

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060084.D
 Acq On : 24 Aug 2018 7:21
 Operator : VA/AP
 Sample : J4581-11MS
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 24 08:48:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	146090	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	238672	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	259358	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	155321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	123276	61.66	ug/l	-0.02
Spiked Amount			Recovery	=	123.32%	
35) Dibromofluoromethane	4.28	113	107214	57.21	ug/l	-0.02
Spiked Amount			Recovery	=	114.42%	
50) Toluene-d8	7.71	98	280307	52.66	ug/l	-0.02
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.51	95	158376	56.25	ug/l	0.00
Spiked Amount			Recovery	=	112.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	104570	54.37	ug/l	96
3) Chloromethane	1.07	50	66445	53.48	ug/l	96
4) Vinyl Chloride	1.12	62	52972	44.36	ug/l	92
5) Bromomethane	1.32	94	36535	40.26	ug/l	98
6) Chloroethane	1.39	64	27616	58.67	ug/l	90
7) Trichlorofluoromethane	1.49	101	171128	71.26	ug/l	99
8) Diethyl Ether	1.70	74	21964	51.16	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.86	101	70219	55.71	ug/l	97
10) Methyl Iodide	1.93	142	79201	47.52	ug/l	91
11) Tert butyl alcohol	2.67	59	26812	252.07	ug/l #	76
12) 1,1-Dichloroethene	1.82	96	46461	50.03	ug/l	83
13) Acrolein	2.08	56	1285	44.02	ug/l	93
14) Allyl chloride	2.19	41	79500	48.20	ug/l	84
15) Acrylonitrile	3.06	53	48408	230.62	ug/l	94
16) Acetone	2.33	43	123174	234.40	ug/l	100
17) Carbon Disulfide	1.84	76	123241	42.39	ug/l	96
18) Methyl Acetate	2.44	43	87429	101.64	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	157674	52.99	ug/l	99
20) Methylene Chloride	2.27	84	57831	56.55	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	45802	44.08	ug/l	98
22) Diisopropyl ether	2.91	45	168278	45.56	ug/l	97
23) Vinyl Acetate	3.33	43	153385	78.40	ug/l	97
24) 1,1-Dichloroethane	2.99	63	122511	53.70	ug/l	100
25) 2-Butanone	4.50	43	172822	253.19	ug/l	96
26) 2,2-Dichloropropane	3.75	77	104657	44.34	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	83139	56.46	ug/l	97
28) Bromochloromethane	3.89	49	52058	54.04	ug/l	94
29) Tetrahydrofuran	4.25	42	66333	257.40	ug/l	95
30) Chloroform	4.03	83	193024	60.27	ug/l	96
31) Cyclohexane	3.85	56	83608	48.09	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	166971	60.88	ug/l	99
36) 1,1-Dichloropropene	4.45	75	105242	46.92	ug/l	98
37) Ethyl Acetate	4.28	43	49383	36.82	ug/l	83
38) Carbon Tetrachloride	4.17	117	143292	55.17	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060084.D
 Acq On : 24 Aug 2018 7:21
 Operator : VA/AP
 Sample : J4581-11MS
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 24 08:48:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	92837	44.14	ug/l	88
40) Benzene	4.81	78	243633	49.73	ug/l	99
41) Methacrylonitrile	4.92	41	31765	46.82	ug/l #	93
42) 1,2-Dichloroethane	5.11	62	143528	54.63	ug/l	100
43) Isopropyl Acetate	7.10	43	55350	32.78	ug/l #	97
44) Trichloroethene	5.67	130	84248	52.01	ug/l	90
45) 1,2-Dichloropropane	6.39	63	76321	55.07	ug/l	98
46) Dibromomethane	6.25	93	64116	59.12	ug/l	96
47) Bromodichloromethane	6.54	83	146830	56.06	ug/l	96
48) Methyl methacrylate	6.87	41	69513	62.22	ug/l	97
49) 1,4-Dioxane	6.86	88	9667	901.39	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	403894	277.03	ug/l	99
52) Toluene	7.77	92	183883	59.25	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	122522	51.58	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	134608	50.78	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	78496	59.37	ug/l	94
56) Ethyl methacrylate	8.76	69	61919	38.69	ug/l	96
57) 1,3-Dichloropropane	9.00	76	129712	55.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	33858	266.56	ug/l	100
59) 2-Hexanone	9.63	43	321536	272.49	ug/l	94
60) Dibromochloromethane	8.86	129	111772	57.27	ug/l	96
61) 1,2-Dibromoethane	9.13	107	86048	55.42	ug/l	96
64) Tetrachloroethene	8.30	164	96441	55.20	ug/l	96
65) Chlorobenzene	9.93	112	247697	50.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	96761	52.09	ug/l	99
67) Ethyl Benzene	10.04	91	428144	50.67	ug/l	98
68) m/p-Xylenes	10.27	106	312168	114.62	ug/l	96
69) o-Xylene	10.83	106	168268	50.82	ug/l	99
70) Styrene	10.90	104	202926	39.95	ug/l	97
71) Bromoform	10.89	173	71665	55.30	ug/l #	98
73) Isopropylbenzene	11.22	105	503425	53.85	ug/l	99
74) N-amyl acetate	11.46	43	86834	29.88	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.79	83	123046	60.26	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	93379	58.97	ug/l	97
77) Bromobenzene	11.59	156	132082	51.95	ug/l	88
78) n-propylbenzene	11.69	91	612029	53.04	ug/l	100
79) 2-Chlorotoluene	11.81	91	343763	50.66	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	413573	50.77	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	50098	69.15	ug/l	95
82) 4-Chlorotoluene	11.98	91	378016	51.31	ug/l	93
83) tert-Butylbenzene	12.21	119	398447	50.15	ug/l	90
84) 1,2,4-Trimethylbenzene	12.29	105	439747	50.78	ug/l	99
85) sec-Butylbenzene	12.39	105	570396	51.57	ug/l	98
86) p-Isopropyltoluene	12.54	119	458425	49.96	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	232155	49.38	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	232132	49.68	ug/l	97
89) n-Butylbenzene	12.92	91	450150	50.50	ug/l	100
90) Hexachloroethane	12.99	117	111569	54.11	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	240979	53.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25359	60.78	ug/l	72

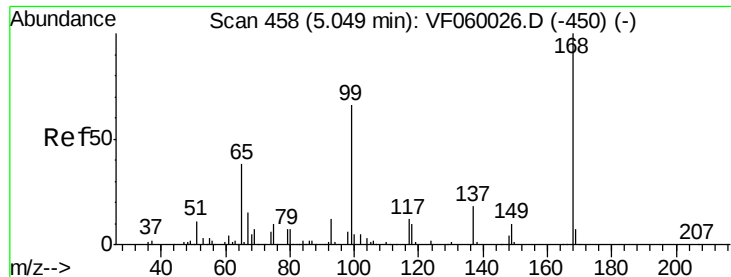
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
Data File : VF060084.D
Acq On : 24 Aug 2018 7:21
Operator : VA/AP
Sample : J4581-11MS
Misc : 5.98g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 24 08:48:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	162322	48.75	ug/l	98
94) Hexachlorobutadiene	14.25	225	96223	46.43	ug/l	98
95) Naphthalene	14.53	128	264824	46.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	158475	49.89	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

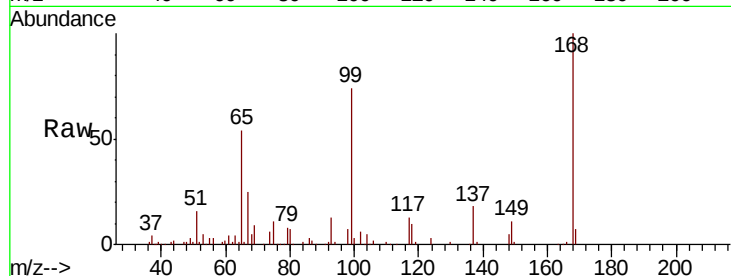
ClientSampleId :

Tot Ion:168 Resp: 146090

Ion Ratio Lower Upper

168 100

99 74.3 52.6 79.0

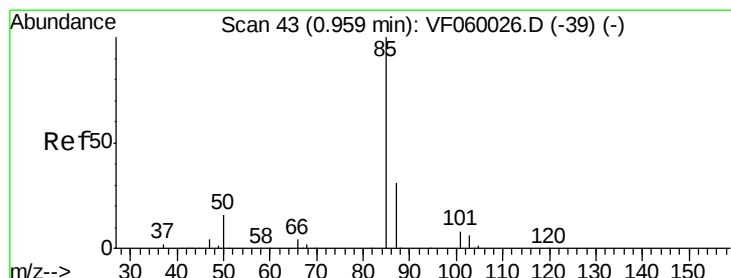
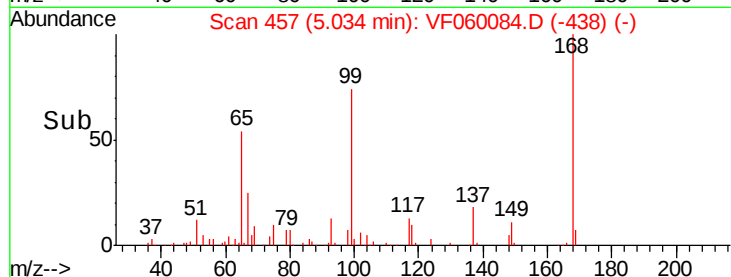


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

Time-->



#2

Dichlorodifluoromethane

Concen: 54.37 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060084.D

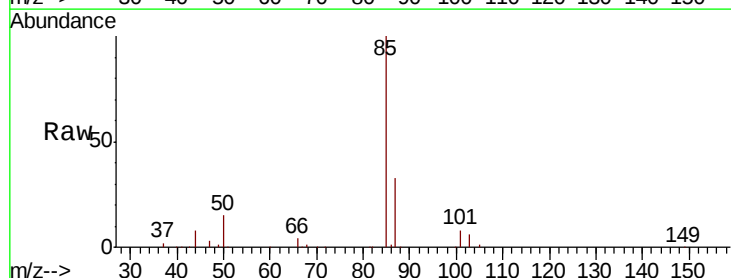
Acq: 24 Aug 2018 7:21

Tgt Ion: 85 Resp: 104570

Ion Ratio Lower Upper

85 100

87 32.5 15.3 45.9

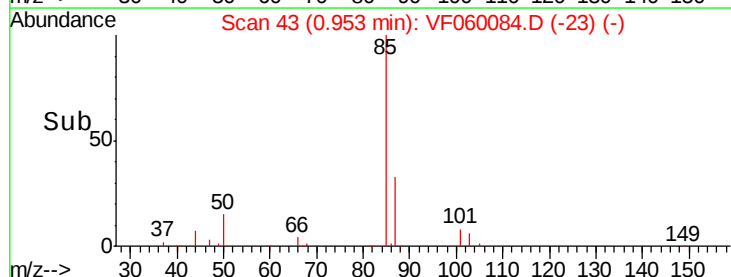


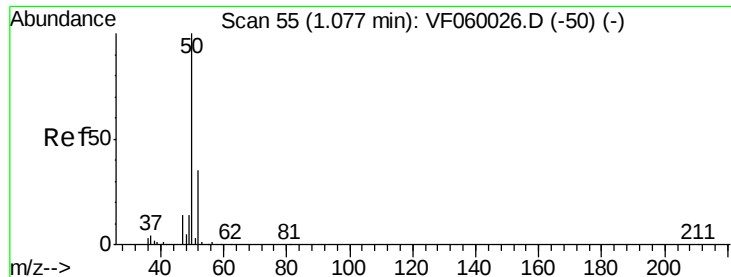
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

Time-->





#3

Chloromethane

Concen: 53.48 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

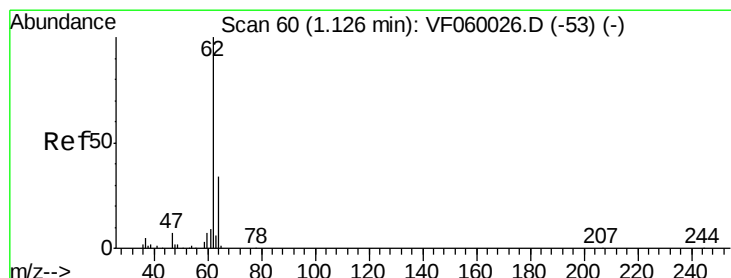
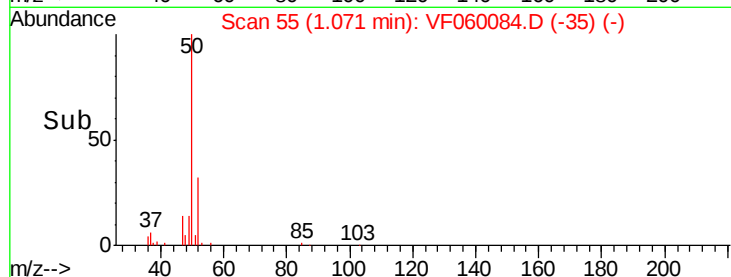
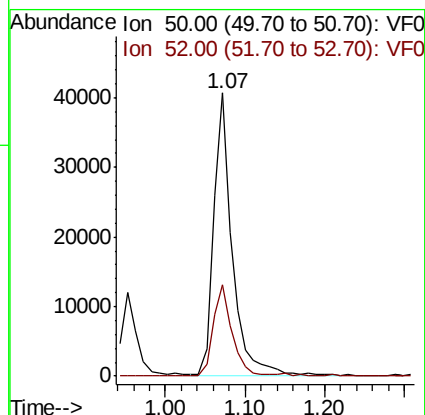
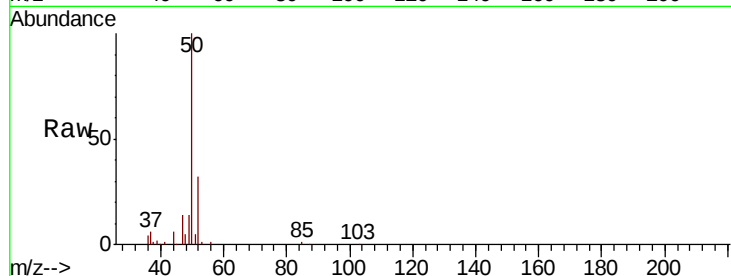
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 66445

Ion Ratio Lower Upper

50 100

52 32.5 27.6 41.4



#4

Vinyl Chloride

Concen: 44.36 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060084.D

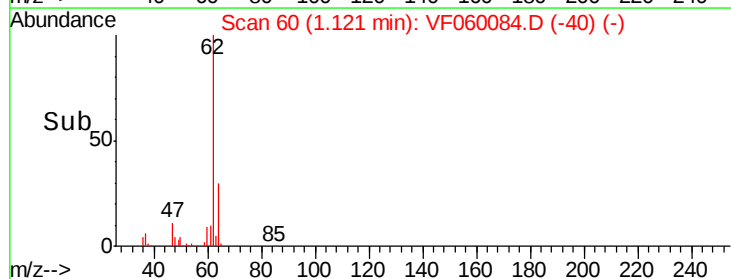
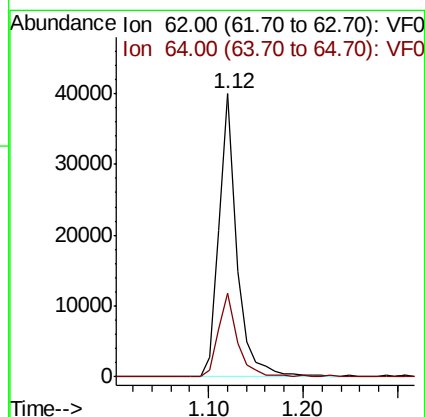
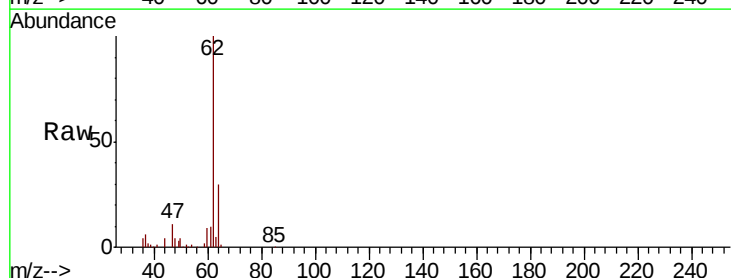
Acq: 24 Aug 2018 7:21

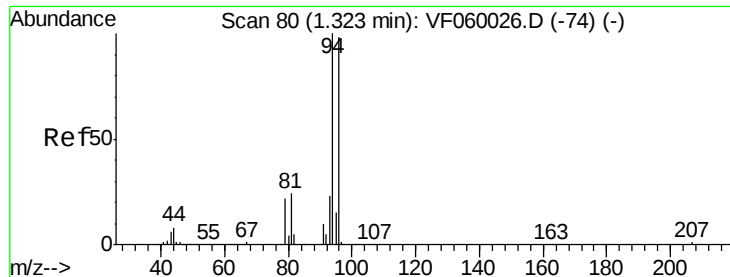
Tgt Ion: 62 Resp: 52972

Ion Ratio Lower Upper

62 100

64 29.5 27.4 41.2





#5

Bromomethane

Concen: 40.26 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

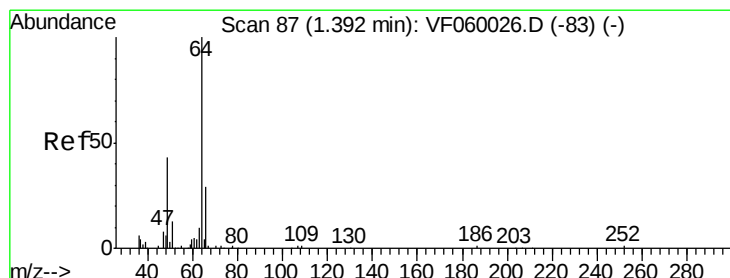
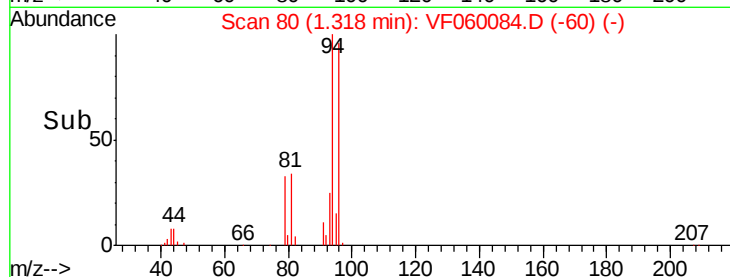
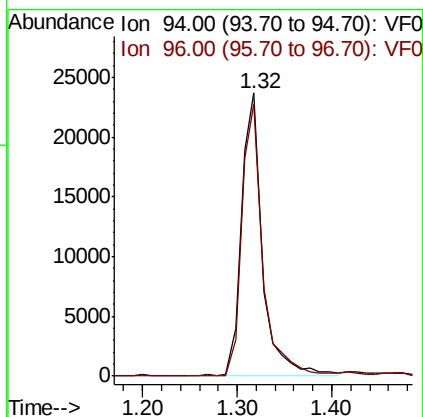
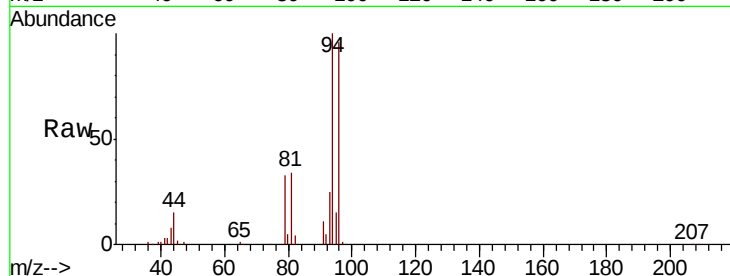
ClientSampleId :

Tot Ion: 94 Resp: 36535

Ion Ratio Lower Upper

94 100

96 96.2 78.6 118.0



#6

Chloroethane

Concen: 58.67 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060084.D

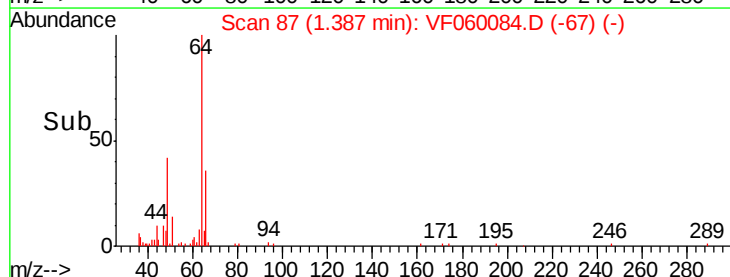
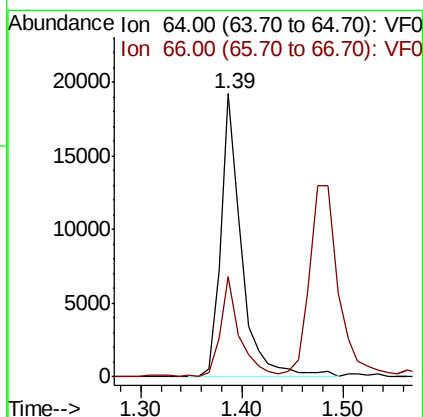
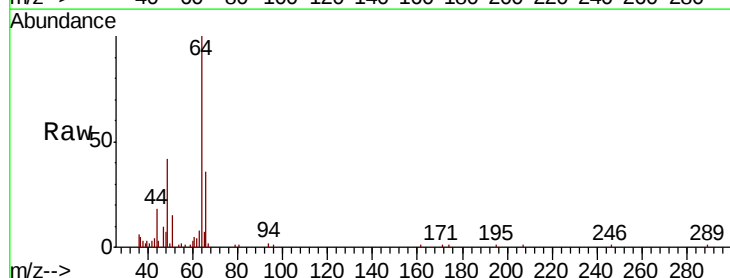
Acq: 24 Aug 2018 7:21

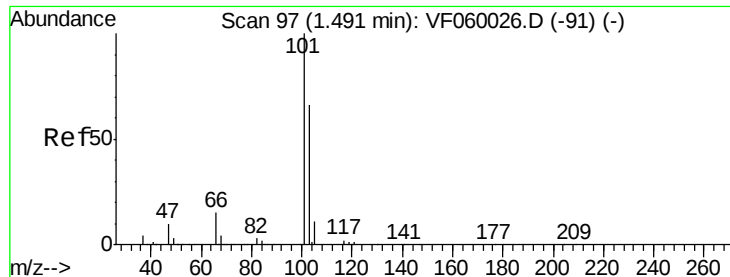
Tgt Ion: 64 Resp: 27616

Ion Ratio Lower Upper

64 100

66 35.6 24.1 36.1





#7

Trichlorofluoromethane

Concen: 71.26 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

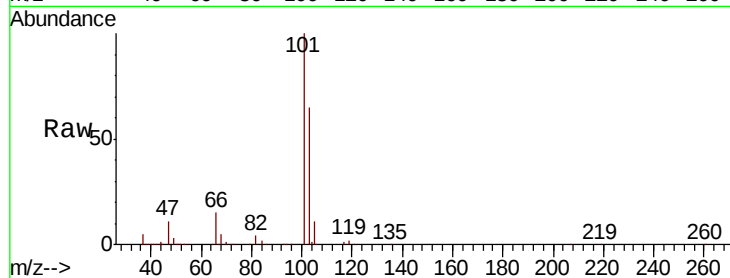
ClientSampleId :

Tot Ion:101 Resp: 171128

Ion Ratio Lower Upper

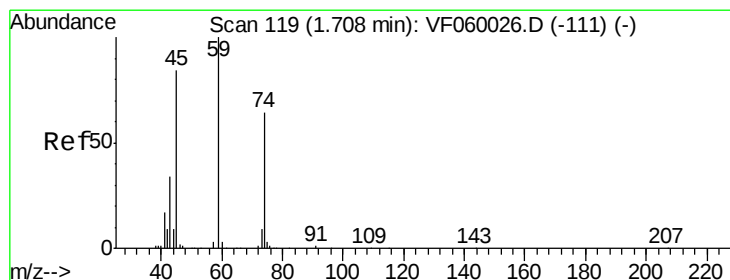
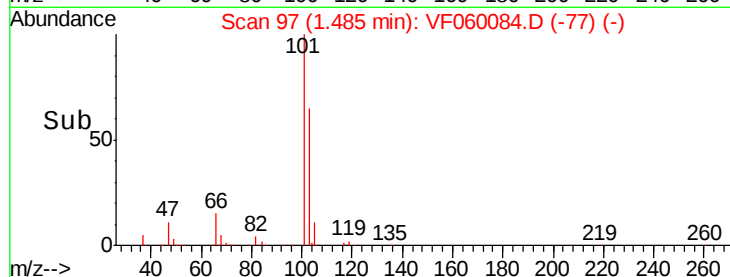
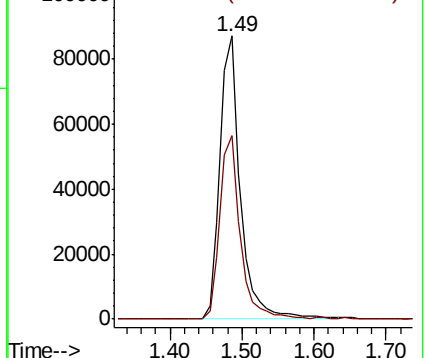
101 100

103 65.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.16 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060084.D

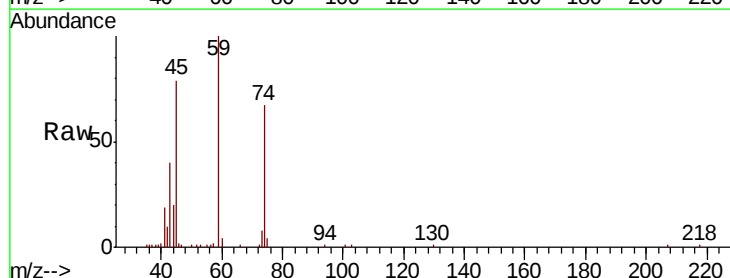
Acq: 24 Aug 2018 7:21

Tgt Ion: 74 Resp: 21964

Ion Ratio Lower Upper

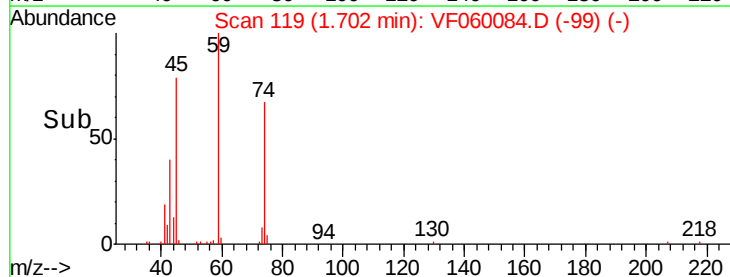
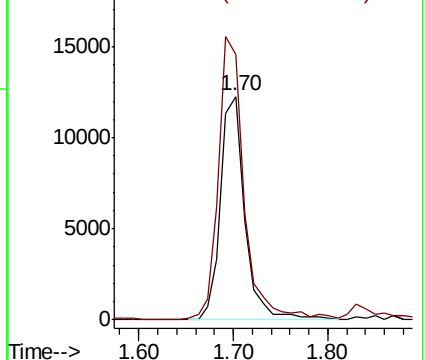
74 100

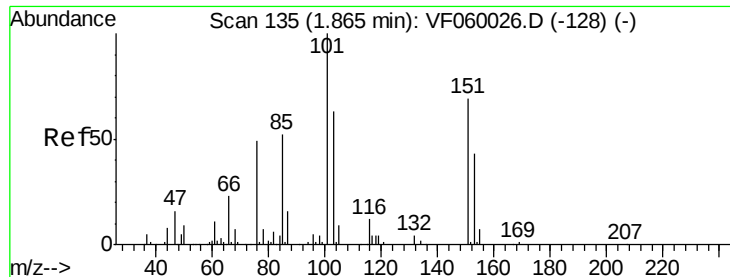
45 119.0 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.71 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampled :

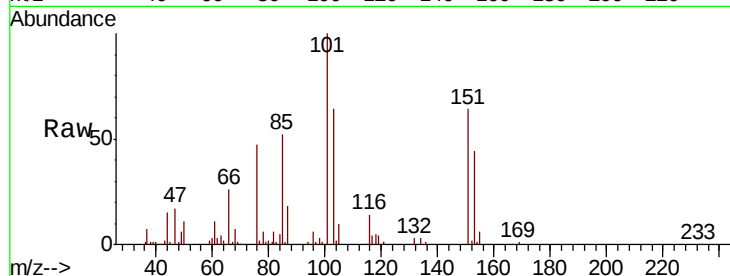
Tot Ion:101 Resp: 70219

Ion Ratio Lower Upper

101 100

85 51.8 41.5 62.3

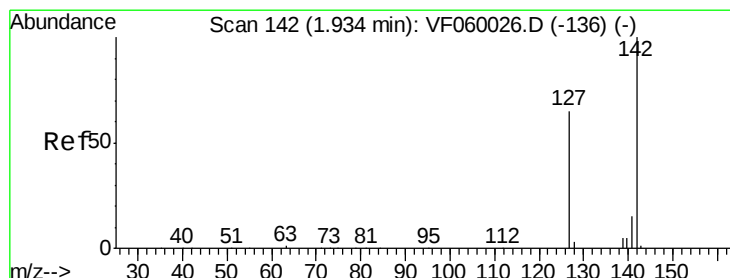
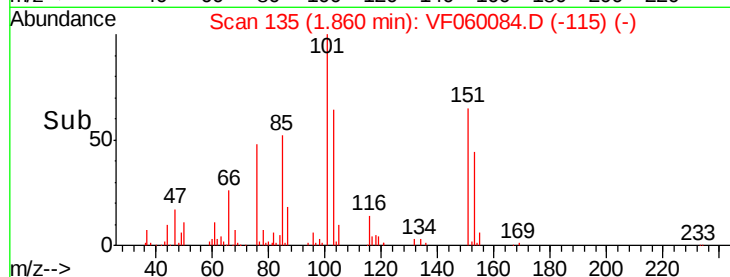
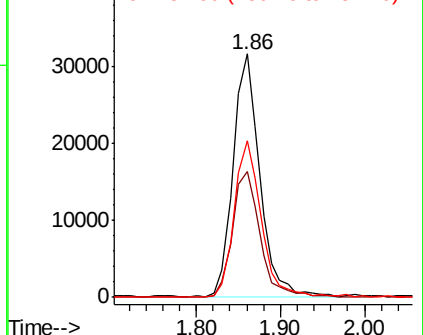
151 64.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.52 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

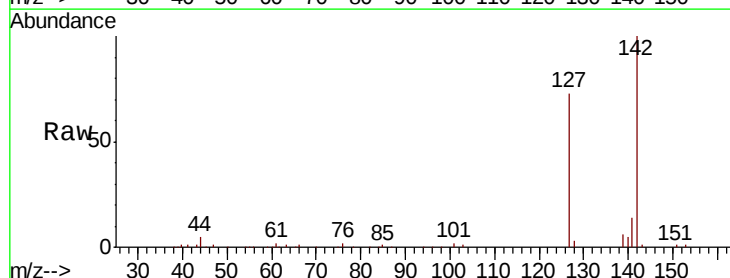
Tgt Ion:142 Resp: 79201

Ion Ratio Lower Upper

142 100

127 73.0 51.8 77.6

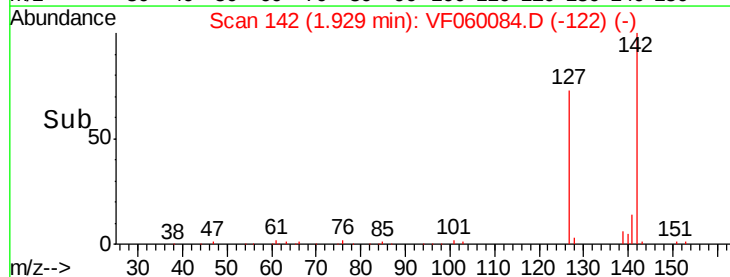
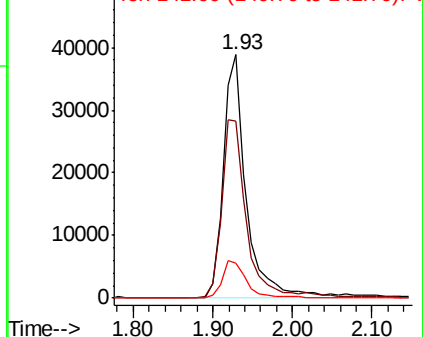
141 14.2 11.9 17.9

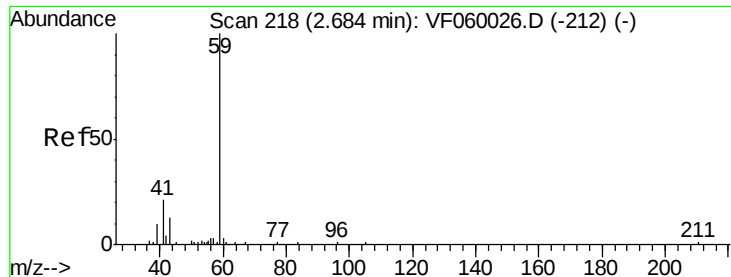


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



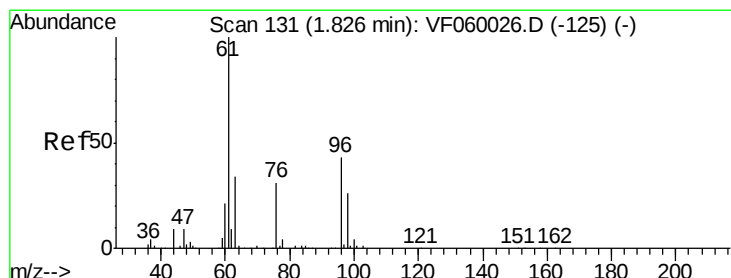
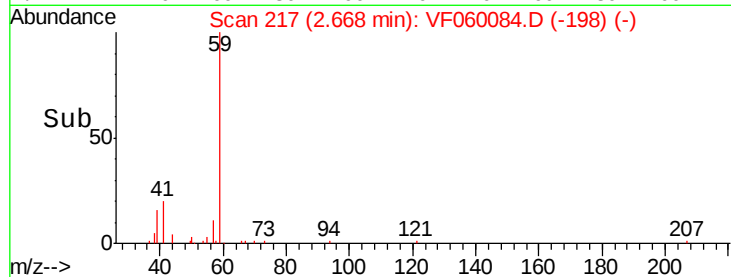
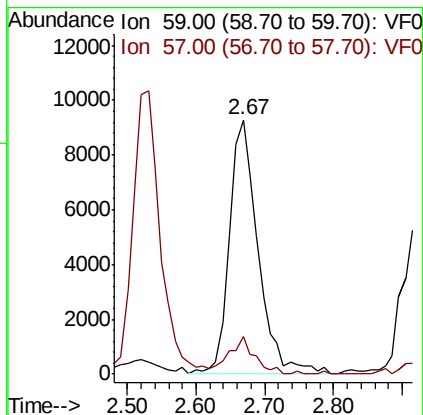
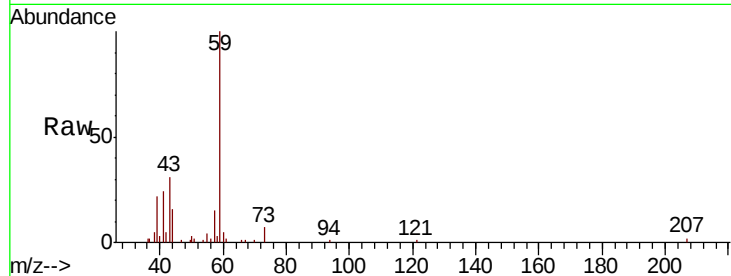


#11

Tert butyl alcohol
Concen: 252.07 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampled :

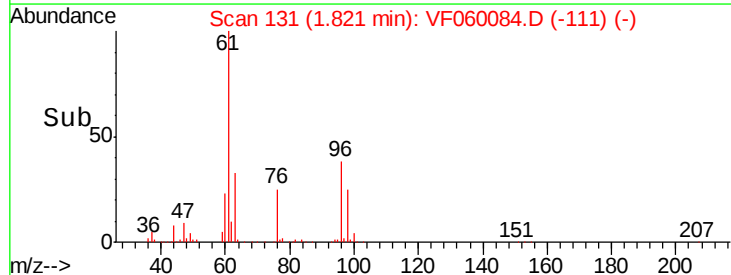
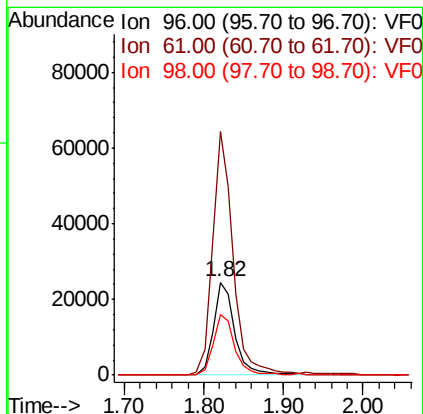
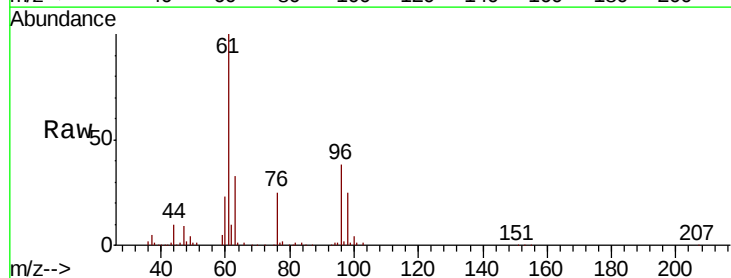
Tot Ion: 59 Resp: 26812
Ion Ratio Lower Upper
59 100
57 15.0 5.4 8.2#

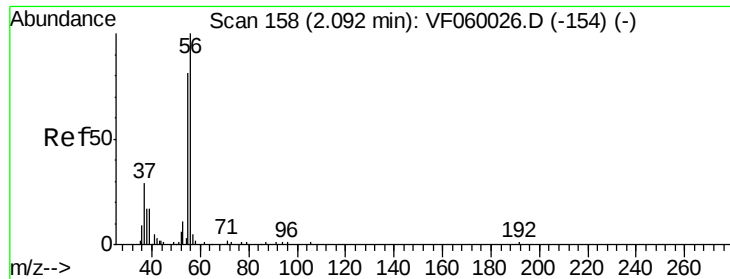


#12

1,1-Dichloroethene
Concen: 50.03 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 96 Resp: 46461
Ion Ratio Lower Upper
96 100
61 262.5 185.0 277.6
98 65.7 47.8 71.8

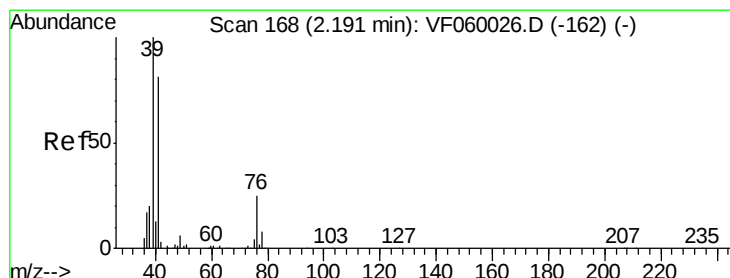
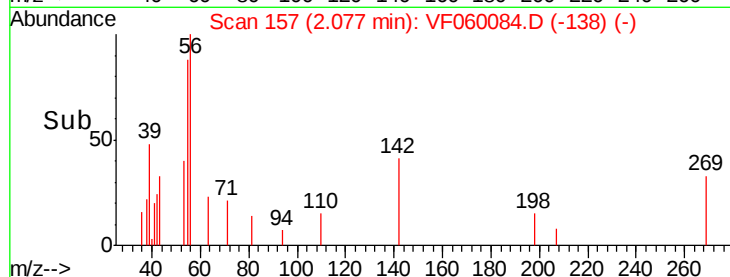
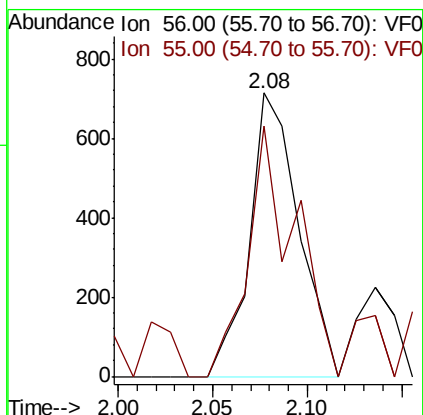
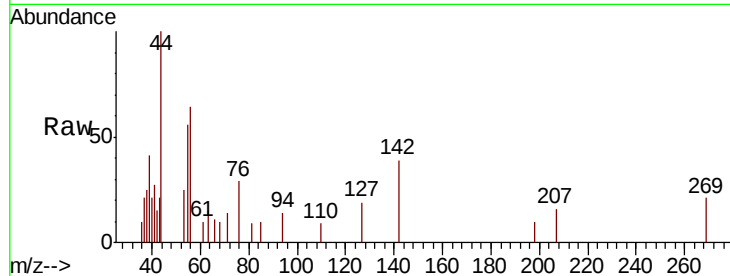




#13
Acrolein
Concen: 44.02 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

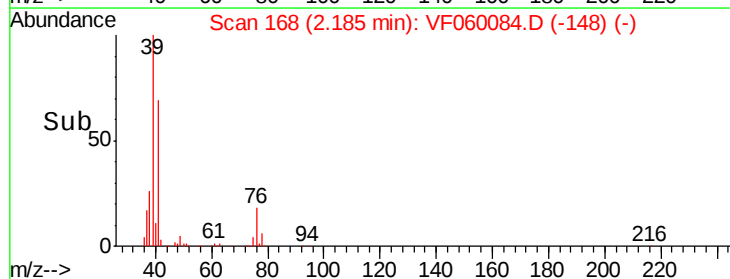
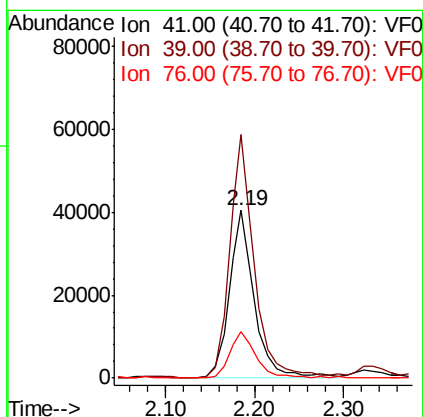
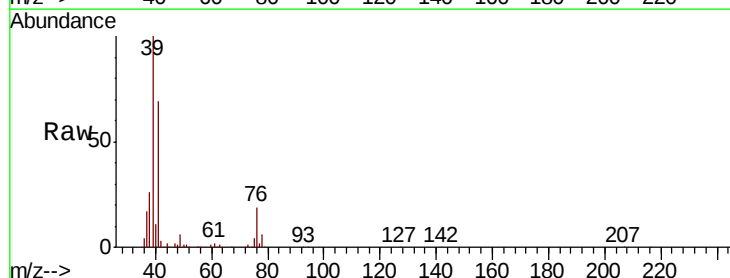
Instrument :
MSVOA_F
ClientSampled :

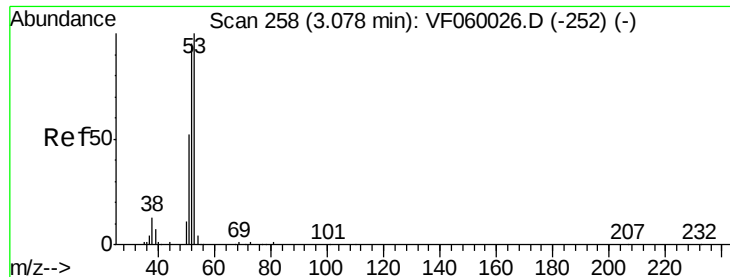
Tot Ion: 56 Resp: 1285
Ion Ratio Lower Upper
56 100
55 88.4 65.6 98.4



#14
Allyl chloride
Concen: 48.20 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 41 Resp: 79500
Ion Ratio Lower Upper
41 100
39 145.3 99.3 148.9
76 28.1 24.3 36.5





#15

Acrylonitrile

Concen: 230.62 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

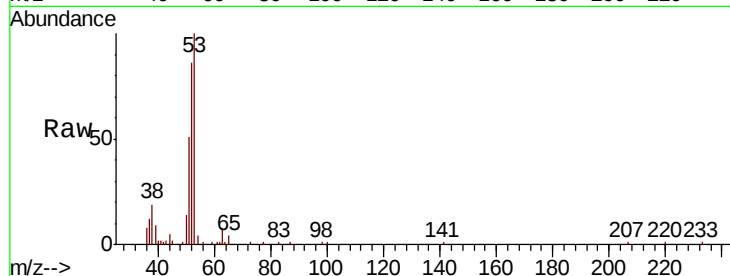
Tot Ion: 53 Resp: 48408

Ion Ratio Lower Upper

53 100

52 86.3 75.8 113.8

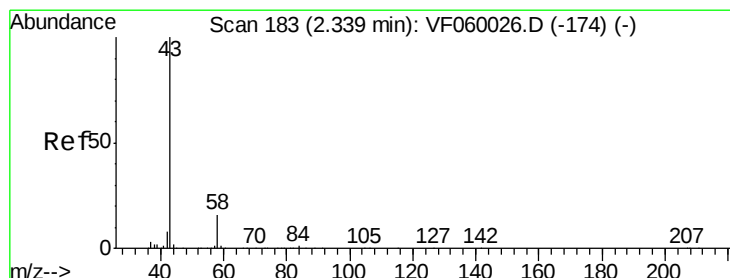
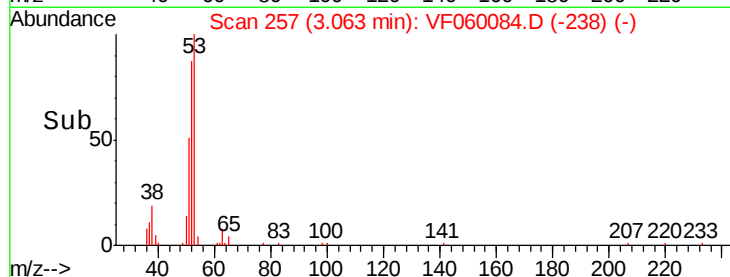
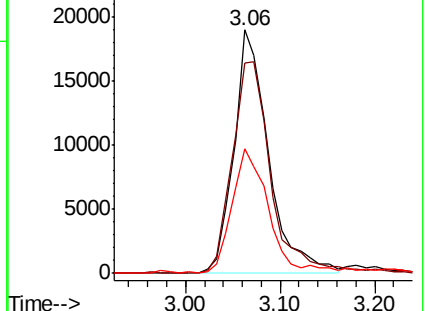
51 51.0 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 234.40 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060084.D

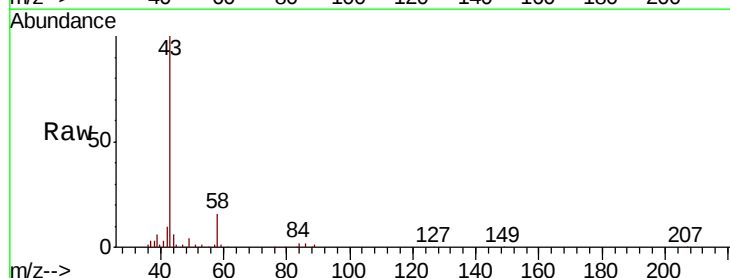
Acq: 24 Aug 2018 7:21

Tgt Ion: 43 Resp: 123174

Ion Ratio Lower Upper

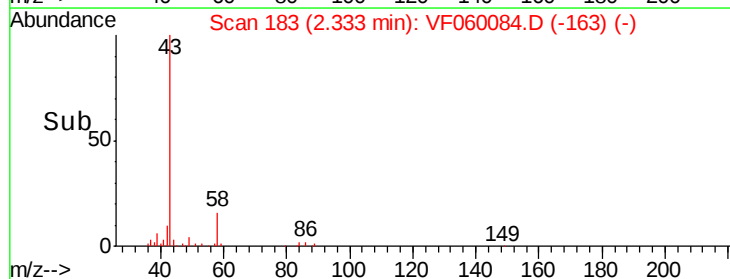
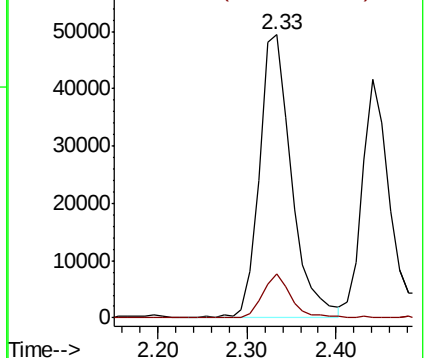
43 100

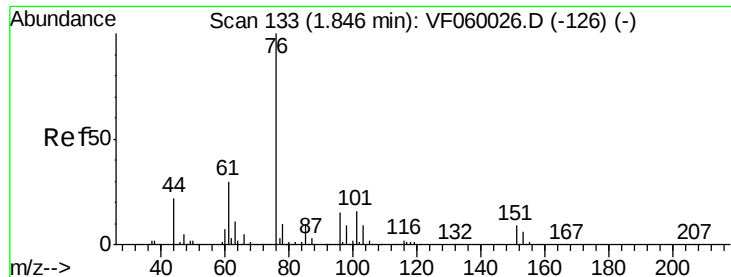
58 15.6 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 42.39 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

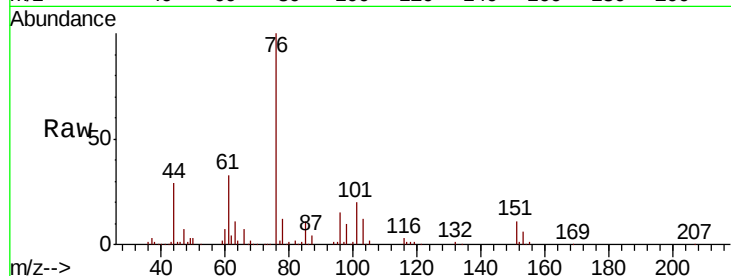
ClientSampleId :

Tot Ion: 76 Resp: 123241

Ion Ratio Lower Upper

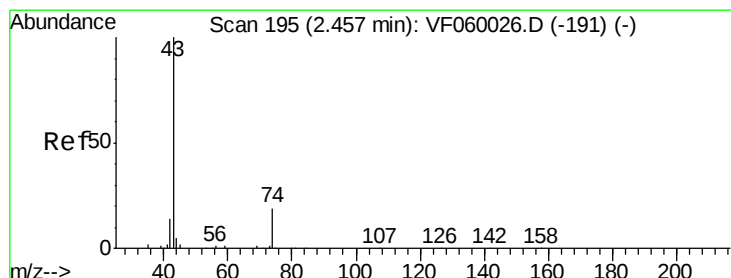
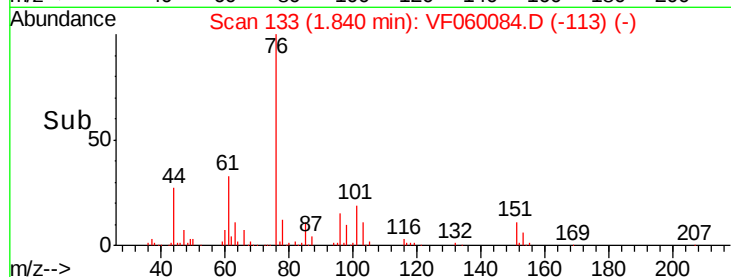
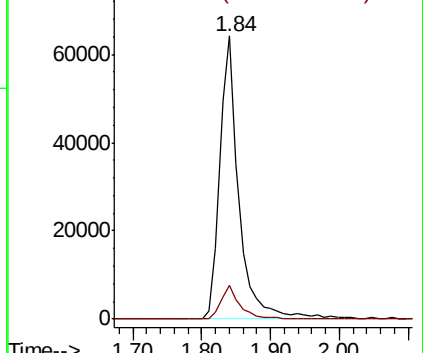
76 100

78 11.9 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 101.64 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060084.D

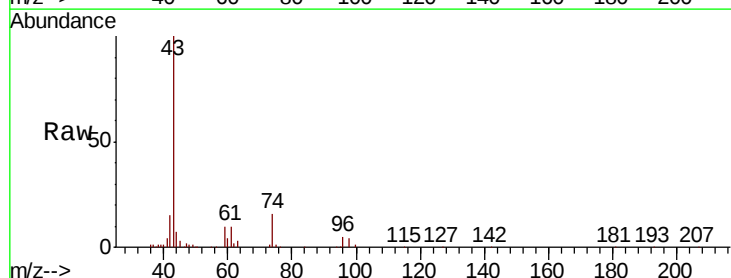
Acq: 24 Aug 2018 7:21

Tgt Ion: 43 Resp: 87429

Ion Ratio Lower Upper

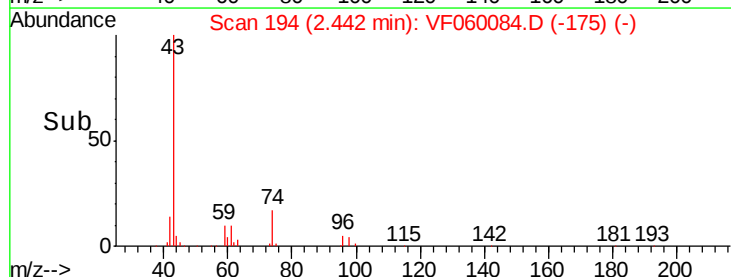
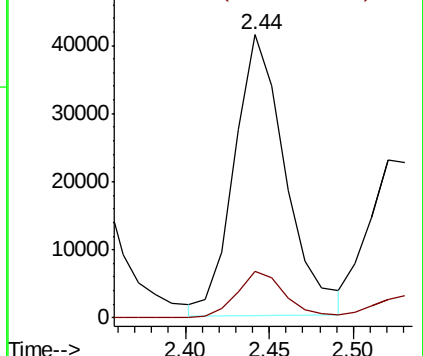
43 100

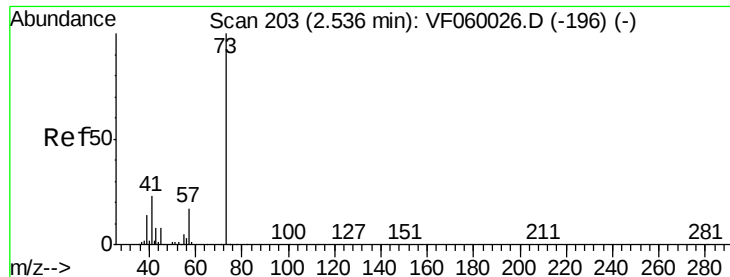
74 16.4 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



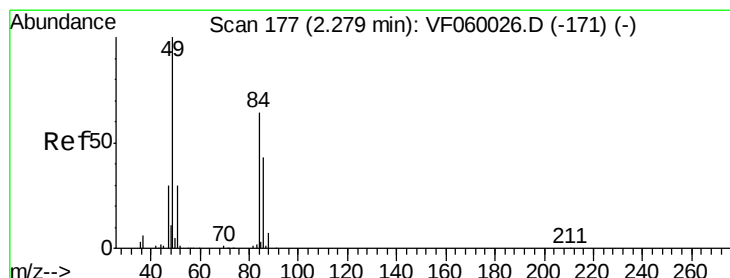
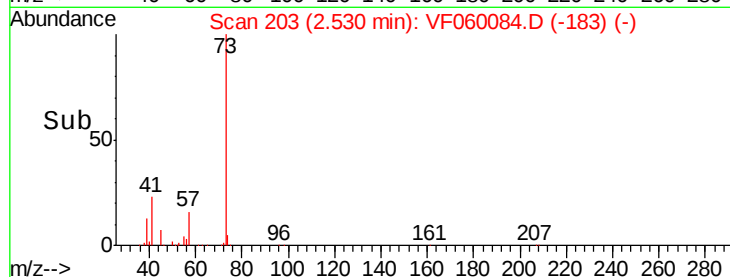
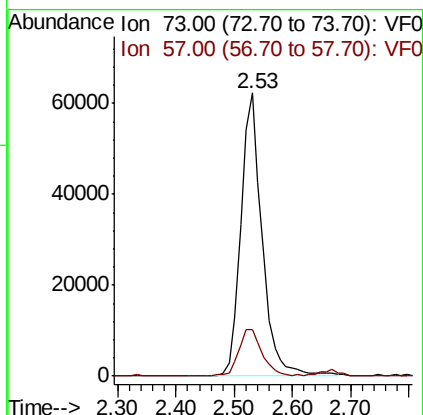
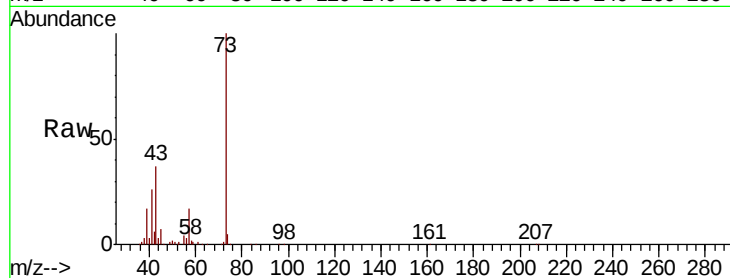


#19

Methyl tert-butyl Ether
 Concen: 52.99 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampleId :

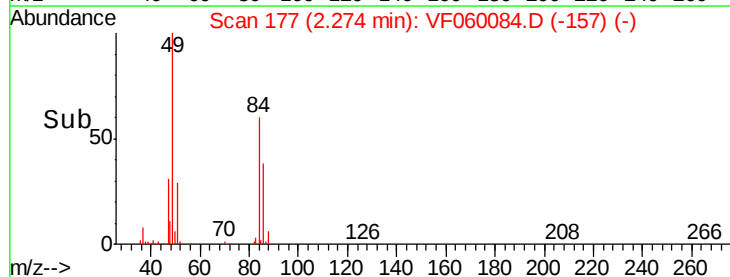
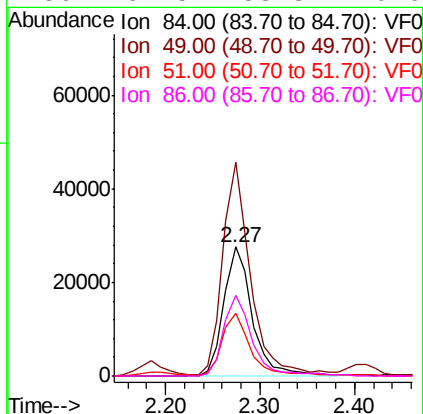
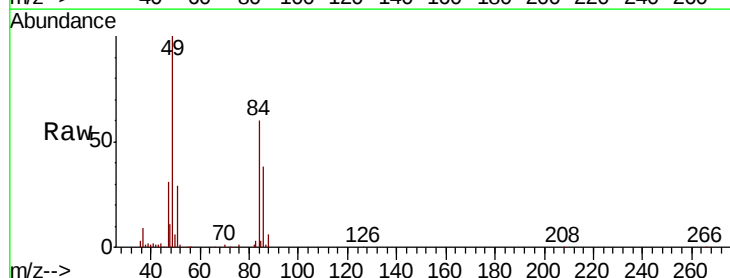
Tot Ion: 73 Resp: 157674
 Ion Ratio Lower Upper
 73 100
 57 16.6 13.7 20.5

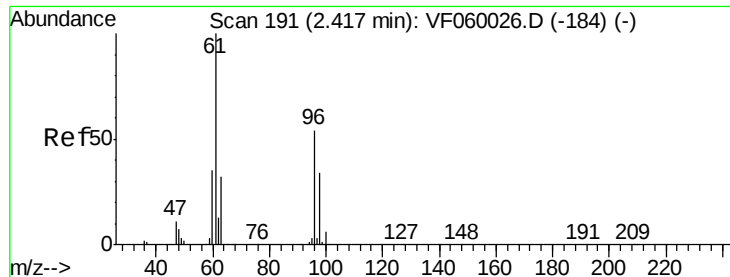


#20

Methylene Chloride
 Concen: 56.55 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion: 84 Resp: 57831
 Ion Ratio Lower Upper
 84 100
 49 165.6 125.4 188.0
 51 48.6 38.3 57.5
 86 62.5 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 44.08 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

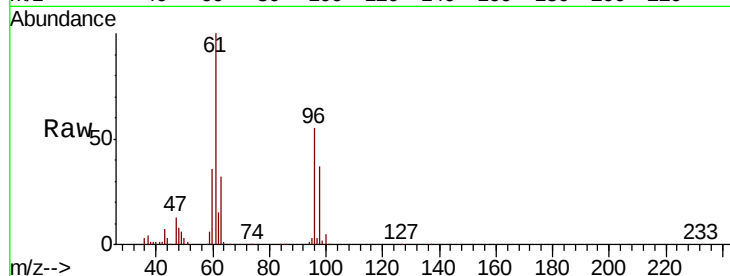
Tot Ion: 96 Resp: 45802

Ion Ratio Lower Upper

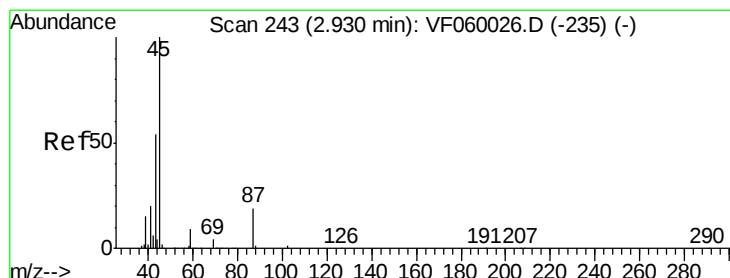
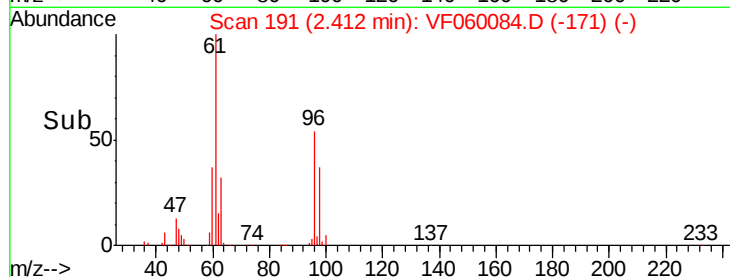
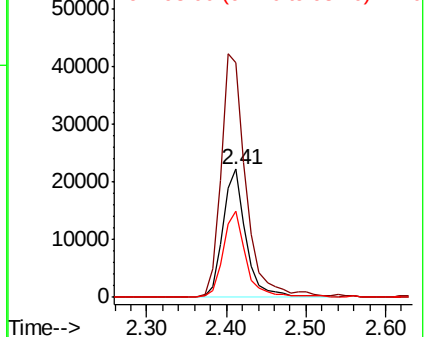
96 100

61 183.4 147.4 221.0

98 67.2 49.8 74.6



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



#22

Diisopropyl ether

Concen: 45.56 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion: 45 Resp: 168278

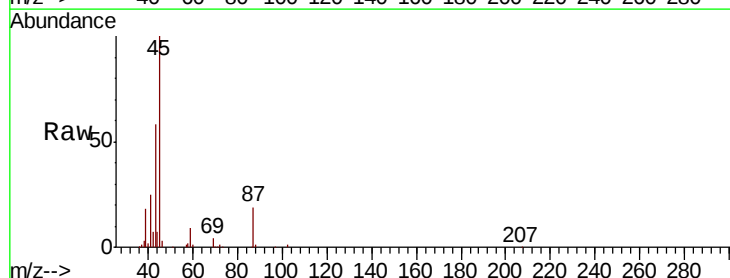
Ion Ratio Lower Upper

45 100

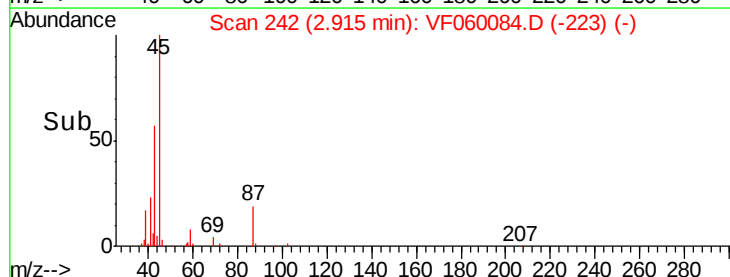
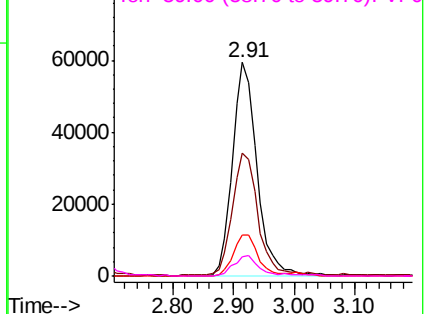
43 57.8 43.4 65.2

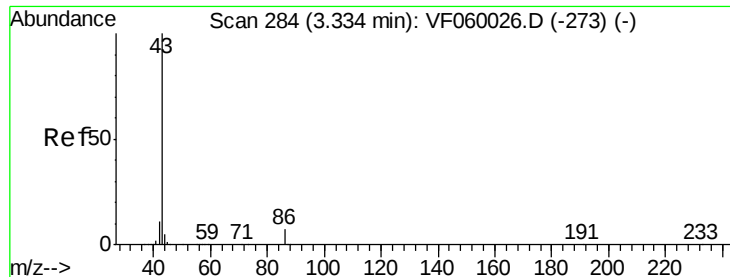
87 19.2 15.4 23.2

59 8.9 7.5 11.3



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 78.40 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

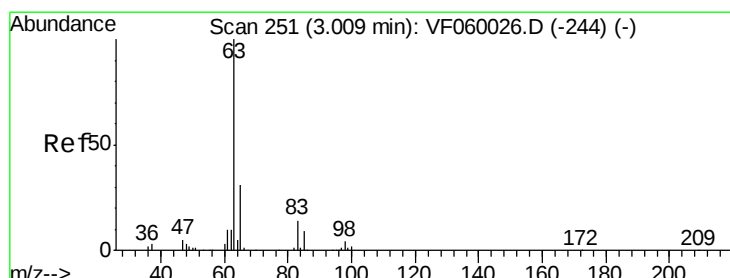
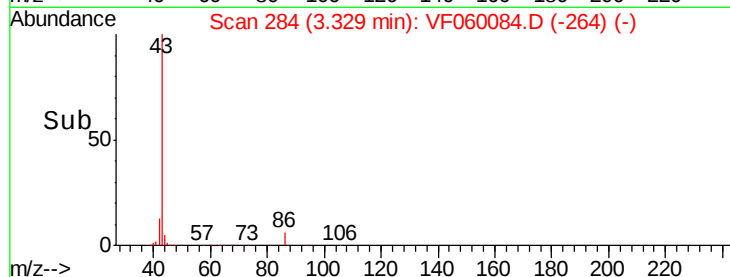
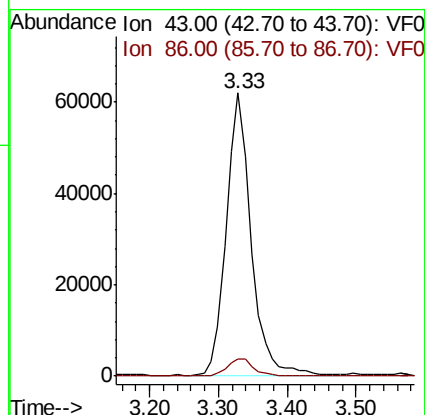
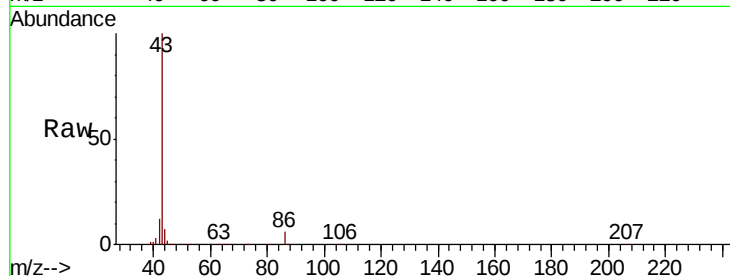
ClientSampleId :

Tot Ion: 43 Resp: 153385

Ion Ratio Lower Upper

43 100

86 6.1 5.6 8.4



#24

1,1-Dichloroethane

Concen: 53.70 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

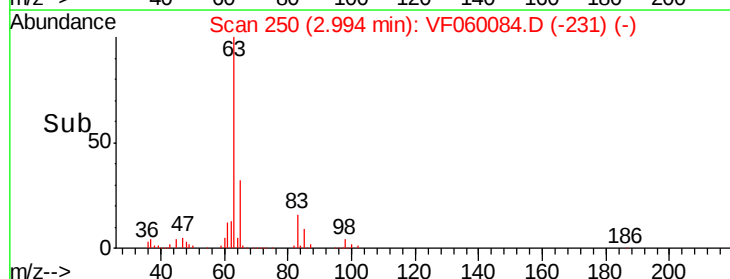
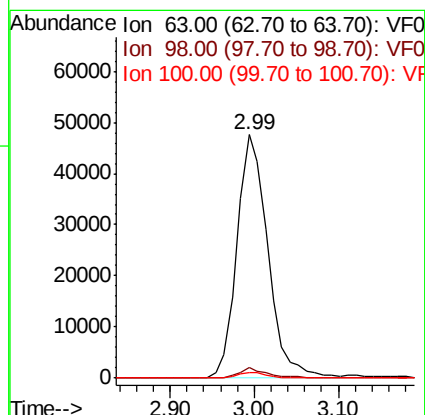
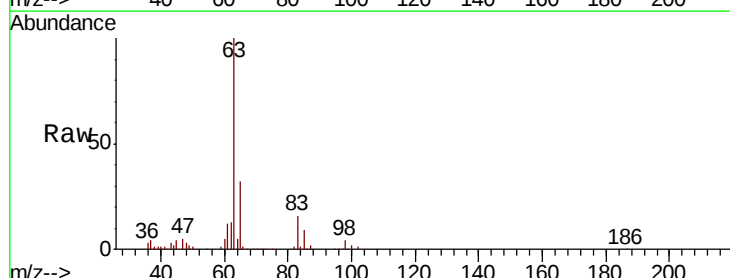
Tgt Ion: 63 Resp: 122511

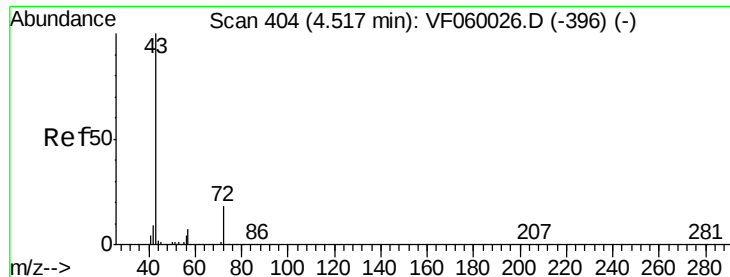
Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

100 2.2 1.1 3.3





#25

2-Butanone

Concen: 253.19 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

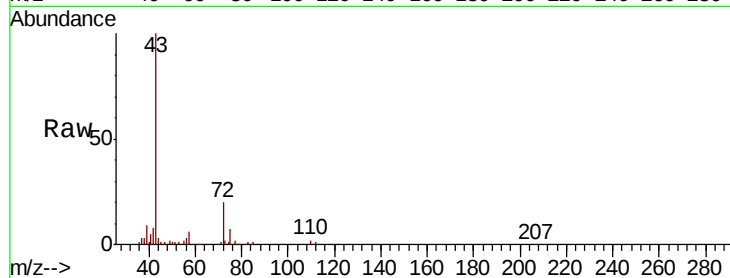
ClientSampled :

Tot Ion: 43 Resp: 172822

Ion Ratio Lower Upper

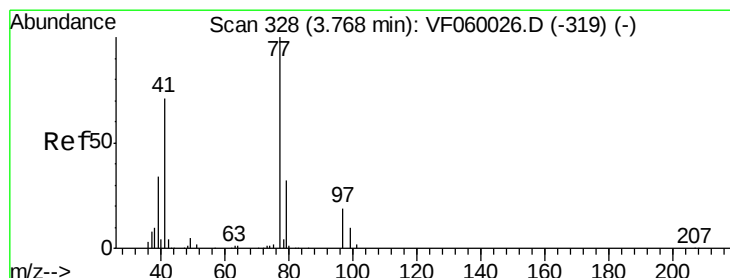
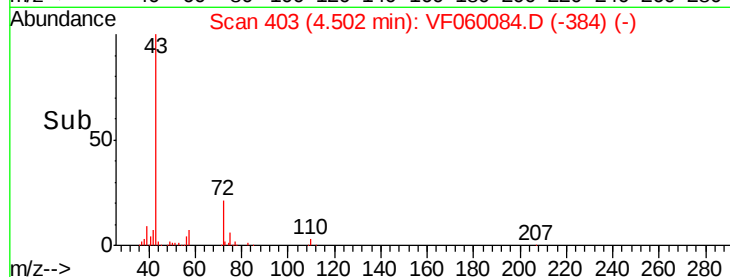
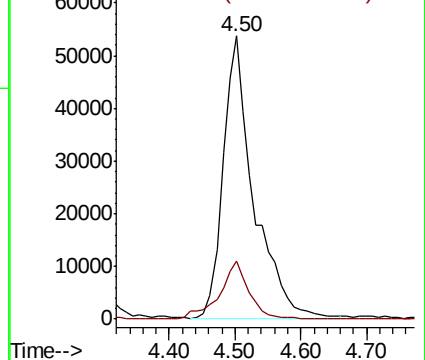
43 100

72 20.4 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 44.34 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF060084.D

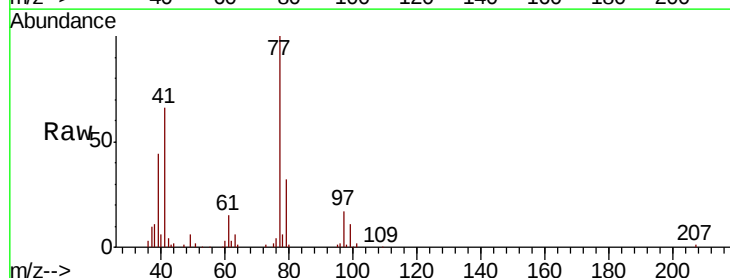
Acq: 24 Aug 2018 7:21

Tgt Ion: 77 Resp: 104657

Ion Ratio Lower Upper

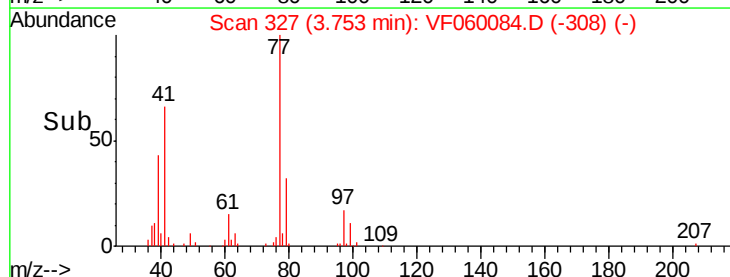
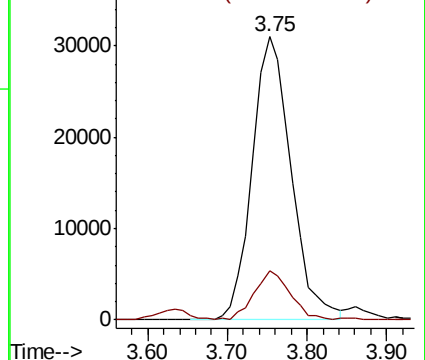
77 100

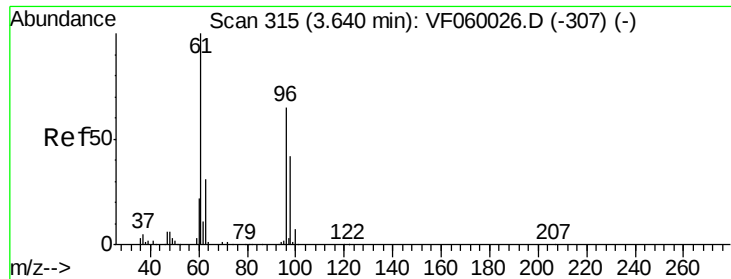
97 17.4 9.7 29.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



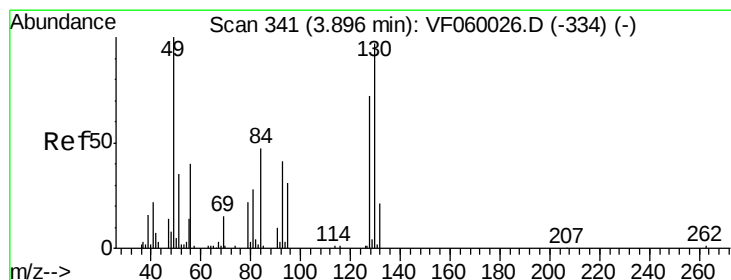
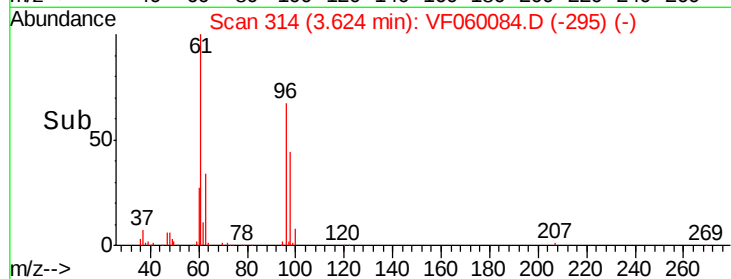
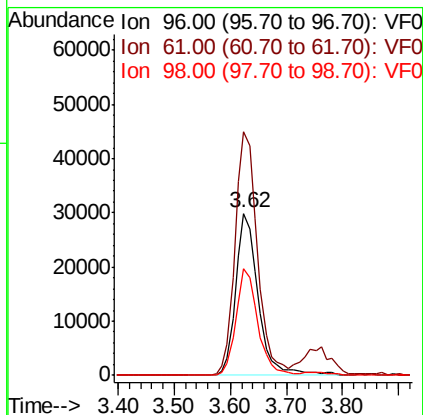
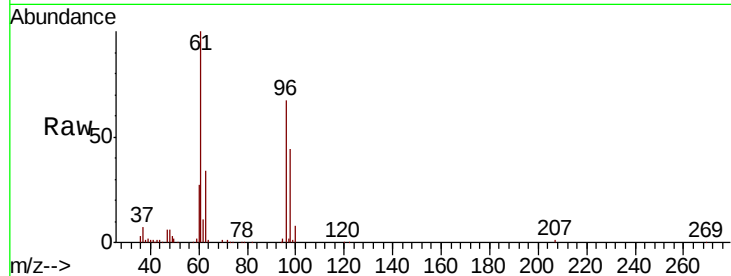


#27

cis-1,2-Dichloroethene
Concen: 56.46 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

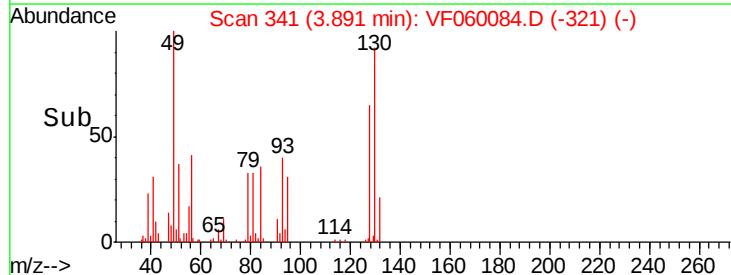
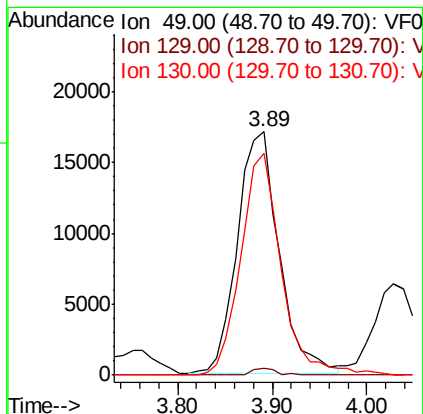
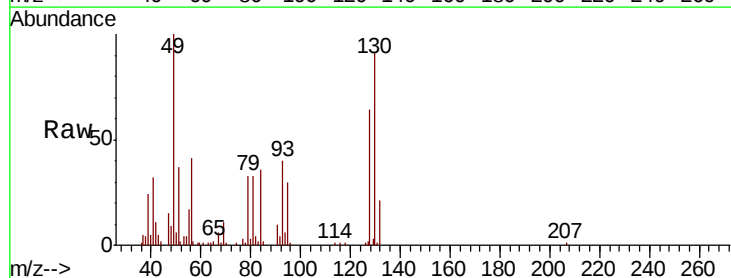
Tot Ion	96	Resp	83139
Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	307.6
98	65.7	0.0	128.4

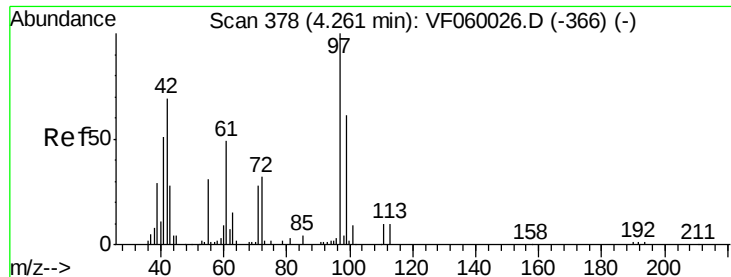


#28

Bromochloromethane
Concen: 54.04 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	49	Resp	52058
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	7.4
130	91.1	78.0	117.0

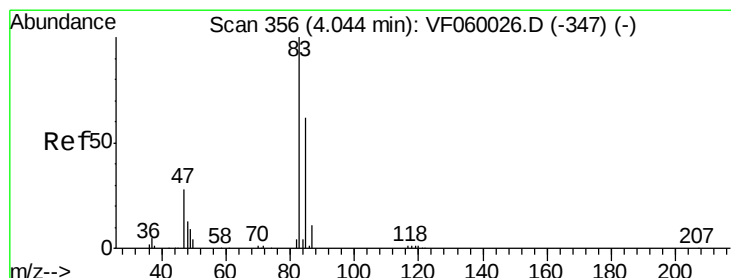
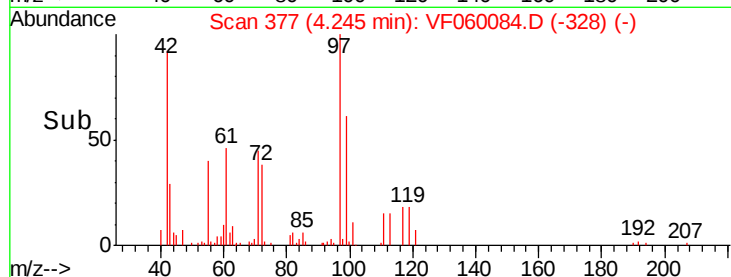
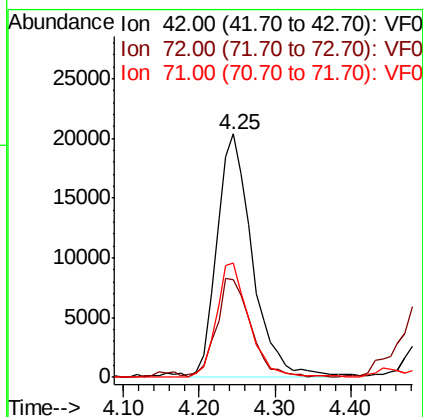
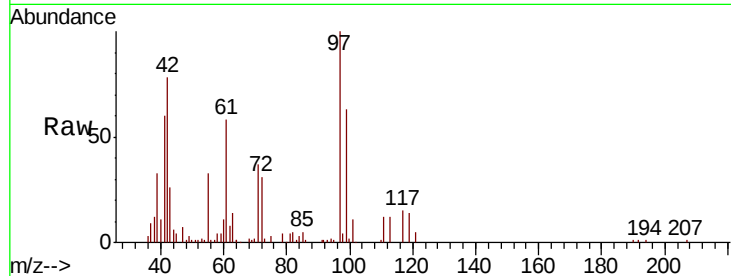




#29
Tetrahydrofuran
Concen: 257.40 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

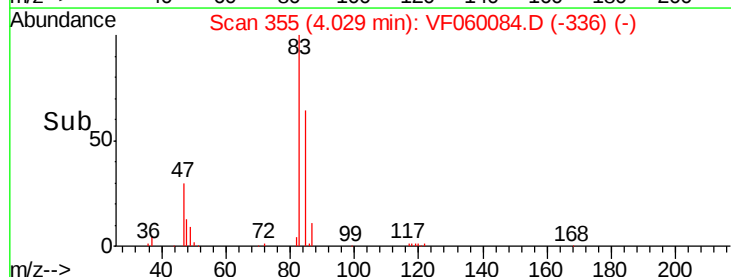
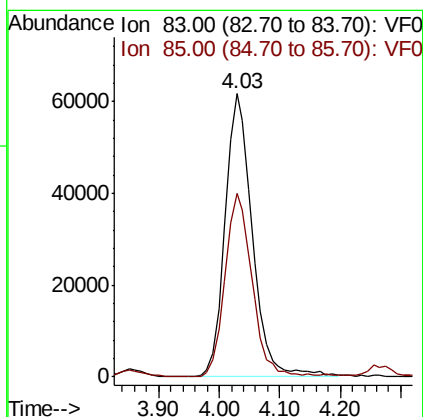
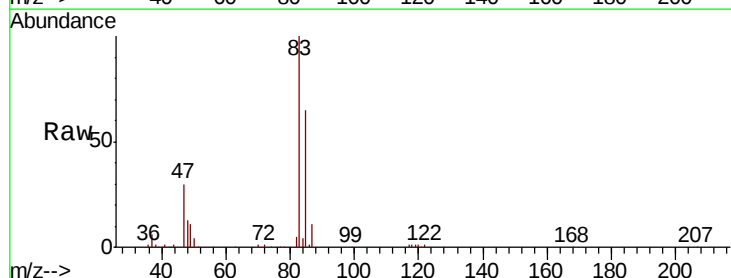
Instrument :
MSVOA_F
ClientSampleId :

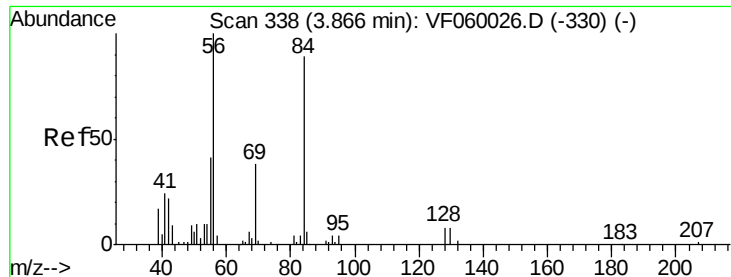
Tot Ion: 42 Resp: 66333
Ion Ratio Lower Upper
42 100
72 39.4 31.4 47.2
71 43.2 29.7 44.5



#30
Chloroform
Concen: 60.27 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 83 Resp: 193024
Ion Ratio Lower Upper
83 100
85 64.9 49.5 74.3

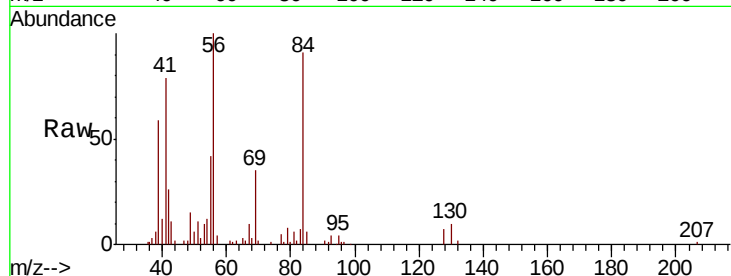




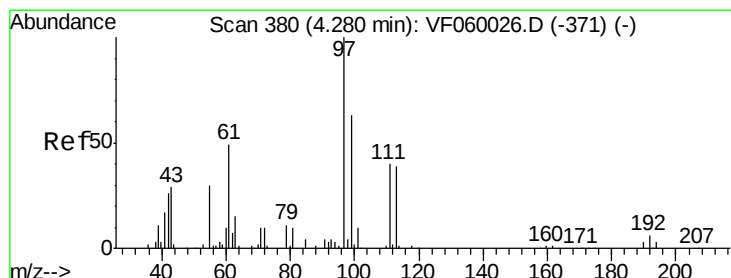
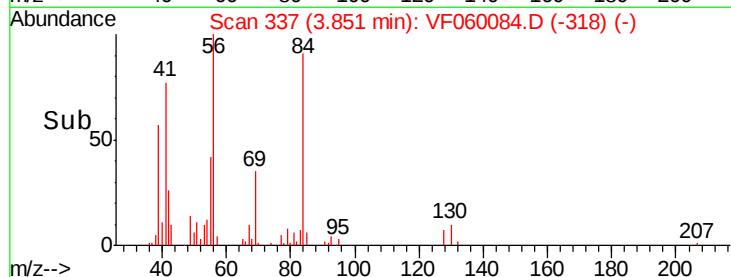
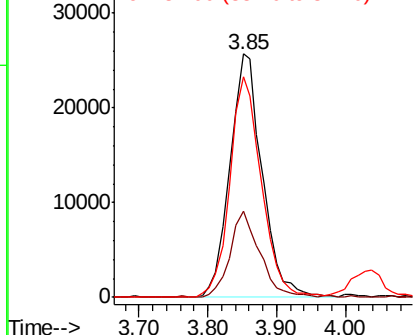
#31
Cyclohexane
Concen: 48.09 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 83608
Ion Ratio Lower Upper
56 100
69 35.1 30.4 45.6
84 90.8 71.4 107.2

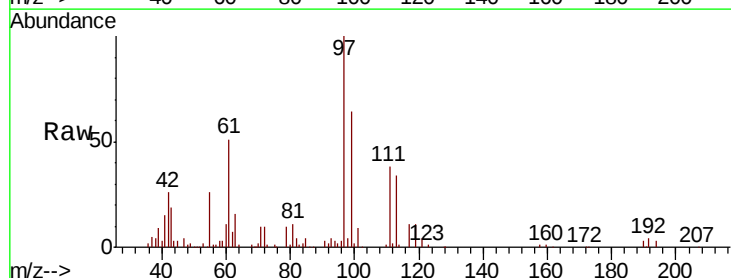


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

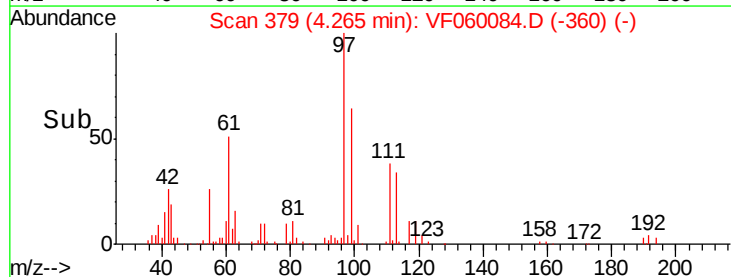
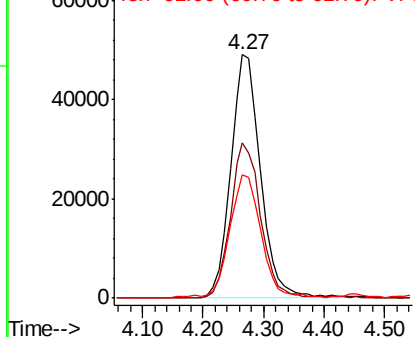


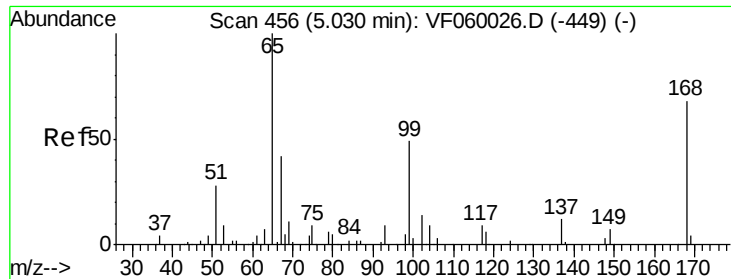
#32
1,1,1-Trichloroethane
Concen: 60.88 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 97 Resp: 166971
Ion Ratio Lower Upper
97 100
99 63.9 50.3 75.5
61 50.8 40.3 60.5



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

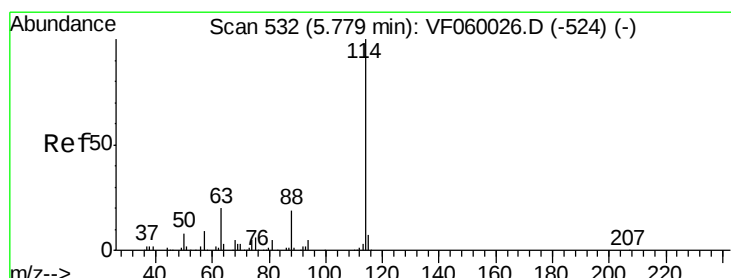
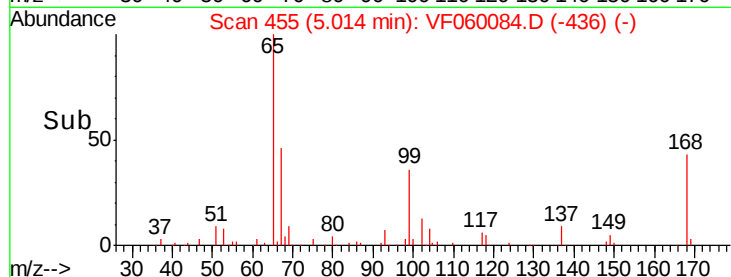
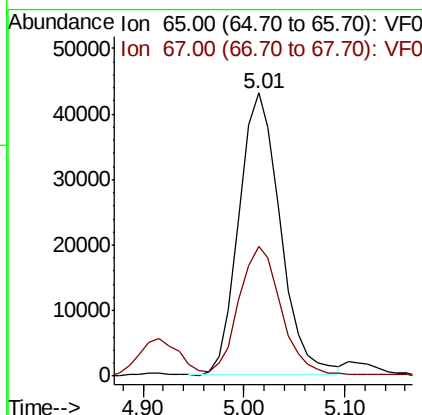
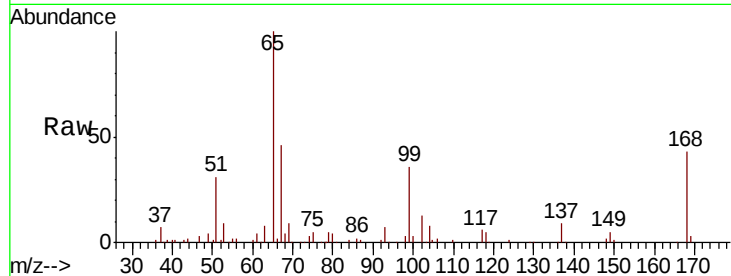




#33
 1,2-Dichloroethane-d4
 Concen: 61.66 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

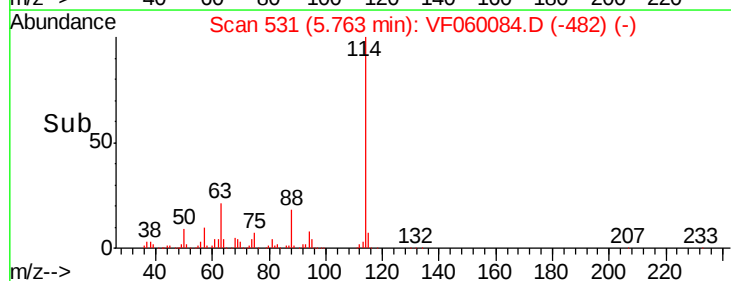
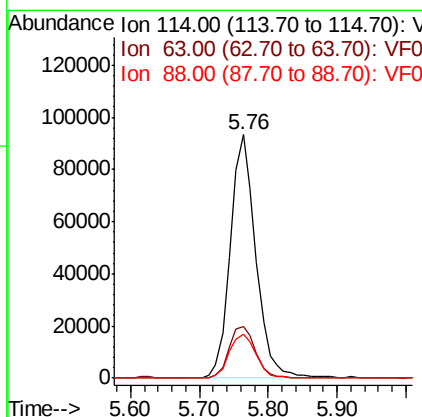
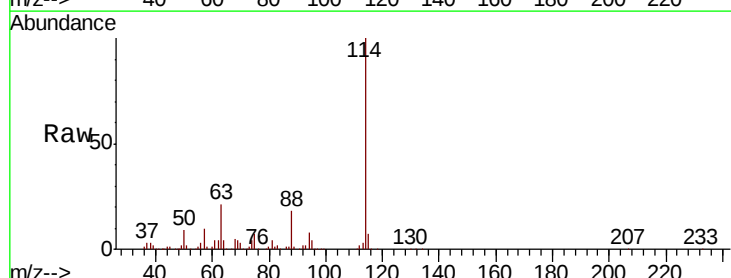
Instrument :
 MSVOA_F
 ClientSampled :

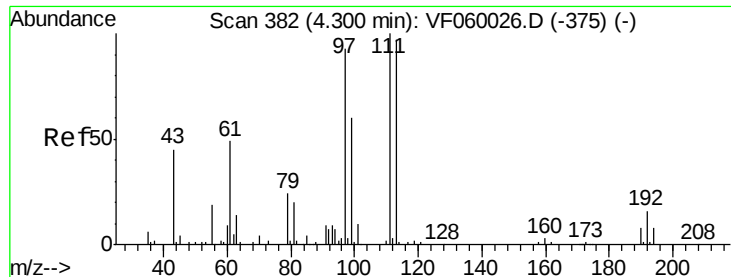
Tot Ion: 65 Resp: 123276
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion: 114 Resp: 238672
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.4
 88 18.0 0.0 38.6





#35

Dibromofluoromethane

Concen: 57.21 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

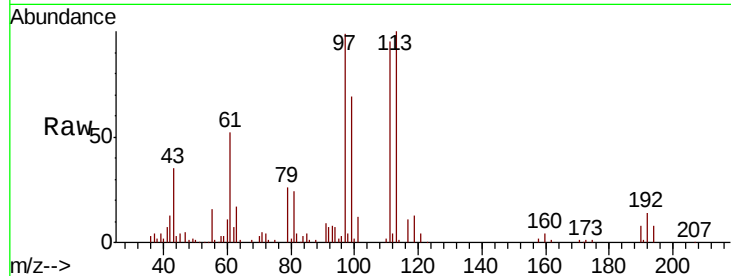
Tot Ion:113 Resp: 107214

Ion Ratio Lower Upper

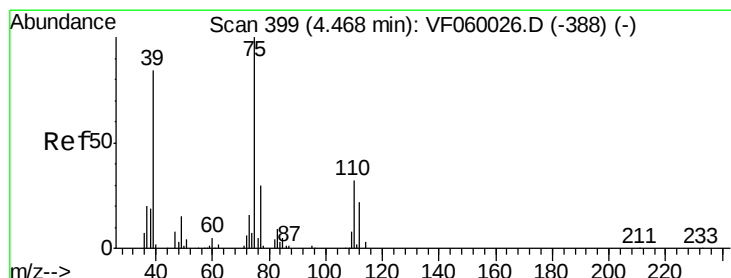
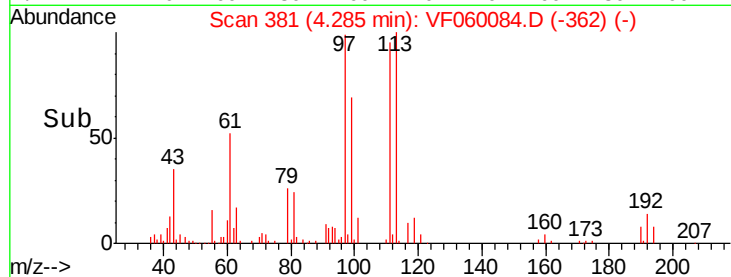
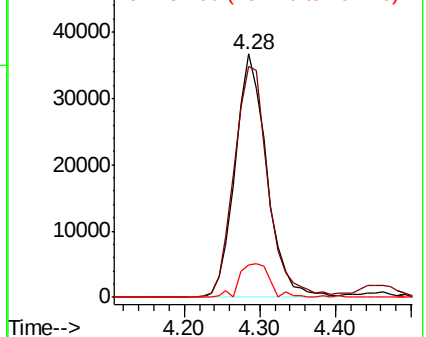
113 100

111 94.6 82.7 124.1

192 13.6 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 46.92 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

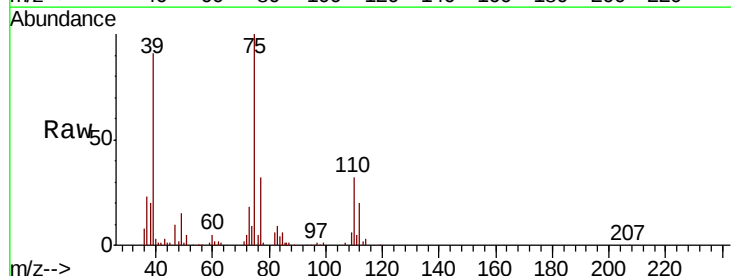
Tgt Ion: 75 Resp: 105242

Ion Ratio Lower Upper

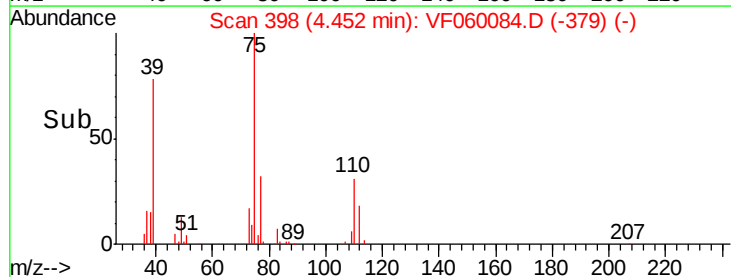
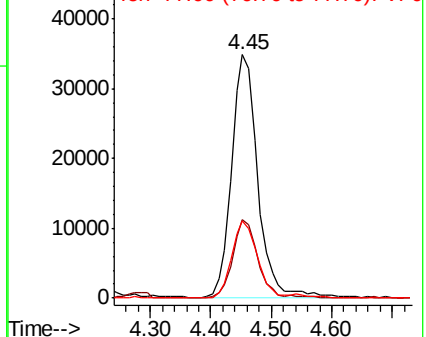
75 100

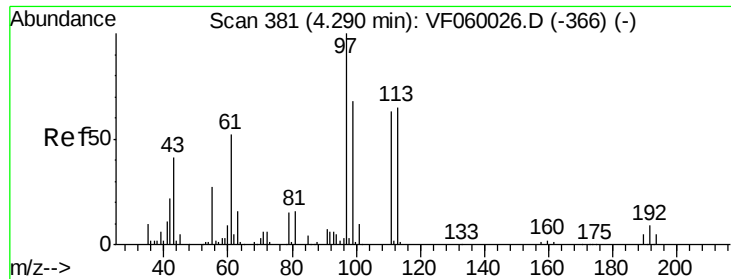
110 32.2 16.0 47.9

77 31.9 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

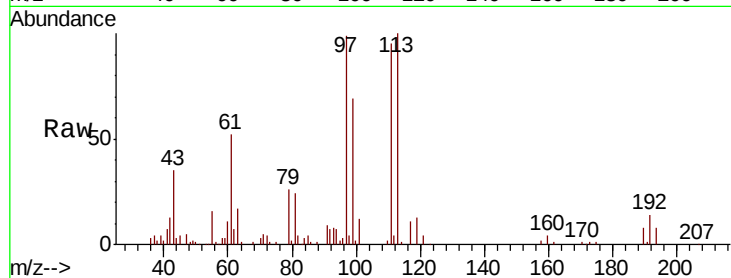




#37
Ethyl Acetate
Concen: 36.82 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	43	Resp	49383
Ion Ratio	Lower	Upper	
43	100		
61	147.7	101.5	152.3
70	8.5	6.4	9.6

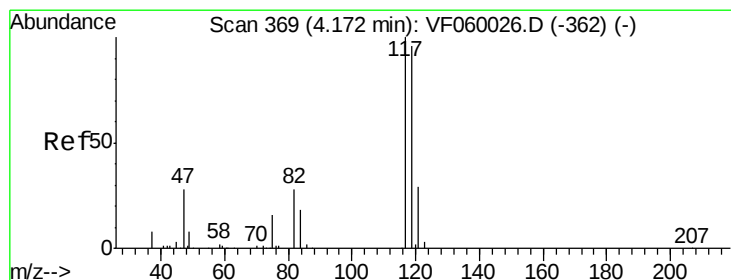
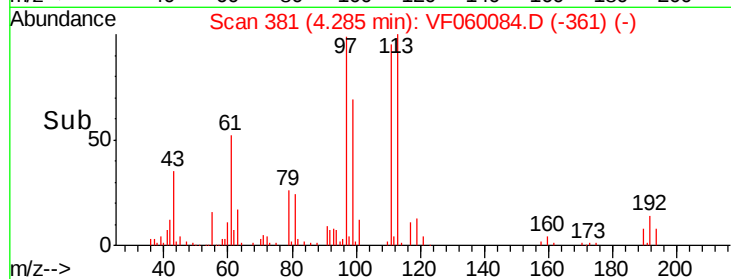
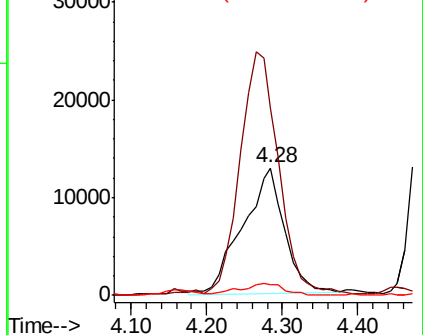


Abundance

Ion 43.00 (42.70 to 43.70): VF0

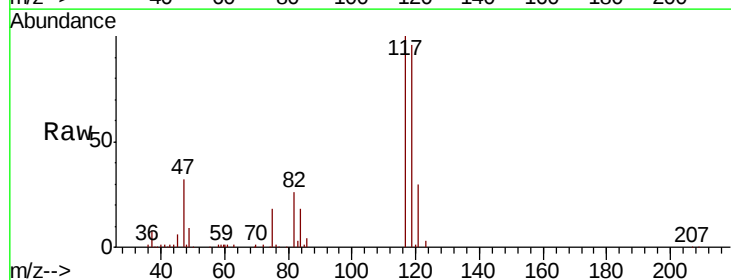
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 55.17 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	117	Resp	143292
Ion Ratio	Lower	Upper	
117	100		
119	95.7	76.5	114.7
121	30.3	23.0	34.6

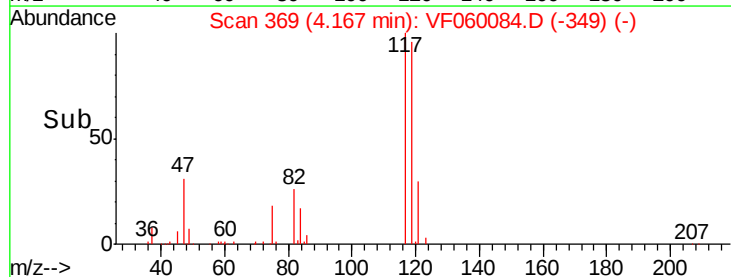
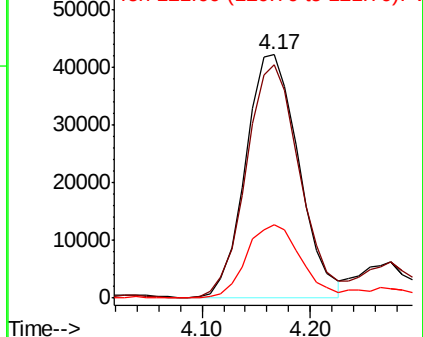


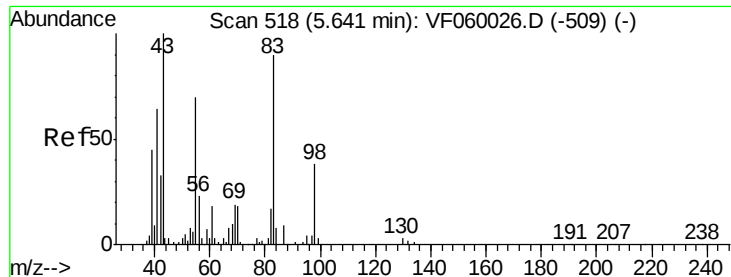
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

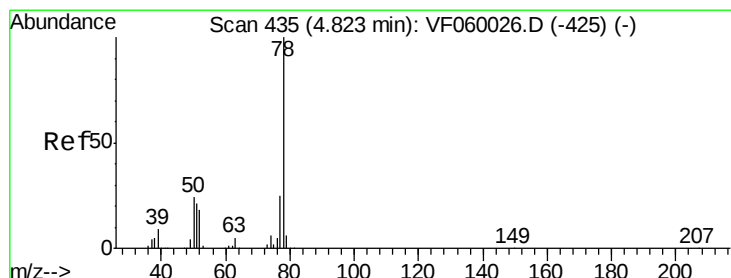
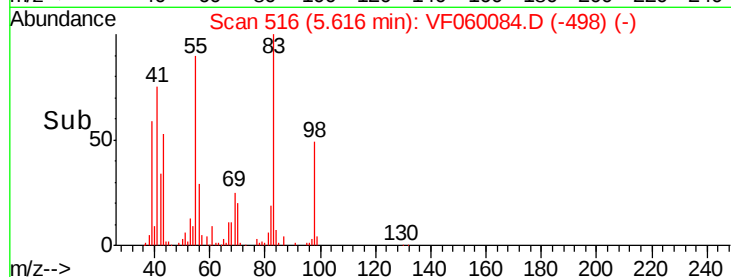
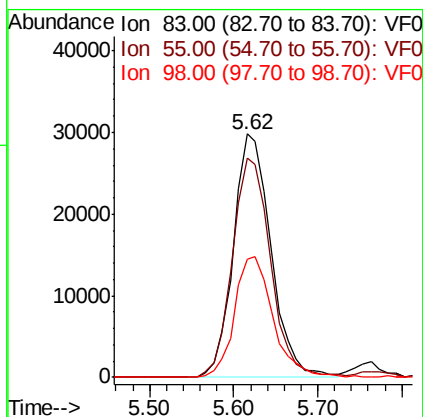
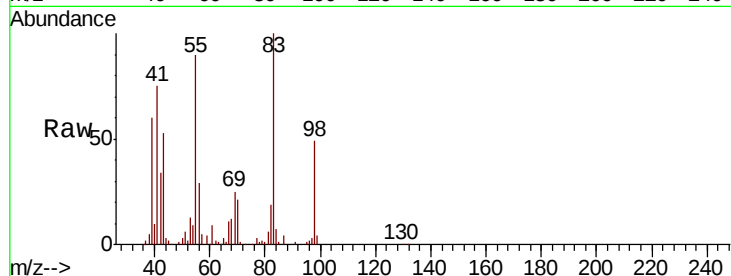




#39
Methvlcvclohexane
Concen: 44.14 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

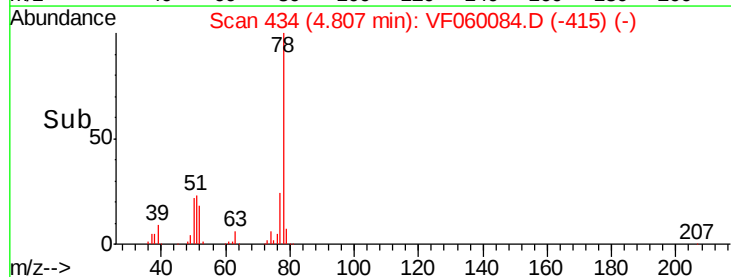
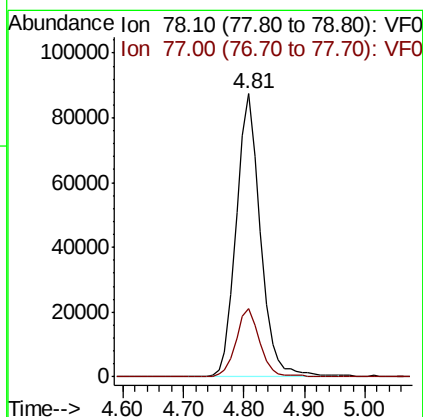
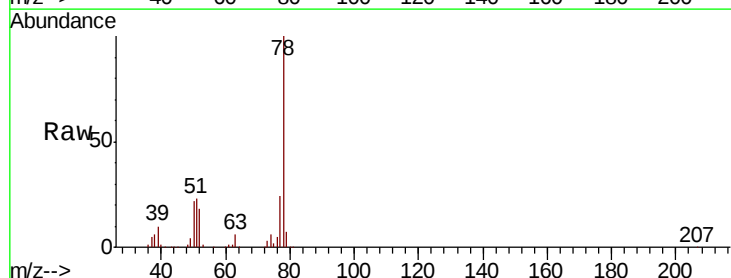
Instrument :
MSVOA_F
ClientSampleId :

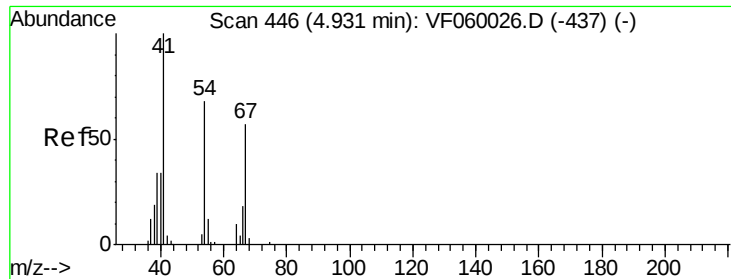
Tot Ion: 83 Resp: 92837
Ion Ratio Lower Upper
83 100
55 90.2 62.7 94.1
98 48.5 33.8 50.8



#40
Benzene
Concen: 49.73 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 78 Resp: 243633
Ion Ratio Lower Upper
78 100
77 24.2 19.8 29.6

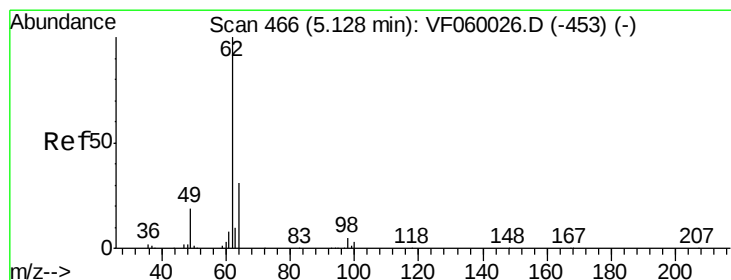
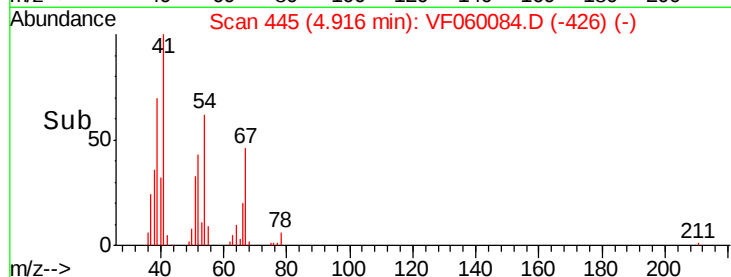
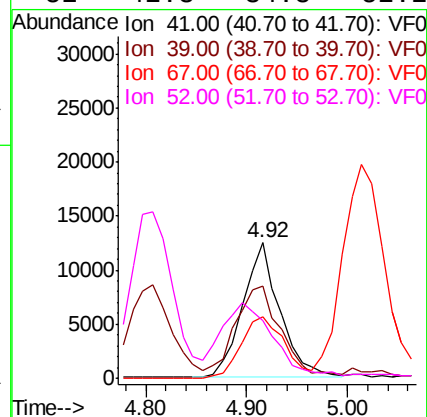
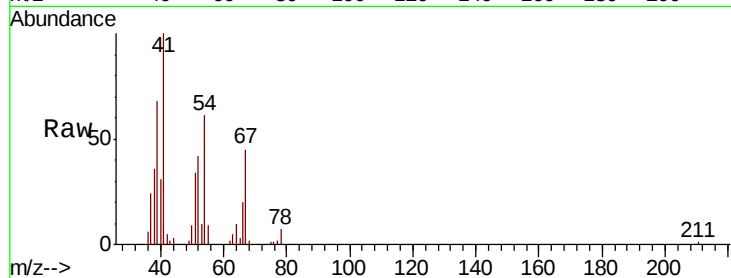




#41
Methacrylonitrile
Concen: 46.82 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

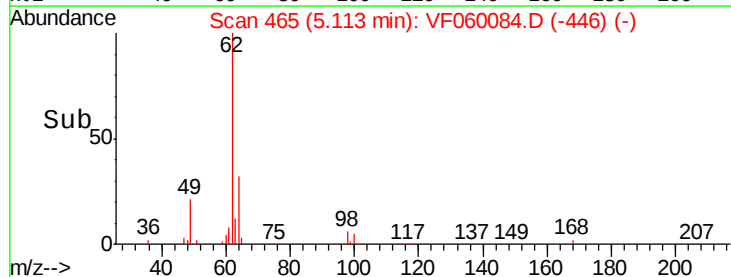
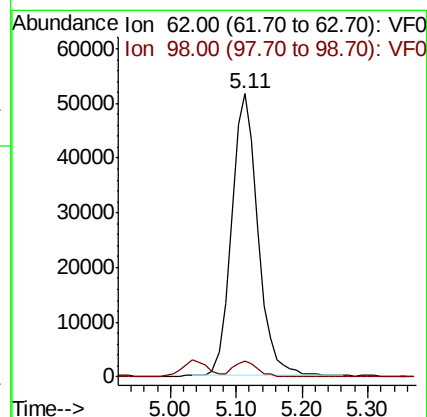
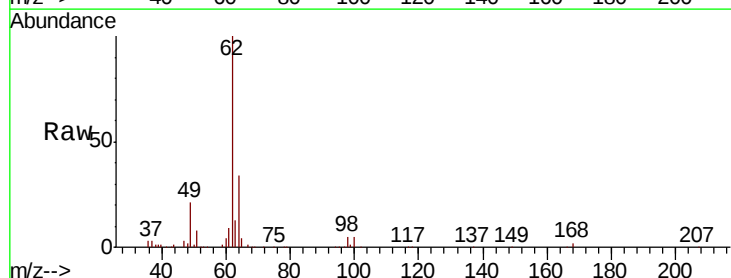
Instrument :
MSVOA_F
ClientSampleId :

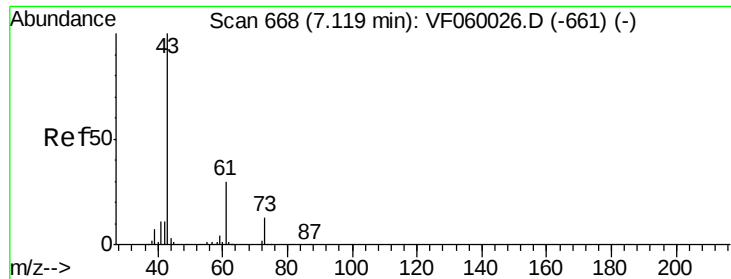
Tot Ion	Ratio	Lower	Upper
41	100		
39	68.5	52.9	79.3
67	45.1	45.3	67.9
52	42.3	34.8	52.2



#42
1,2-Dichloroethane
Concen: 54.63 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	11.2

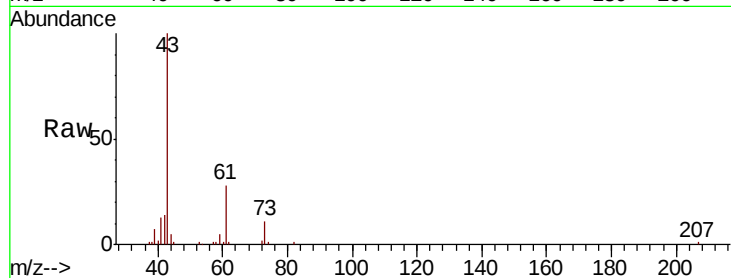




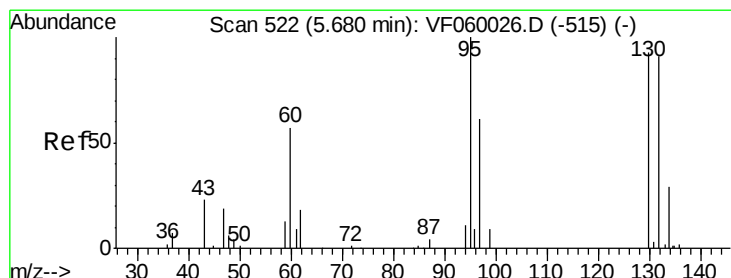
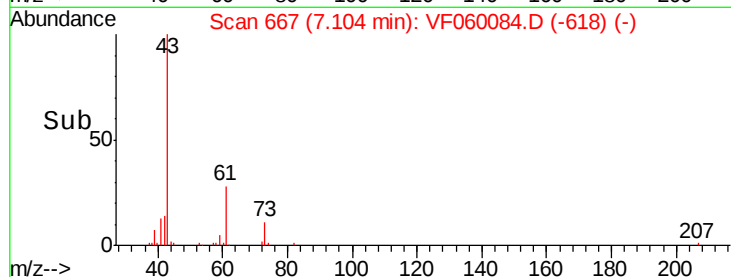
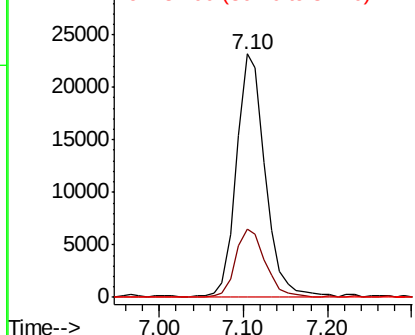
#43
Isopropyl Acetate
Concen: 32.78 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 55350
Ion Ratio Lower Upper
43 100
61 27.9 23.8 35.6
87 0.0 0.2 0.4#

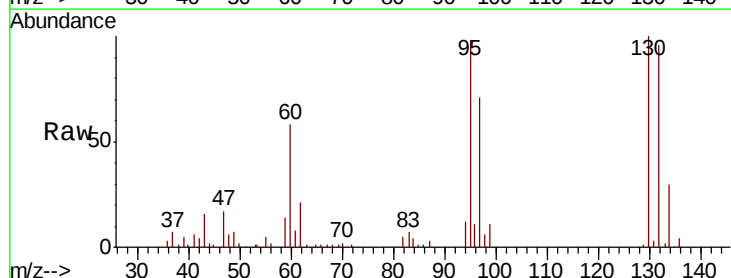


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

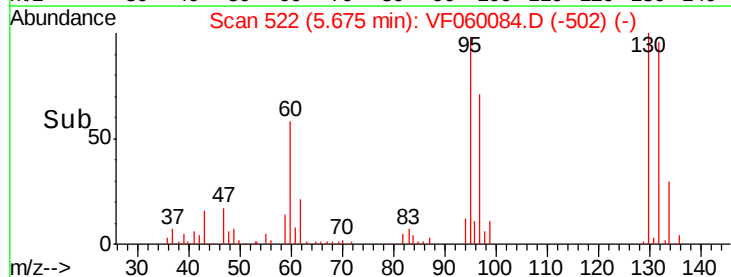
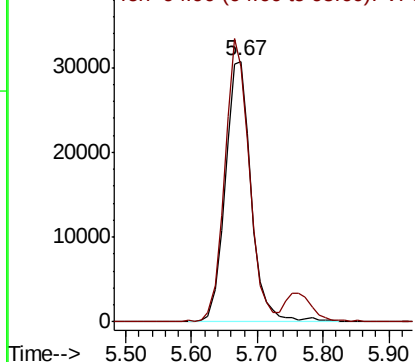


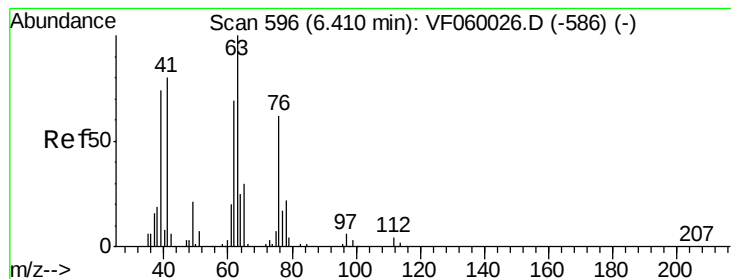
#44
Trichloroethene
Concen: 52.01 ug/l
RT: 5.67 min Scan# 522
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 130 Resp: 84248
Ion Ratio Lower Upper
130 100
95 97.8 0.0 215.8



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





#45

1,2-Dichloropropane

Concen: 55.07 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

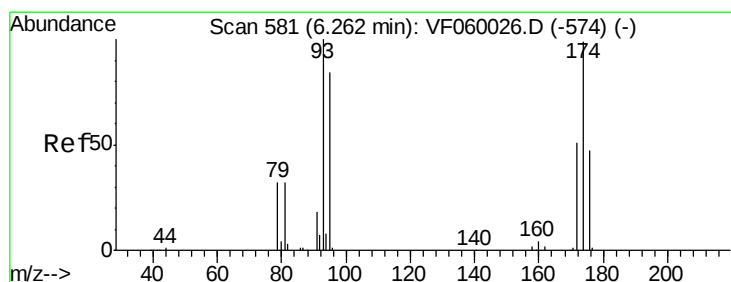
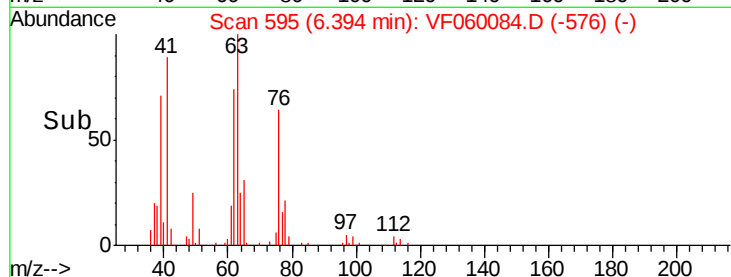
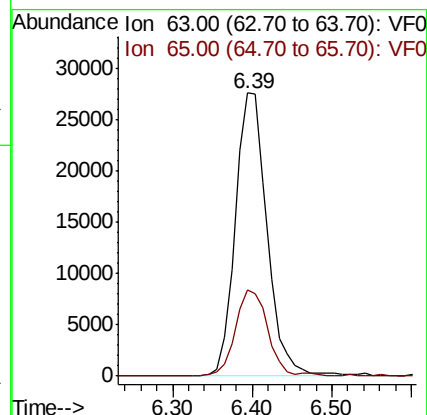
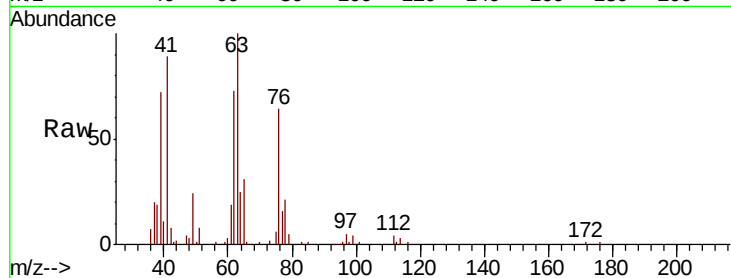
ClientSampled :

Tot Ion: 63 Resp: 76321

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



#46

Dibromomethane

Concen: 59.12 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

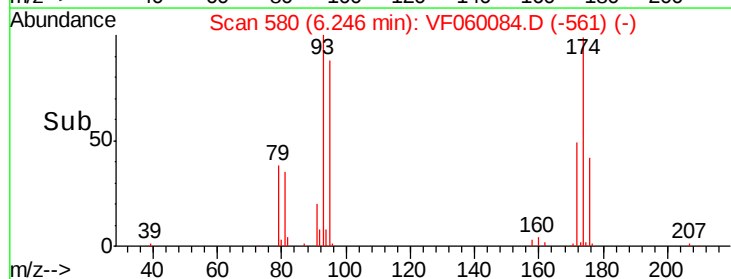
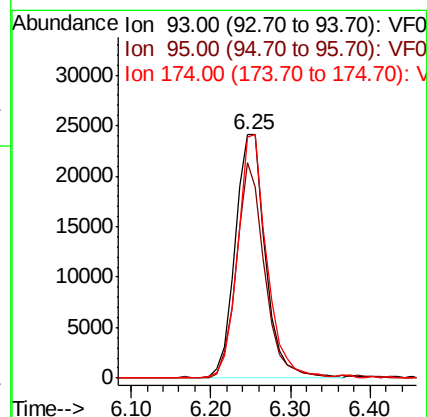
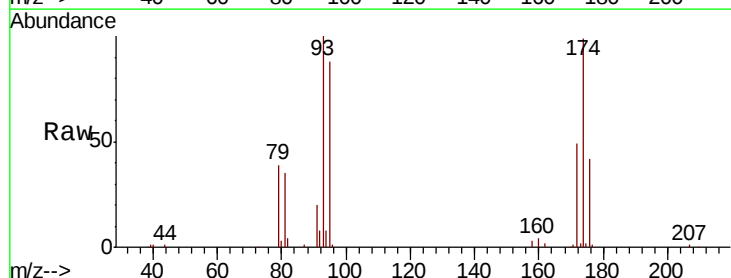
Tgt Ion: 93 Resp: 64116

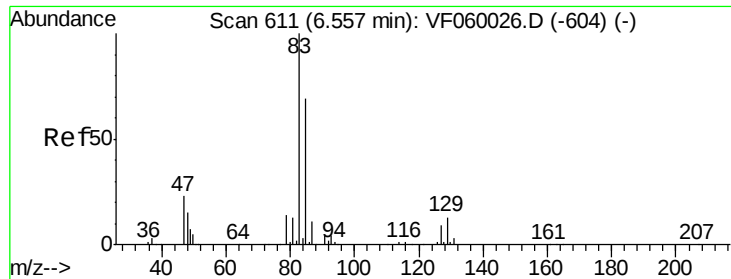
Ion Ratio Lower Upper

93 100

95 88.3 67.1 100.7

174 101.6 79.0 118.4





#47

Bromodichloromethane

Concen: 56.06 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

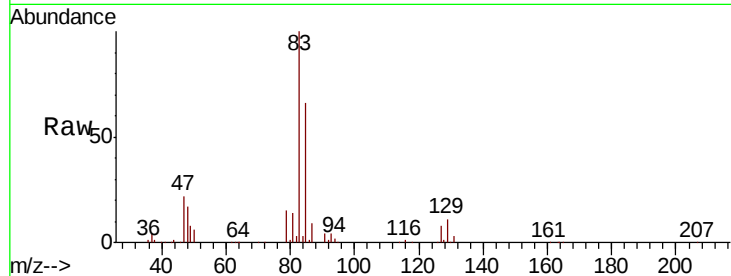
Tot Ion: 83 Resp: 146830

Ion Ratio Lower Upper

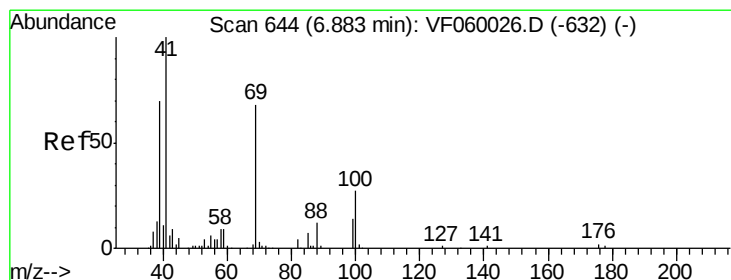
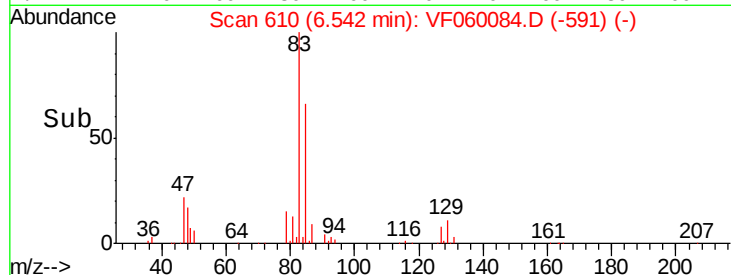
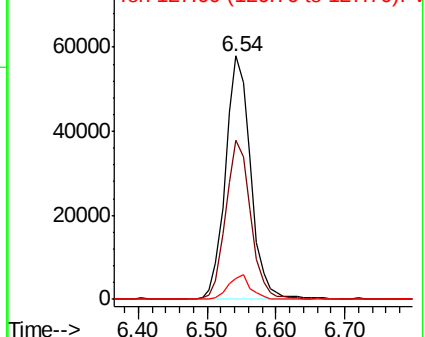
83 100

85 65.6 55.2 82.8

127 8.5 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 62.22 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

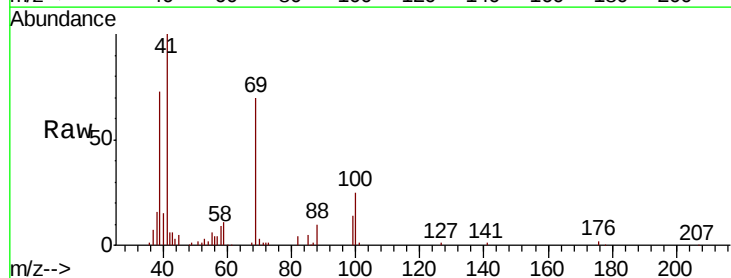
Tgt Ion: 41 Resp: 69513

Ion Ratio Lower Upper

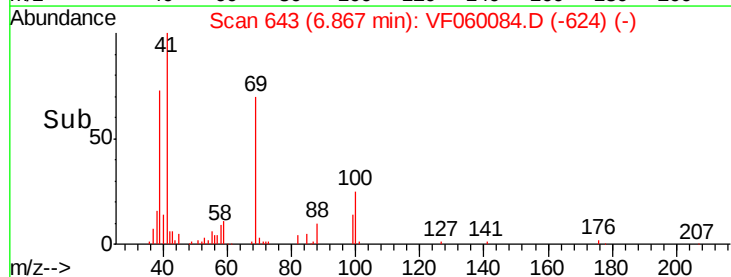
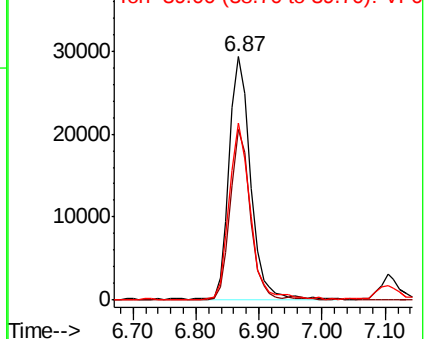
41 100

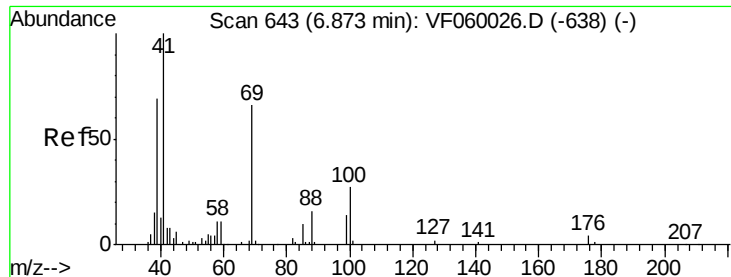
69 70.1 54.6 81.8

39 73.0 56.5 84.7



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 901.39 ug/l

RT: 6.86 min Scan# 642

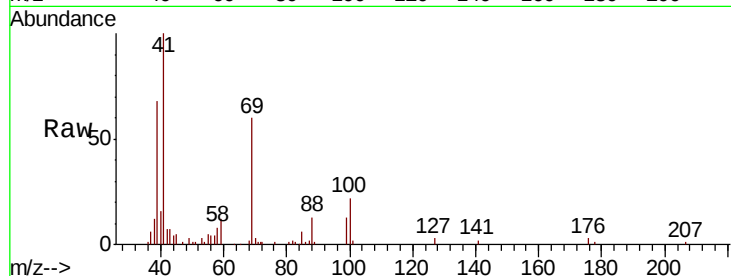
Delta R.T. -0.02 min

Lab File: VF060084.D

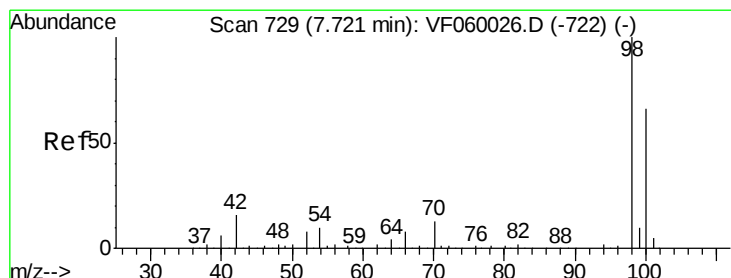
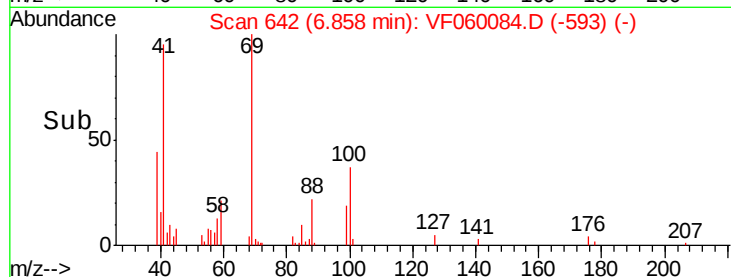
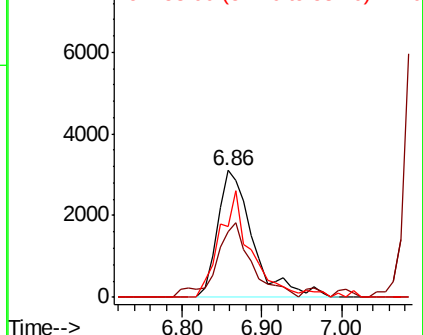
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	9667
Ion	Ratio	Lower	Upper
88	100		
43	52.0	46.5	69.7
58	56.3	54.8	82.2



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



#50

Toluene-d8

Concen: 52.66 ug/l

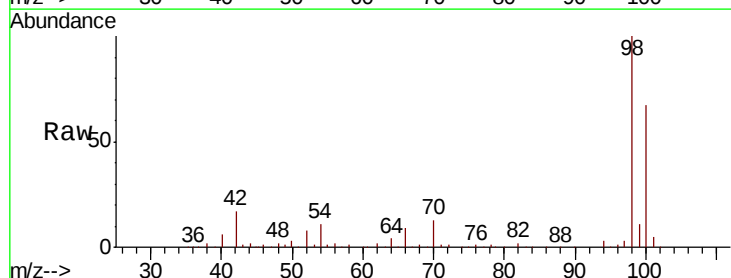
RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

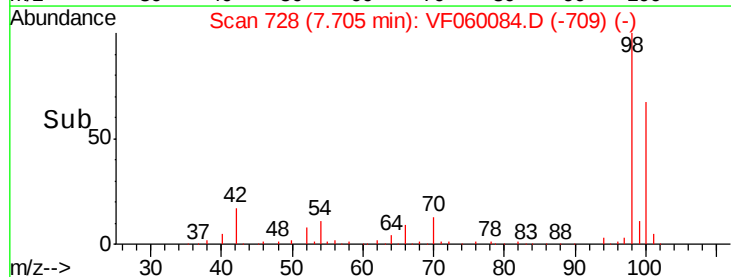
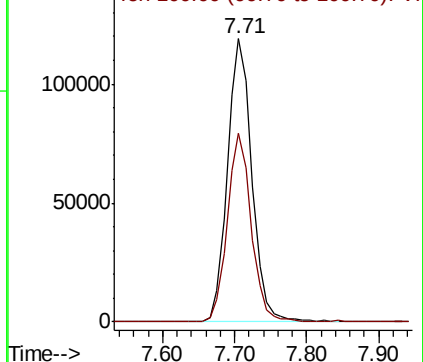
Lab File: VF060084.D

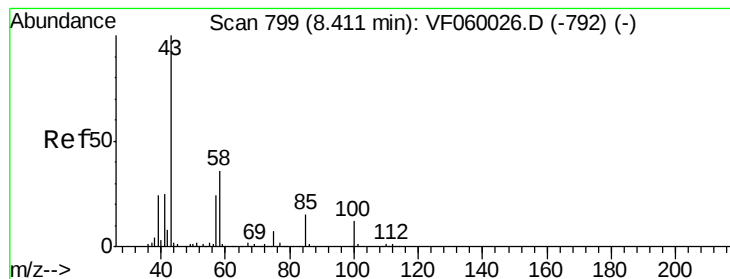
Acq: 24 Aug 2018 7:21

Tgt Ion:	98	Resp:	280307
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.2	79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 277.03 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

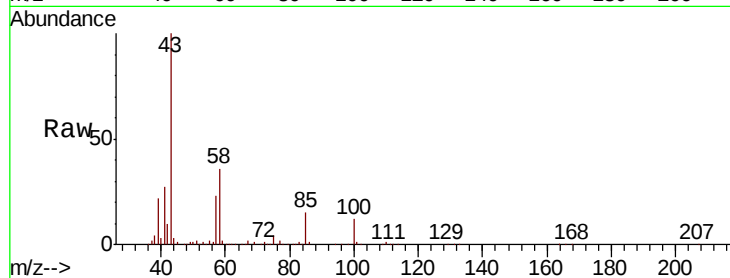
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 403894

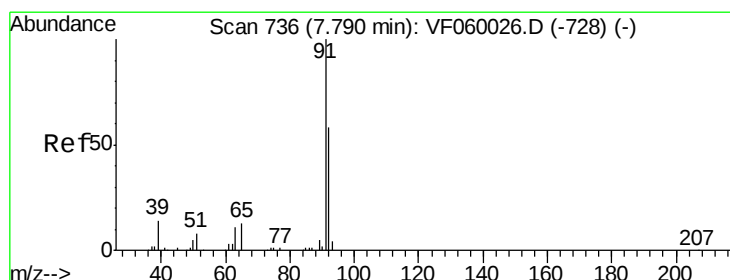
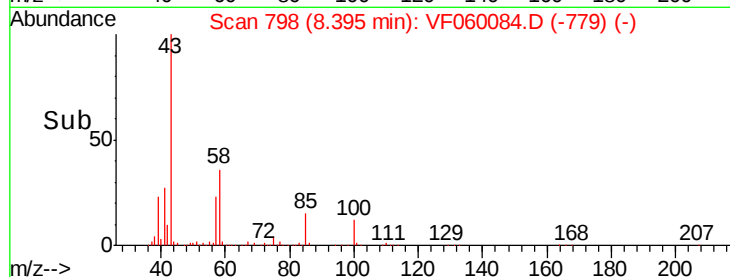
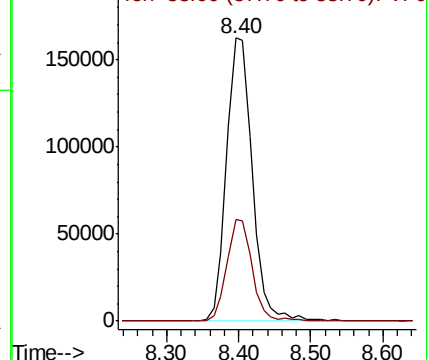
Ion Ratio Lower Upper

43 100

58 36.1 28.6 42.8



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



#52

Toluene

Concen: 59.25 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060084.D

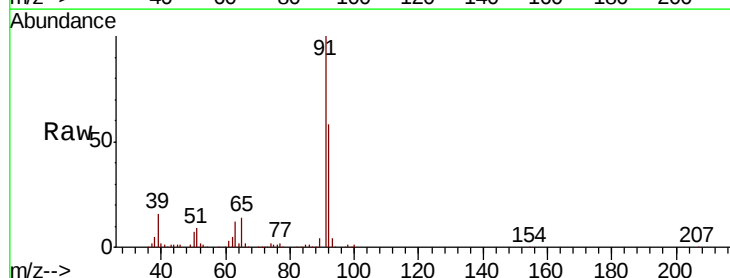
Acq: 24 Aug 2018 7:21

Tgt Ion: 92 Resp: 183883

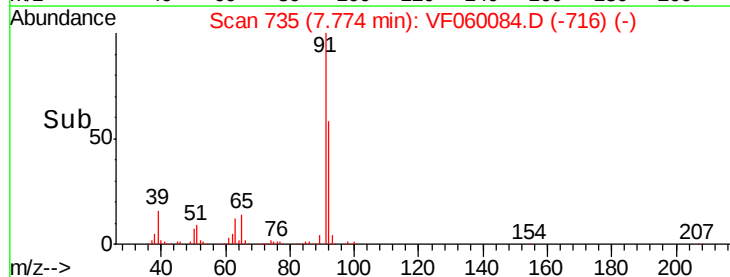
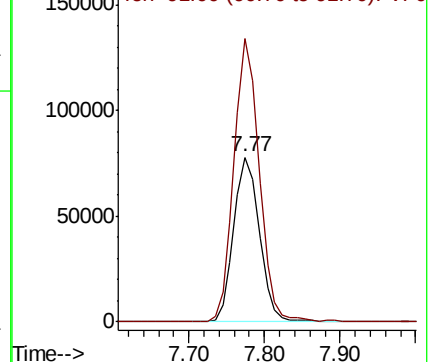
Ion Ratio Lower Upper

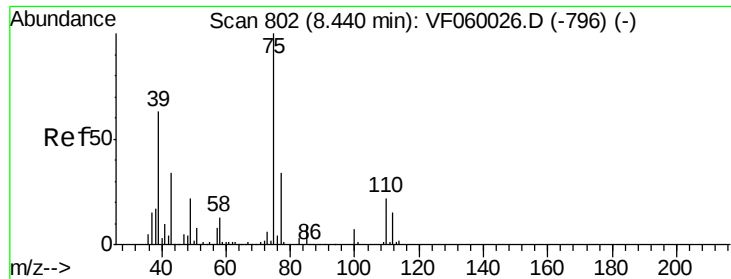
92 100

91 171.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0

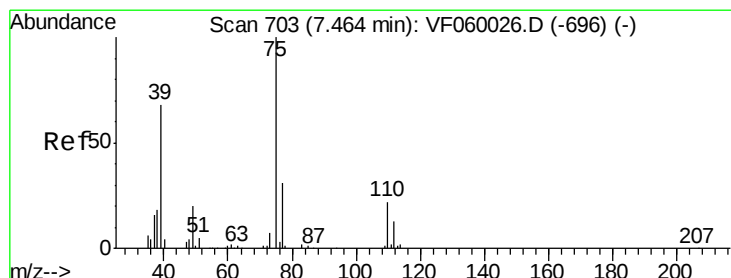
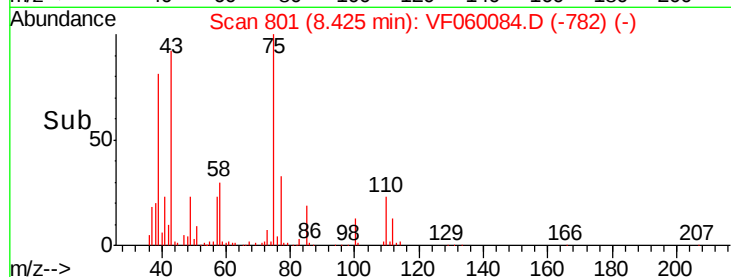
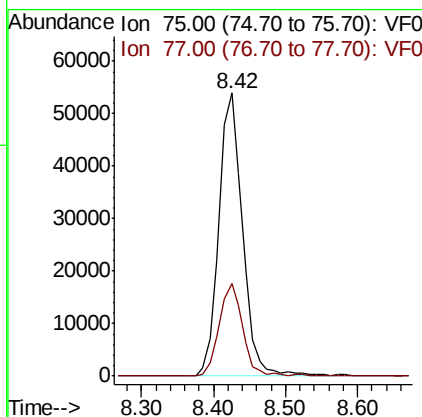
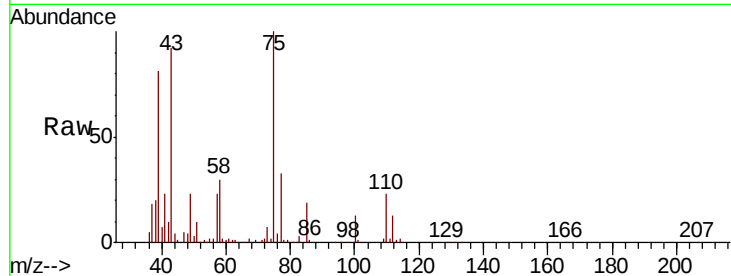




#53
 t-1,3-Dichloropropene
 Concen: 51.58 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

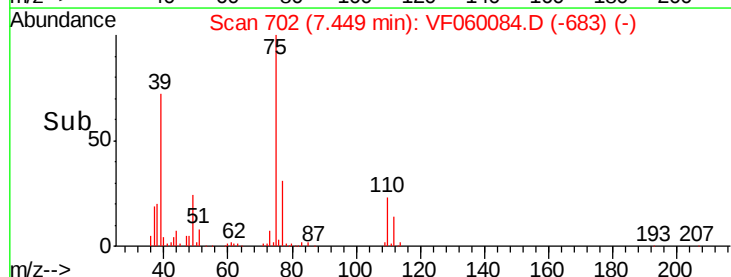
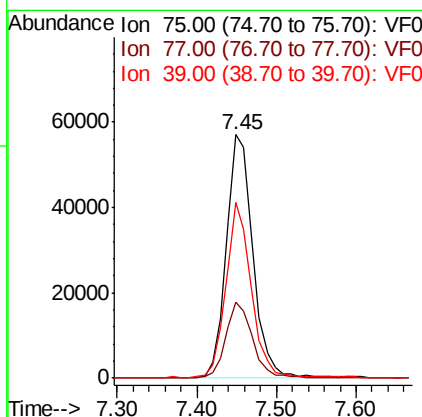
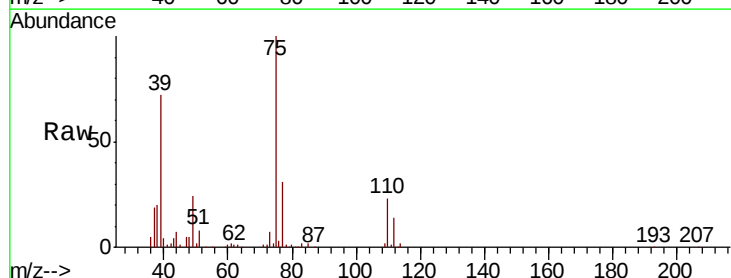
Instrument :
 MSVOA_F
 ClientSampleId :

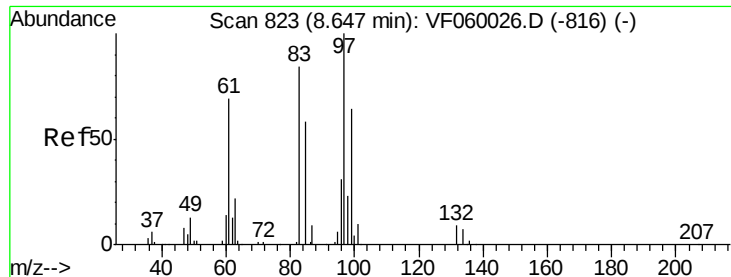
Tot Ion: 75 Resp: 122522
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 50.78 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion: 75 Resp: 134608
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 37.0
 39 72.4 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 59.37 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 78496

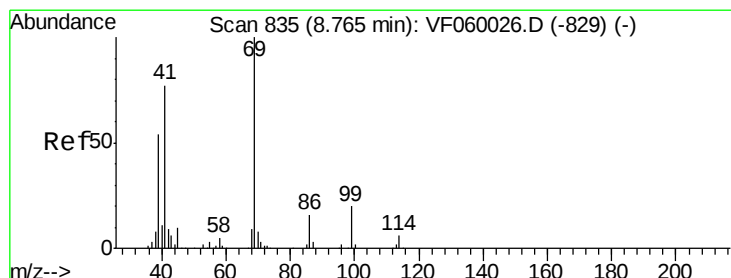
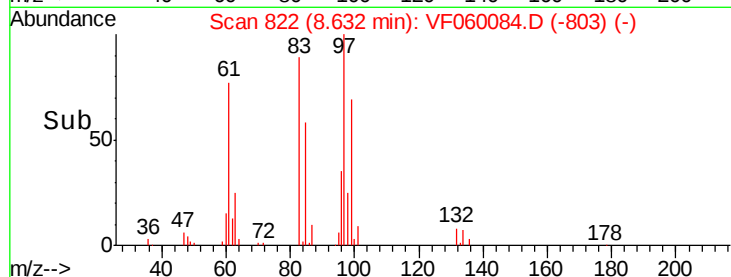
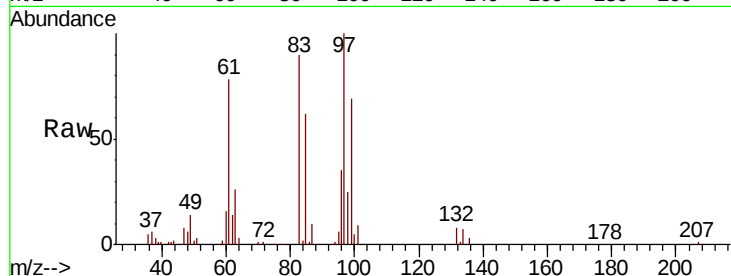
Ion	Ratio	Lower	Upper
97	100		
83	90.4	67.4	101.2
85	61.9	46.2	69.2
99	68.9	51.1	76.7

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 38.69 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

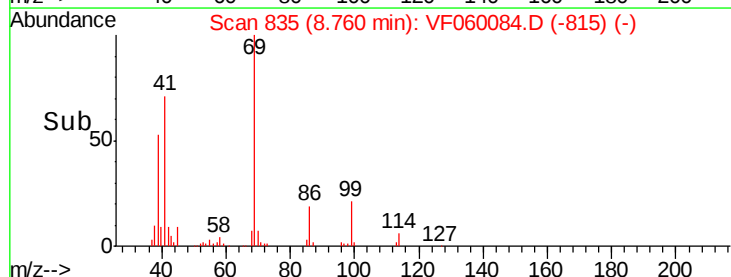
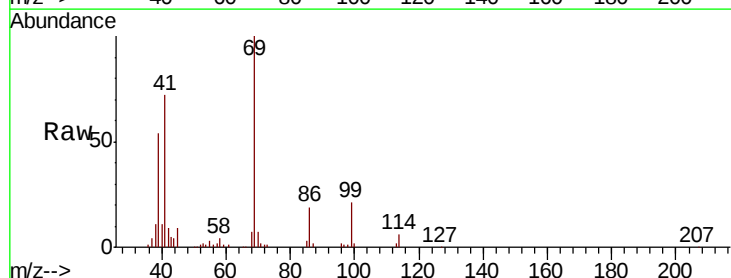
Tgt Ion: 69 Resp: 61919

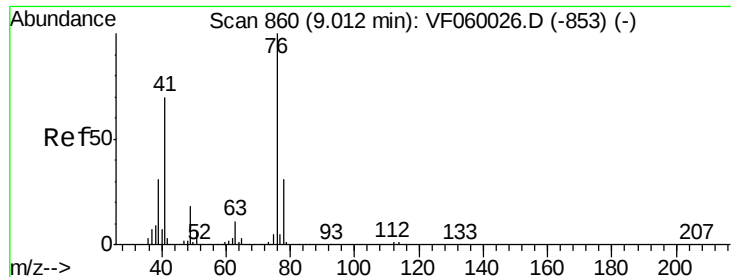
Ion	Ratio	Lower	Upper
69	100		
41	72.0	61.6	92.4
39	53.8	43.9	65.9

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.82 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

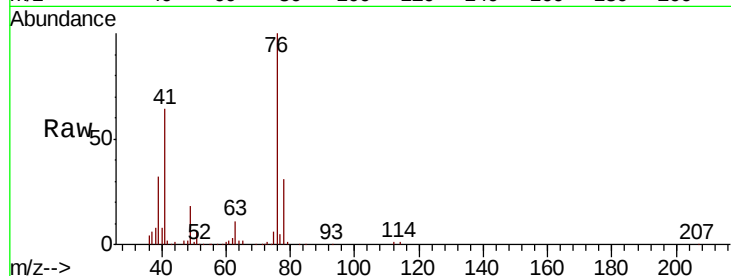
ClientSampleId :

Tot Ion: 76 Resp: 129712

Ion Ratio Lower Upper

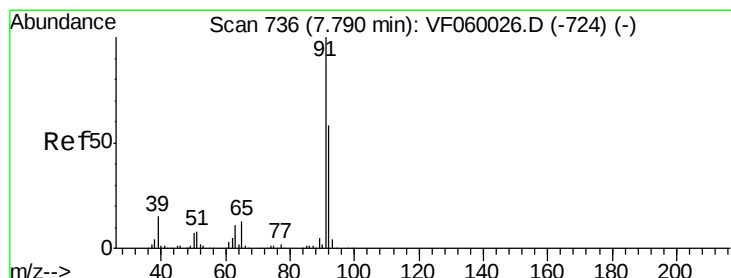
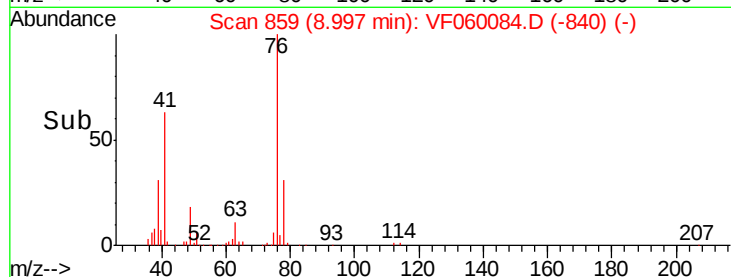
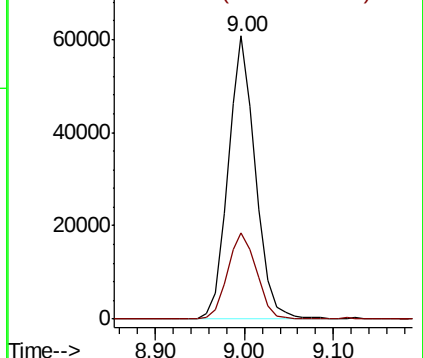
76 100

78 30.7 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 266.56 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF060084.D

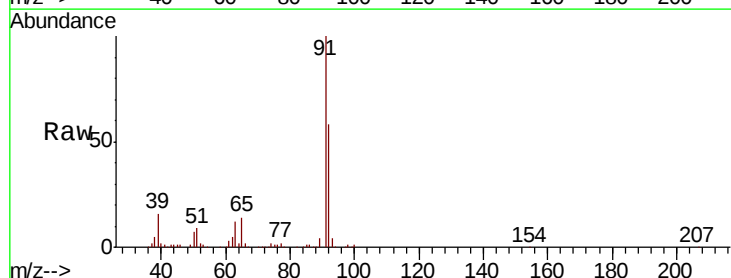
Acq: 24 Aug 2018 7:21

Tgt Ion: 63 Resp: 33858

Ion Ratio Lower Upper

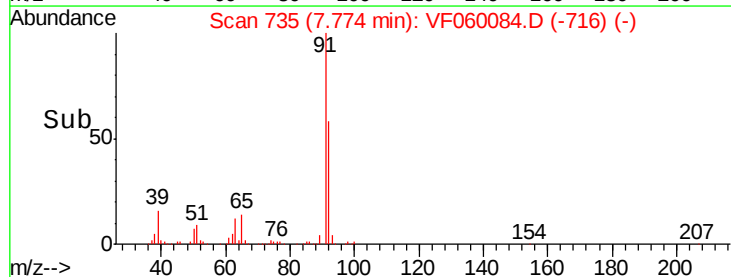
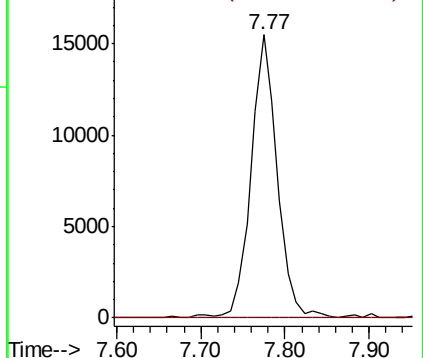
63 100

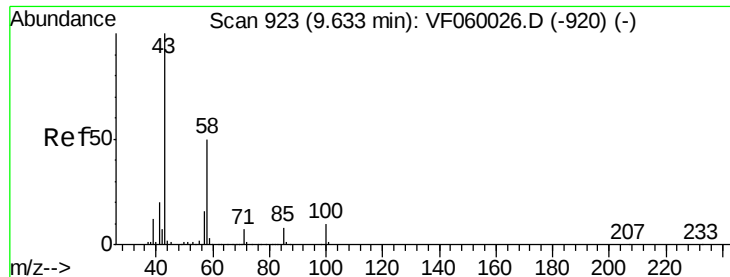
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

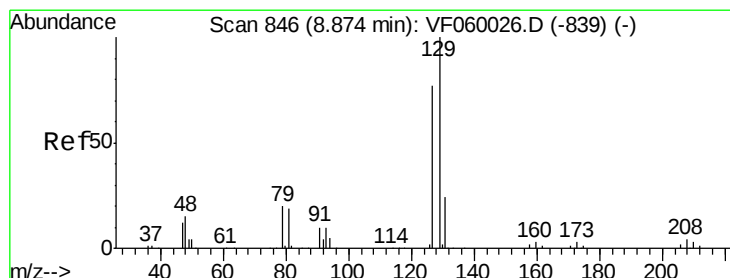
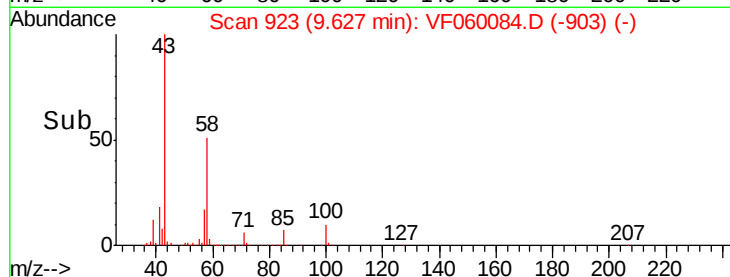
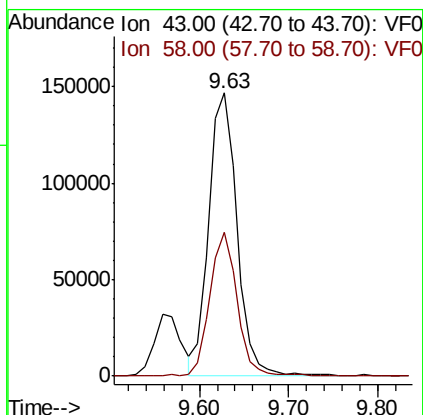
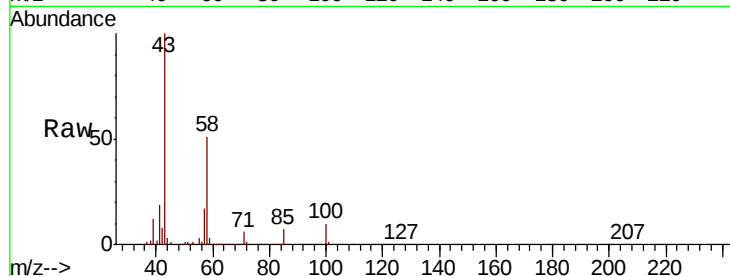




#59
2-Hexanone
Concen: 272.49 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

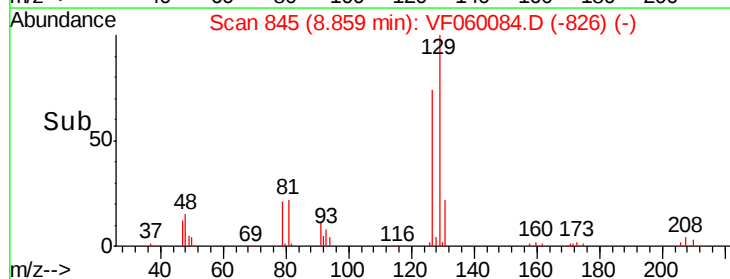
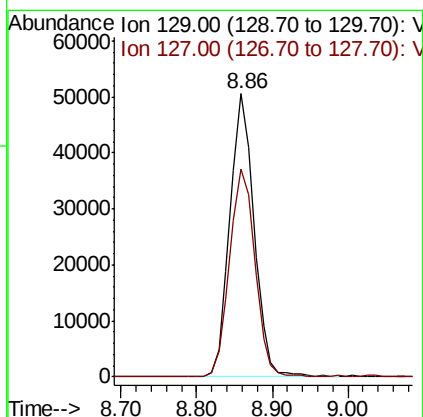
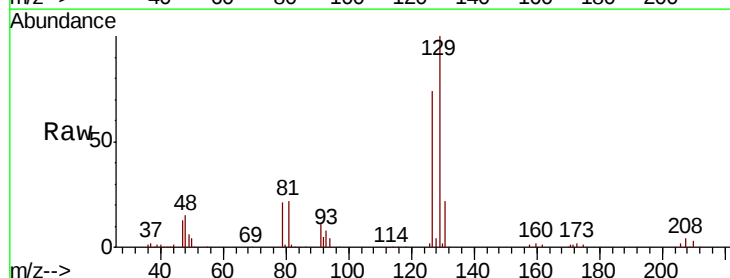
Instrument :
MSVOA_F
ClientSampleId :

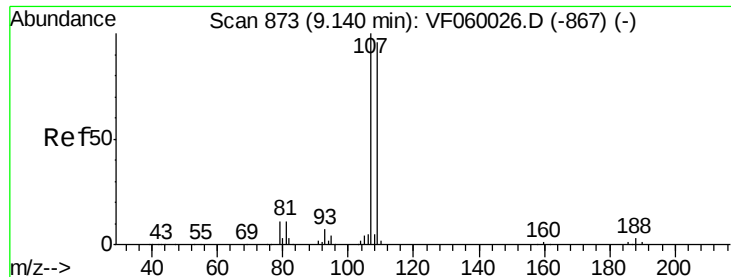
Tot Ion: 43 Resp: 321536
Ion Ratio Lower Upper
43 100
58 50.7 23.4 70.2



#60
Dibromochloromethane
Concen: 57.27 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 129 Resp: 111772
Ion Ratio Lower Upper
129 100
127 73.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.42 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

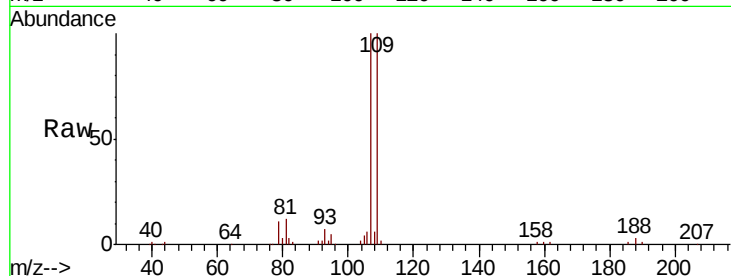
ClientSampleId :

Tot Ion:107 Resp: 86048

Ion Ratio Lower Upper

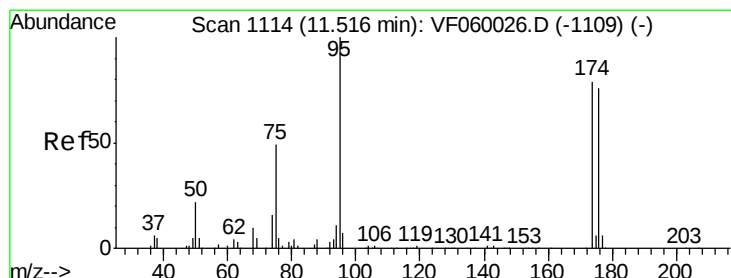
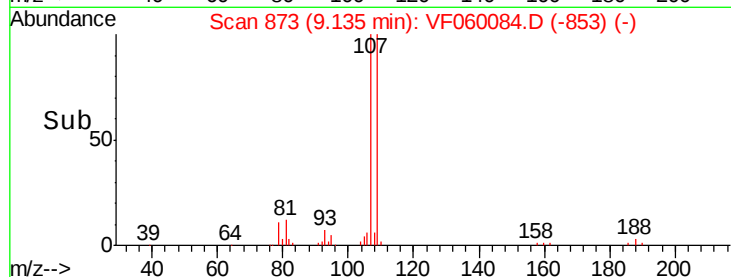
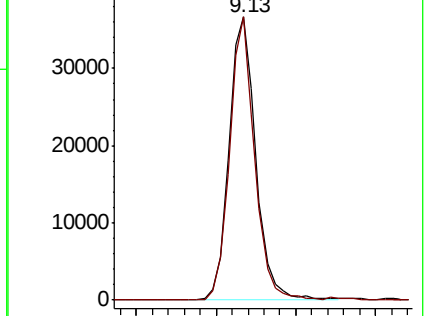
107 100

109 99.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 56.25 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

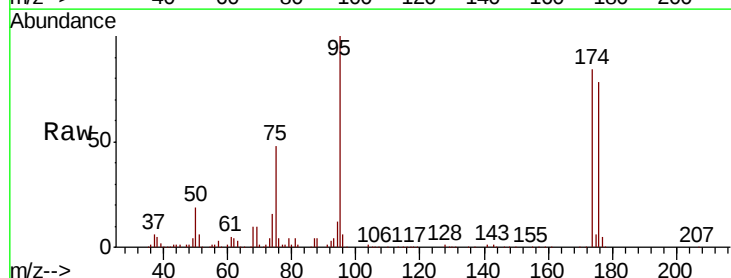
Tgt Ion: 95 Resp: 158376

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.4

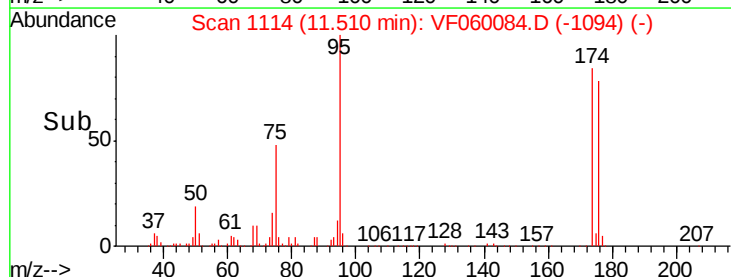
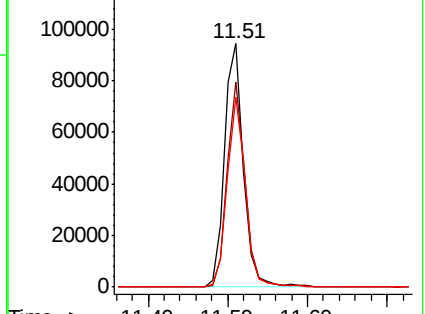
176 78.2 0.0 153.0

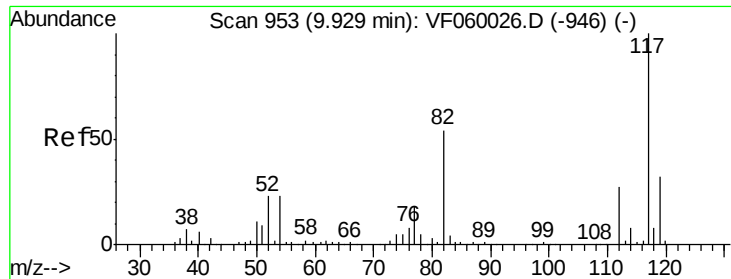


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

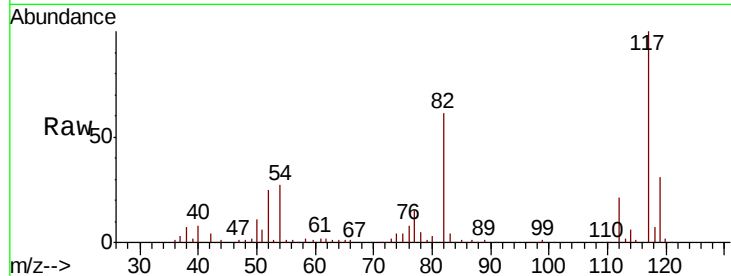




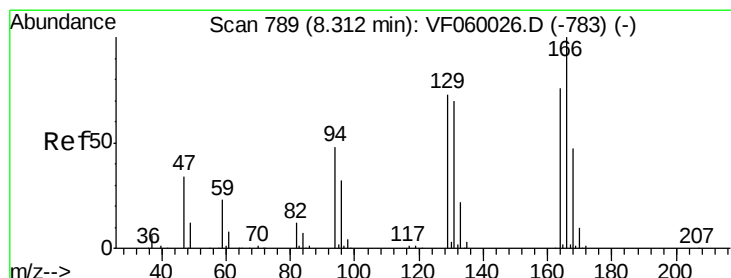
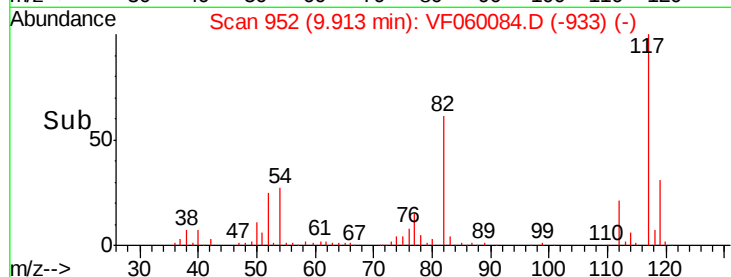
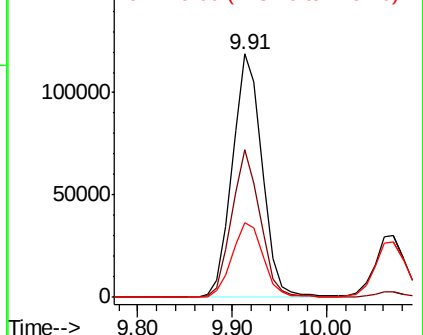
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 259358
Ion Ratio Lower Upper
117 100
82 60.7 43.6 65.4
119 30.6 25.6 38.4

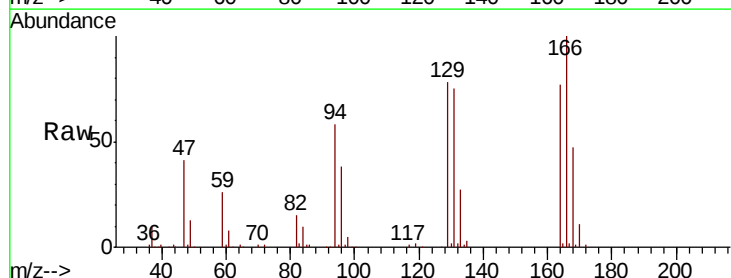


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

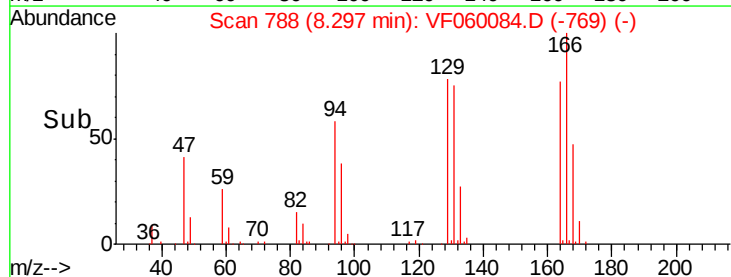
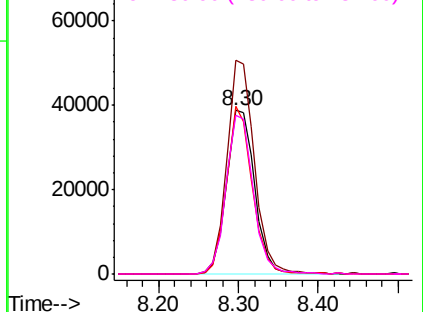


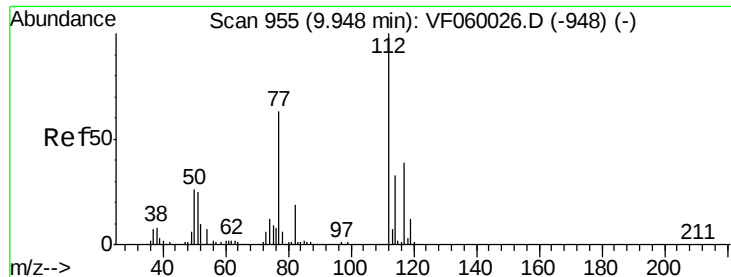
#64
Tetrachloroethene
Concen: 55.20 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion:164 Resp: 96441
Ion Ratio Lower Upper
164 100
166 130.6 104.7 157.1
129 102.3 77.0 115.4
131 97.3 72.9 109.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

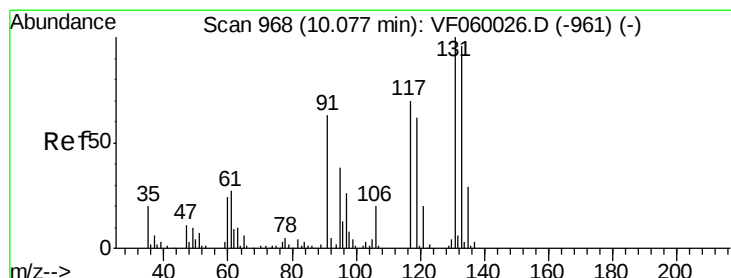
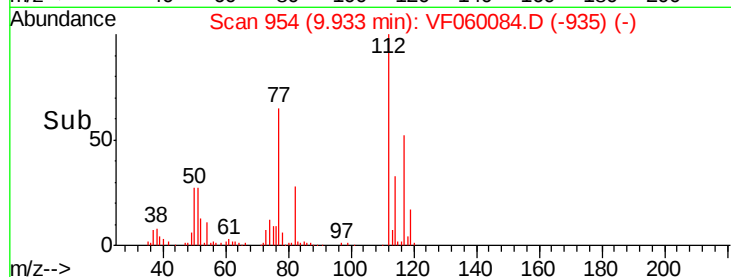
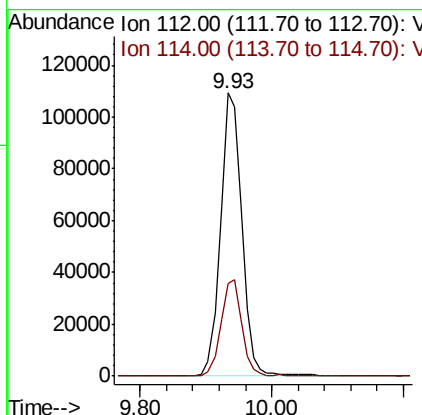
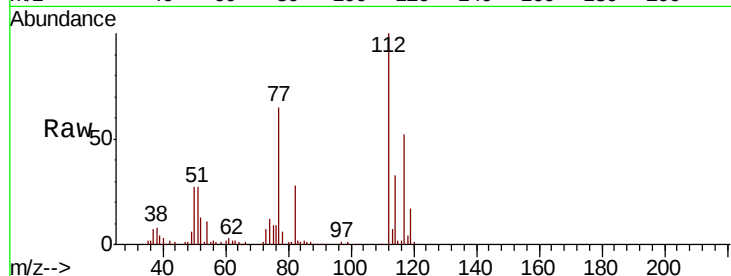




#65
Chlorobenzene
Concen: 50.58 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

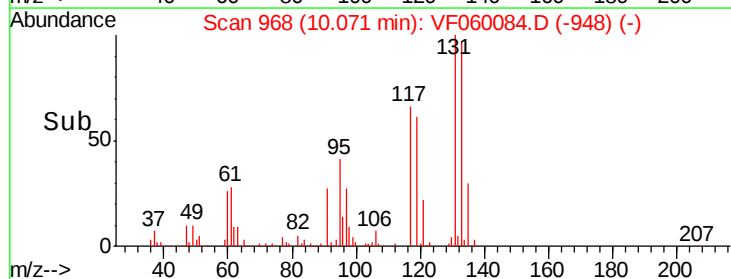
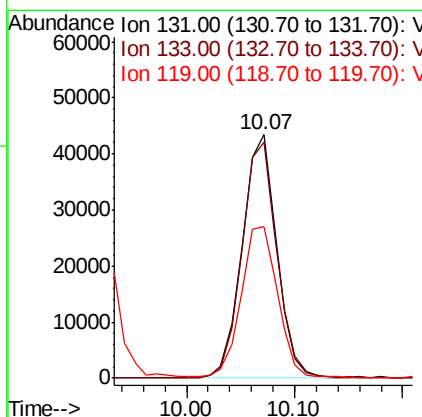
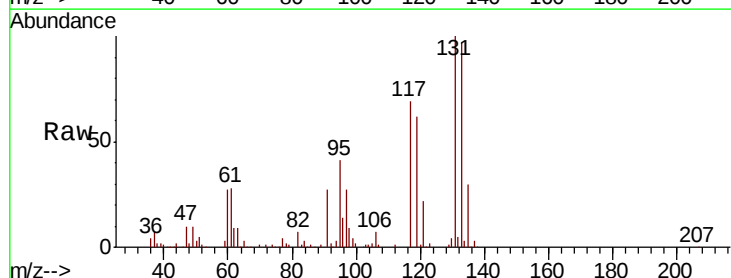
Instrument :
MSVOA_F
ClientSampleId :

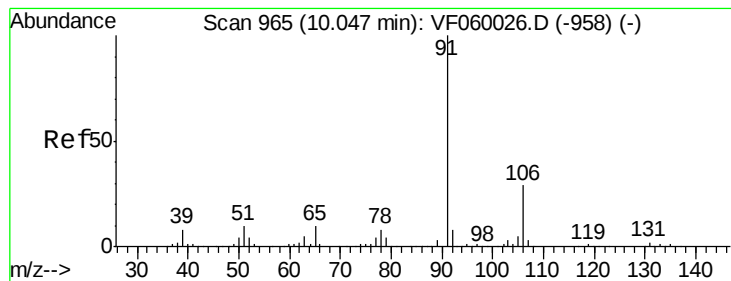
Tot Ion:112 Resp: 247697
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.09 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion:131 Resp: 96761
Ion Ratio Lower Upper
131 100
133 96.9 48.2 144.6
119 62.3 31.4 94.2





#67

Ethyl Benzene

Concen: 50.67 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

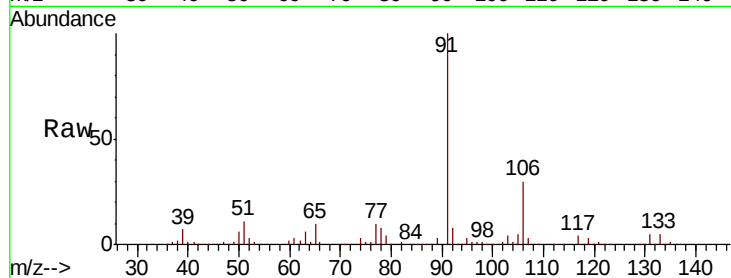
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 428144

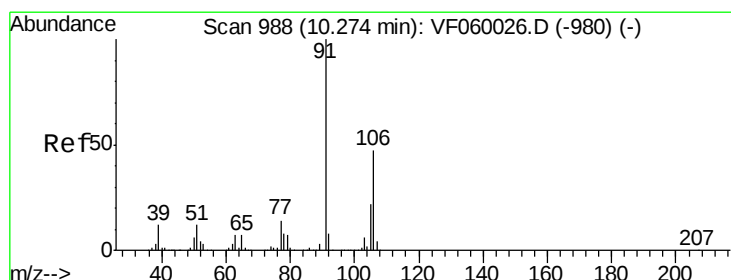
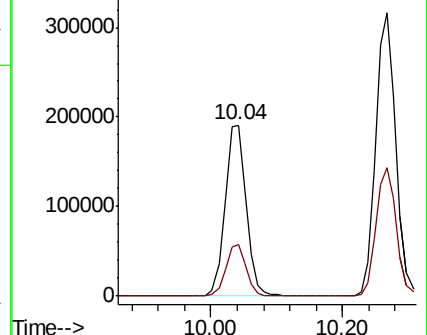
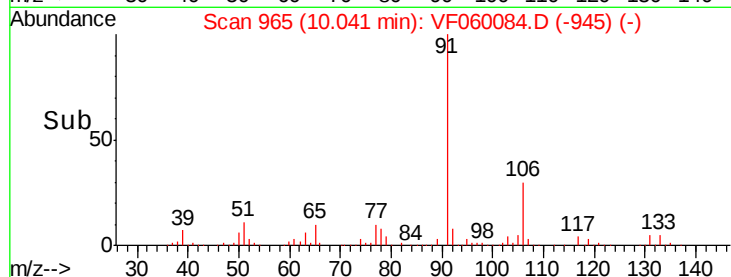
Ion Ratio Lower Upper

91 100

106 30.5 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF060084.D (-945) (-)



#68

m/p-Xylenes

Concen: 114.62 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF060084.D

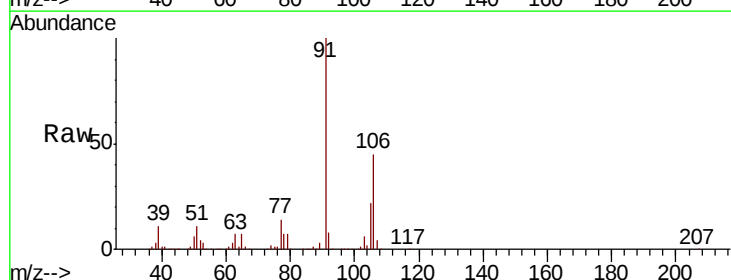
Acq: 24 Aug 2018 7:21

Tgt Ion: 106 Resp: 312168

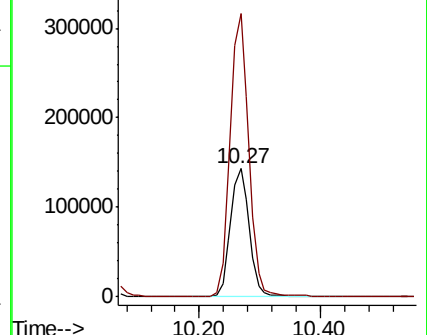
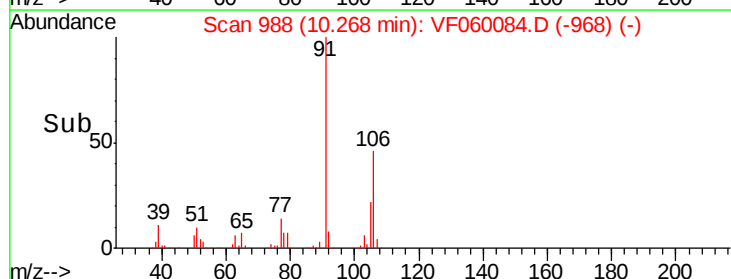
Ion Ratio Lower Upper

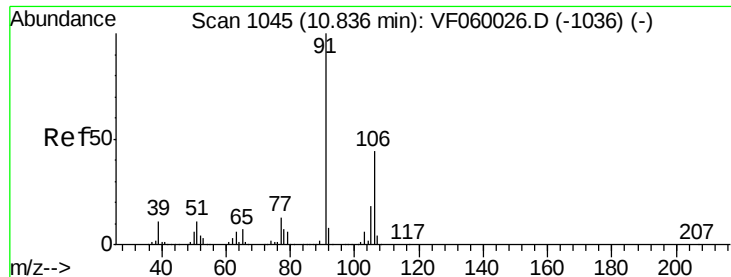
106 100

91 220.7 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): VF060084.D (-968) (-)

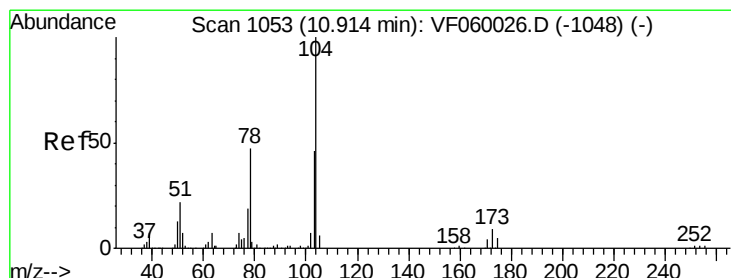
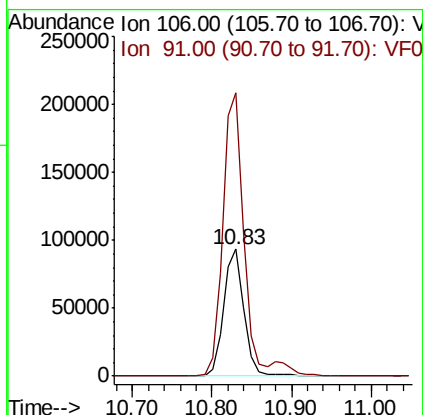
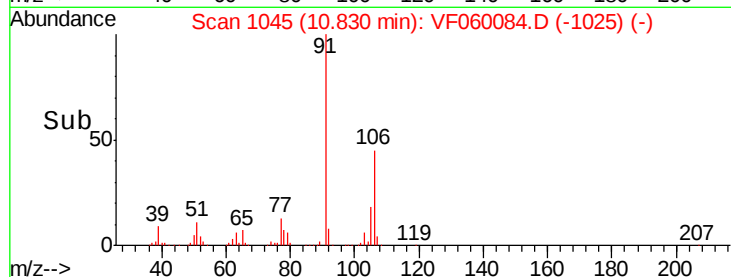
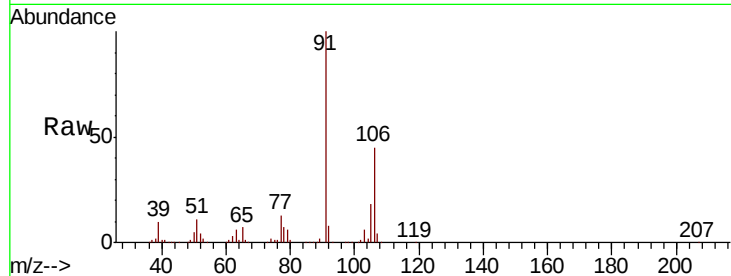




#69
o-Xylene
Concen: 50.82 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

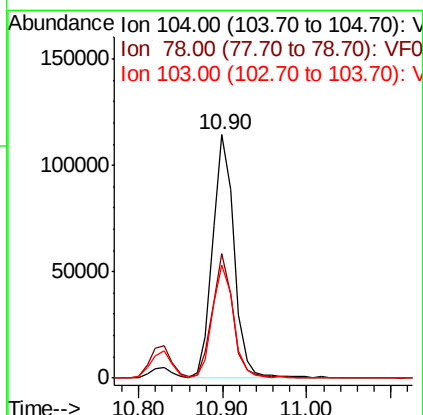
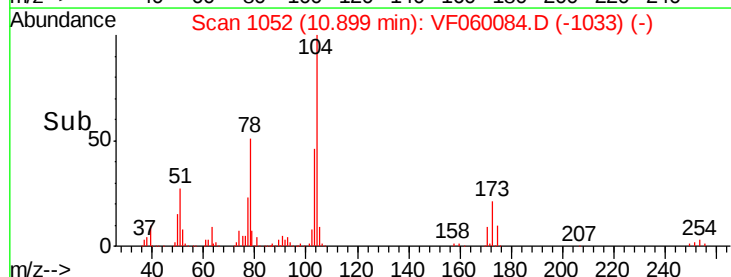
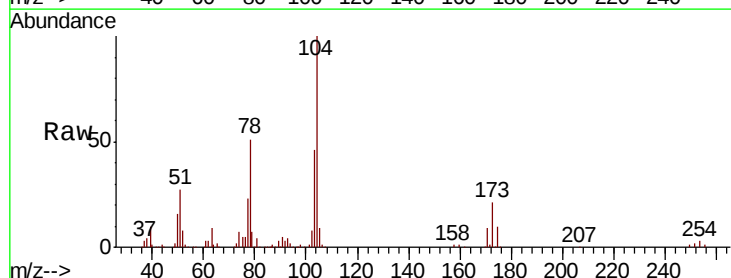
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 168268
Ion Ratio Lower Upper
106 100
91 223.4 112.5 337.5



#70
Styrene
Concen: 39.95 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion:104 Resp: 202926
Ion Ratio Lower Upper
104 100
78 51.2 38.0 57.0
103 46.4 37.6 56.4





#71

Bromoform

Concen: 55.30 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

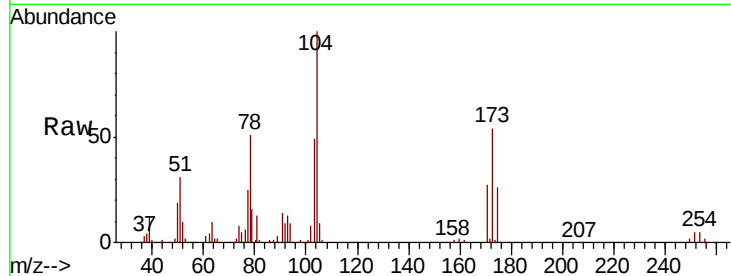
Tot Ion:173 Resp: 71665

Ion Ratio Lower Upper

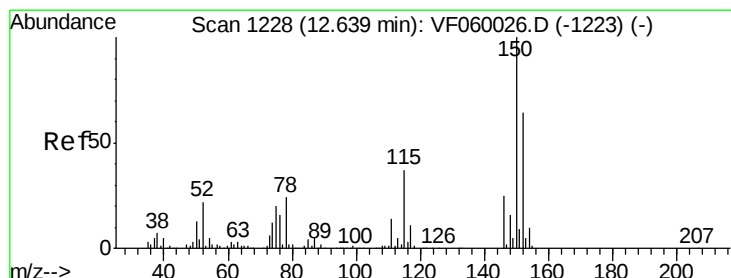
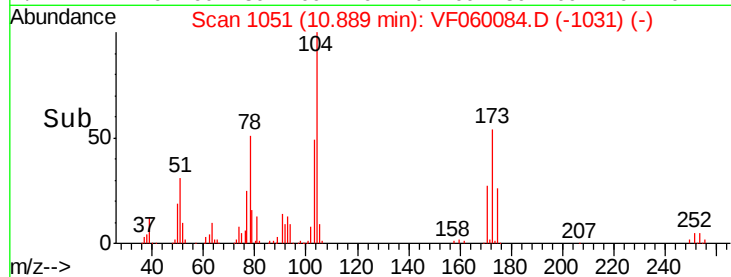
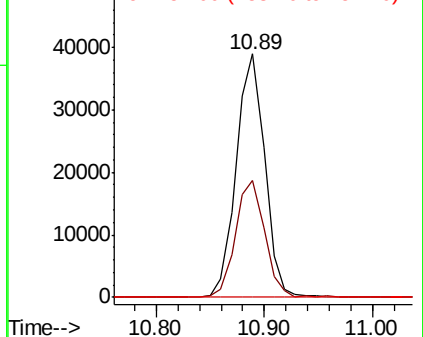
173 100

175 48.1 24.7 74.1

254 0.3 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

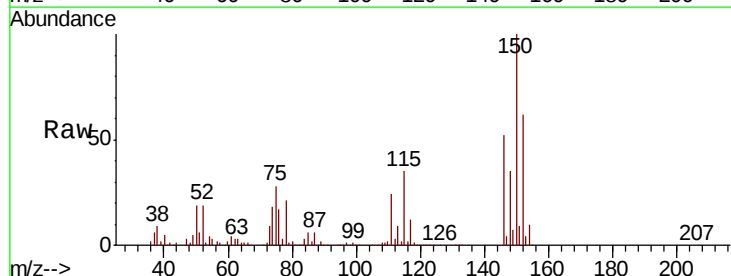
Tgt Ion:152 Resp: 155321

Ion Ratio Lower Upper

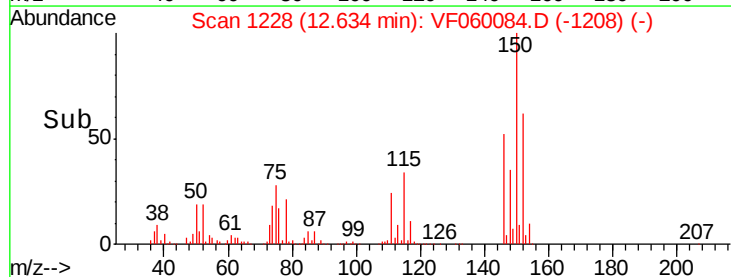
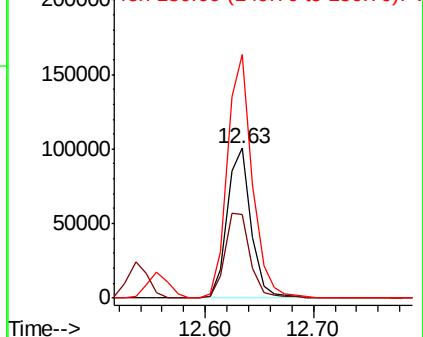
152 100

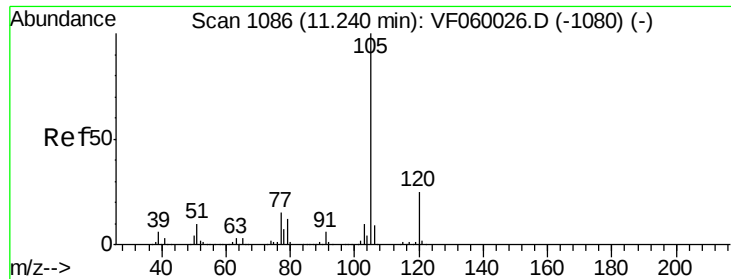
115 56.2 28.6 85.9

150 162.6 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.85 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

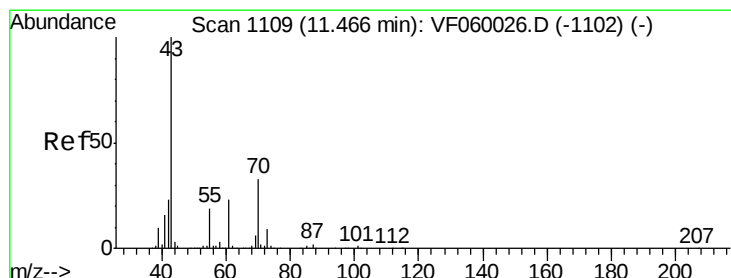
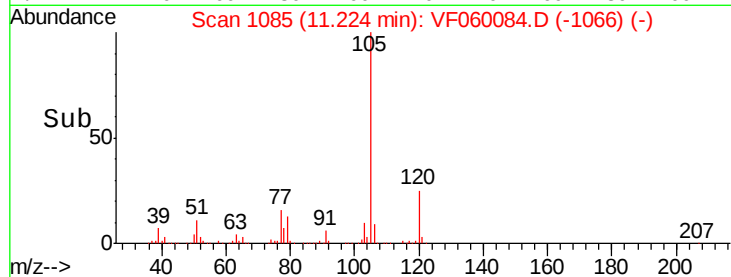
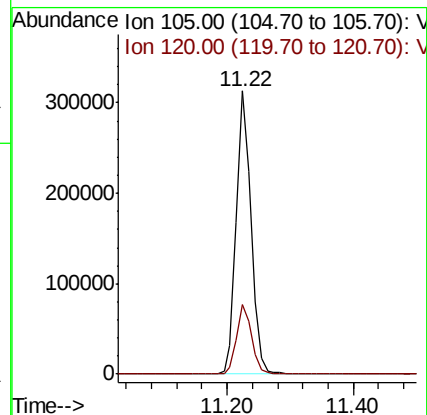
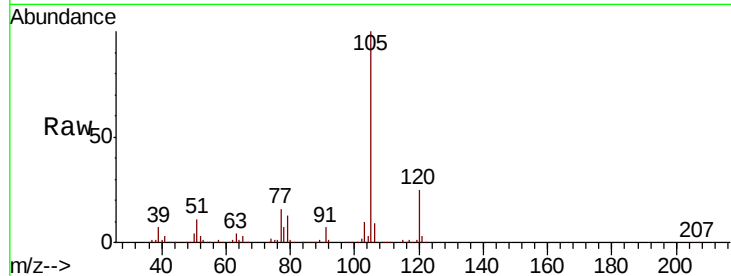
ClientSampleId :

Tot Ion:105 Resp: 503425

Ion Ratio Lower Upper

105 100

120 24.6 12.7 38.0



#74

N-ethyl acetate

Concen: 29.88 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Tgt Ion: 43 Resp: 86834

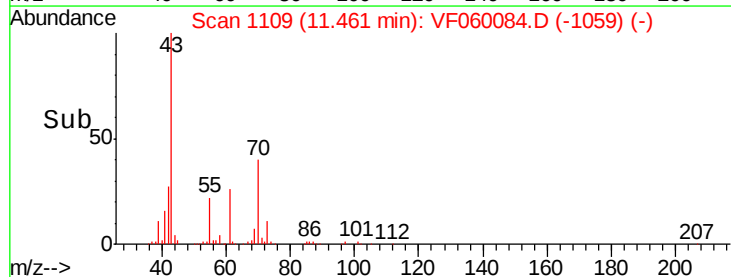
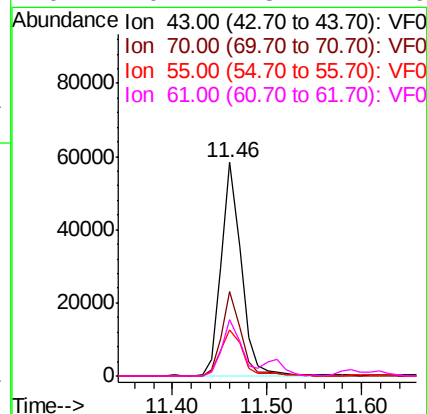
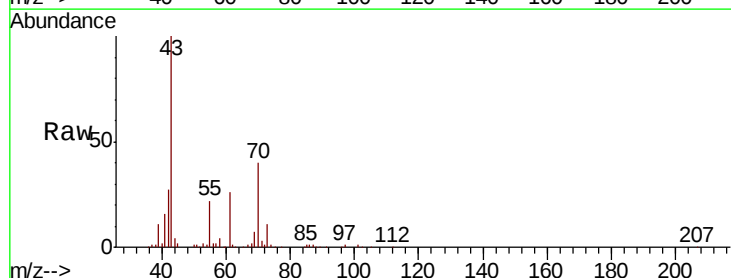
Ion Ratio Lower Upper

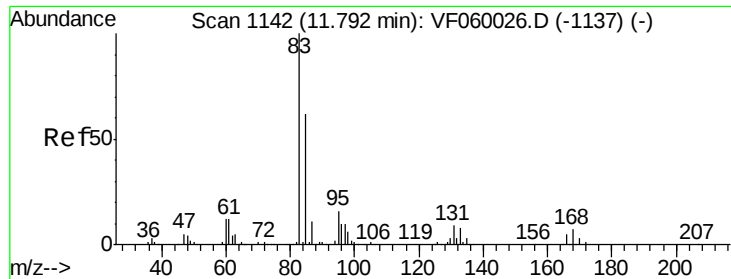
43 100

70 39.7 26.4 39.6#

55 21.9 15.0 22.4

61 26.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.26 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

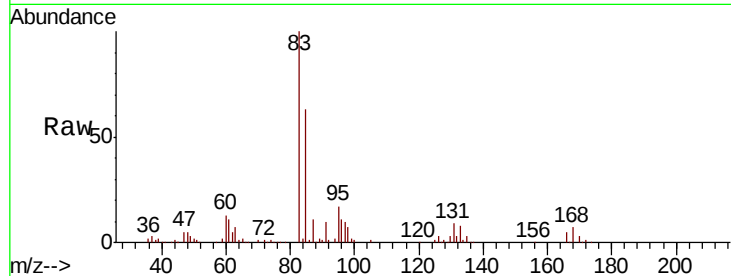
Tot Ion: 83 Resp: 123046

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.7
85	63.1	31.3	93.9

83 100

131 8.8 4.5 13.7

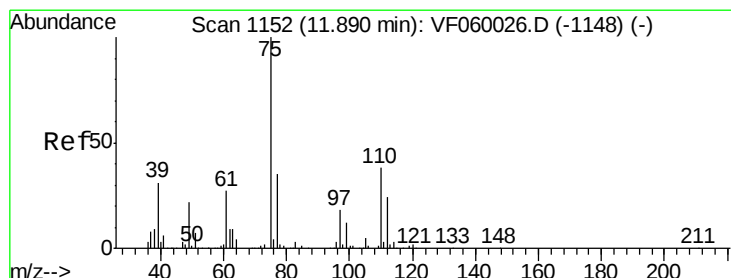
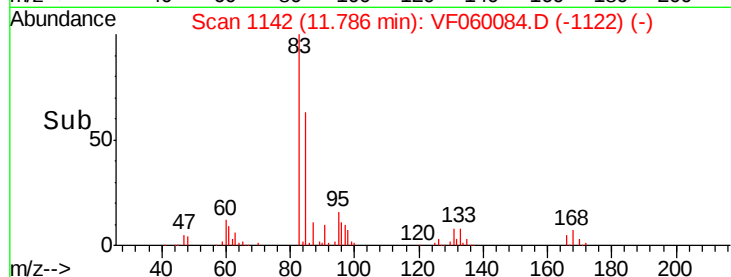
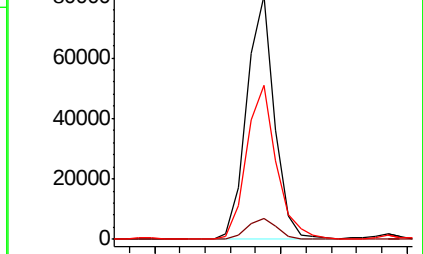
85 63.1 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 58.97 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060084.D

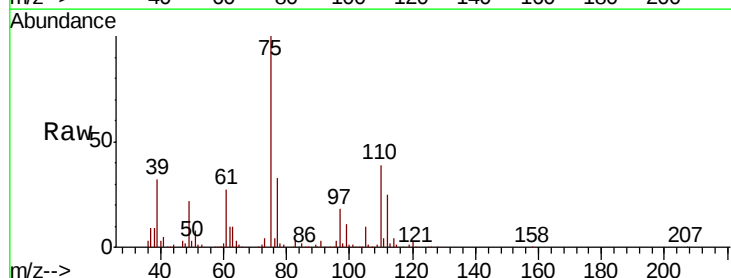
Acq: 24 Aug 2018 7:21

Tgt Ion: 75 Resp: 93379

Ion	Ratio	Lower	Upper
75	100		
77	33.0	17.3	52.0

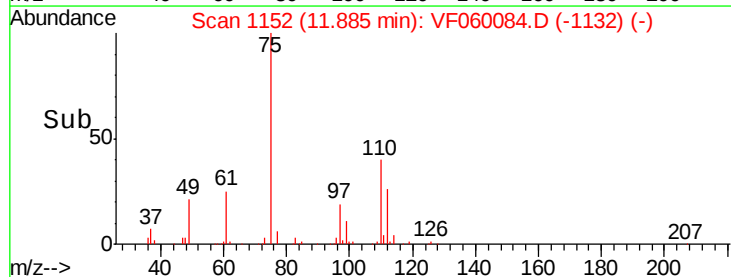
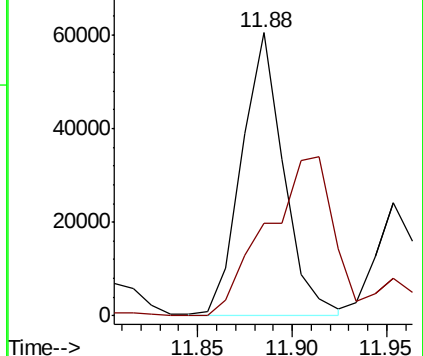
75 100

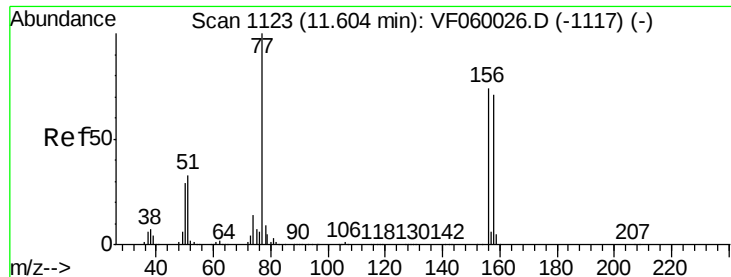
77 33.0 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.95 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

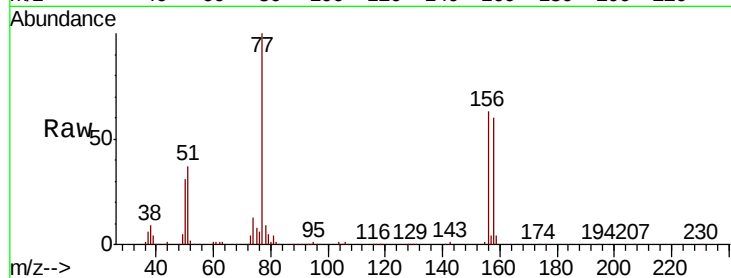
Tot Ion:156 Resp: 132082

Ion Ratio Lower Upper

156 100

77 159.7 68.0 204.0

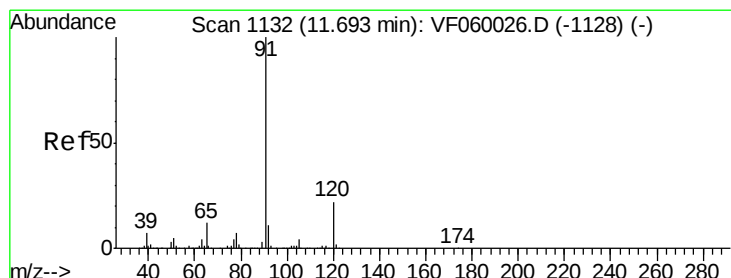
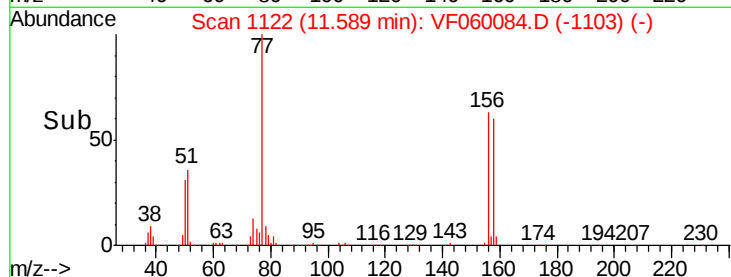
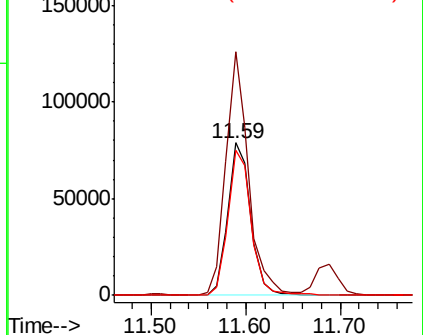
158 95.5 48.4 145.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 53.04 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060084.D

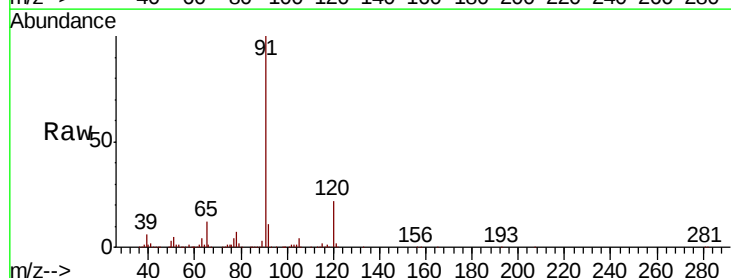
Acq: 24 Aug 2018 7:21

Tgt Ion: 91 Resp: 612029

Ion Ratio Lower Upper

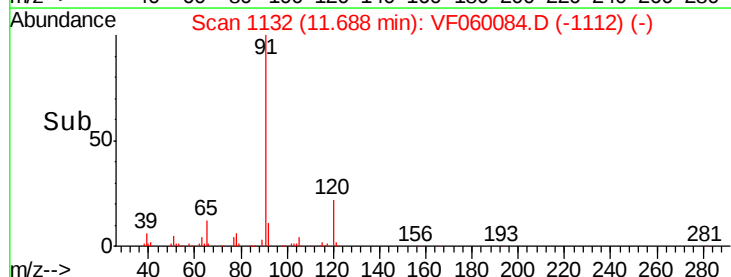
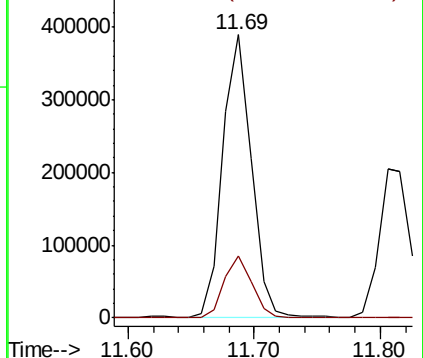
91 100

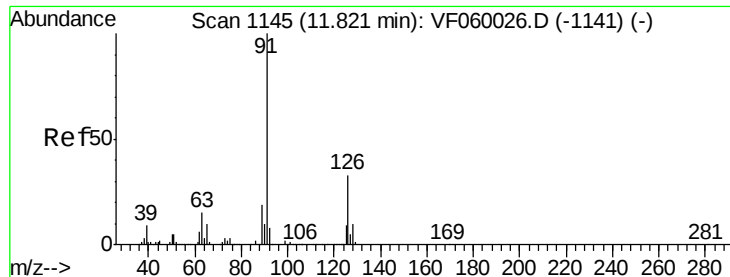
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.66 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

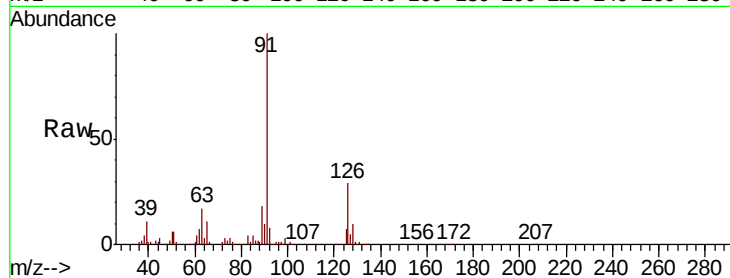
ClientSampleId :

Tot Ion: 91 Resp: 343763

Ion Ratio Lower Upper

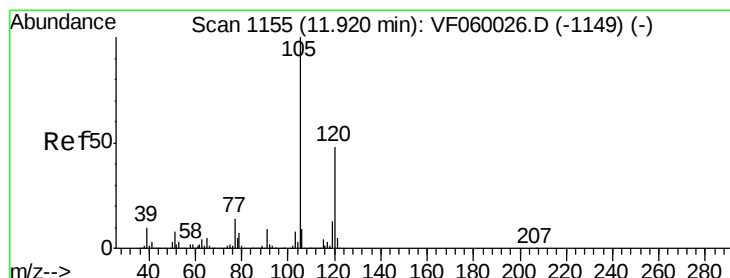
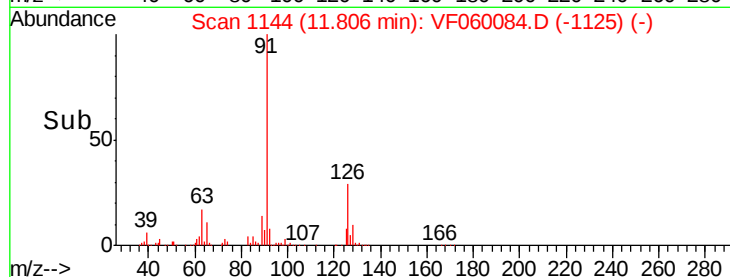
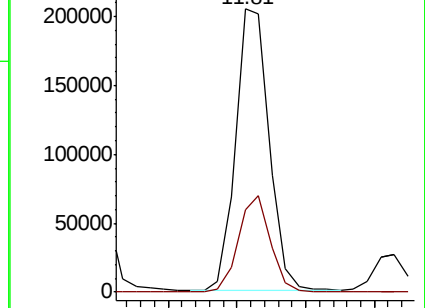
91 100

126 29.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.77 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060084.D

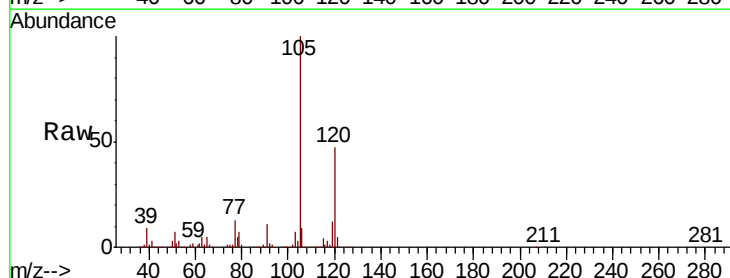
Acq: 24 Aug 2018 7:21

Tgt Ion:105 Resp: 413573

Ion Ratio Lower Upper

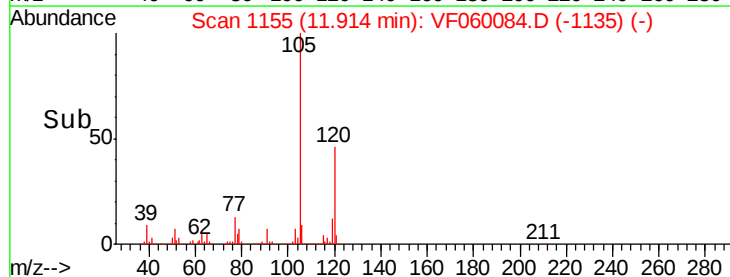
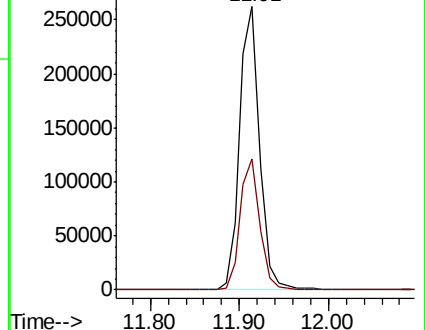
105 100

120 46.5 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

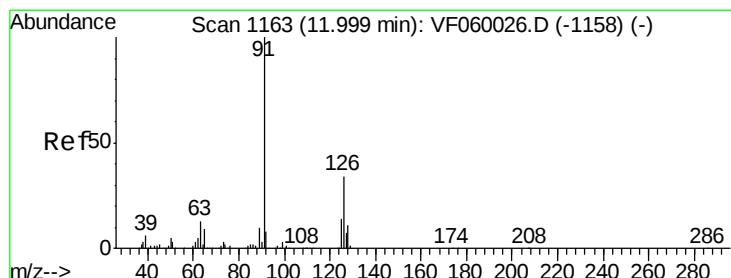
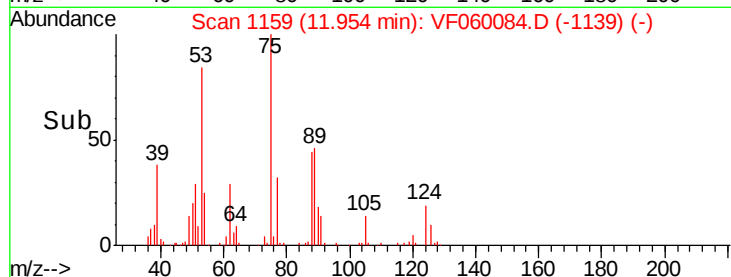
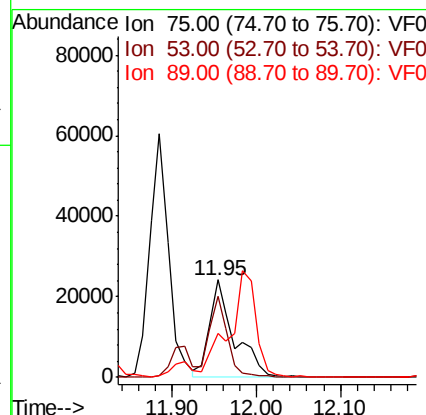
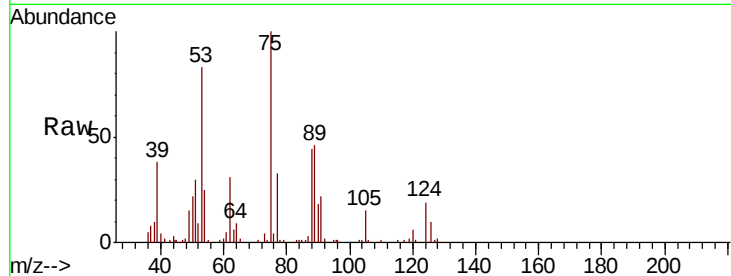




#81
trans-1,4-Dichloro-2-butene
Concen: 69.15 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

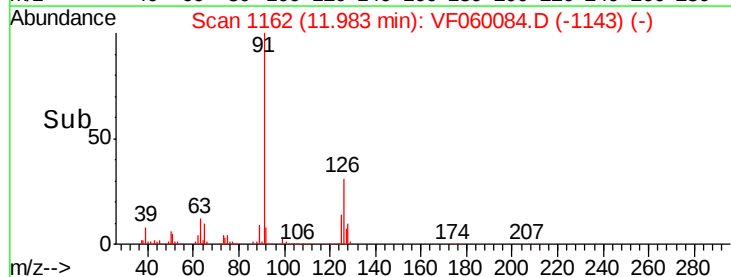
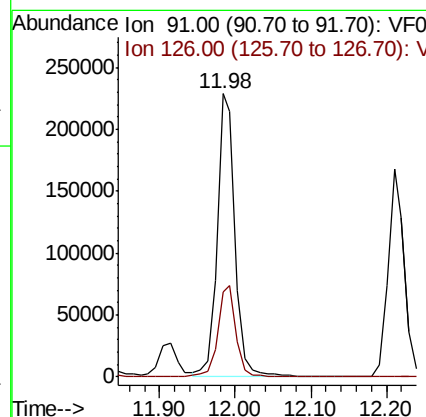
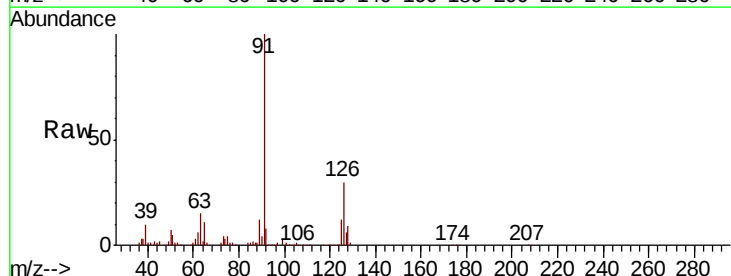
Instrument :
MSVOA_F
ClientSampleId :

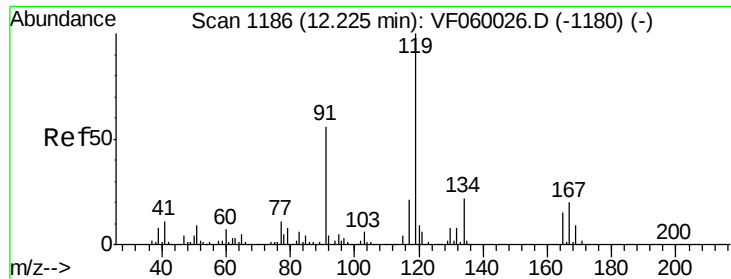
Tot Ion: 75 Resp: 50098
Ion Ratio Lower Upper
75 100
53 83.4 66.2 99.4
89 45.6 42.8 64.2



#82
4-Chlorotoluene
Concen: 51.31 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.02 min
Lab File: VF060084.D
Acq: 24 Aug 2018 7:21

Tgt Ion: 91 Resp: 378016
Ion Ratio Lower Upper
91 100
126 30.0 17.0 50.9





#83

tert-Butylbenzene

Concen: 50.15 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

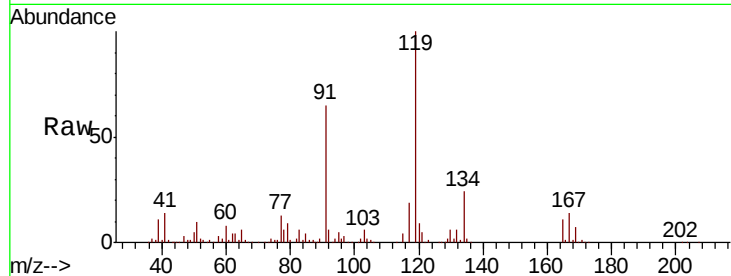
Tot Ion:119 Resp: 398447

Ion Ratio Lower Upper

119 100

91 65.4 28.1 84.3

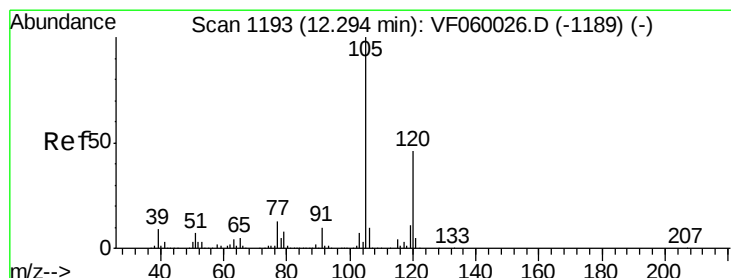
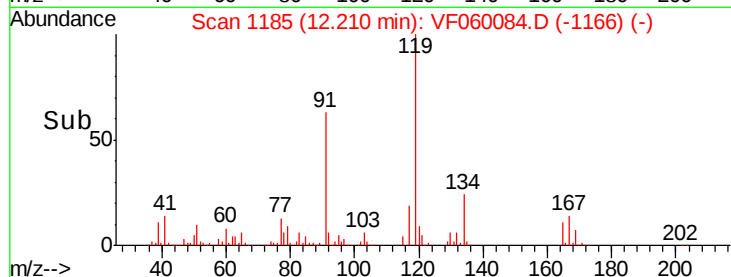
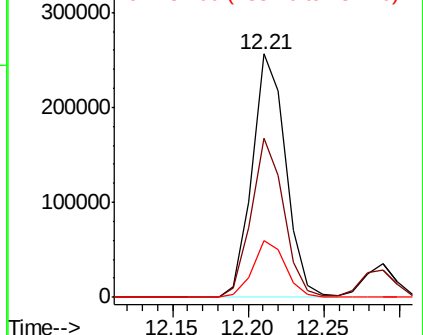
134 23.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.78 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VF060084.D

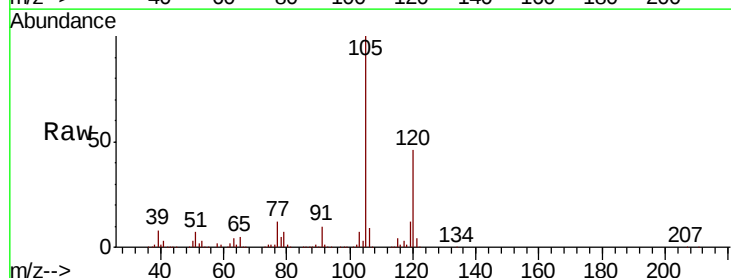
Acq: 24 Aug 2018 7:21

Tgt Ion:105 Resp: 439747

Ion Ratio Lower Upper

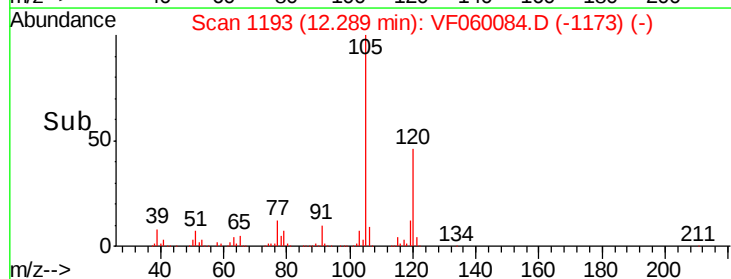
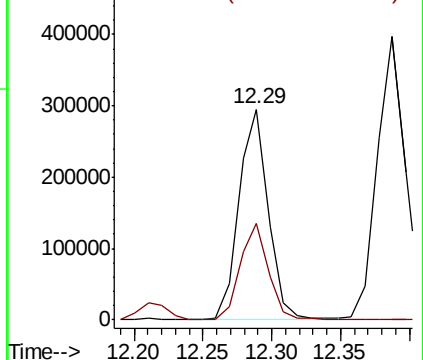
105 100

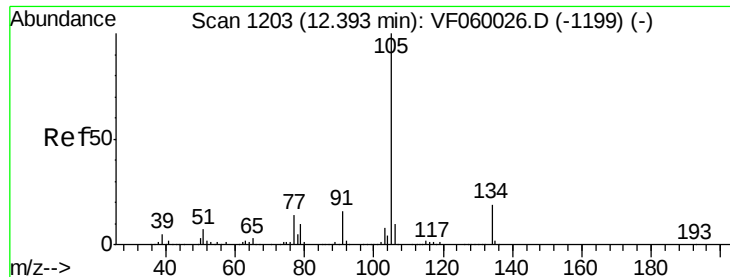
120 45.6 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.57 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

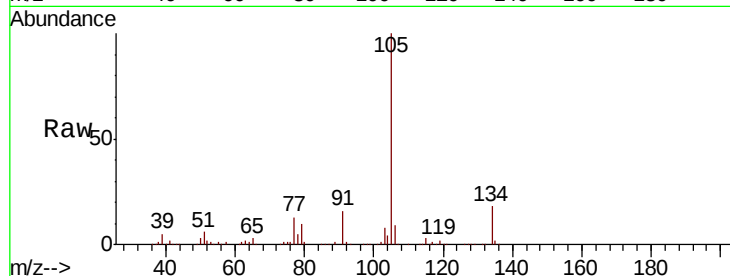
ClientSampled :

Tot Ion:105 Resp: 570396

Ion Ratio Lower Upper

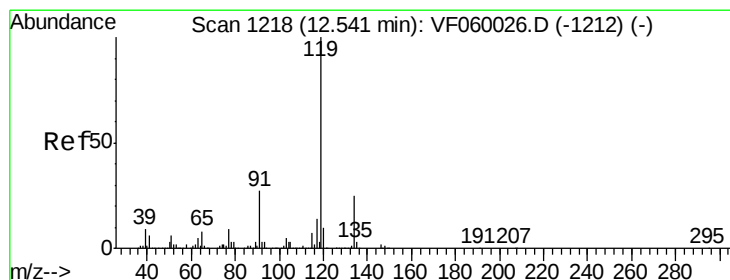
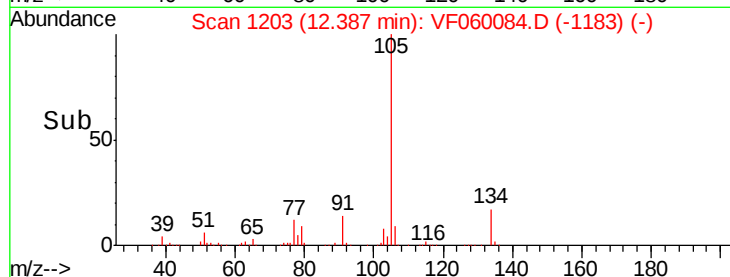
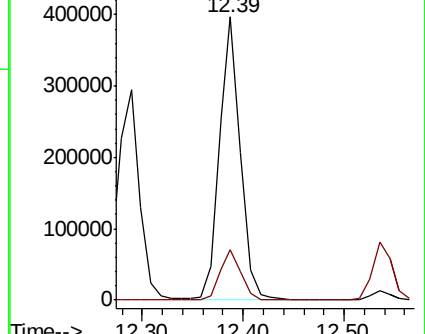
105 100

134 17.8 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.96 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

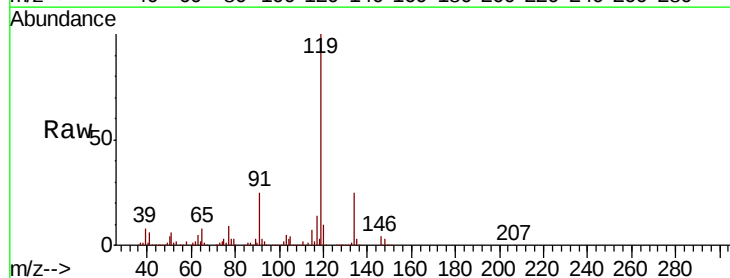
Tgt Ion:119 Resp: 458425

Ion Ratio Lower Upper

119 100

134 24.9 12.4 37.2

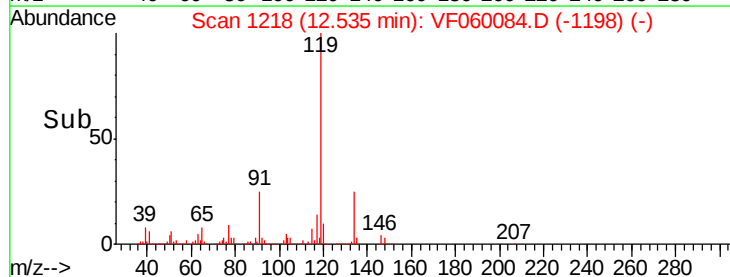
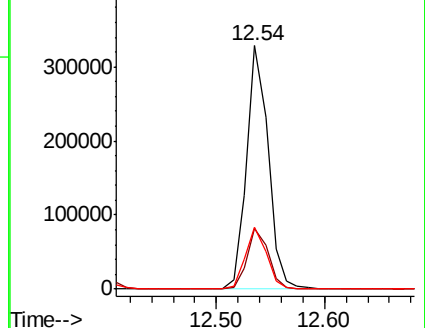
91 25.4 13.5 40.4

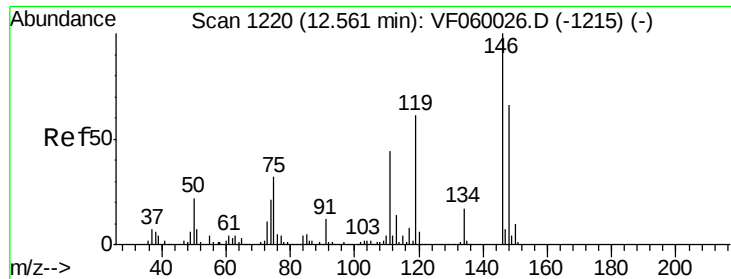


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

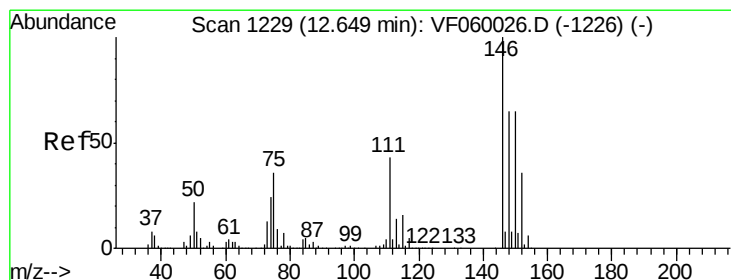
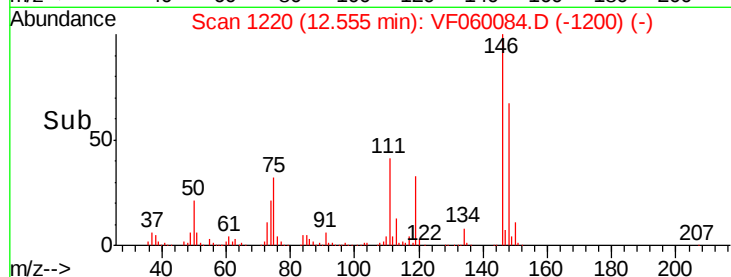
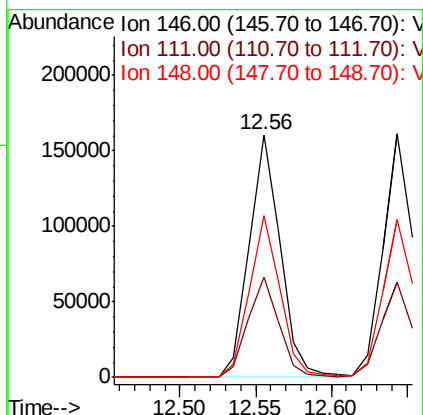
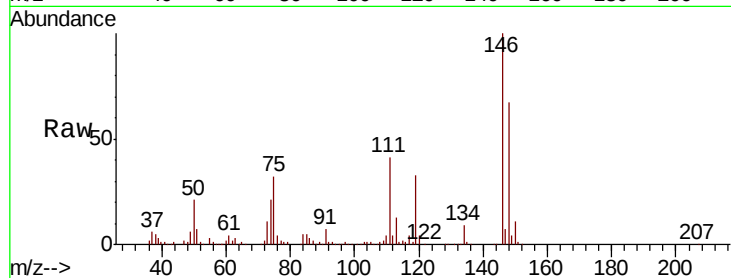




#87
 1,3-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

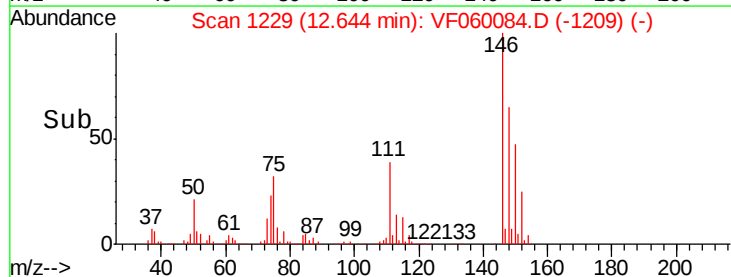
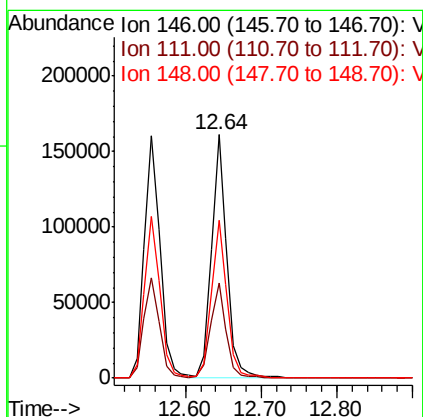
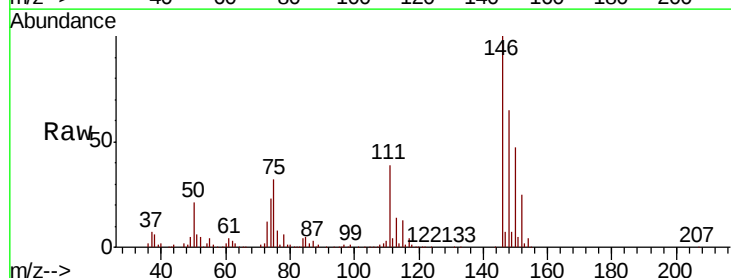
Instrument :
 MSVOA_F
 ClientSampleId :

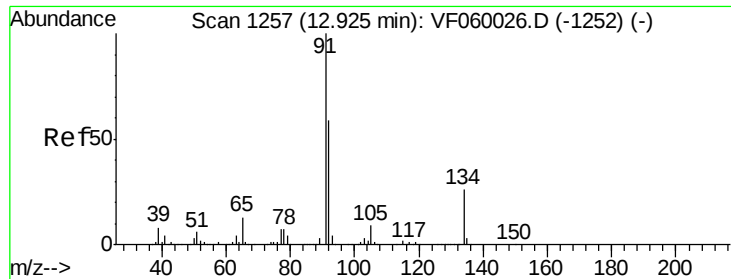
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.9	65.5
148	66.6	32.9	98.7



#88
 1,4-Dichlorobenzene
 Concen: 49.68 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.6	64.8
148	64.7	32.3	96.8





#89

n-Butylbenzene

Concen: 50.50 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

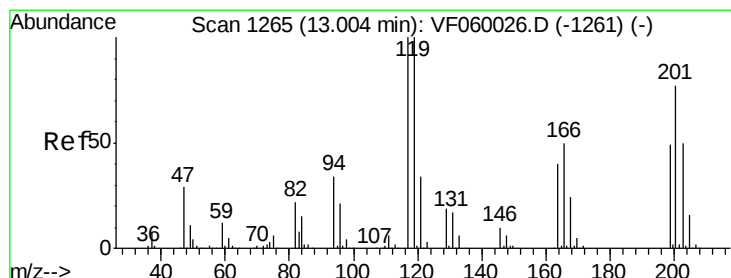
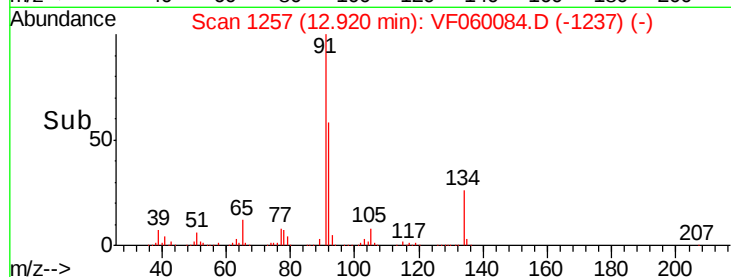
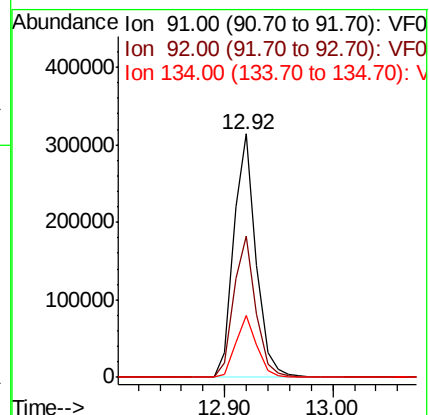
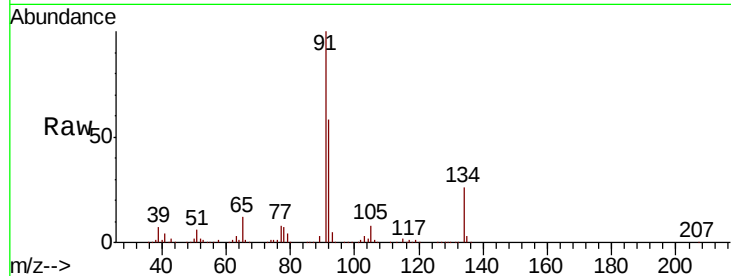
Tot Ion: 91 Resp: 450150

Ion Ratio Lower Upper

91 100

92 58.1 29.3 87.9

134 25.6 12.8 38.3



#90

Hexachloroethane

Concen: 54.11 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF060084.D

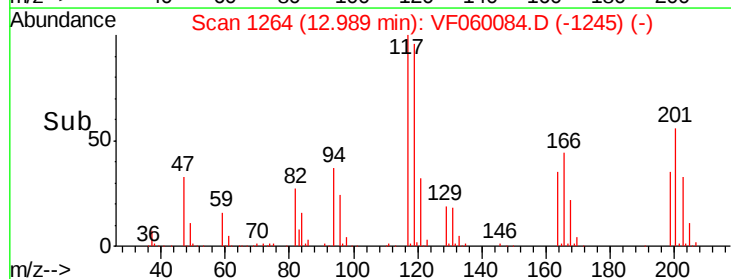
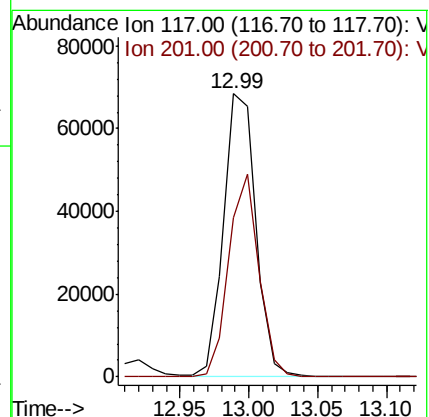
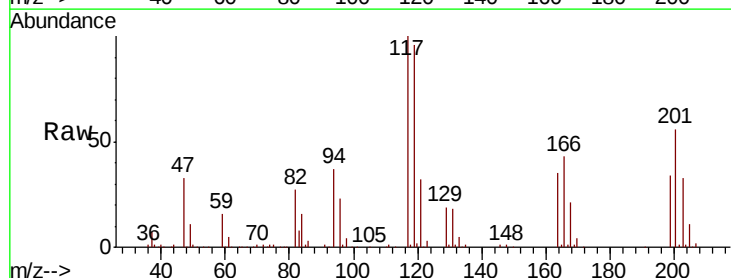
Acq: 24 Aug 2018 7:21

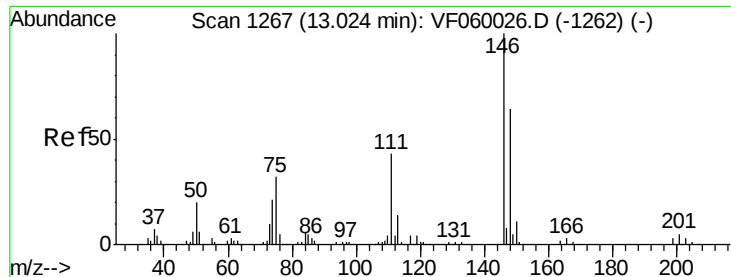
Tgt Ion: 117 Resp: 111569

Ion Ratio Lower Upper

117 100

201 57.4 38.6 115.8





#91

1,2-Dichlorobenzene

Concen: 53.30 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampled :

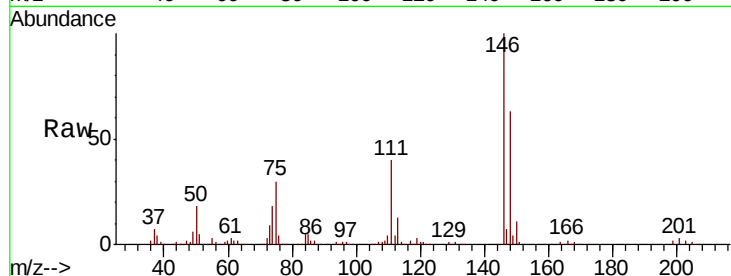
Tot Ion:146 Resp: 240979

Ion Ratio Lower Upper

146 100

111 40.4 21.6 64.6

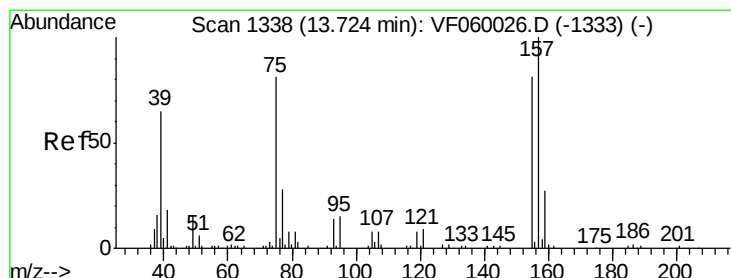
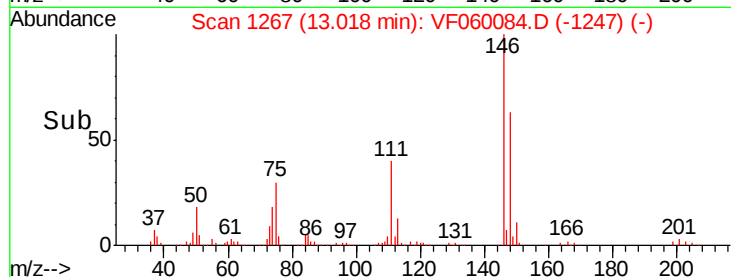
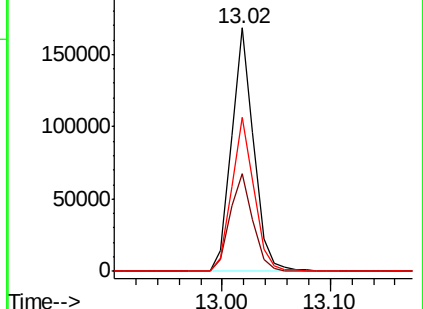
148 63.3 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.78 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

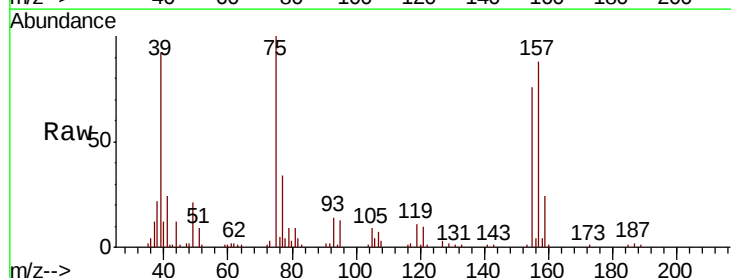
Tgt Ion: 75 Resp: 25359

Ion Ratio Lower Upper

75 100

155 76.3 49.8 149.3

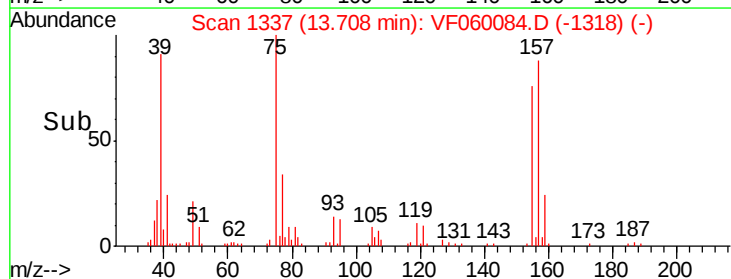
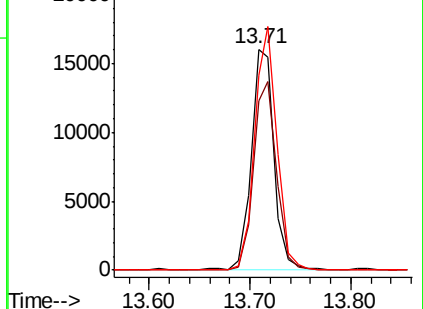
157 88.1 61.6 184.7

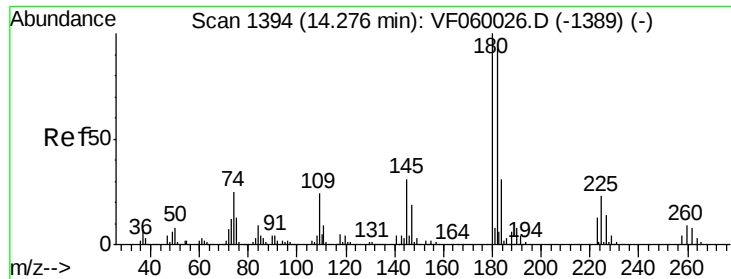


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

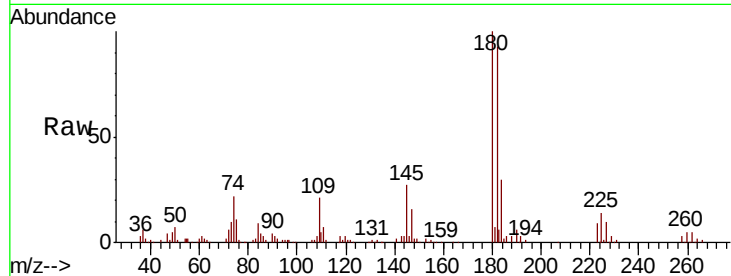




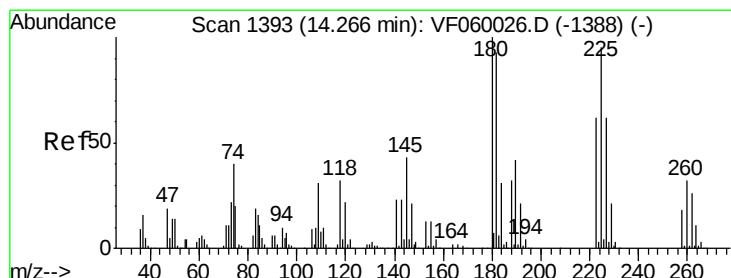
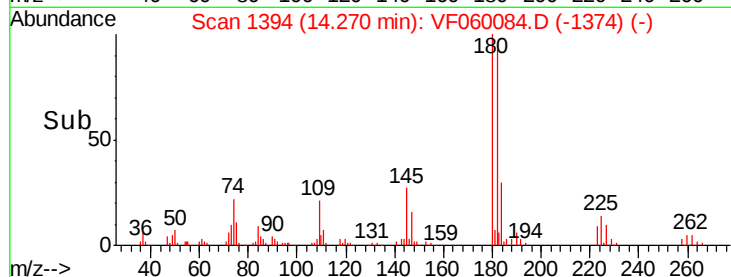
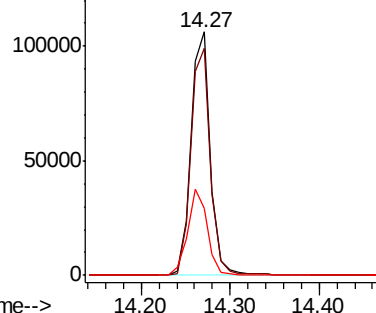
#93
 1,2,4-Trichlorobenzene
 Concen: 48.75 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.8	140.3
145	27.4	15.4	46.4

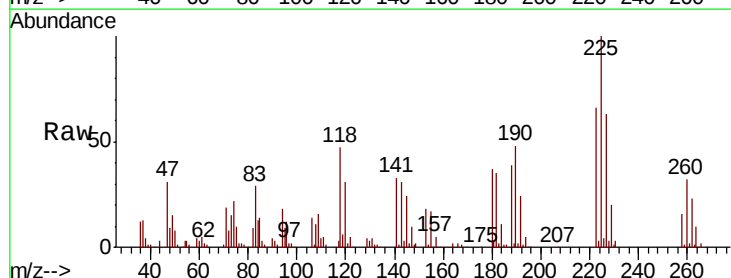


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

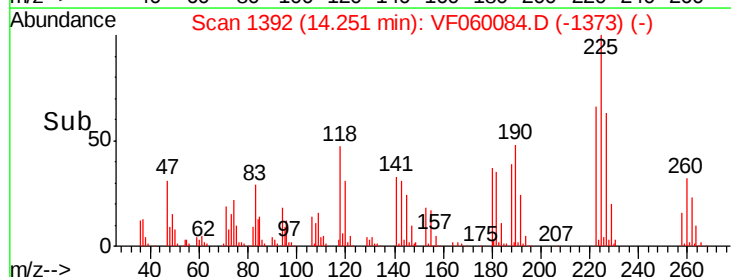
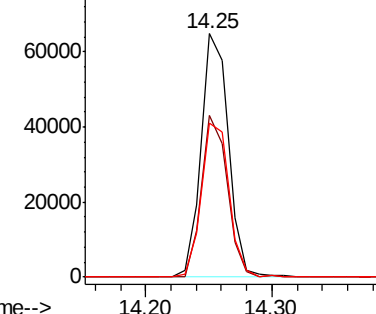


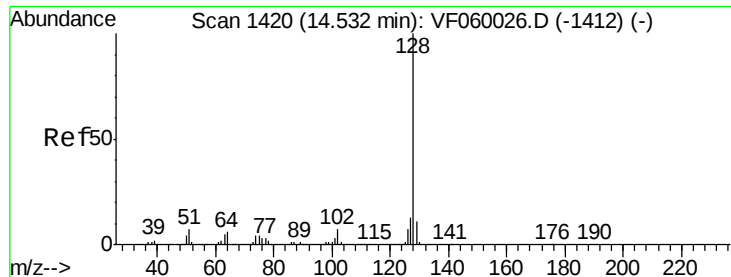
#94
 Hexachlorobutadiene
 Concen: 46.43 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.02 min
 Lab File: VF060084.D
 Acq: 24 Aug 2018 7:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	32.6	97.8
227	63.0	33.0	98.9



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 46.03 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

Instrument :

MSVOA_F

ClientSampleId :

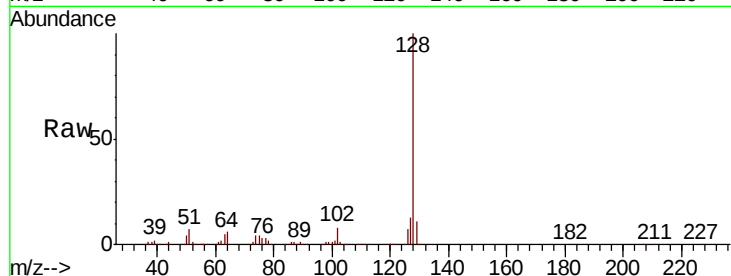
Tot Ion:128 Resp: 264824

Ion Ratio Lower Upper

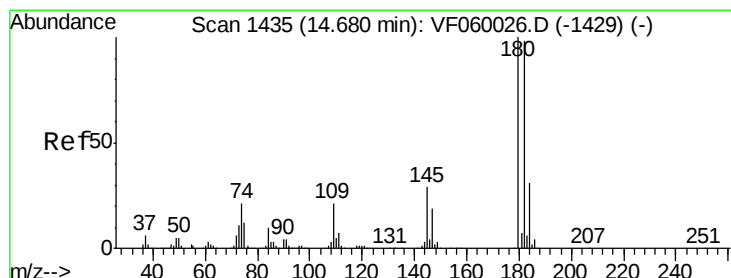
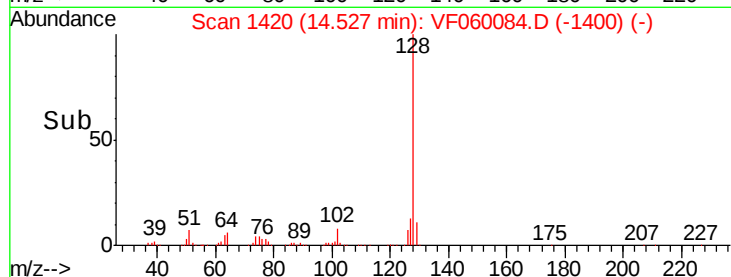
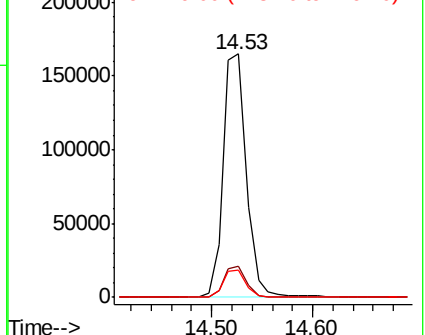
128 100

127 12.5 10.4 15.6

129 11.1 8.5 12.7



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: 49.89 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.02 min

Lab File: VF060084.D

Acq: 24 Aug 2018 7:21

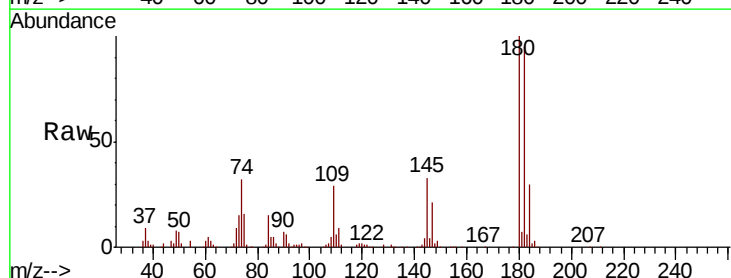
Tgt Ion:180 Resp: 158475

Ion Ratio Lower Upper

180 100

182 94.8 49.0 147.2

145 33.5 14.4 43.2



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

