

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059521.D
 Acq On : 18 Jul 2018 19:26
 Operator : VA/AP
 Sample : VF0718SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:34:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	276275	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.74	114	394927	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	382727	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	237312	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	206420	48.04	ug/l	-0.03
Spiked Amount						
			Recovery	=	96.08%	
35) Dibromofluoromethane	4.28	113	165078	48.26	ug/l	-0.03
Spiked Amount						
			Recovery	=	96.52%	
50) Toluene-d8	7.70	98	394972	45.84	ug/l	-0.03
Spiked Amount						
			Recovery	=	91.68%	
62) 4-Bromofluorobenzene	11.50	95	218768	48.40	ug/l	-0.02
Spiked Amount						
			Recovery	=	96.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	64515	19.060	ug/l	95
3) Chloromethane	1.08	50	32955	17.694	ug/l	91
4) Vinyl Chloride	1.15	62	36567	19.458	ug/l	97
5) Bromomethane	1.34	94	32072	24.625	ug/l	95
6) Chloroethane	1.42	64	20506	21.640	ug/l #	84
7) Trichlorofluoromethane	1.48	101	20298	4.413	ug/l	85
8) Diethyl Ether	1.69	74	16962	19.165	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	46237	23.805	ug/l	97
10) Methyl Iodide	1.95	142	87594	25.761	ug/l	98
11) Tert butyl alcohol	2.68	59	21496	110.957	ug/l	95
12) 1,1-Dichloroethene	1.85	96	39088	18.924	ug/l	90
13) Acrolein	2.09	56	9115	84.426	ug/l	85
14) Allyl chloride	2.18	41	66232	25.694	ug/l	94
15) Acrylonitrile	3.06	53	39312	109.049	ug/l	90
16) Acetone	2.33	43	79473	108.201	ug/l	99
17) Carbon Disulfide	1.87	76	107953	20.395	ug/l	99
18) Methyl Acetate	2.44	43	28584	19.965	ug/l #	87
19) Methyl tert-butyl Ether	2.53	73	124109	19.153	ug/l	96
20) Methylene Chloride	2.30	84	43948	19.913	ug/l #	70
21) trans-1,2-Dichloroethene	2.40	96	41302	21.626	ug/l	92
22) Diisopropyl ether	2.91	45	142608	19.685	ug/l	98
23) Vinyl Acetate	3.32	43	435666	102.910	ug/l	98
24) 1,1-Dichloroethane	2.99	63	95778	21.408	ug/l	100
25) 2-Butanone	4.50	43	101256	101.502	ug/l	96
26) 2,2-Dichloropropane	3.74	77	67549	22.821	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	53534	24.085	ug/l	80
28) Bromochloromethane	3.87	49	37291	18.936	ug/l #	100
29) Tetrahydrofuran	4.25	42	44793	97.268	ug/l	99
30) Chloroform	4.02	83	136627	21.139	ug/l	99
31) Cyclohexane	3.84	56	59203	25.547	ug/l	90
32) 1,1,1-Trichloroethane	4.26	97	109020	25.956	ug/l	97
36) 1,1-Dichloropropene	4.44	75	81830	20.701	ug/l	94
37) Ethyl Acetate	4.28	43	46970	18.438	ug/l #	43
38) Carbon Tetrachloride	4.16	117	118673	26.197	ug/l	95

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Quant Time: Jul 19 01:34:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.61	83	73296	24.432	ug/l	94
40) Benzene	4.79	78	169720	22.131	ug/l	94
41) Methacrylonitrile	4.91	41	21334	18.820	ug/l #	76
42) 1,2-Dichloroethane	5.10	62	111647	22.164	ug/l	94
43) Isopropyl Acetate	7.09	43	53771	18.930	ug/l #	96
44) Trichloroethene	5.66	130	61671	21.725	ug/l	93
45) 1,2-Dichloropropane	6.38	63	45481	21.367	ug/l	97
46) Dibromomethane	6.24	93	42654	22.004	ug/l	98
47) Bromodichloromethane	6.53	83	108266	21.698	ug/l	98
48) Methyl methacrylate	6.86	41	38313	18.886	ug/l	97
49) 1,4-Dioxane	6.85	88	4263	426.270	ug/l #	89
51) 4-Methyl-2-Pentanone	8.40	43	208167	103.387	ug/l	99
52) Toluene	7.76	92	115788	20.818	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	96603	21.048	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	99013	21.666	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	44687	20.737	ug/l	95
56) Ethyl methacrylate	8.75	69	50643	18.950	ug/l	96
57) 1,3-Dichloropropane	8.99	76	78951	20.719	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	24356	103.229	ug/l	100
59) 2-Hexanone	9.62	43	161734	106.284	ug/l	93
60) Dibromochloromethane	8.85	129	75268	20.725	ug/l	86
61) 1,2-Dibromoethane	9.12	107	58004	21.692	ug/l	98
64) Tetrachloroethene	8.29	164	62111	21.793	ug/l	96
65) Chlorobenzene	9.93	112	153912	21.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	69763	21.338	ug/l	98
67) Ethyl Benzene	10.02	91	277956	21.755	ug/l	96
68) m/p-Xylenes	10.26	106	198651	44.052	ug/l	97
69) o-Xylene	10.82	106	104128	21.685	ug/l	96
70) Styrene	10.89	104	163172	22.108	ug/l	94
71) Bromoform	10.88	173	49222	21.675	ug/l	95
73) Isopropylbenzene	11.21	105	324884	21.695	ug/l	100
74) N-amyl acetate	11.45	43	91748	19.130	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	67807	20.761	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	55105	20.661	ug/l	90
77) Bromobenzene	11.59	156	85682	20.413	ug/l	95
78) n-propylbenzene	11.68	91	382828	22.287	ug/l	99
79) 2-Chlorotoluene	11.81	91	230463	21.782	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	283966	22.631	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	31926	26.204	ug/l	92
82) 4-Chlorotoluene	11.98	91	246960	20.831	ug/l	90
83) tert-Butylbenzene	12.21	119	273620	22.720	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	285436	22.110	ug/l	98
85) sec-Butylbenzene	12.38	105	345533	22.561	ug/l	98
86) p-Isopropyltoluene	12.54	119	305520	22.927	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	158914	22.069	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	150892	21.266	ug/l	95
89) n-Butylbenzene	12.91	91	288542	23.137	ug/l	95
90) Hexachloroethane	12.99	117	67189	22.197	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	145706	21.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13306	17.982	ug/l	80

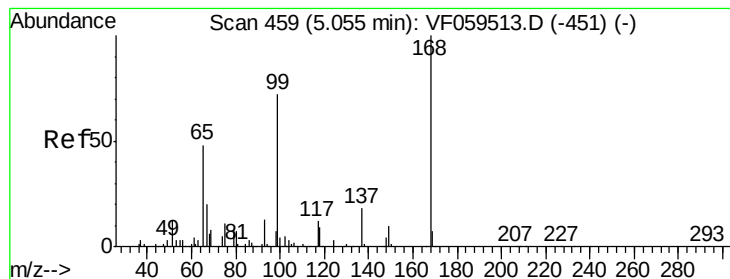
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071818\
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	93426	22.325	ug/l	99
94) Hexachlorobutadiene	14.25	225	50223	23.428	ug/l	96
95) Naphthalene	14.52	128	178255	20.505	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	80083	21.180	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

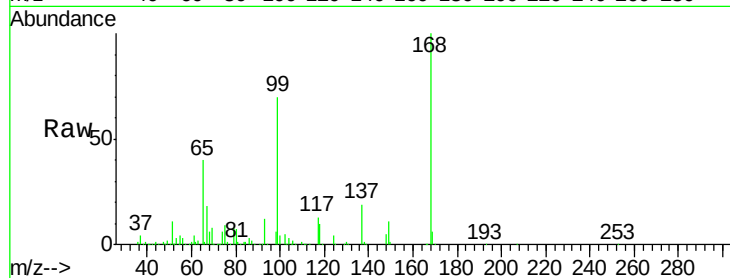
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 276275

Ion Ratio Lower Upper

168 100

99 70.4 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

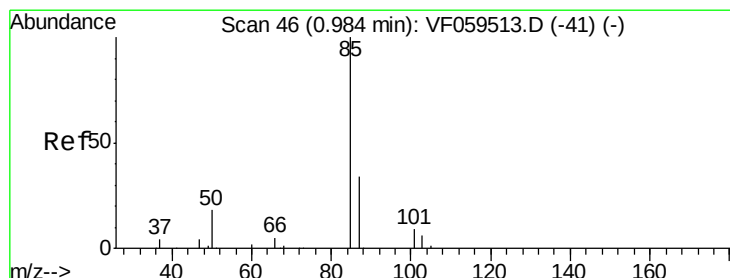
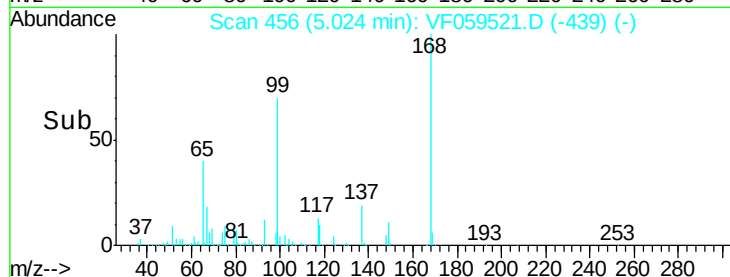
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.060 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059521.D

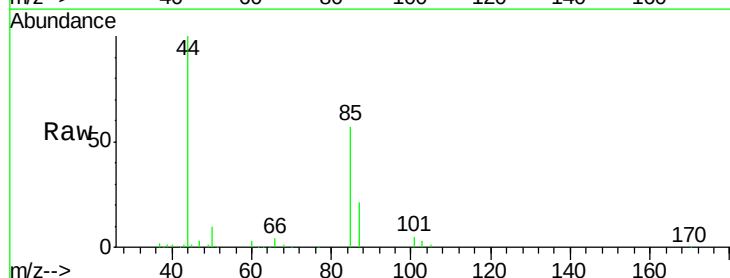
Acq: 18 Jul 2018 19:26

Tgt Ion: 85 Resp: 64515

Ion Ratio Lower Upper

85 100

87 36.4 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

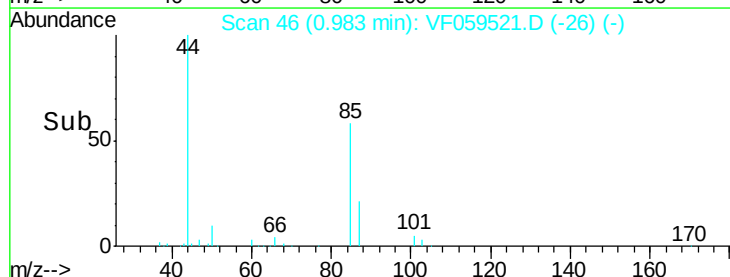
15000

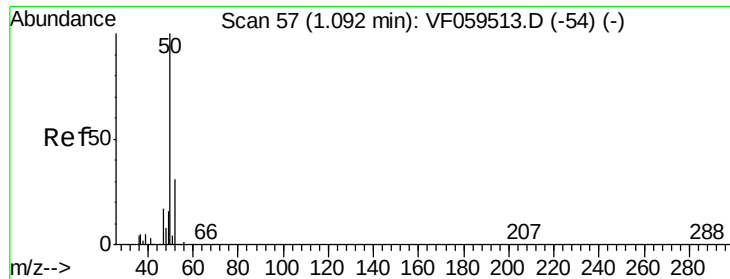
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.694 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

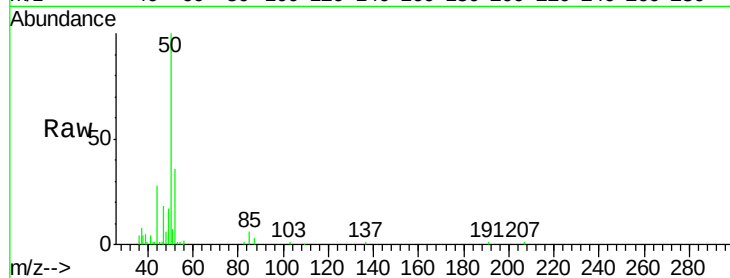
ClientSampleId :

Tot Ion: 50 Resp: 32955

Ion Ratio Lower Upper

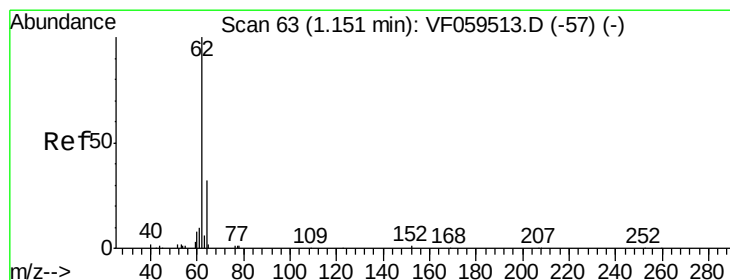
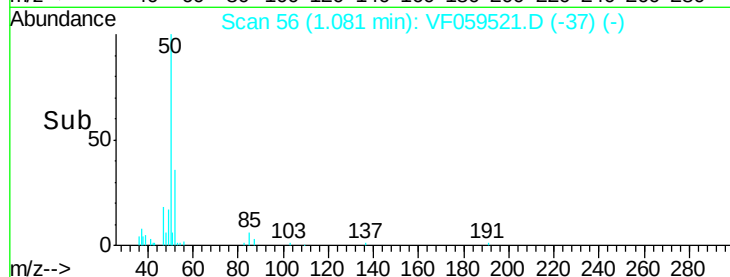
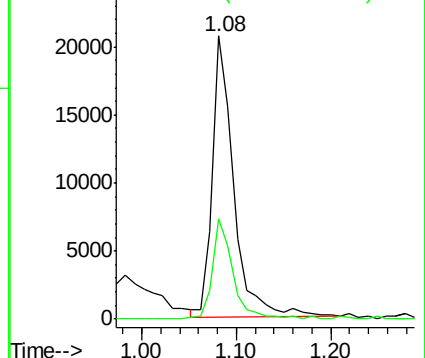
50 100

52 35.6 24.6 37.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.458 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059521.D

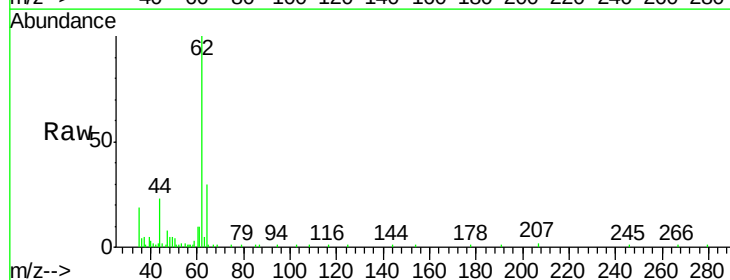
Acq: 18 Jul 2018 19:26

Tgt Ion: 62 Resp: 36567

Ion Ratio Lower Upper

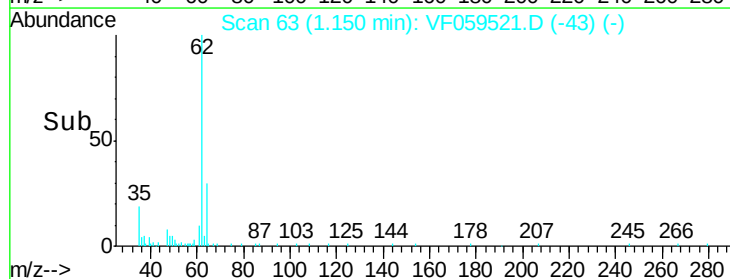
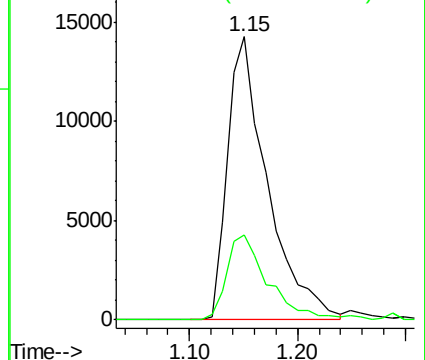
62 100

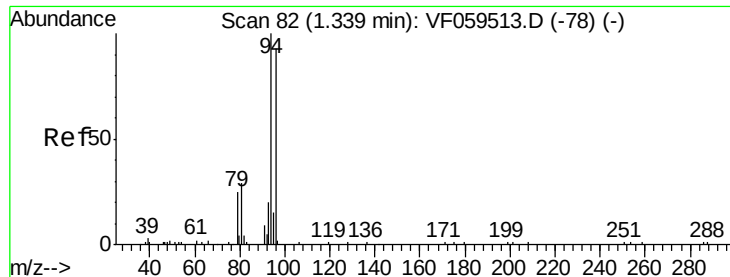
64 30.1 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 24.625 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

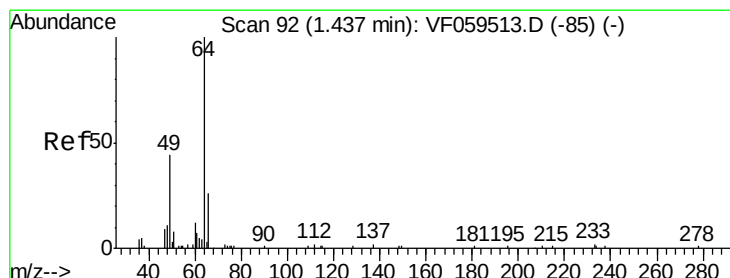
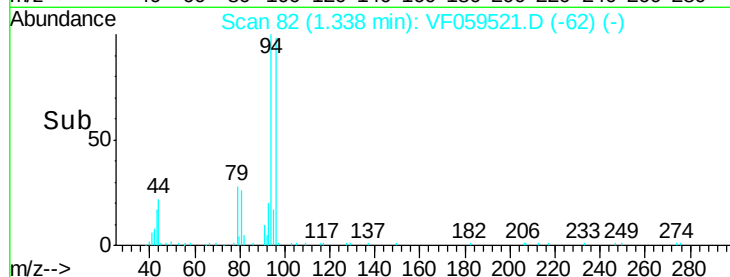
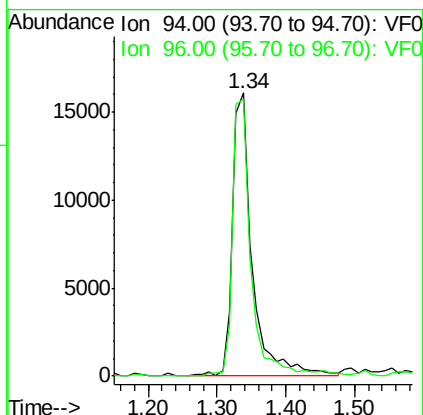
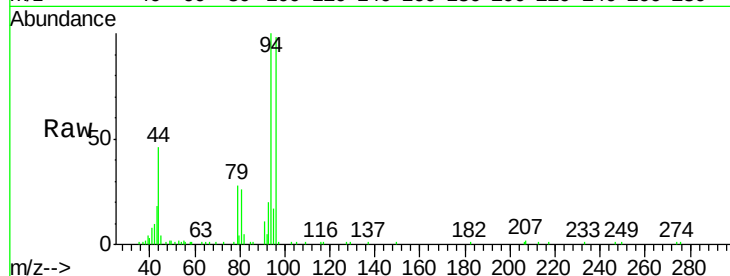
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 32072

Ion Ratio Lower Upper

94 100

96 97.9 74.2 111.2



#6

Chloroethane

Concen: 21.640 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059521.D

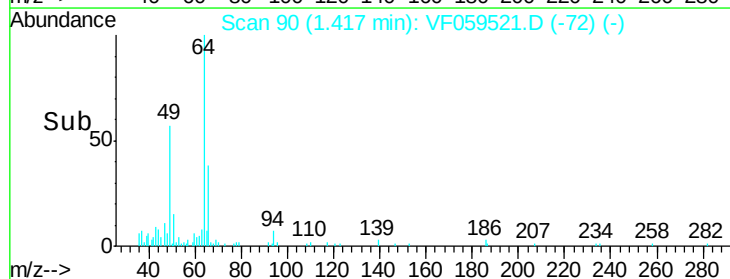
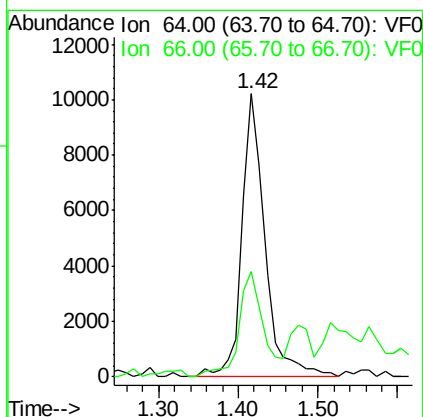
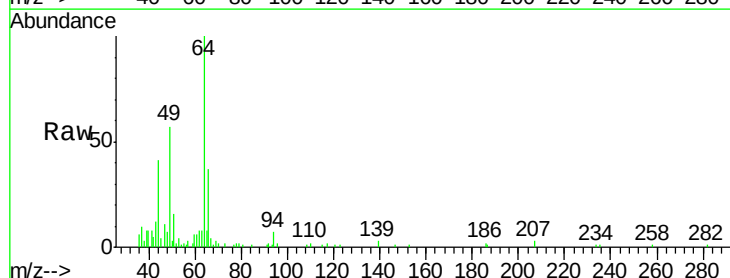
Acq: 18 Jul 2018 19:26

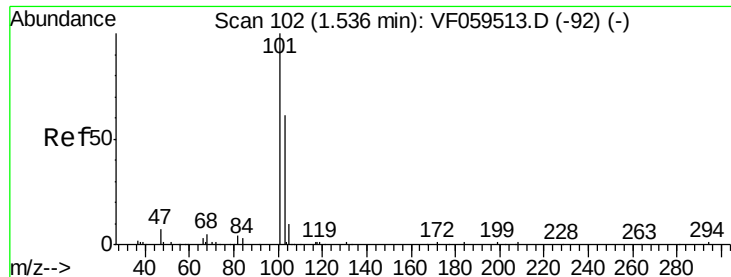
Tgt Ion: 64 Resp: 20506

Ion Ratio Lower Upper

64 100

66 37.1 22.9 34.3#





#7

Trichlorofluoromethane

Concen: 4.413 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.06 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

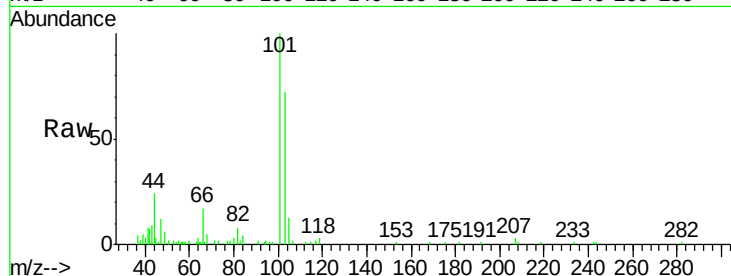
ClientSampleId :

Tot Ion:101 Resp: 20298

Ion Ratio Lower Upper

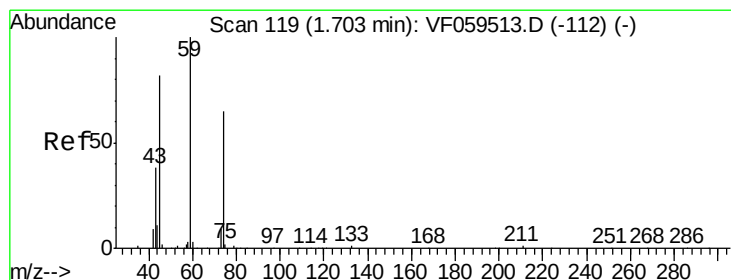
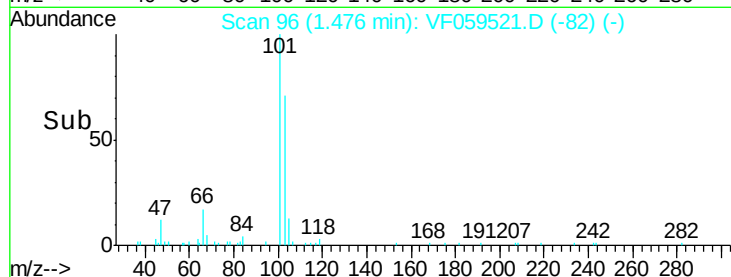
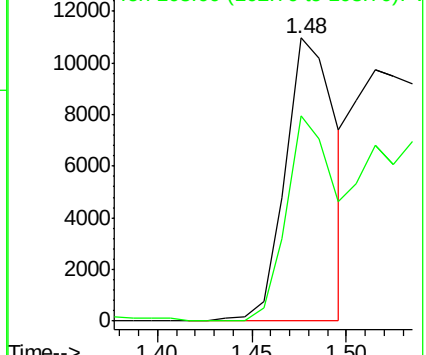
101 100

103 72.4 48.6 72.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.165 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059521.D

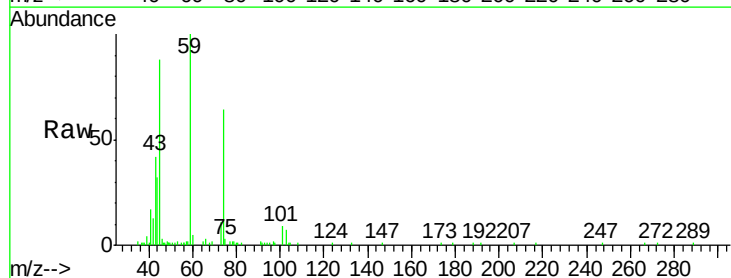
Acq: 18 Jul 2018 19:26

Tgt Ion: 74 Resp: 16962

Ion Ratio Lower Upper

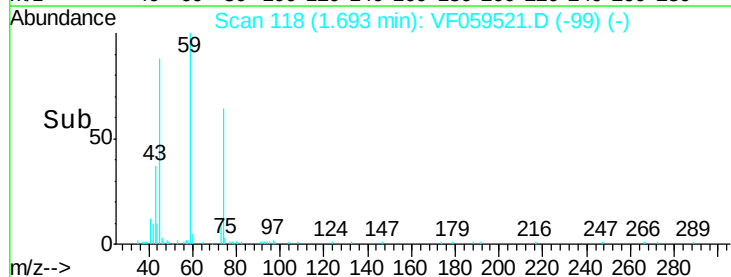
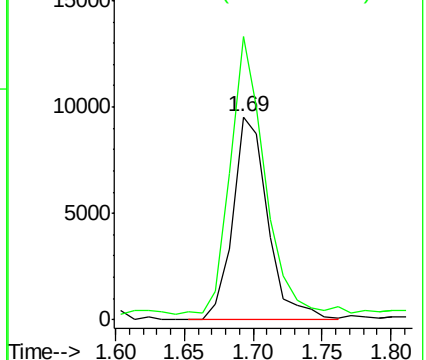
74 100

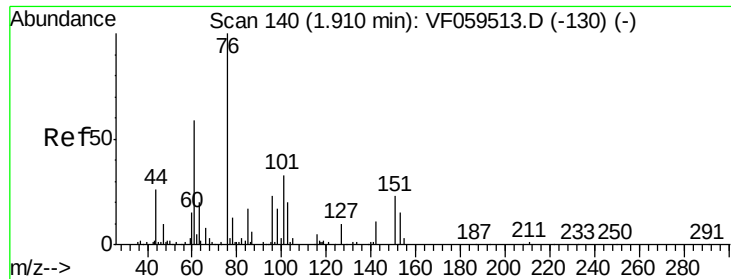
45 139.3 63.6 190.9



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: 23.805 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059521.D

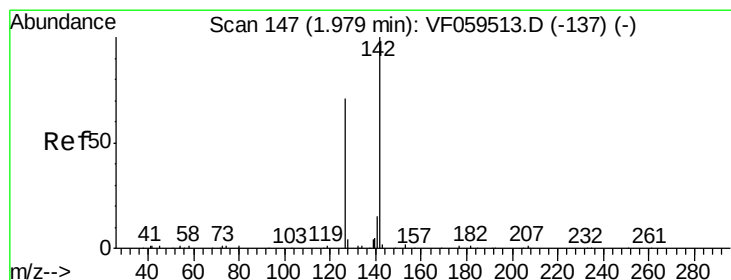
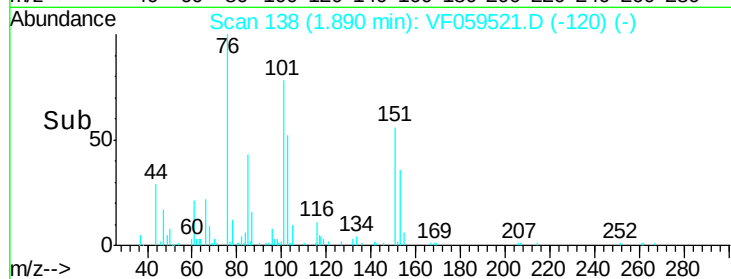
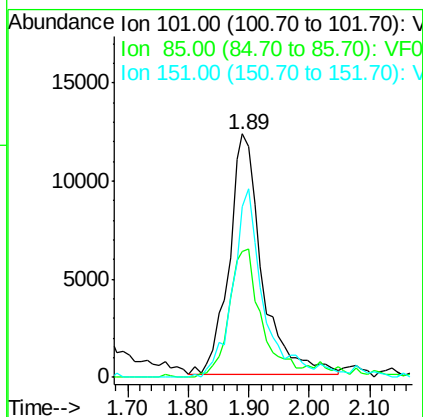
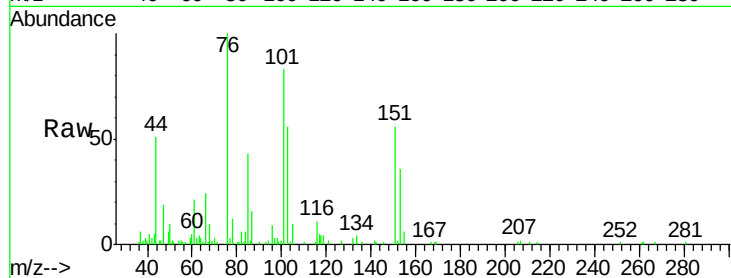
Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	101	Resp:	46237
Ion	Ratio	Lower	Upper
101	100		
85	51.7	39.8	59.6
151	69.9	54.2	81.2



#10

Methyl Iodide

Concen: 25.761 ug/l

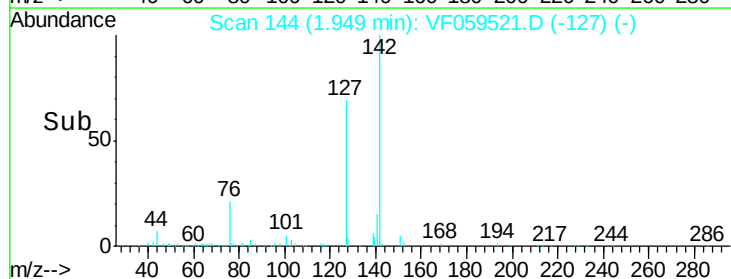
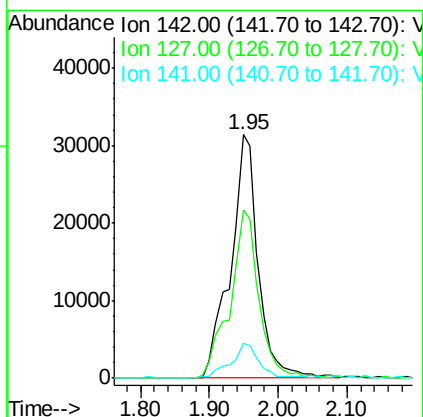
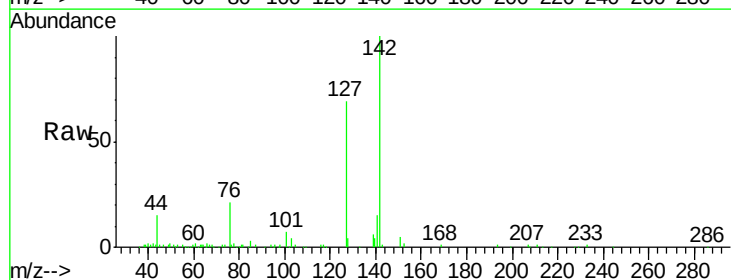
RT: 1.95 min Scan# 144

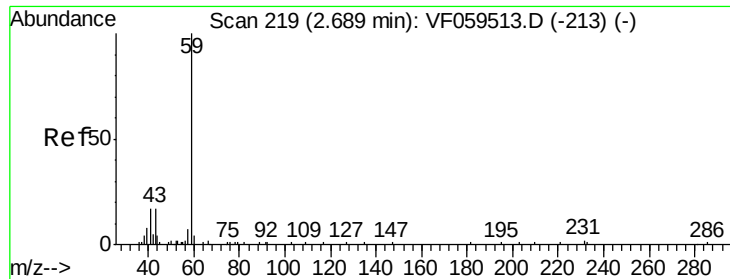
Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Tgt Ion:	142	Resp:	87594
Ion	Ratio	Lower	Upper
142	100		
127	69.1	56.4	84.6
141	14.6	12.0	18.0

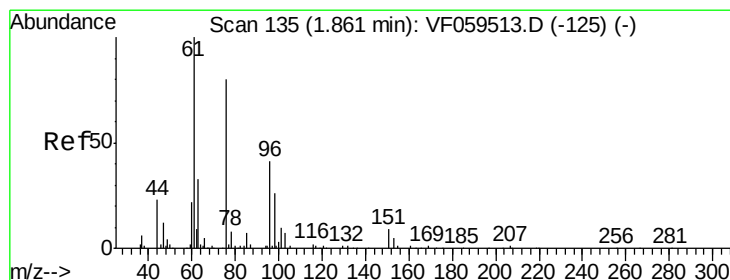
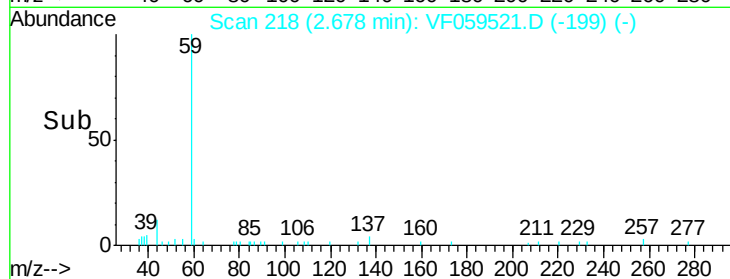
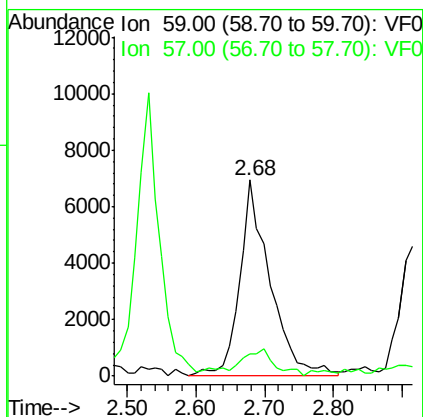
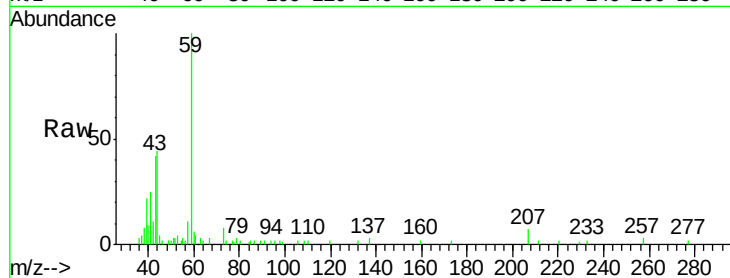




#11
Tert butyl alcohol
Concen: 110.957 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

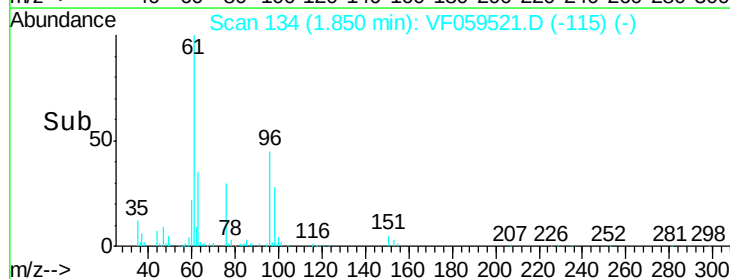
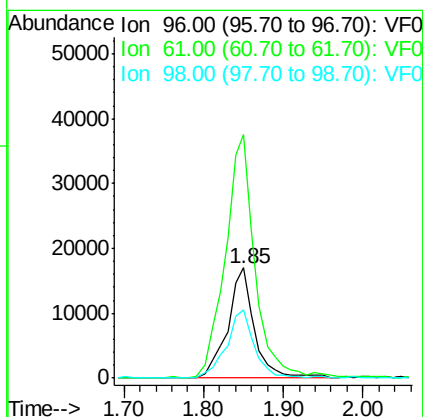
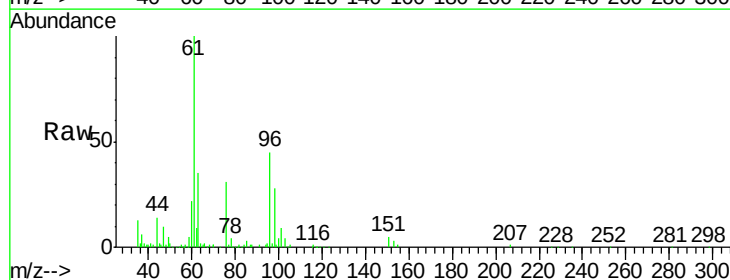
Instrument :
MSVOA_F
ClientSampled :

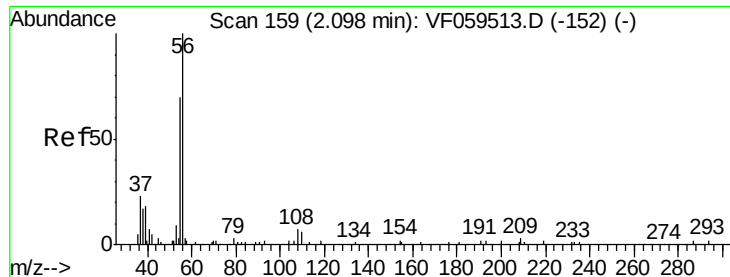
Tot Ion: 59 Resp: 21496
Ion Ratio Lower Upper
59 100
57 11.5 7.7 11.5



#12
1,1-Dichloroethene
Concen: 18.924 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 96 Resp: 39088
Ion Ratio Lower Upper
96 100
61 221.1 194.3 291.5
98 61.9 50.3 75.5





#13

Acrolein

Concen: 84.426 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

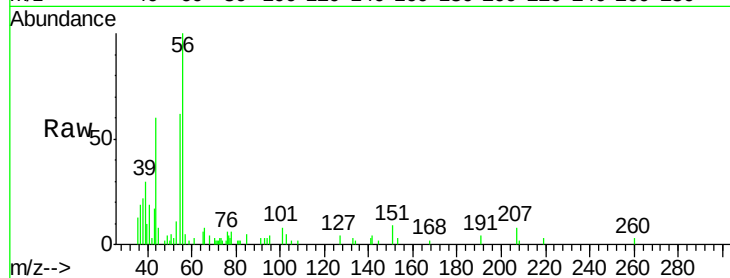
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 9115

Ion Ratio Lower Upper

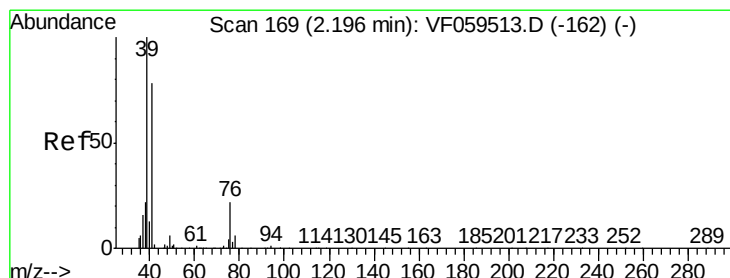
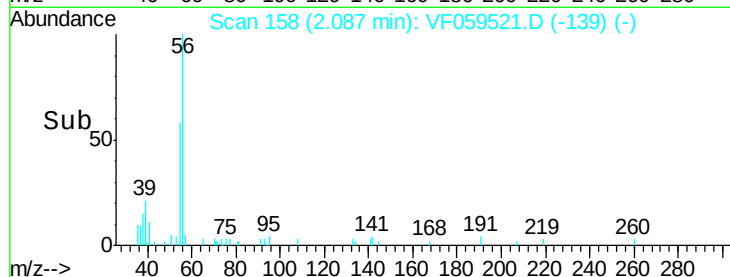
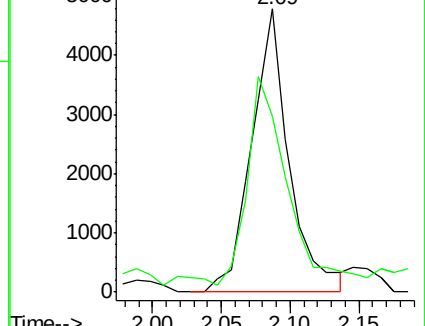
56 100

55 62.0 59.4 89.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 25.694 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

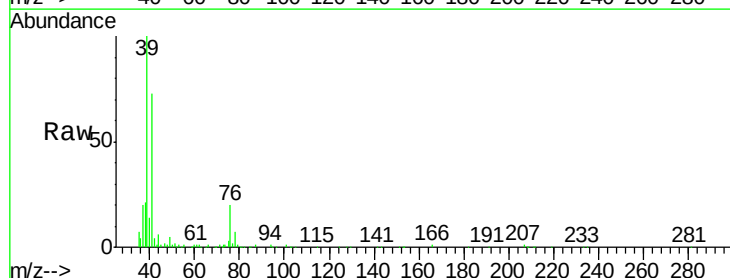
Tgt Ion: 41 Resp: 66232

Ion Ratio Lower Upper

41 100

39 136.6 103.0 154.4

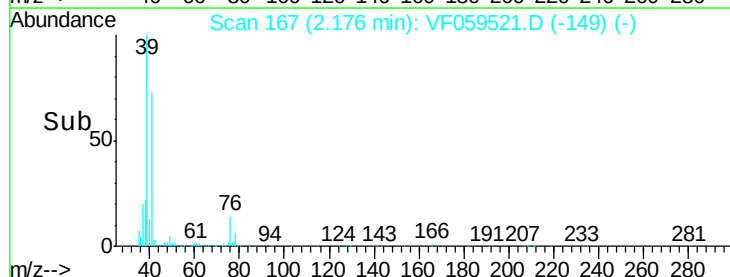
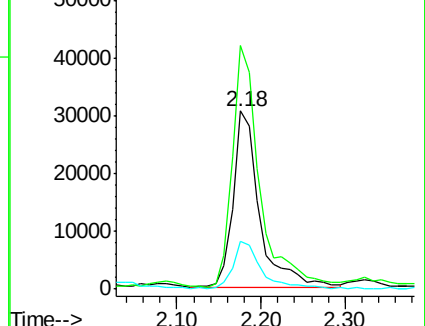
76 26.8 22.6 34.0

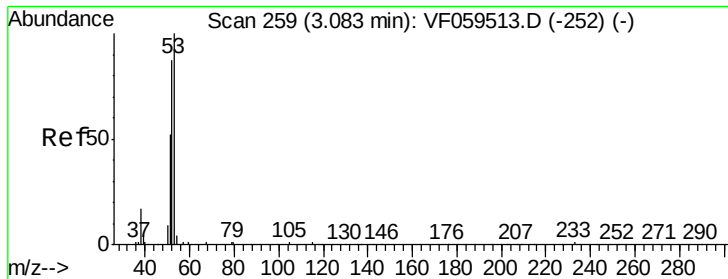


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 109.049 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

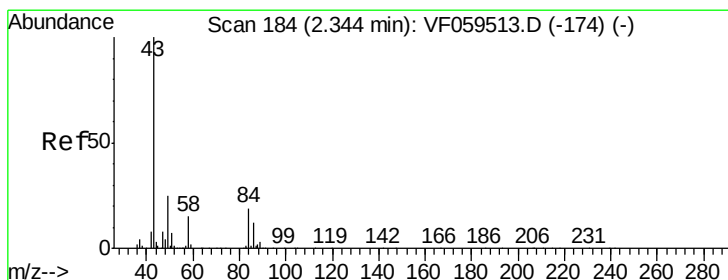
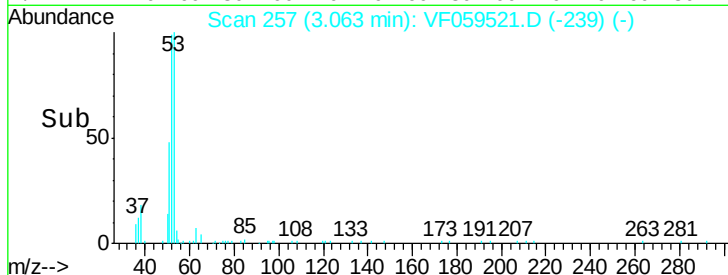
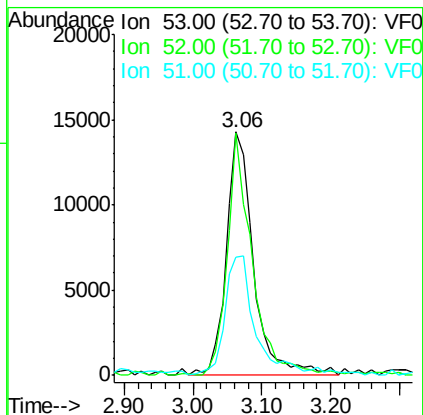
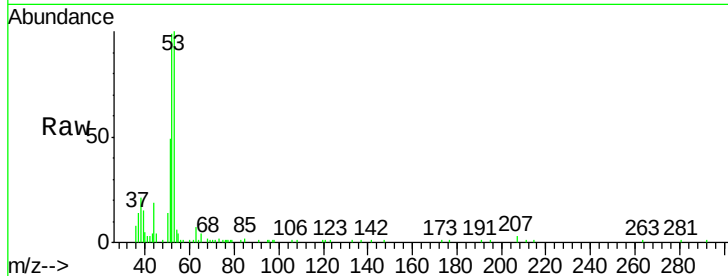
Tot Ion: 53 Resp: 39312

Ion Ratio Lower Upper

53 100

52 99.3 70.1 105.1

51 48.6 42.5 63.7



#16

Acetone

Concen: 108.201 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF059521.D

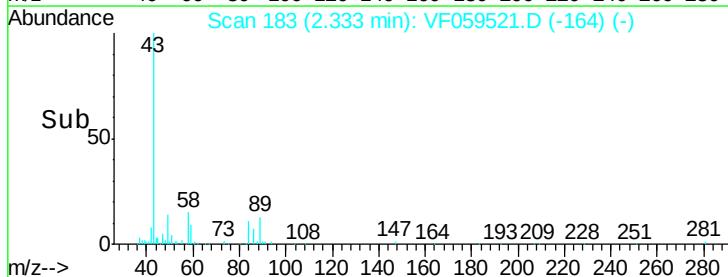
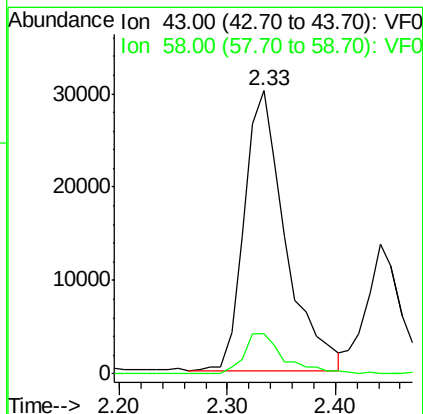
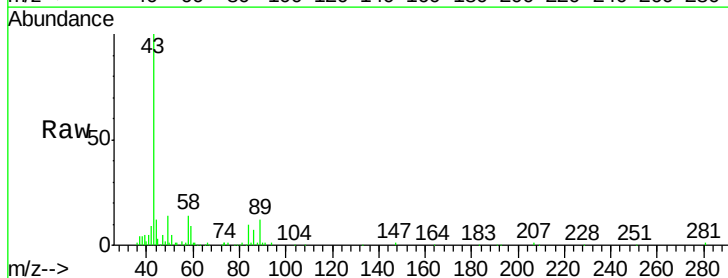
Acq: 18 Jul 2018 19:26

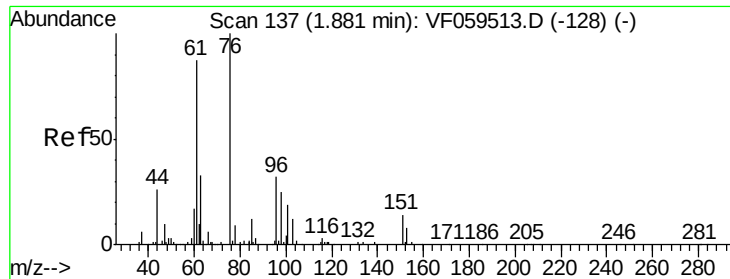
Tgt Ion: 43 Resp: 79473

Ion Ratio Lower Upper

43 100

58 14.4 11.8 17.6

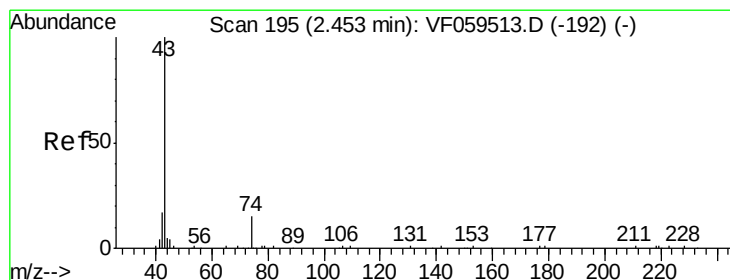
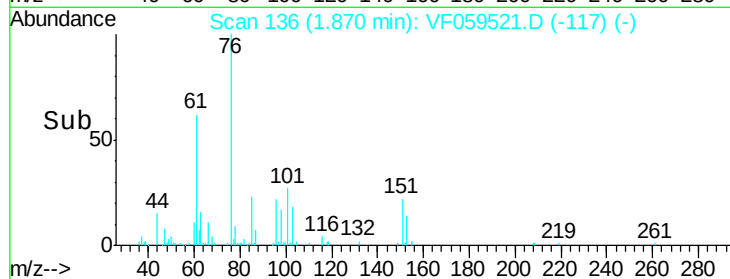
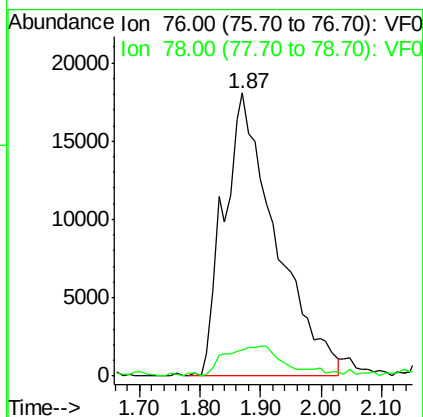
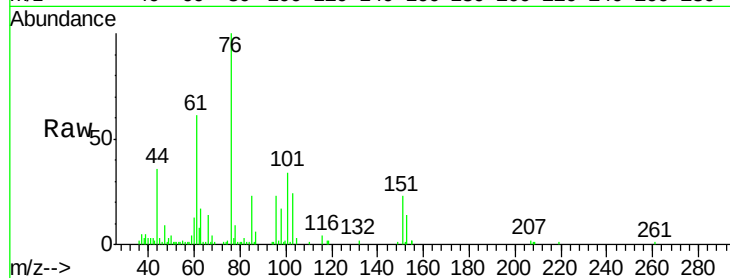




#17
Carbon Disulfide
Concen: 20.395 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

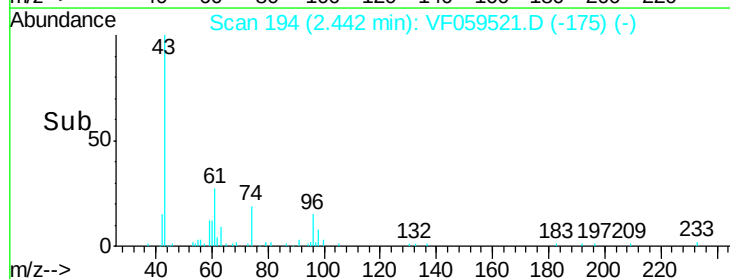
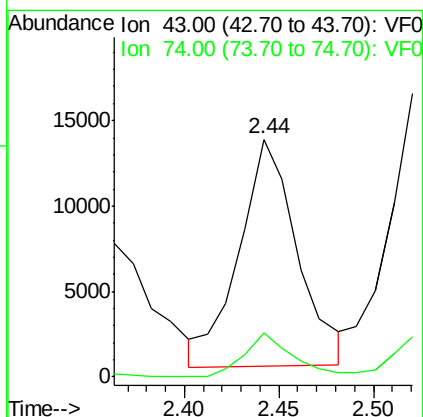
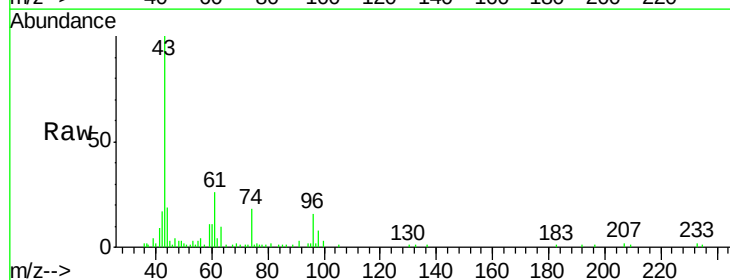
Instrument :
MSVOA_F
ClientSampleId :

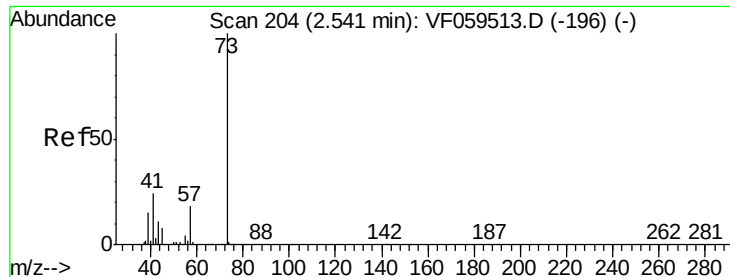
Tot Ion: 76 Resp: 107953
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6



#18
Methyl Acetate
Concen: 19.965 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 43 Resp: 28584
Ion Ratio Lower Upper
43 100
74 18.3 10.6 15.8#



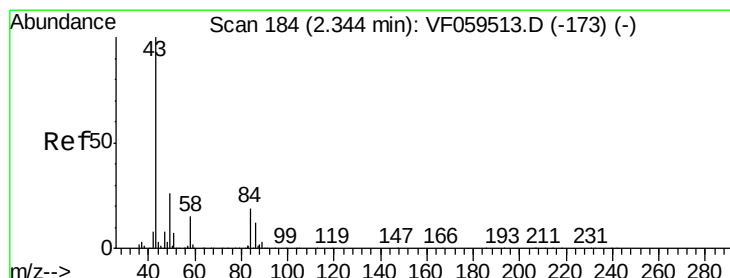
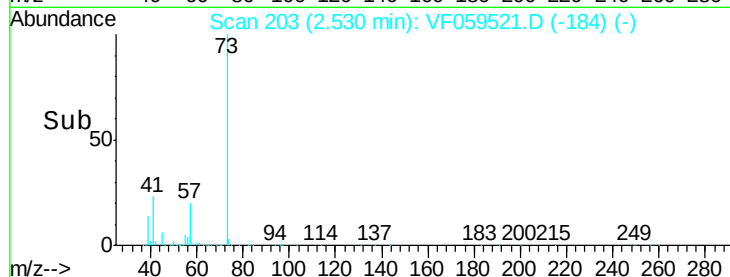
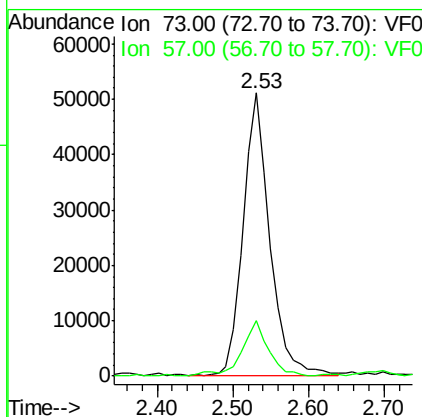
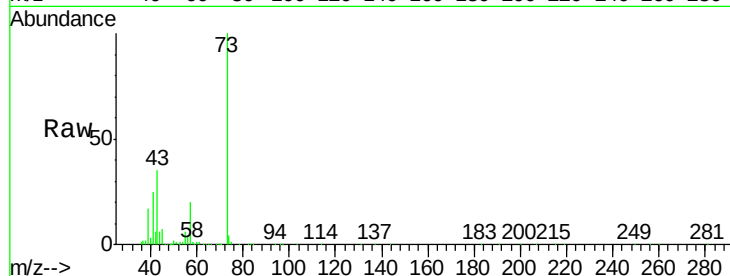


#19

Methyl tert-butyl Ether
 Concen: 19.153 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Instrument :
 MSVOA_F
 ClientSampled :

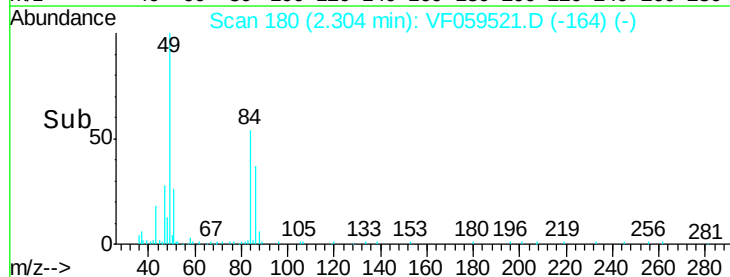
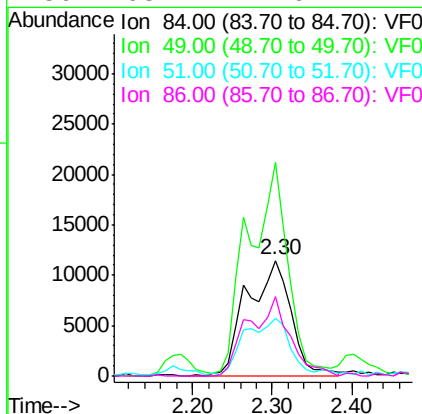
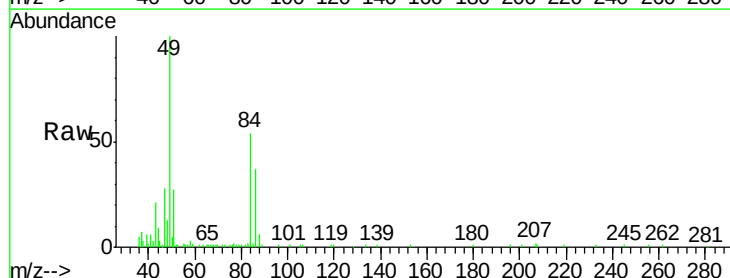
Tot Ion: 73 Resp: 124109
 Ion Ratio Lower Upper
 73 100
 57 19.6 14.3 21.5

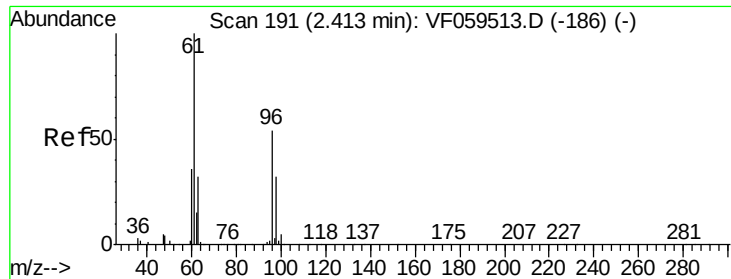


#20

Methylene Chloride
 Concen: 19.913 ug/l
 RT: 2.30 min Scan# 180
 Delta R.T. -0.04 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Tgt Ion: 84 Resp: 43948
 Ion Ratio Lower Upper
 84 100
 49 185.2 109.4 164.2#
 51 49.6 30.5 45.7#
 86 68.4 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 21.626 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

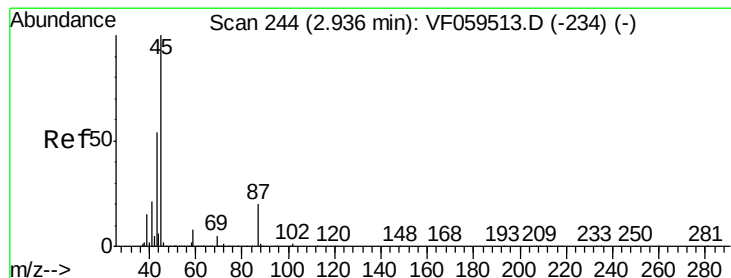
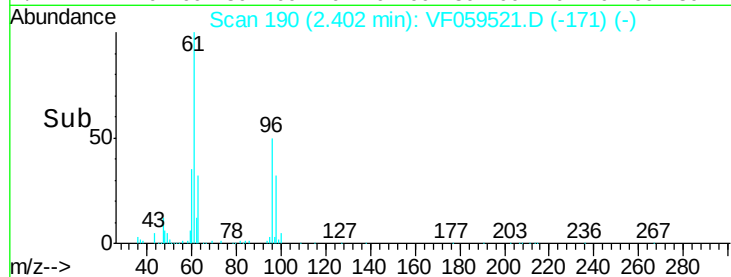
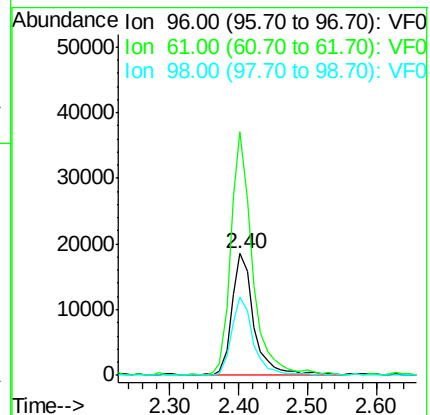
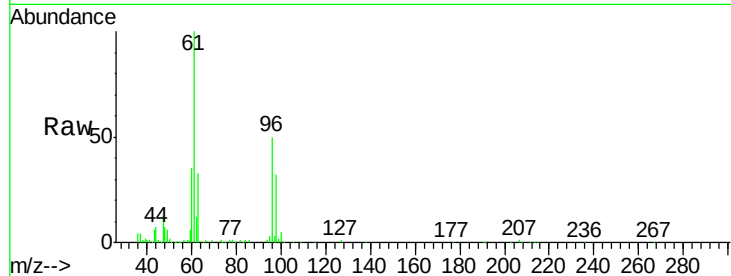
Tot Ion: 96 Resp: 41302

Ion Ratio Lower Upper

96 100

61 200.2 149.8 224.8

98 64.7 47.8 71.8



#22

Diisopropyl ether

Concen: 19.685 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Tgt Ion: 45 Resp: 142608

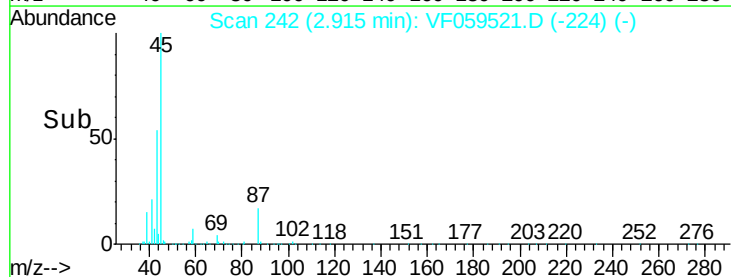
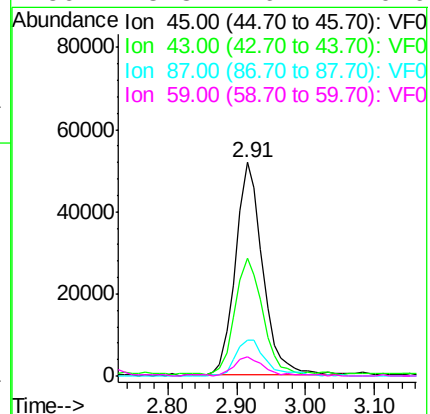
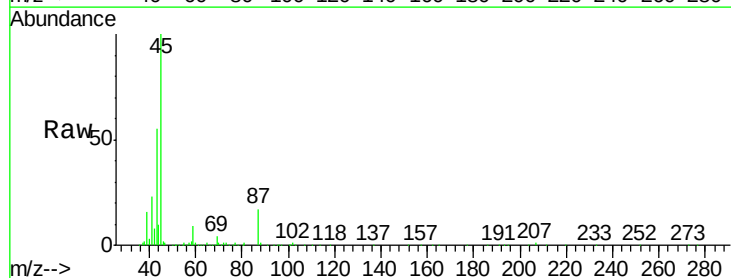
Ion Ratio Lower Upper

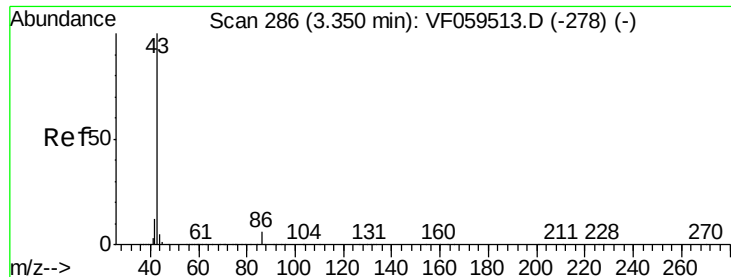
45 100

43 55.3 43.6 65.4

87 16.9 15.6 23.4

59 8.8 6.4 9.6





#23

Vinyl Acetate

Concen: 102.910 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

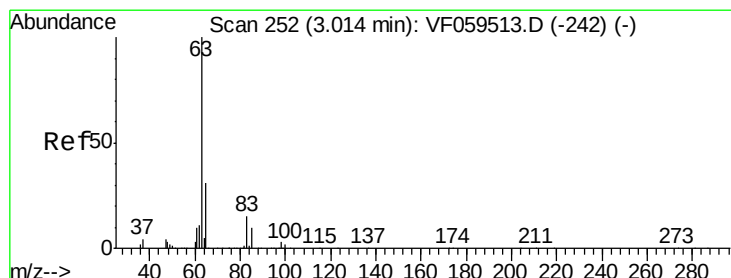
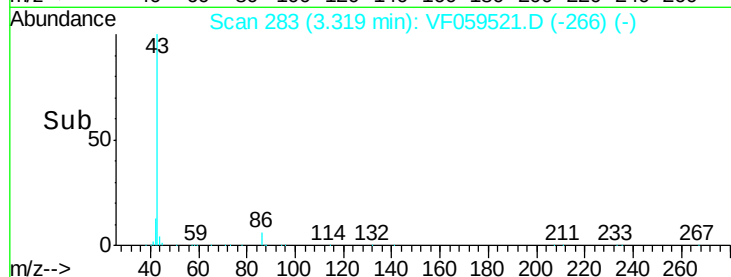
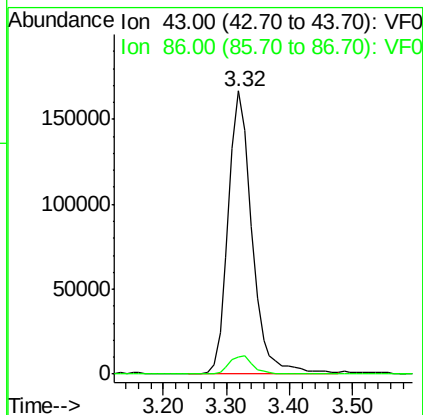
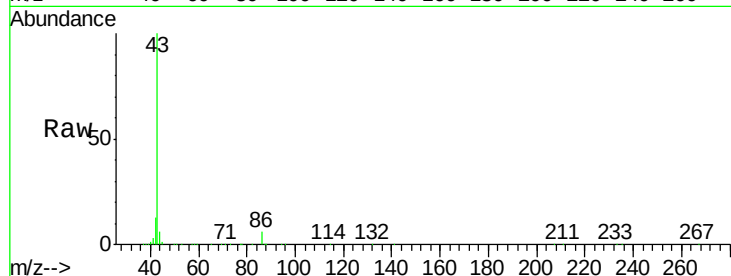
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 435666

Ion Ratio Lower Upper

43 100

86 6.2 4.4 6.6



#24

1,1-Dichloroethane

Concen: 21.408 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

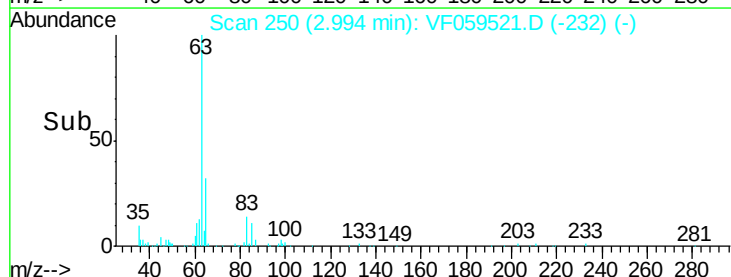
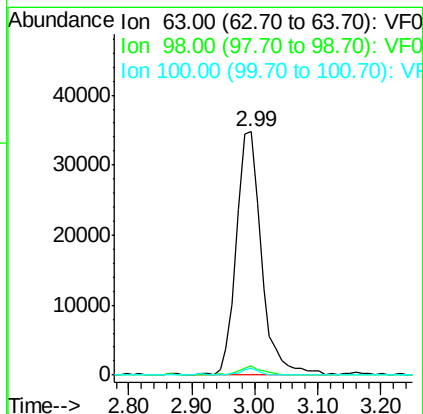
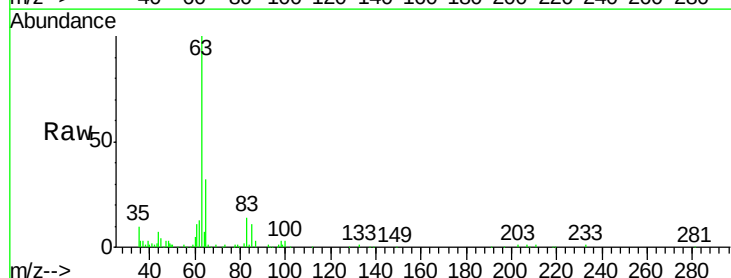
Tgt Ion: 63 Resp: 95778

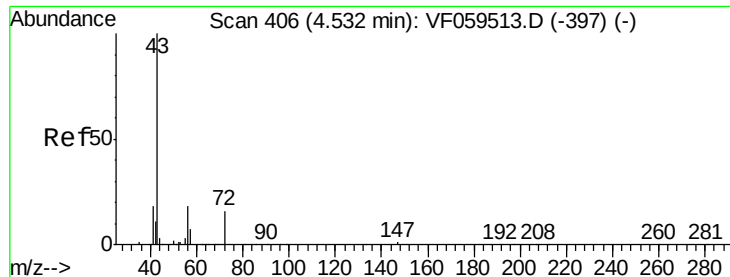
Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

100 2.8 1.3 3.8





#25

2-Butanone

Concen: 101.502 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

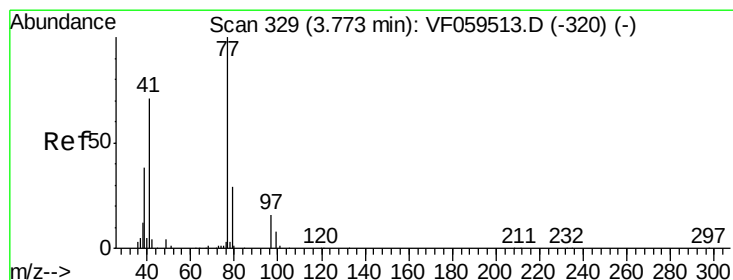
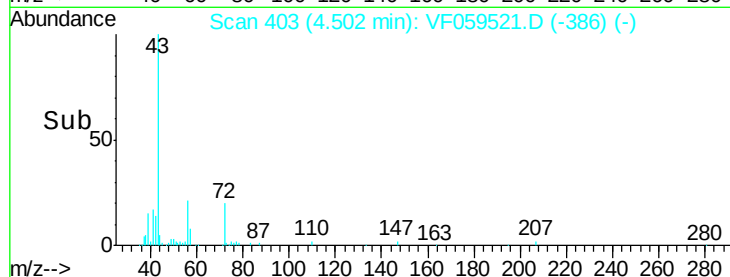
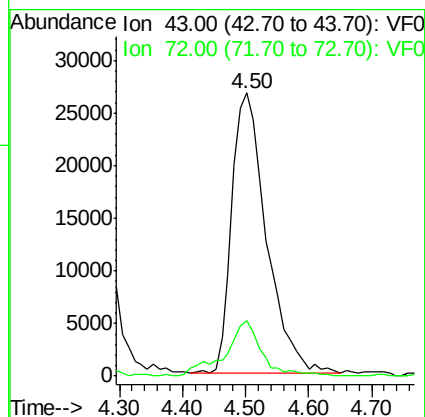
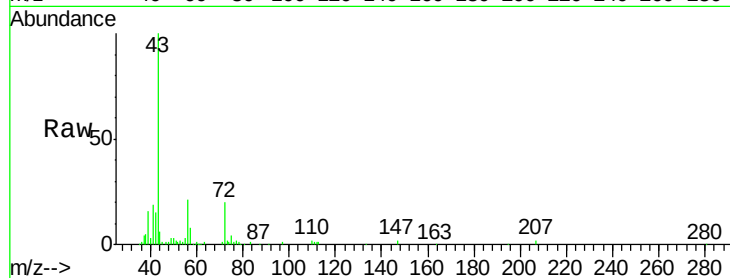
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 101256

Ion Ratio Lower Upper

43 100

72 19.6 14.2 21.4



#26

2,2-Dichloropropane

Concen: 22.821 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF059521.D

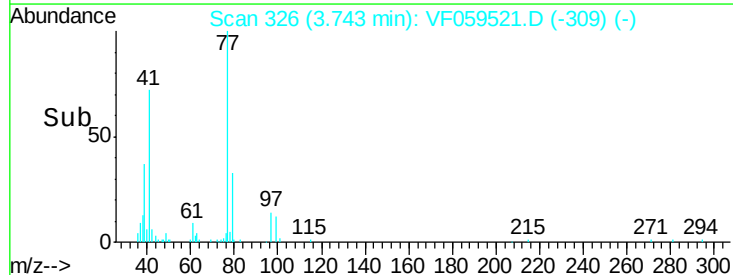
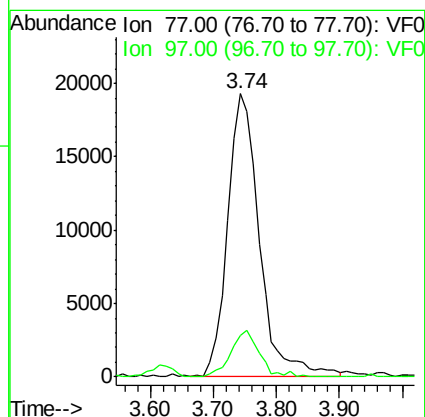
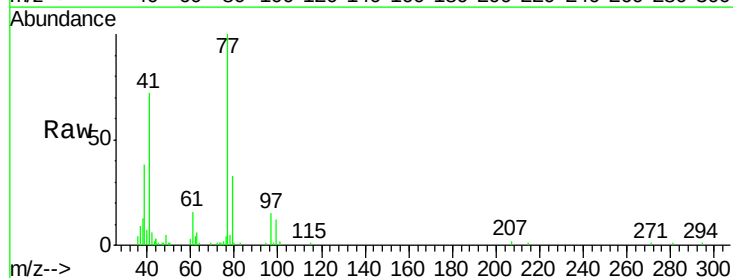
Acq: 18 Jul 2018 19:26

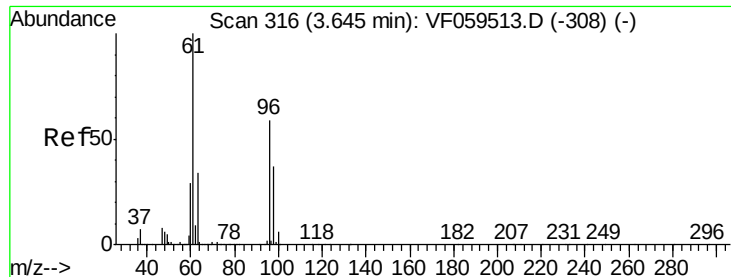
Tgt Ion: 77 Resp: 67549

Ion Ratio Lower Upper

77 100

97 14.8 8.1 24.3



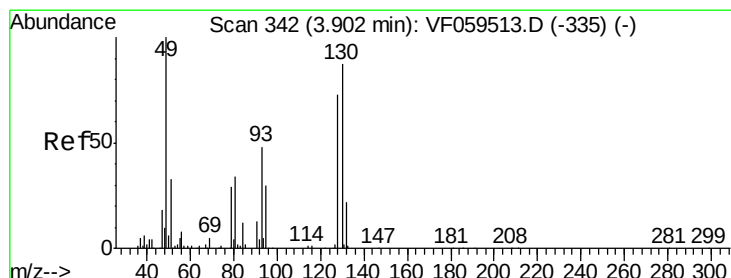
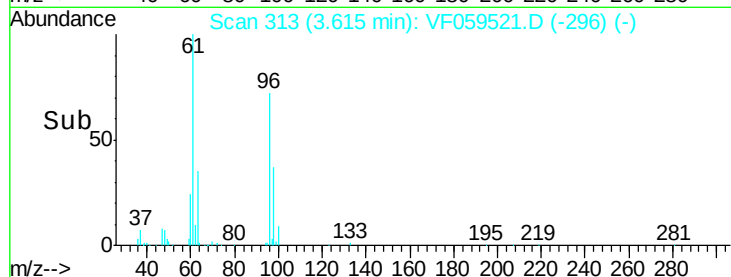
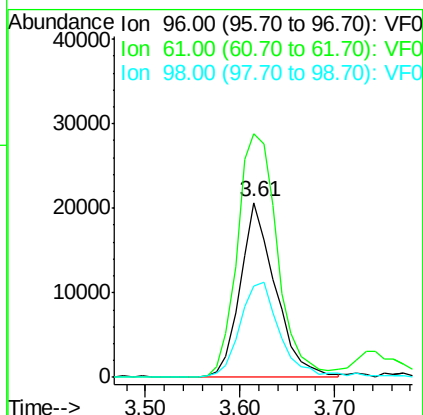
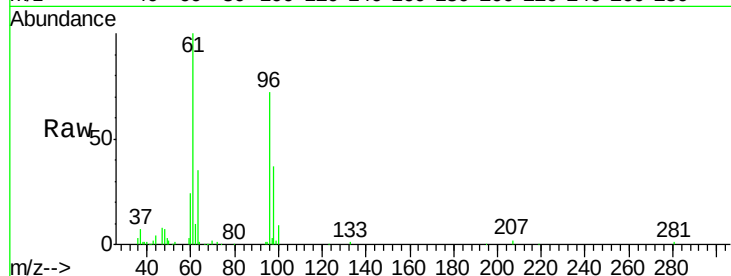


#27

cis-1,2-Dichloroethene
Concen: 24.085 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Instrument :
MSVOA_F
ClientSampleId :

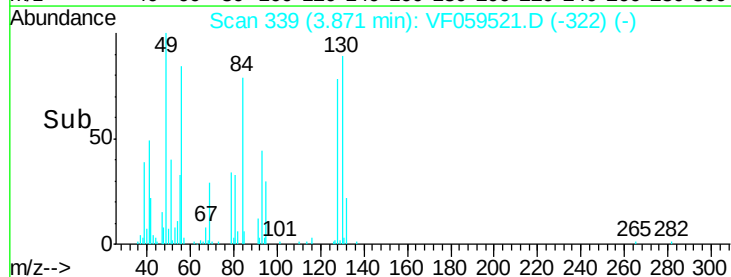
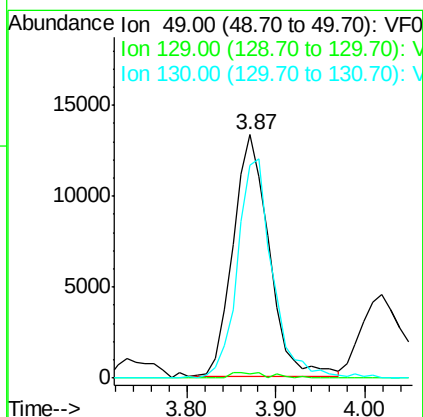
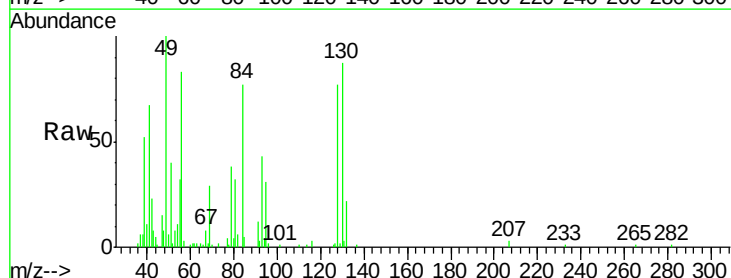
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	339.0
98	52.2	0.0	125.4

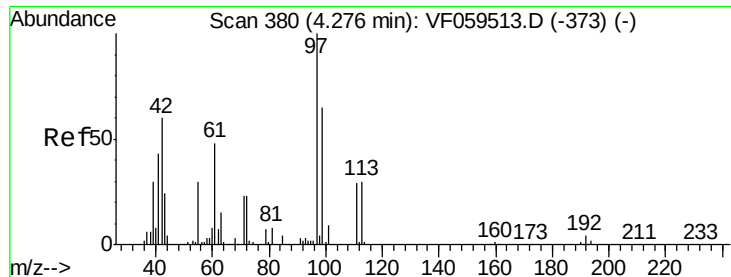


#28

Bromochloromethane
Concen: 18.936 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	0.0#
130	87.2	69.8	104.6

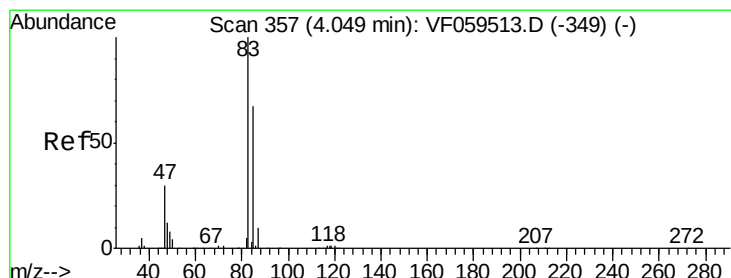
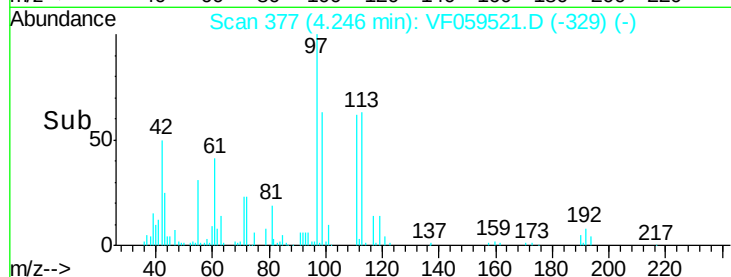
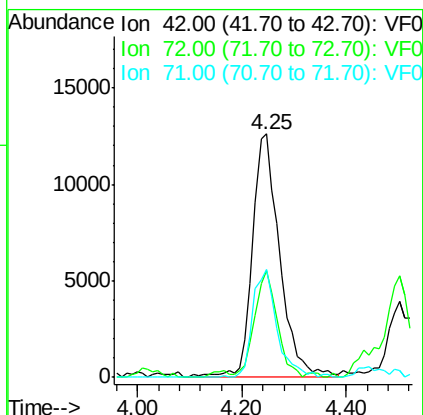
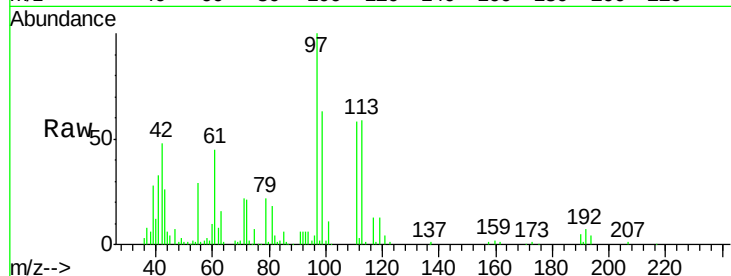




#29
Tetrahydrofuran
Concen: 97.268 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

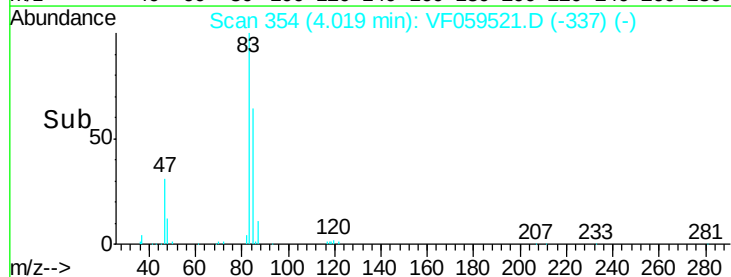
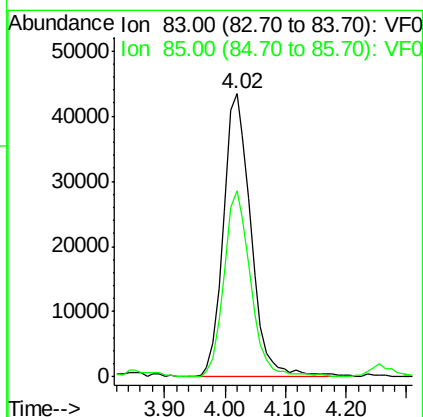
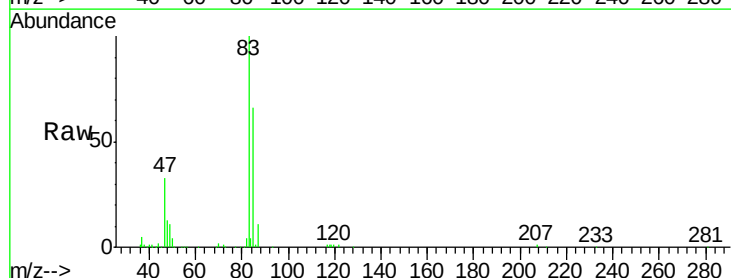
Instrument :
MSVOA_F
ClientSampleId :

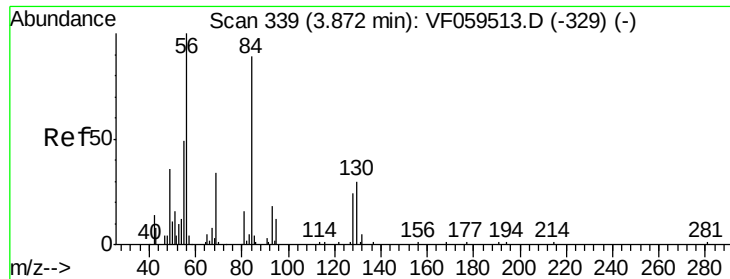
Tot Ion: 42 Resp: 44793
Ion Ratio Lower Upper
42 100
72 35.8 28.7 43.1
71 39.1 30.8 46.2



#30
Chloroform
Concen: 21.139 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 83 Resp: 136627
Ion Ratio Lower Upper
83 100
85 65.7 53.2 79.8

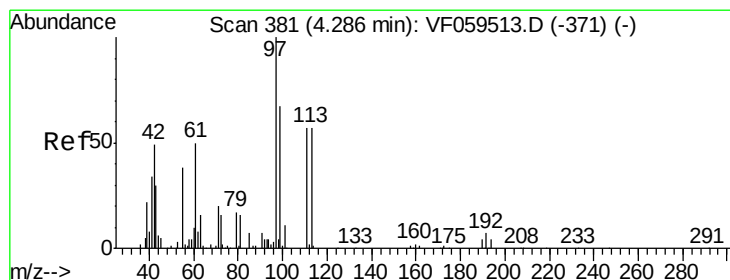
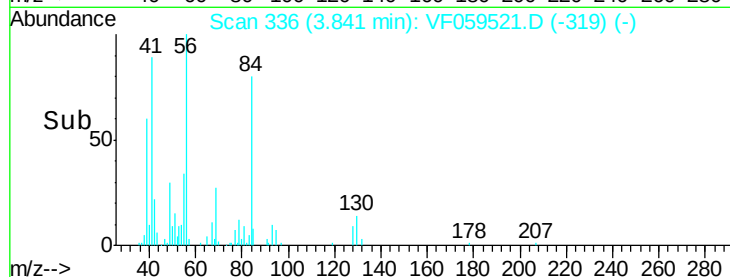
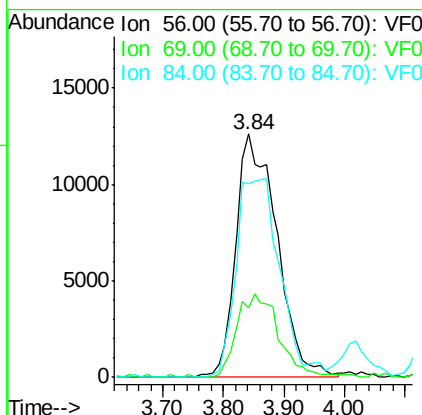
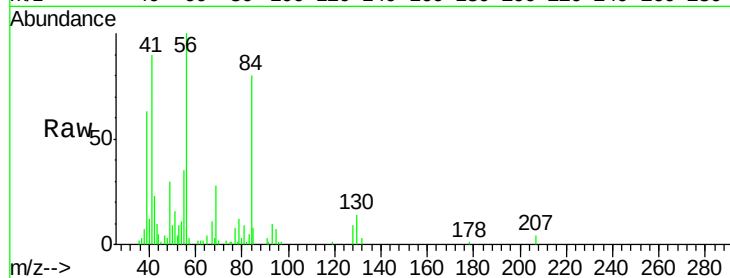




#31
Cyclohexane
Concen: 25.547 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

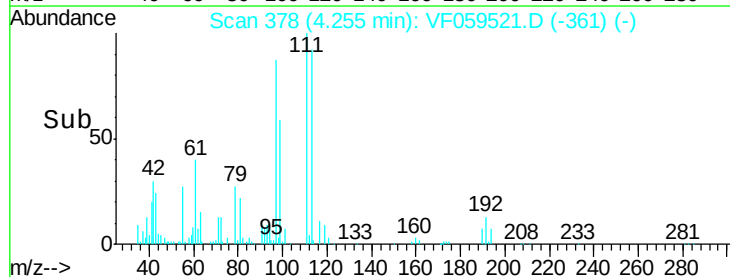
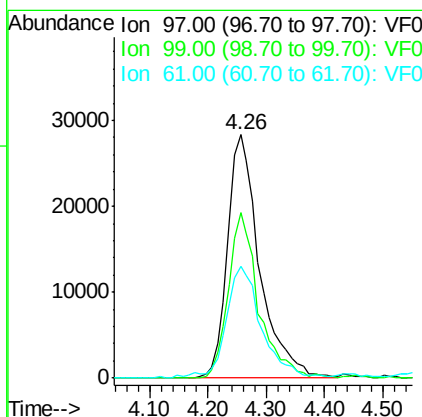
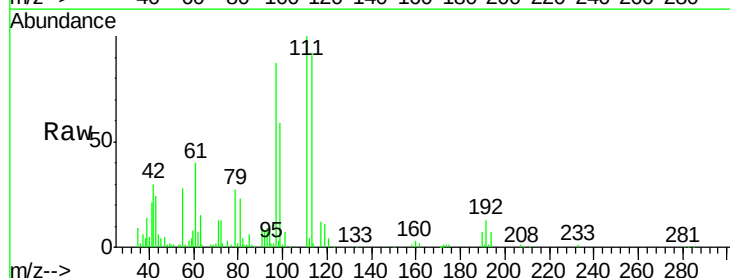
Instrument :
MSVOA_F
ClientSampleId :

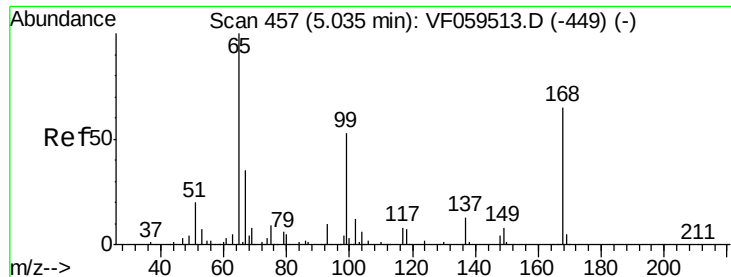
Tot Ion: 56 Resp: 59203
Ion Ratio Lower Upper
56 100
69 28.4 27.6 41.4
84 79.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 25.956 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 97 Resp: 109020
Ion Ratio Lower Upper
97 100
99 68.1 53.5 80.3
61 45.7 39.7 59.5

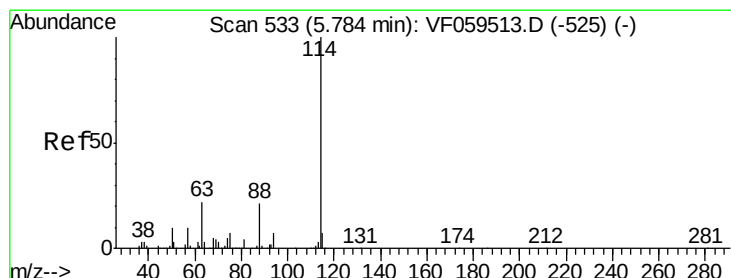
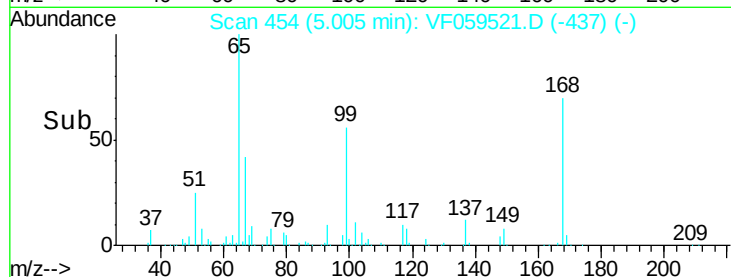
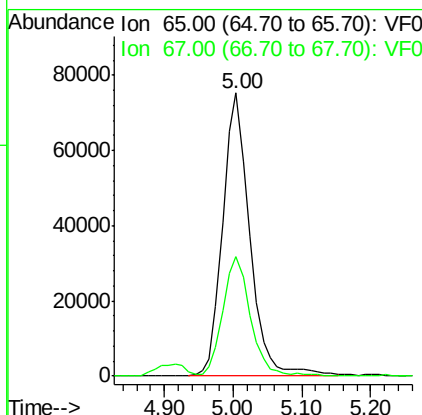
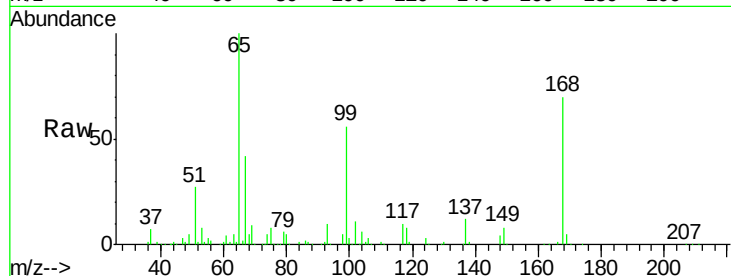




#33
 1,2-Dichloroethane-d4
 Concen: 48.041 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

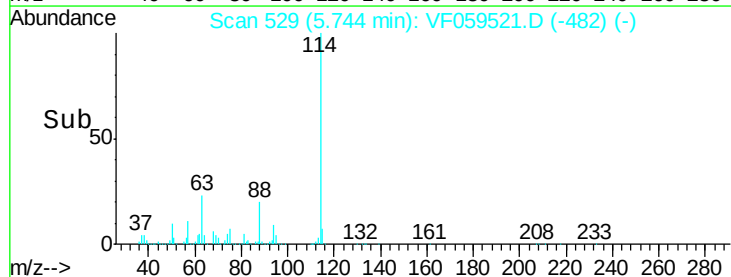
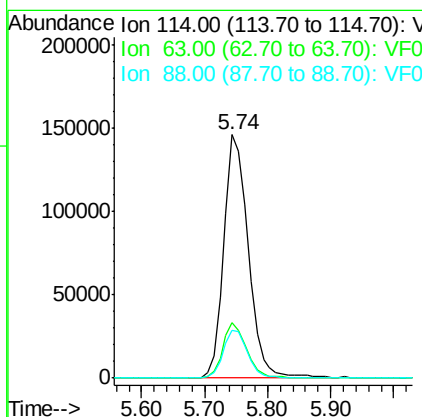
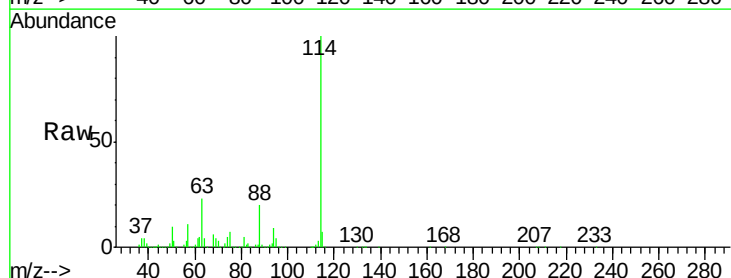
Instrument :
 MSVOA_F
 ClientSampled :

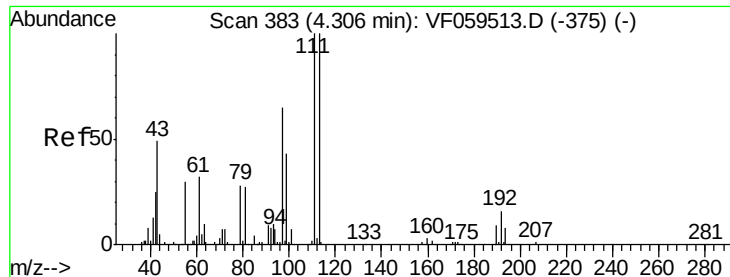
Tot Ion: 65 Resp: 206420
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Tgt Ion: 114 Resp: 394927
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.8
 88 19.5 0.0 42.6





#35

Dibromofluoromethane

Concen: 48.263 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :
MSVOA_F
ClientSampleId :

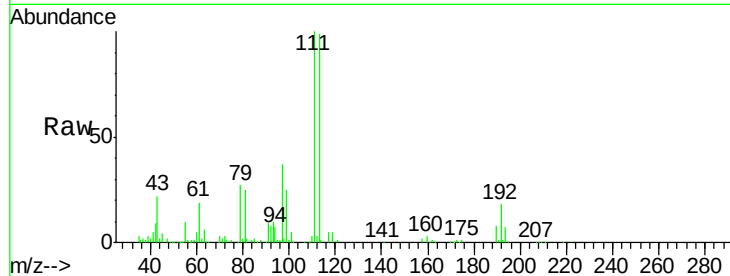
Tot Ion:113 Resp: 165078

Ion Ratio Lower Upper

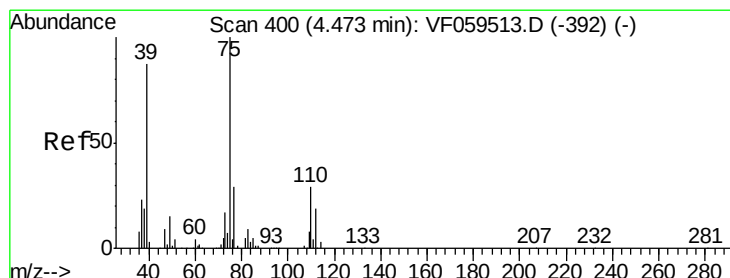
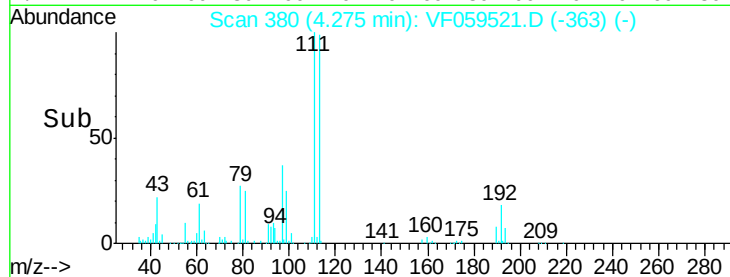
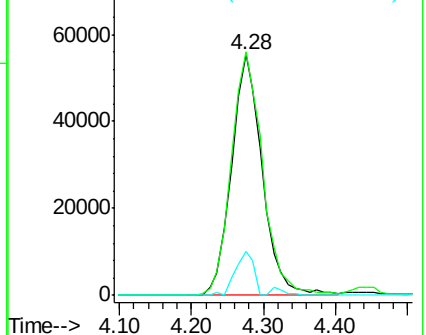
113 100

111 101.3 80.3 120.5

192 18.4 13.1 19.7



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: 20.701 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

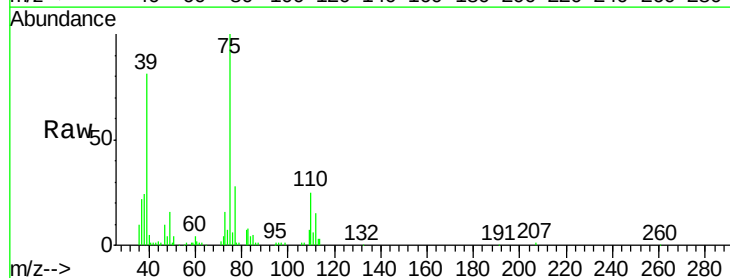
Tgt Ion: 75 Resp: 81830

Ion Ratio Lower Upper

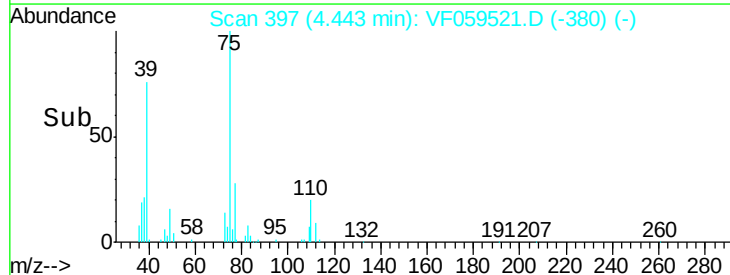
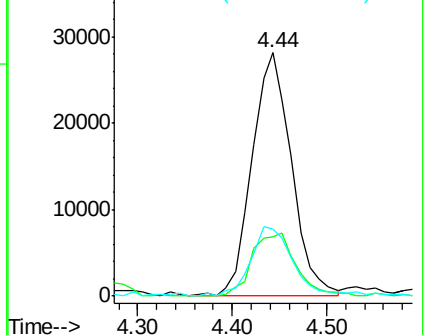
75 100

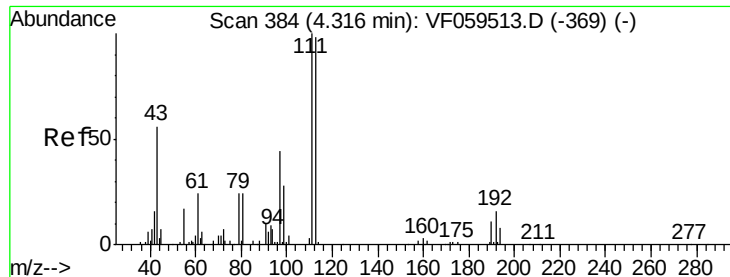
110 24.6 14.6 43.8

77 27.7 23.7 35.5



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: 18.438 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.04 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :
MSVOA_F
ClientSampleId :

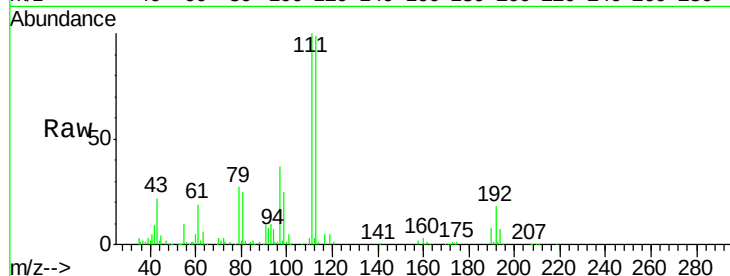
Tot Ion: 43 Resp: 46970

Ion Ratio Lower Upper

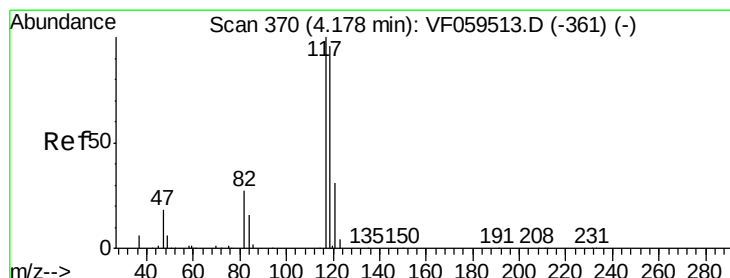
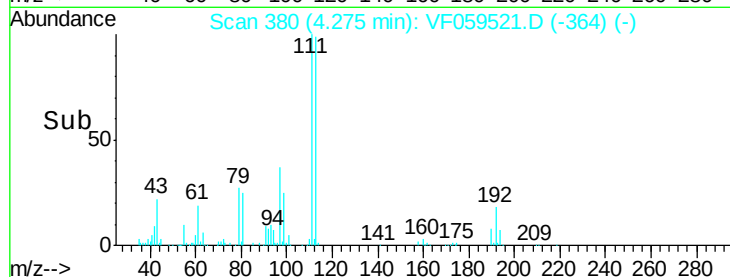
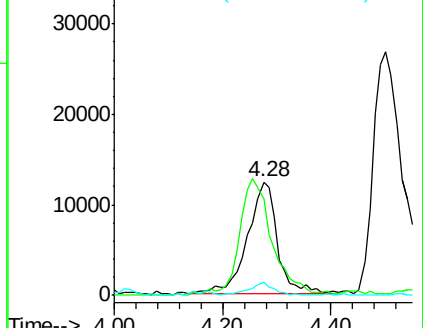
43 100

61 85.4 33.7 50.5#

70 11.7 7.4 11.0#



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: 26.197 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

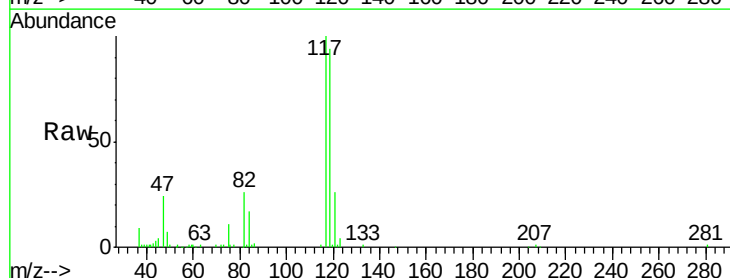
Tgt Ion: 117 Resp: 118673

Ion Ratio Lower Upper

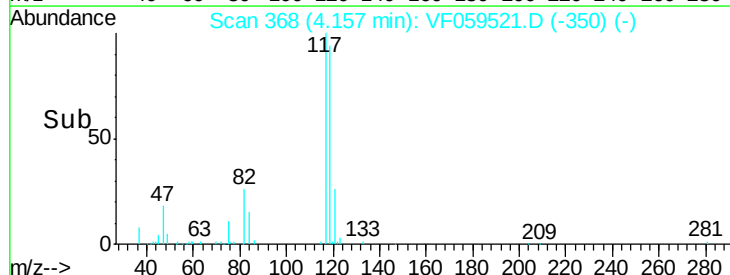
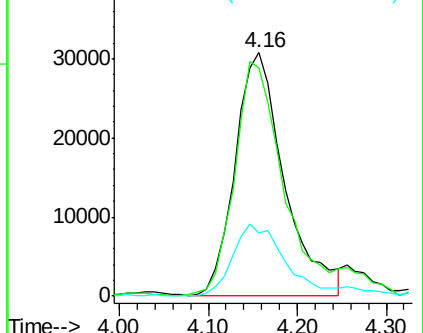
117 100

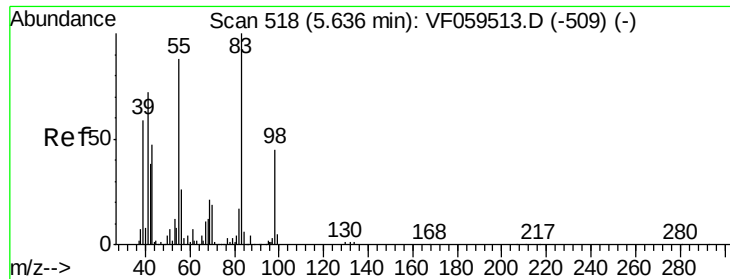
119 93.8 77.6 116.4

121 25.7 24.9 37.3



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

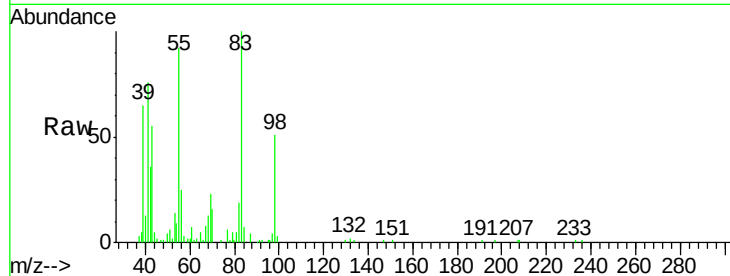




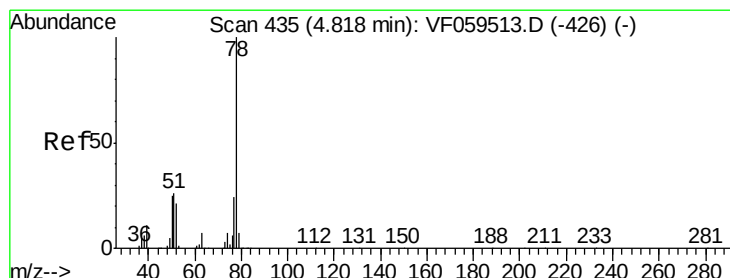
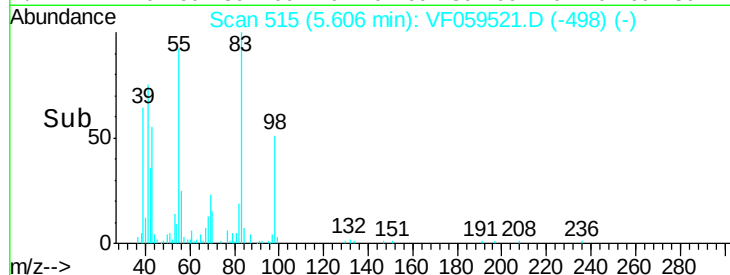
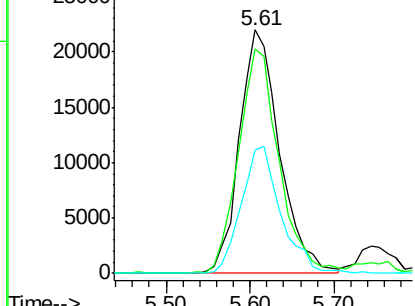
#39
Methylvlcyclohexane
Concen: 24.432 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 73296
Ion Ratio Lower Upper
83 100
55 92.1 70.2 105.4
98 50.8 36.2 54.2

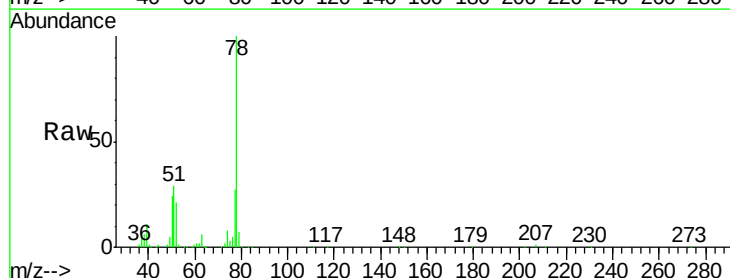


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

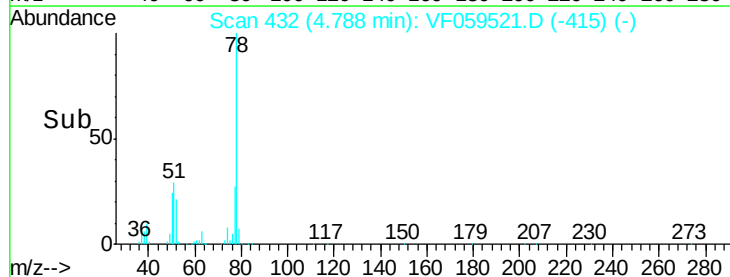
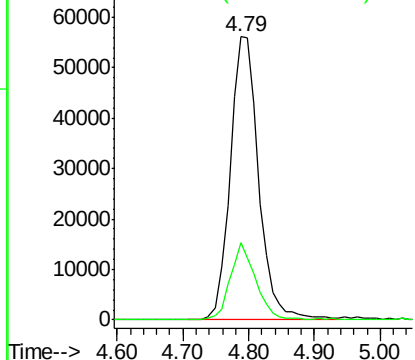


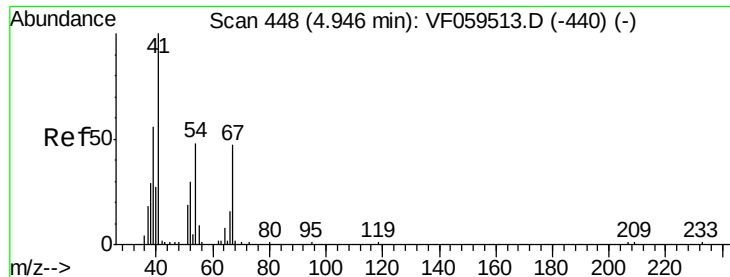
#40
Benzene
Concen: 22.131 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 78 Resp: 169720
Ion Ratio Lower Upper
78 100
77 27.3 19.4 29.0



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

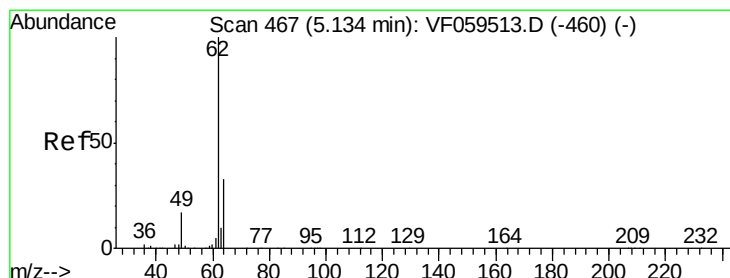
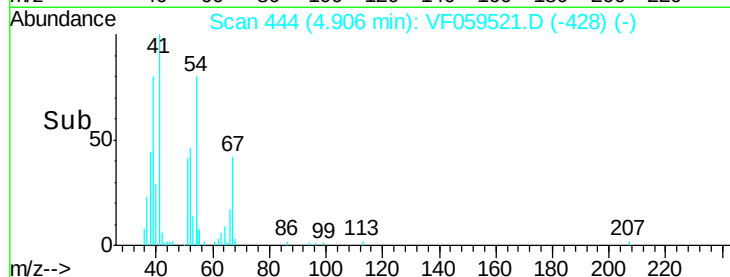
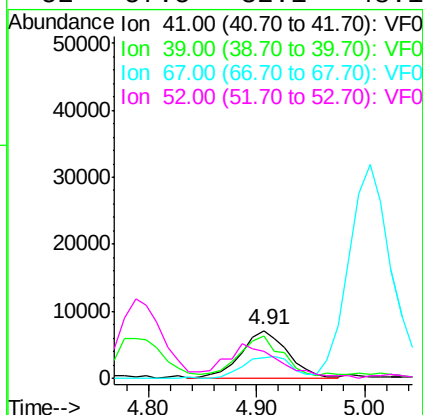
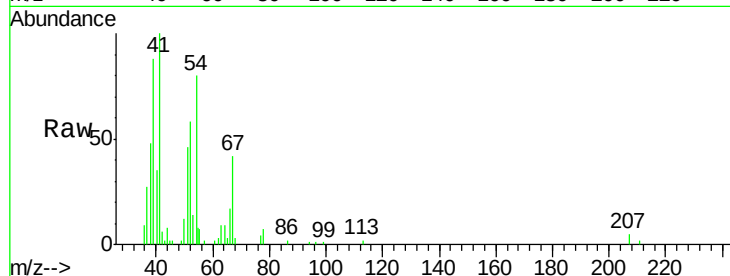




#41
Methacrylonitrile
Concen: 18.820 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

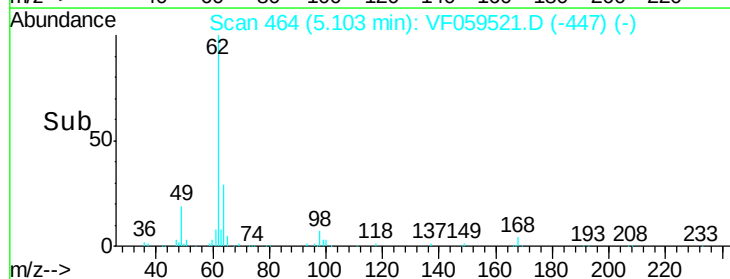
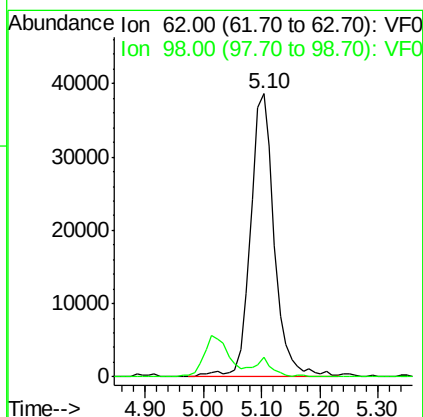
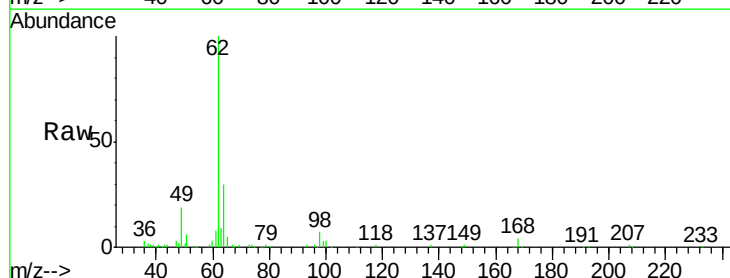
Instrument :
MSVOA_F
ClientSampled :

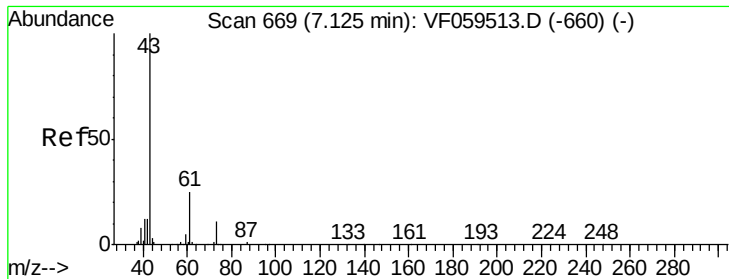
Tot Ion: 41 Resp: 21334
Ion Ratio Lower Upper
41 100
39 87.6 49.4 74.0#
67 42.0 37.4 56.2
52 57.5 32.1 48.1#



#42
1,2-Dichloroethane
Concen: 22.164 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 62 Resp: 111647
Ion Ratio Lower Upper
62 100
98 6.8 0.0 9.6





#43

Isopropyl Acetate

Concen: 18.930 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

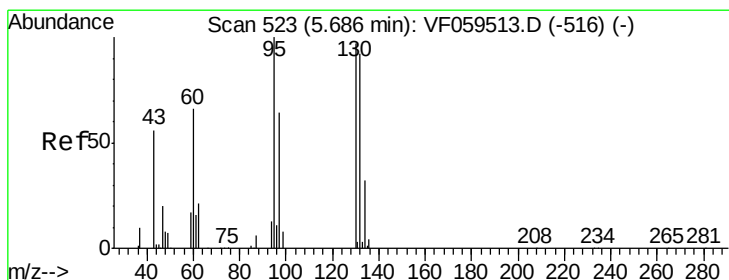
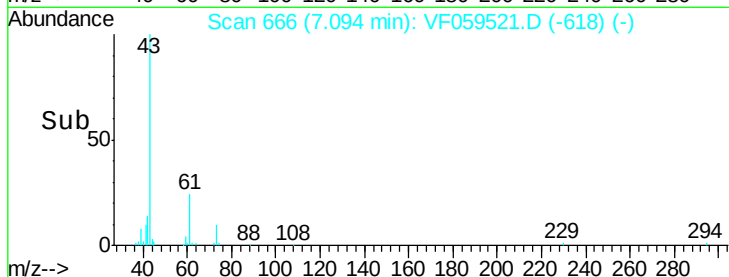
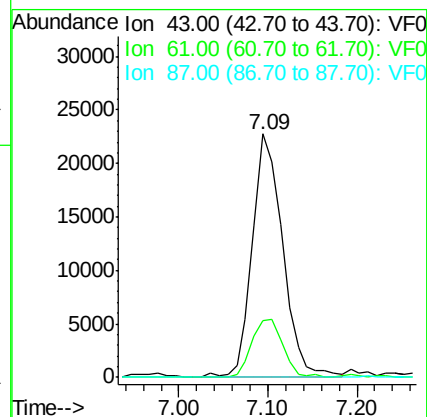
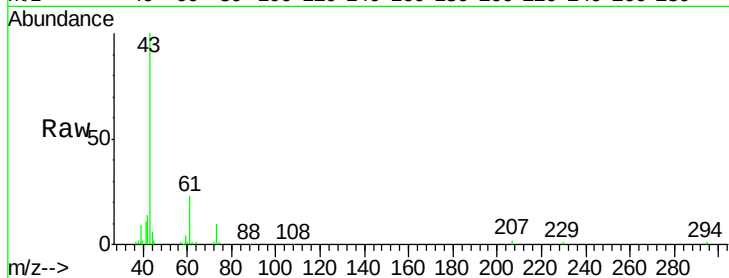
Tot Ion: 43 Resp: 53771

Ion Ratio Lower Upper

43 100

61 23.5 20.3 30.5

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 21.725 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.03 min

Lab File: VF059521.D

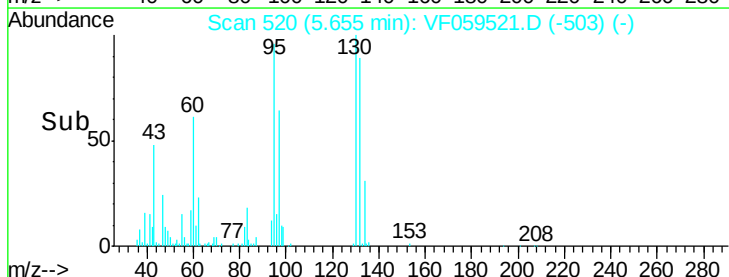
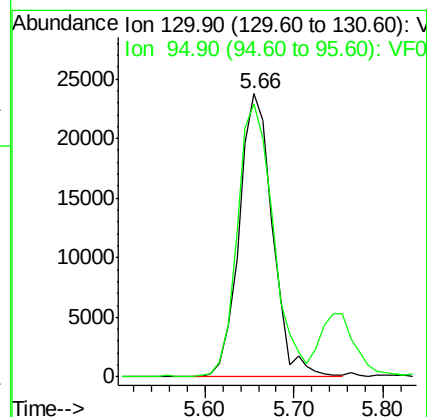
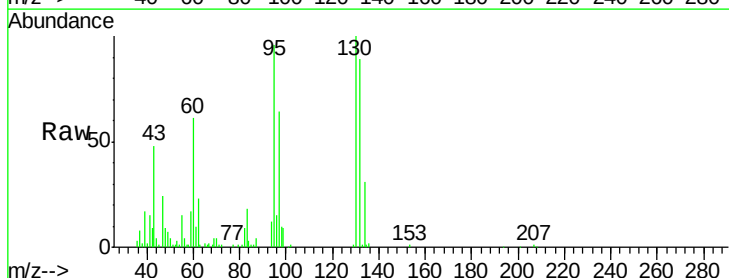
Acq: 18 Jul 2018 19:26

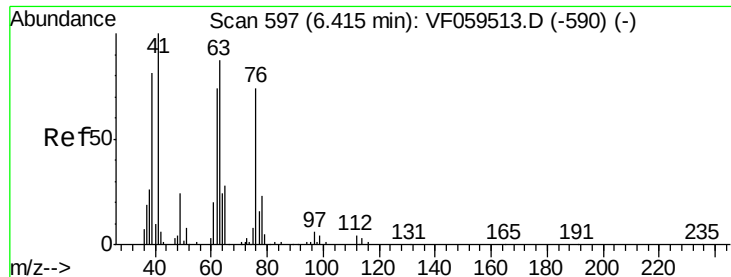
Tgt Ion:130 Resp: 61671

Ion Ratio Lower Upper

130 100

95 96.4 0.0 206.6

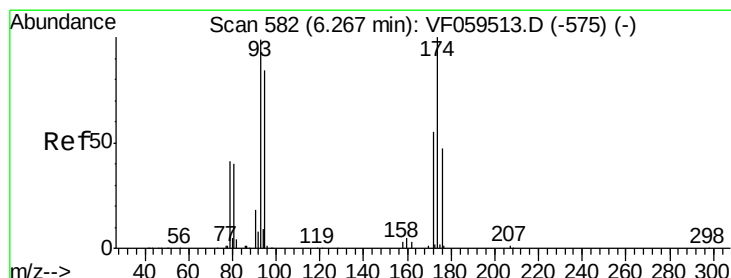
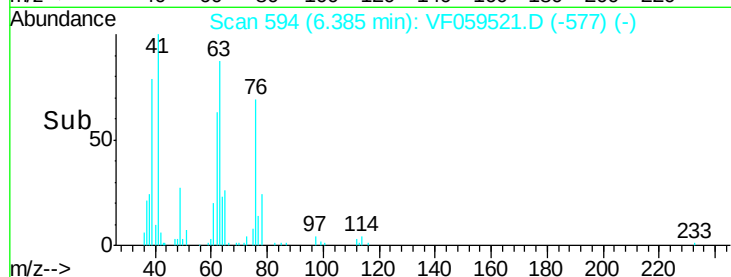
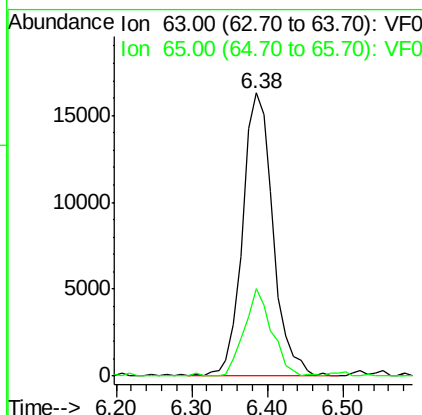
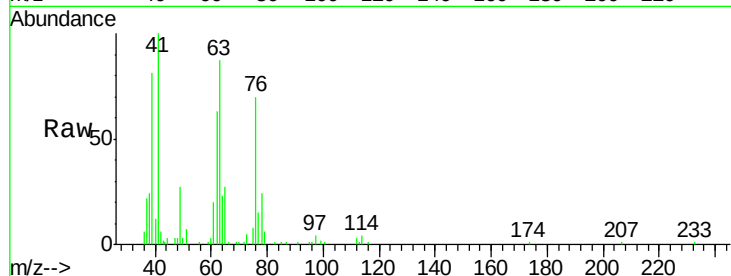




#45
 1,2-Dichloropropane
 Concen: 21.367 ug/l
 RT: 6.38 min Scan# 594
 Delta R.T. -0.03 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

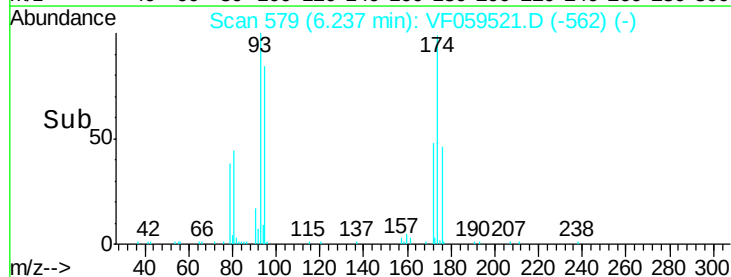
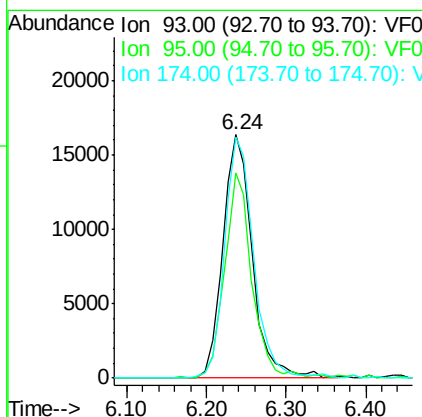
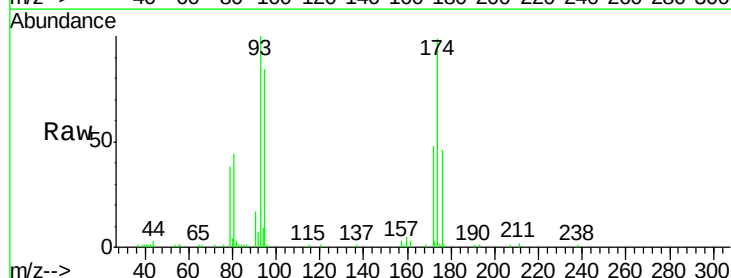
Instrument :
 MSVOA_F
 ClientSampleId :

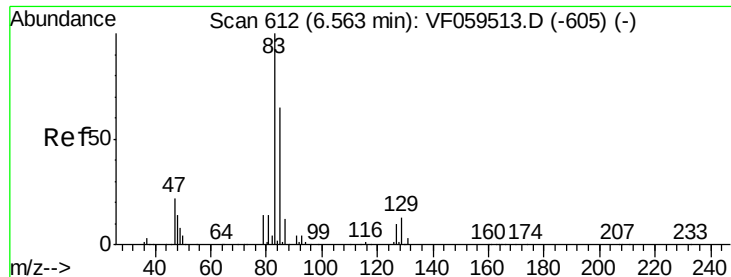
Tot Ion: 63 Resp: 45481
 Ion Ratio Lower Upper
 63 100
 65 31.0 26.1 39.1



#46
 Dibromomethane
 Concen: 22.004 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Tgt Ion: 93 Resp: 42654
 Ion Ratio Lower Upper
 93 100
 95 84.3 68.3 102.5
 174 99.1 81.2 121.8





#47

Bromodichloromethane

Concen: 21.698 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampled :

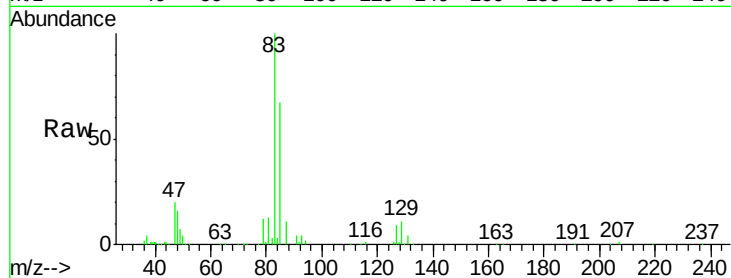
Tot Ion: 83 Resp: 108266

Ion Ratio Lower Upper

83 100

85 67.3 52.4 78.6

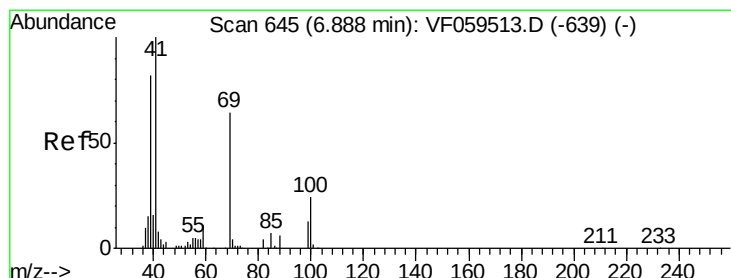
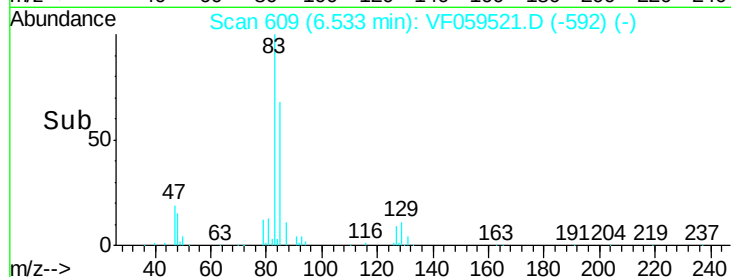
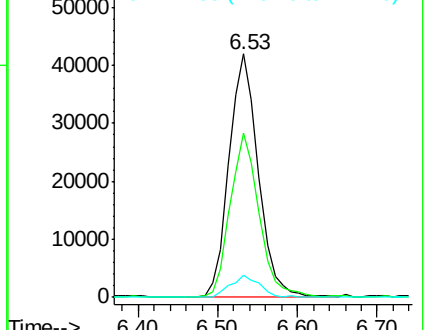
127 9.2 8.2 12.4



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: 18.886 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

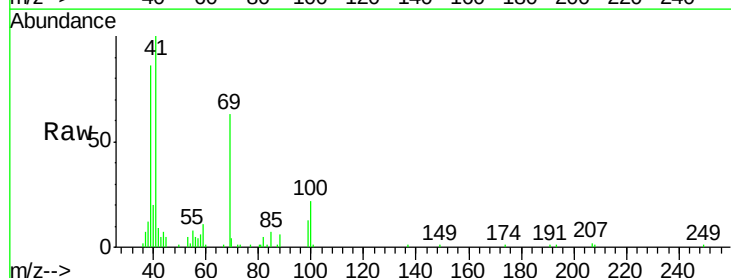
Tgt Ion: 41 Resp: 38313

Ion Ratio Lower Upper

41 100

69 63.5 51.3 76.9

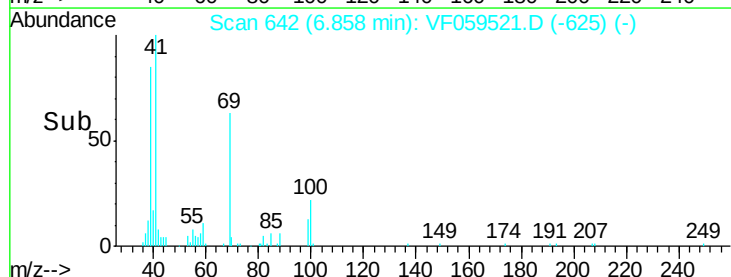
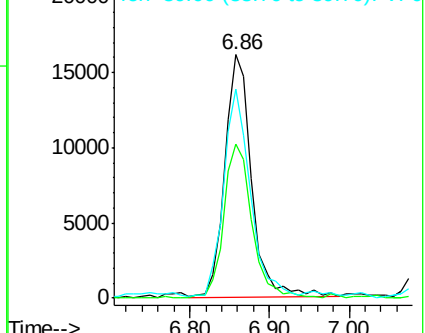
39 86.0 65.3 97.9

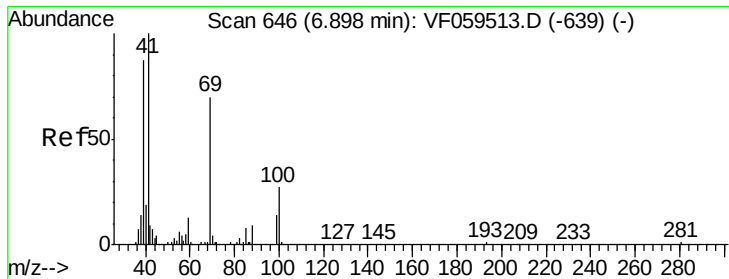


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 426.270 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.05 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

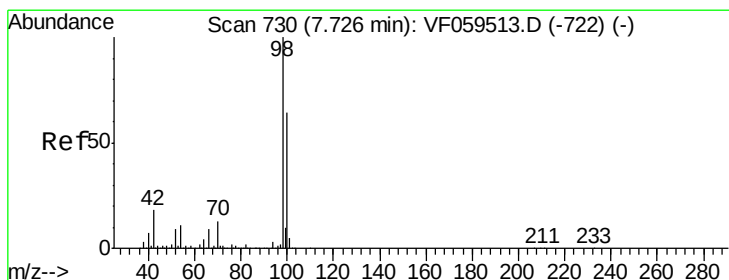
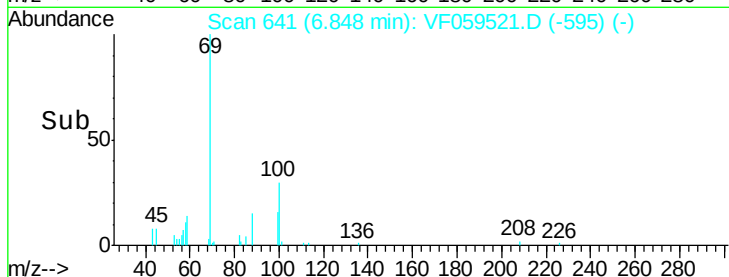
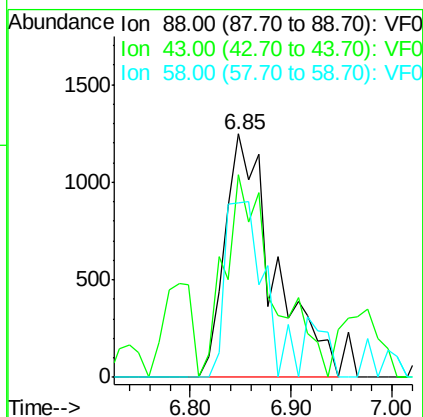
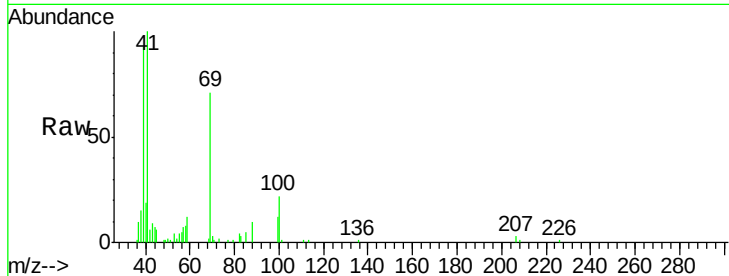
Tot Ion: 88 Resp: 4263

Ion Ratio Lower Upper

88 100

43 83.3 64.8 97.2

58 71.7 44.1 66.1#



#50

Toluene-d8

Concen: 45.843 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF059521.D

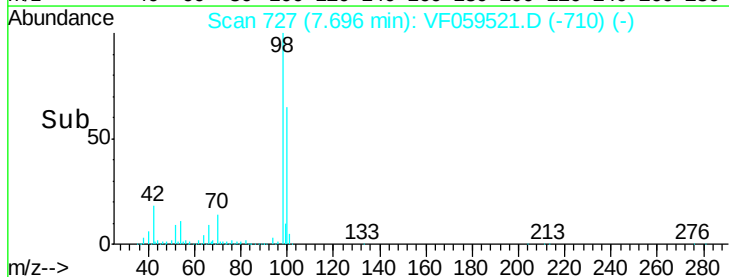
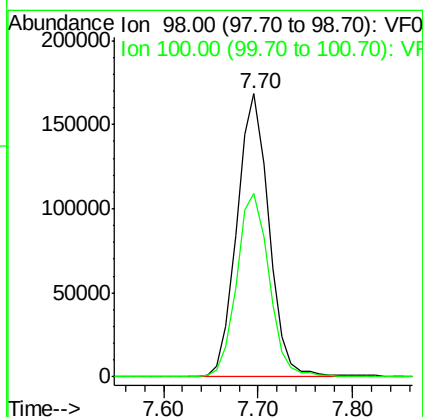
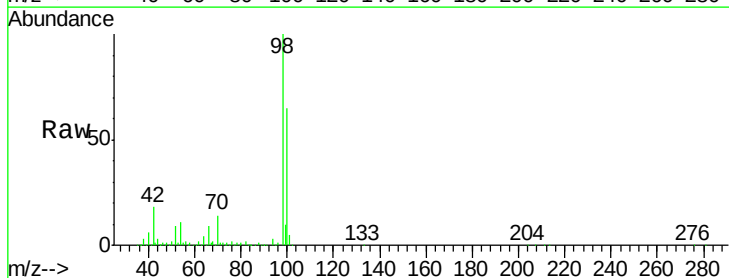
Acq: 18 Jul 2018 19:26

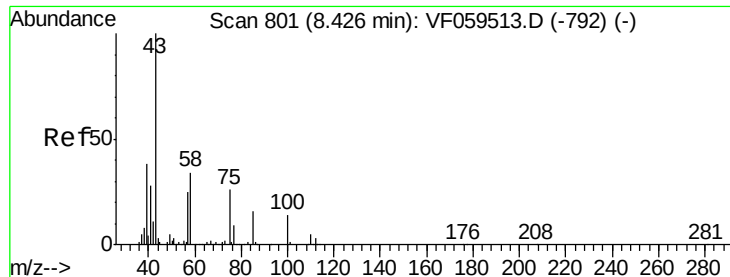
Tgt Ion: 98 Resp: 394972

Ion Ratio Lower Upper

98 100

100 64.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 103.387 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

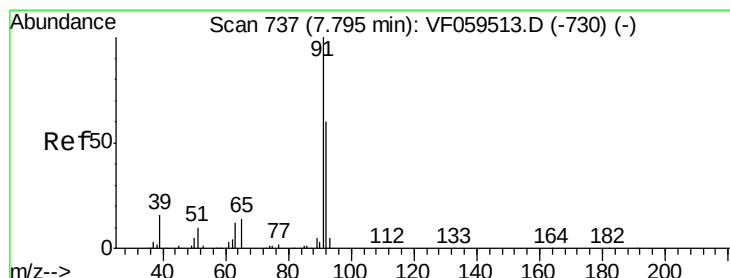
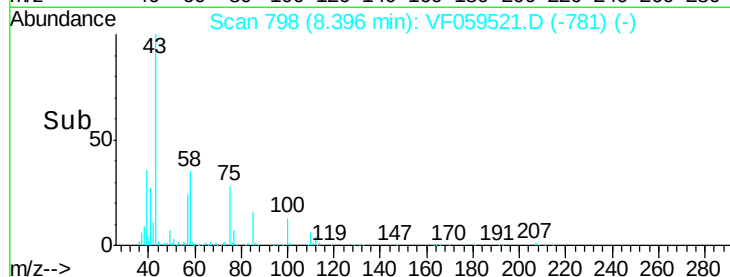
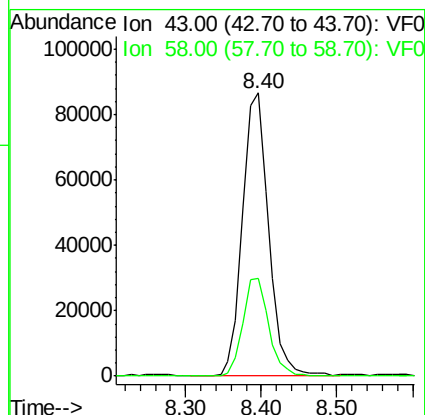
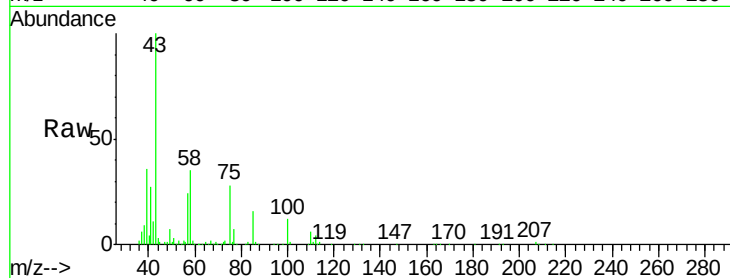
ClientSampleId :

Tot Ion: 43 Resp: 208167

Ion Ratio Lower Upper

43 100

58 34.7 27.4 41.2



#52

Toluene

Concen: 20.818 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059521.D

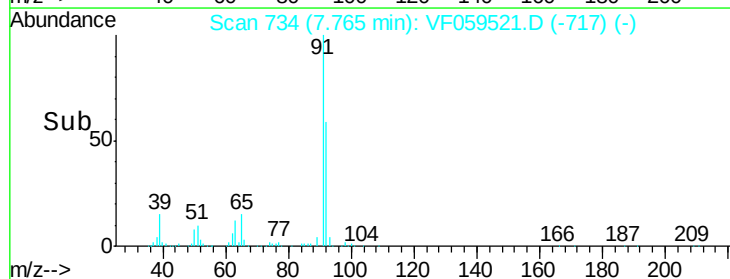
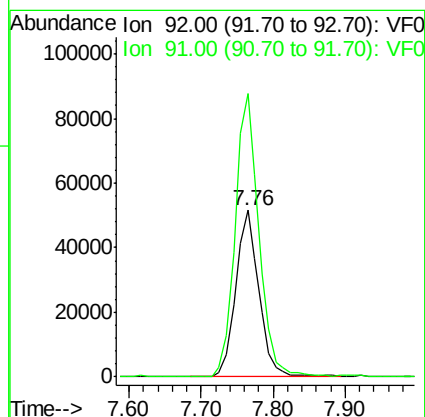
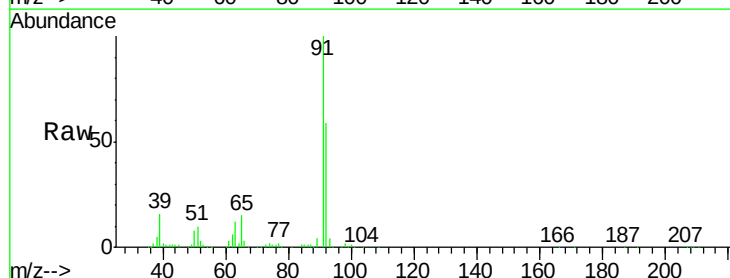
Acq: 18 Jul 2018 19:26

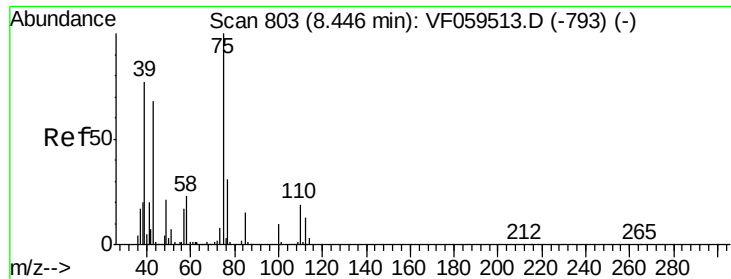
Tgt Ion: 92 Resp: 115788

Ion Ratio Lower Upper

92 100

91 170.2 134.2 201.4





#53

t-1,3-Dichloropropene

Concen: 21.048 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

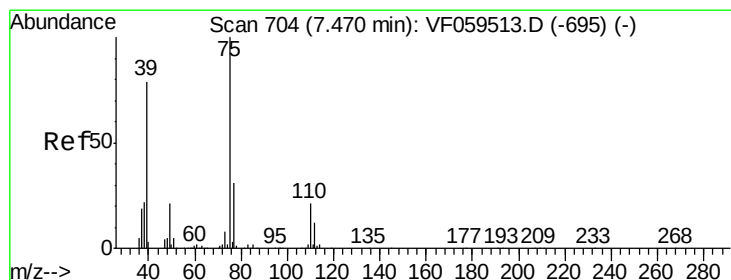
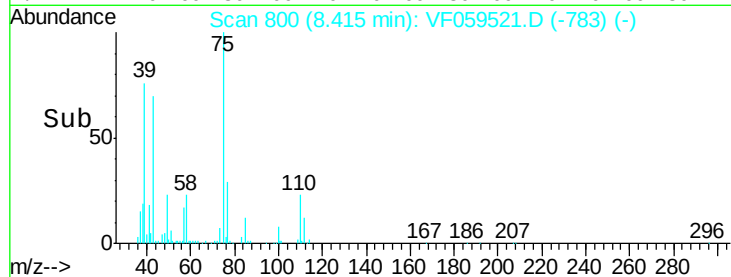
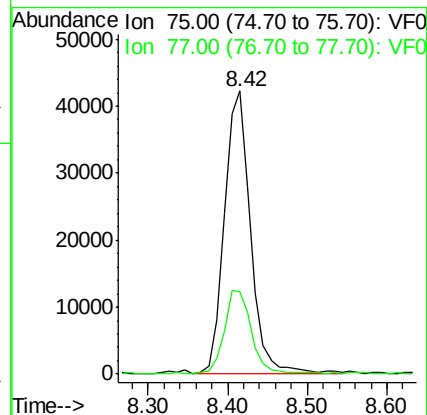
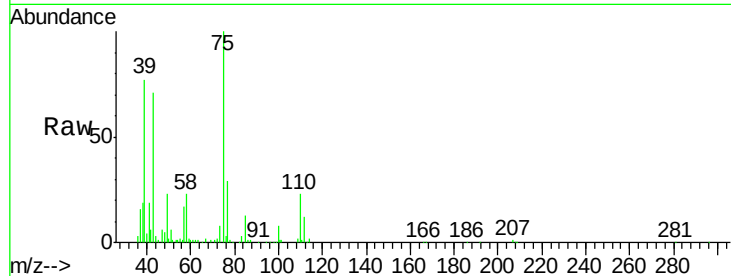
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 96603

Ion Ratio Lower Upper

75 100

77 29.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 21.666 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

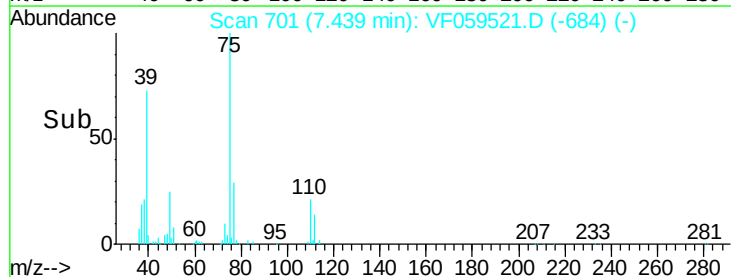
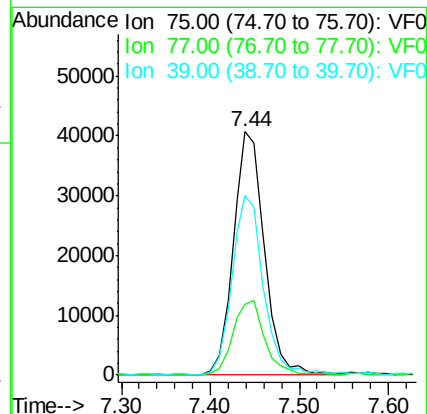
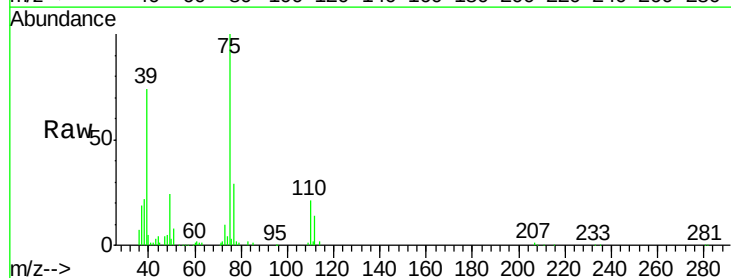
Tgt Ion: 75 Resp: 99013

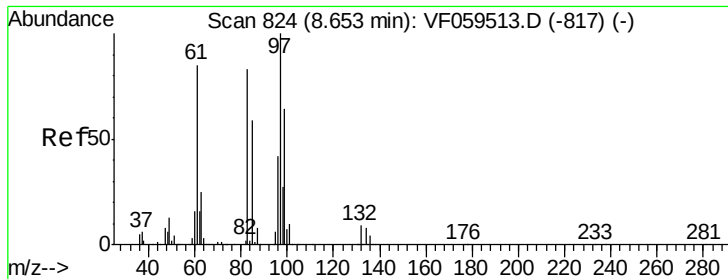
Ion Ratio Lower Upper

75 100

77 29.2 25.0 37.6

39 73.6 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 20.737 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF059521.D

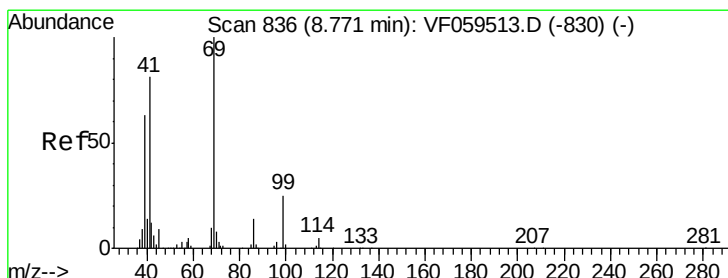
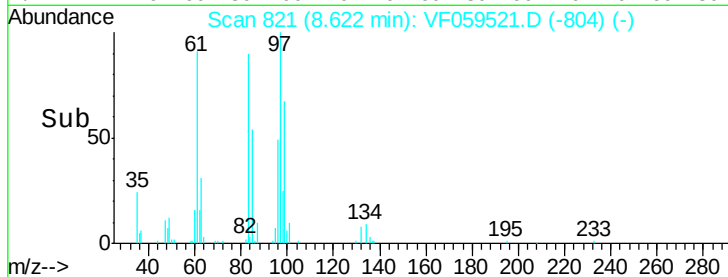
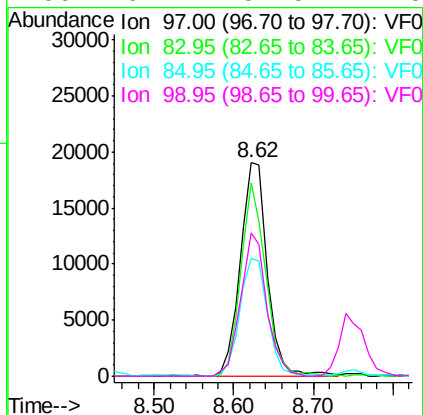
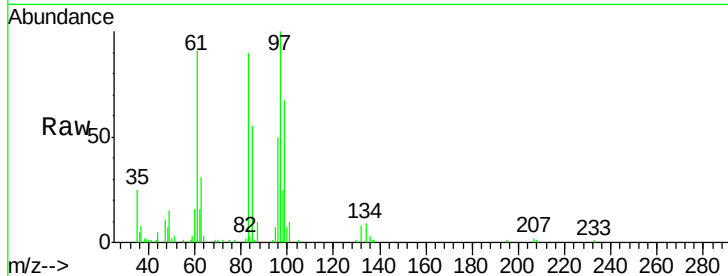
Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	97	Resp:	44687
Ion	Ratio	Lower	Upper
97	100		
83	90.2	66.9	100.3
85	55.2	46.9	70.3
99	67.4	51.5	77.3



#56

Ethyl methacrylate

Concen: 18.950 ug/l

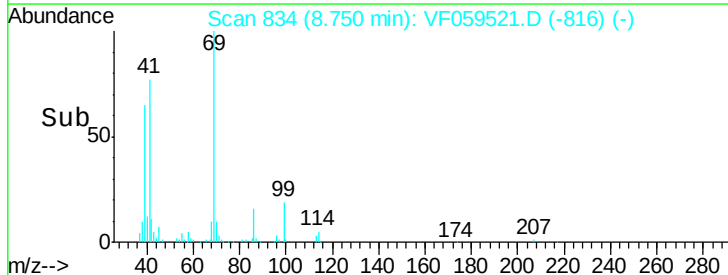
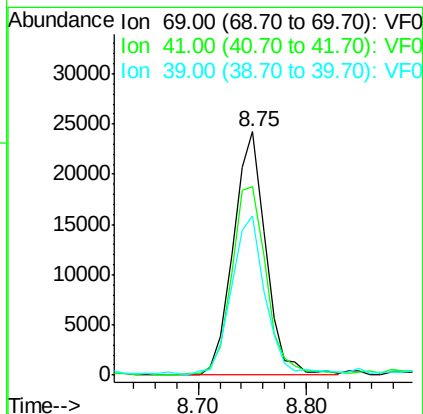
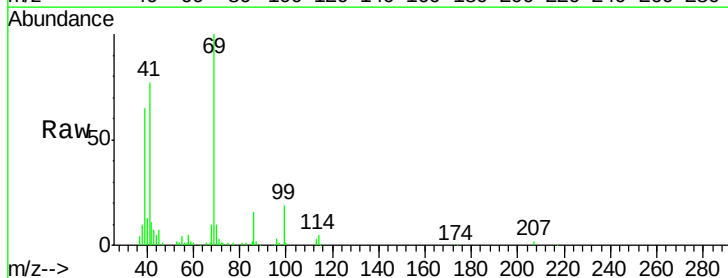
RT: 8.75 min Scan# 834

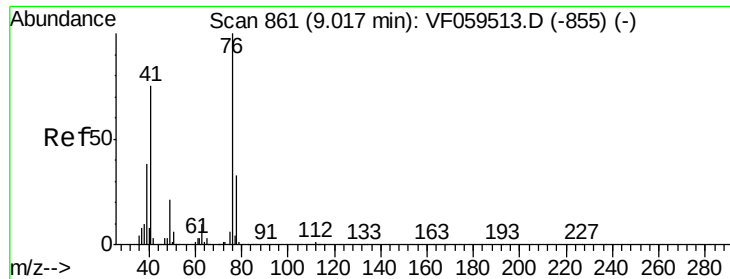
Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Tgt Ion:	69	Resp:	50643
Ion	Ratio	Lower	Upper
69	100		
41	77.2	65.4	98.2
39	65.4	51.0	76.4





#57

1,3-Dichloropropane

Concen: 20.719 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

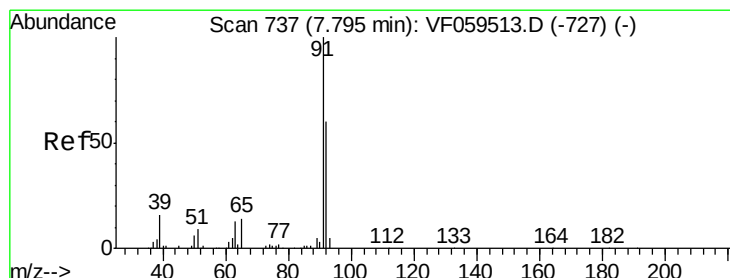
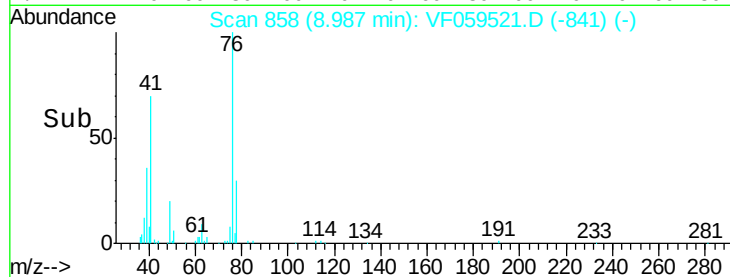
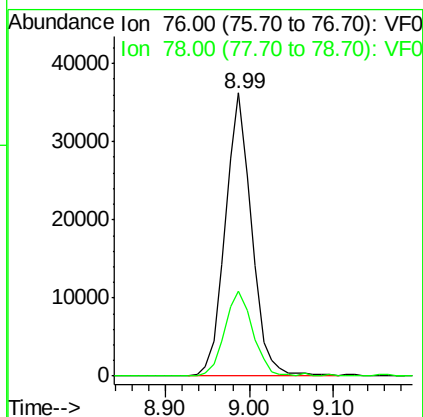
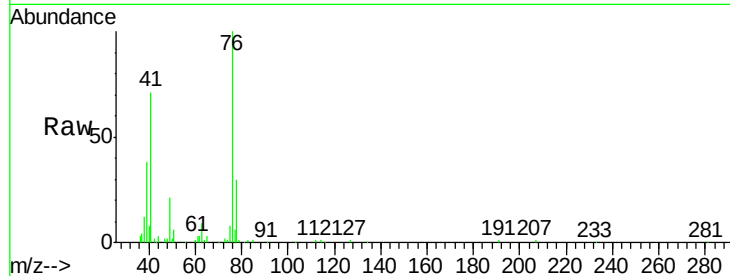
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 78951

Ion Ratio Lower Upper

76 100

78 30.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 103.229 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059521.D

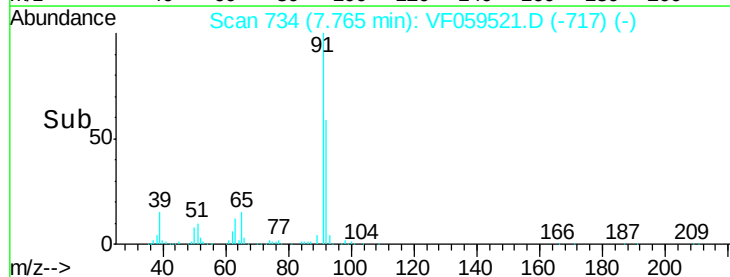
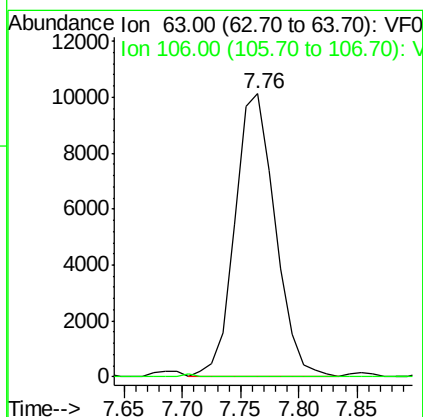
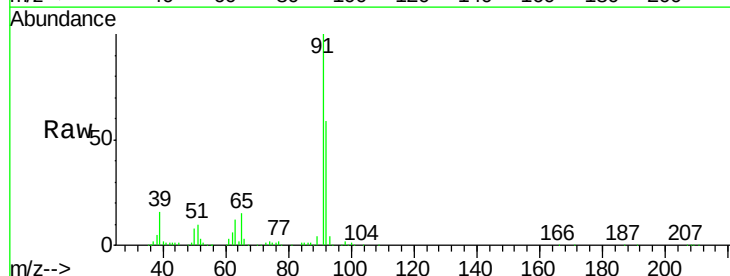
Acq: 18 Jul 2018 19:26

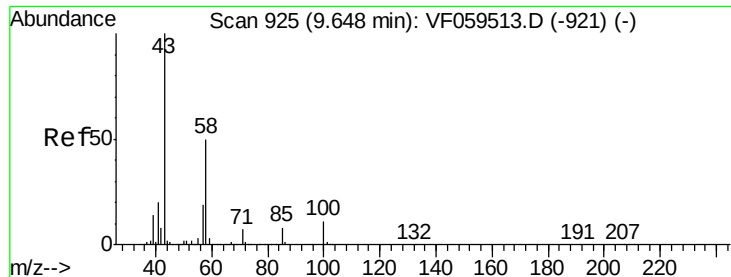
Tgt Ion: 63 Resp: 24356

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

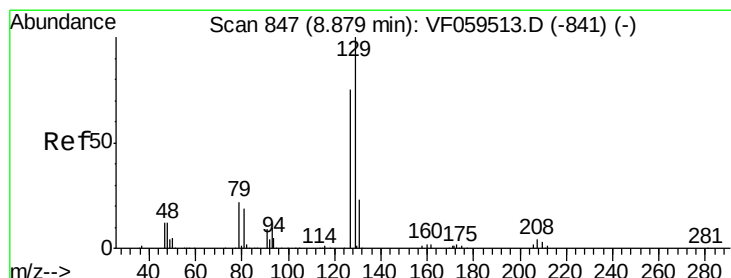
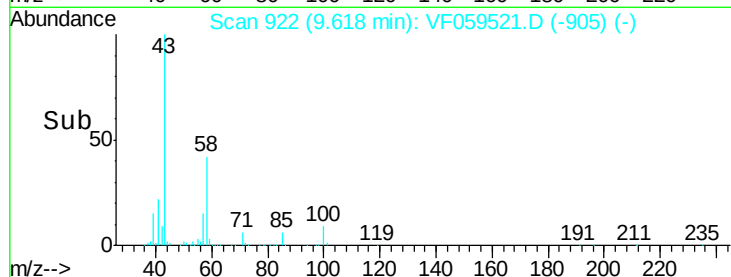
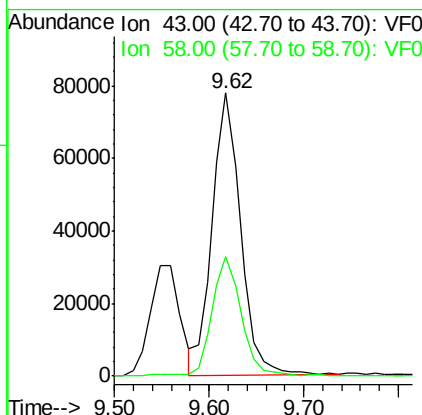
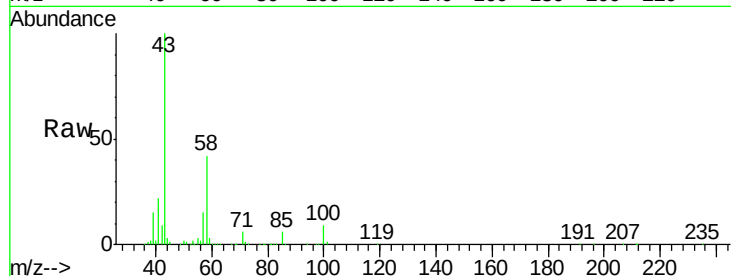




#59
2-Hexanone
Concen: 106.284 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

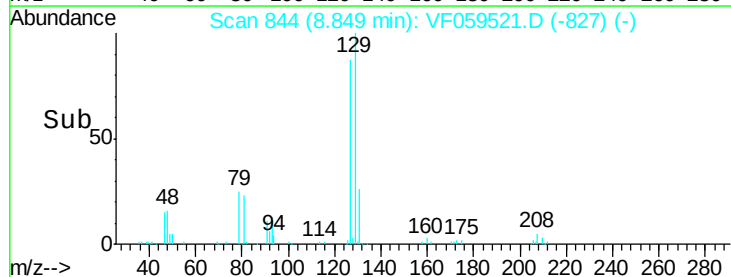
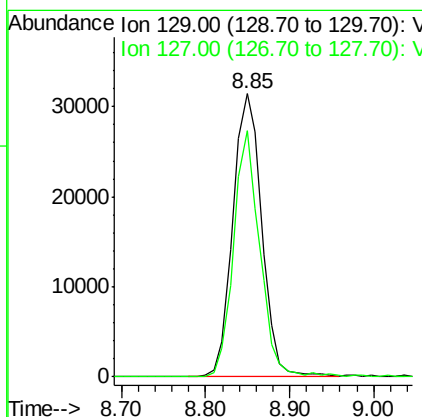
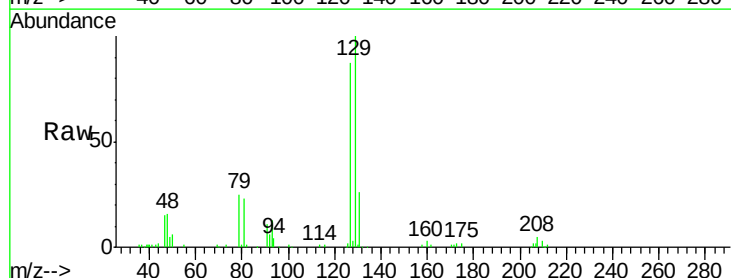
Instrument :
MSVOA_F
ClientSampled :

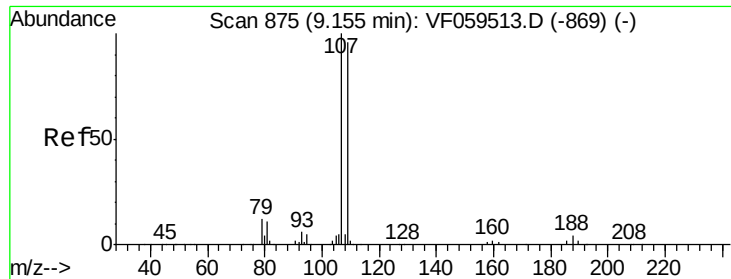
Tot Ion: 43 Resp: 161734
Ion Ratio Lower Upper
43 100
58 42.1 23.3 69.9



#60
Dibromochloromethane
Concen: 20.725 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 129 Resp: 75268
Ion Ratio Lower Upper
129 100
127 86.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.692 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

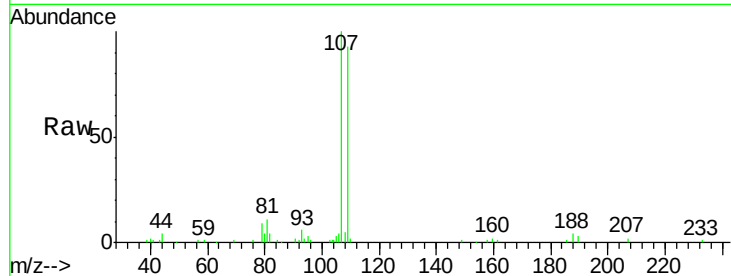
ClientSampled :

Tot Ion:107 Resp: 58004

Ion Ratio Lower Upper

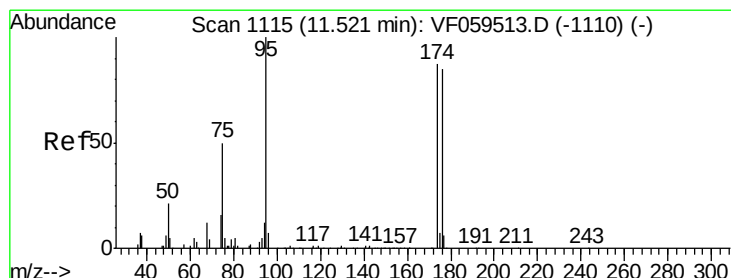
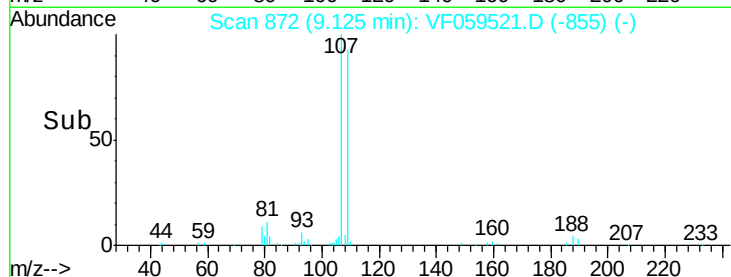
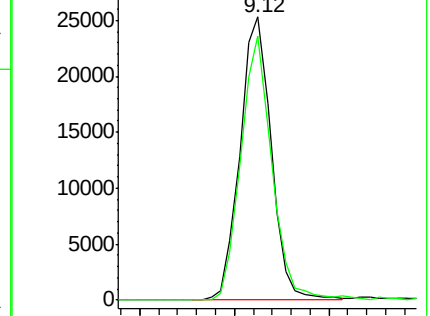
107 100

109 93.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.402 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

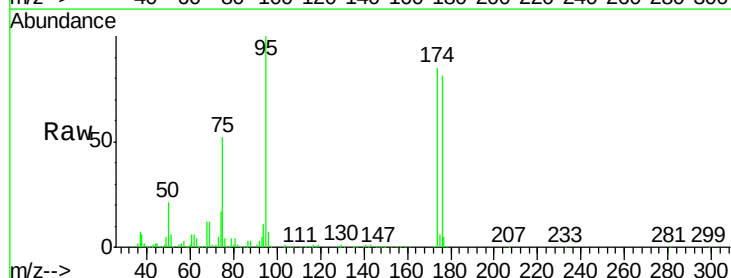
Tgt Ion: 95 Resp: 218768

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.4

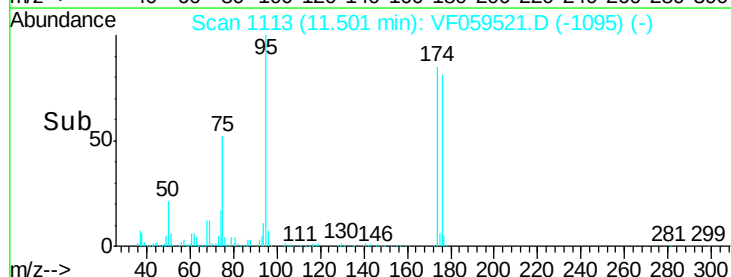
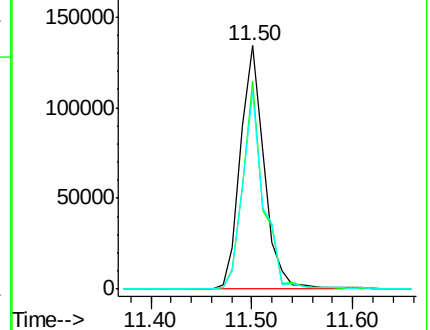
176 81.4 0.0 169.4

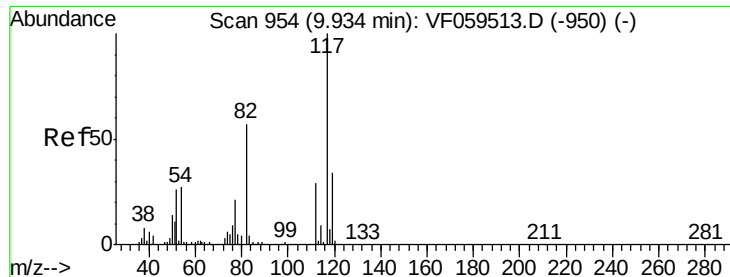


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

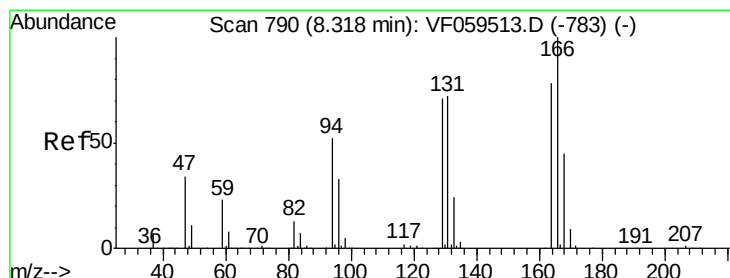
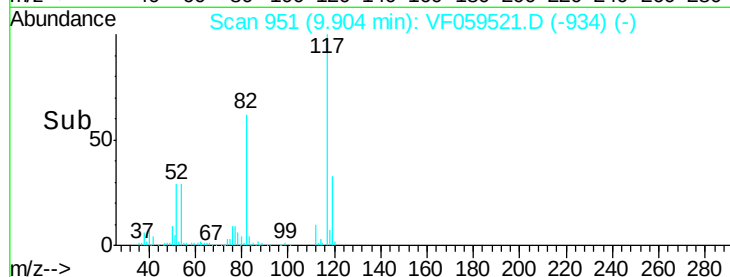
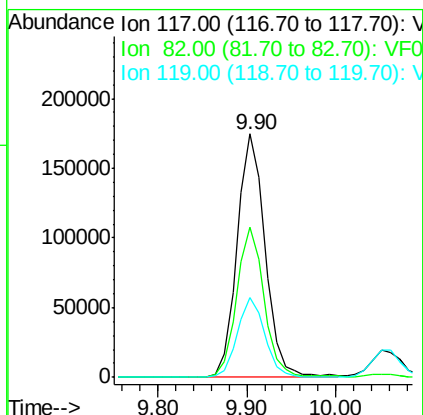
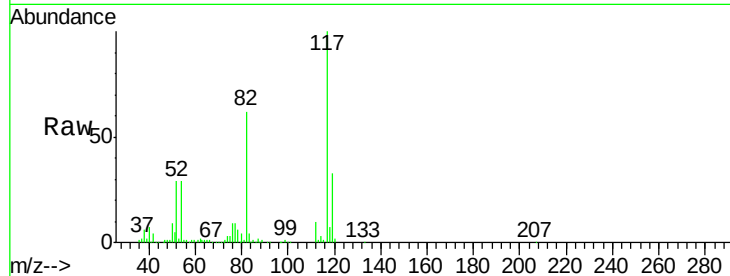




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

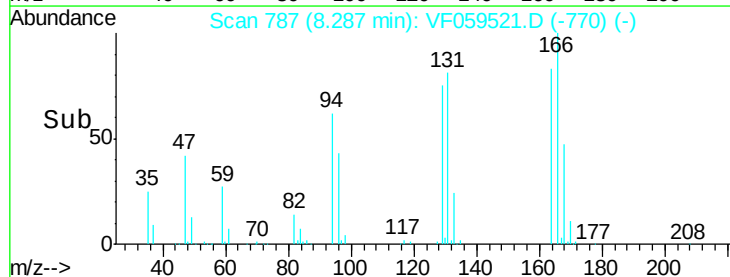
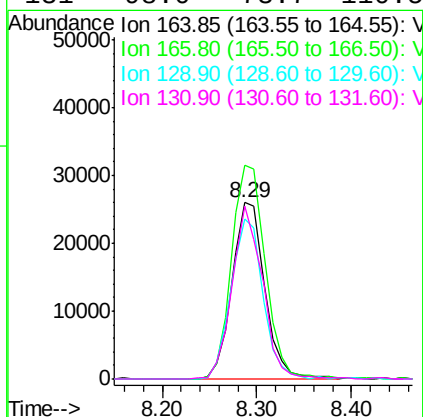
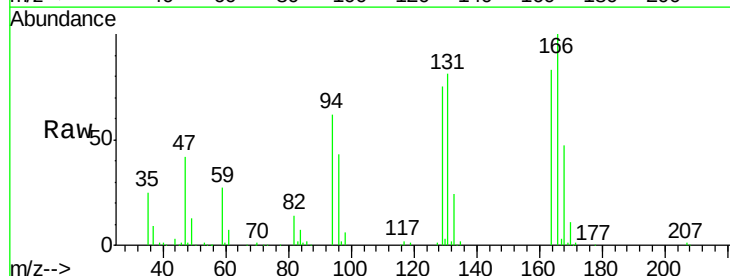
Instrument :
MSVOA_F
ClientSampleId :

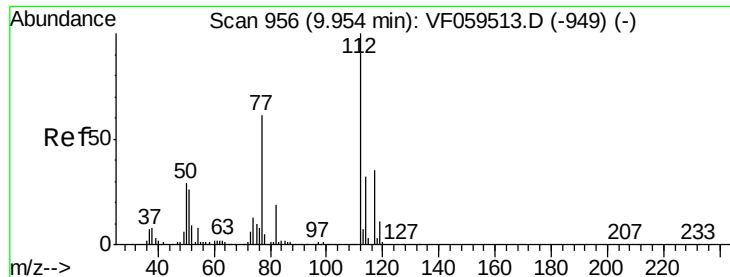
Tot Ion:117 Resp: 382727
Ion Ratio Lower Upper
117 100
82 61.9 46.1 69.1
119 32.6 27.2 40.8



#64
Tetrachloroethene
Concen: 21.793 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion:164 Resp: 62111
Ion Ratio Lower Upper
164 100
166 121.1 102.3 153.5
129 91.0 72.4 108.6
131 98.0 73.7 110.5

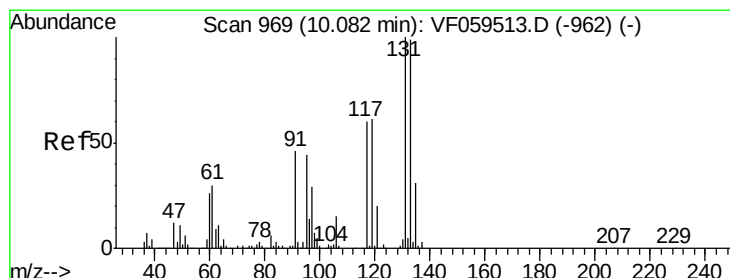
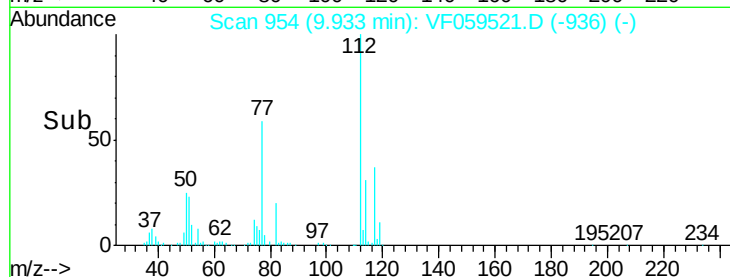
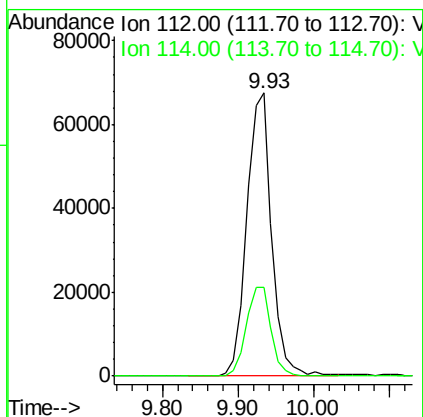
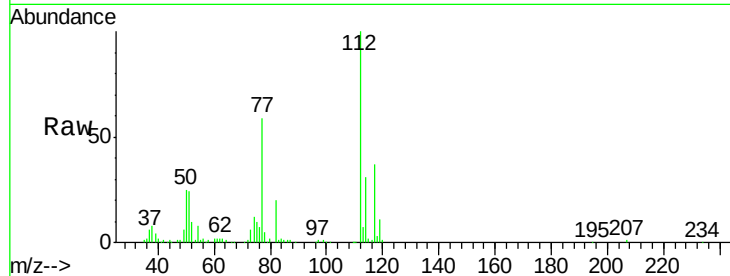




#65
Chlorobenzene
Concen: 21.443 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

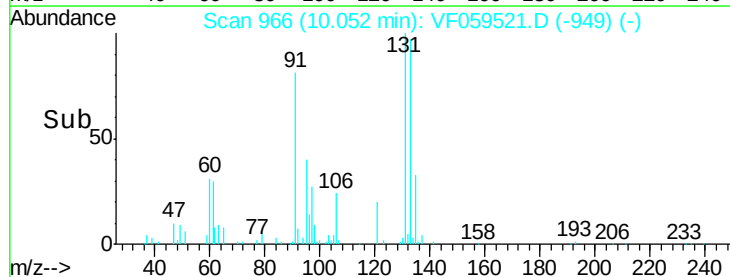
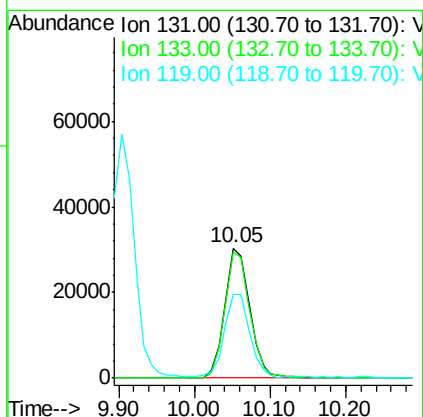
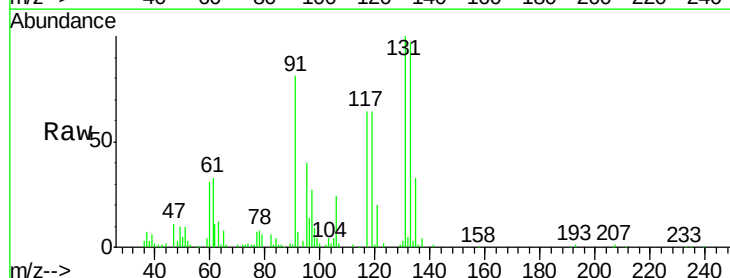
Instrument :
MSVOA_F
ClientSampleId :

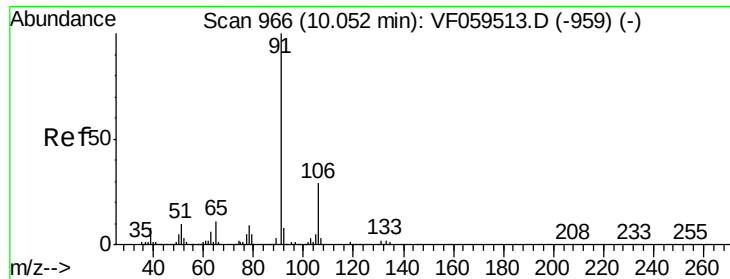
Tot Ion:112 Resp: 153912
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.338 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.03 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion:131 Resp: 69763
Ion Ratio Lower Upper
131 100
133 97.1 49.6 148.8
119 64.1 31.4 94.3





#67

Ethyl Benzene

Concen: 21.755 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.03 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

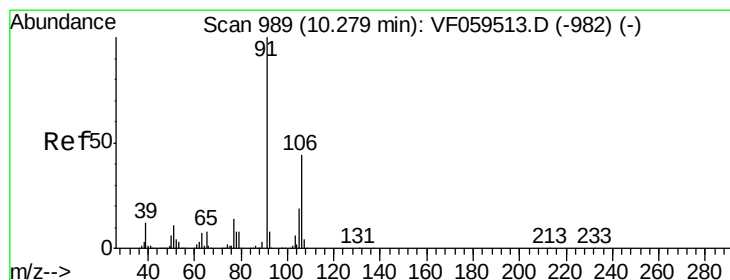
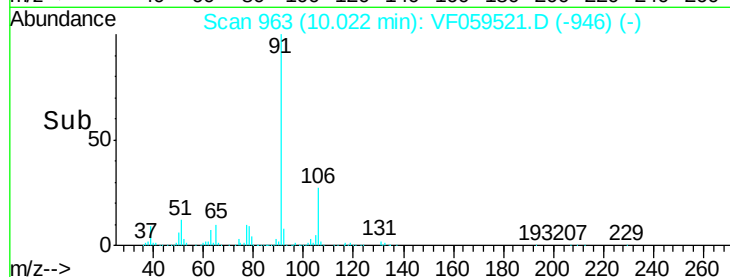
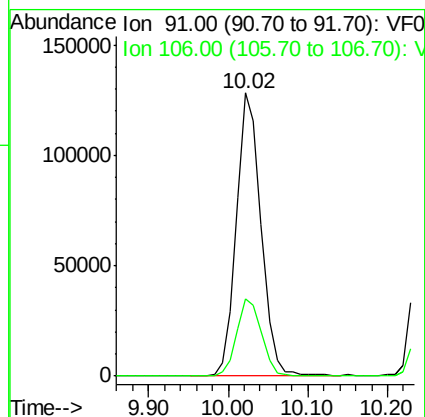
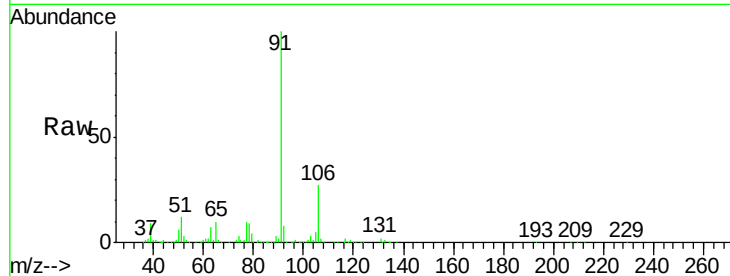
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 277956

Ion Ratio Lower Upper

91 100

106 27.2 23.4 35.2



#68

m/p-Xylenes

Concen: 44.052 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059521.D

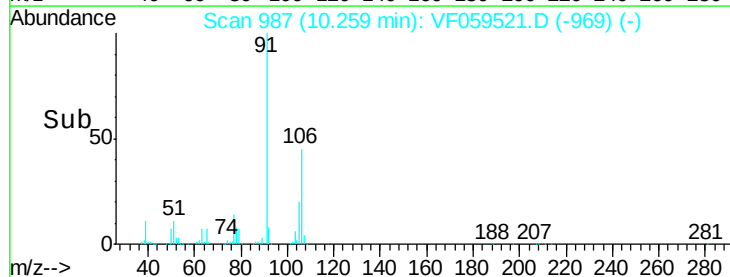
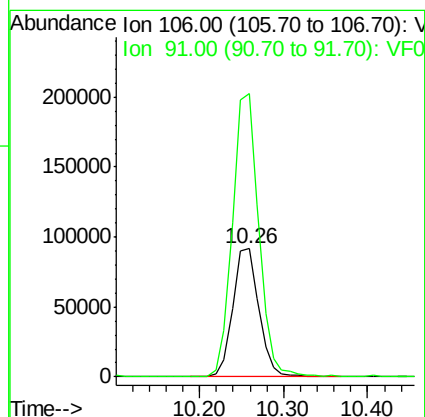
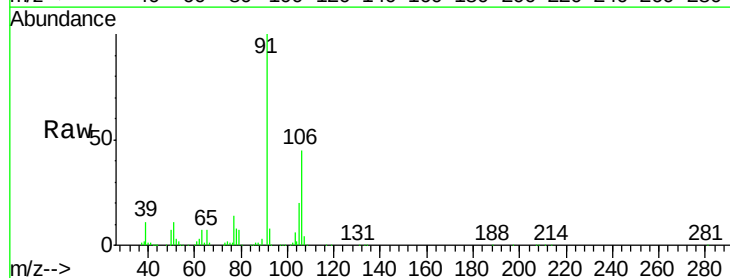
Acq: 18 Jul 2018 19:26

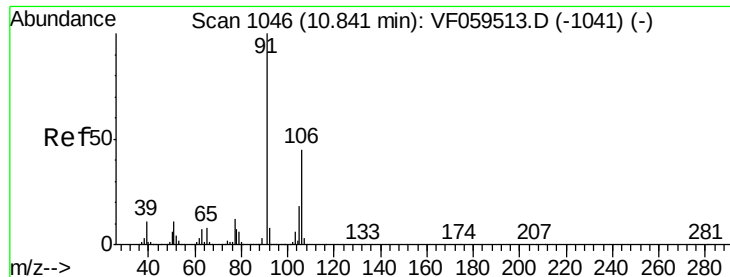
Tgt Ion: 106 Resp: 198651

Ion Ratio Lower Upper

106 100

91 221.1 181.0 271.4

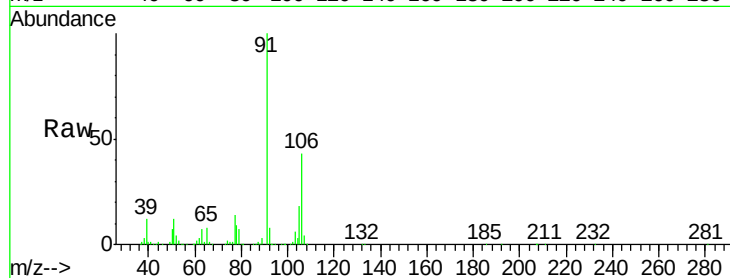




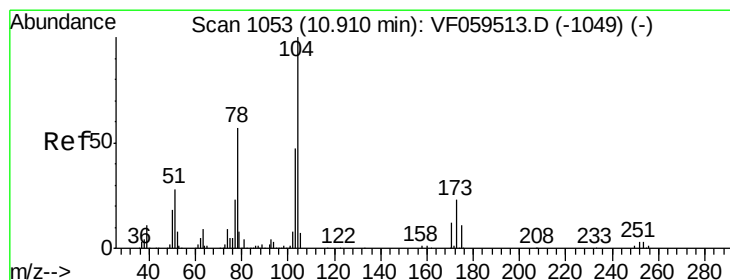
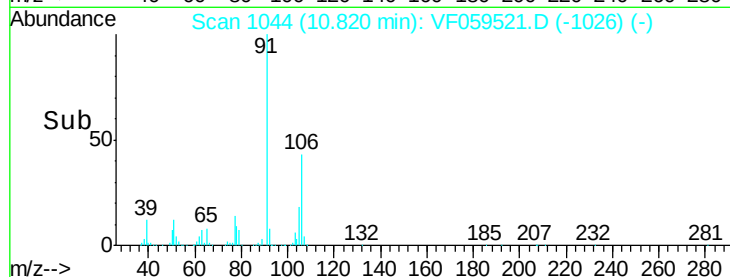
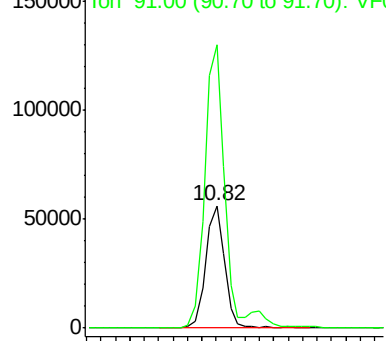
#69
o-Xylene
Concen: 21.685 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 104128
Ion Ratio Lower Upper
106 100
91 231.3 112.3 336.9

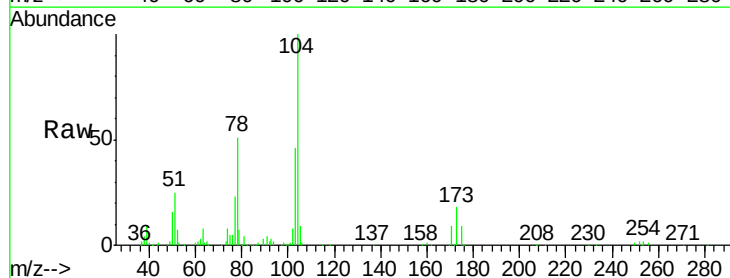


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

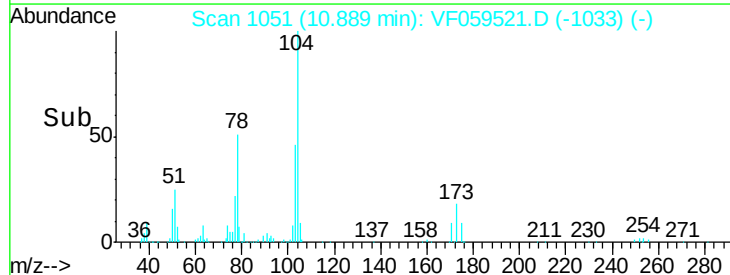
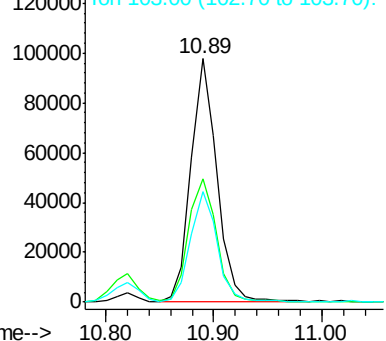


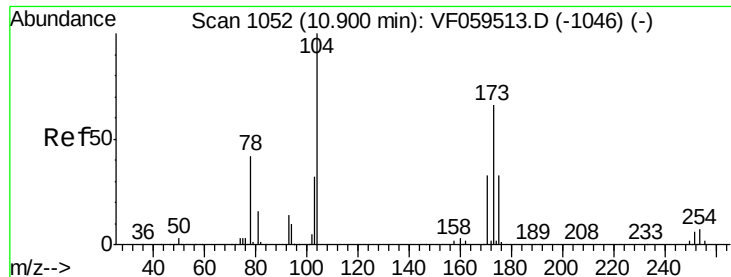
#70
Styrene
Concen: 22.108 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion:104 Resp: 163172
Ion Ratio Lower Upper
104 100
78 50.6 45.7 68.5
103 45.6 38.1 57.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.675 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampled :

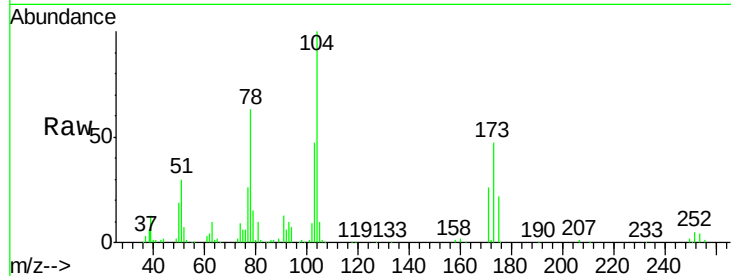
Tot Ion:173 Resp: 49222

Ion Ratio Lower Upper

173 100

175 47.0 25.3 75.8

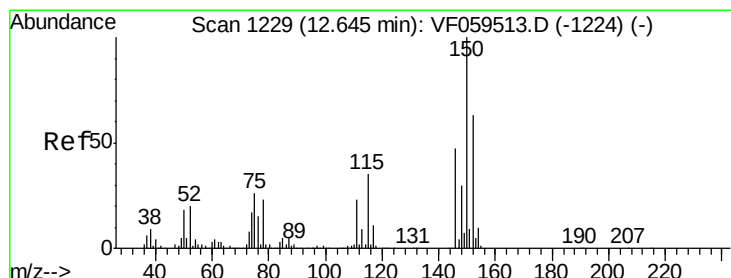
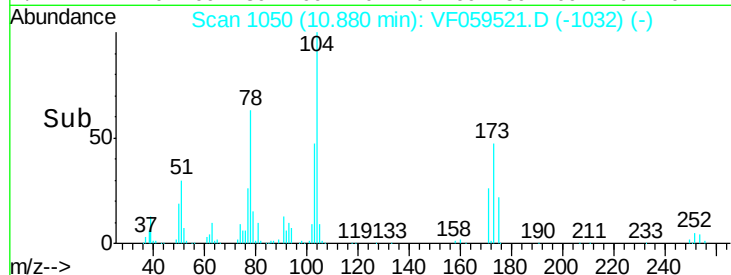
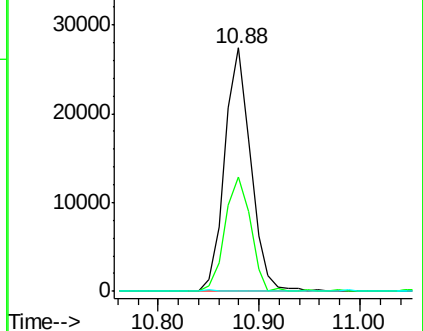
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

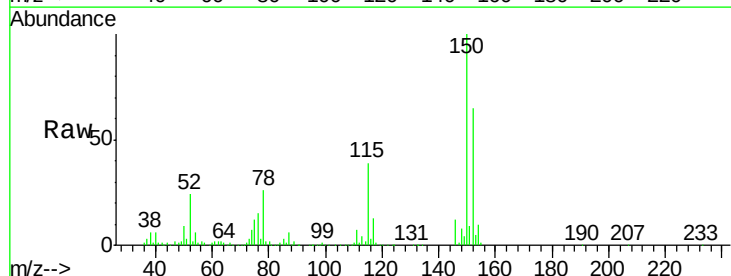
Tgt Ion:152 Resp: 237312

Ion Ratio Lower Upper

152 100

115 60.2 27.8 83.3

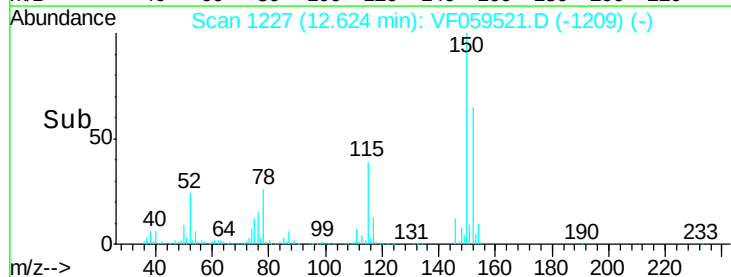
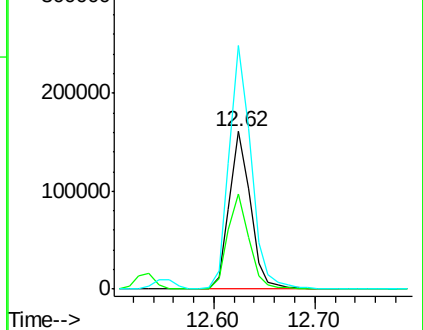
150 154.9 0.0 318.4

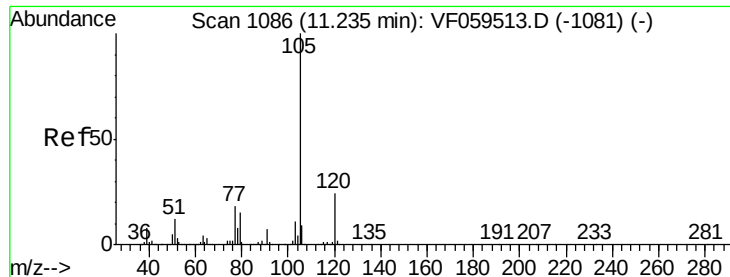


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.695 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

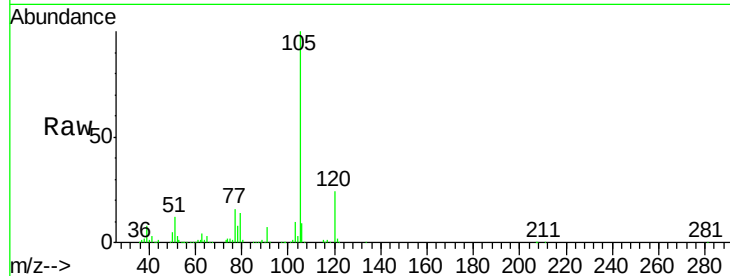
ClientSampled :

Tot Ion:105 Resp: 324884

Ion Ratio Lower Upper

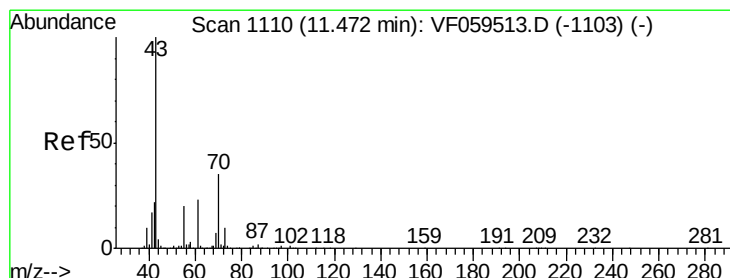
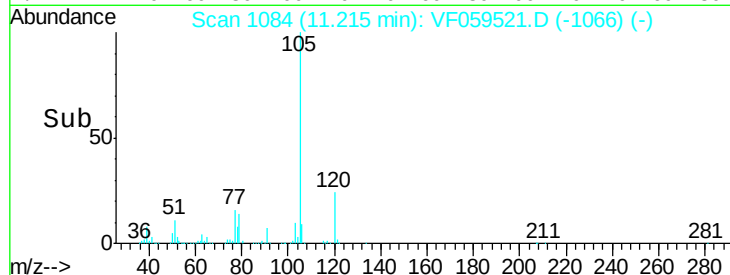
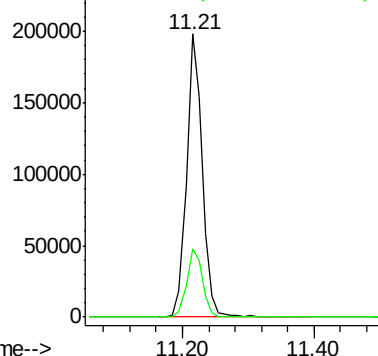
105 100

120 24.2 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.130 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Tgt Ion: 43 Resp: 91748

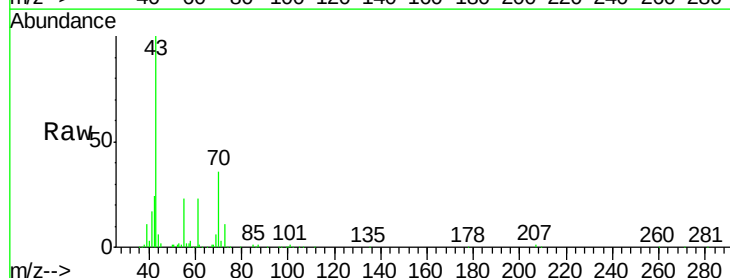
Ion Ratio Lower Upper

43 100

70 35.8 27.9 41.9

55 22.9 16.2 24.2

61 23.1 18.6 27.8

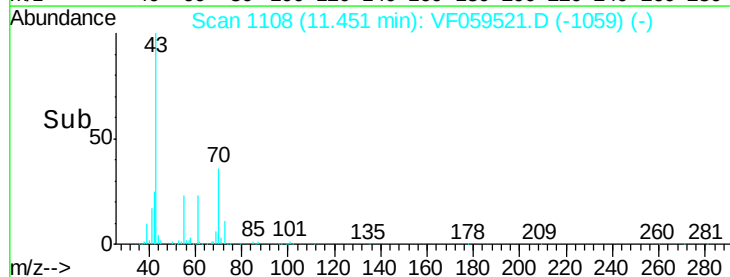
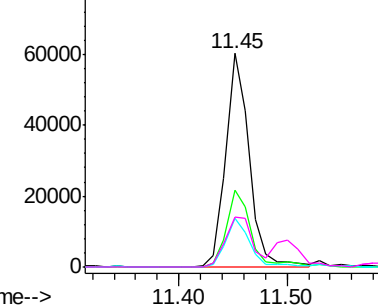


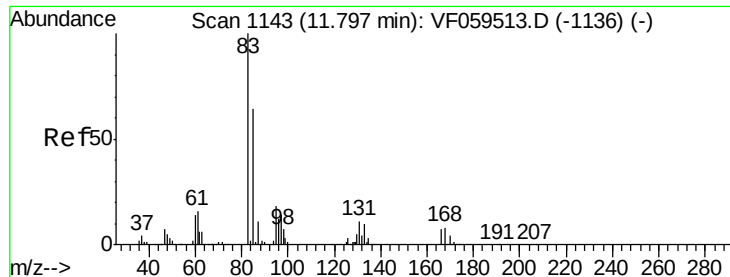
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.761 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

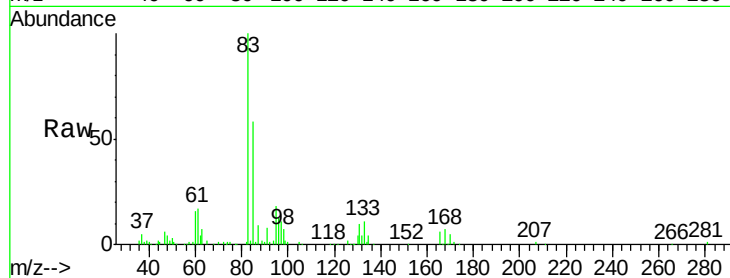
Tot Ion: 83 Resp: 67807

Ion Ratio Lower Upper

83 100

131 10.1 5.7 17.1

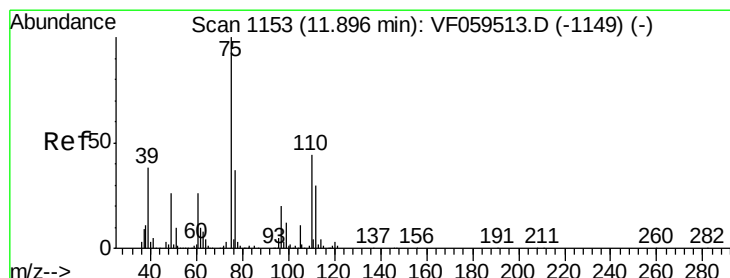
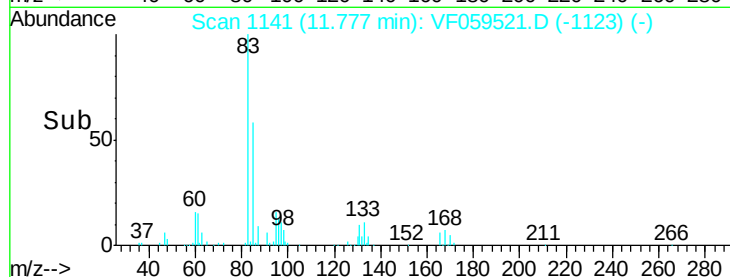
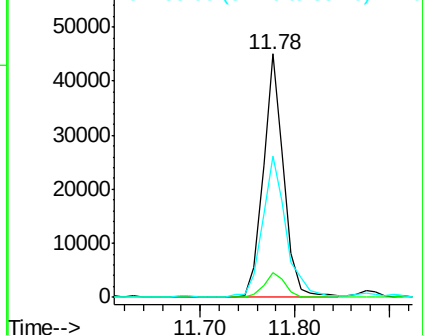
85 57.8 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.661 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF059521.D

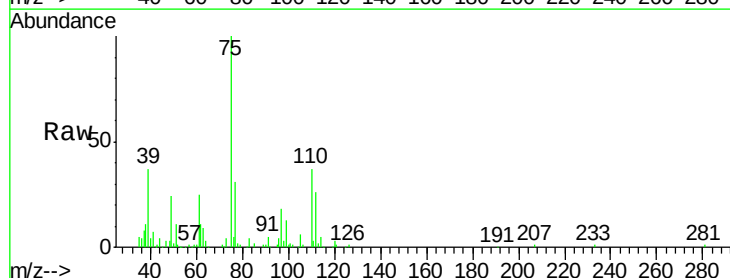
Acq: 18 Jul 2018 19:26

Tgt Ion: 75 Resp: 55105

Ion Ratio Lower Upper

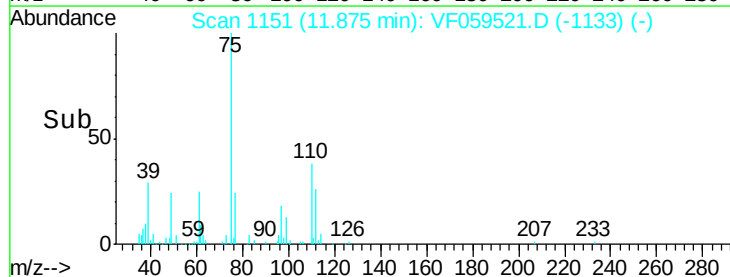
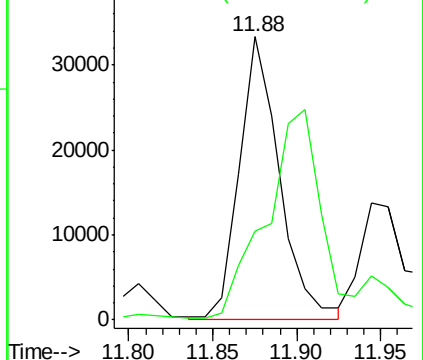
75 100

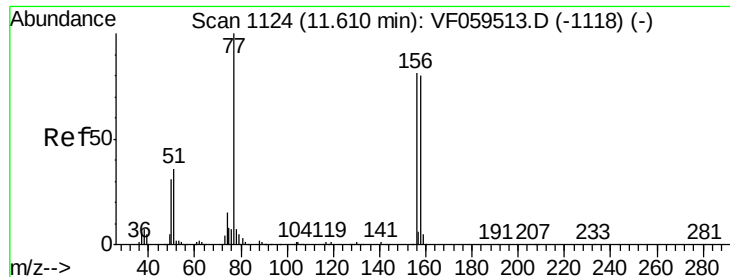
77 31.3 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.413 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

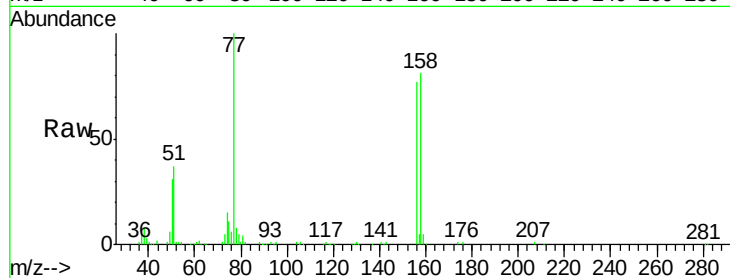
Tot Ion:156 Resp: 85682

Ion Ratio Lower Upper

156 100

77 129.3 62.0 186.0

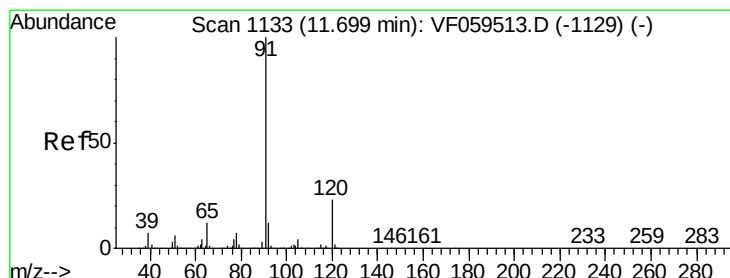
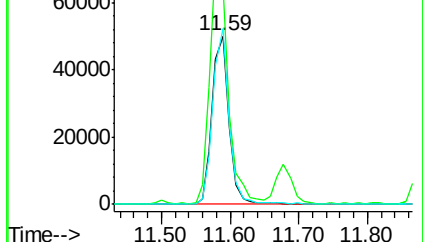
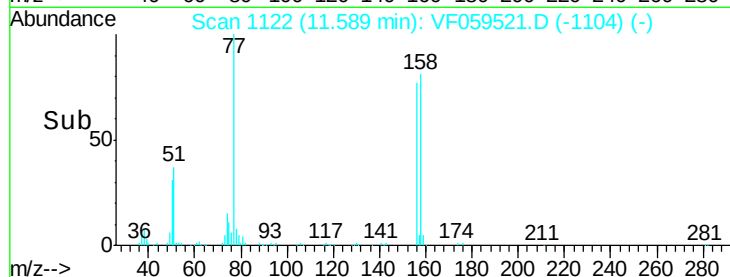
158 104.6 49.8 149.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.287 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF059521.D

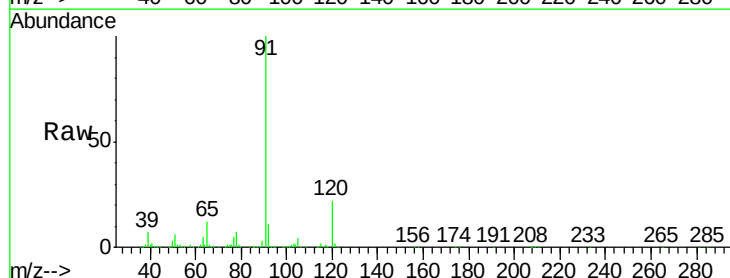
Acq: 18 Jul 2018 19:26

Tgt Ion: 91 Resp: 382828

Ion Ratio Lower Upper

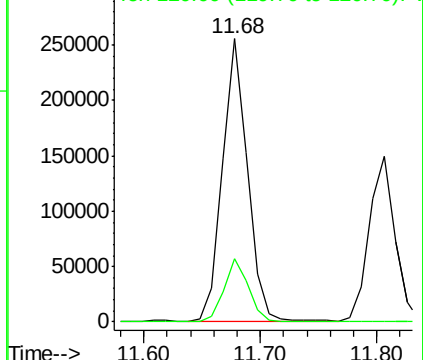
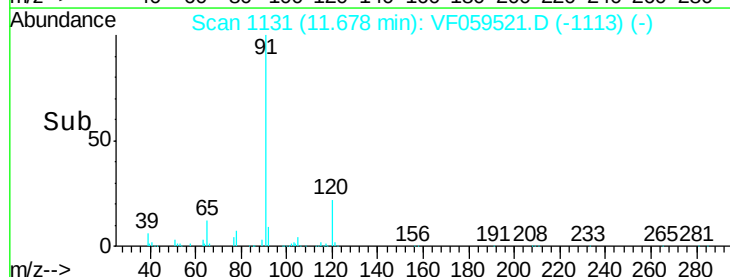
91 100

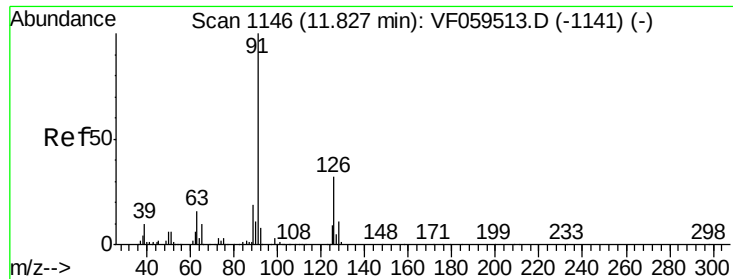
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.782 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

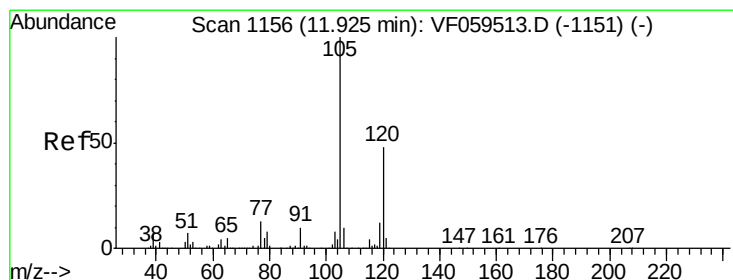
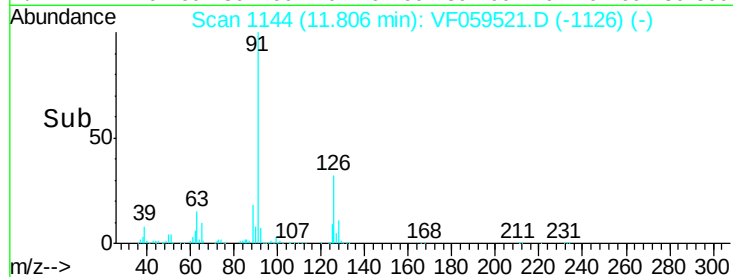
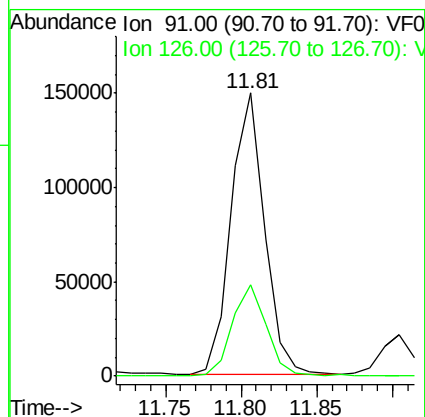
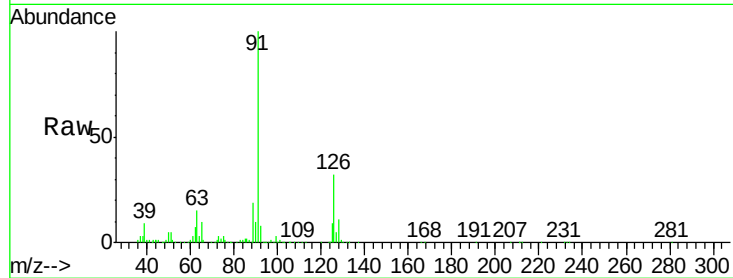
ClientSampleId :

Tot Ion: 91 Resp: 230463

Ion Ratio Lower Upper

91 100

126 32.5 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 22.631 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059521.D

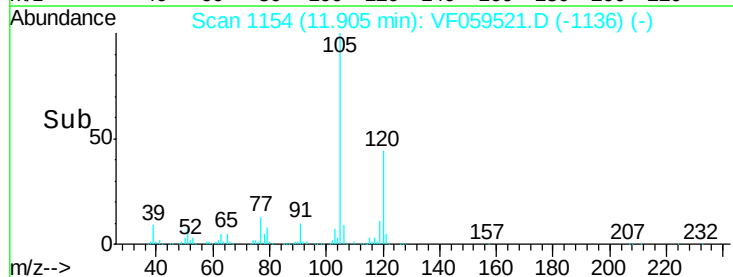
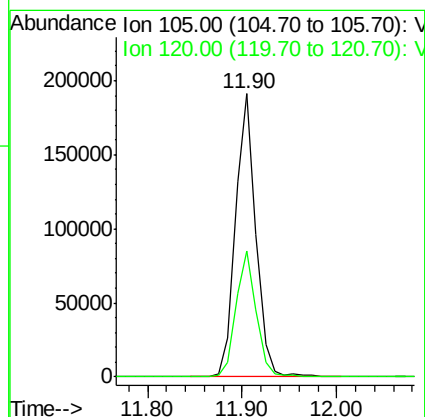
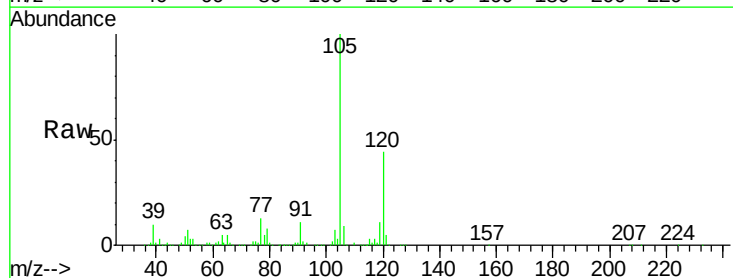
Acq: 18 Jul 2018 19:26

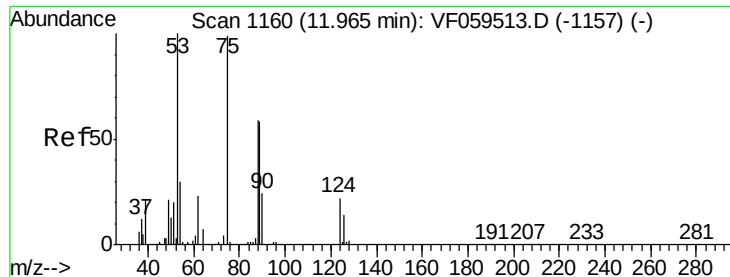
Tgt Ion: 105 Resp: 283966

Ion Ratio Lower Upper

105 100

120 44.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 26.204 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

ClientSampleId :

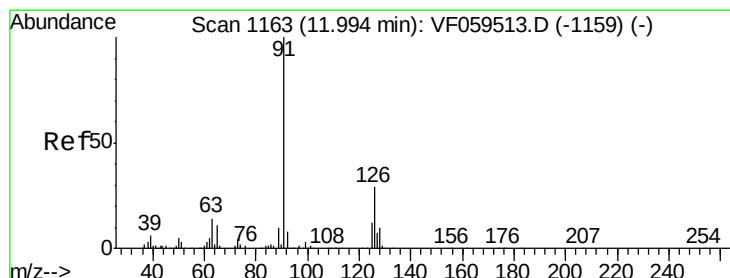
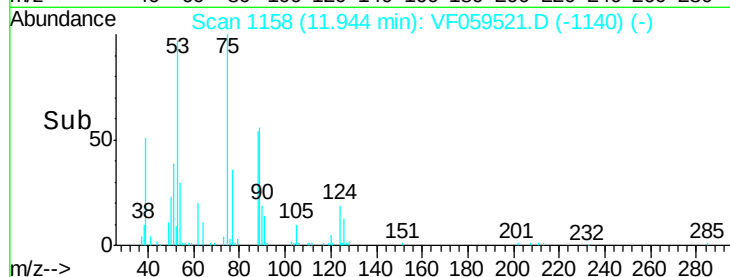
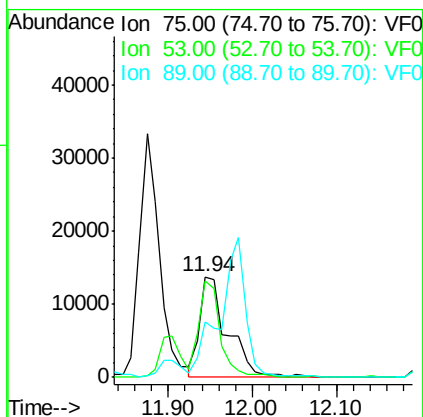
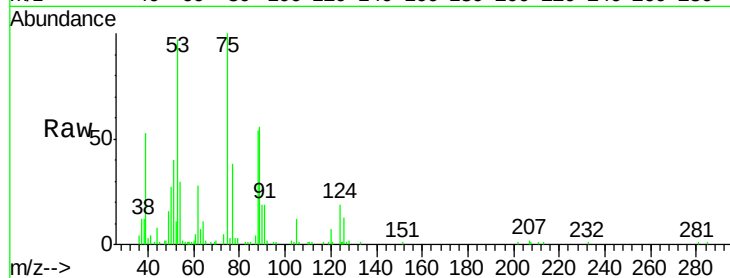
Tot Ion: 75 Resp: 31926

Ion Ratio Lower Upper

75 100

53 96.7 84.6 127.0

89 55.5 48.2 72.4



#82

4-Chlorotoluene

Concen: 20.831 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059521.D

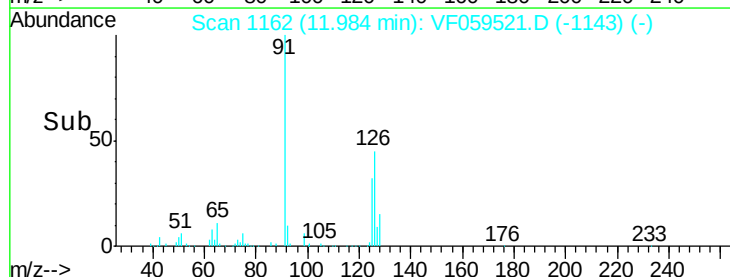
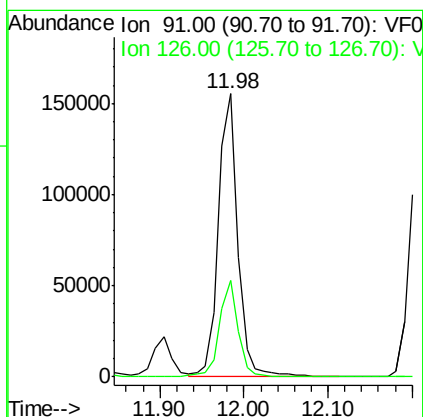
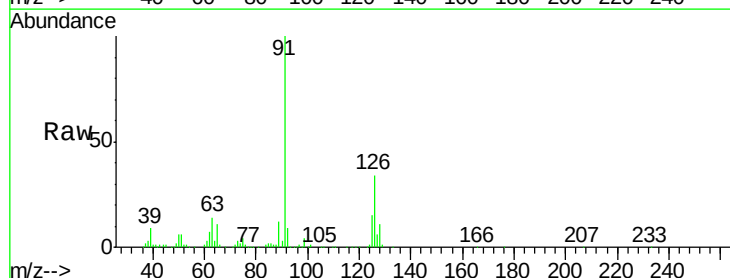
Acq: 18 Jul 2018 19:26

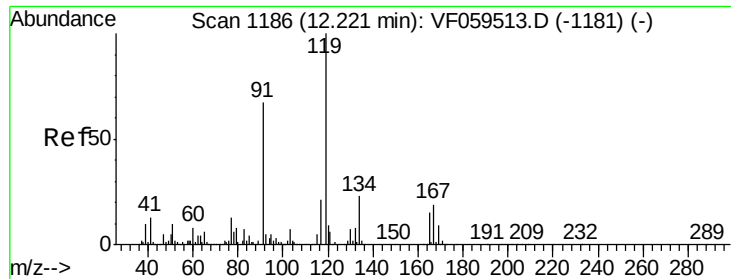
Tgt Ion: 91 Resp: 246960

Ion Ratio Lower Upper

91 100

126 34.3 14.4 43.4

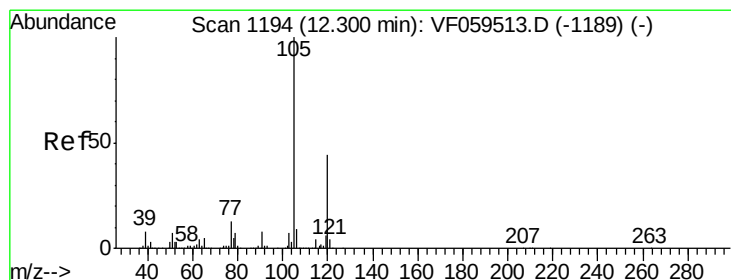
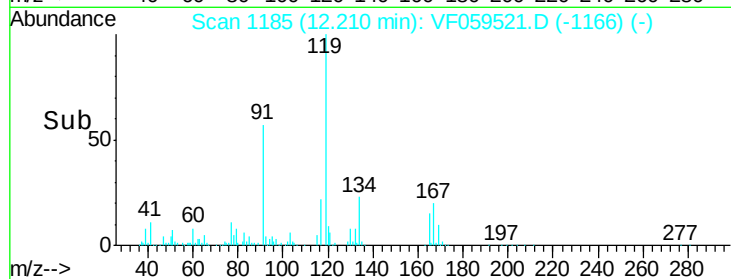
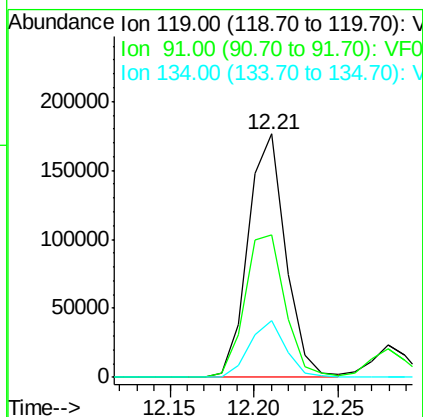
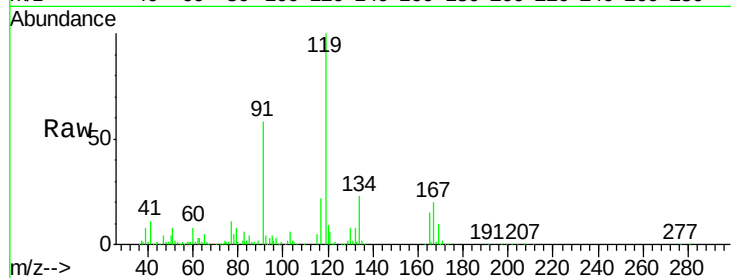




#83
tert-Butylbenzene
Concen: 22.720 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

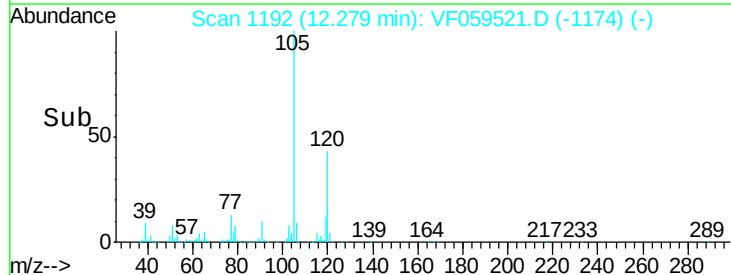
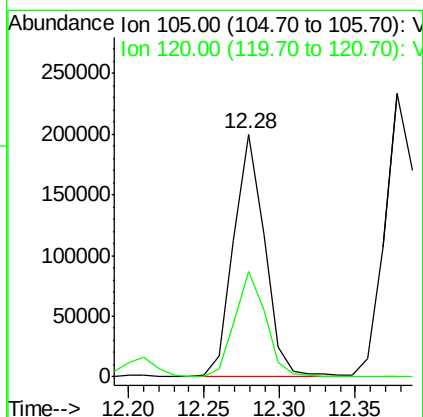
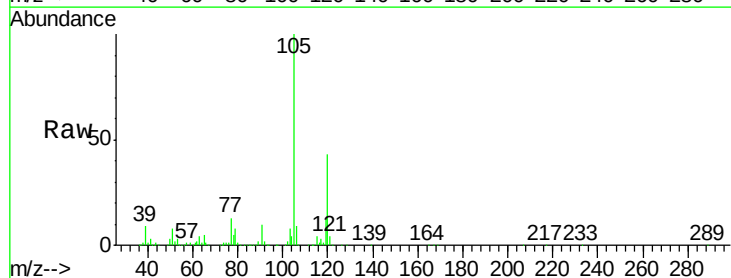
Instrument :
MSVOA_F
ClientSampled :

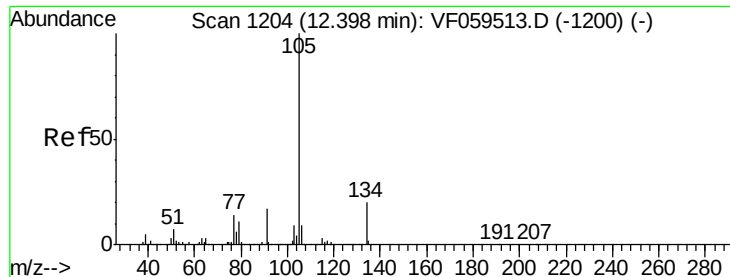
Tot Ion:119 Resp: 273620
Ion Ratio Lower Upper
119 100
91 58.4 33.5 100.5
134 23.1 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 22.110 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion:105 Resp: 285436
Ion Ratio Lower Upper
105 100
120 43.4 22.5 67.5





#85

sec-Butylbenzene

Concen: 22.561 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

Instrument :

MSVOA_F

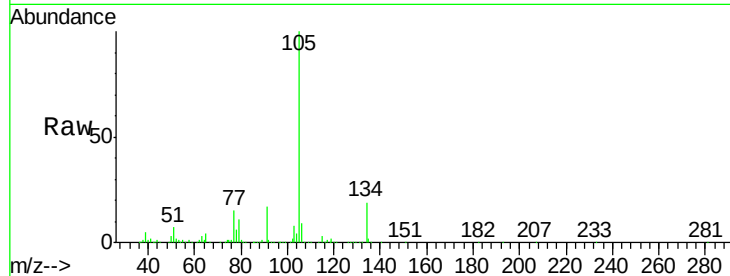
ClientSampleId :

Tot Ion:105 Resp: 345533

Ion Ratio Lower Upper

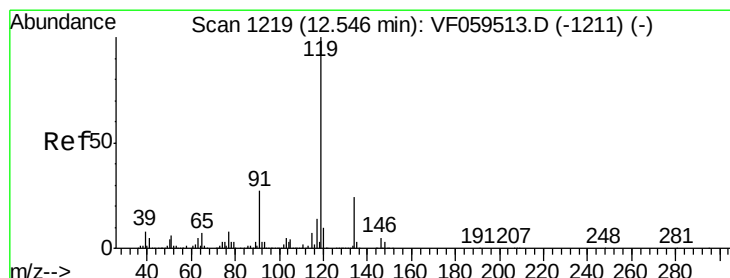
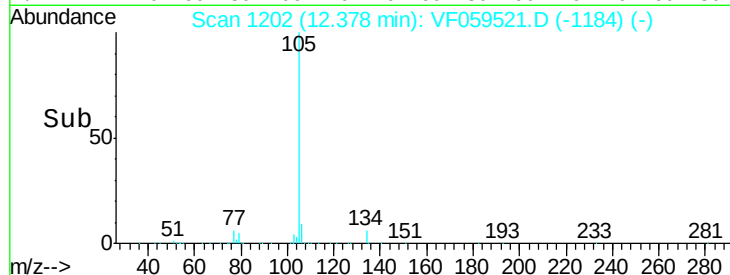
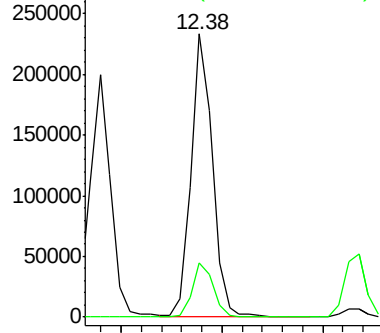
105 100

134 19.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.927 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059521.D

Acq: 18 Jul 2018 19:26

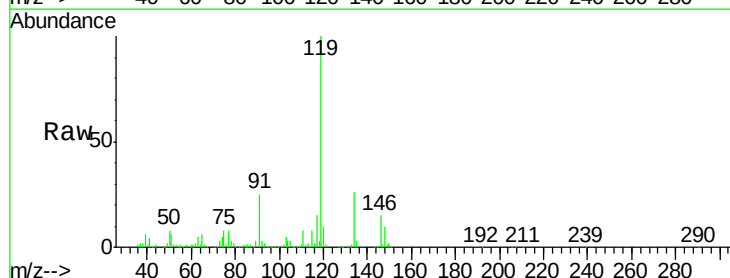
Tgt Ion:119 Resp: 305520

Ion Ratio Lower Upper

119 100

134 25.6 12.0 36.0

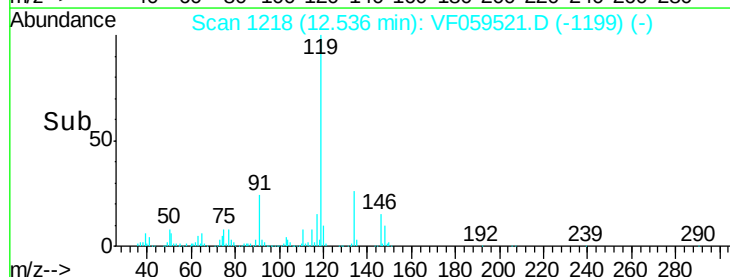
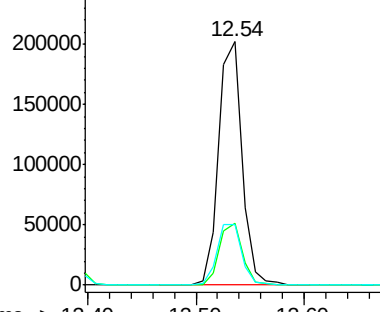
91 24.7 13.5 40.4

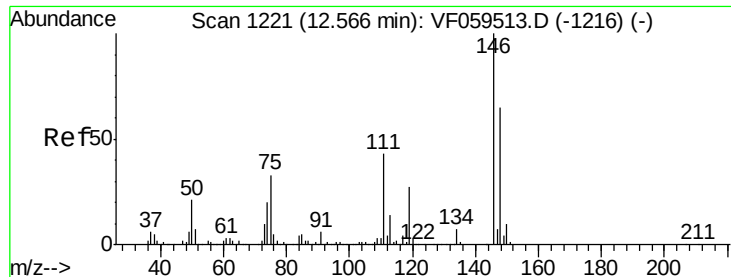


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

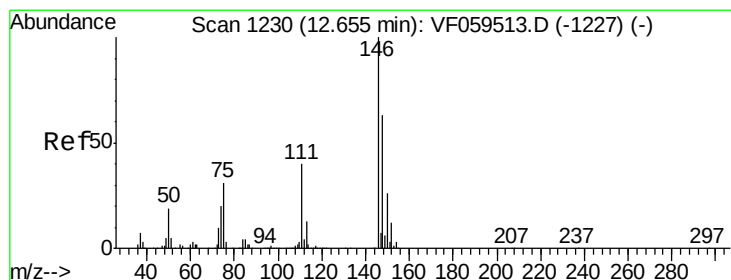
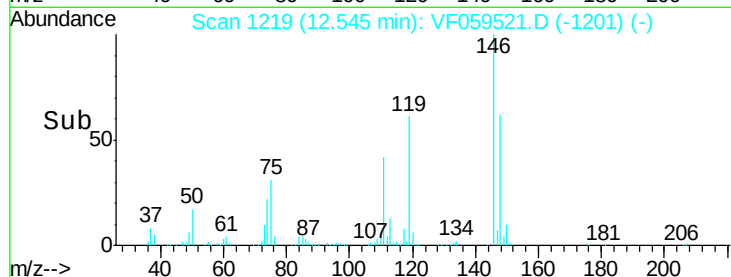
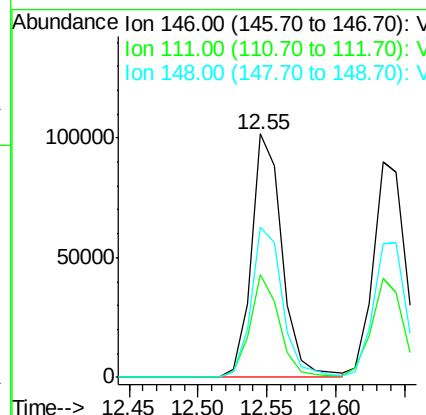
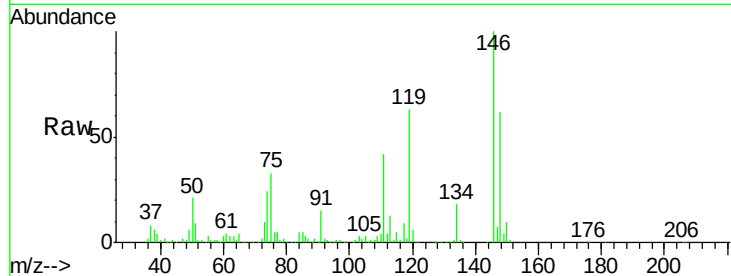




#87
 1,3-Dichlorobenzene
 Concen: 22.069 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

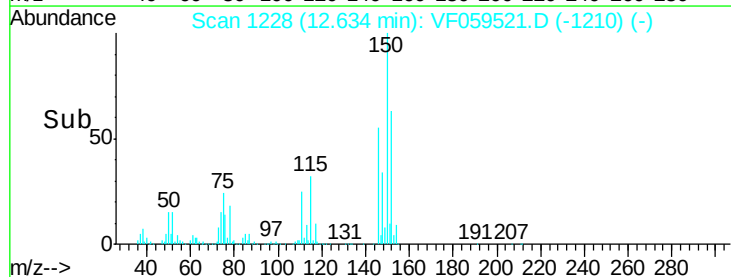
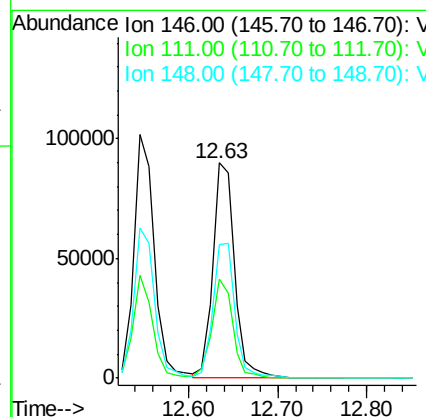
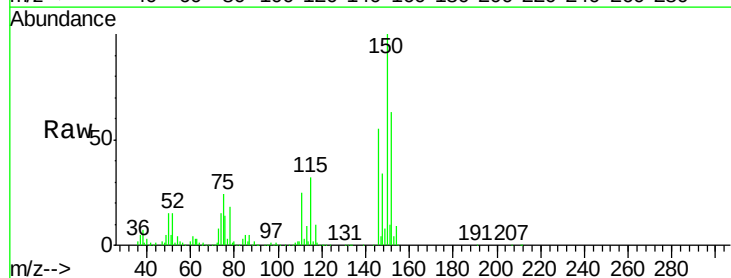
Instrument :
 MSVOA_F
 ClientSampled :

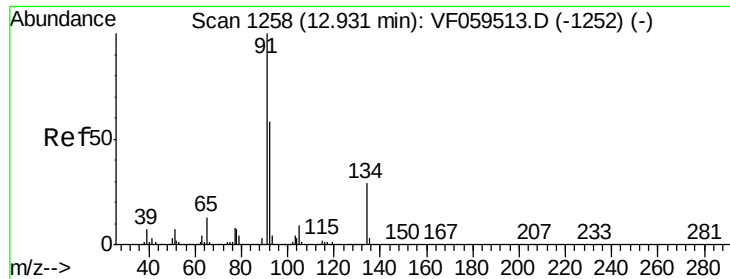
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	61.8	32.7	98.1



#88
 1,4-Dichlorobenzene
 Concen: 21.266 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.0	59.9
148	62.0	31.5	94.5

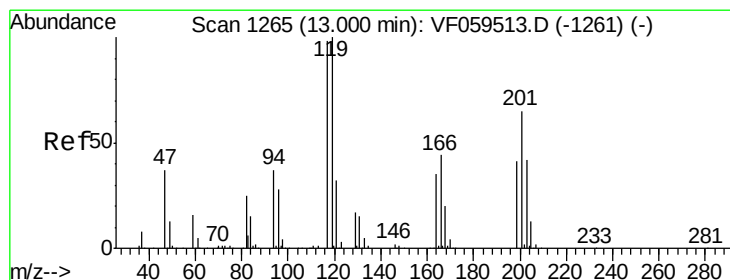
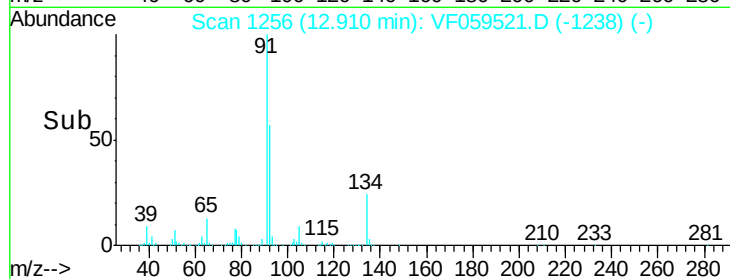
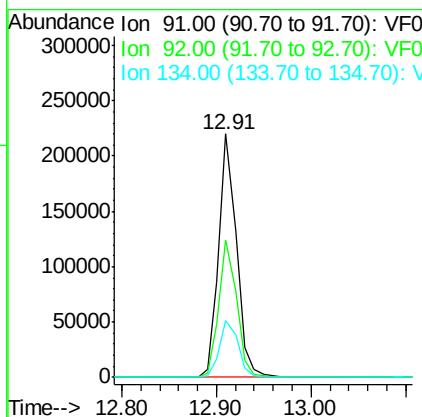
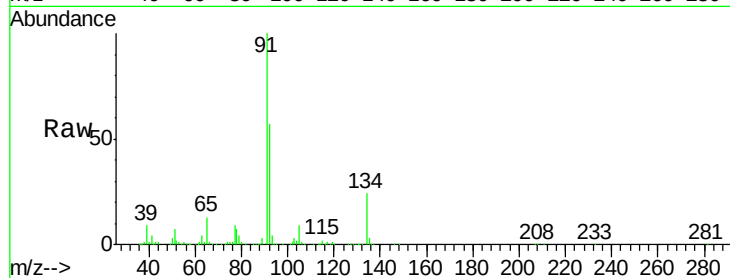




#89
n-Butylbenzene
Concen: 23.137 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

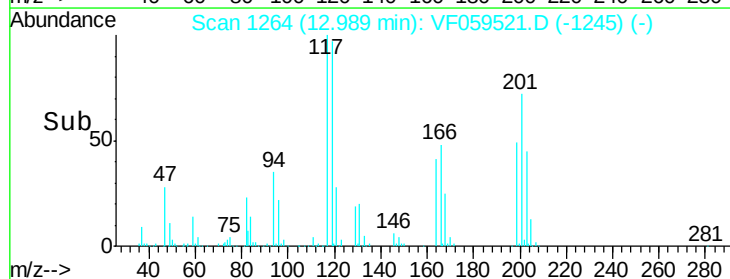
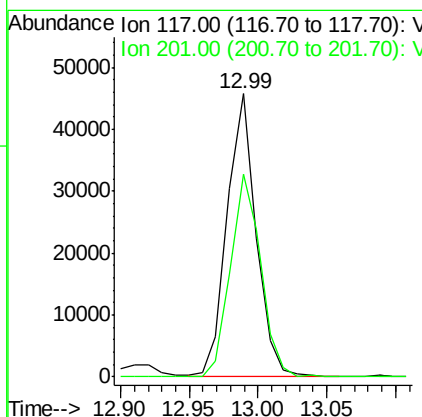
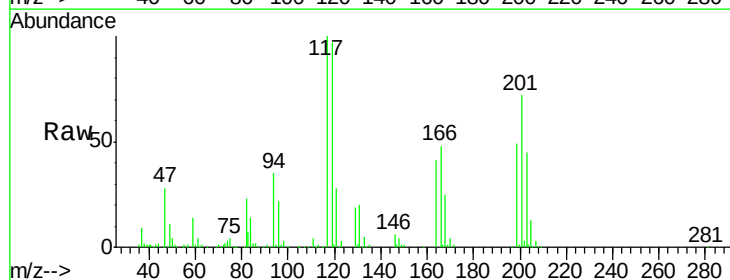
Instrument :
MSVOA_F
ClientSampled :

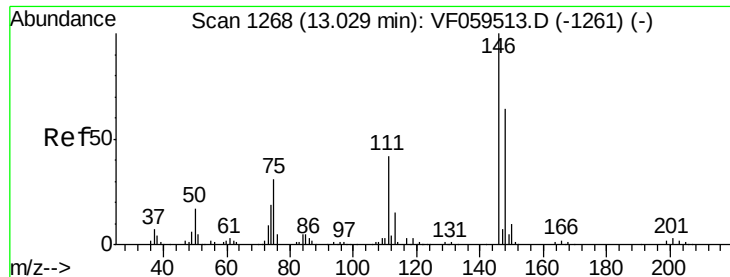
Tot Ion: 91 Resp: 288542
Ion Ratio Lower Upper
91 100
92 56.5 29.1 87.3
134 23.5 14.3 42.9



#90
Hexachloroethane
Concen: 22.197 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion: 117 Resp: 67189
Ion Ratio Lower Upper
117 100
201 71.8 32.6 98.0

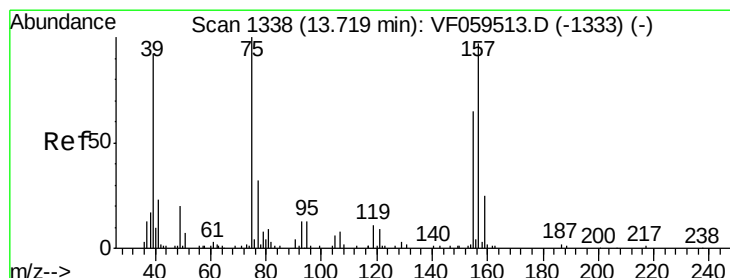
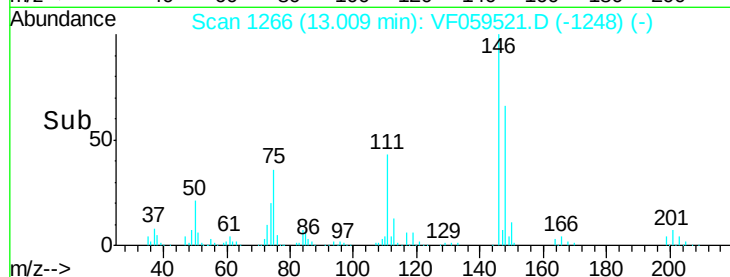
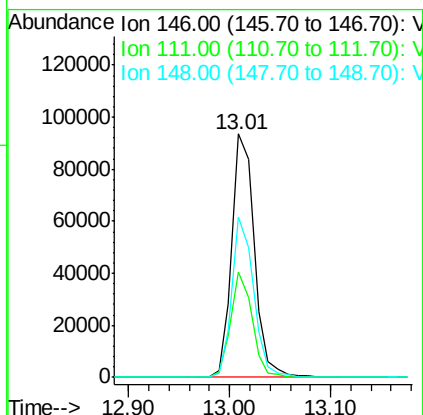
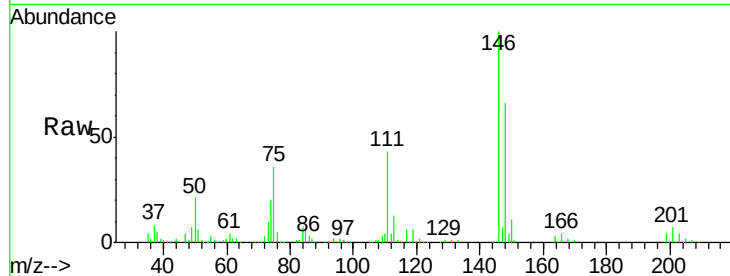




#91
 1,2-Dichlorobenzene
 Concen: 21.157 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

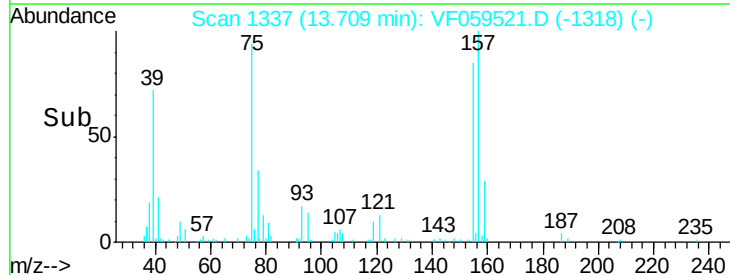
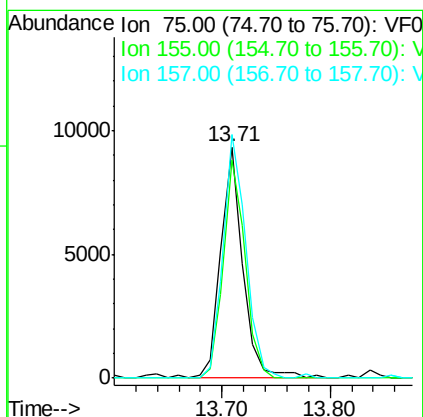
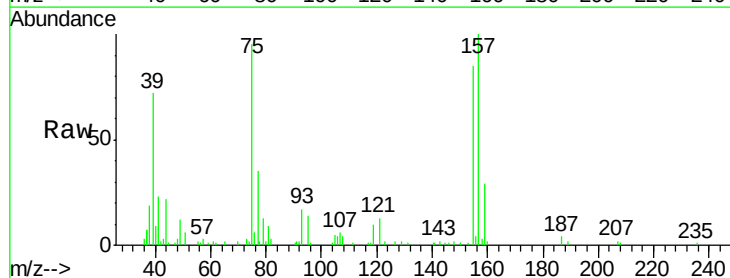
Instrument :
 MSVOA_F
 ClientSampleId :

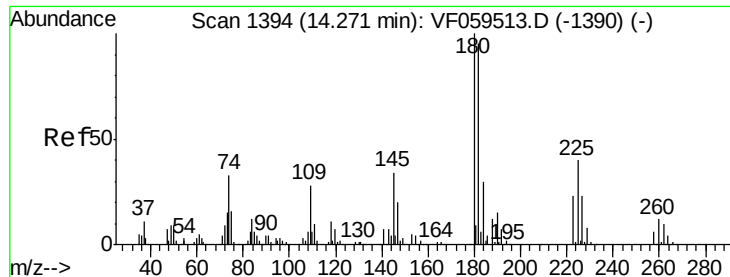
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.1
148	65.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.982 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	32.8	98.3
157	105.3	48.5	145.5

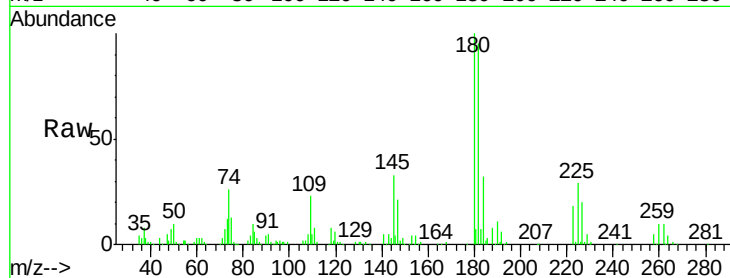




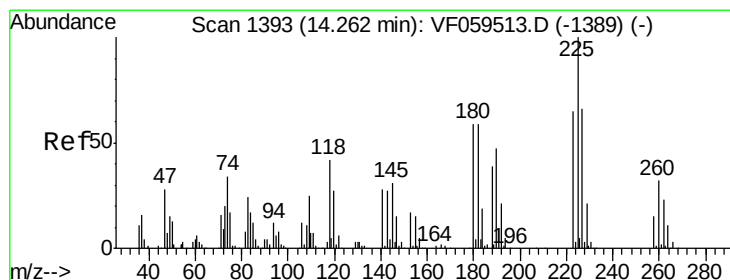
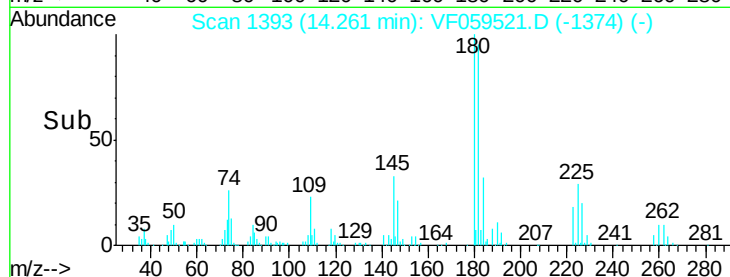
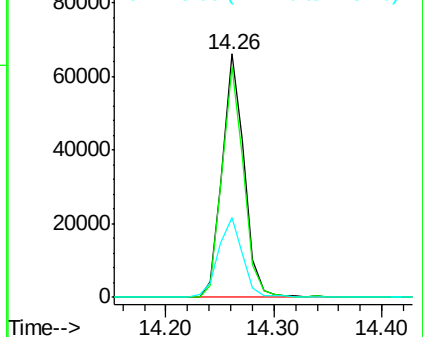
#93
 1,2,4-Trichlorobenzene
 Concen: 22.325 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 93426
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.5 142.5
 145 32.6 17.3 51.7

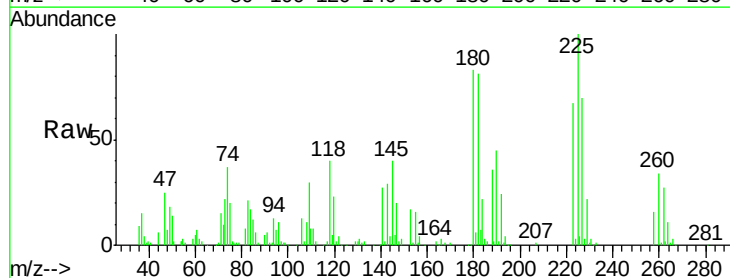


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

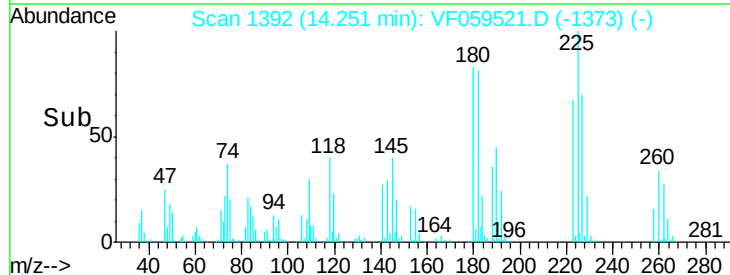
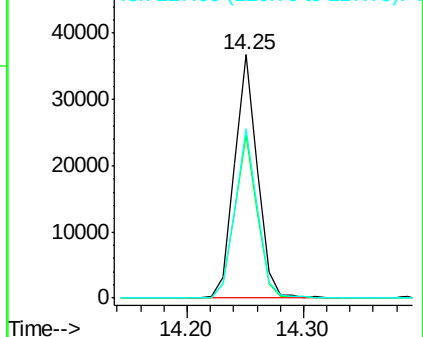


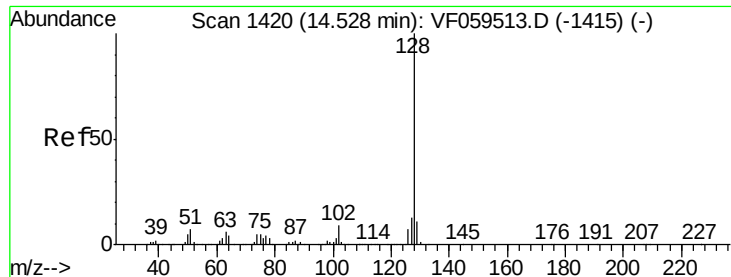
#94
 Hexachlorobutadiene
 Concen: 23.428 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059521.D
 Acq: 18 Jul 2018 19:26

Tgt Ion:225 Resp: 50223
 Ion Ratio Lower Upper
 225 100
 223 67.1 32.3 96.8
 227 69.6 33.2 99.6



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

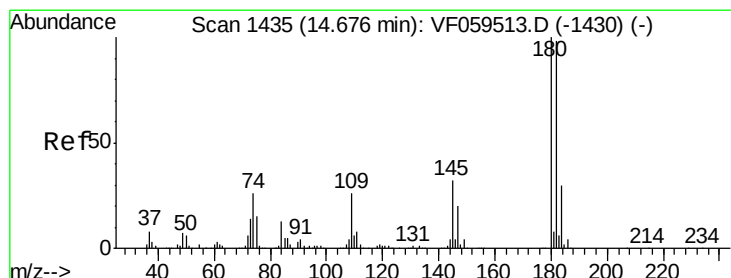
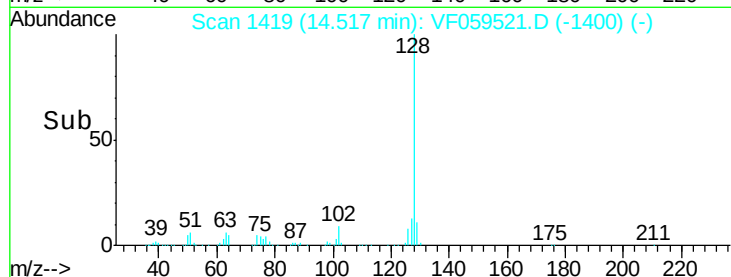
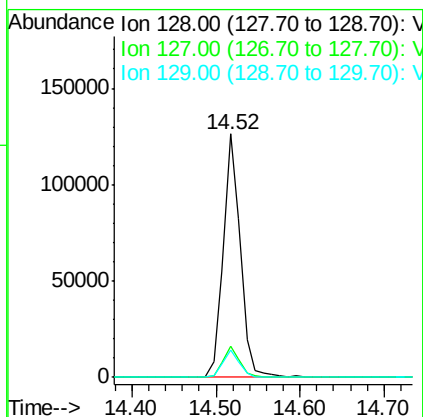
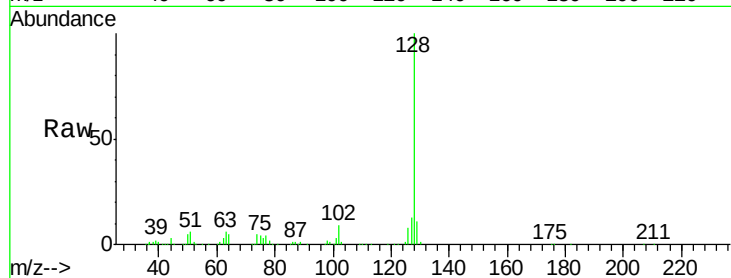




#95
Naphthalene
Concen: 20.505 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 178255
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 21.180 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059521.D
Acq: 18 Jul 2018 19:26

Tgt Ion:180 Resp: 80083
Ion Ratio Lower Upper
180 100
182 91.1 48.8 146.4
145 31.1 16.2 48.6

