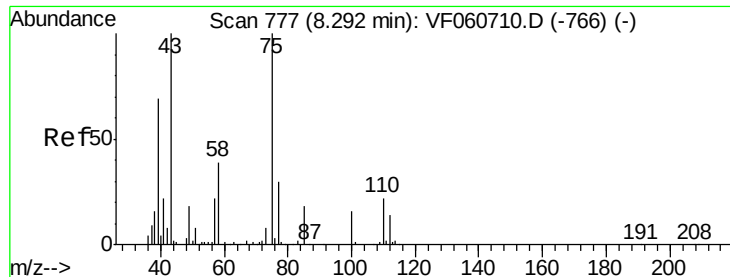
20000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.808 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

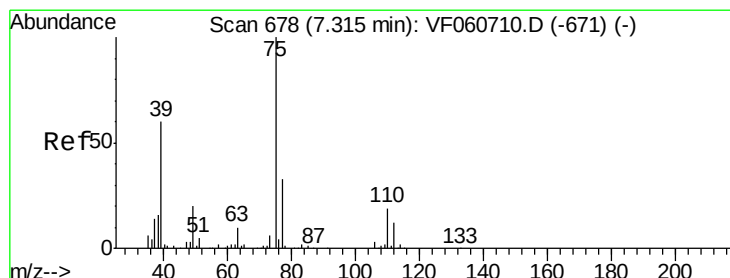
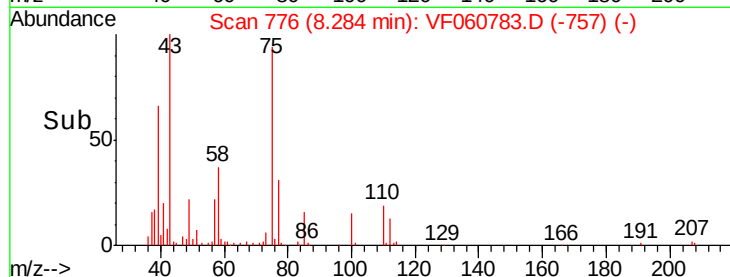
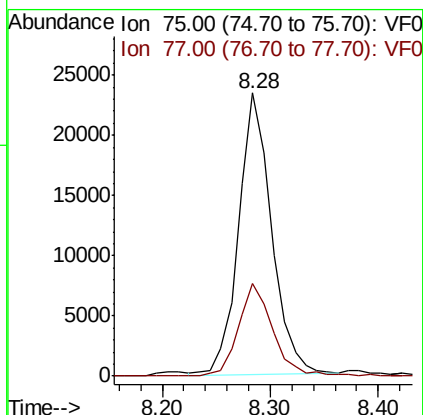
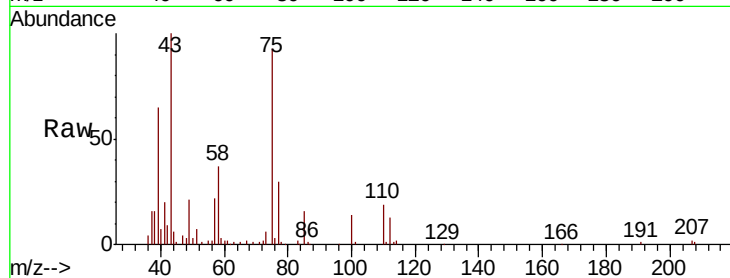
VF1119SBS01

Tot Ion: 75 Resp: 49102

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 21.546 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

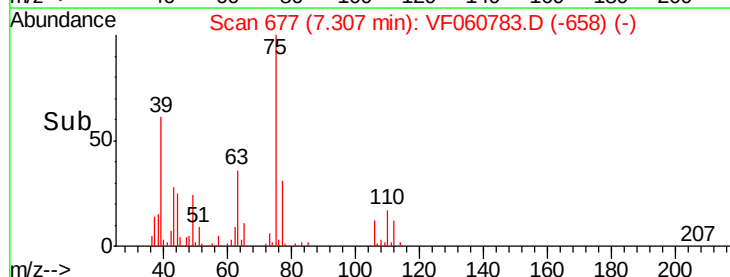
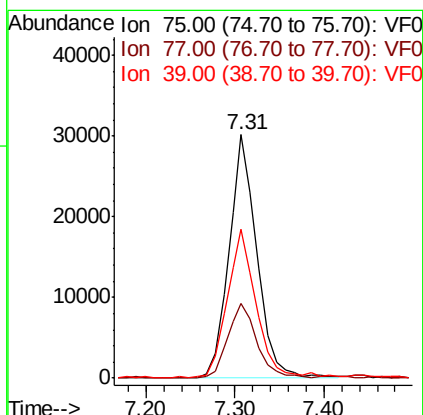
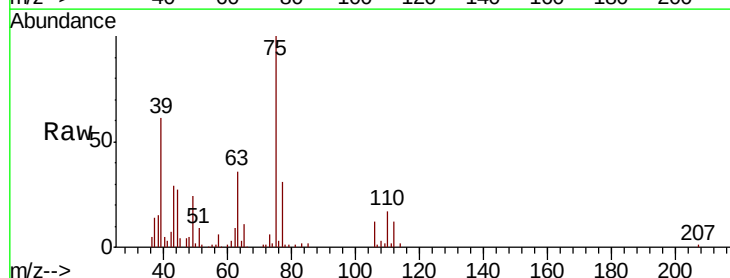
Tgt Ion: 75 Resp: 66044

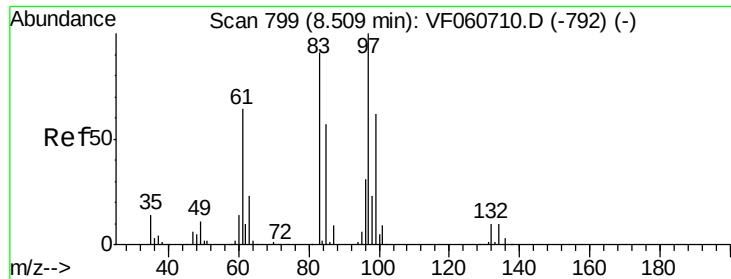
Ion Ratio Lower Upper

75 100

77 30.6 26.5 39.7

39 61.2 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 20.352 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

Tot Ion: 97 Resp: 26173

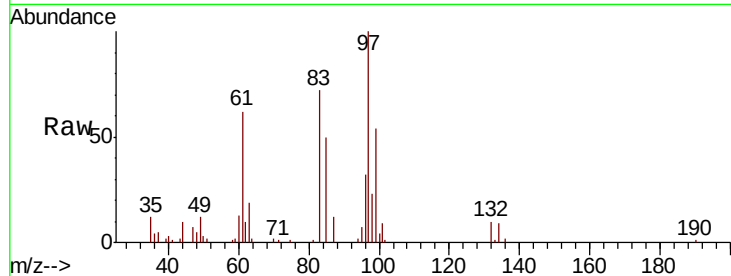
Ion Ratio Lower Upper

97 100

83 71.9 72.8 109.2#

85 49.7 45.8 68.6

99 53.7 49.4 74.0

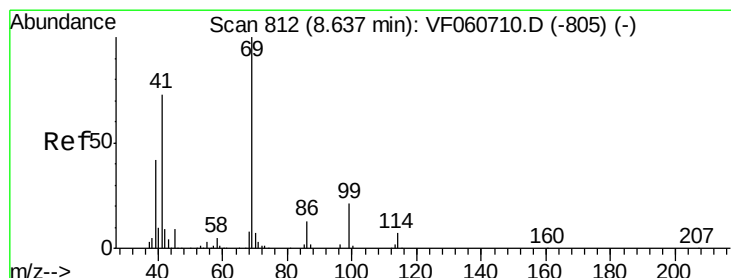
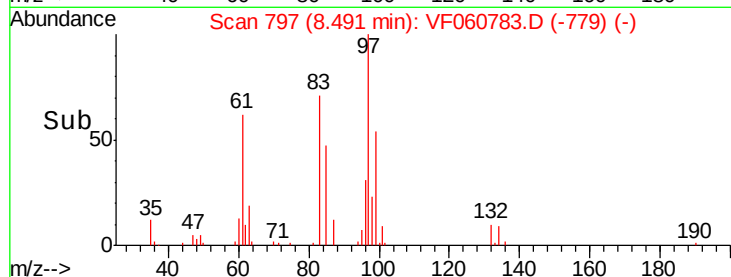
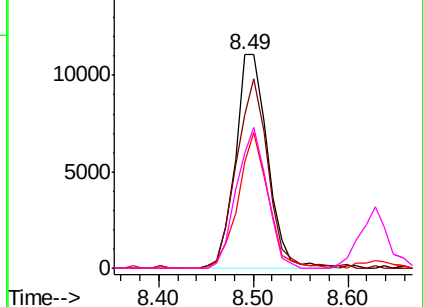


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.464 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

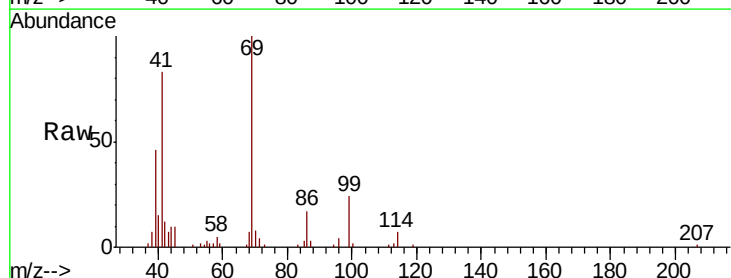
Tgt Ion: 69 Resp: 31349

Ion Ratio Lower Upper

69 100

41 83.4 59.0 88.6

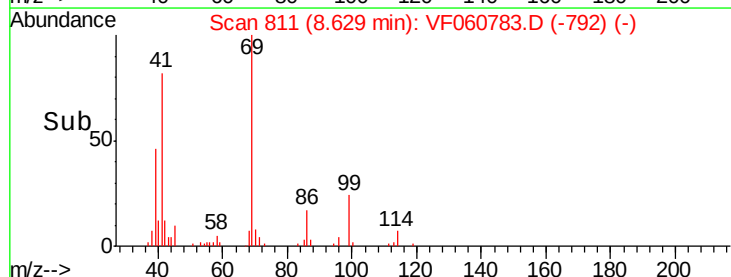
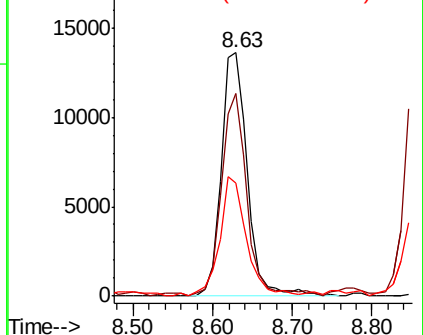
39 46.4 34.0 51.0

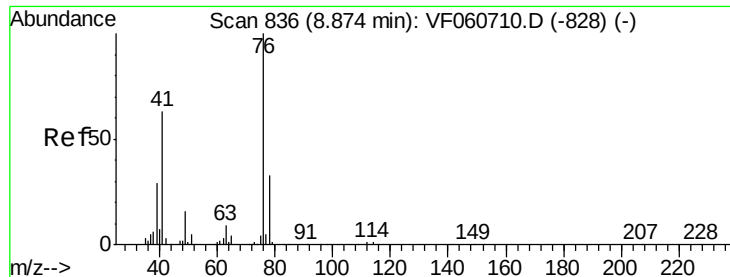


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.569 ug/l

RT: 8.87 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

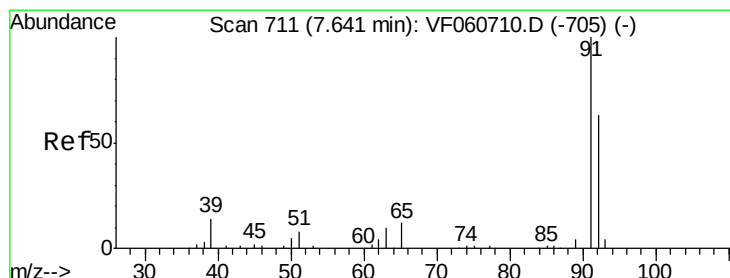
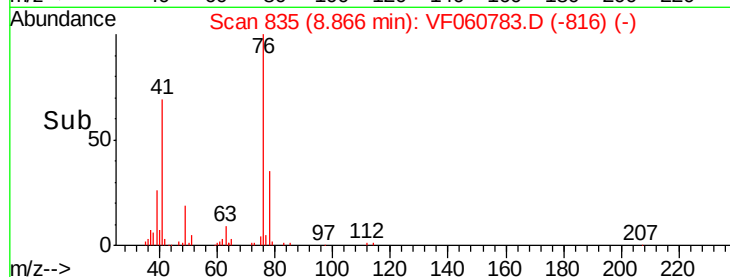
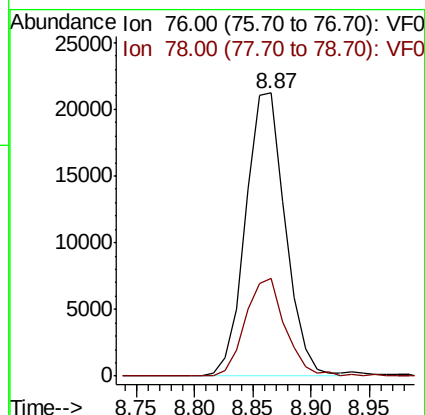
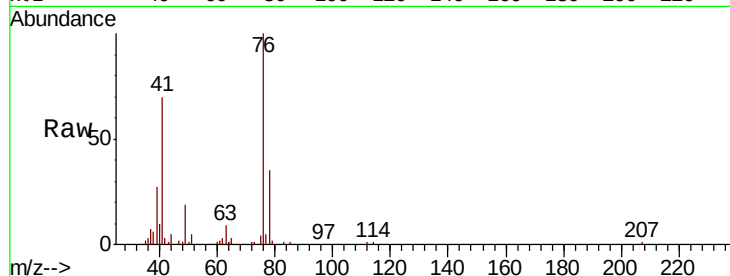
VF1119SBS01

Tot Ion: 76 Resp: 50301

Ion Ratio Lower Upper

76 100

78 34.8 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 116.084 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060783.D

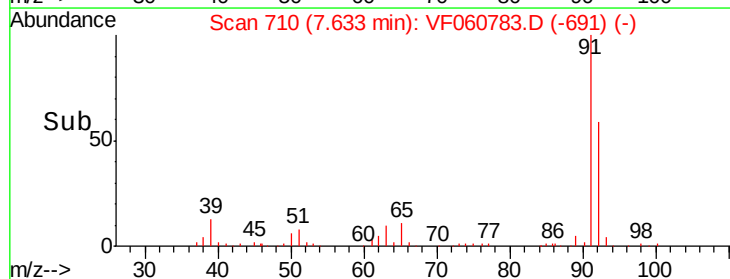
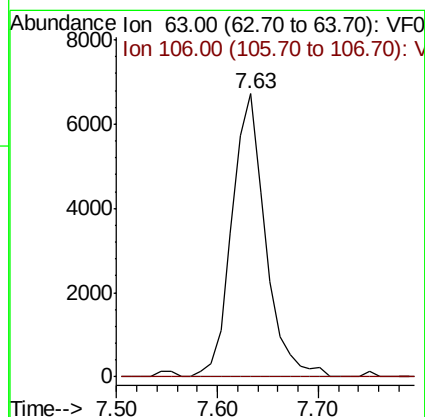
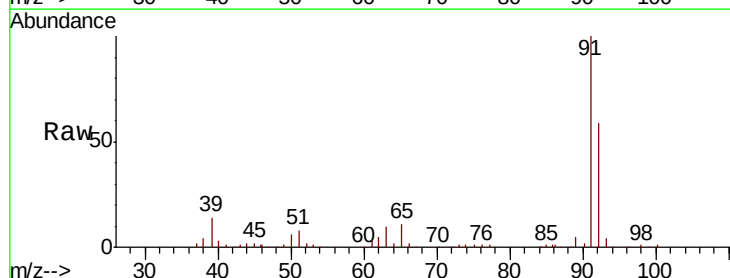
Acq: 19 Nov 2018 18:06

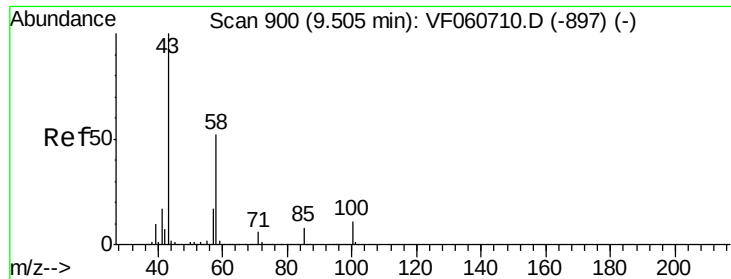
Tgt Ion: 63 Resp: 15488

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

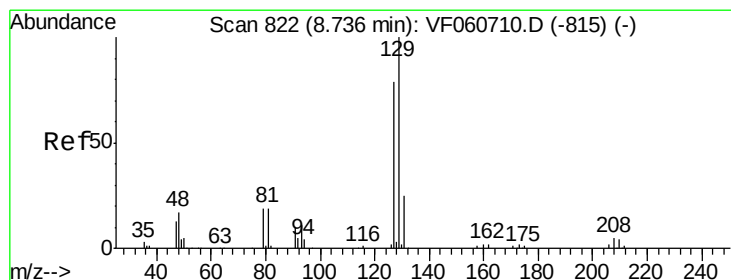
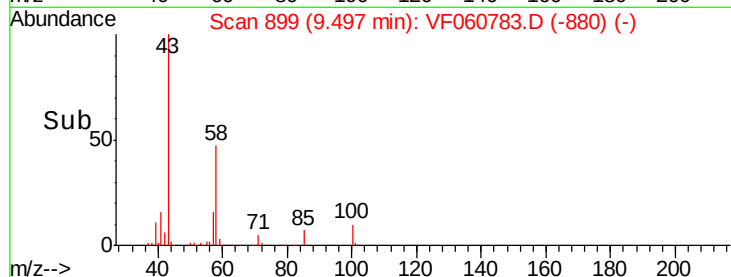
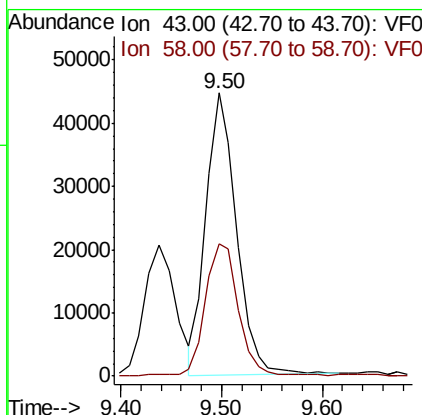
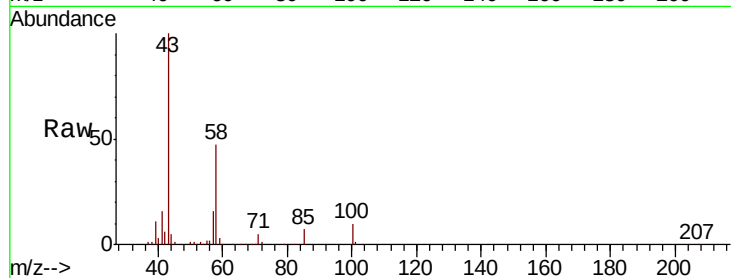




#59
2-Hexanone
Concen: 124.295 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

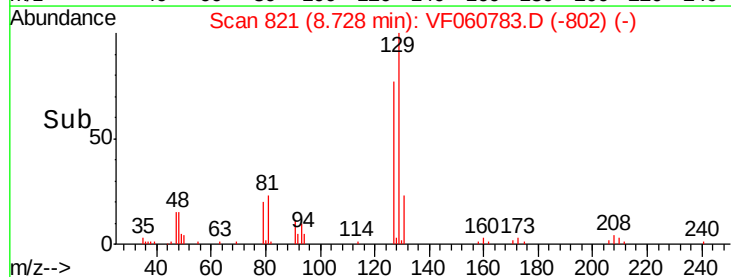
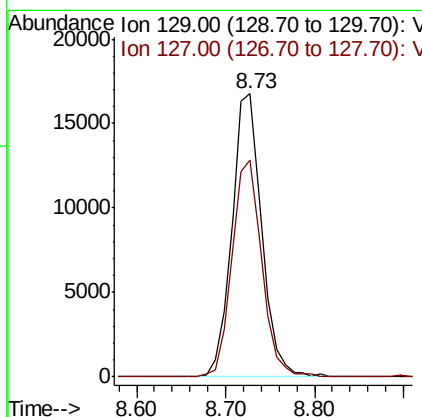
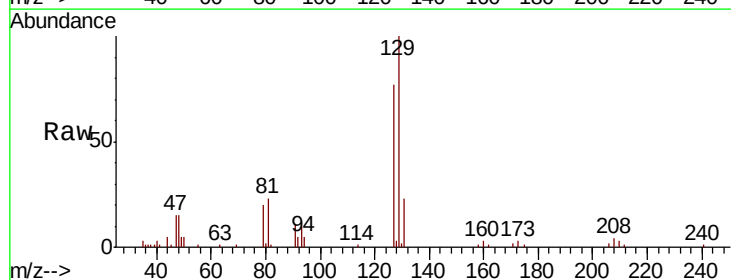
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBSD01

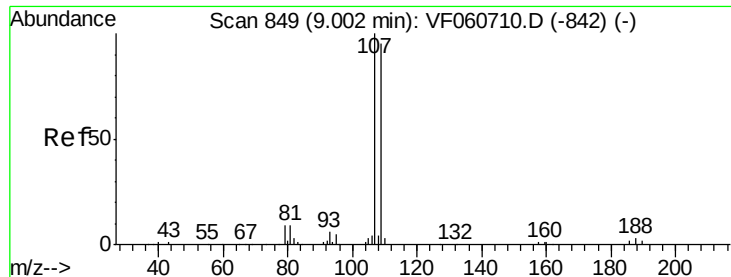
Tot Ion: 43 Resp: 93835
Ion Ratio Lower Upper
43 100
58 46.9 24.9 74.7



#60
Dibromochloromethane
Concen: 21.405 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion: 129 Resp: 39233
Ion Ratio Lower Upper
129 100
127 76.6 39.7 119.1





#61

1,2-Dibromoethane

Concen: 21.659 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

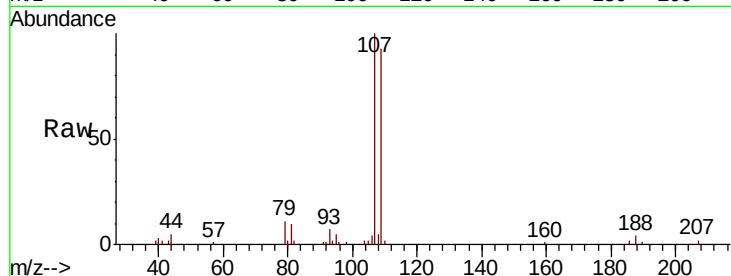
VF1119SBS01

Tot Ion:107 Resp: 29295

Ion Ratio Lower Upper

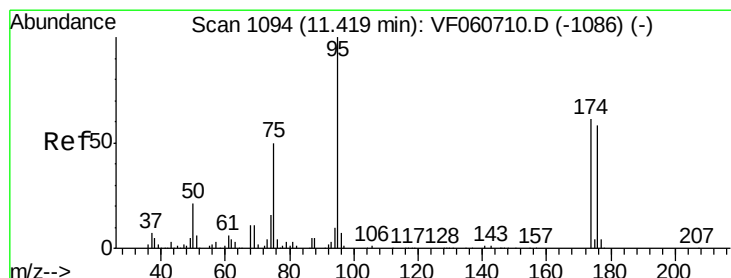
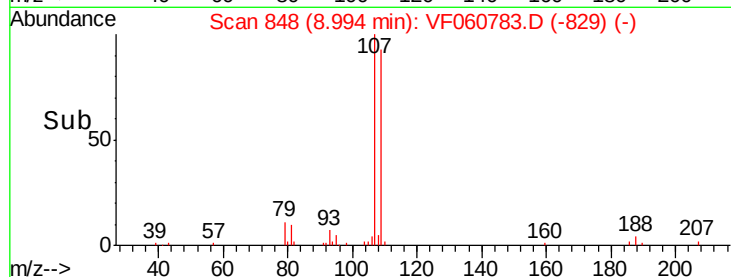
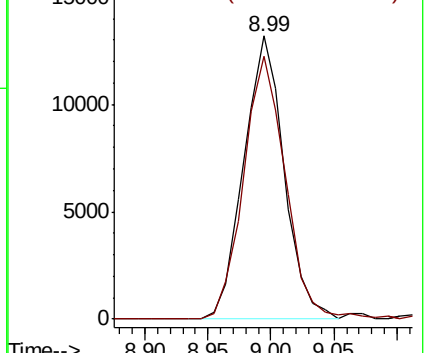
107 100

109 93.0 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 57.862 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

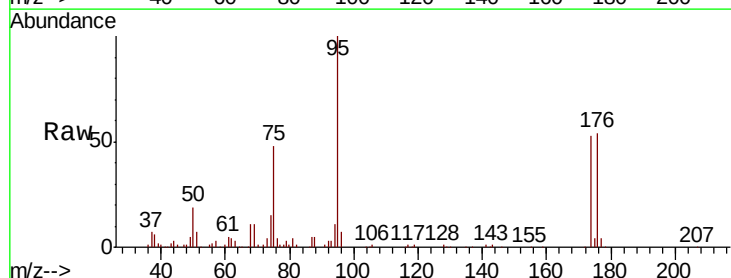
Tgt Ion: 95 Resp: 132257

Ion Ratio Lower Upper

95 100

174 53.4 0.0 121.6

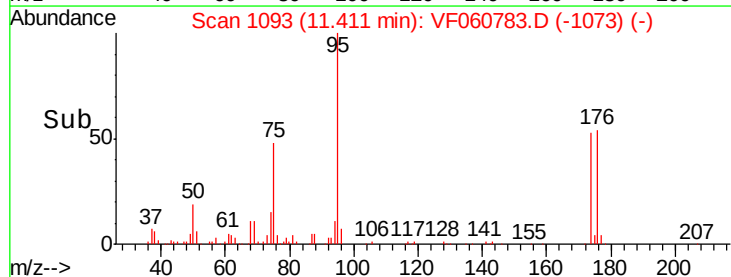
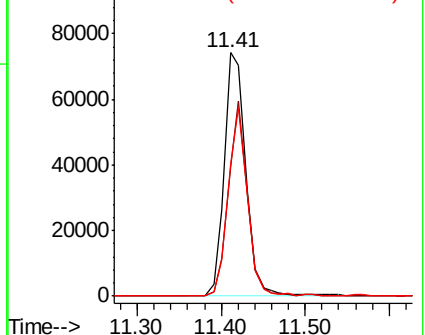
176 54.4 0.0 115.2

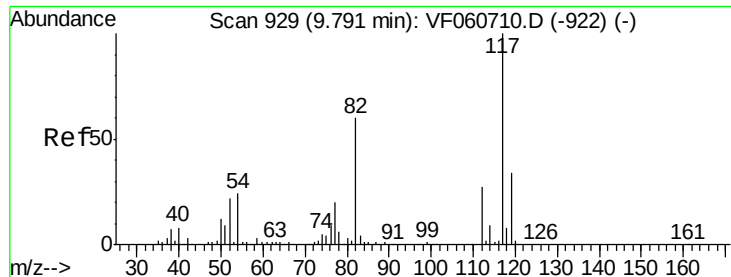


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

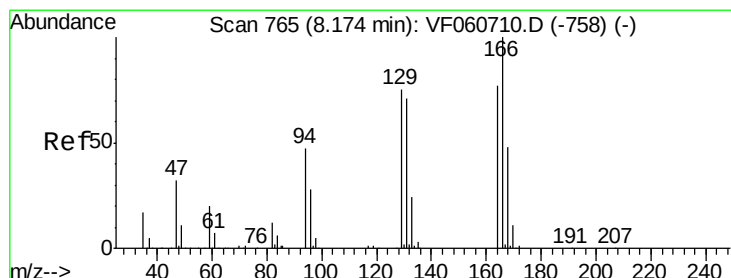
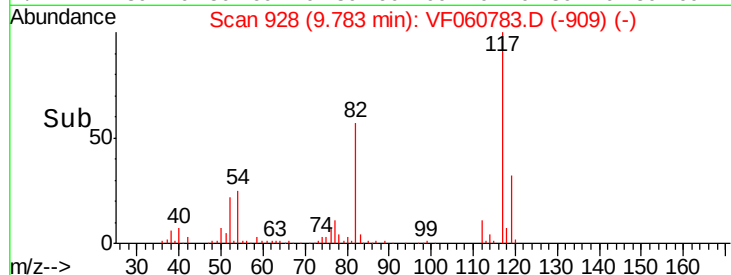
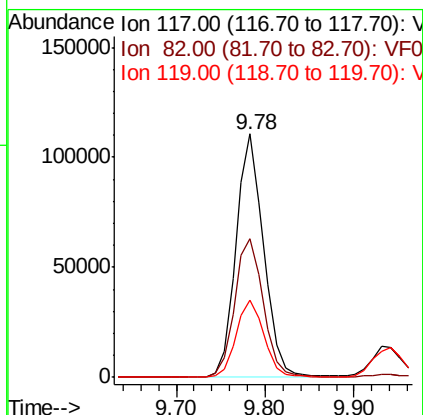
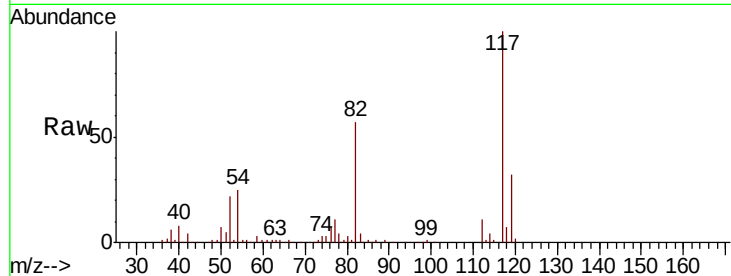




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

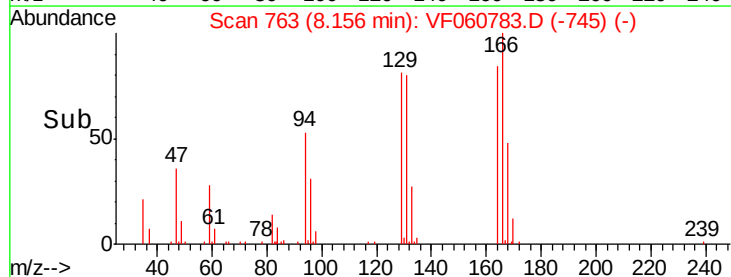
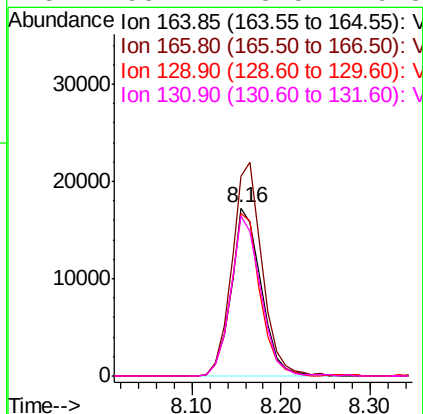
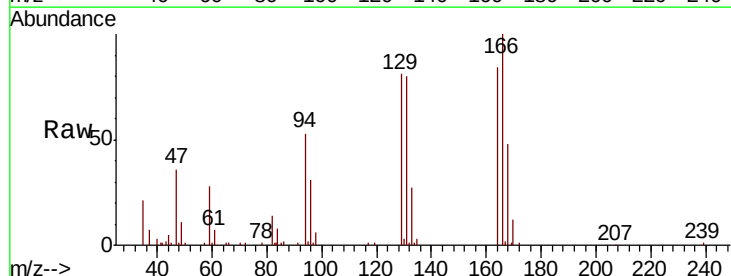
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

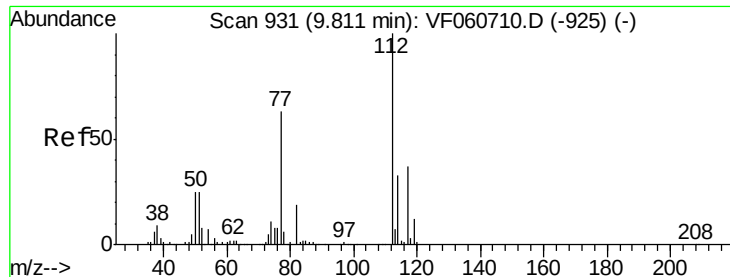
Tot Ion:117 Resp: 240018
Ion Ratio Lower Upper
117 100
82 57.1 47.9 71.9
119 32.0 26.8 40.2



#64
Tetrachloroethene
Concen: 21.385 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion:164 Resp: 40645
Ion Ratio Lower Upper
164 100
166 119.0 103.5 155.3
129 96.8 77.4 116.2
131 95.1 73.5 110.3

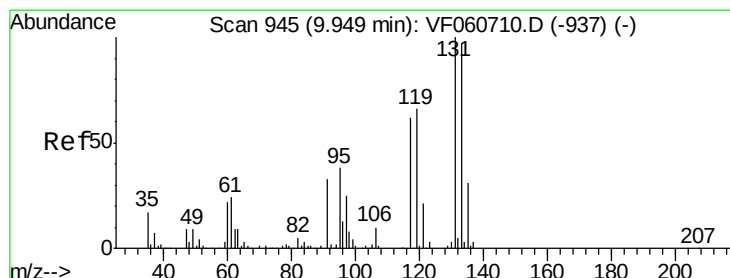
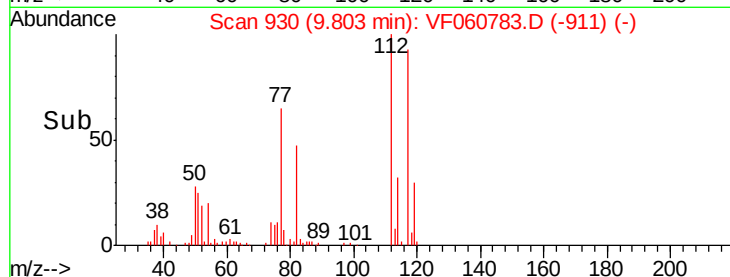
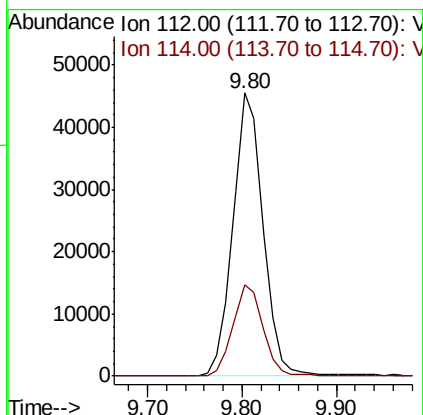
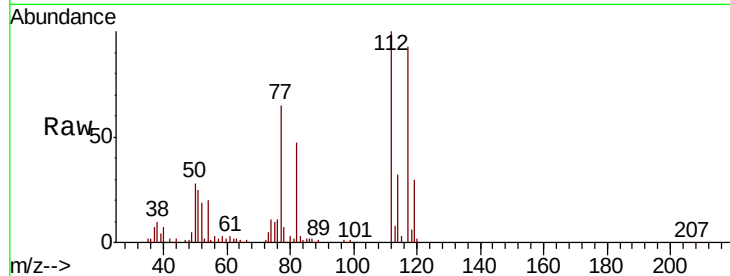




#65
Chlorobenzene
Concen: 20.756 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

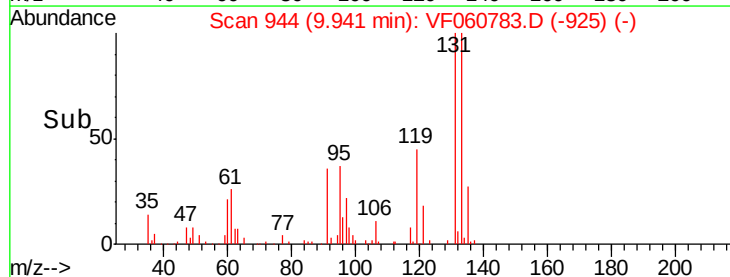
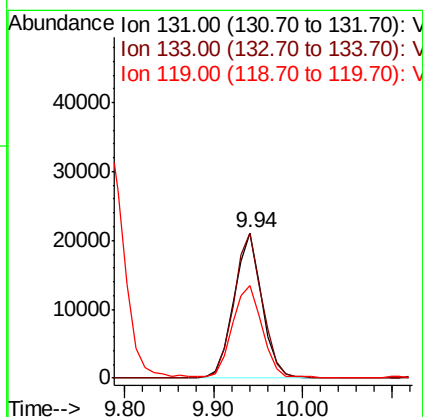
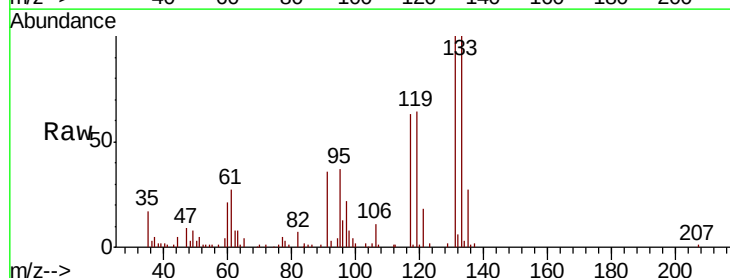
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

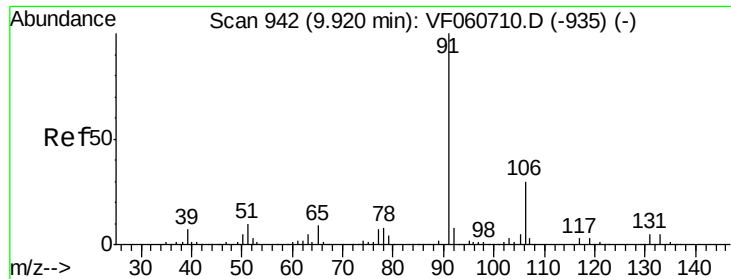
Tot Ion:112 Resp: 100531
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.814 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion:131 Resp: 46082
Ion Ratio Lower Upper
131 100
133 99.9 48.3 144.8
119 63.7 33.2 99.6





#67

Ethyl Benzene

Concen: 22.529 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

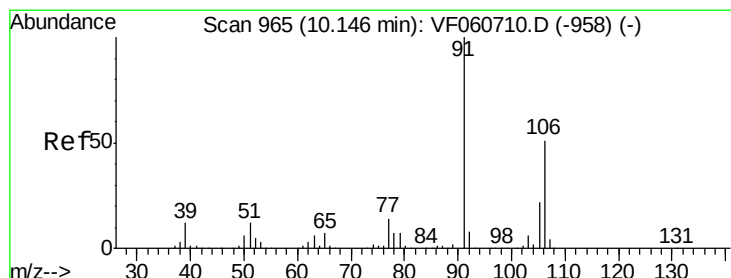
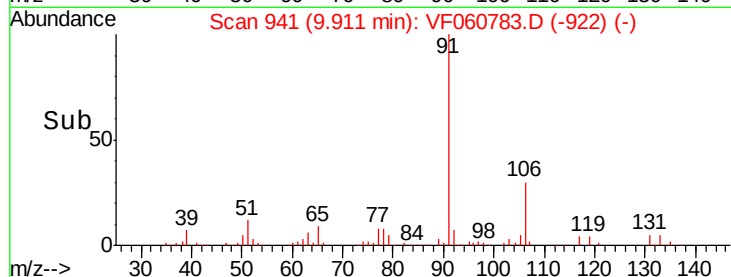
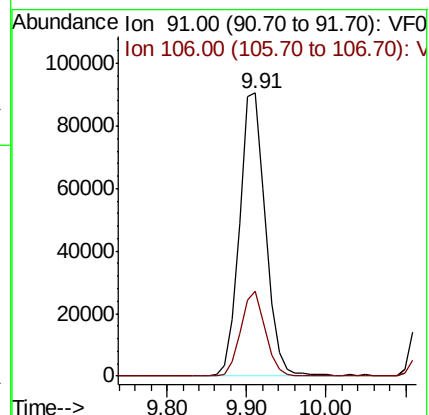
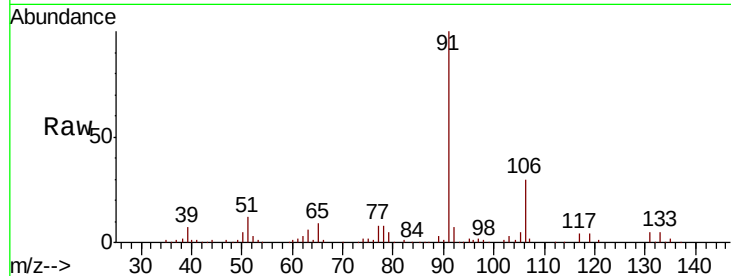
VF1119SBS01

Tot Ion: 91 Resp: 205682

Ion Ratio Lower Upper

91 100

106 29.9 23.9 35.9



#68

m/p-Xylenes

Concen: 44.791 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060783.D

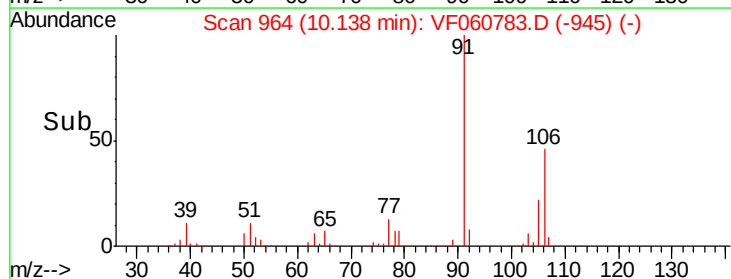
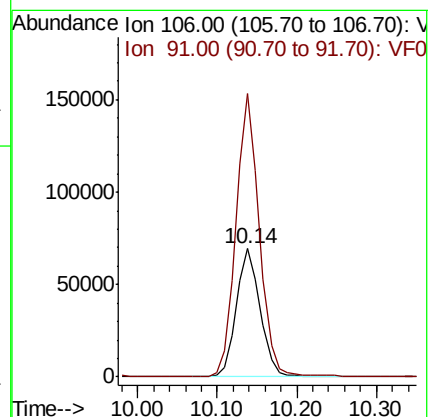
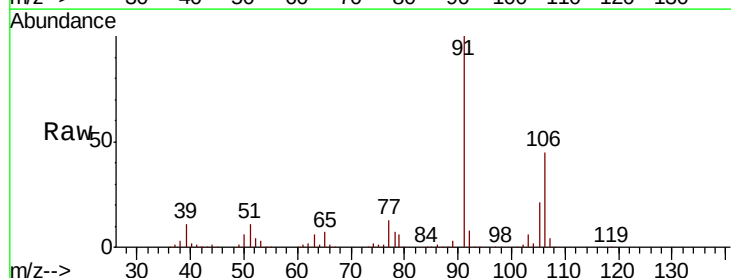
Acq: 19 Nov 2018 18:06

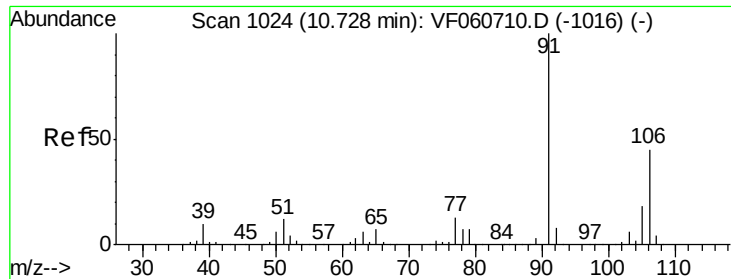
Tgt Ion: 106 Resp: 146136

Ion Ratio Lower Upper

106 100

91 220.5 158.2 237.2

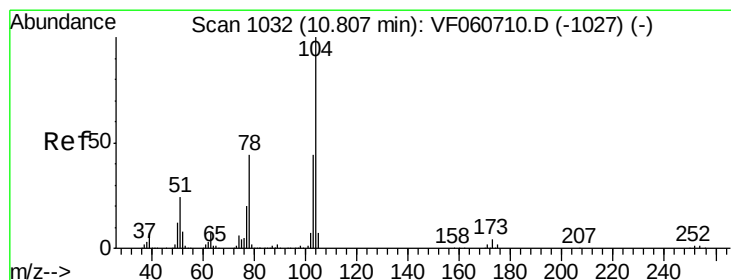
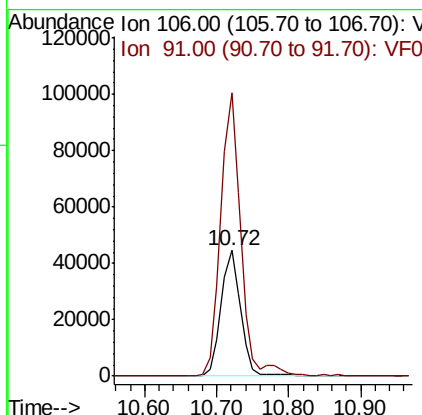
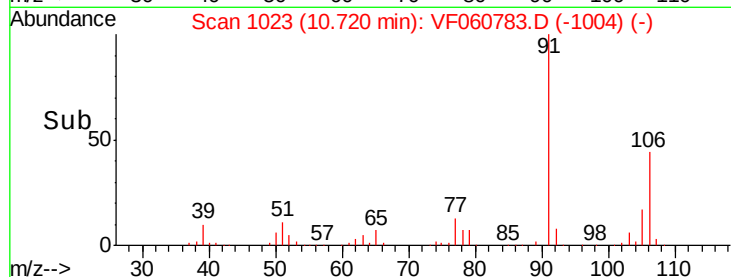
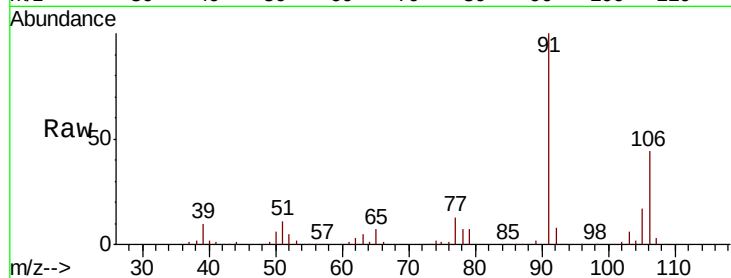




#69
o-Xylene
Concen: 22.867 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

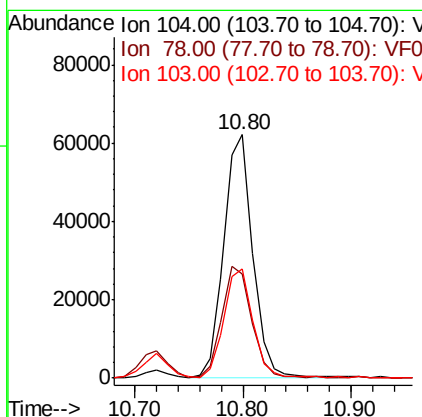
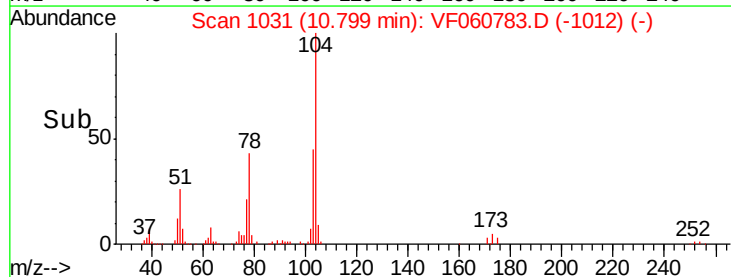
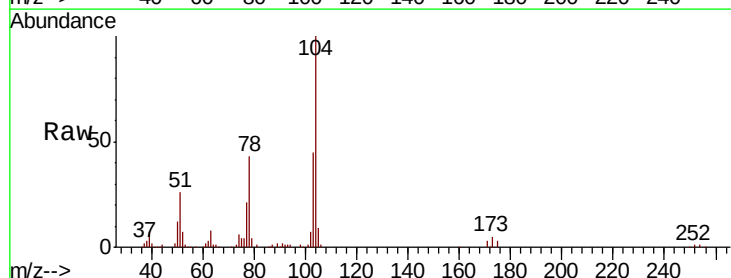
Instrument :
MSVOA_F
ClientSampleId :
VF1119SBS01

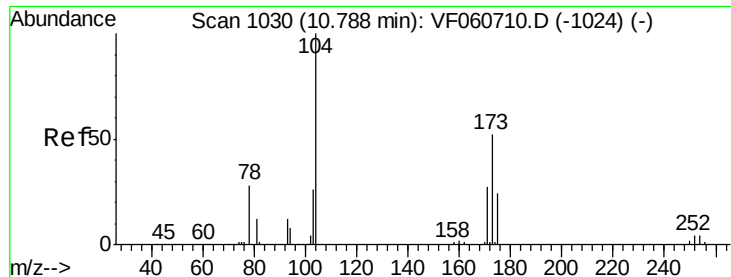
Tot Ion:106 Resp: 83879
Ion Ratio Lower Upper
106 100
91 225.0 110.3 330.9



#70
Styrene
Concen: 23.251 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion:104 Resp: 115746
Ion Ratio Lower Upper
104 100
78 42.7 35.4 53.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 22.447 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBSD01

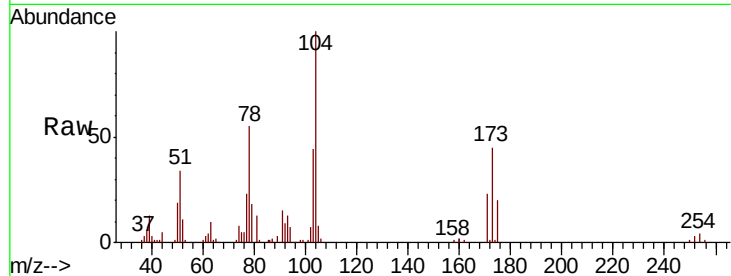
Tot Ion:173 Resp: 21324

Ion Ratio Lower Upper

173 100

175 43.7 23.4 70.0

254 7.8 5.8 8.8

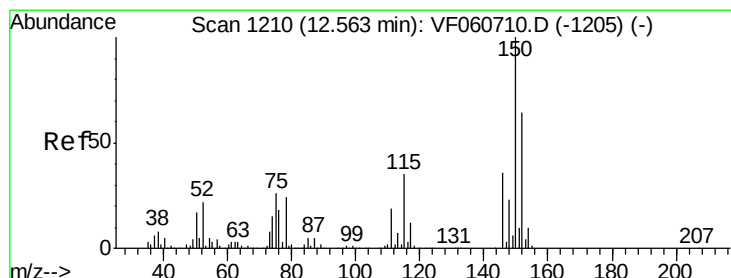
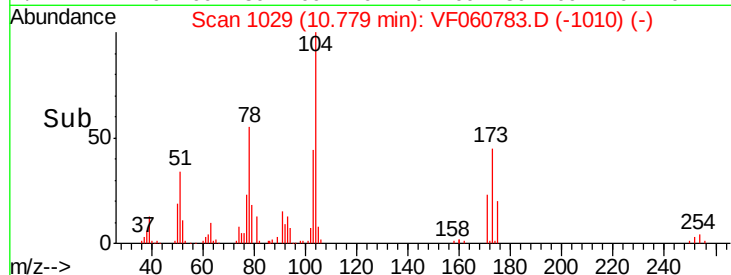
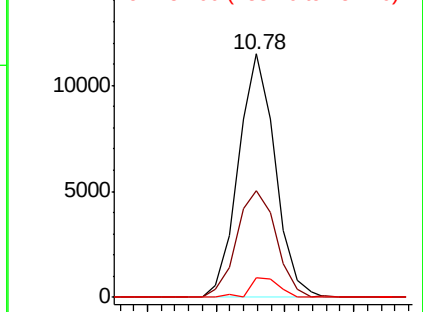


Abundance

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: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

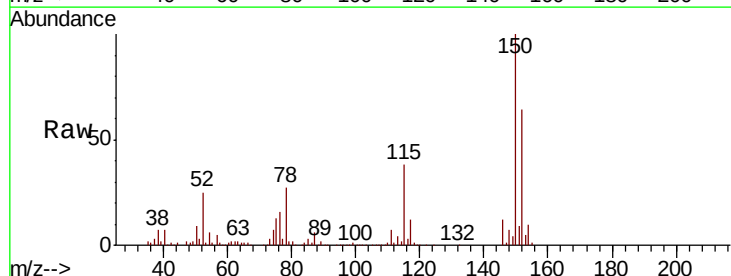
Tgt Ion:152 Resp: 136939

Ion Ratio Lower Upper

152 100

115 59.2 27.9 83.7

150 156.3 0.0 316.4

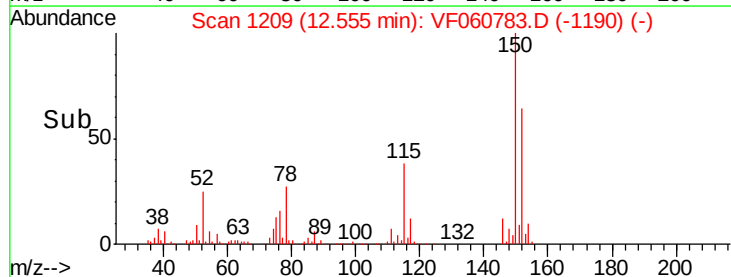
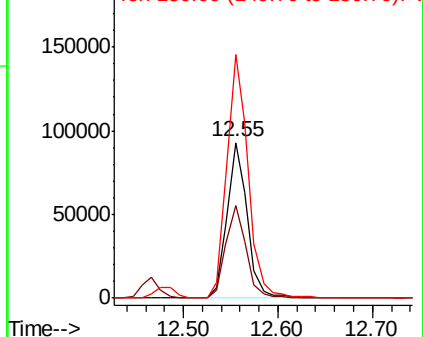


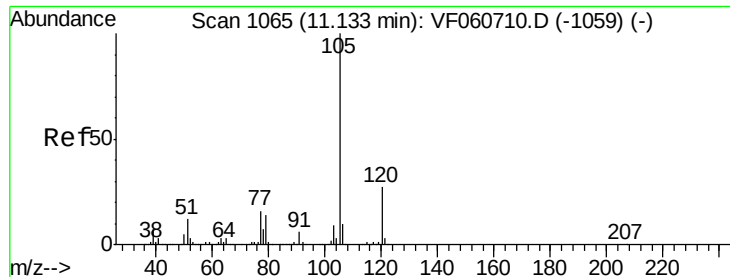
Abundance

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: 22.505 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

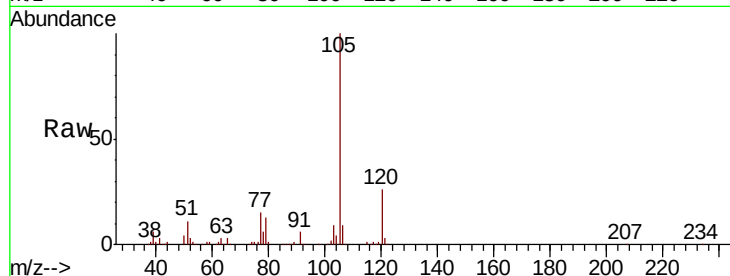
VF1119SBS01

Tot Ion:105 Resp: 248061

Ion Ratio Lower Upper

105 100

120 25.6 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

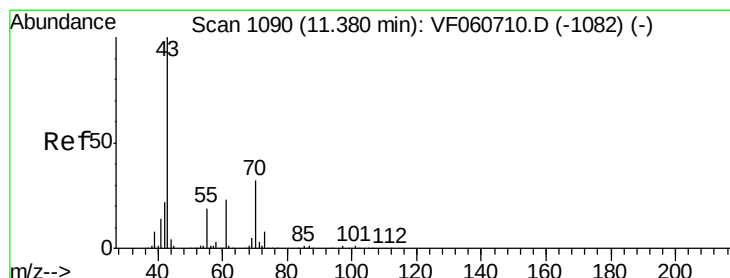
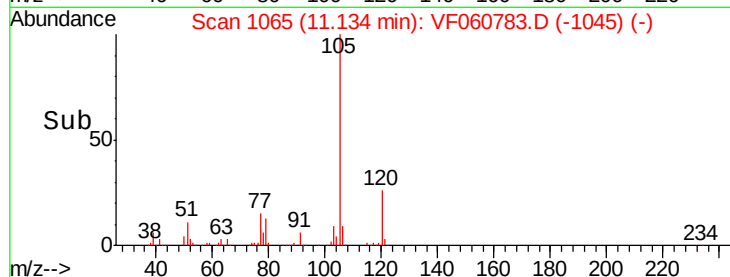
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 24.787 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Tgt Ion: 43 Resp: 62198

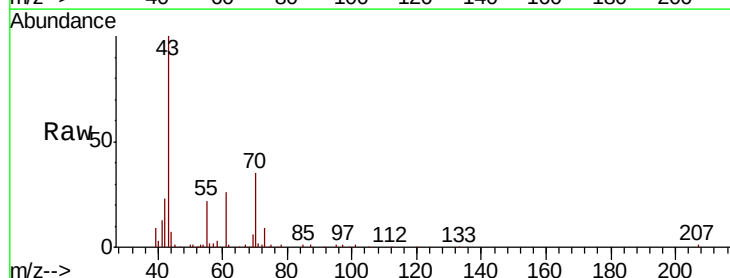
Ion Ratio Lower Upper

43 100

70 34.6 25.5 38.3

55 21.6 14.9 22.3

61 26.4 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

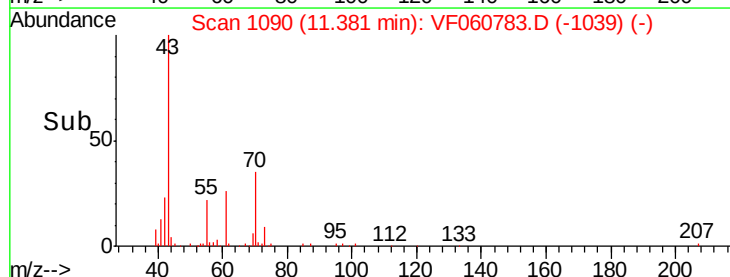
30000

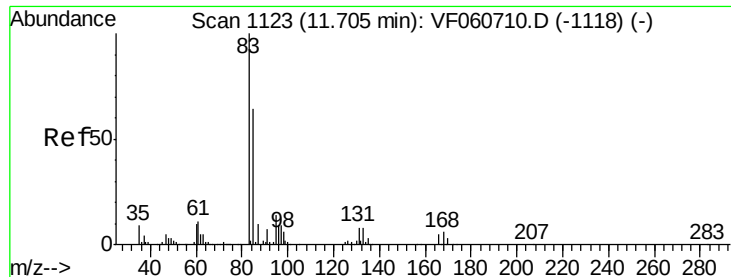
20000

10000

0

Time--> 11.30 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 22.746 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBSD01

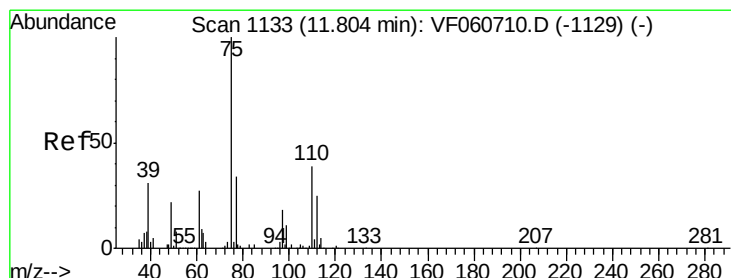
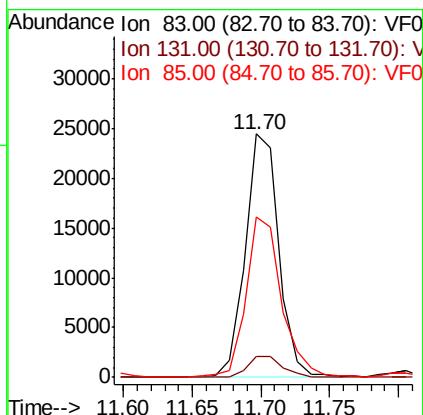
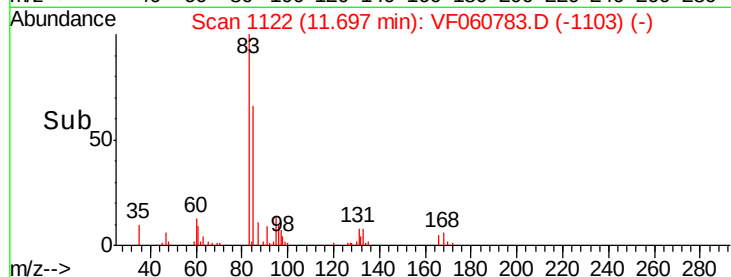
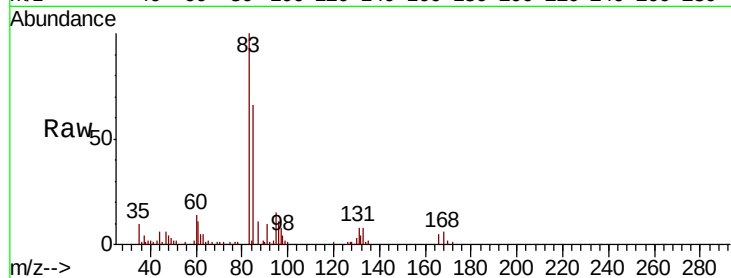
Tot Ion: 83 Resp: 41452

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.4

85 65.9 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 22.338 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060783.D

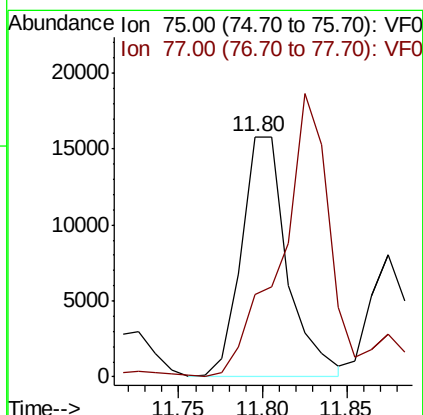
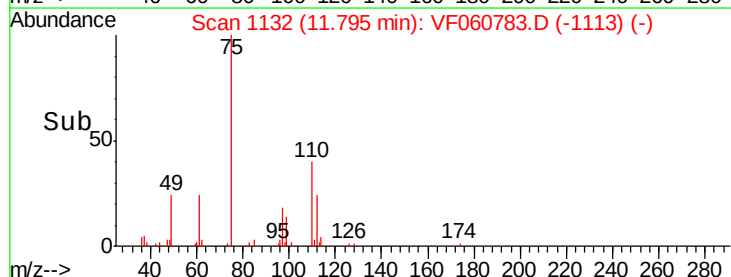
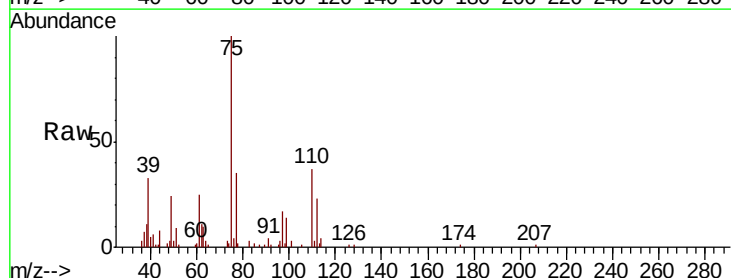
Acq: 19 Nov 2018 18:06

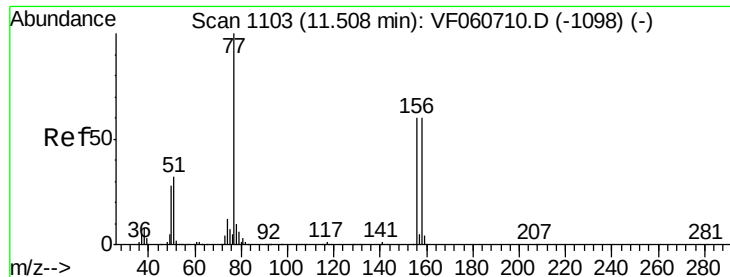
Tgt Ion: 75 Resp: 30233

Ion Ratio Lower Upper

75 100

77 34.5 17.0 51.0





#77

Bromobenzene

Concen: 21.254 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

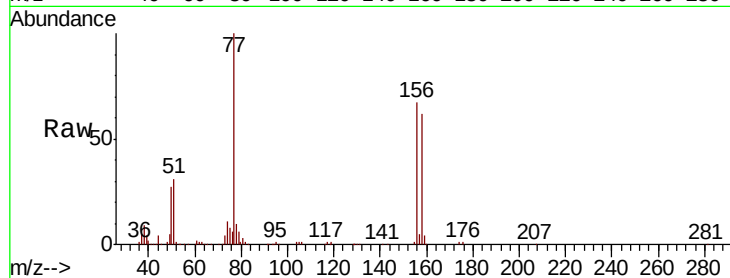
Tot Ion:156 Resp: 48765

Ion Ratio Lower Upper

156 100

77 149.0 83.0 248.9

158 92.8 49.6 149.0

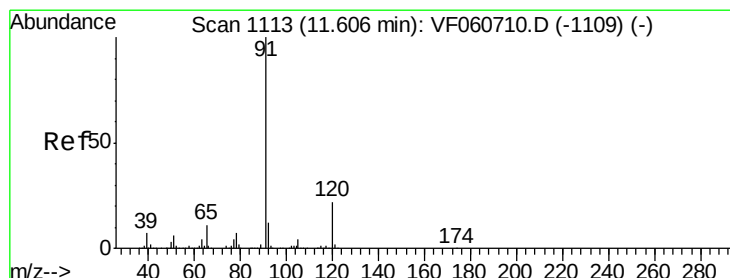
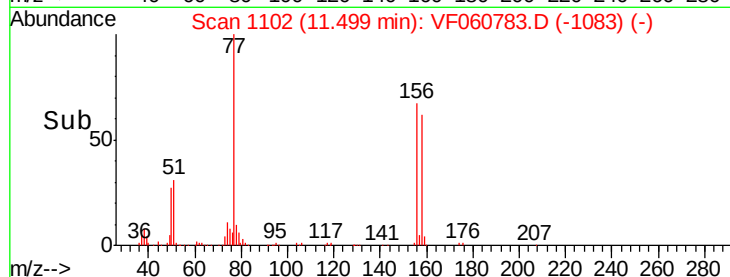
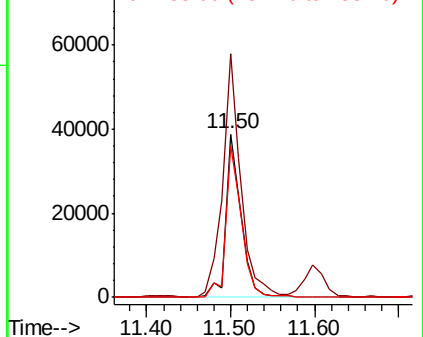


Abundance

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: 23.457 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060783.D

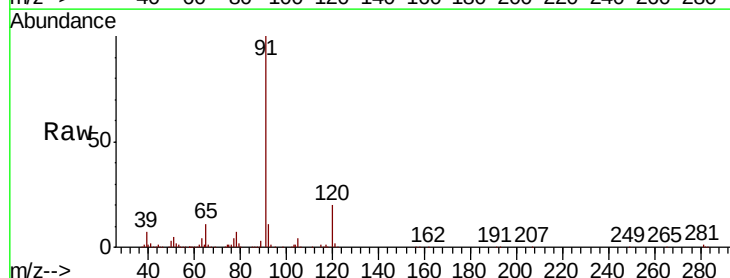
Acq: 19 Nov 2018 18:06

Tgt Ion: 91 Resp: 301557

Ion Ratio Lower Upper

91 100

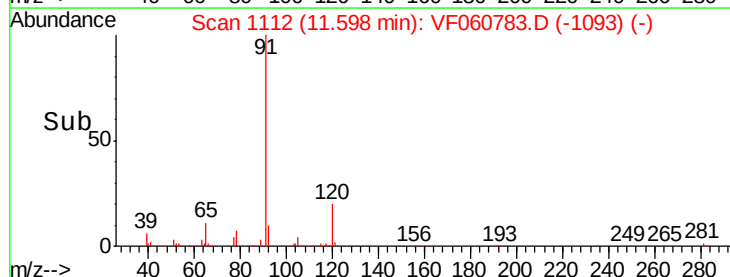
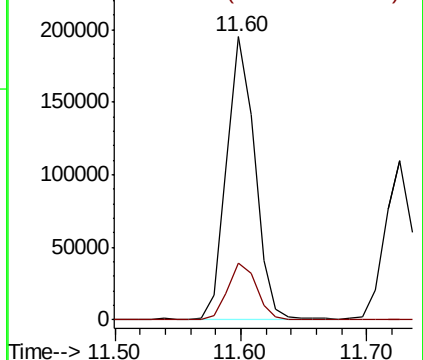
120 19.9 11.2 33.5

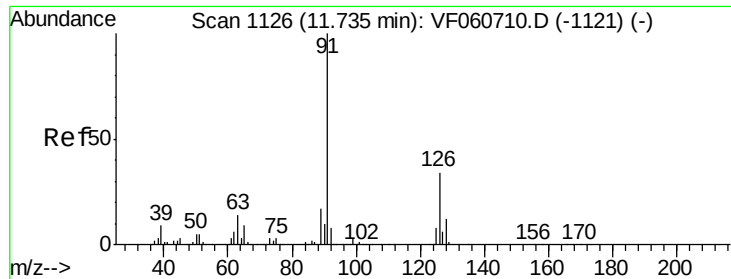


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.741 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

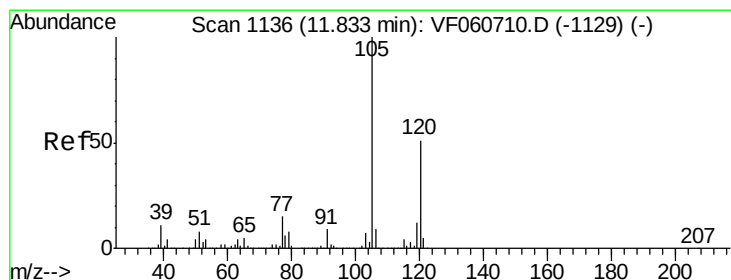
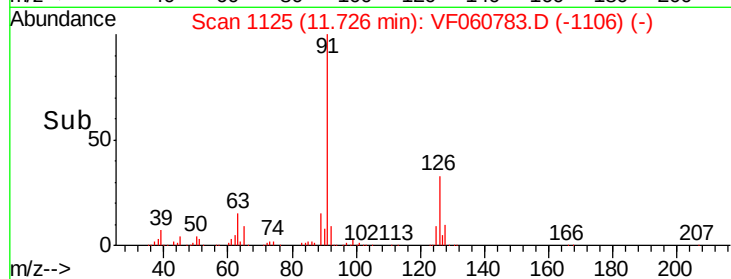
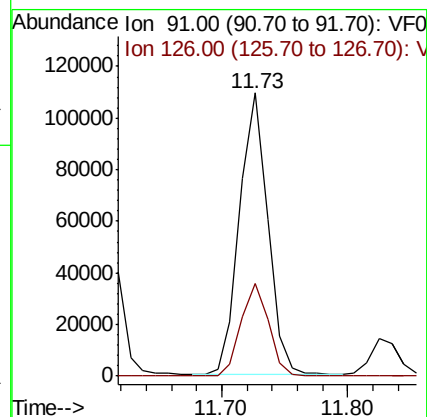
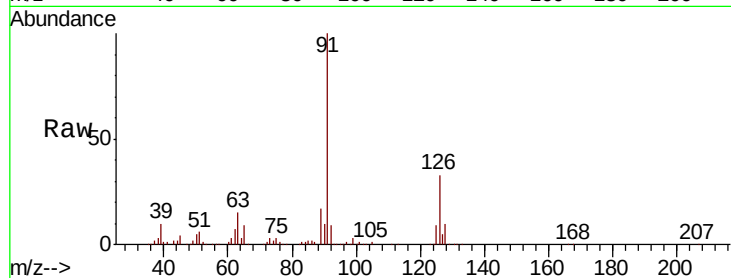
VF1119SBSD01

Tot Ion: 91 Resp: 169917

Ion Ratio Lower Upper

91 100

126 32.9 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 23.358 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060783.D

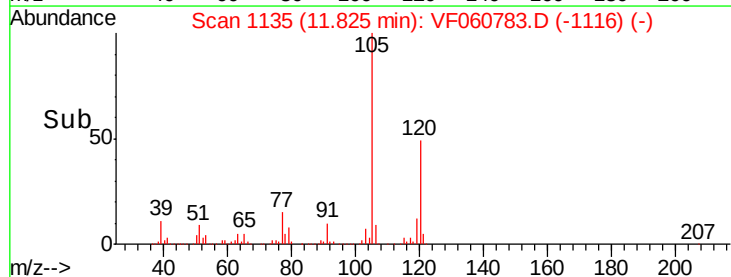
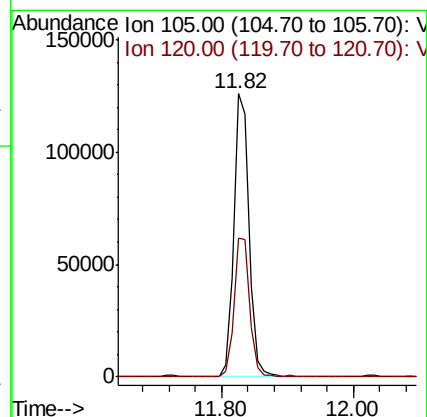
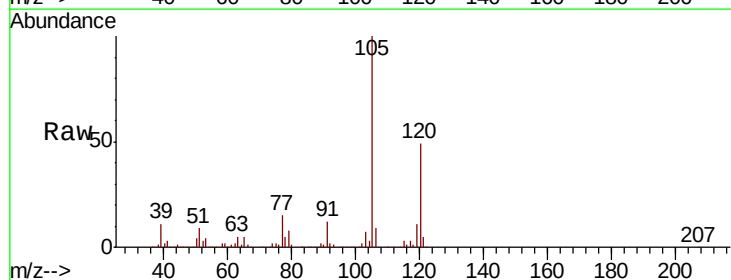
Acq: 19 Nov 2018 18:06

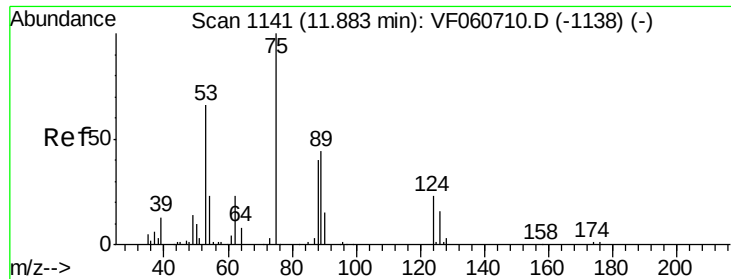
Tgt Ion: 105 Resp: 204403

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 27.705 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

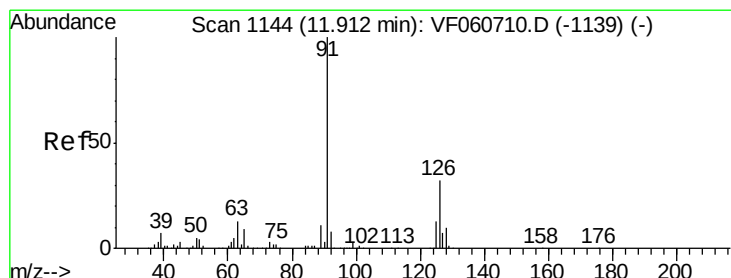
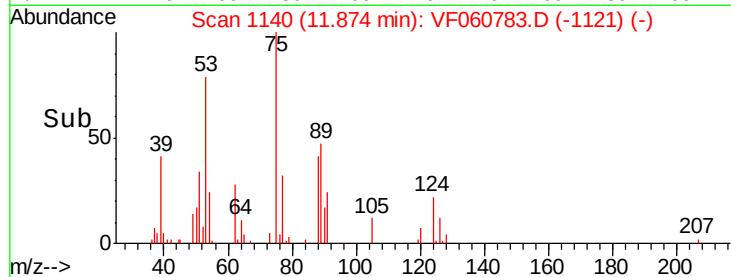
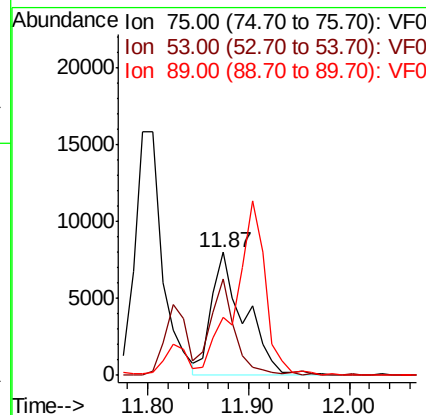
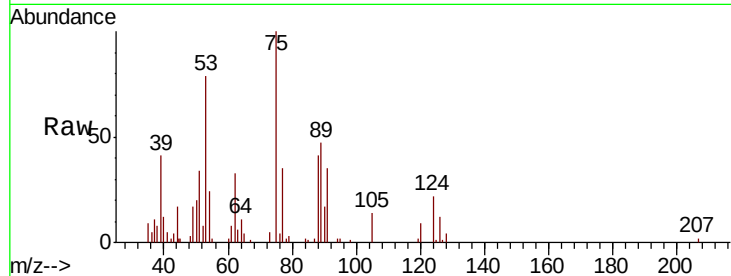
Tot Ion: 75 Resp: 18422

Ion Ratio Lower Upper

75 100

53 78.6 57.0 85.4

89 46.8 37.8 56.8



#82

4-Chlorotoluene

Concen: 22.108 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060783.D

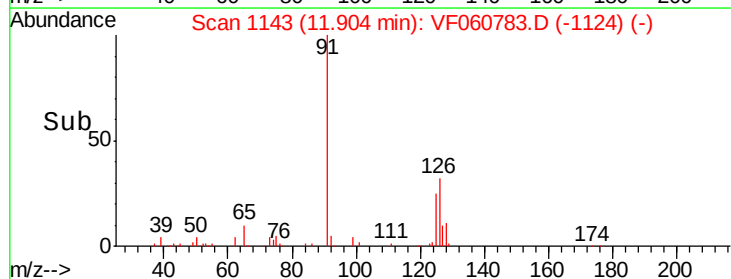
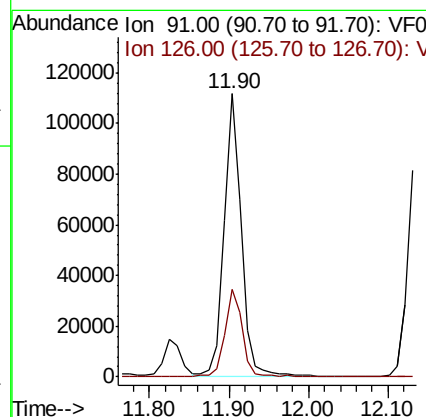
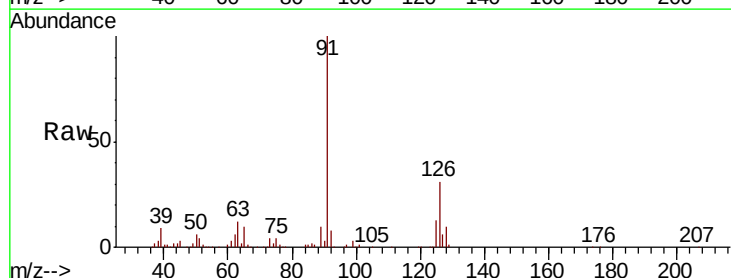
Acq: 19 Nov 2018 18:06

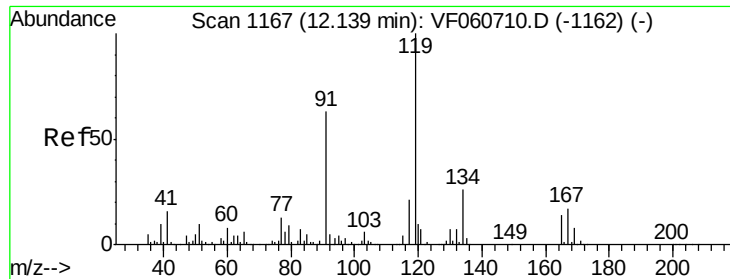
Tgt Ion: 91 Resp: 169222

Ion Ratio Lower Upper

91 100

126 30.7 16.0 47.9

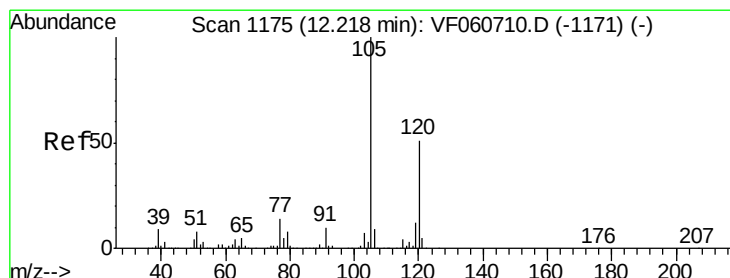
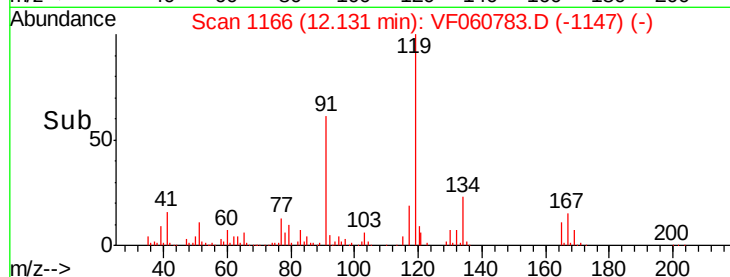
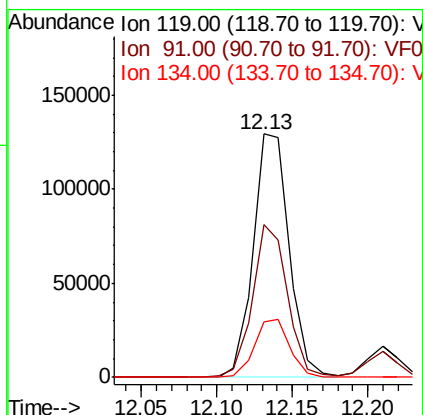
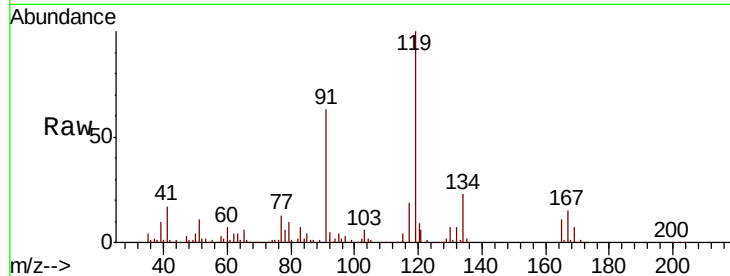




#83
 tert-Butylbenzene
 Concen: 23.191 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

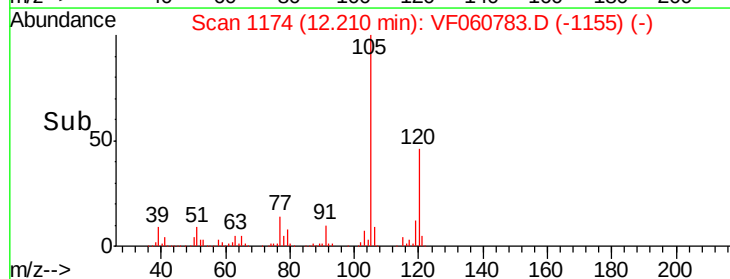
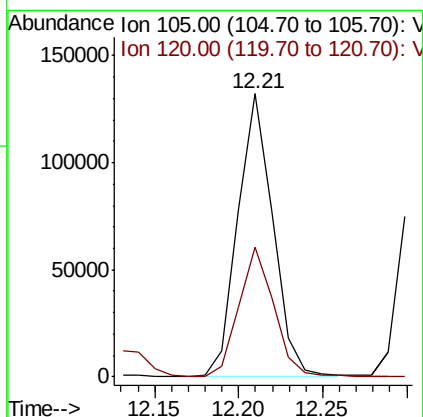
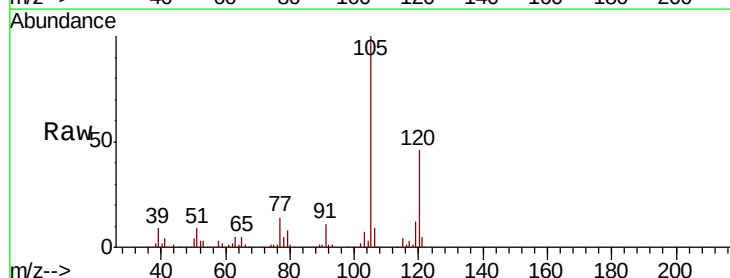
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

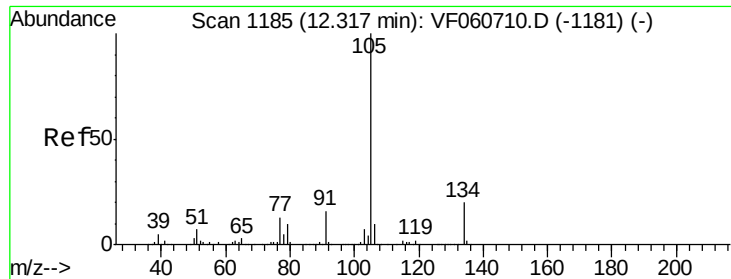
Tot Ion:119 Resp: 215479
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.4 94.3
 134 22.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.203 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion:105 Resp: 191899
 Ion Ratio Lower Upper
 105 100
 120 46.0 25.5 76.5

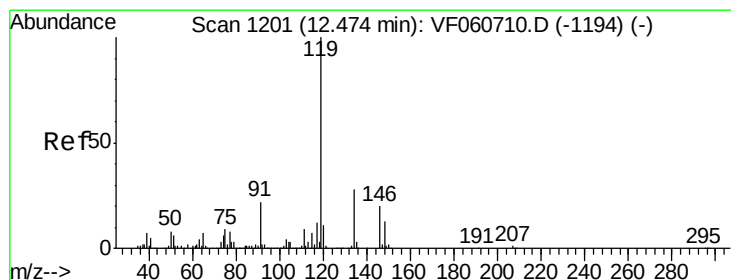
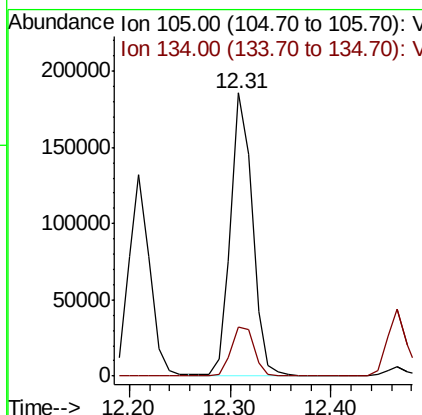
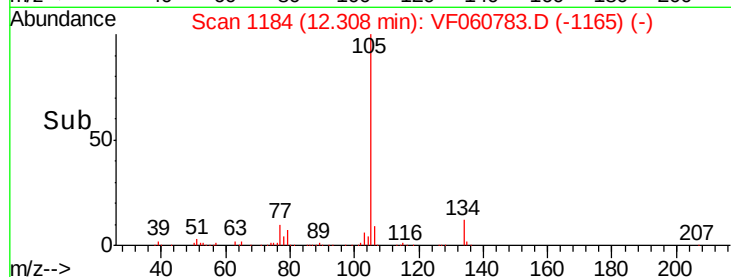
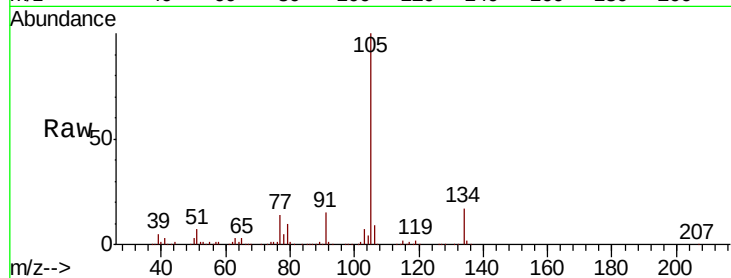




#85
 sec-Butylbenzene
 Concen: 22.115 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

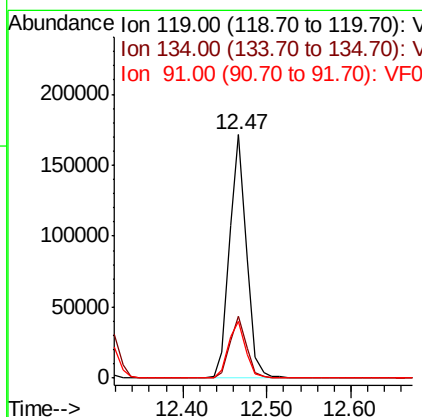
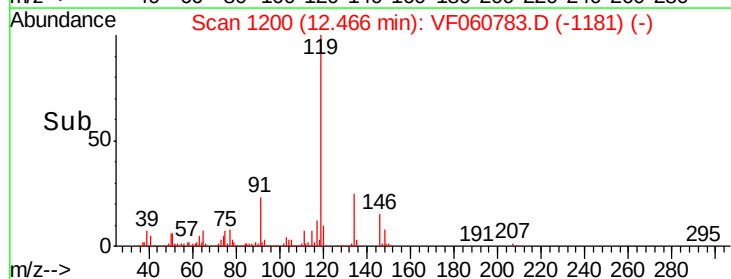
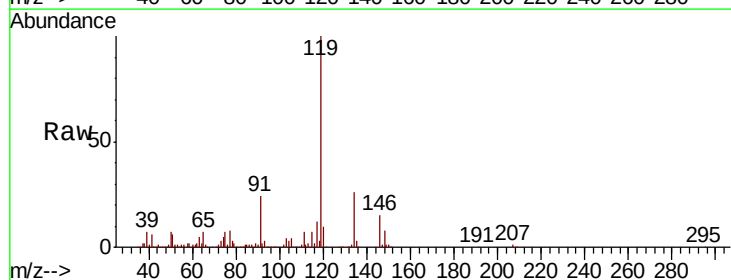
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

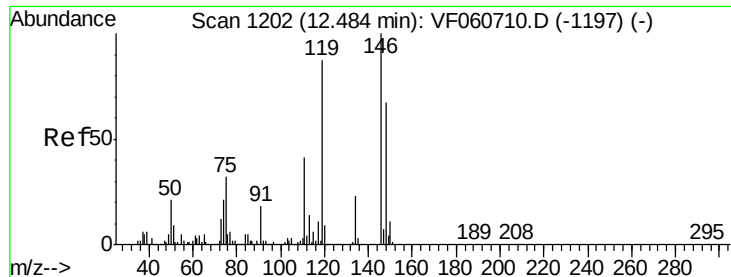
Tot Ion:105 Resp: 278737
 Ion Ratio Lower Upper
 105 100
 134 17.5 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 22.805 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion:119 Resp: 240064
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.9 41.7
 91 23.5 11.3 33.9

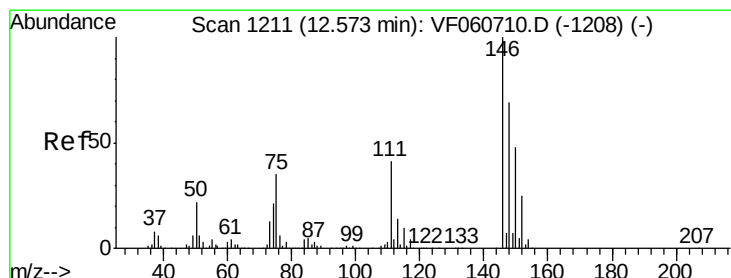
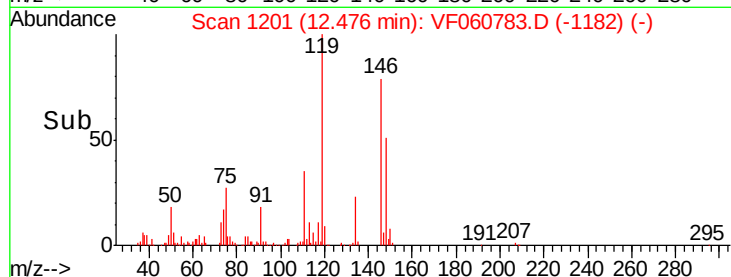
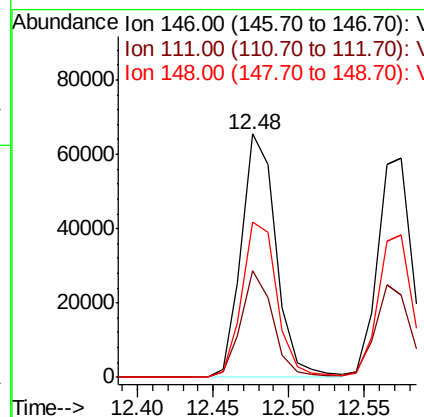
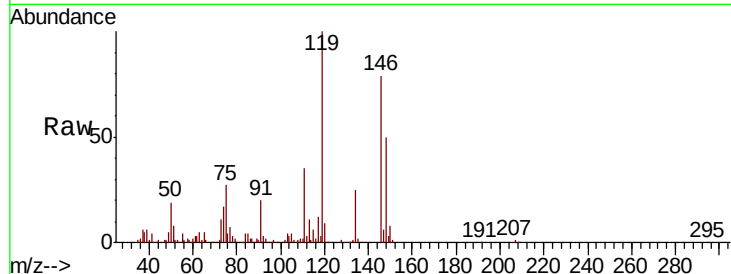




#87
 1,3-Dichlorobenzene
 Concen: 22.935 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

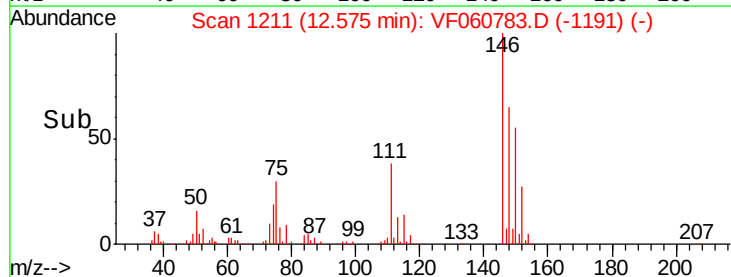
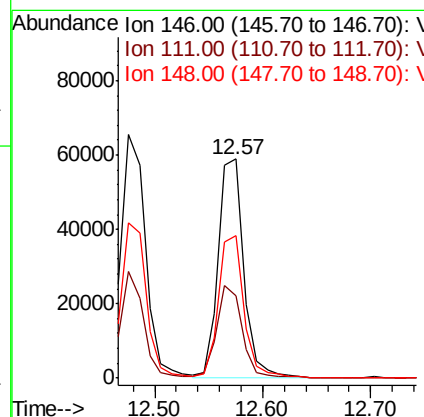
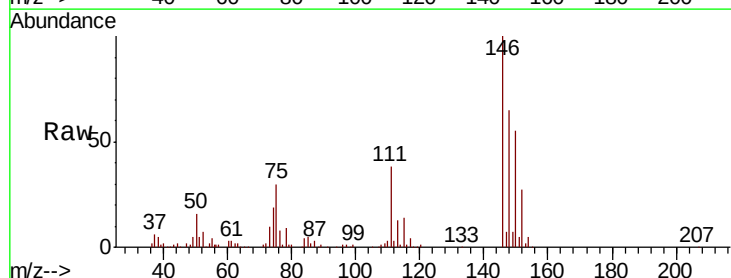
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

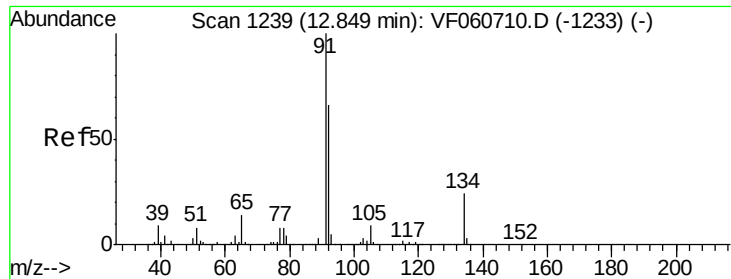
Tot Ion:146 Resp: 104721
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.3 60.8
 148 63.9 33.3 99.9



#88
 1,4-Dichlorobenzene
 Concen: 22.008 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion:146 Resp: 96580
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.6 61.9
 148 64.9 34.7 104.1





#89

n-Butylbenzene

Concen: 22.480 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF060783.D

Acq: 19 Nov 2018 18:06

Instrument :

MSVOA_F

ClientSampleId :

VF1119SBS01

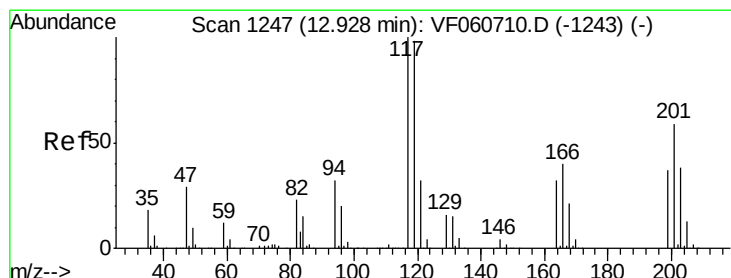
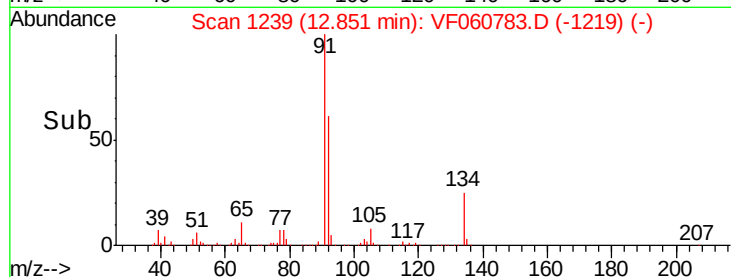
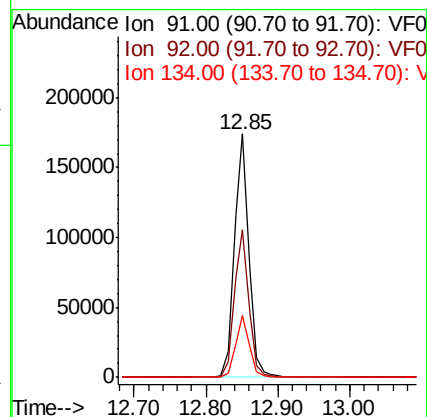
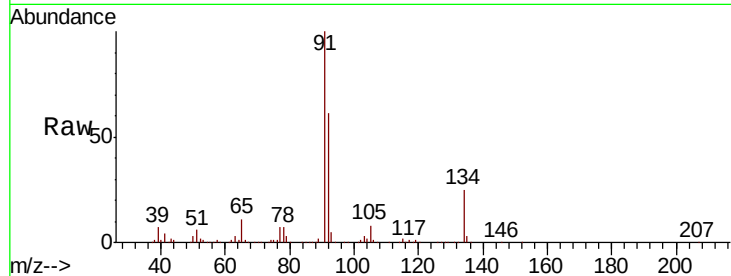
Tot Ion: 91 Resp: 241497

Ion Ratio Lower Upper

91 100

92 60.7 33.1 99.2

134 25.2 11.9 35.9



#90

Hexachloroethane

Concen: 20.884 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VF060783.D

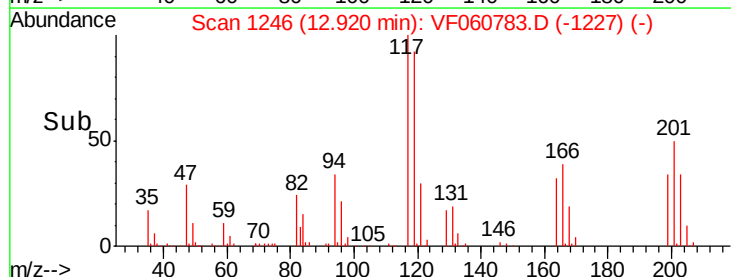
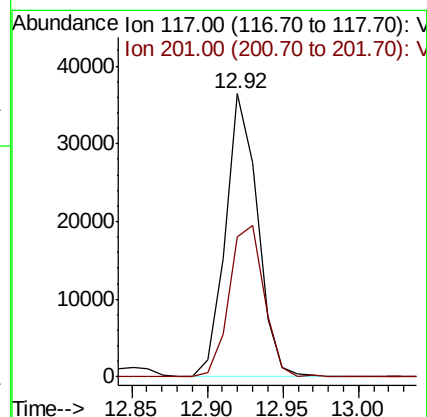
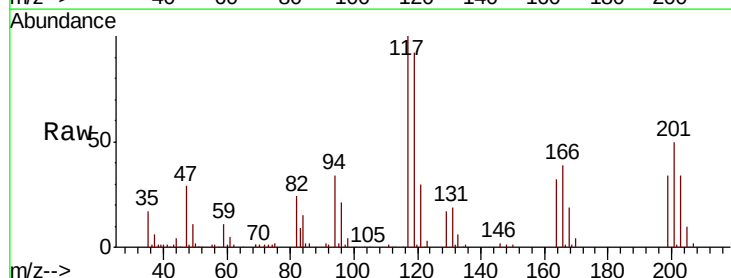
Acq: 19 Nov 2018 18:06

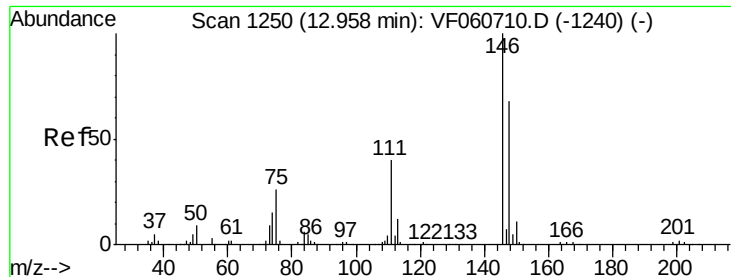
Tgt Ion: 117 Resp: 53772

Ion Ratio Lower Upper

117 100

201 49.6 29.4 88.3

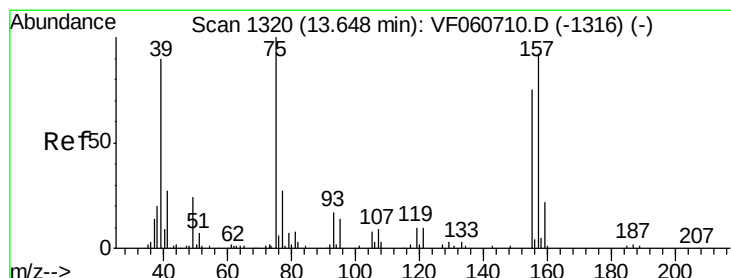
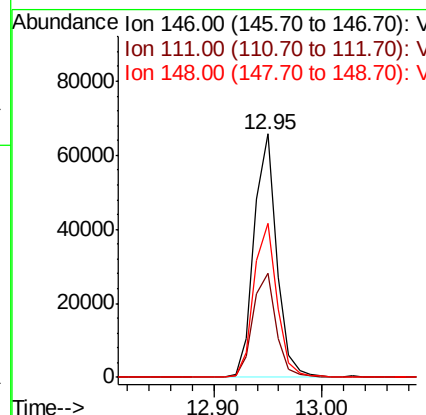
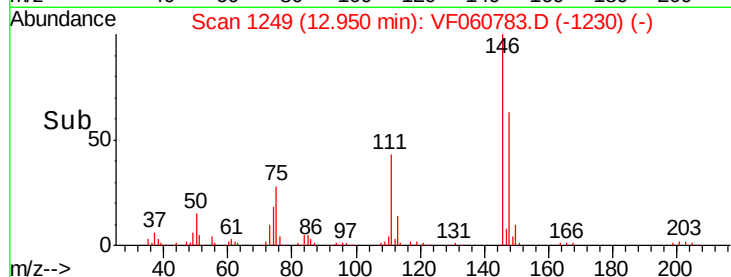
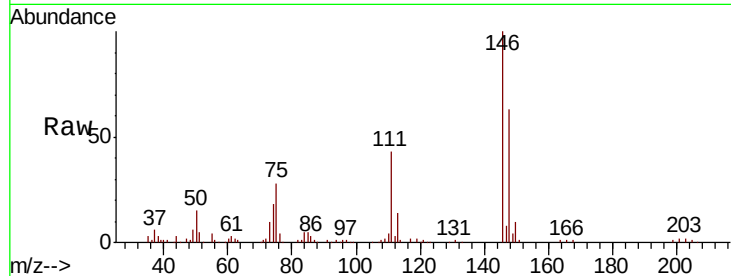




#91
 1,2-Dichlorobenzene
 Concen: 22.354 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

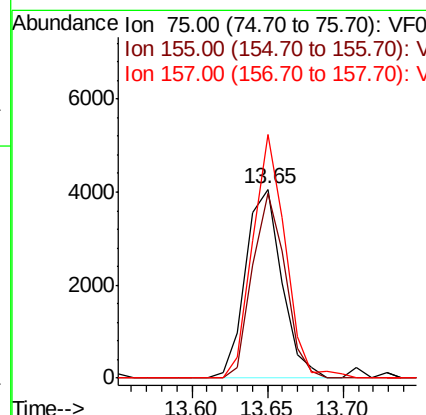
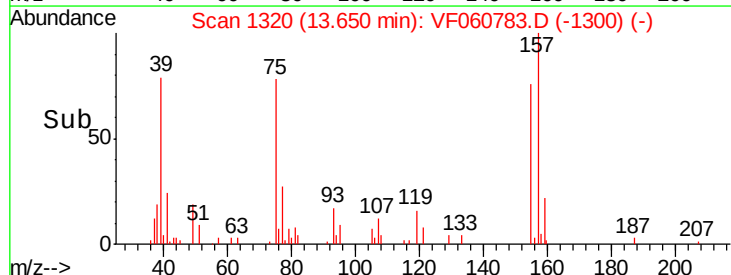
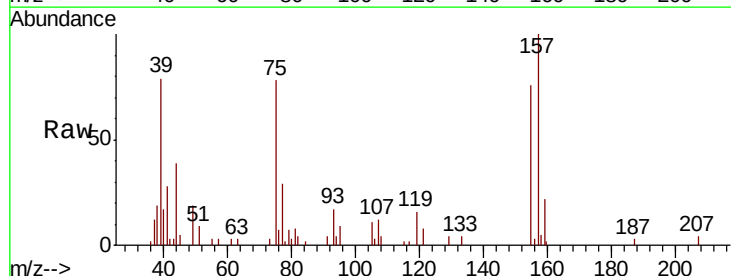
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

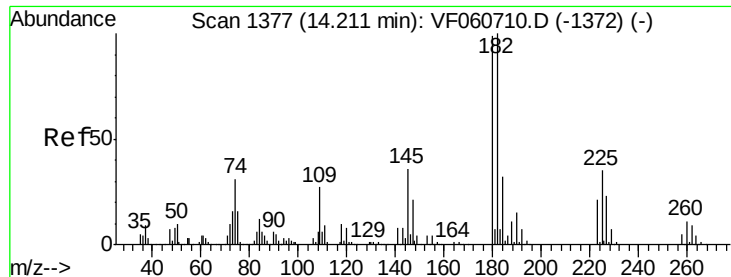
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.8
148	63.3	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.938 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	37.4	112.2
157	128.7	46.0	138.0

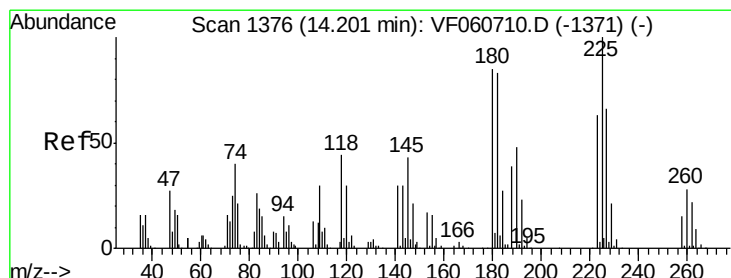
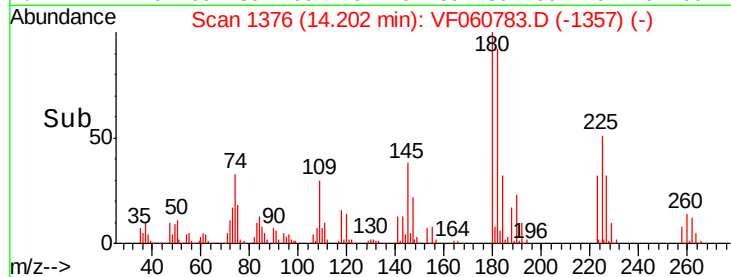
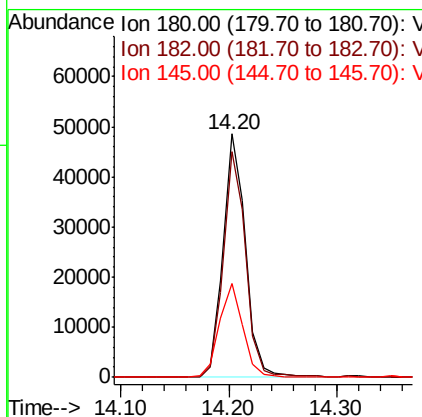
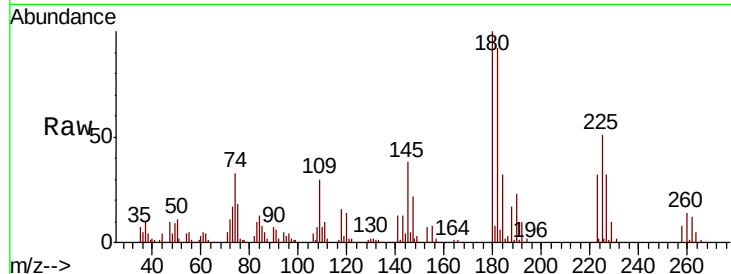




#93
 1,2,4-Trichlorobenzene
 Concen: 22.710 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

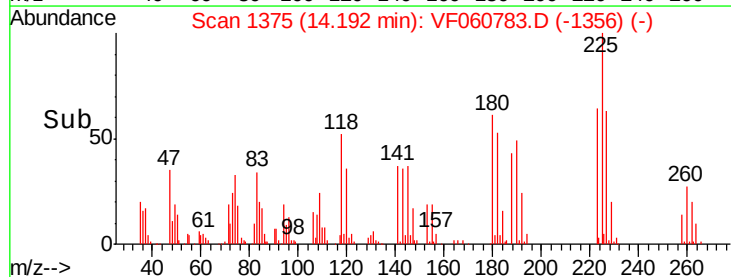
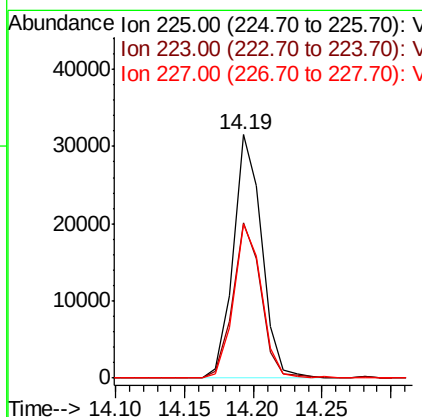
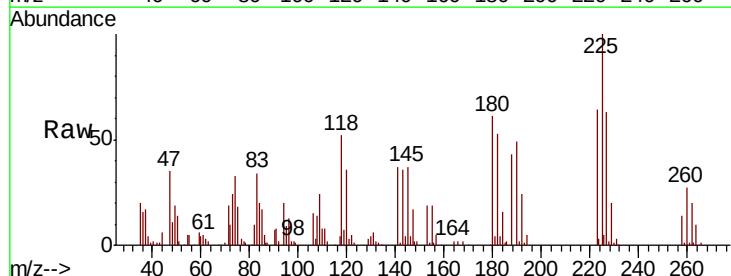
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1119SBS01

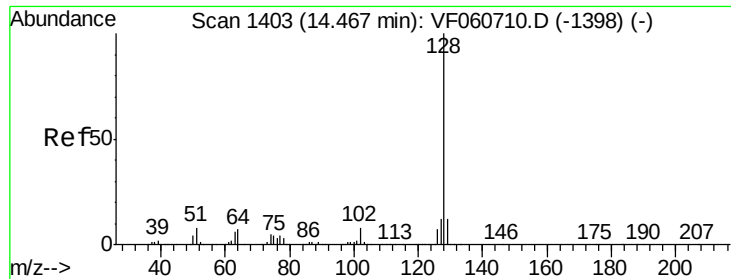
Tot Ion:180 Resp: 70174
 Ion Ratio Lower Upper
 180 100
 182 92.4 50.3 151.0
 145 38.4 18.3 54.9



#94
 Hexachlorobutadiene
 Concen: 22.534 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060783.D
 Acq: 19 Nov 2018 18:06

Tgt Ion:225 Resp: 45501
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.5 94.5
 227 63.2 33.0 99.0

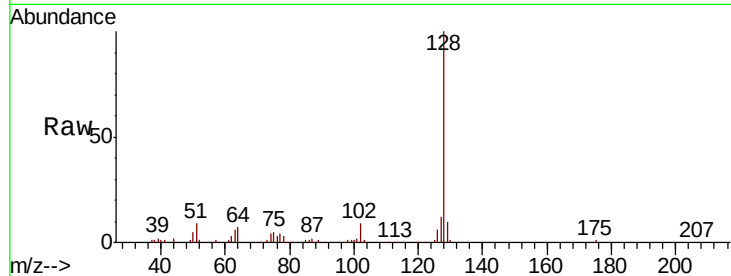




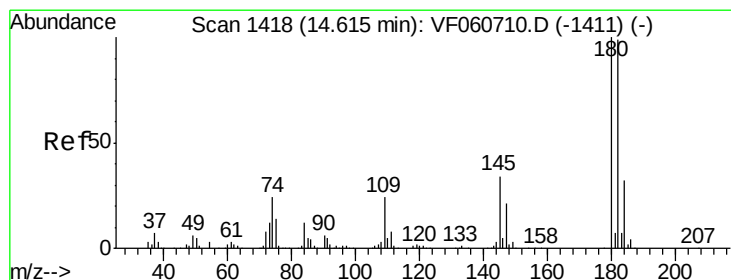
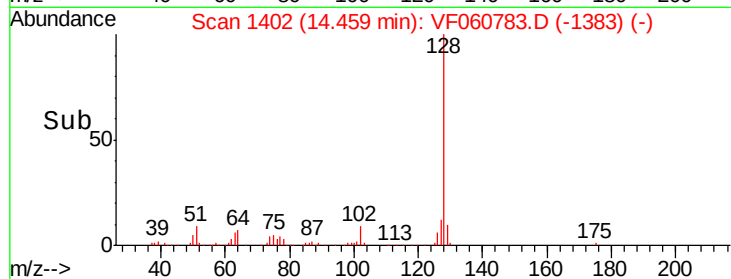
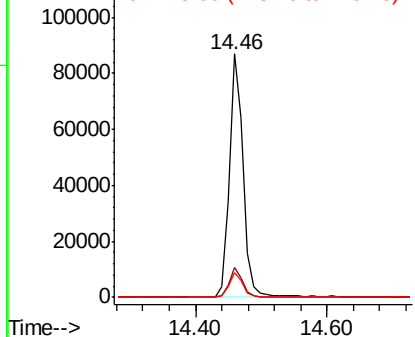
#95
Naphthalene
Concen: 22.678 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Instrument :
MSVOA_F
ClientSampleId :
VF1119SBSD01

Tot Ion:128 Resp: 127864
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 10.1 9.3 13.9

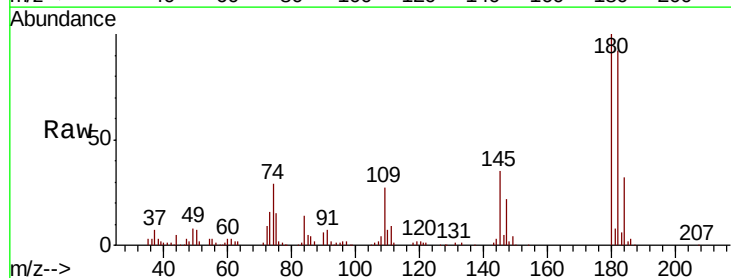


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.199 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060783.D
Acq: 19 Nov 2018 18:06

Tgt Ion:180 Resp: 60530
Ion Ratio Lower Upper
180 100
182 92.4 49.6 149.0
145 34.5 16.9 50.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

