

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059376.D
 Acq On : 29 Jun 2018 14:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 29 23:38:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	294980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	446171	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	445802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	265035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	162699	42.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.38%	
35) Dibromofluoromethane	4.27	113	149428	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
50) Toluene-d8	7.70	98	370470	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.50	95	204257	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	110514	41.006	ug/l	98
3) Chloromethane	1.08	50	81083	44.783	ug/l	97
4) Vinyl Chloride	1.14	62	85264	47.842	ug/l	96
5) Bromomethane	1.33	94	60885	61.442	ug/l	99
6) Chloroethane	1.43	64	45815	51.040	ug/l #	85
7) Trichlorofluoromethane	1.49	101	53897	15.293	ug/l	90
8) Diethyl Ether	1.69	74	42426	46.951	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	98156	47.715	ug/l	98
10) Methyl Iodide	1.95	142	176032	46.926	ug/l	97
11) Tert butyl alcohol	2.67	59	58139	229.148	ug/l	98
12) 1,1-Dichloroethene	1.85	96	85921	49.406	ug/l	86
13) Acrolein	2.08	56	47073	400.758	ug/l	100
14) Allyl chloride	2.18	41	166512	51.006	ug/l	91
15) Acrylonitrile	3.06	53	119739	267.996	ug/l	91
16) Acetone	2.32	43	275061	290.645	ug/l	99
17) Carbon Disulfide	1.86	76	185954	45.456	ug/l	98
18) Methyl Acetate	2.44	43	94459	55.030	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	319563	49.264	ug/l	97
20) Methylene Chloride	2.26	84	46203	16.696	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	90532	48.800	ug/l	96
22) Diisopropyl ether	2.91	45	370784	51.290	ug/l	94
23) Vinyl Acetate	3.32	43	1156224	251.138	ug/l	99
24) 1,1-Dichloroethane	2.98	63	214088	47.765	ug/l	99
25) 2-Butanone	4.49	43	326202	283.307	ug/l	97
26) 2,2-Dichloropropane	3.75	77	148751	48.117	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	138594	49.206	ug/l	85
28) Bromochloromethane	3.87	49	84216	48.827	ug/l	91
29) Tetrahydrofuran	4.24	42	142880	293.006	ug/l	99
30) Chloroform	4.02	83	302440	46.610	ug/l	95
31) Cyclohexane	3.85	56	139595	47.542	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	220488	46.435	ug/l	95
36) 1,1-Dichloropropene	4.44	75	180702	46.362	ug/l	98
37) Ethyl Acetate	4.27	43	146067	58.845	ug/l	97
38) Carbon Tetrachloride	4.16	117	245688	49.949	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	160113	46.357	ug/l	97
40) Benzene	4.80	78	423660	49.024	ug/l	99
41) Methacrylonitrile	4.91	41	66711	50.176	ug/l	95
42) 1,2-Dichloroethane	5.10	62	239949	47.517	ug/l	99
43) Isopropyl Acetate	7.09	43	175541	54.070	ug/l #	95
44) Trichloroethene	5.66	130	136419	46.017	ug/l	98
45) 1,2-Dichloropropane	6.38	63	128162	51.907	ug/l	100
46) Dibromomethane	6.24	93	104696	48.854	ug/l	94
47) Bromodichloromethane	6.53	83	254597	49.078	ug/l	98
48) Methyl methacrylate	6.86	41	120797	55.516	ug/l	93
49) 1,4-Dioxane	6.85	88	12241	1056.787	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	633035	263.192	ug/l	99
52) Toluene	7.76	92	303022	46.860	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	231117	48.877	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	258203	50.271	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	124972	49.775	ug/l	97
56) Ethyl methacrylate	8.75	69	159275	51.210	ug/l	98
57) 1,3-Dichloropropane	8.99	76	213096	49.488	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.76	63	54855	235.161	ug/l	100
59) 2-Hexanone	9.62	43	534855	299.334	ug/l	99
60) Dibromochloromethane	8.85	129	195918	50.544	ug/l	97
61) 1,2-Dibromoethane	9.12	107	147884	48.566	ug/l	91
64) Tetrachloroethene	8.30	164	135190	46.756	ug/l	99
65) Chlorobenzene	9.93	112	399434	48.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	166648	46.643	ug/l	97
67) Ethyl Benzene	10.03	91	674797	48.152	ug/l	100
68) m/p-Xylenes	10.26	106	480290	96.291	ug/l	96
69) o-Xylene	10.82	106	262931	47.128	ug/l	100
70) Styrene	10.89	104	404124	47.552	ug/l	97
71) Bromoform	10.88	173	126472	51.645	ug/l #	98
73) Isopropylbenzene	11.21	105	777158	50.333	ug/l	99
74) N-amyl acetate	11.45	43	297401	53.078	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	195003	50.007	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	147050	49.991	ug/l	93
77) Bromobenzene	11.59	156	204791	47.806	ug/l	84
78) n-propylbenzene	11.68	91	905326	48.823	ug/l	97
79) 2-Chlorotoluene	11.81	91	533311	47.075	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	652311	48.229	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	92354	52.752	ug/l	94
82) 4-Chlorotoluene	11.98	91	589631	48.591	ug/l	96
83) tert-Butylbenzene	12.21	119	659696	48.768	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	685256	48.107	ug/l	100
85) sec-Butylbenzene	12.38	105	850973	47.459	ug/l	99
86) p-Isopropyltoluene	12.54	119	750335	49.863	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	378042	53.801	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	377007	49.280	ug/l	97
89) n-Butylbenzene	12.91	91	729619	47.763	ug/l	99
90) Hexachloroethane	12.99	117	180945	48.246	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	369499	47.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	44540	51.525	ug/l	79

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

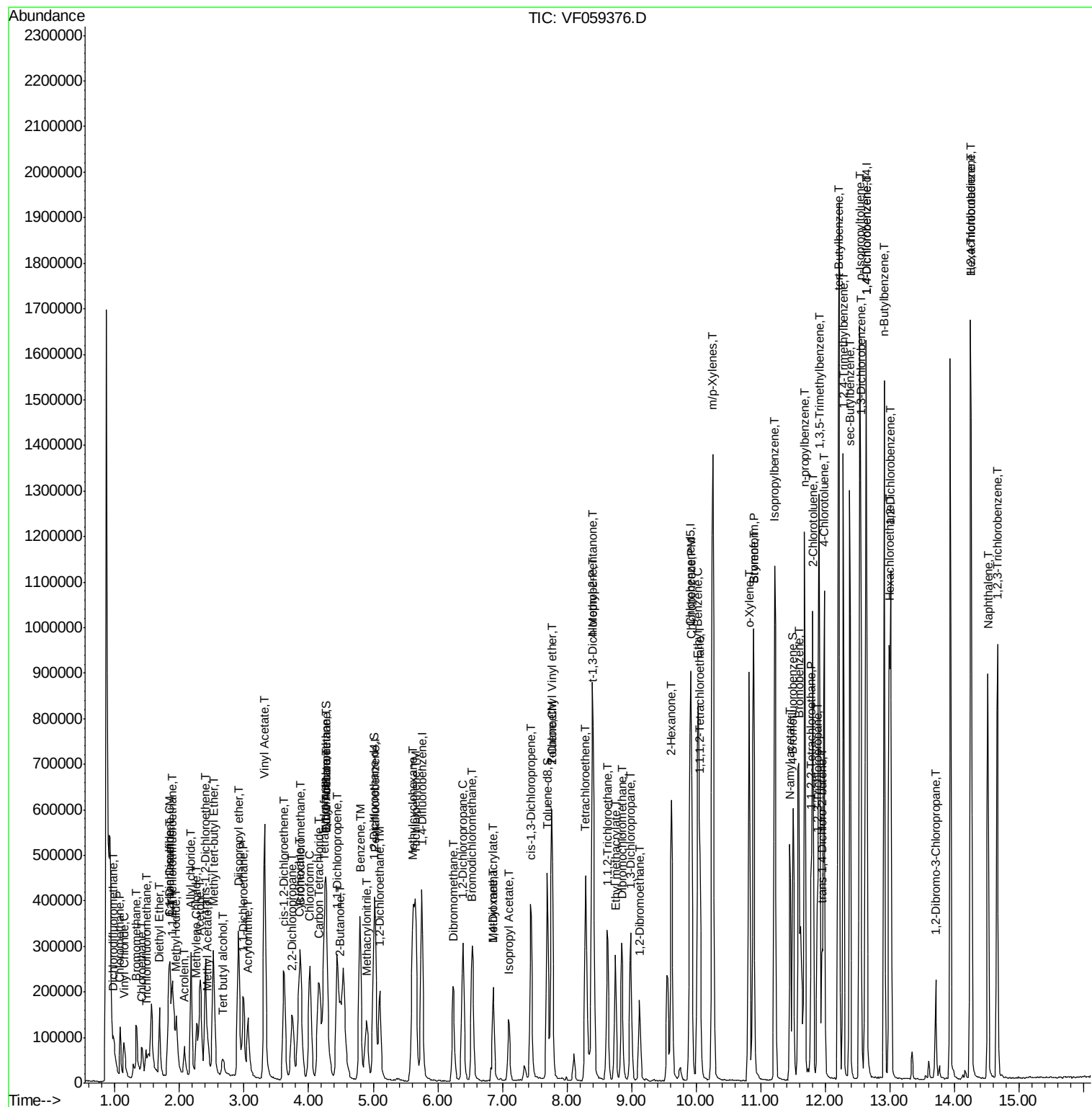
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	290970	50.600	ug/l	98
94) Hexachlorobutadiene	14.25	225	170227	52.998	ug/l	98
95) Naphthalene	14.52	128	628006	52.198	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	278021	51.037	ug/l	97

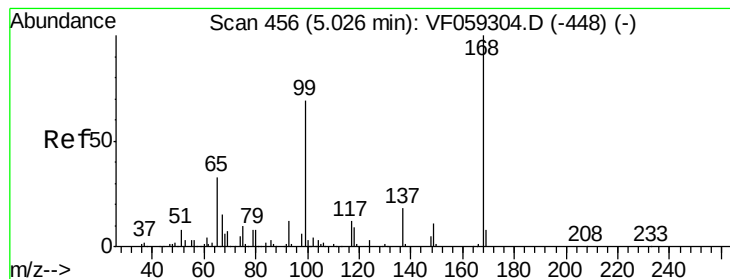
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

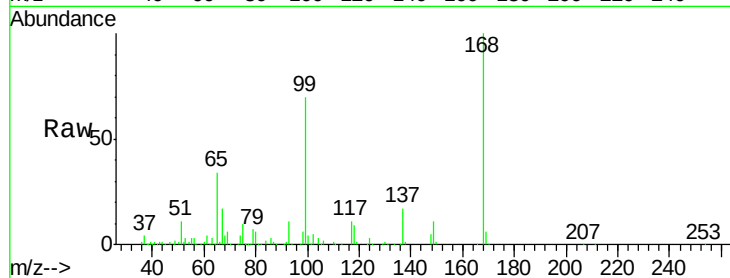
ClientSampleId :

Tot Ion:168 Resp: 294980

Ion Ratio Lower Upper

168 100

99 69.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

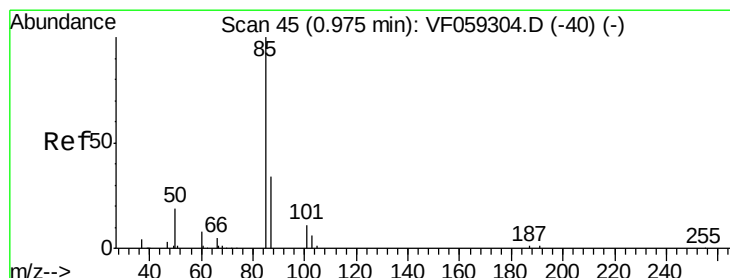
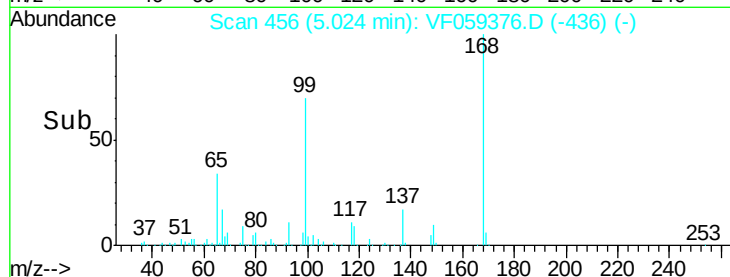
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.006 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059376.D

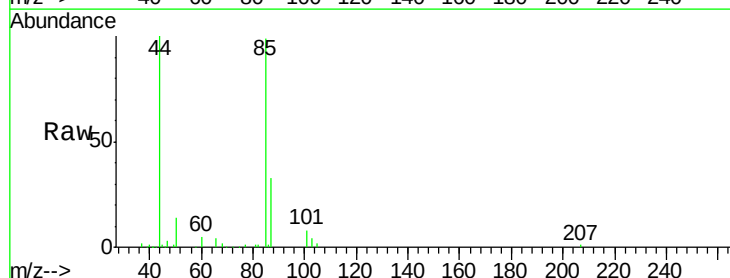
Acq: 29 Jun 2018 14:13

Tgt Ion: 85 Resp: 110514

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

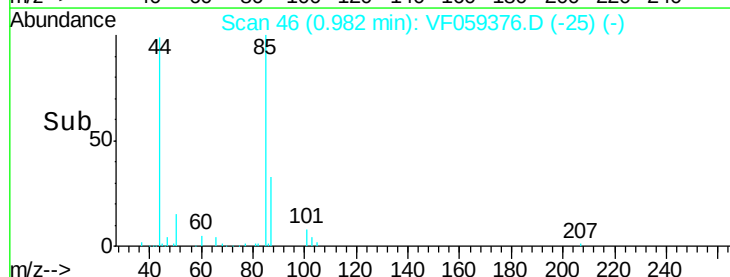
30000

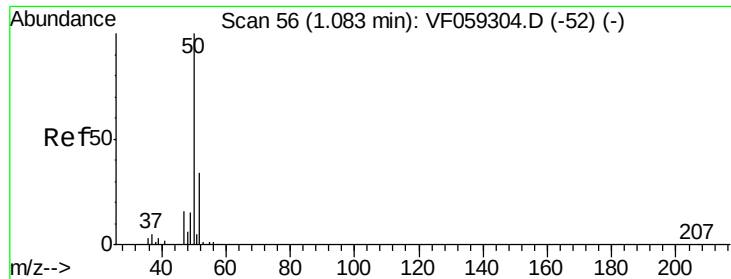
20000

10000

0

Time-->





#3

Chloromethane

Concen: 44.783 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

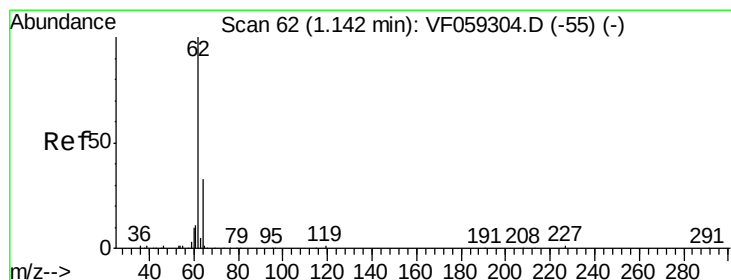
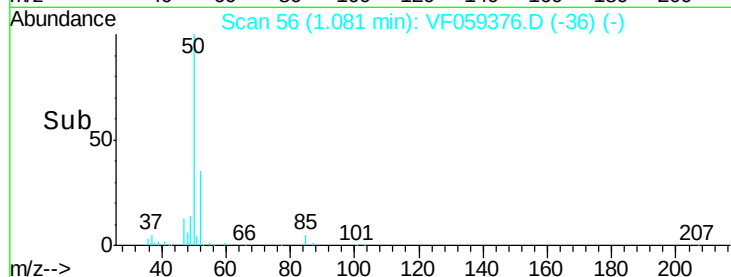
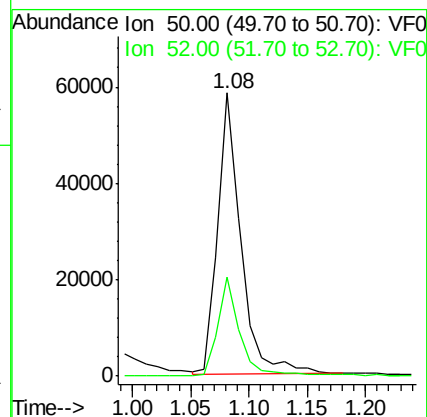
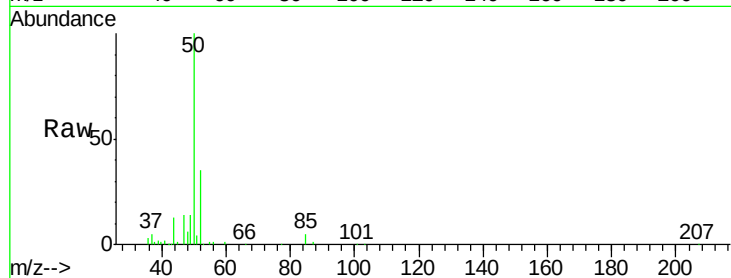
ClientSampleId :

Tot Ion: 50 Resp: 81083

Ion Ratio Lower Upper

50 100

52 35.0 26.7 40.1



#4

Vinyl Chloride

Concen: 47.842 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059376.D

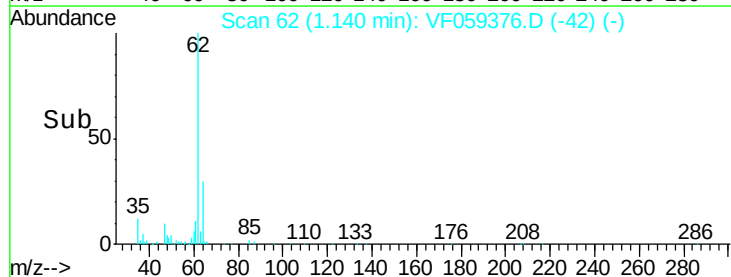
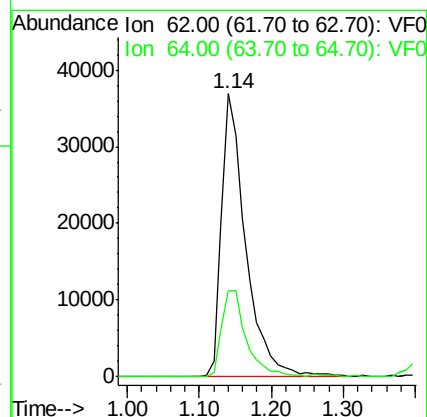
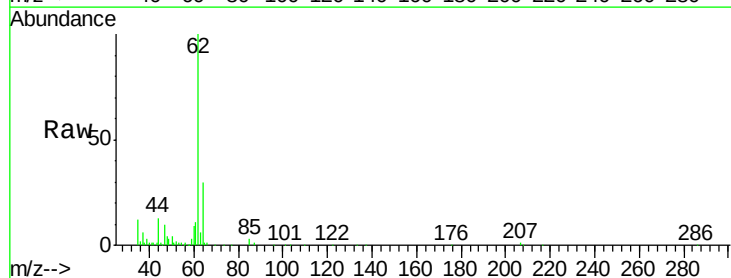
Acq: 29 Jun 2018 14:13

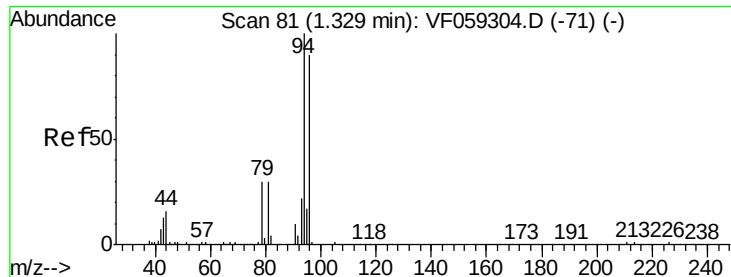
Tgt Ion: 62 Resp: 85264

Ion Ratio Lower Upper

62 100

64 30.4 26.3 39.5





#5

Bromomethane

Concen: 61.442 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

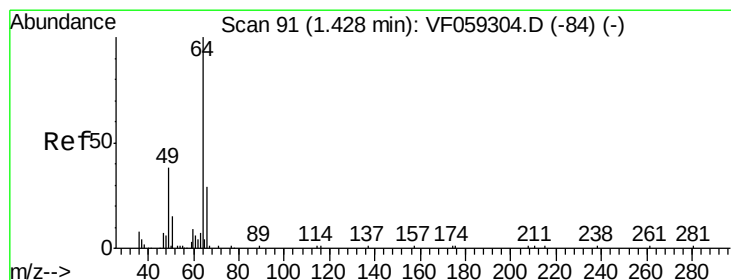
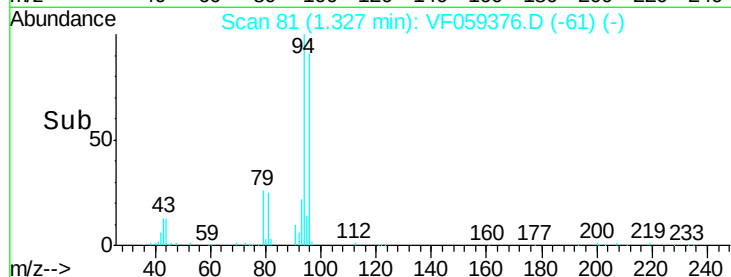
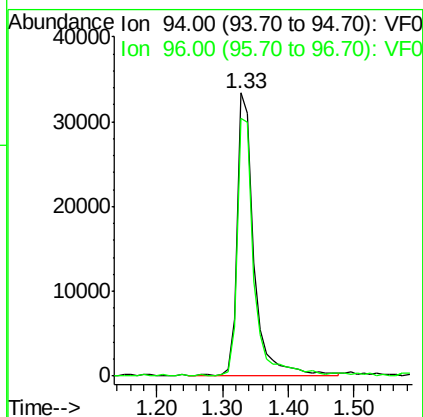
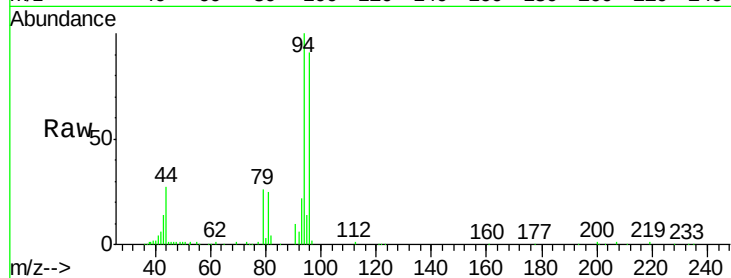
ClientSampleId :

Tot Ion: 94 Resp: 60885

Ion Ratio Lower Upper

94 100

96 91.0 73.4 110.0



#6

Chloroethane

Concen: 51.040 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059376.D

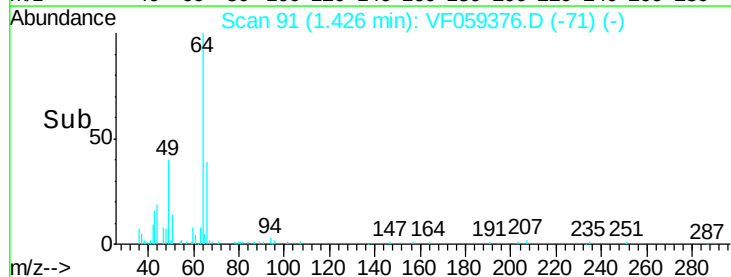
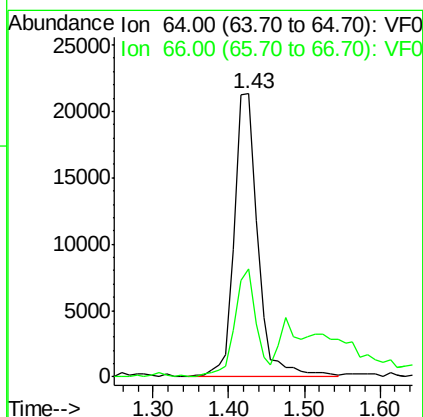
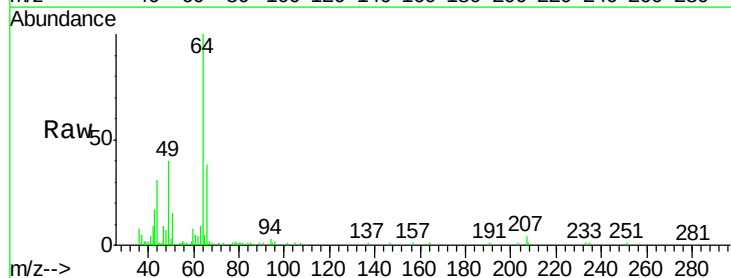
Acq: 29 Jun 2018 14:13

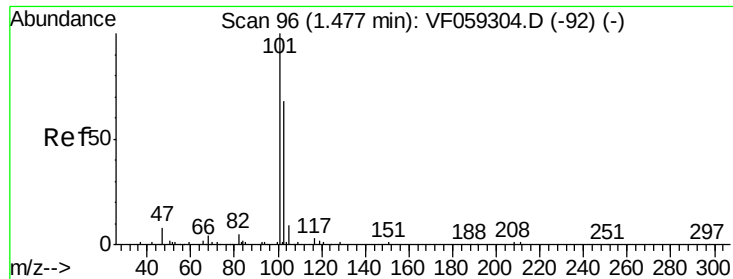
Tgt Ion: 64 Resp: 45815

Ion Ratio Lower Upper

64 100

66 38.0 23.9 35.9#





#7

Trichlorofluoromethane

Concen: 15.293 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

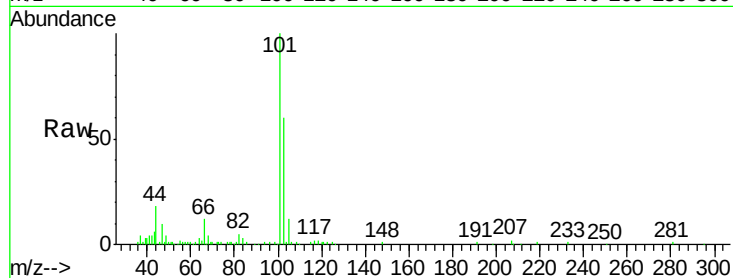
ClientSampleId :

Tot Ion:101 Resp: 53897

Ion Ratio Lower Upper

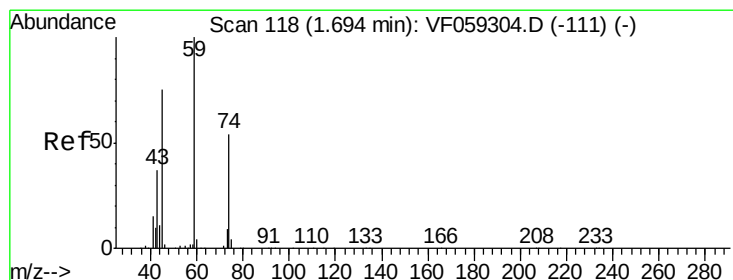
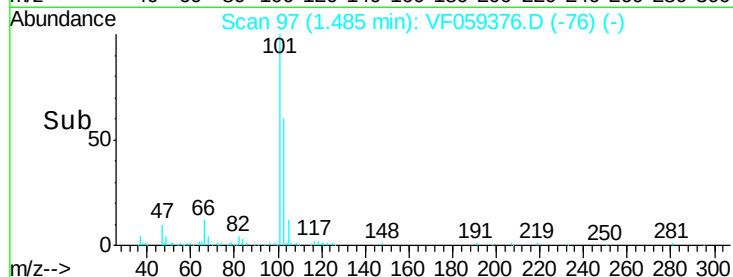
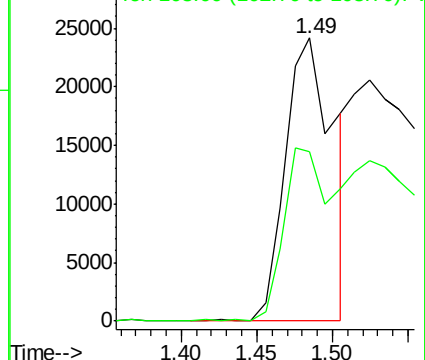
101 100

103 59.6 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.951 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059376.D

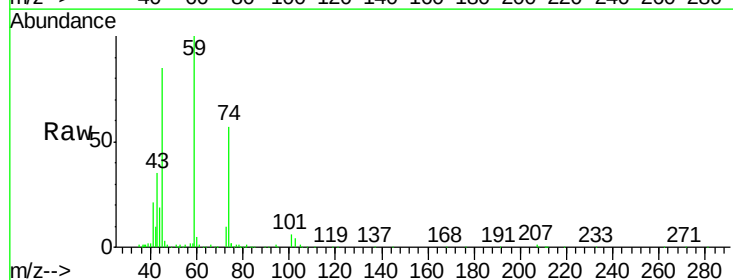
Acq: 29 Jun 2018 14:13

Tgt Ion: 74 Resp: 42426

Ion Ratio Lower Upper

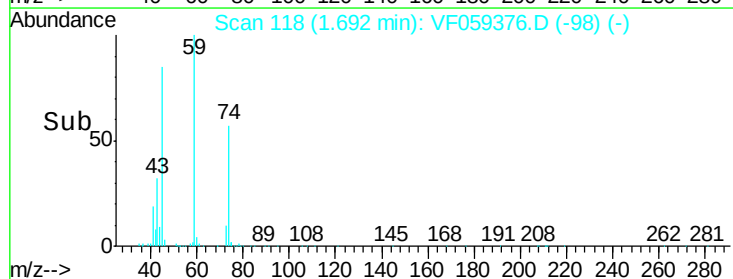
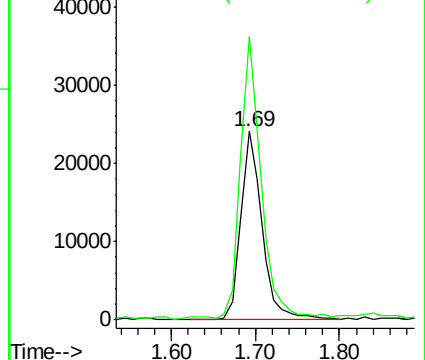
74 100

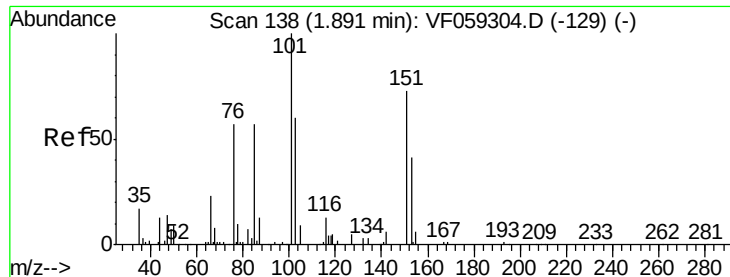
45 150.1 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.715 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

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ClientSampleId :

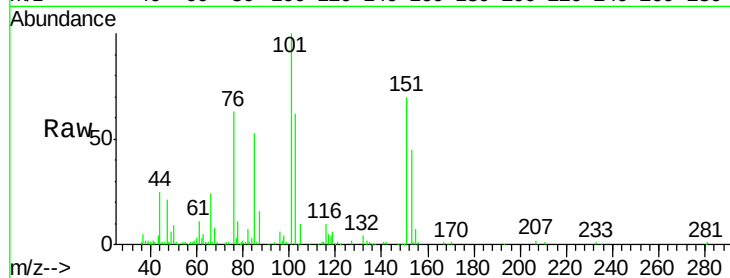
Tot Ion:101 Resp: 98156

Ion Ratio Lower Upper

101 100

85 53.4 44.5 66.7

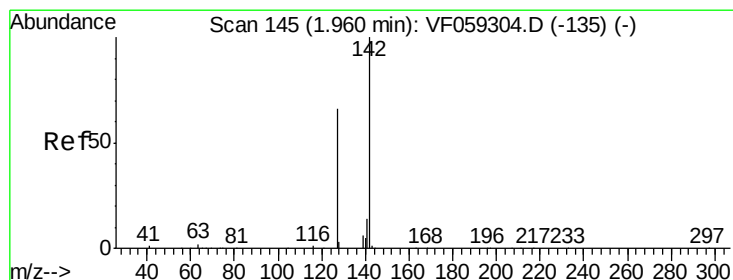
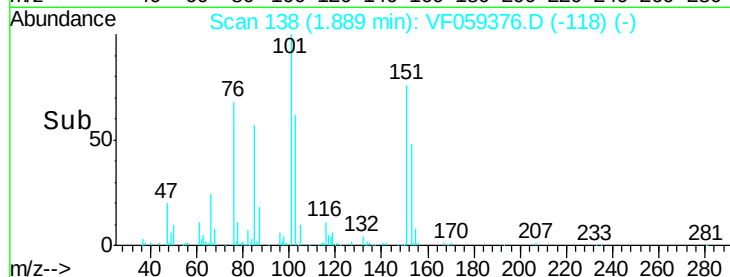
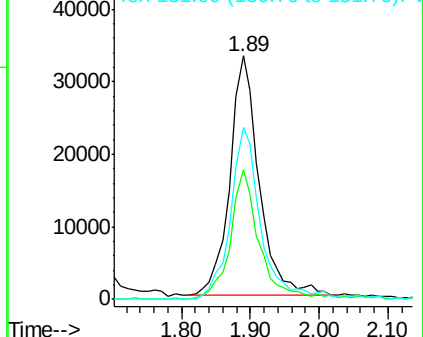
151 70.4 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 46.926 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

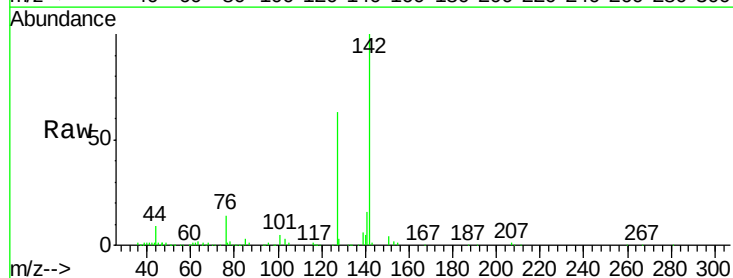
Tgt Ion:142 Resp: 176032

Ion Ratio Lower Upper

142 100

127 63.1 52.5 78.7

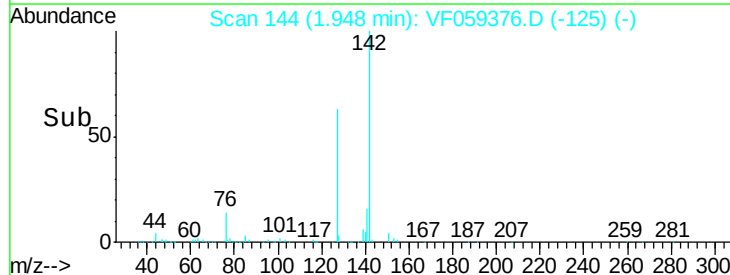
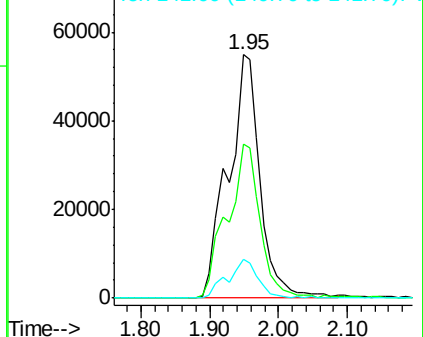
141 15.8 11.5 17.3

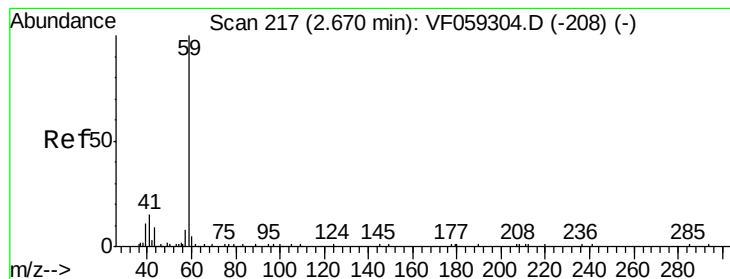


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



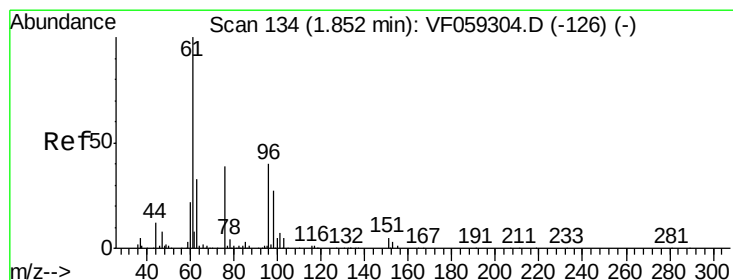
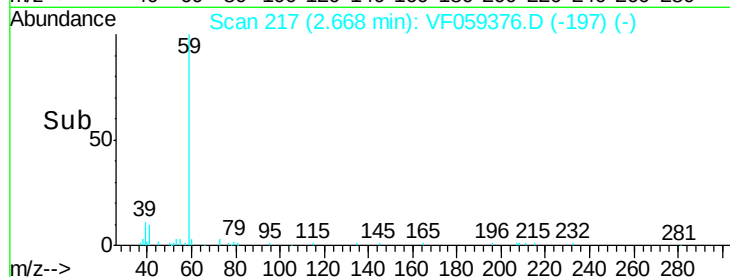
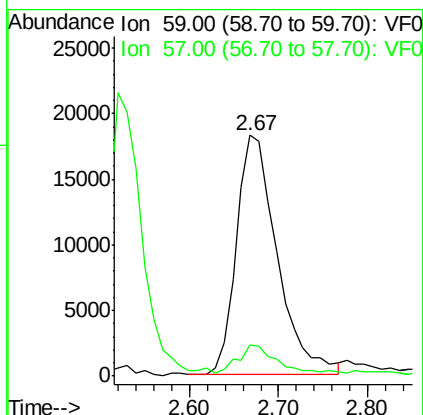
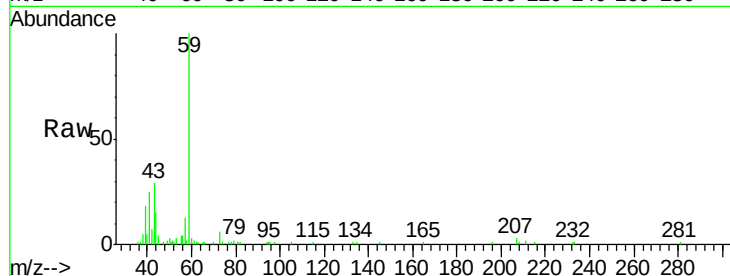


#11

Tert butyl alcohol
Concen: 229.148 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :

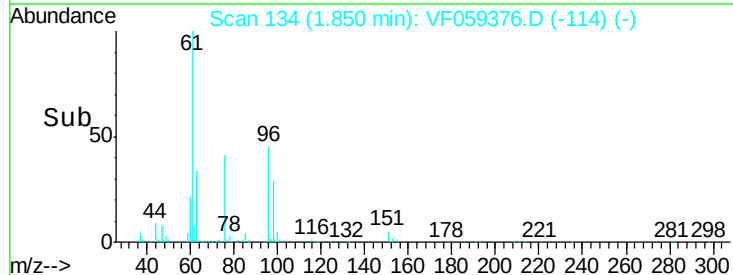
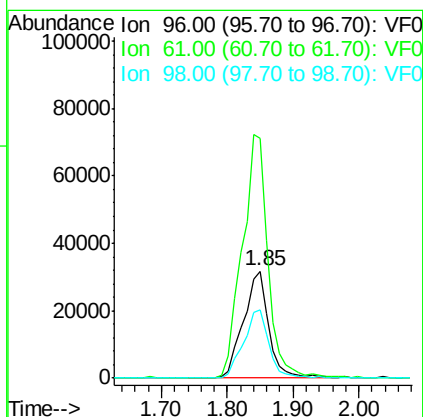
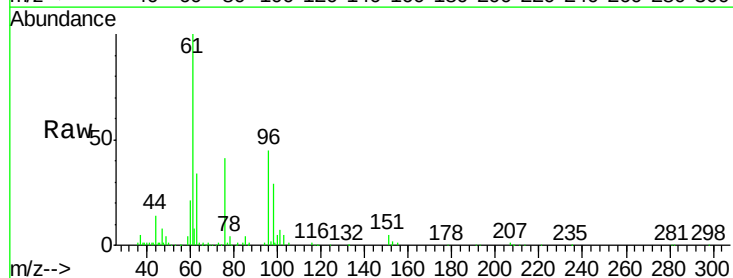
Tot Ion: 59 Resp: 58139
Ion Ratio Lower Upper
59 100
57 12.8 11.0 16.4

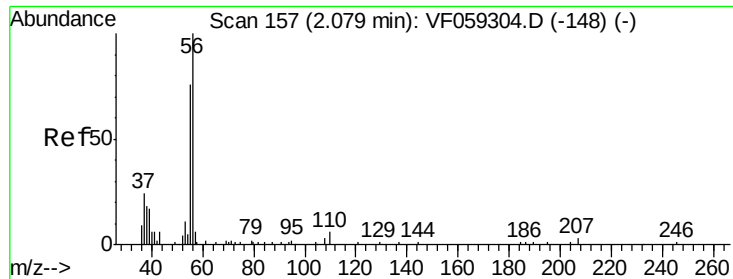


#12

1,1-Dichloroethene
Concen: 49.406 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 96 Resp: 85921
Ion Ratio Lower Upper
96 100
61 223.2 201.1 301.7
98 64.2 53.9 80.9





#13

Acrolein

Concen: 400.758 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

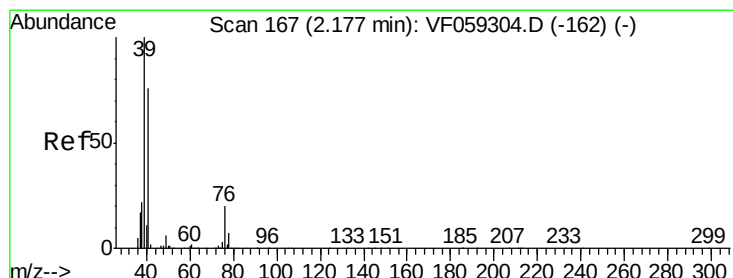
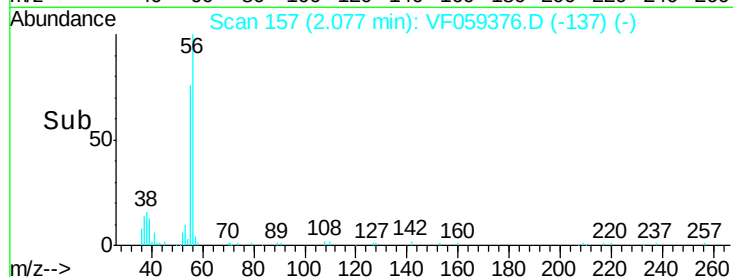
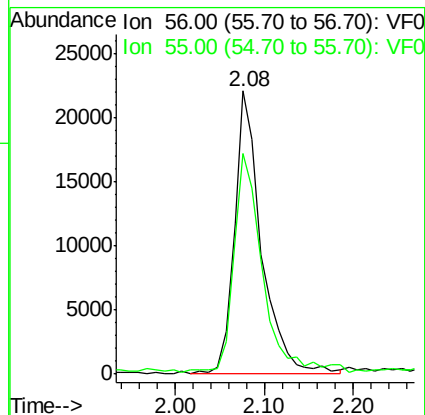
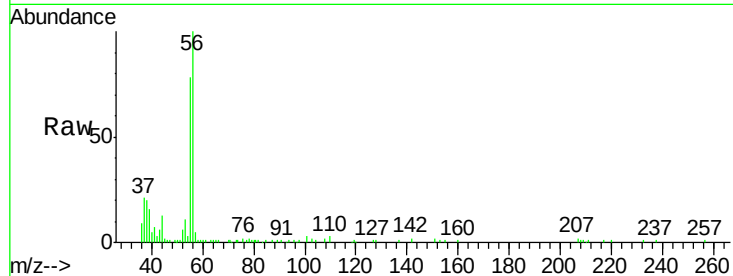
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 47073

Ion Ratio Lower Upper

56 100

55 77.8 62.4 93.6



#14

Allyl chloride

Concen: 51.006 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

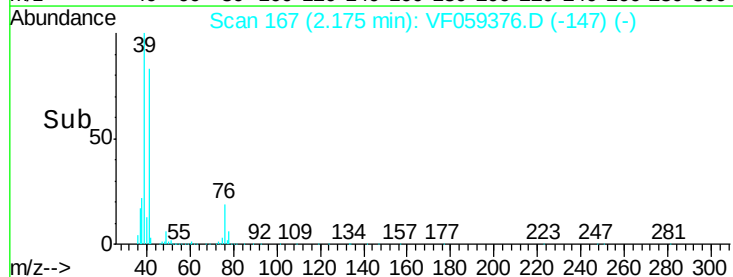
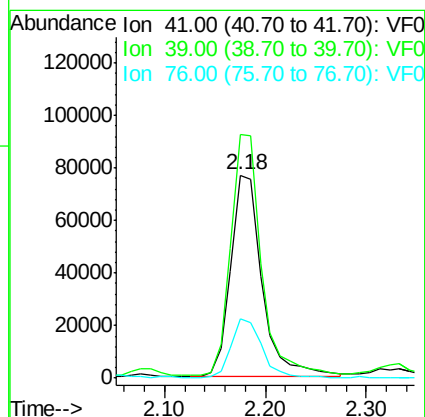
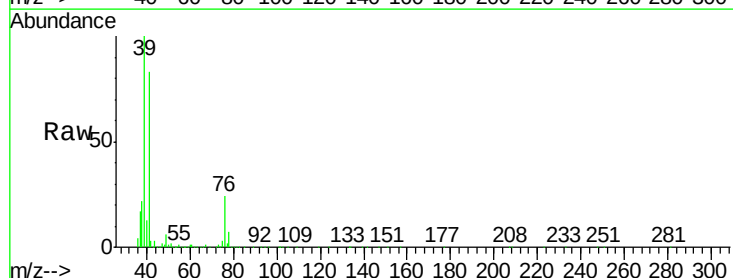
Tgt Ion: 41 Resp: 166512

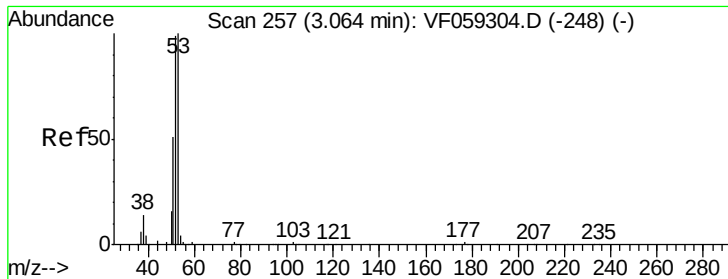
Ion Ratio Lower Upper

41 100

39 120.0 105.6 158.4

76 29.0 21.6 32.4





#15

Acrylonitrile

Concen: 267.996 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

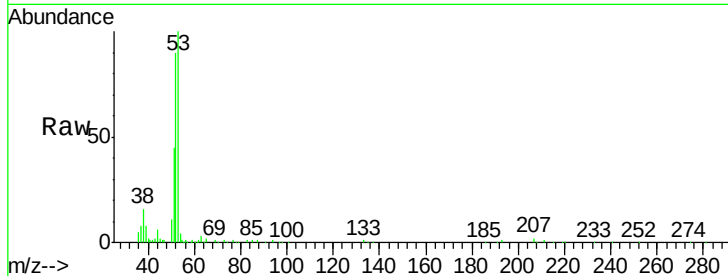
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 53 Resp: 119739

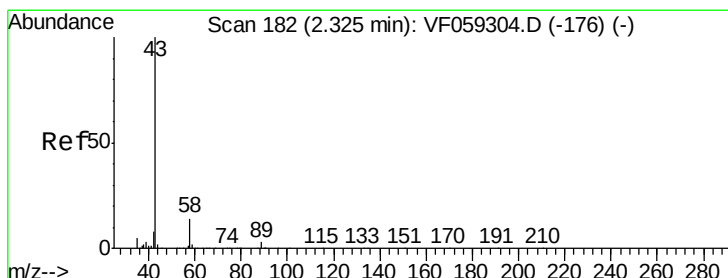
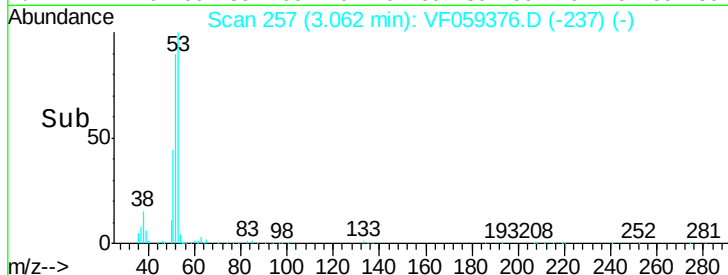
Ion	Ratio	Lower	Upper
53	100		
52	89.8	79.2	118.8
51	44.7	40.9	61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 290.645 ug/l

RT: 2.32 min Scan# 182

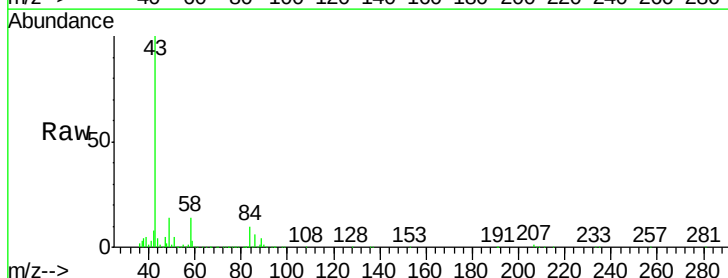
Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

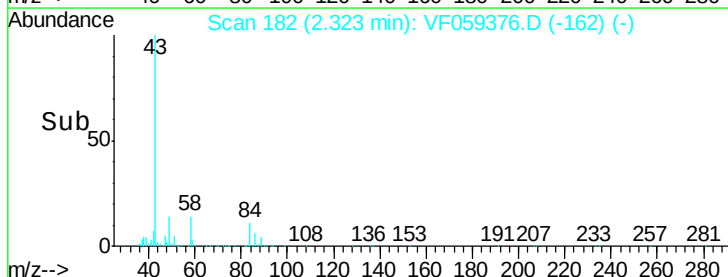
Tgt Ion: 43 Resp: 275061

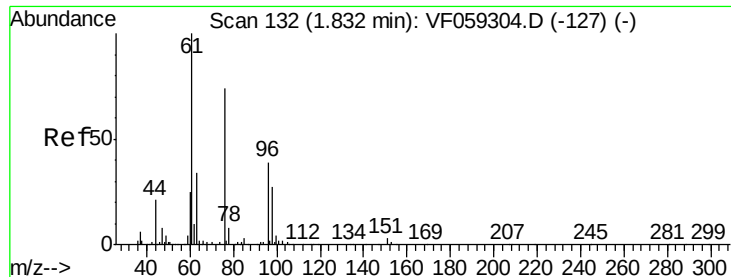
Ion	Ratio	Lower	Upper
43	100		
58	13.9	11.4	17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 45.456 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

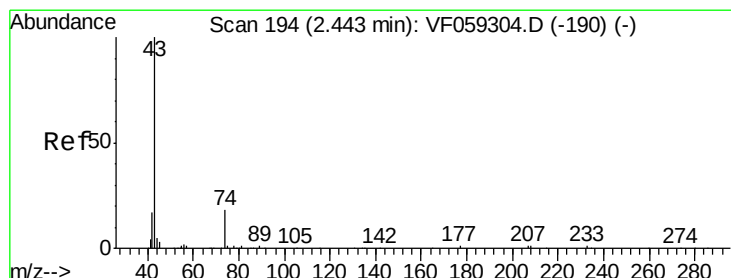
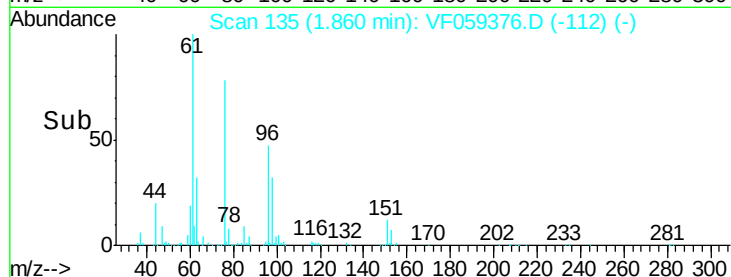
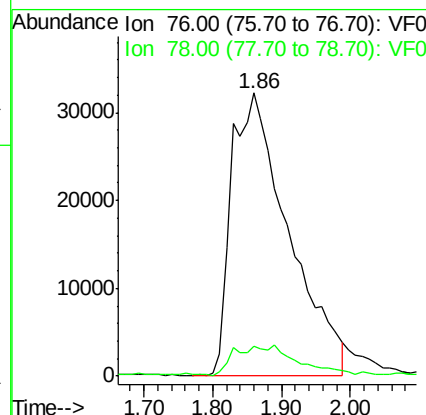
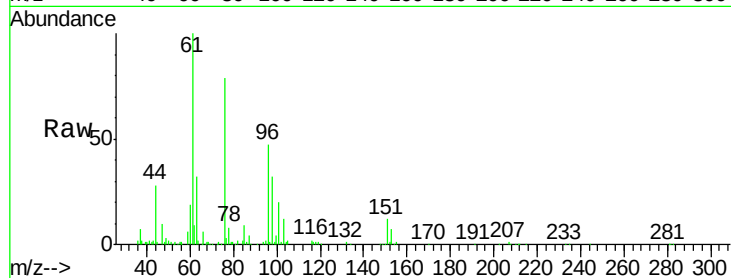
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 185954

Ion Ratio Lower Upper

76 100

78 10.5 8.9 13.3



#18

Methyl Acetate

Concen: 55.030 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059376.D

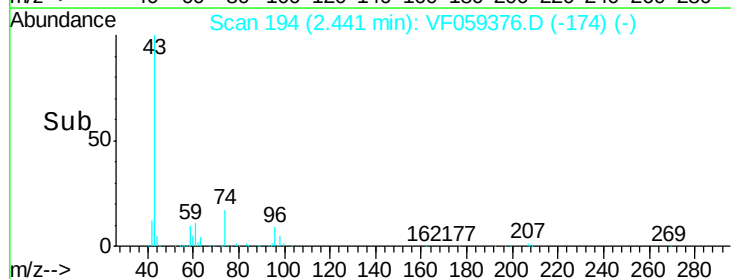
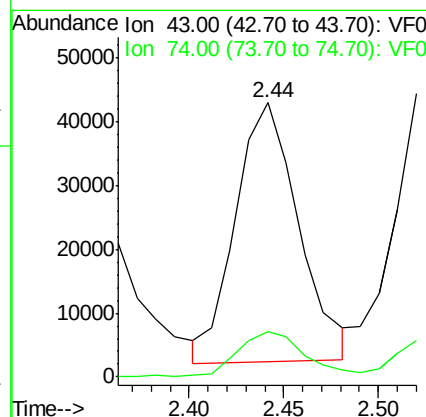
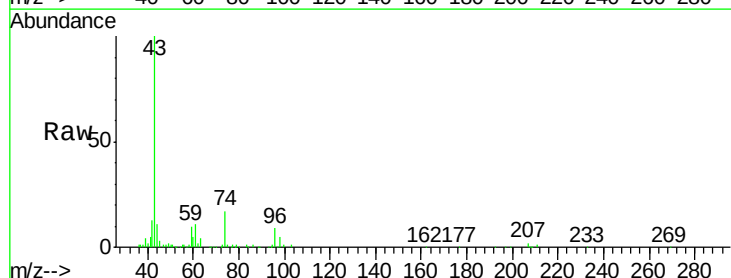
Acq: 29 Jun 2018 14:13

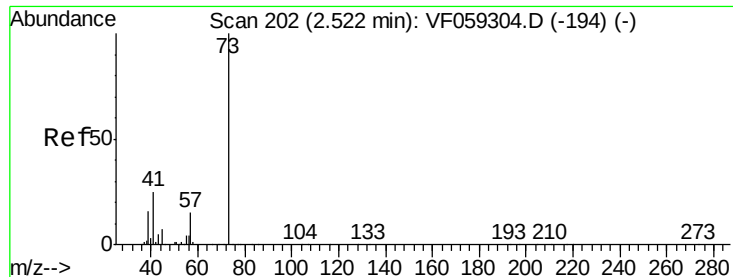
Tgt Ion: 43 Resp: 94459

Ion Ratio Lower Upper

43 100

74 16.8 13.3 19.9

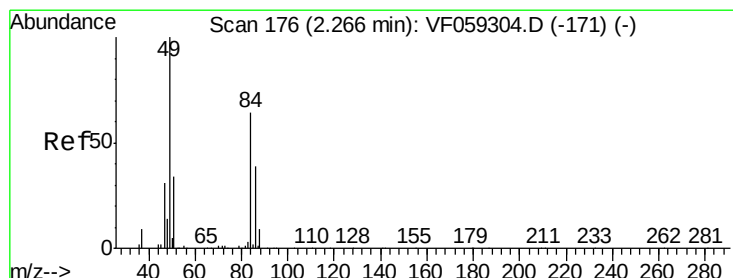
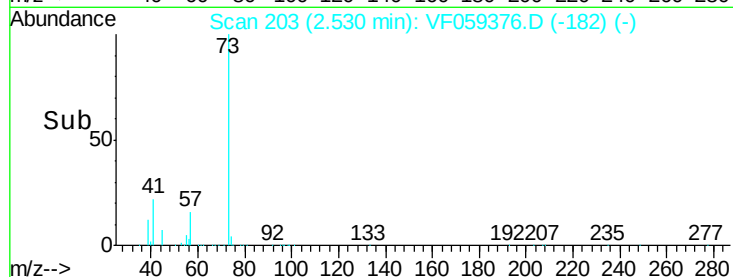
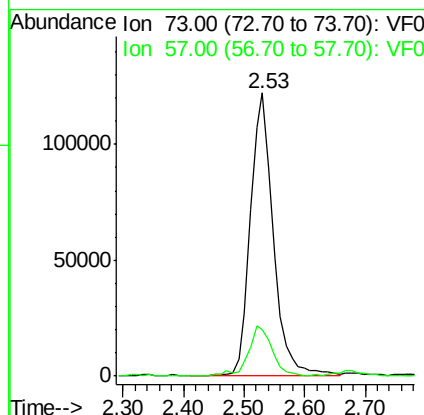
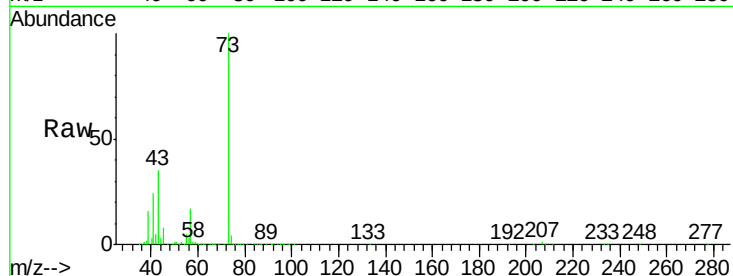




#19
Methyl tert-butyl Ether
Concen: 49.264 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

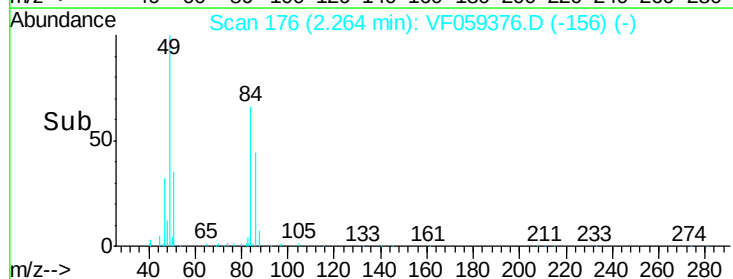
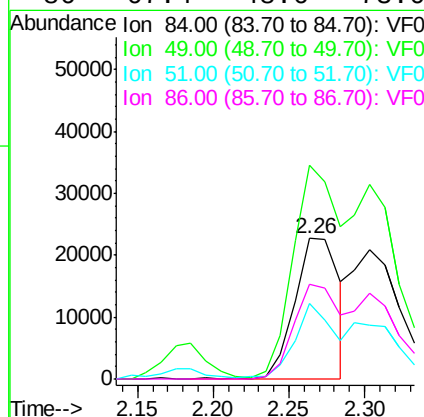
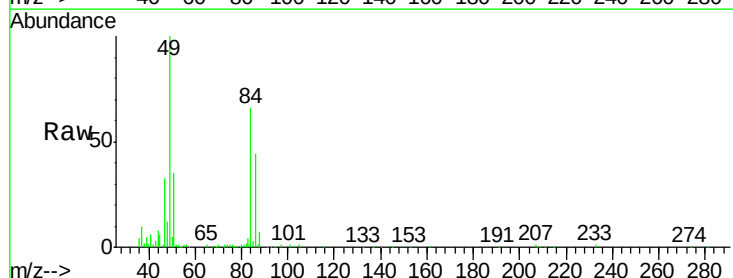
Instrument :
MSVOA_F
ClientSampled :

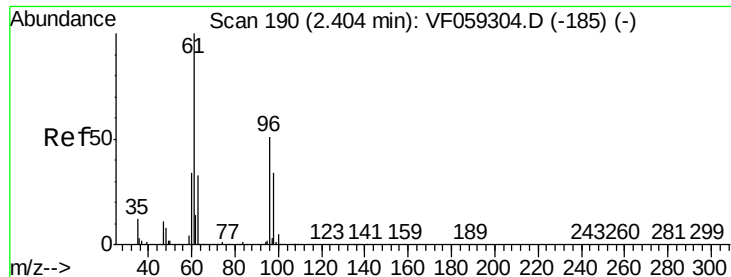
Tot Ion: 73 Resp: 319563
Ion Ratio Lower Upper
73 100
57 16.5 12.3 18.5



#20
Methylene Chloride
Concen: 16.696 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 84 Resp: 46203
Ion Ratio Lower Upper
84 100
49 152.3 126.5 189.7
51 53.8 42.9 64.3
86 67.4 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 48.800 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :

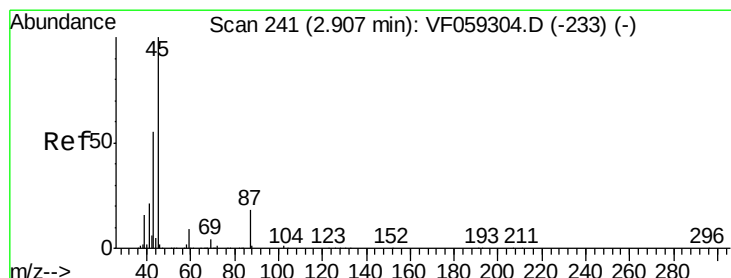
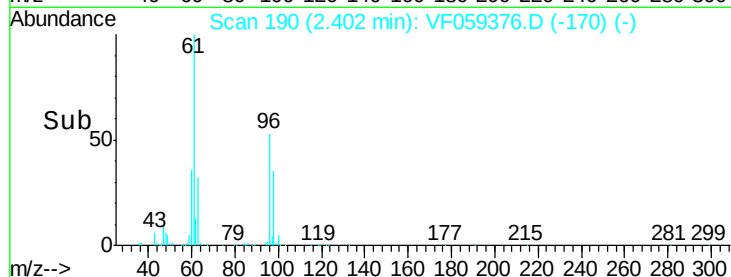
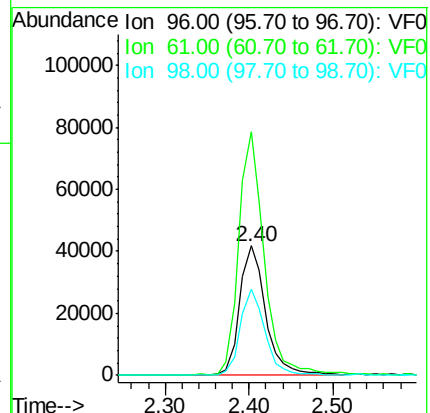
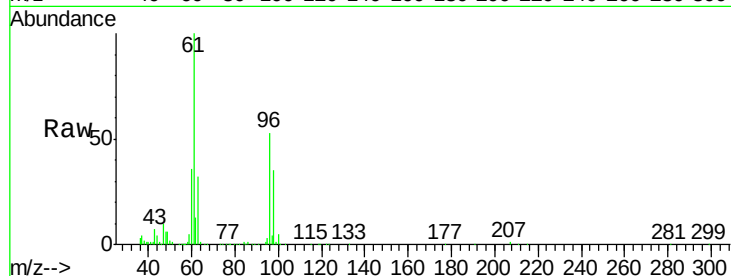
Tot Ion: 96 Resp: 90532

Ion Ratio Lower Upper

96 100

61 188.6 157.4 236.2

98 66.7 53.7 80.5



#22

Diisopropyl ether

Concen: 51.290 ug/l

RT: 2.91 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Tgt Ion: 45 Resp: 370784

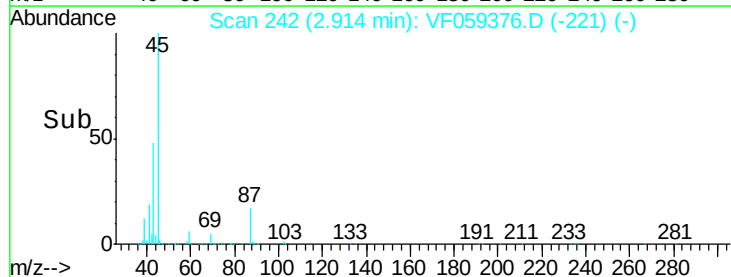
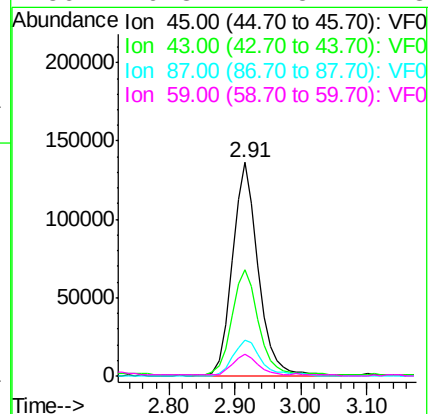
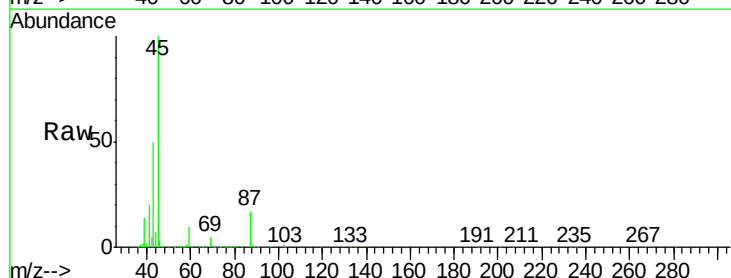
Ion Ratio Lower Upper

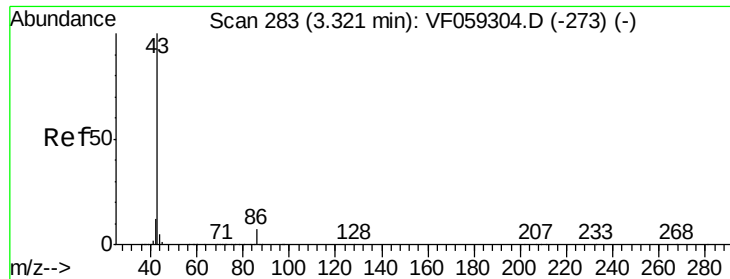
45 100

43 49.7 44.6 66.8

87 16.8 14.3 21.5

59 10.3 7.5 11.3





#23

Vinyl Acetate

Concen: 251.138 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

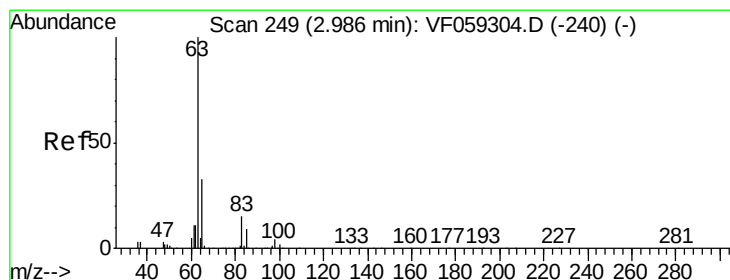
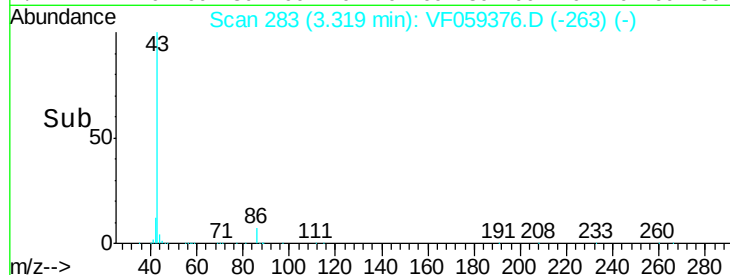
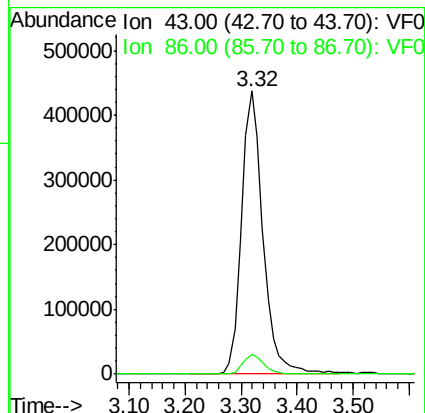
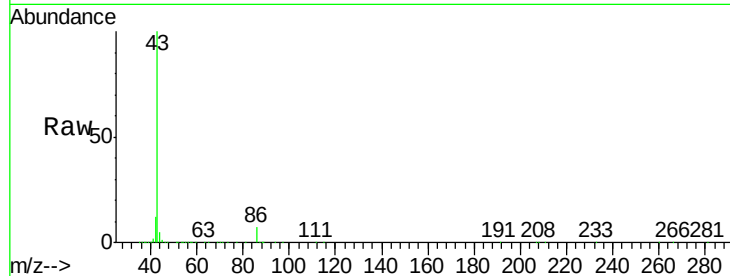
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1156224

Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.6



#24

1,1-Dichloroethane

Concen: 47.765 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

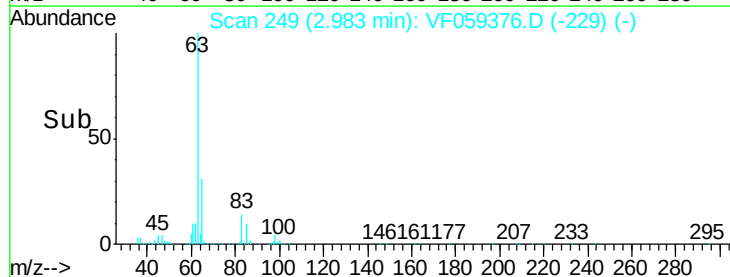
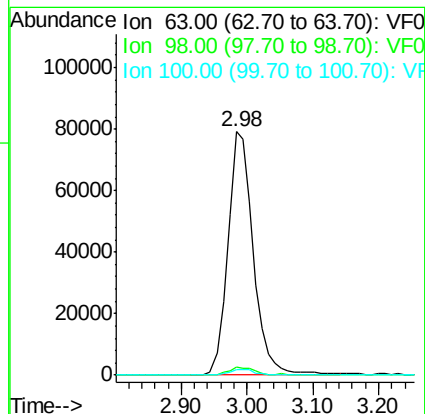
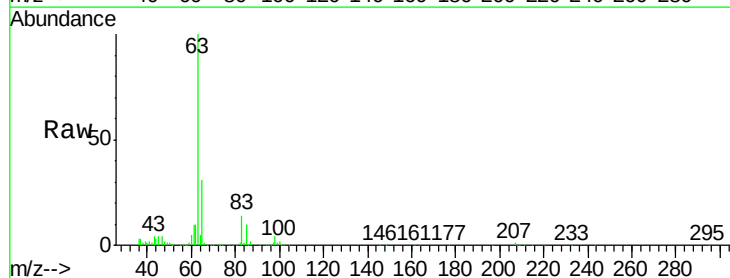
Tgt Ion: 63 Resp: 214088

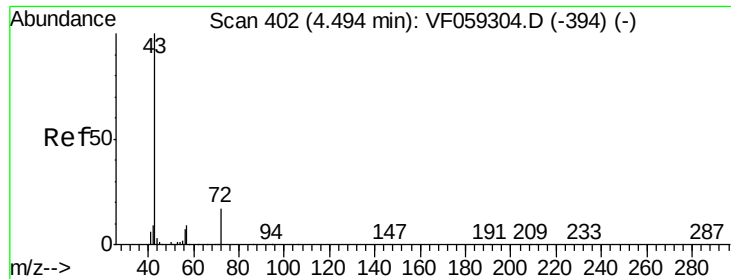
Ion Ratio Lower Upper

63 100

98 3.6 2.0 6.0

100 2.2 1.3 3.9





#25

2-Butanone

Concen: 283.307 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

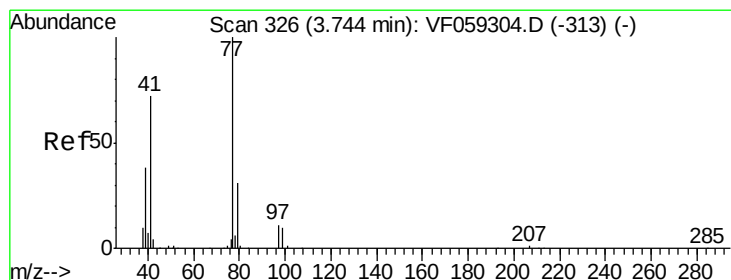
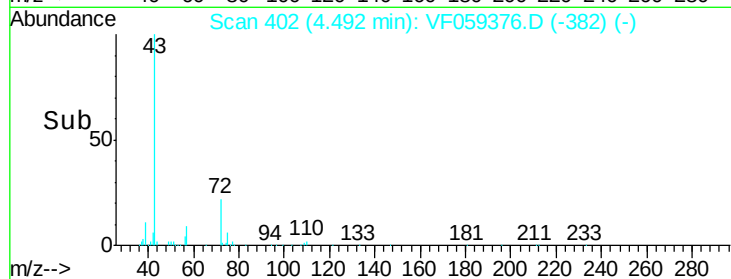
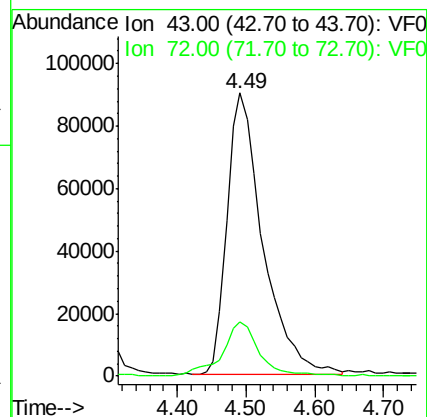
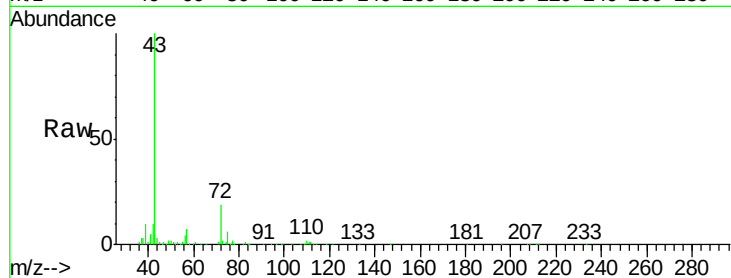
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 326202

Ion Ratio Lower Upper

43 100

72 19.1 14.4 21.6



#26

2,2-Dichloropropane

Concen: 48.117 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059376.D

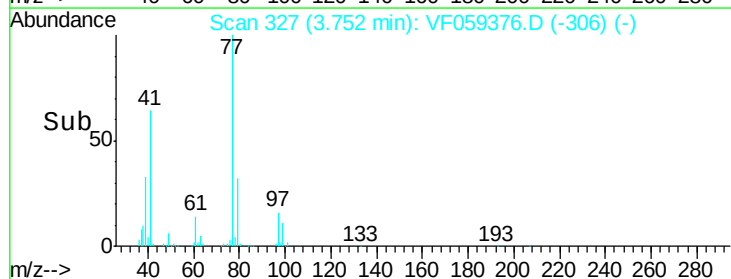
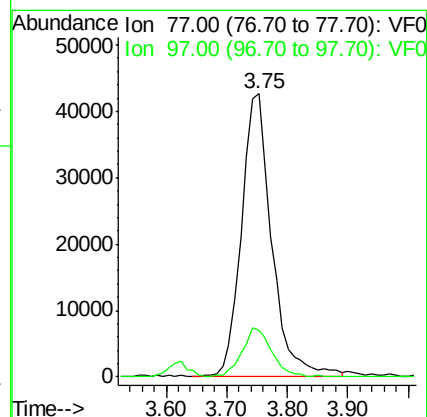
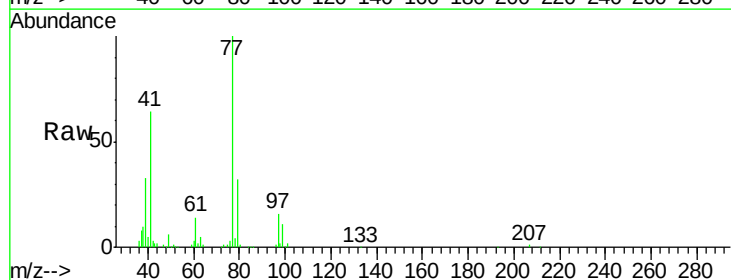
Acq: 29 Jun 2018 14:13

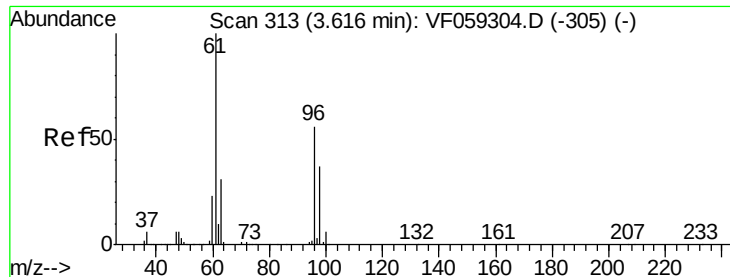
Tgt Ion: 77 Resp: 148751

Ion Ratio Lower Upper

77 100

97 16.4 8.0 23.8



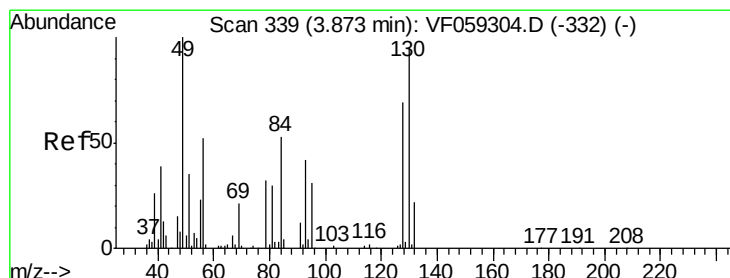
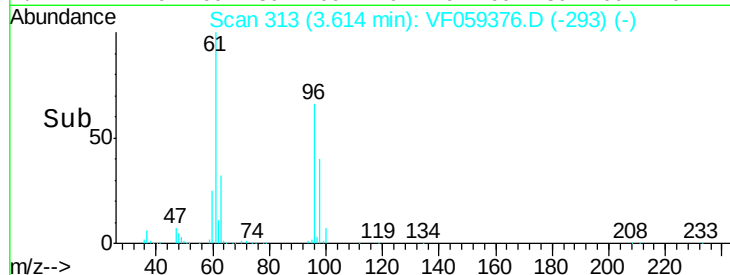
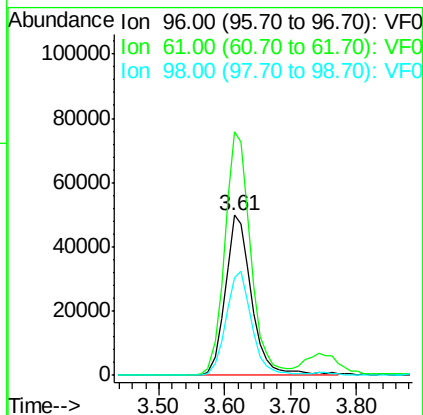
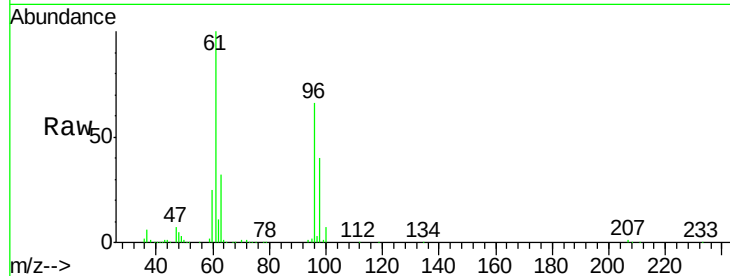


#27

cis-1,2-Dichloroethene
Concen: 49.206 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampled :

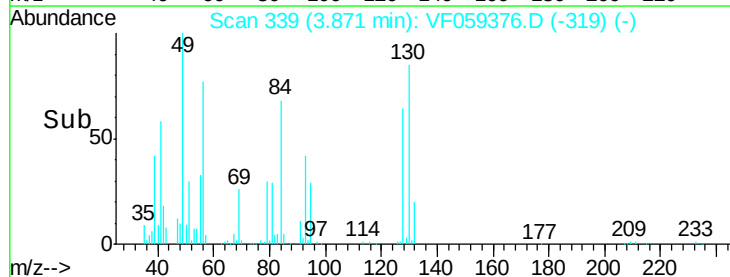
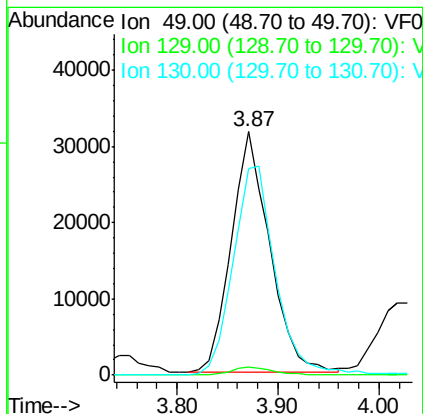
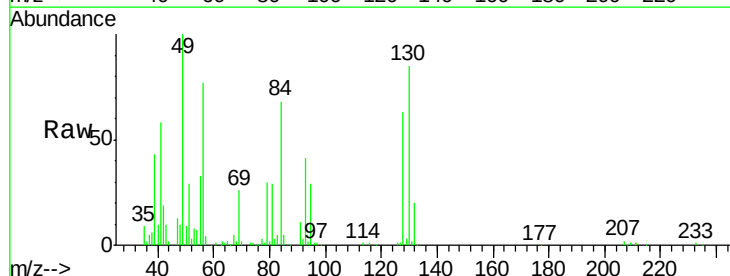
Tot Ion	96	Resp:	138594
Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	355.4
98	60.9	0.0	131.0

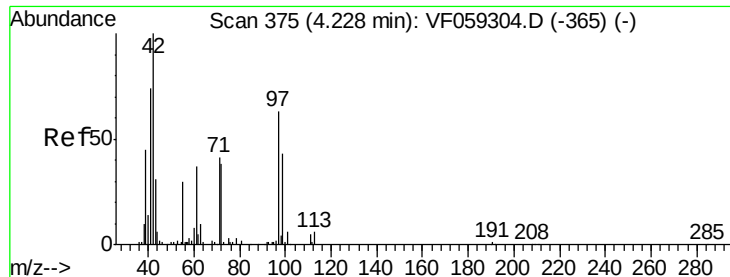


#28

Bromochloromethane
Concen: 48.827 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion	49	Resp:	84216
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	6.4
130	84.9	75.1	112.7





#29

Tetrahydrofuran

Concen: 293.006 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :

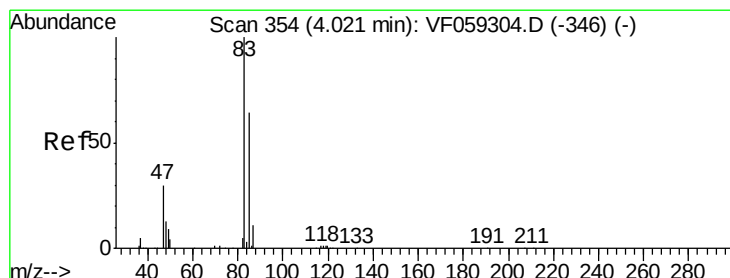
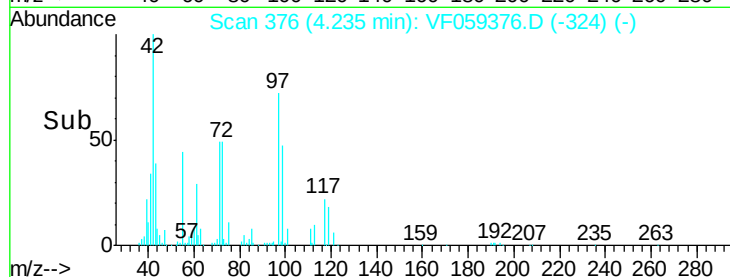
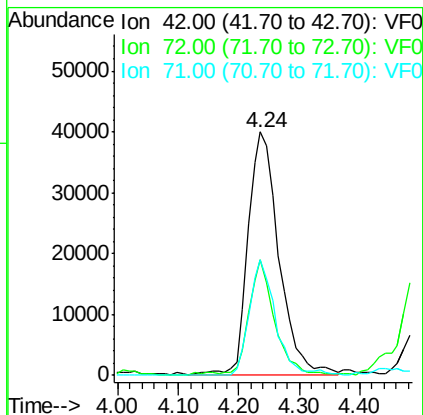
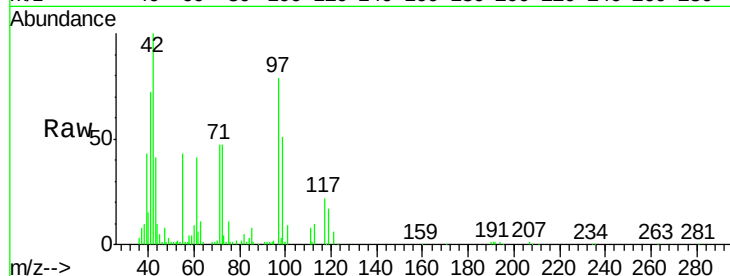
Tot Ion: 42 Resp: 142880

Ion Ratio Lower Upper

42 100

72 38.6 30.5 45.7

71 39.3 32.5 48.7



#30

Chloroform

Concen: 46.610 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF059376.D

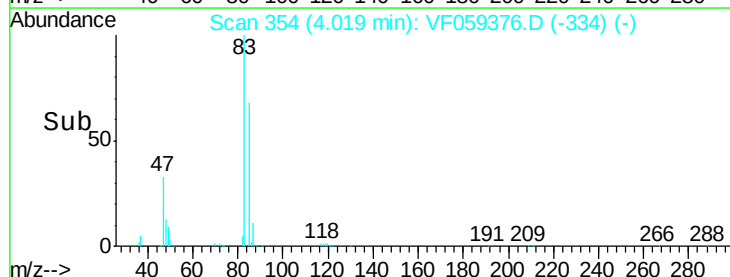
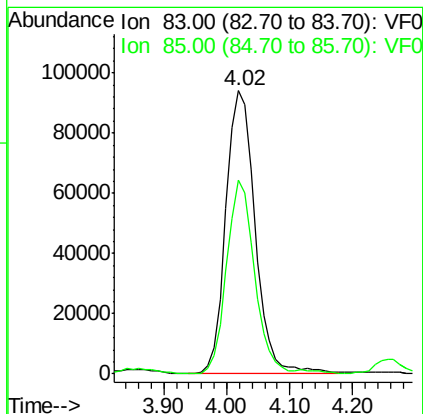
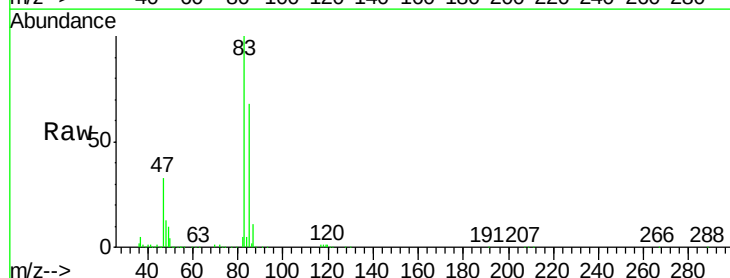
Acq: 29 Jun 2018 14:13

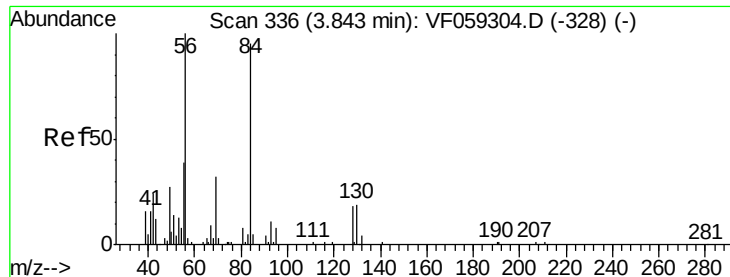
Tgt Ion: 83 Resp: 302440

Ion Ratio Lower Upper

83 100

85 68.3 51.3 76.9





#31

Cyclohexane

Concen: 47.542 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :

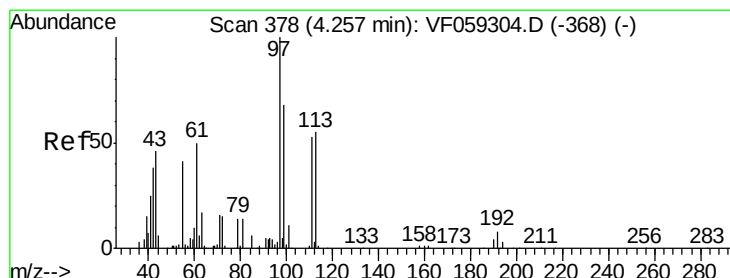
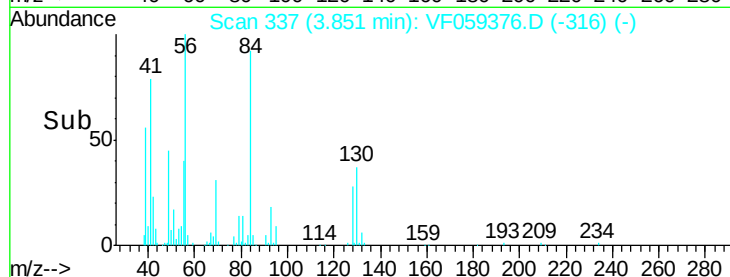
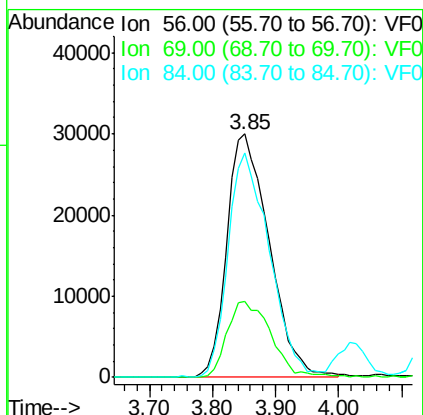
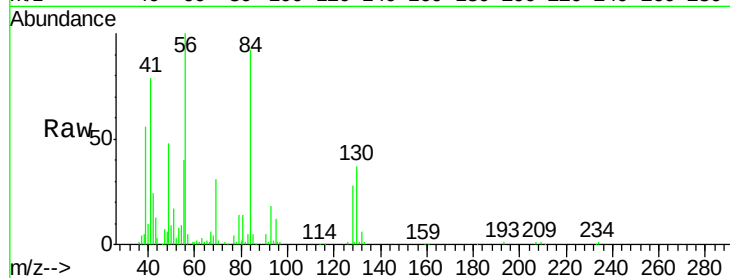
Tot Ion: 56 Resp: 139595

Ion Ratio Lower Upper

56 100

69 30.9 25.8 38.8

84 92.4 75.6 113.4



#32

1,1,1-Trichloroethane

Concen: 46.435 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

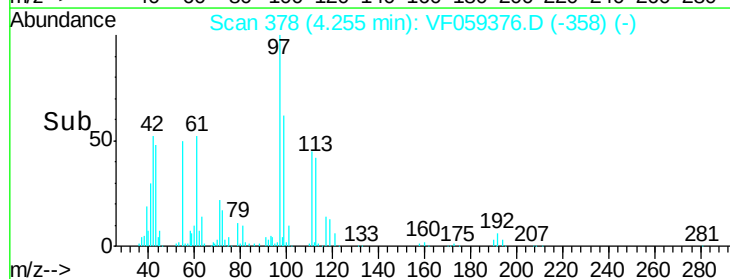
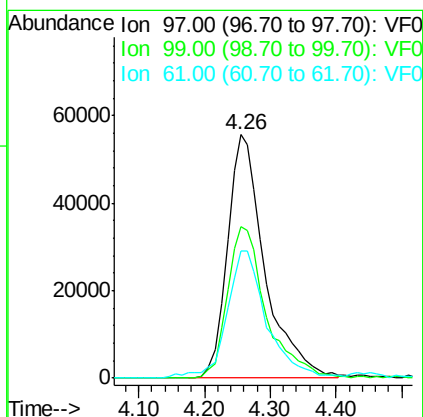
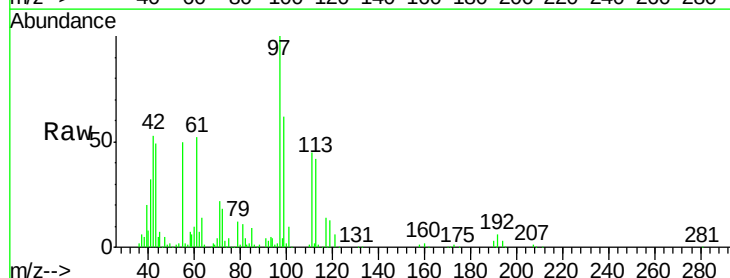
Tgt Ion: 97 Resp: 220488

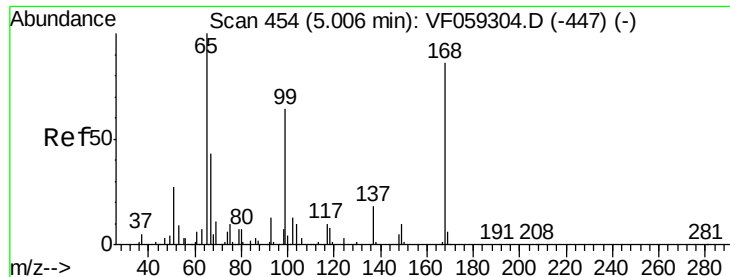
Ion Ratio Lower Upper

97 100

99 62.0 54.1 81.1

61 52.4 41.2 61.8

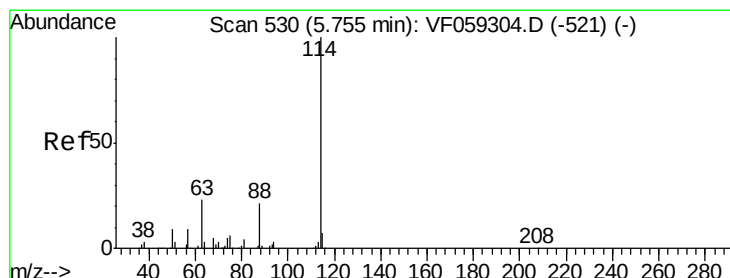
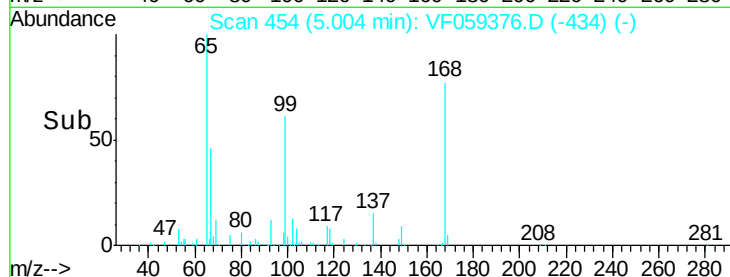
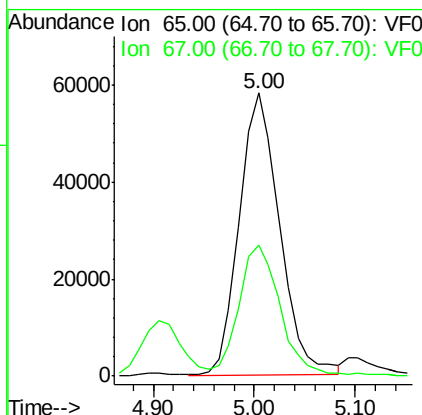
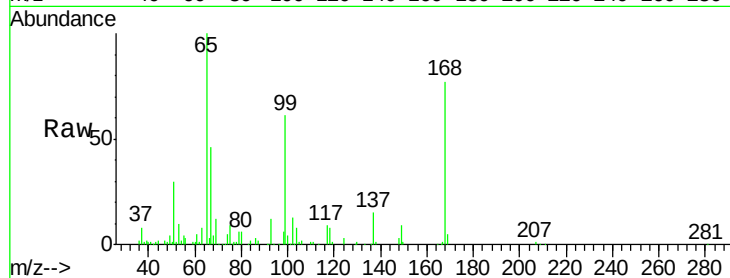




#33
 1,2-Dichloroethane-d4
 Concen: 42.691 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

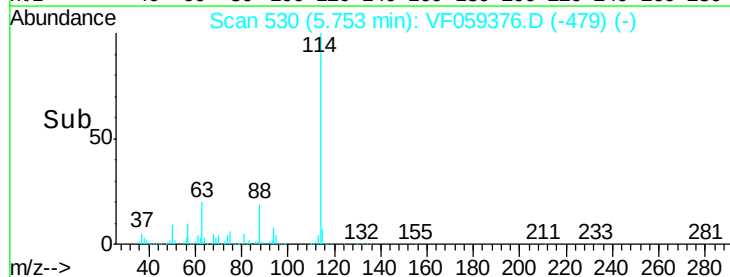
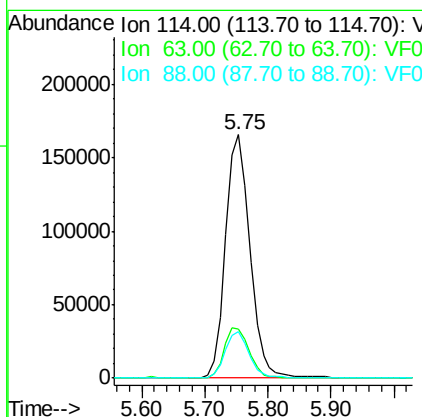
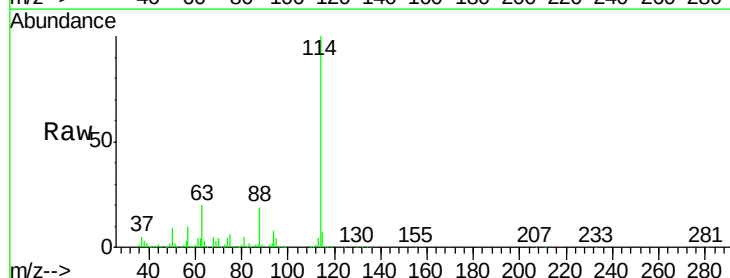
Instrument :
 MSVOA_F
 ClientSampleId :

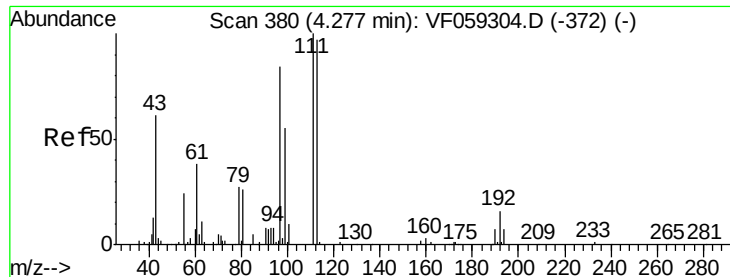
Tot Ion: 65 Resp: 162699
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

Tgt Ion: 114 Resp: 446171
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.8
 88 19.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 45.836 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :

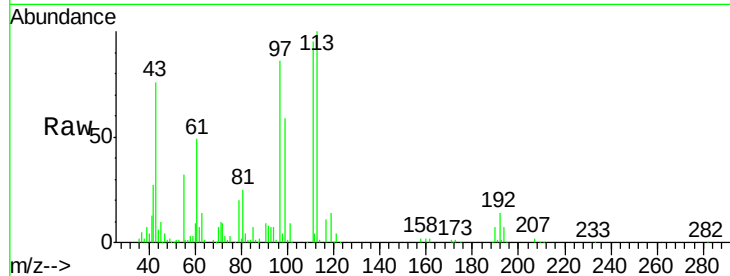
Tot Ion:113 Resp: 149428

Ion Ratio Lower Upper

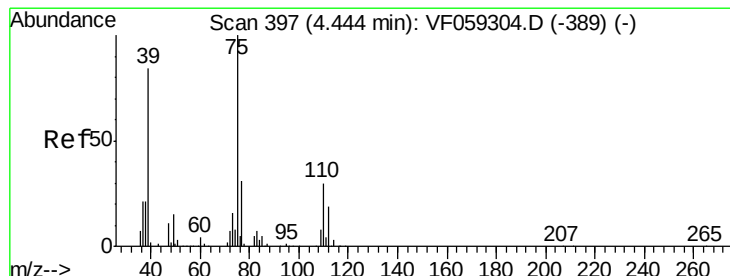
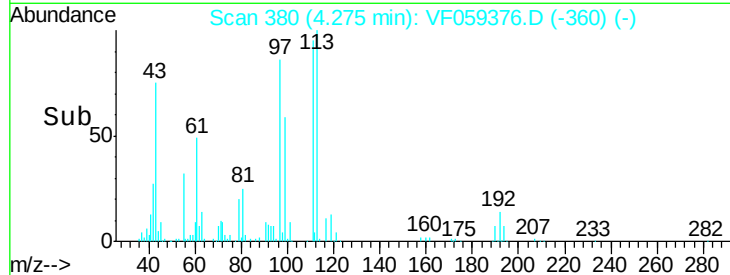
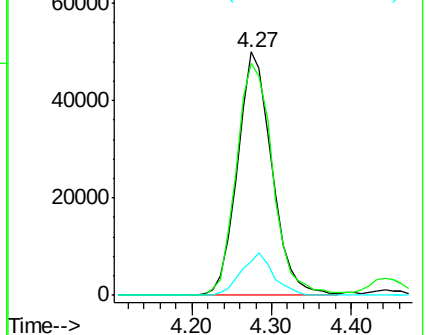
113 100

111 95.5 82.1 123.1

192 14.1 13.0 19.6



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



#36

1,1-Dichloropropene

Concen: 46.362 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

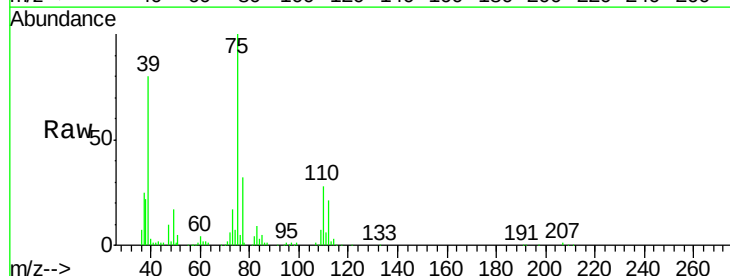
Tgt Ion: 75 Resp: 180702

Ion Ratio Lower Upper

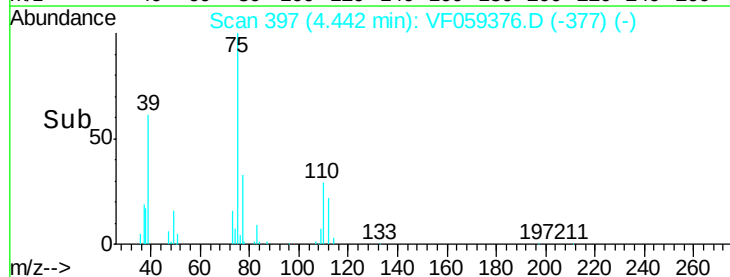
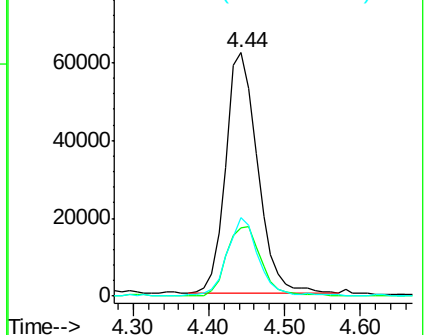
75 100

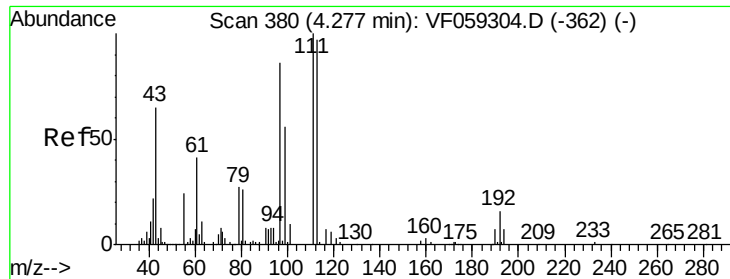
110 27.9 14.8 44.4

77 32.1 25.2 37.8



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

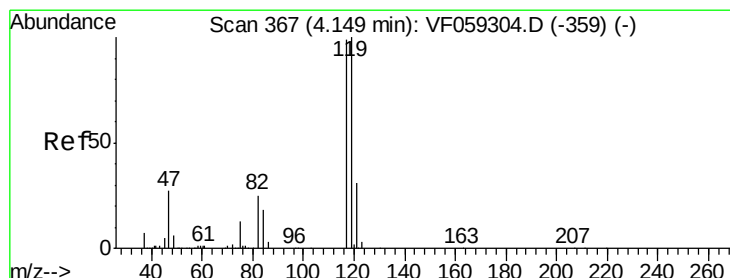
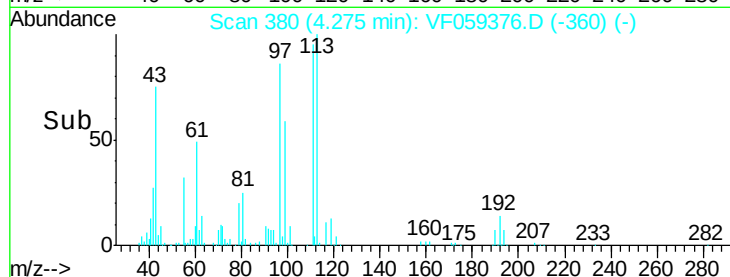
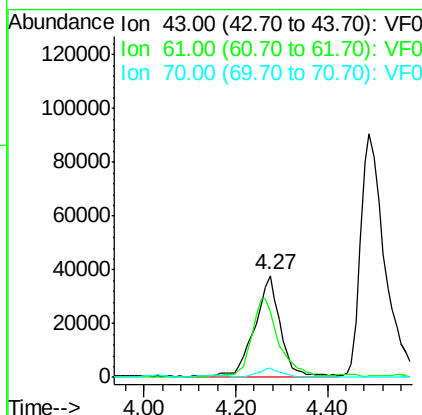
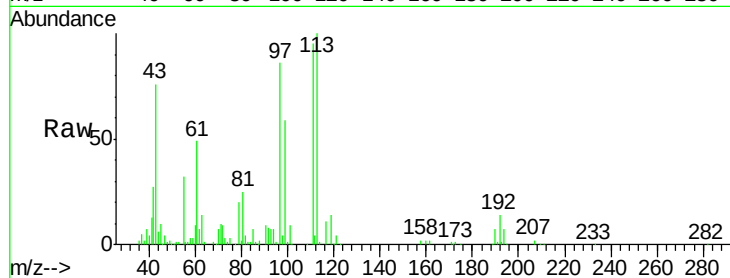




#37
Ethyl Acetate
Concen: 58.845 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

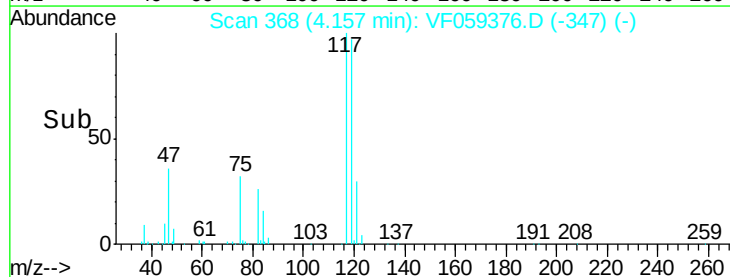
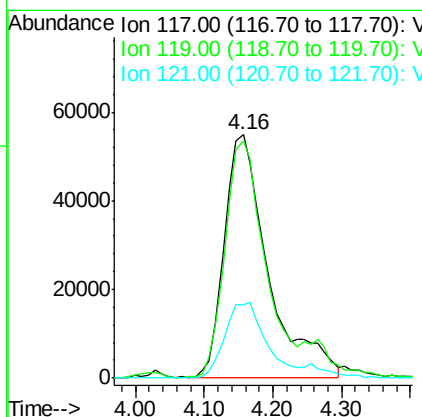
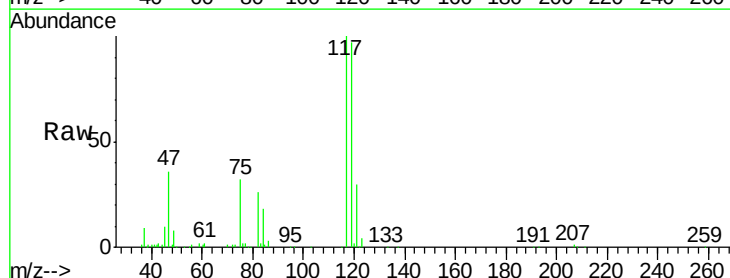
Instrument :
MSVOA_F
ClientSampleId :

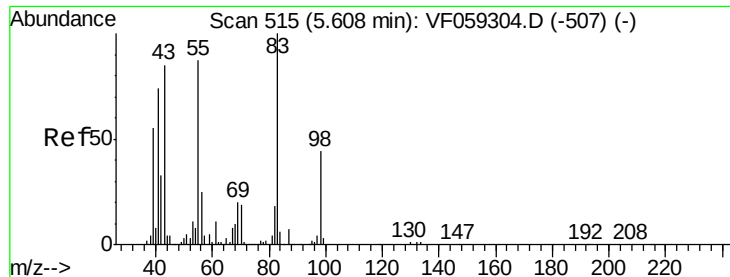
Tot Ion: 43 Resp: 146067
Ion Ratio Lower Upper
43 100
61 64.6 50.1 75.1
70 8.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 49.949 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 117 Resp: 245688
Ion Ratio Lower Upper
117 100
119 97.4 81.0 121.4
121 30.2 24.7 37.1

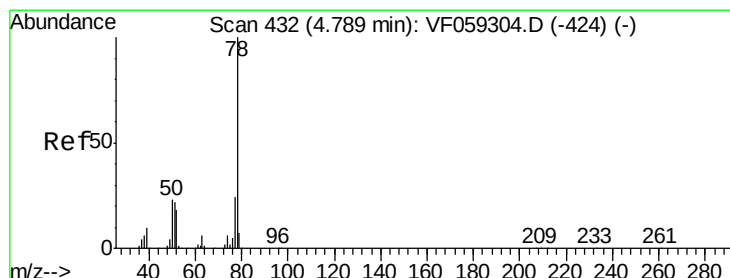
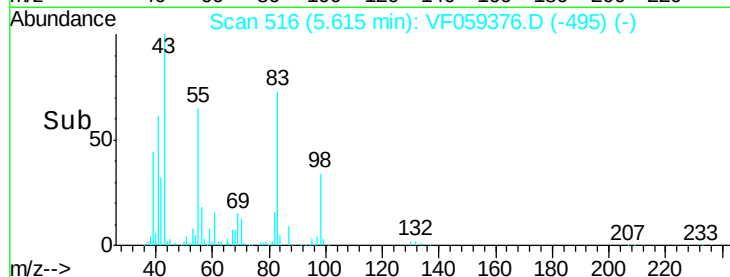
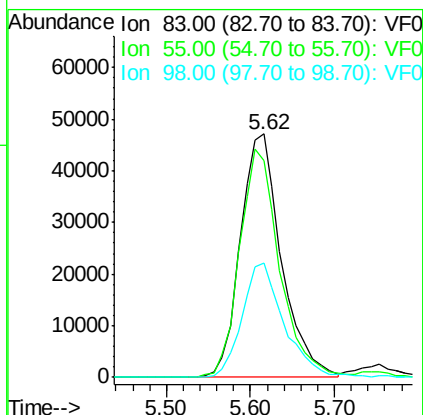
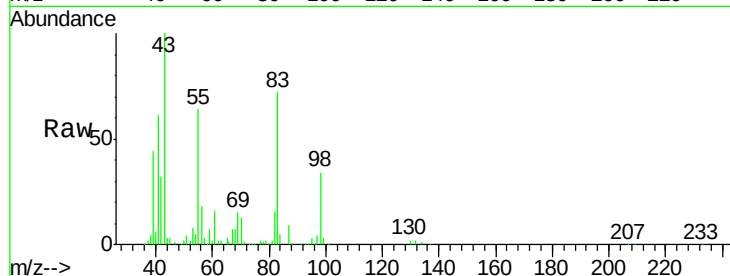




#39
Methylcyclohexane
Concen: 46.357 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

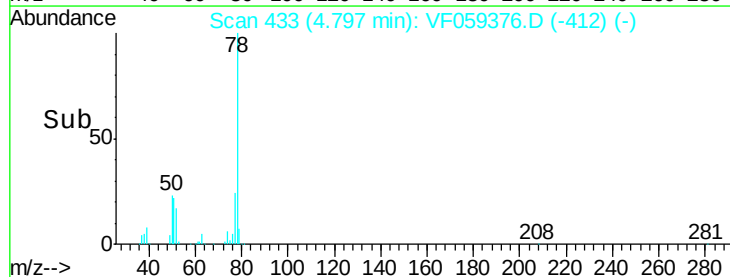
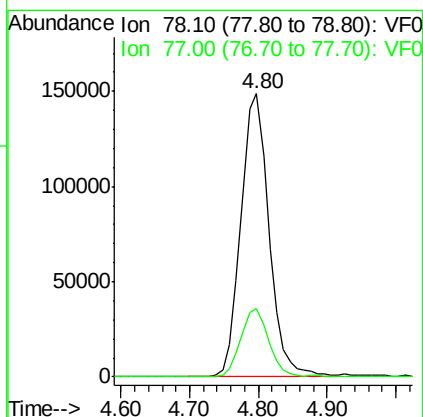
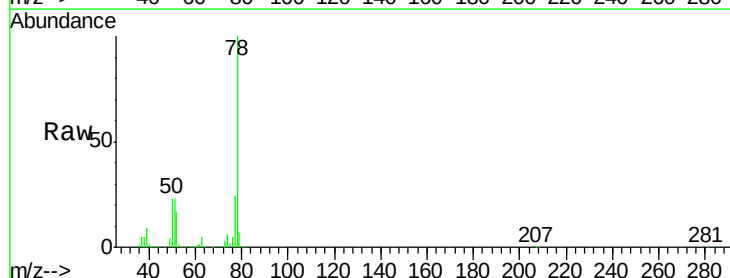
Instrument :
MSVOA_F
ClientSampled :

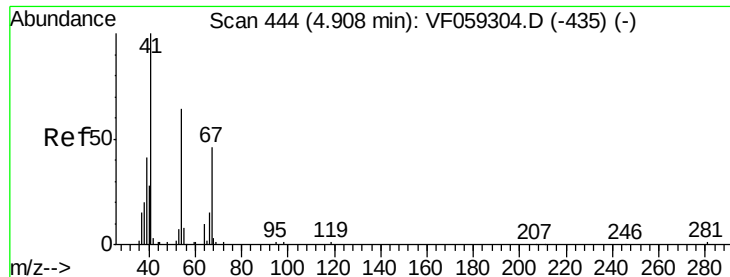
Tot Ion: 83 Resp: 160113
Ion Ratio Lower Upper
83 100
55 88.8 69.2 103.8
98 46.9 35.0 52.6



#40
Benzene
Concen: 49.024 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 78 Resp: 423660
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4





#41

Methacrylonitrile

Concen: 50.176 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 66711

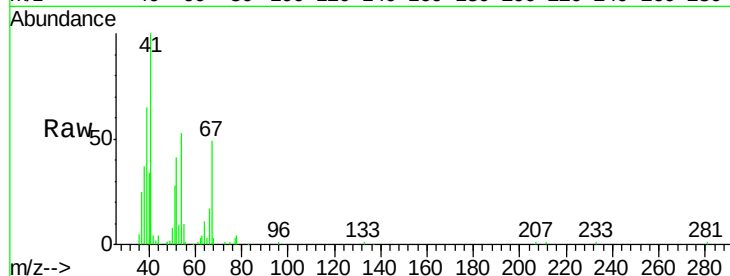
Ion Ratio Lower Upper

41 100

39 65.2 50.0 75.0

67 49.1 37.0 55.6

52 40.6 37.1 55.7

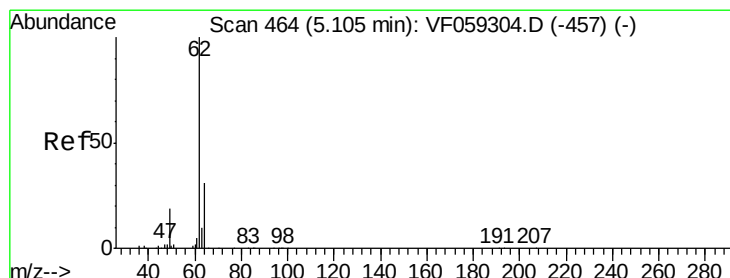
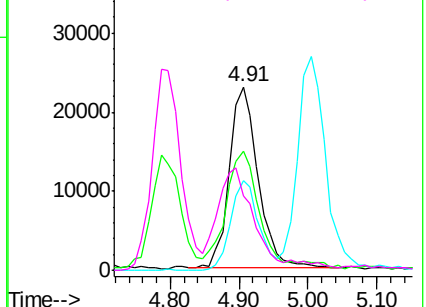
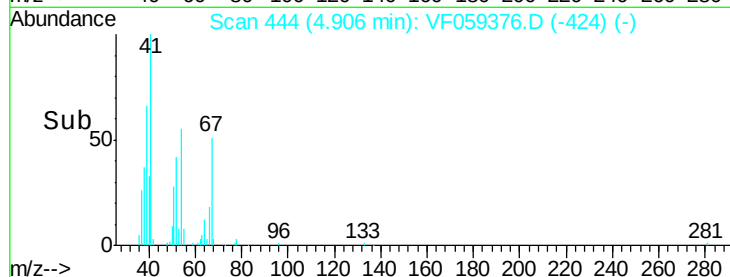


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 47.517 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.00 min

Lab File: VF059376.D

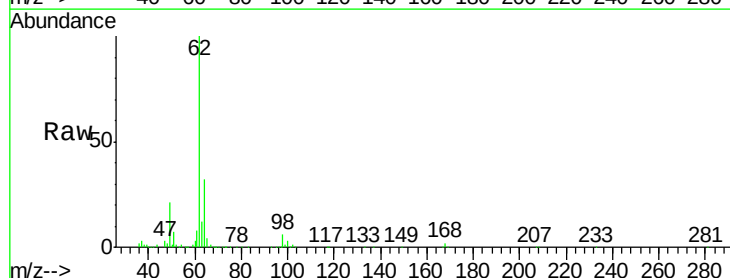
Acq: 29 Jun 2018 14:13

Tgt Ion: 62 Resp: 239949

Ion Ratio Lower Upper

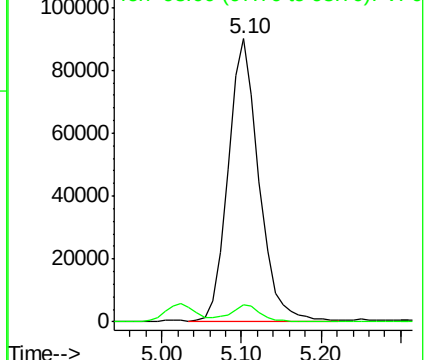
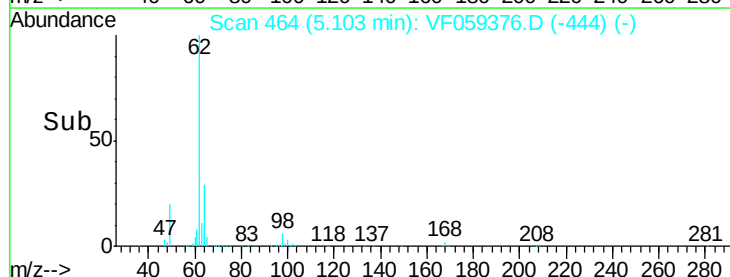
62 100

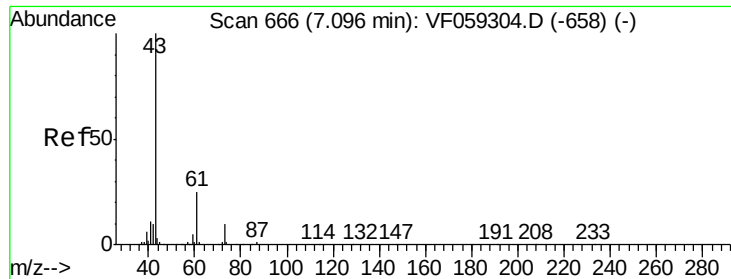
98 5.9 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 54.070 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

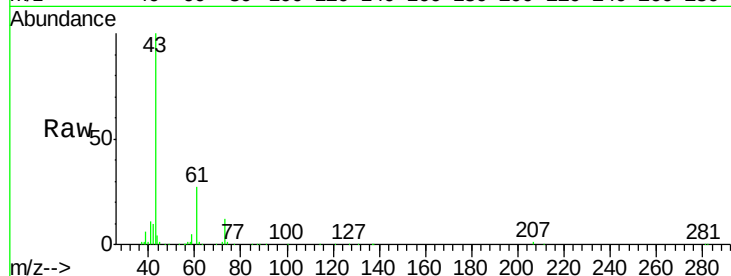
Tot Ion: 43 Resp: 175541

Ion Ratio Lower Upper

43 100

61 27.2 19.7 29.5

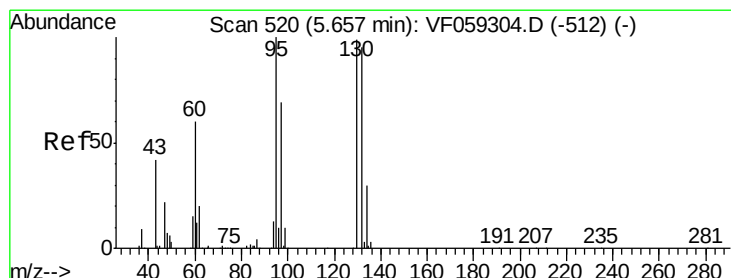
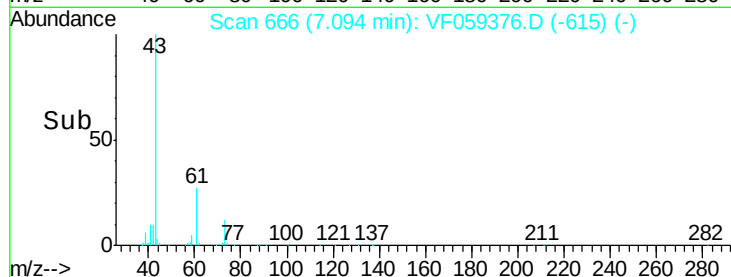
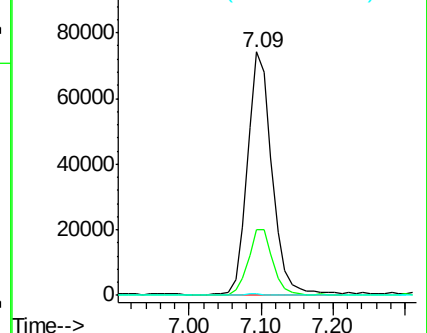
87 0.5 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 46.017 ug/l

RT: 5.66 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF059376.D

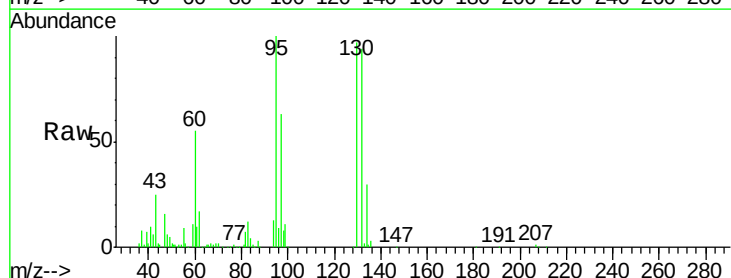
Acq: 29 Jun 2018 14:13

Tgt Ion:130 Resp: 136419

Ion Ratio Lower Upper

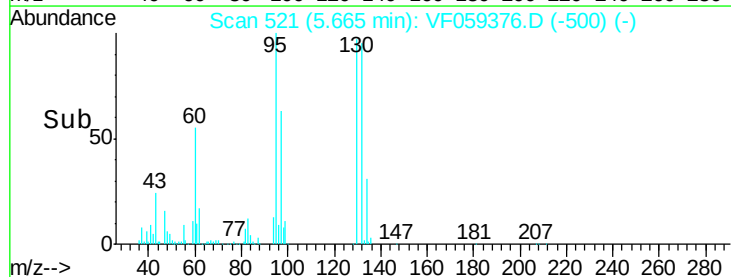
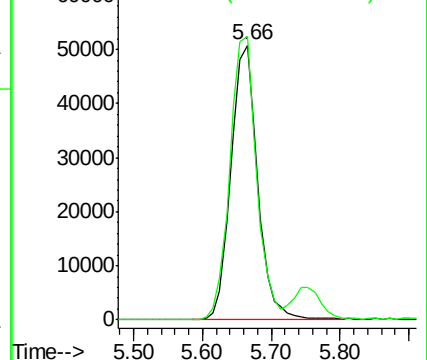
130 100

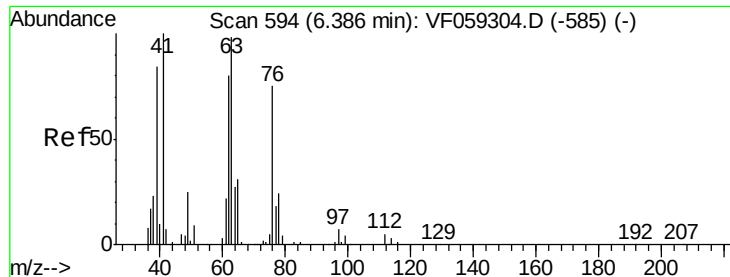
95 103.1 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

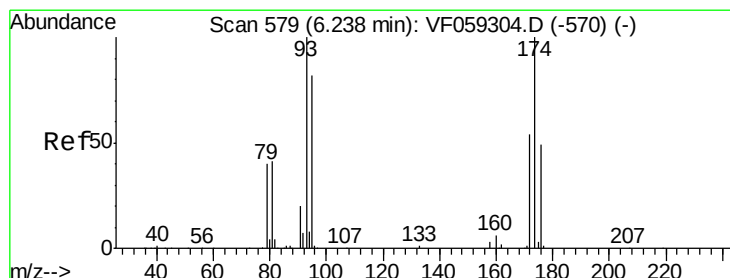
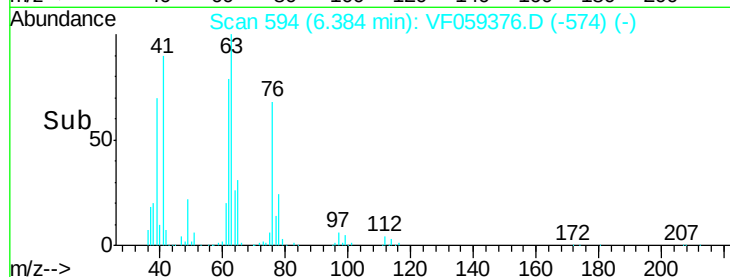
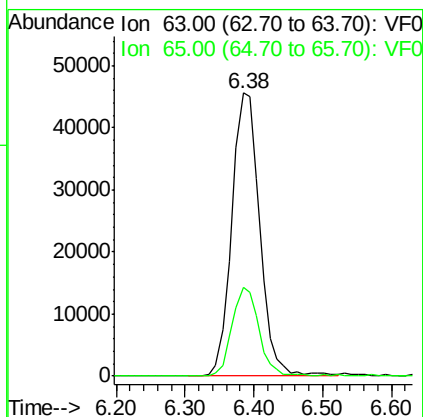
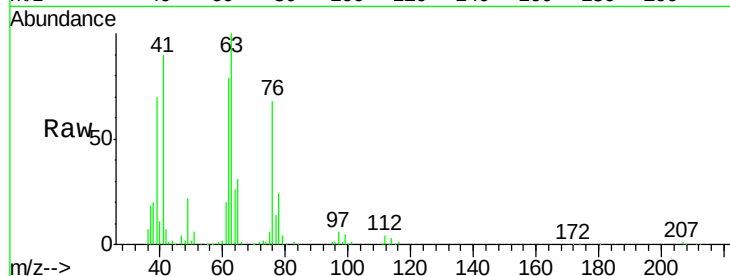




#45
1,2-Dichloropropane
Concen: 51.907 ug/l
RT: 6.38 min Scan# 594
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

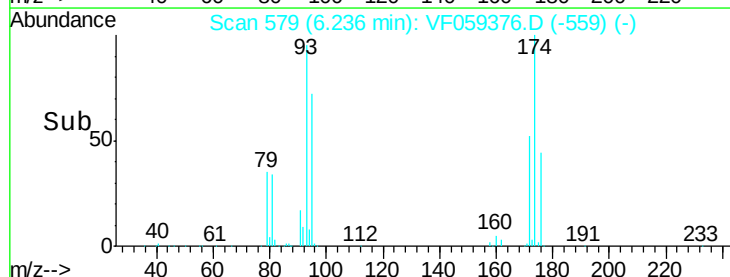
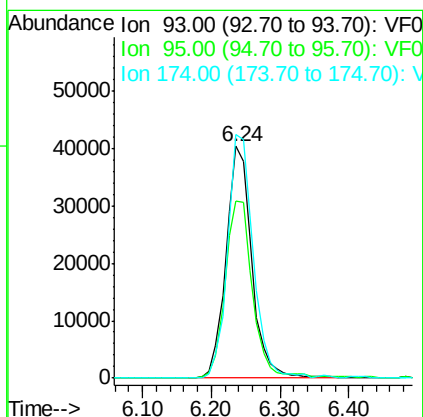
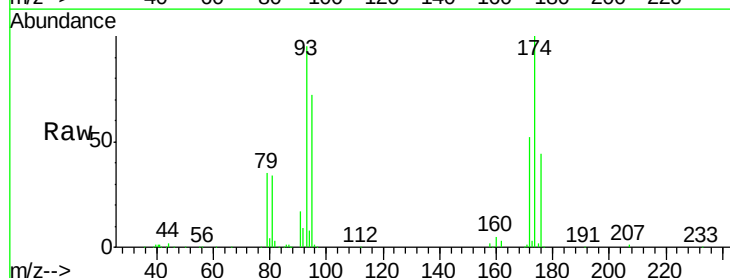
Instrument :
MSVOA_F
ClientSampleId :

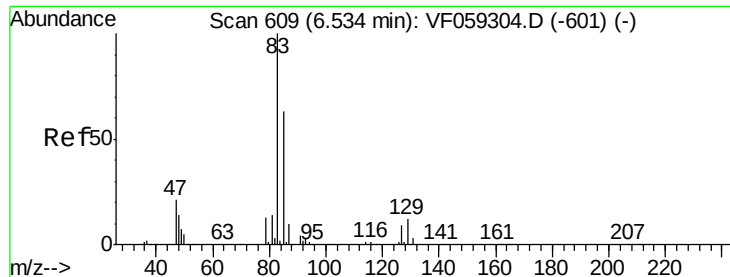
Tot Ion: 63 Resp: 128162
Ion Ratio Lower Upper
63 100
65 31.4 25.3 37.9



#46
Dibromomethane
Concen: 48.854 ug/l
RT: 6.24 min Scan# 579
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 93 Resp: 104696
Ion Ratio Lower Upper
93 100
95 76.1 65.6 98.4
174 105.0 80.0 120.0





#47

Bromodichloromethane

Concen: 49.078 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

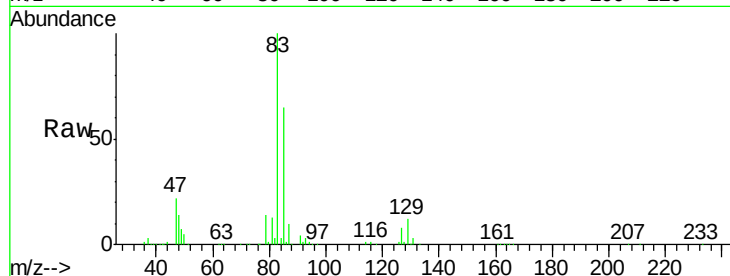
Tot Ion: 83 Resp: 254597

Ion Ratio Lower Upper

83 100

85 64.6 50.2 75.2

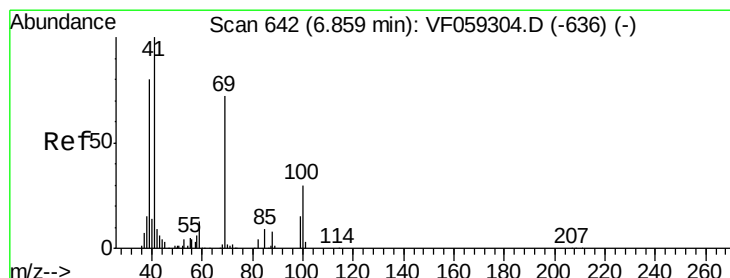
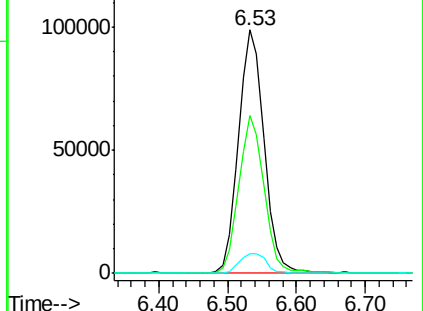
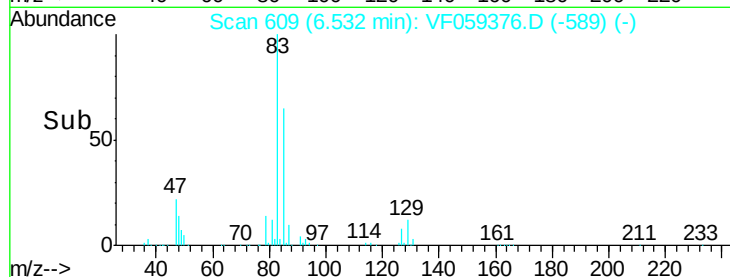
127 8.0 7.0 10.4



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: 55.516 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

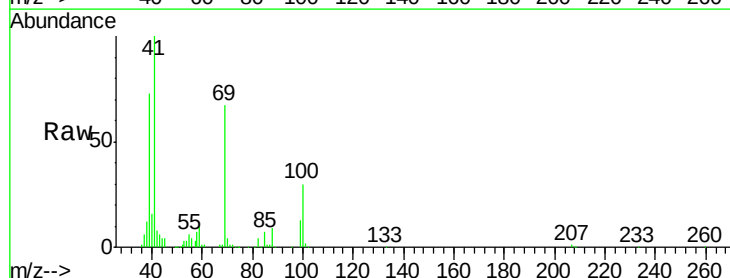
Tgt Ion: 41 Resp: 120797

Ion Ratio Lower Upper

41 100

69 67.3 57.3 85.9

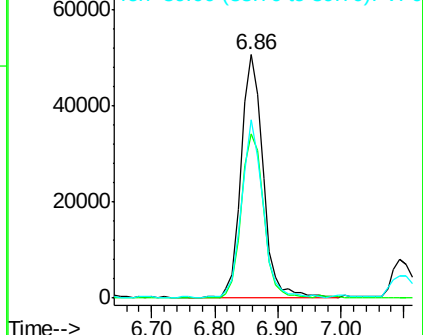
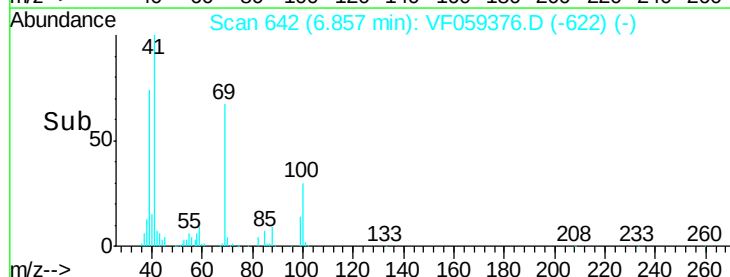
39 73.5 64.4 96.6

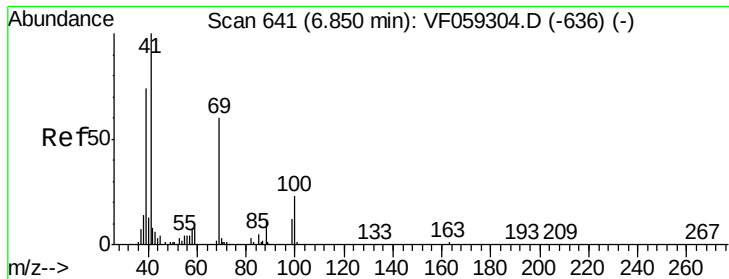


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1056.787 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampled :

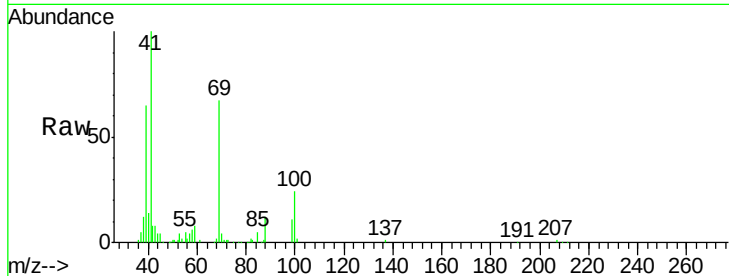
Tot Ion: 88 Resp: 12241

Ion Ratio Lower Upper

88 100

43 66.0 50.6 75.8

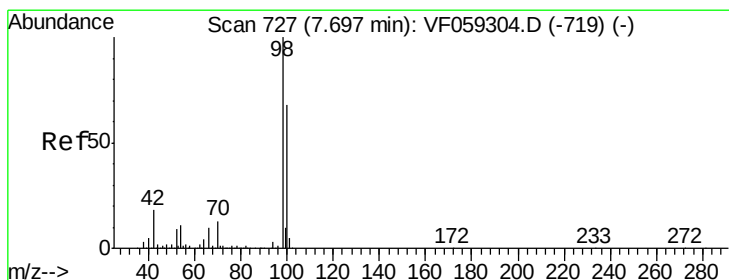
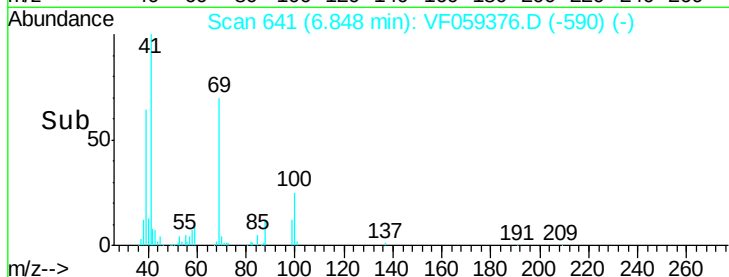
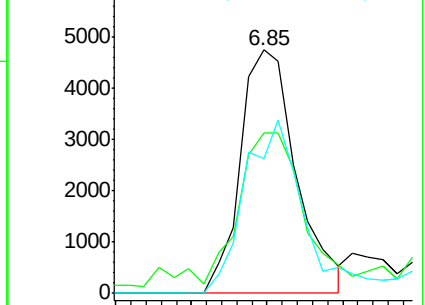
58 55.5 46.6 69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 45.899 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059376.D

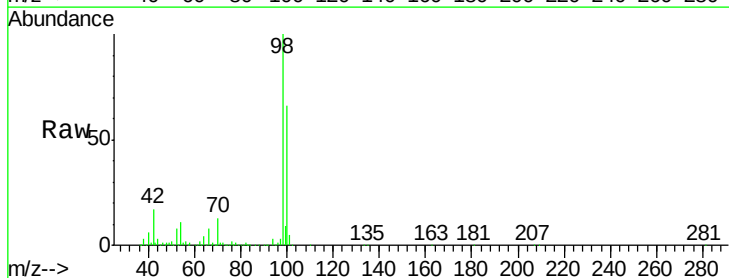
Acq: 29 Jun 2018 14:13

Tgt Ion: 98 Resp: 370470

Ion Ratio Lower Upper

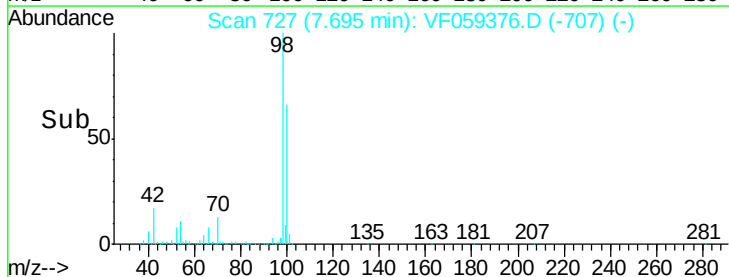
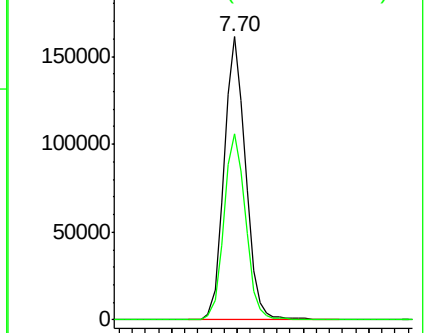
98 100

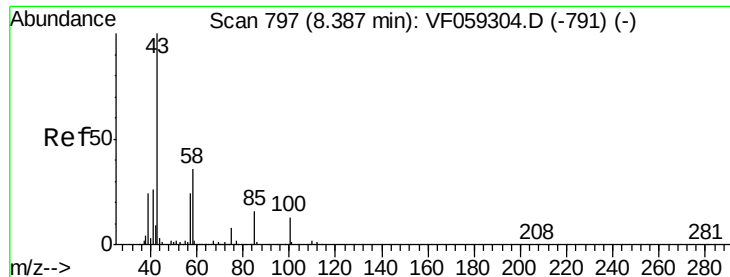
100 65.9 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 263.192 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

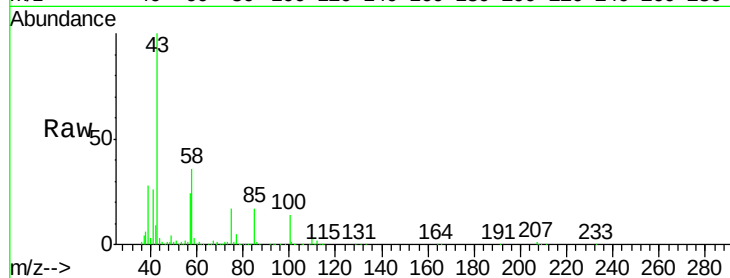
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 633035

Ion Ratio Lower Upper

43 100

58 36.0 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

250000

200000

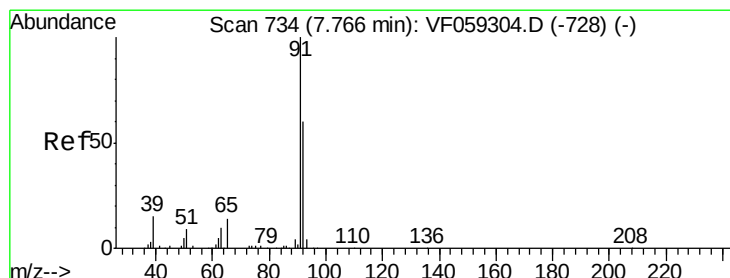
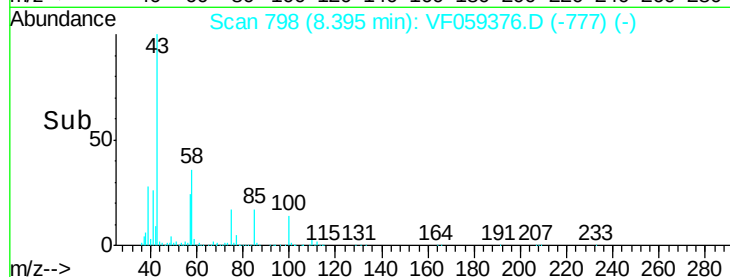
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 46.860 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059376.D

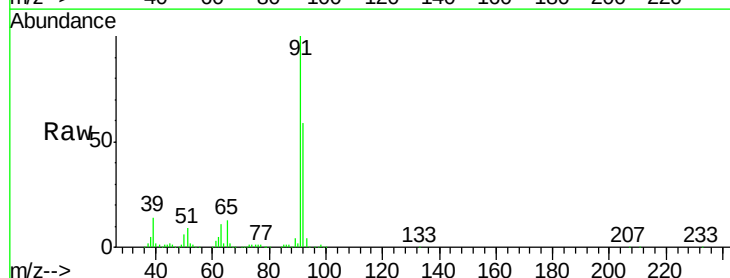
Acq: 29 Jun 2018 14:13

Tgt Ion: 92 Resp: 303022

Ion Ratio Lower Upper

92 100

91 169.0 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

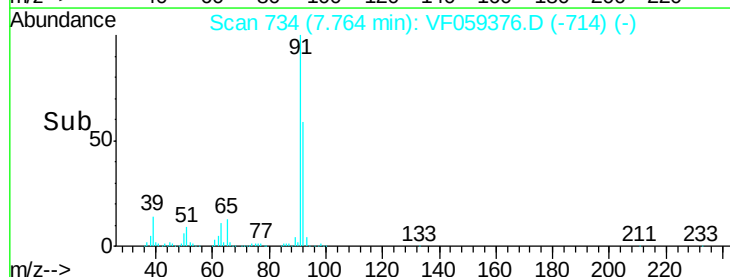
150000

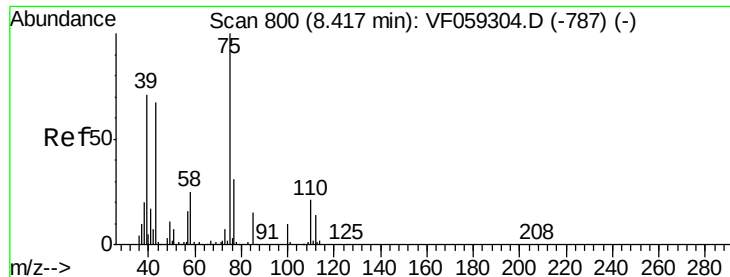
100000

50000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 48.877 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

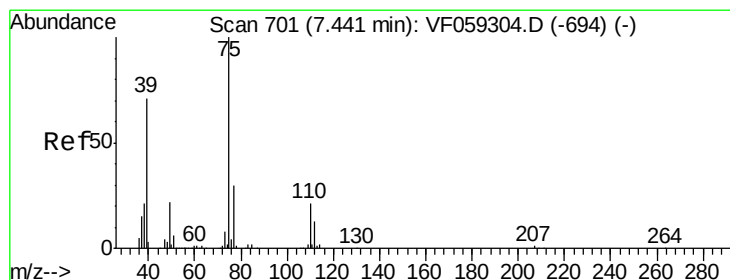
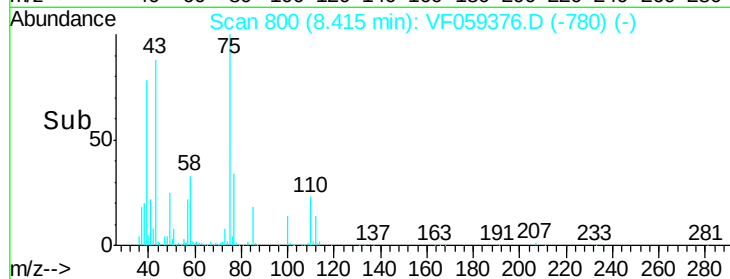
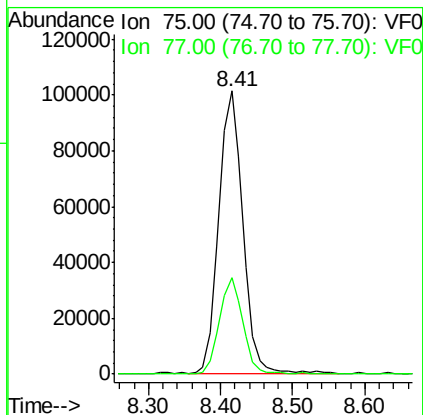
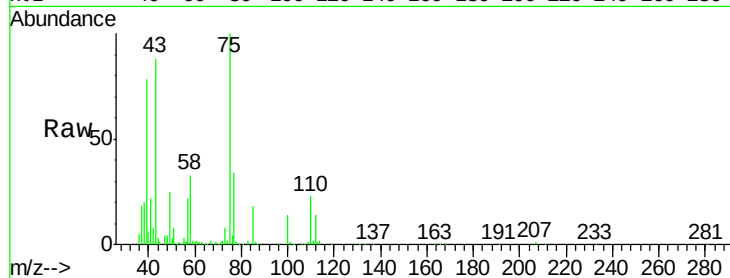
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 231117

Ion Ratio Lower Upper

75 100

77 34.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 50.271 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

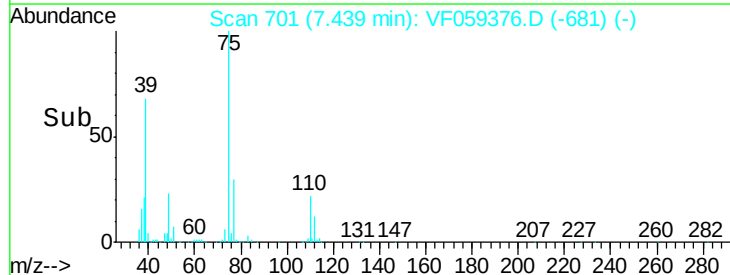
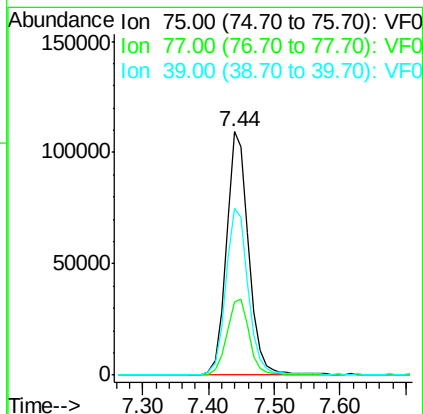
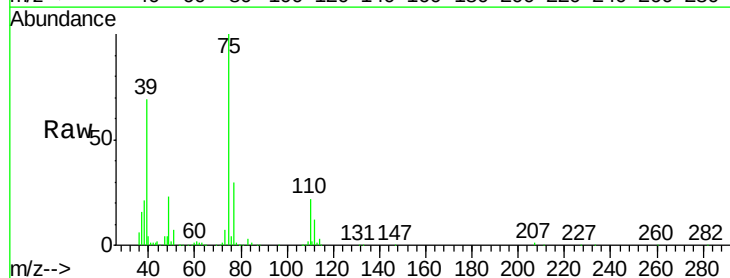
Tgt Ion: 75 Resp: 258203

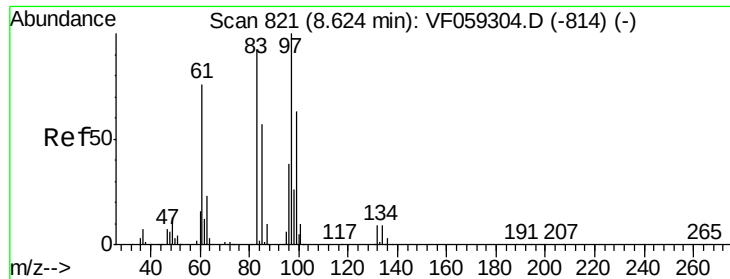
Ion Ratio Lower Upper

75 100

77 30.1 24.3 36.5

39 68.6 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 49.775 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 124972

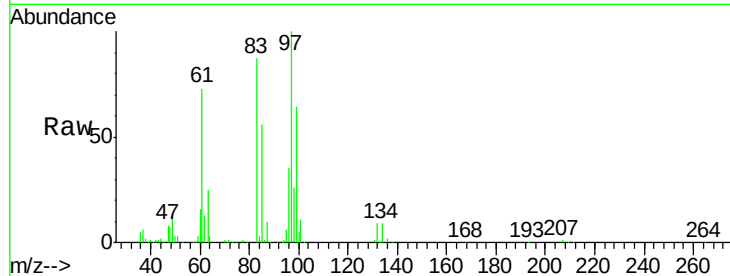
Ion Ratio Lower Upper

97 100

83 87.3 73.8 110.8

85 56.4 45.5 68.3

99 64.5 50.7 76.1

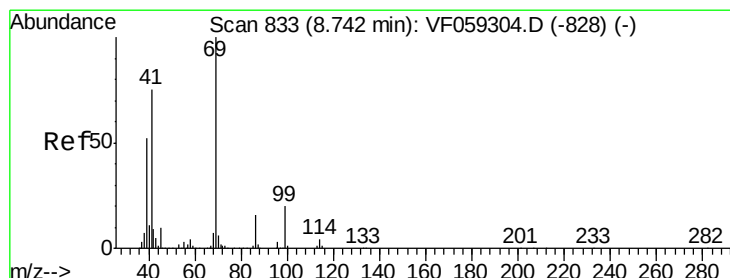
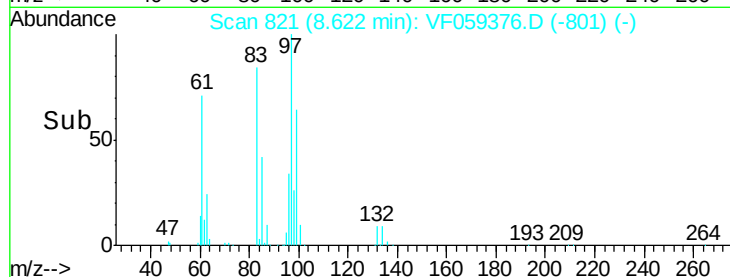
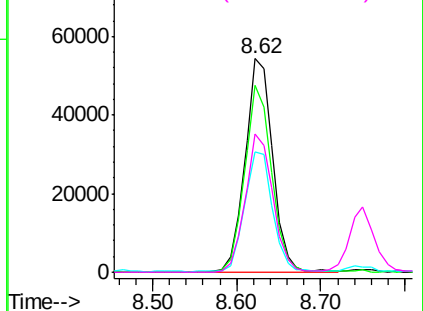


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.210 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

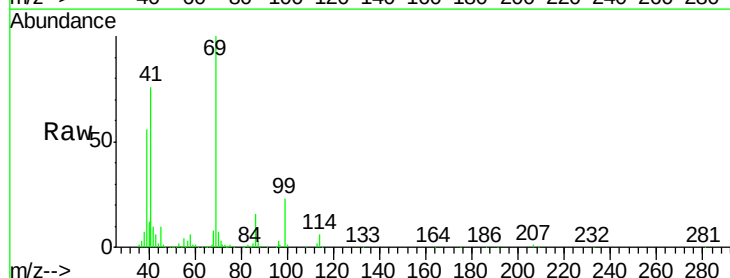
Tgt Ion: 69 Resp: 159275

Ion Ratio Lower Upper

69 100

41 75.9 60.3 90.5

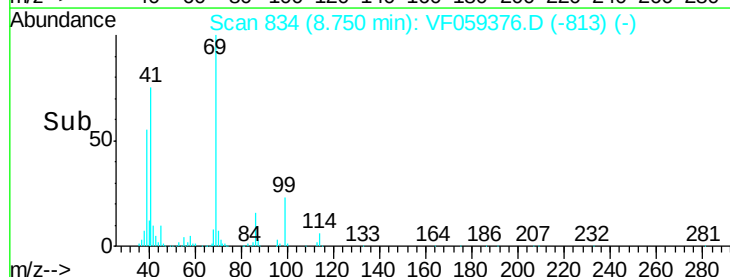
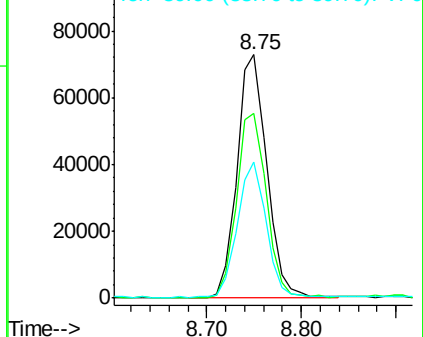
39 55.7 42.2 63.4

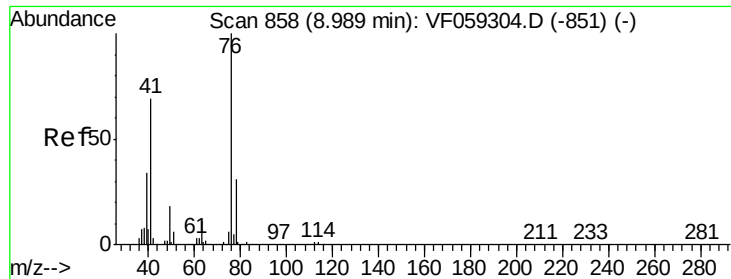


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.488 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

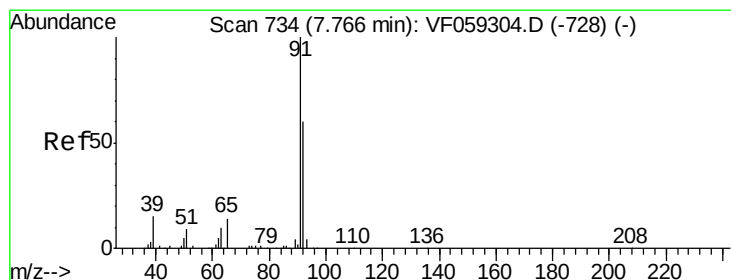
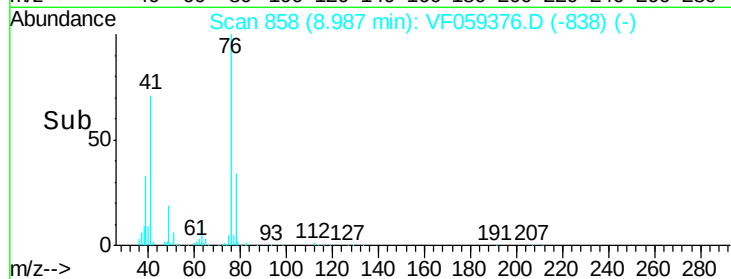
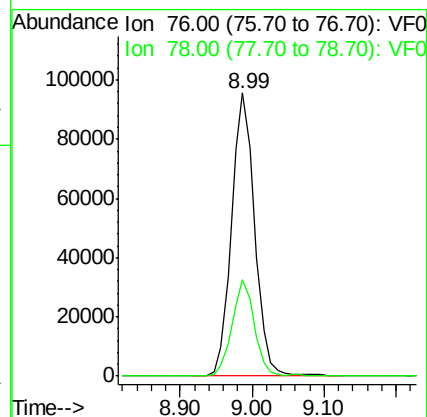
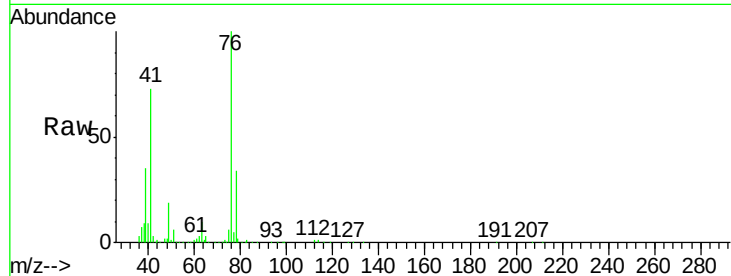
ClientSampleId :

Tot Ion: 76 Resp: 213096

Ion Ratio Lower Upper

76 100

78 34.2 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 235.161 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059376.D

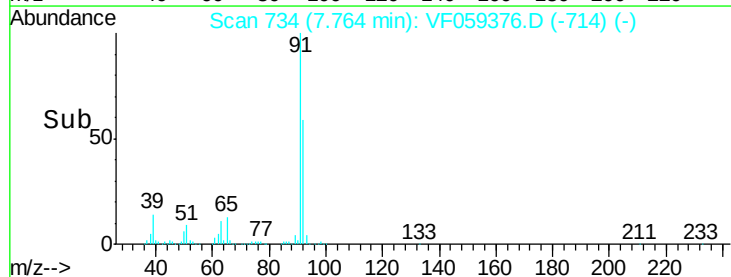
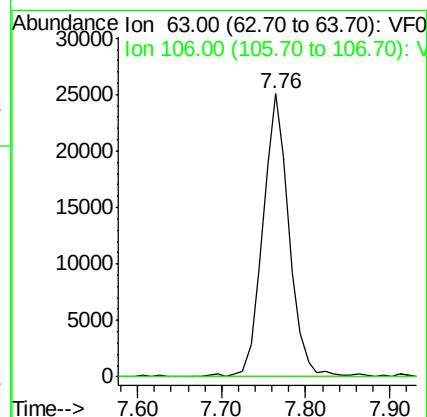
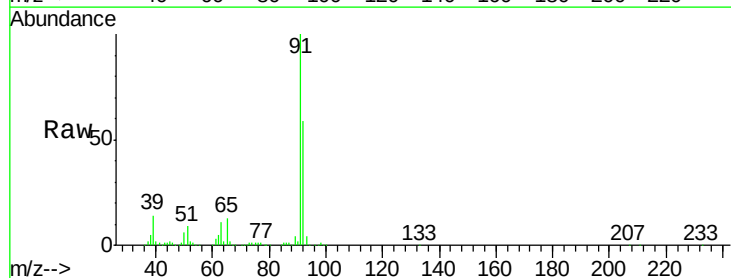
Acq: 29 Jun 2018 14:13

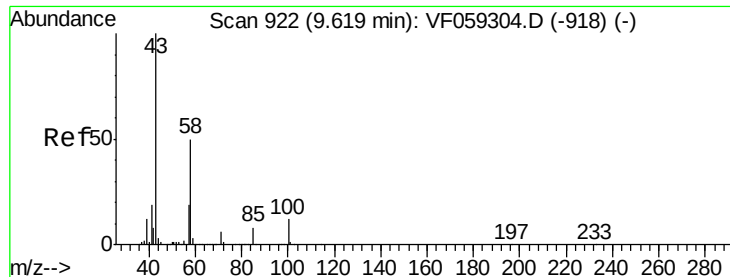
Tgt Ion: 63 Resp: 54855

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

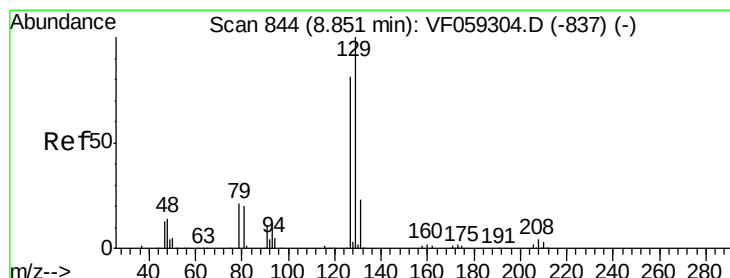
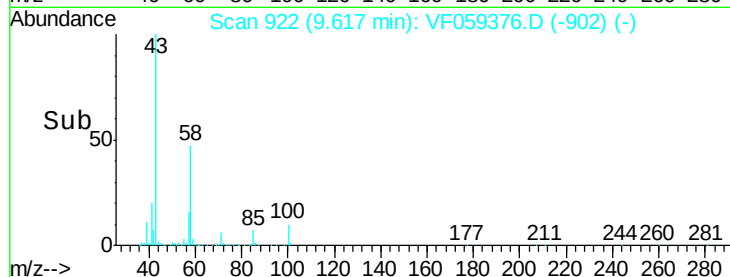
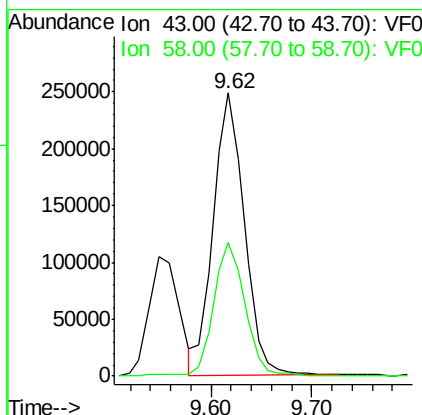
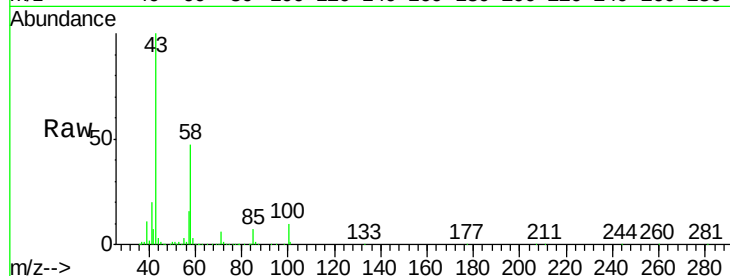




#59
2-Hexanone
Concen: 299.334 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

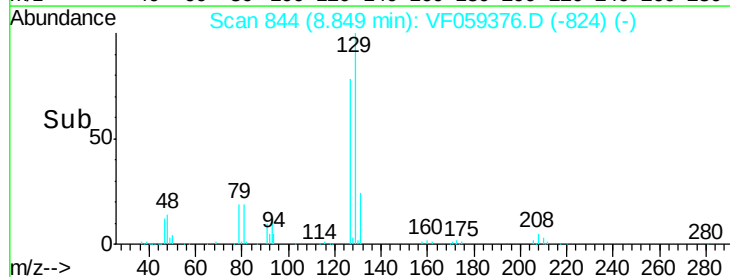
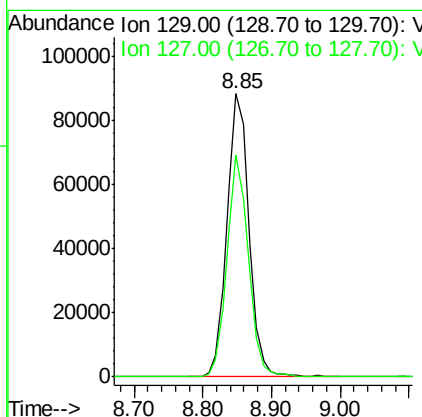
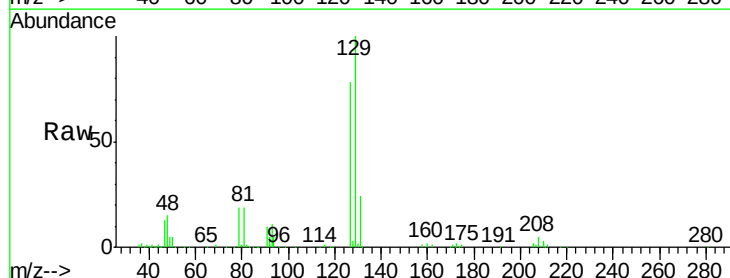
Instrument :
MSVOA_F
ClientSampled :

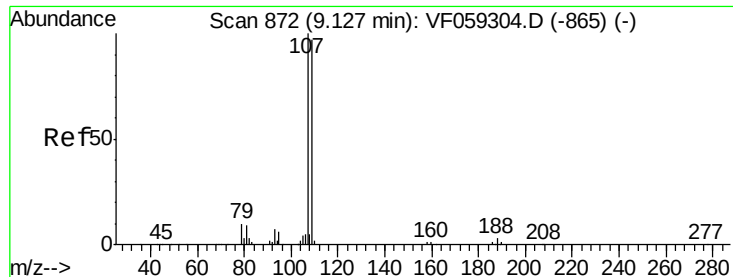
Tot Ion: 43 Resp: 534855
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9



#60
Dibromochloromethane
Concen: 50.544 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 129 Resp: 195918
Ion Ratio Lower Upper
129 100
127 78.3 40.7 122.1

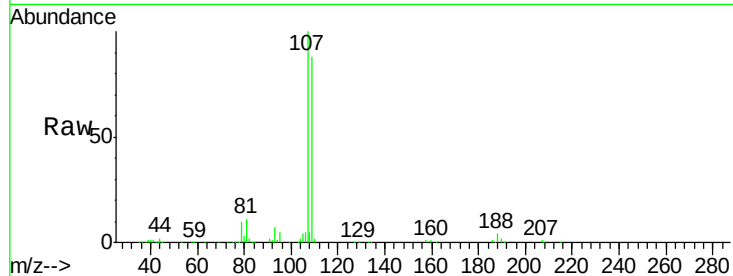




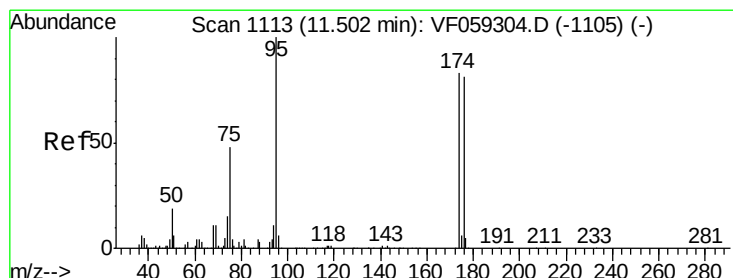
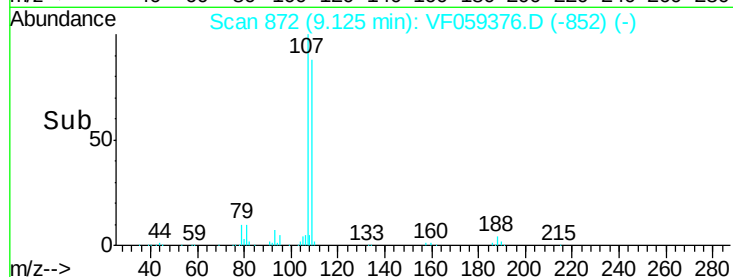
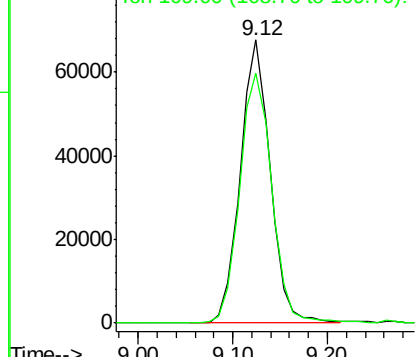
#61
 1,2-Dibromoethane
 Concen: 48.566 ug/l
 RT: 9.12 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:107 Resp: 147884
 Ion Ratio Lower Upper
 107 100
 109 88.2 77.3 115.9

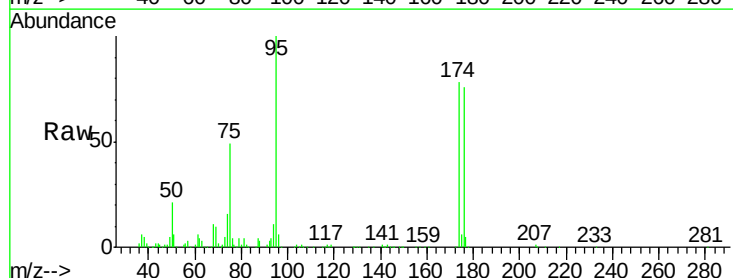


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

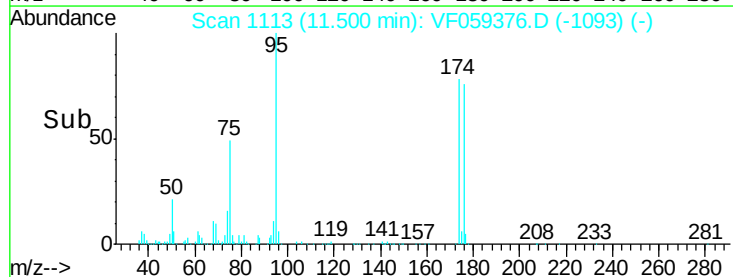
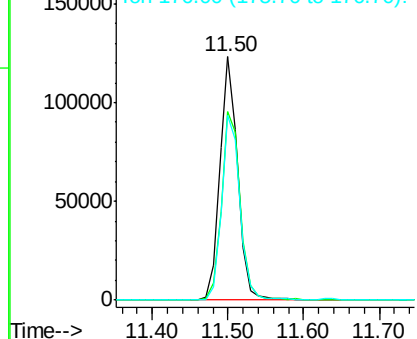


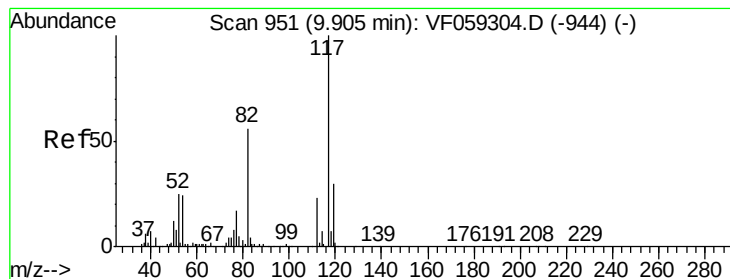
#62
 4-Bromofluorobenzene
 Concen: 44.861 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

Tgt Ion: 95 Resp: 204257
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 165.2
 176 75.9 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

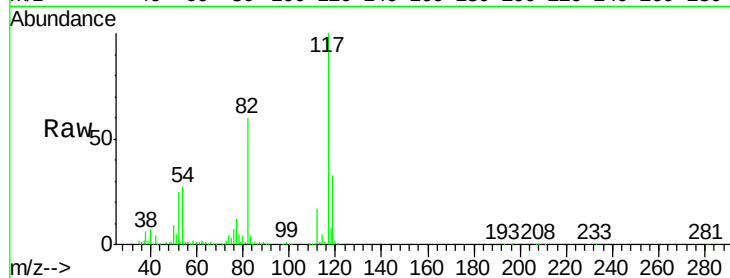
Tot Ion:117 Resp: 445802

Ion Ratio Lower Upper

117 100

82 60.3 44.6 66.8

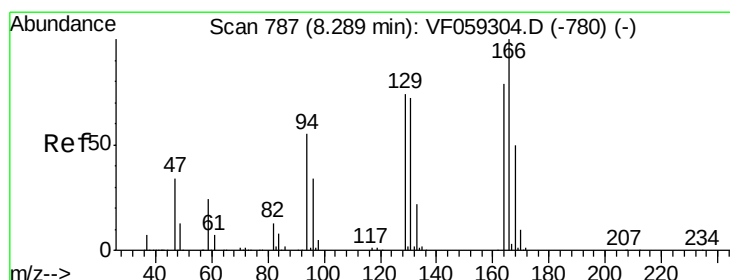
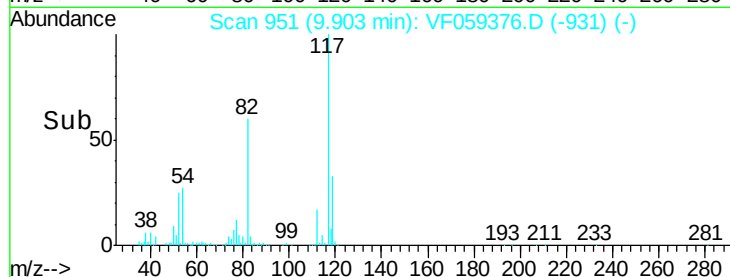
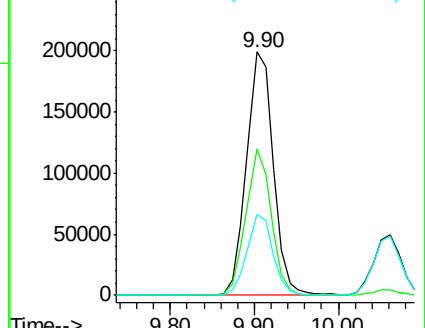
119 33.3 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 46.756 ug/l

RT: 8.30 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Tgt Ion:164 Resp: 135190

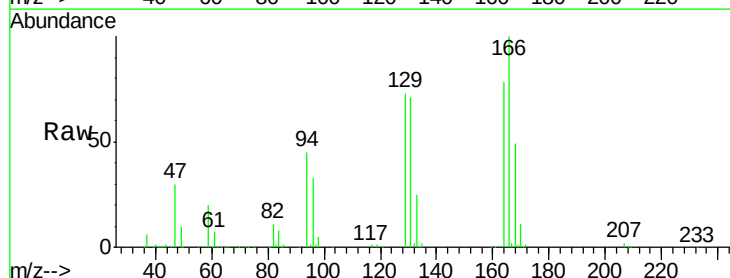
Ion Ratio Lower Upper

164 100

166 128.5 101.1 151.7

129 94.3 75.0 112.4

131 90.6 73.3 109.9

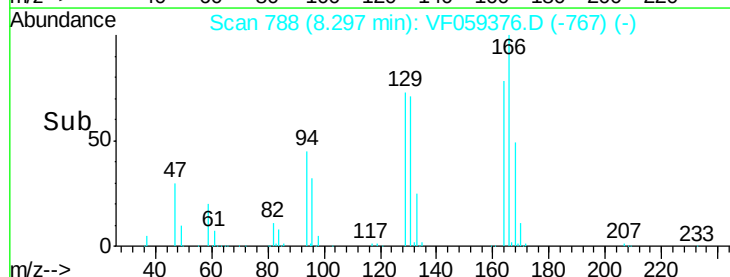
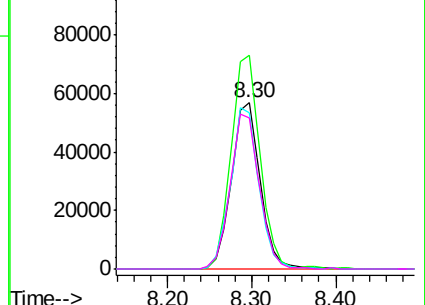


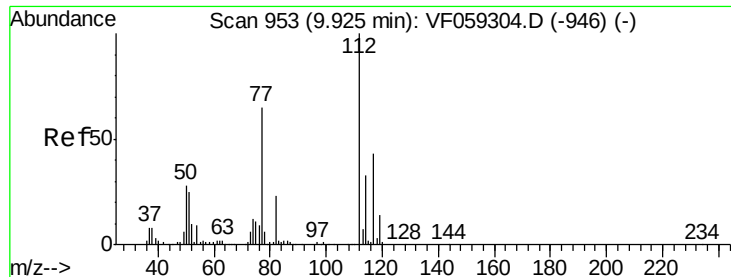
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

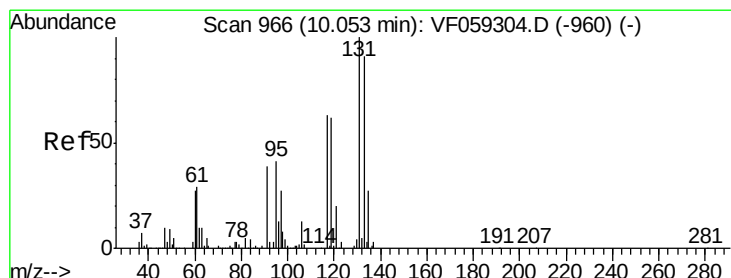
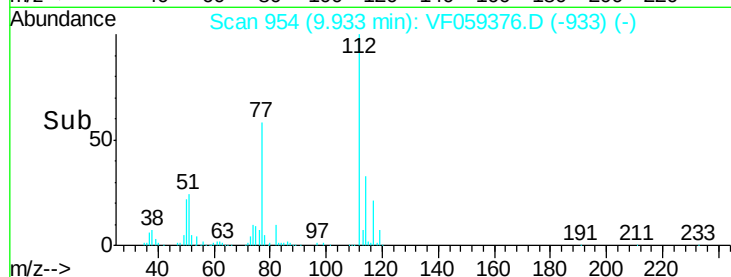
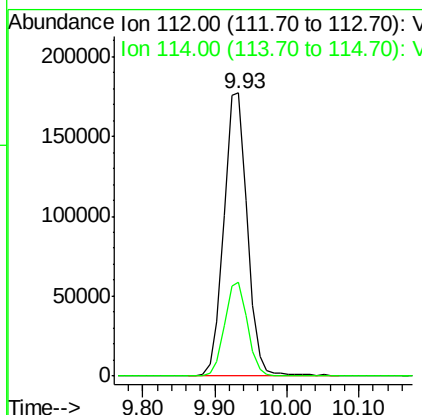
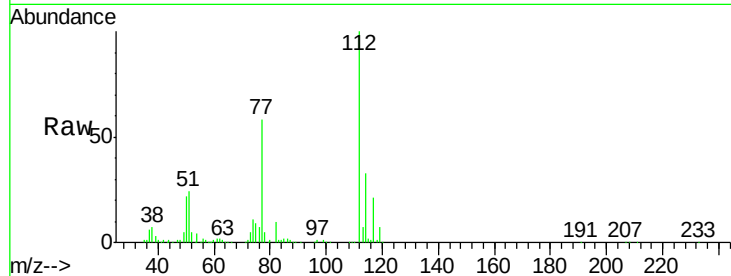




#65
Chlorobenzene
Concen: 48.353 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

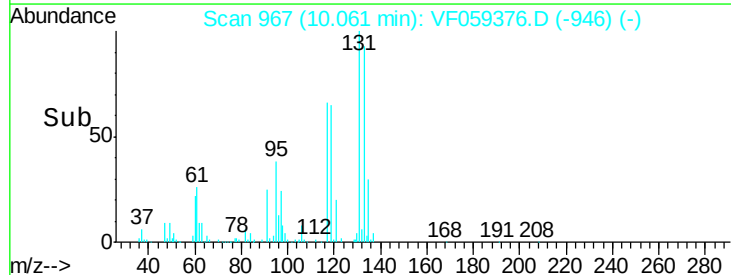
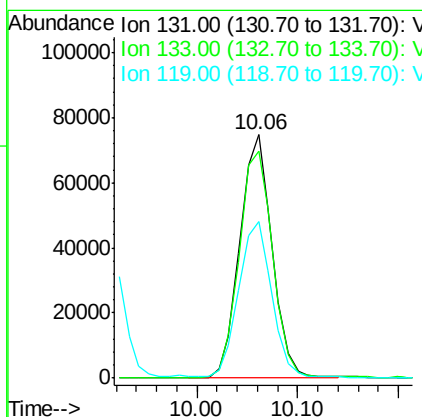
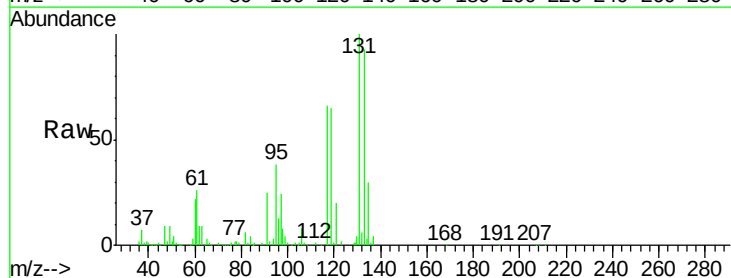
Instrument :
MSVOA_F
ClientSampleId :

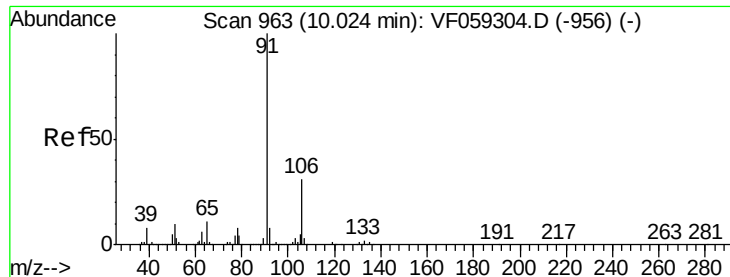
Tot Ion:112 Resp: 399434
Ion Ratio Lower Upper
112 100
114 33.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 46.643 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion:131 Resp: 166648
Ion Ratio Lower Upper
131 100
133 93.1 45.3 135.9
119 64.5 31.3 93.9

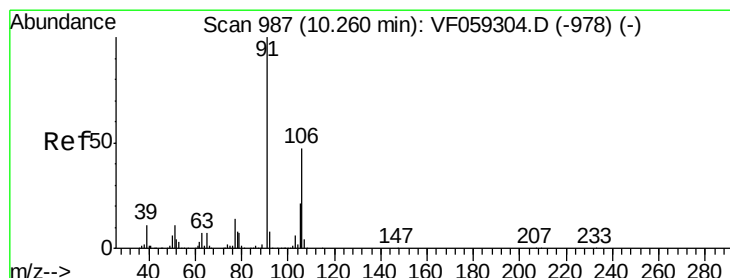
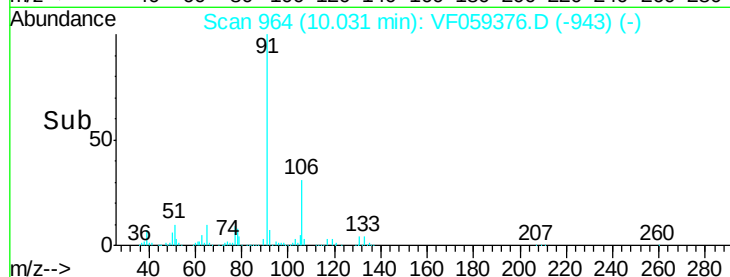
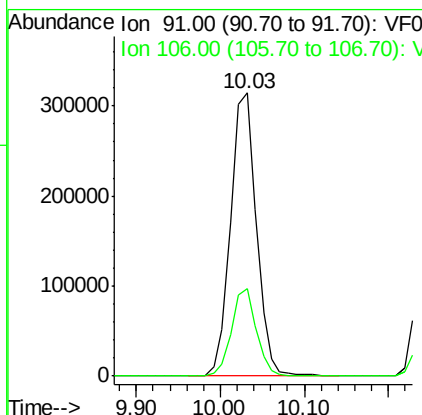
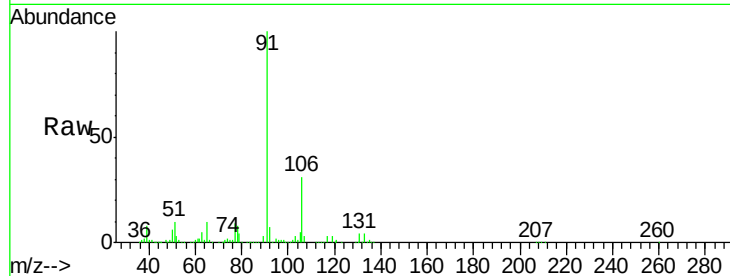




#67
Ethyl Benzene
Concen: 48.152 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

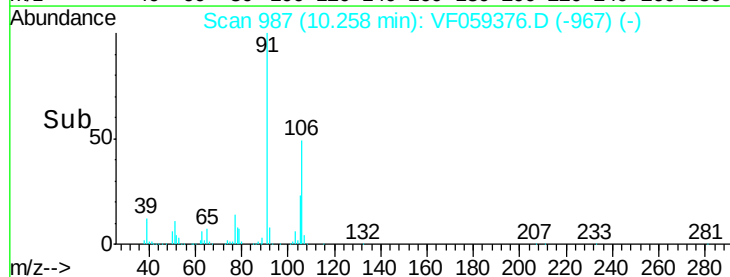
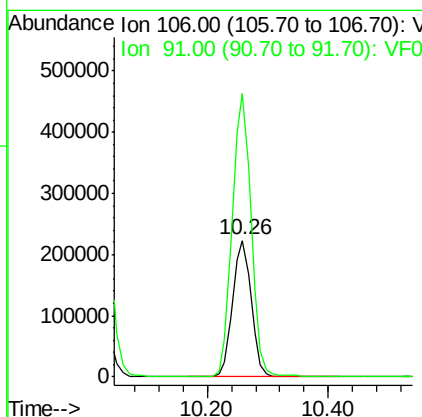
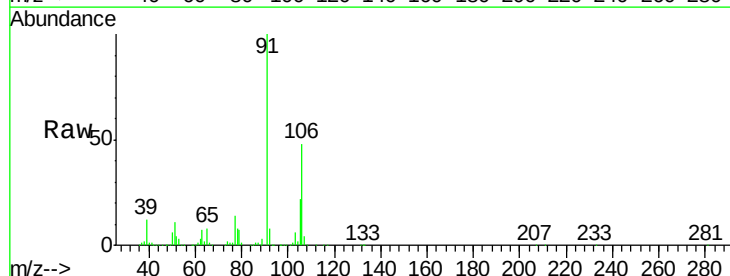
Instrument :
MSVOA_F
ClientSampleId :

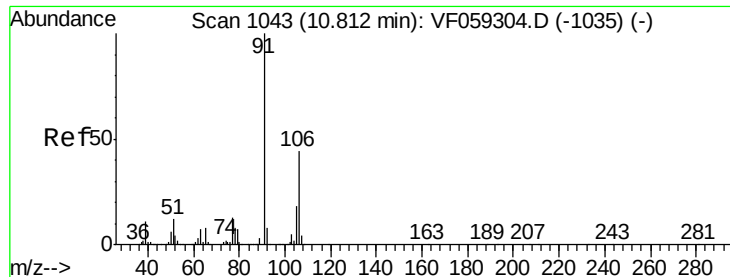
Tot Ion: 91 Resp: 674797
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2



#68
m/p-Xylenes
Concen: 96.291 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 106 Resp: 480290
Ion Ratio Lower Upper
106 100
91 207.5 170.8 256.2

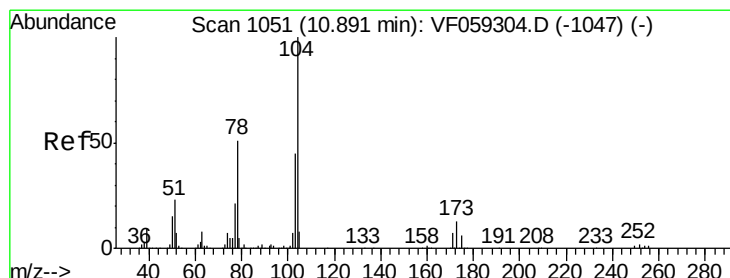
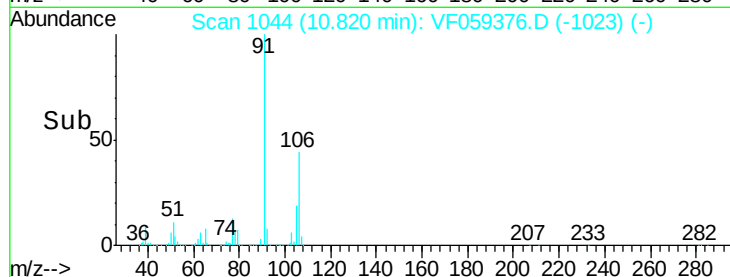
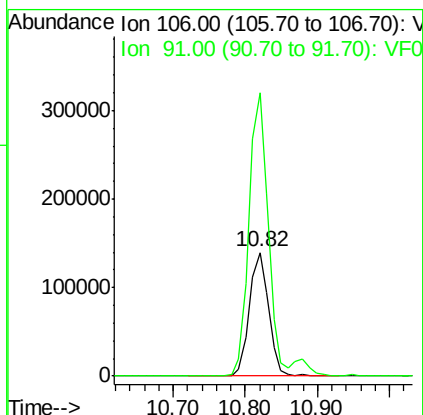
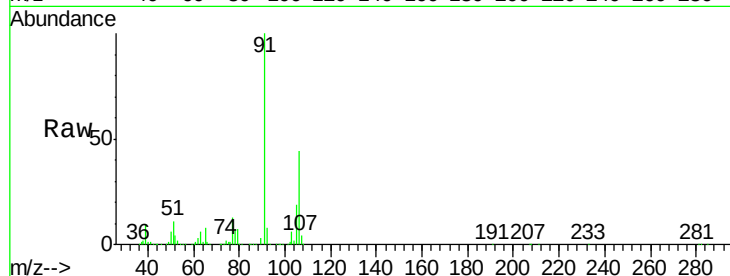




#69
o-Xylene
Concen: 47.128 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

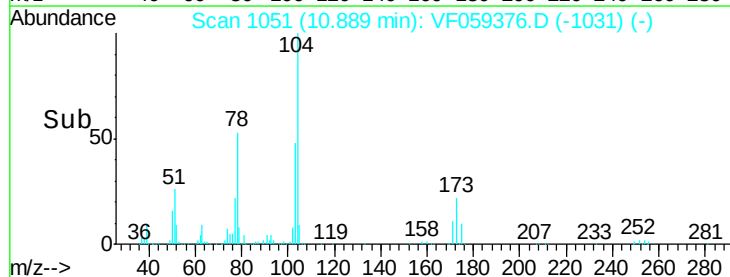
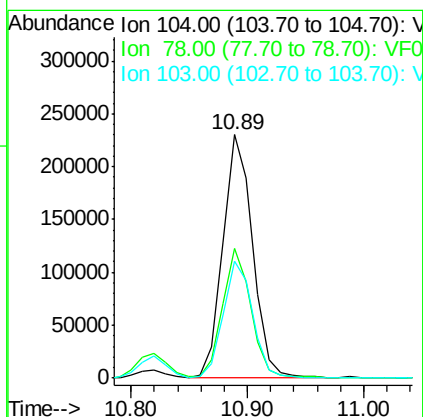
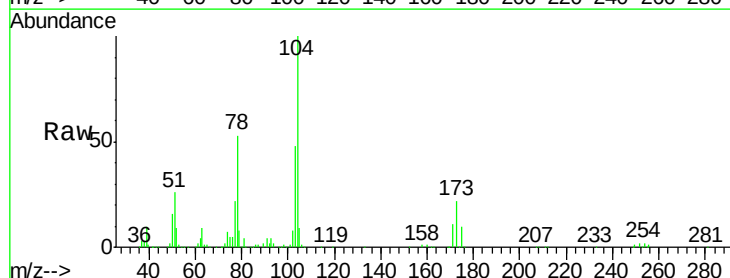
Instrument :
MSVOA_F
ClientSampled :

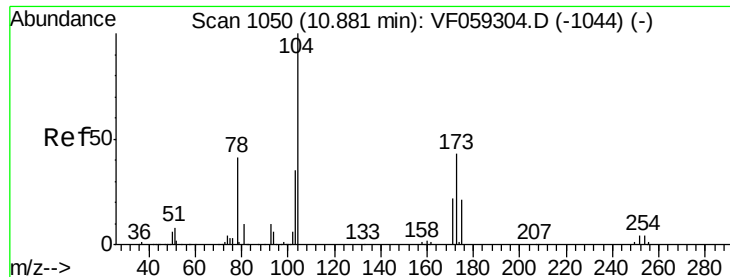
Tot Ion:106 Resp: 262931
Ion Ratio Lower Upper
106 100
91 229.1 114.6 343.6



#70
Styrene
Concen: 47.552 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion:104 Resp: 404124
Ion Ratio Lower Upper
104 100
78 53.2 40.9 61.3
103 48.0 36.5 54.7





#71

Bromoform

Concen: 51.645 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampled :

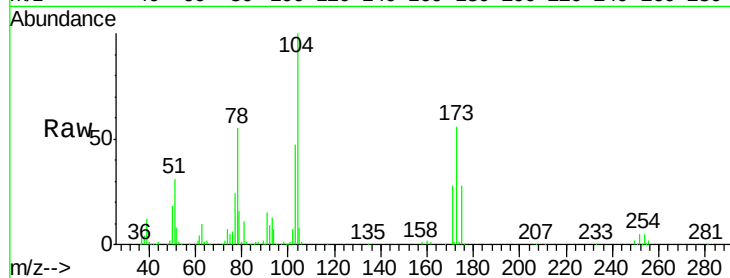
Tot Ion:173 Resp: 126472

Ion Ratio Lower Upper

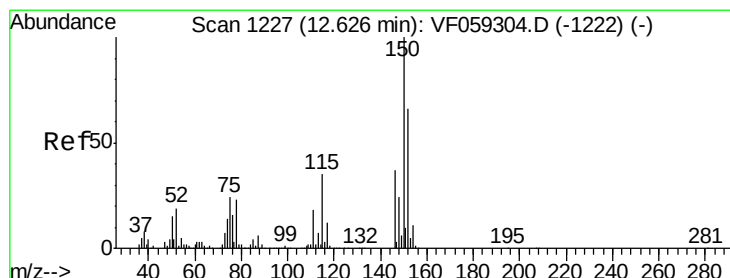
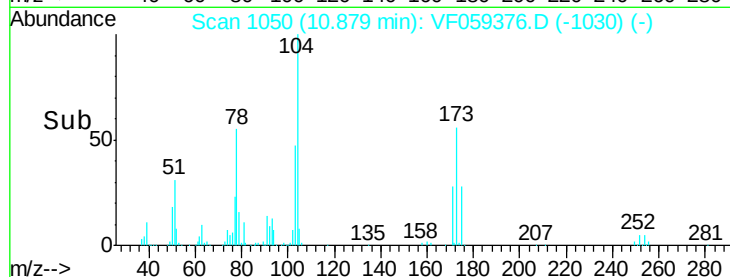
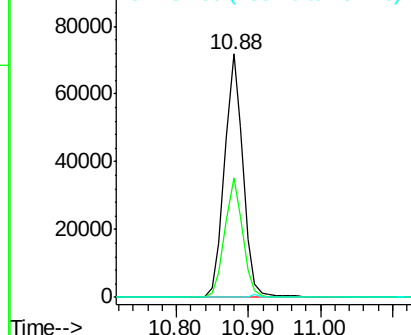
173 100

175 48.2 24.8 74.3

254 0.3 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

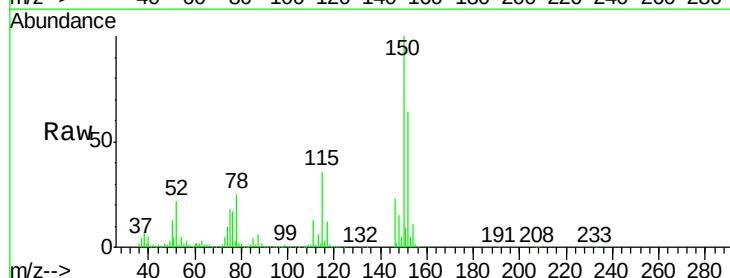
Tgt Ion:152 Resp: 265035

Ion Ratio Lower Upper

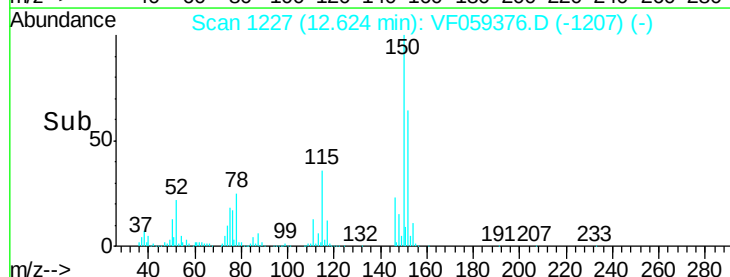
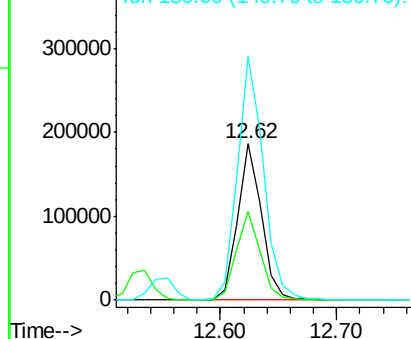
152 100

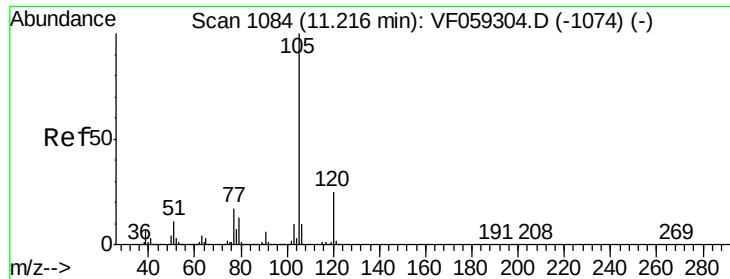
115 56.7 27.1 81.3

150 155.6 0.0 305.2



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: 50.333 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

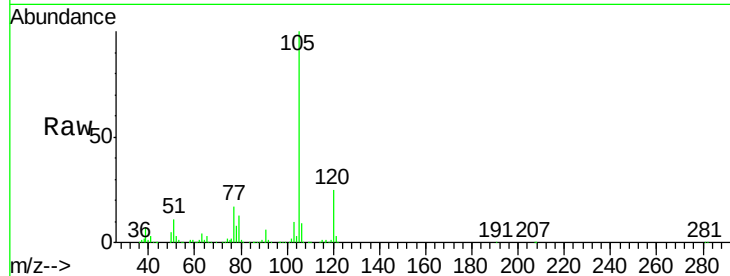
ClientSampleId :

Tot Ion:105 Resp: 777158

Ion Ratio Lower Upper

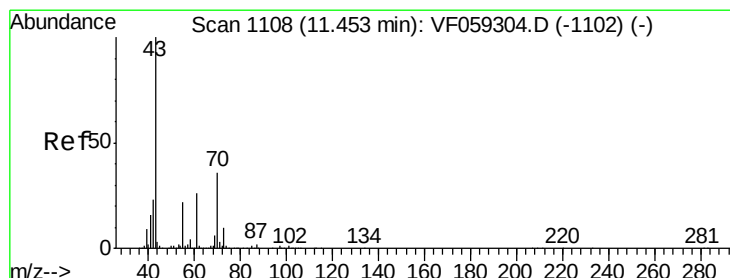
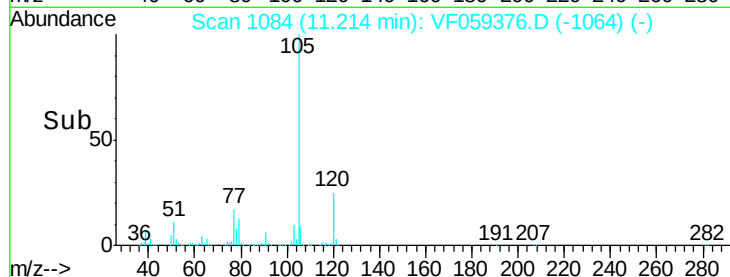
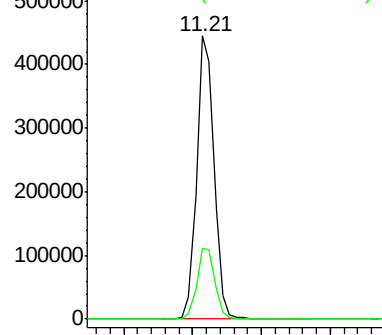
105 100

120 25.0 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.078 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Tgt Ion: 43 Resp: 297401

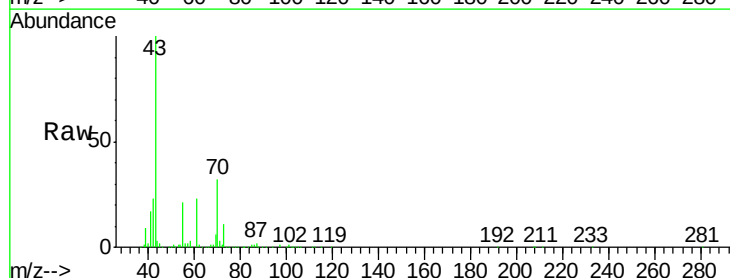
Ion Ratio Lower Upper

43 100

70 32.3 28.8 43.2

55 21.5 17.4 26.0

61 22.7 21.1 31.7

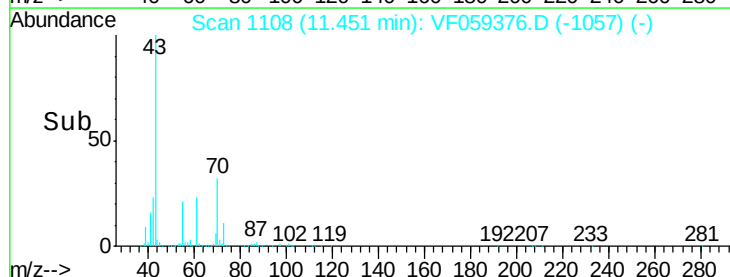
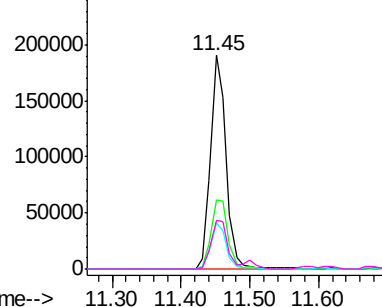


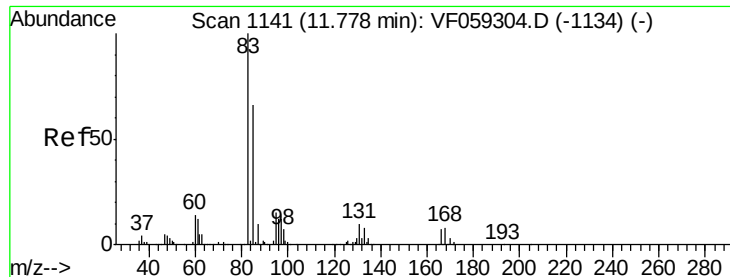
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 50.007 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

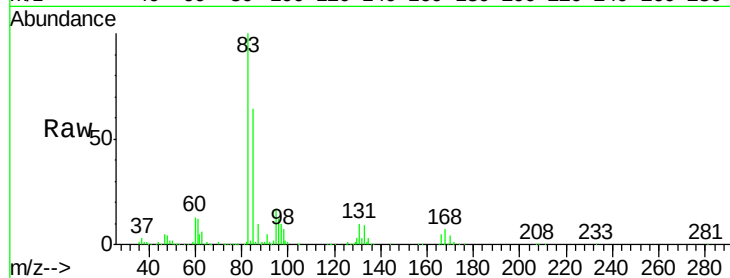
Tot Ion: 83 Resp: 195003

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

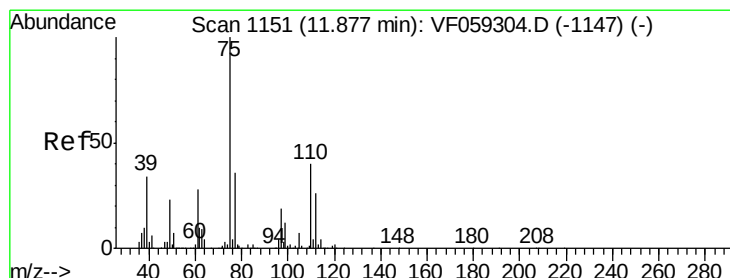
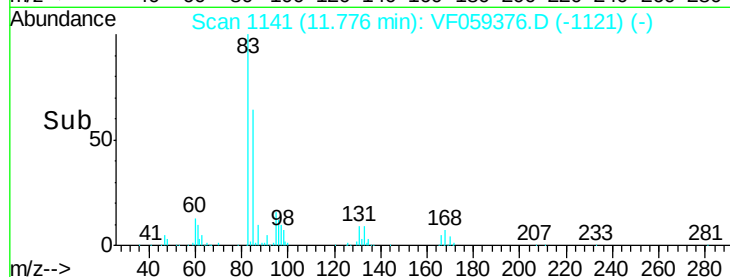
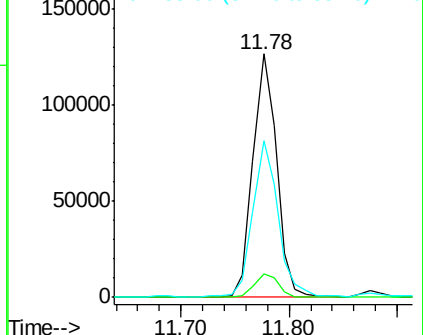
85 64.4 32.8 98.4



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: 49.991 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059376.D

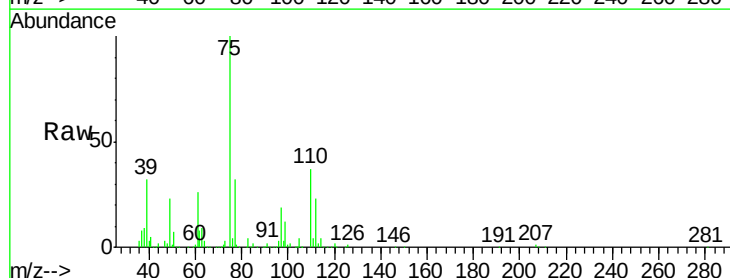
Acq: 29 Jun 2018 14:13

Tgt Ion: 75 Resp: 147050

Ion Ratio Lower Upper

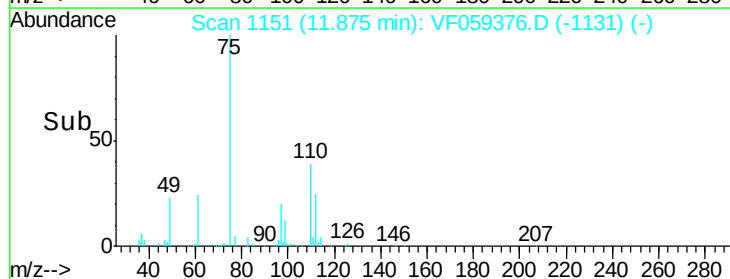
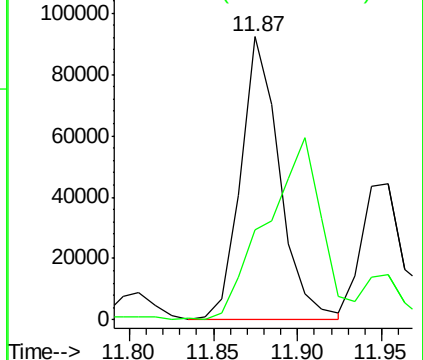
75 100

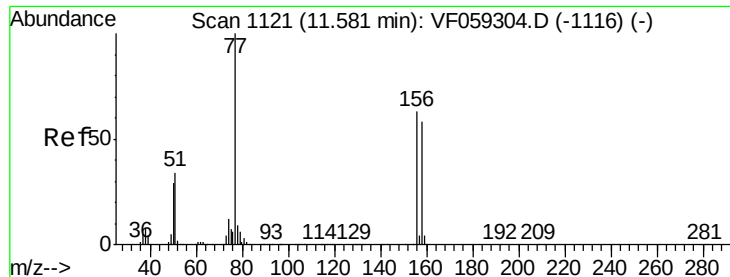
77 31.9 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.806 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

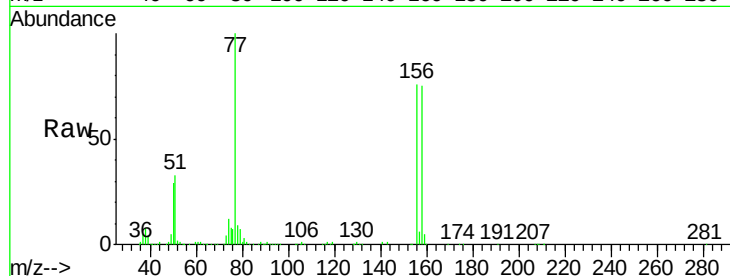
Tot Ion:156 Resp: 204791

Ion Ratio Lower Upper

156 100

77 132.2 79.7 238.9

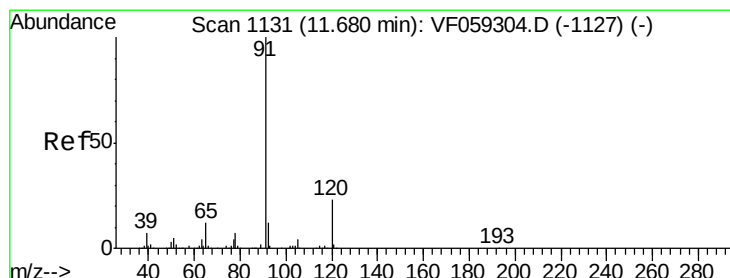
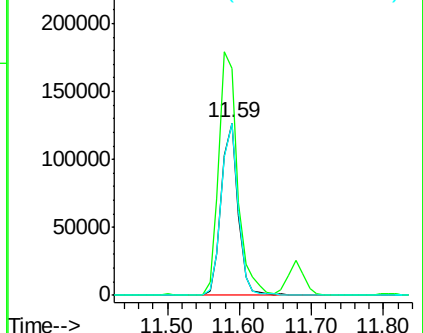
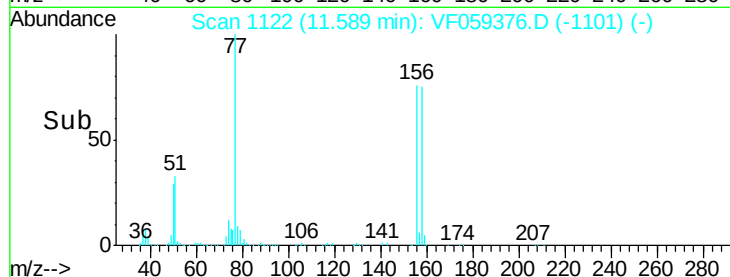
158 99.6 46.2 138.6



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: 48.823 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059376.D

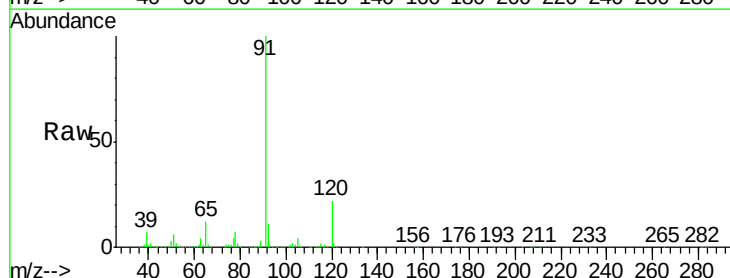
Acq: 29 Jun 2018 14:13

Tgt Ion: 91 Resp: 905326

Ion Ratio Lower Upper

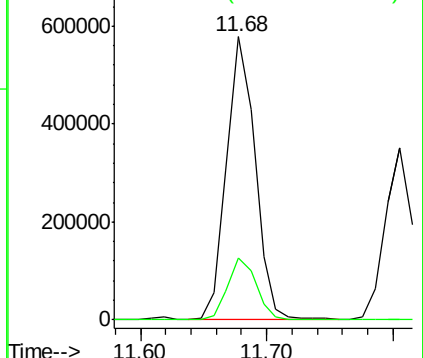
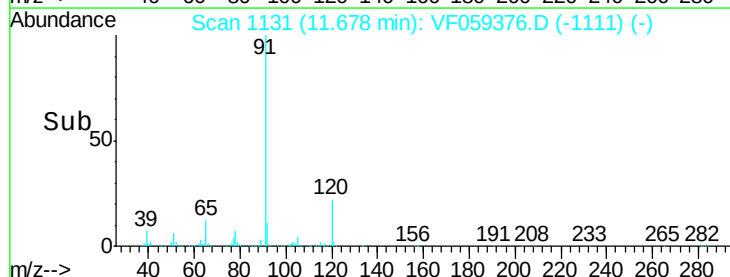
91 100

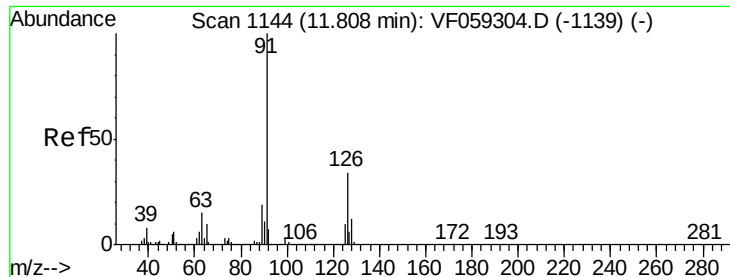
120 22.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.075 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

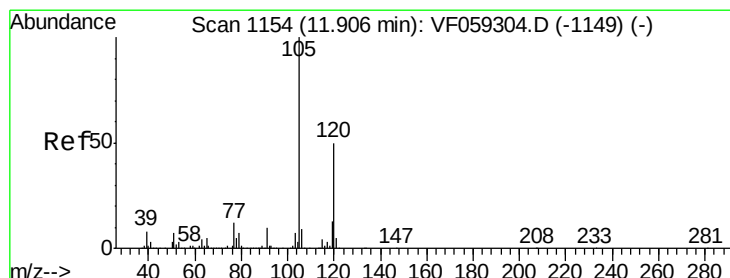
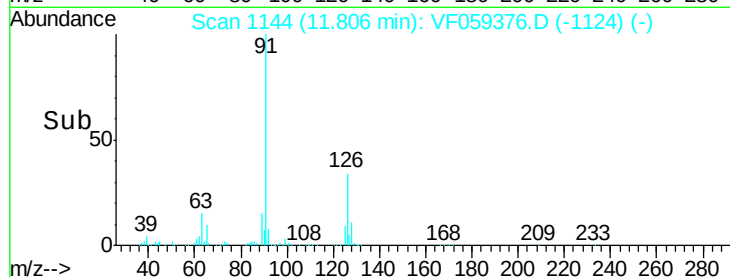
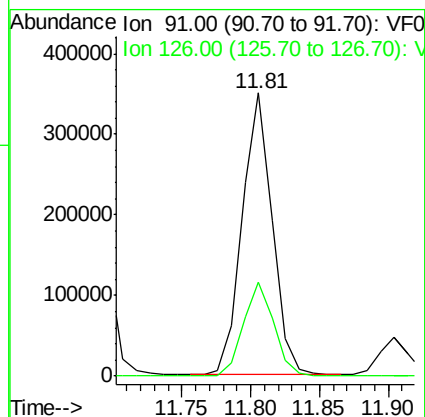
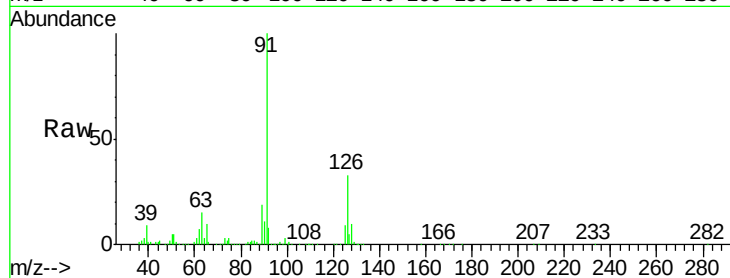
ClientSampleId :

Tot Ion: 91 Resp: 533311

Ion Ratio Lower Upper

91 100

126 33.4 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 48.229 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059376.D

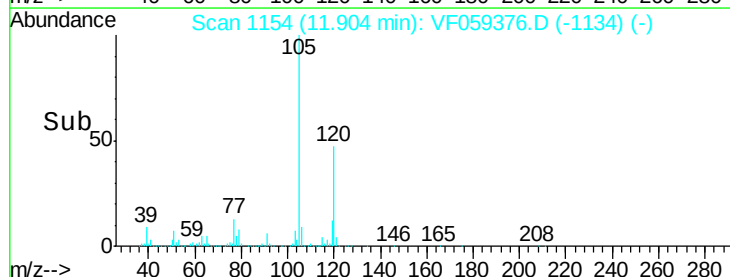
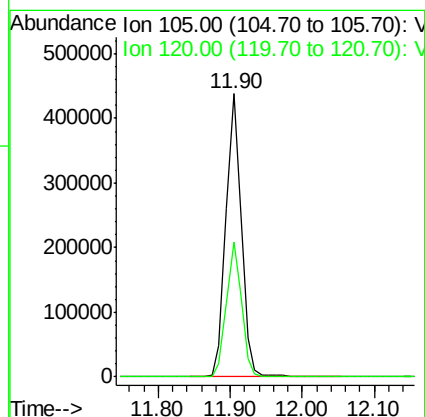
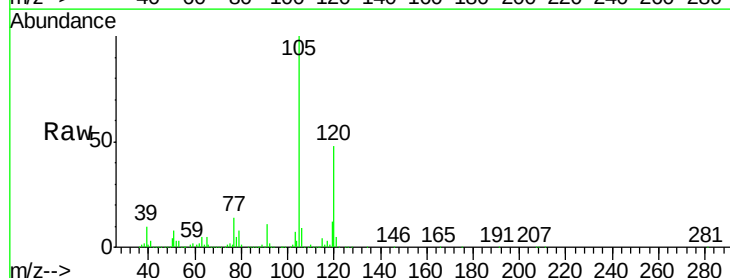
Acq: 29 Jun 2018 14:13

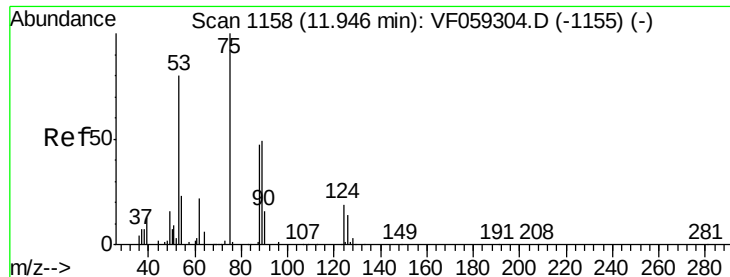
Tgt Ion:105 Resp: 652311

Ion Ratio Lower Upper

105 100

120 47.7 24.9 74.7

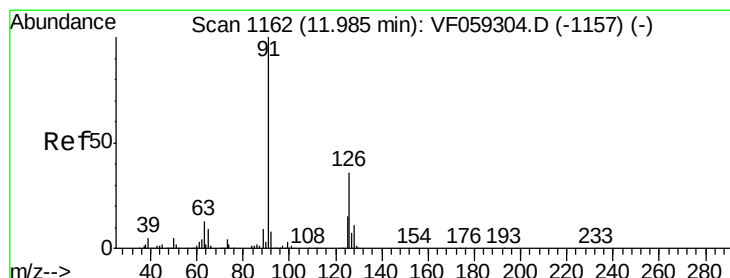
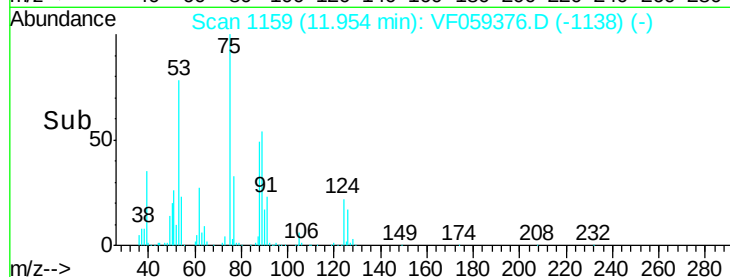
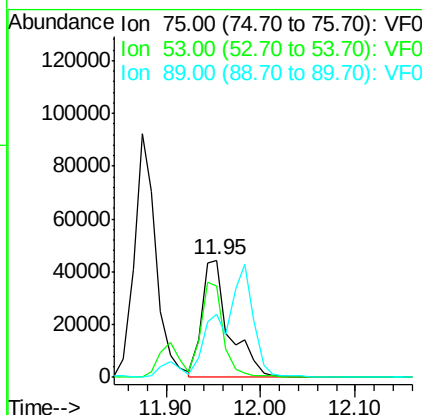
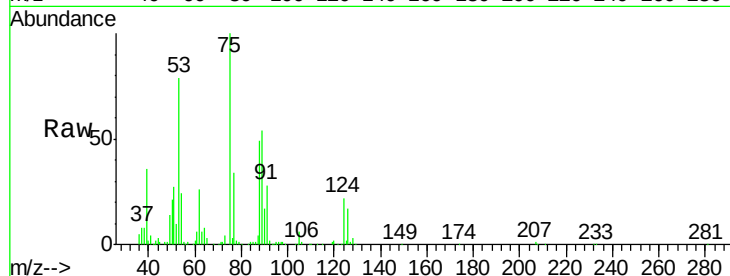




#81
trans-1,4-Dichloro-2-butene
Concen: 52.752 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.01 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

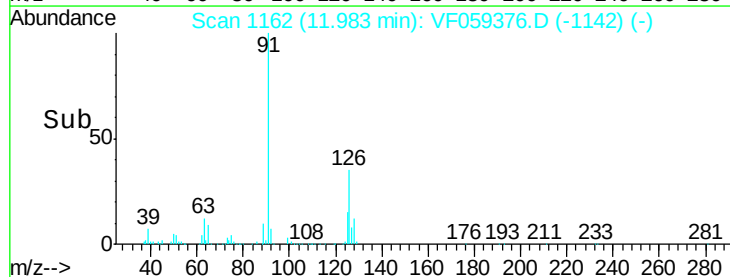
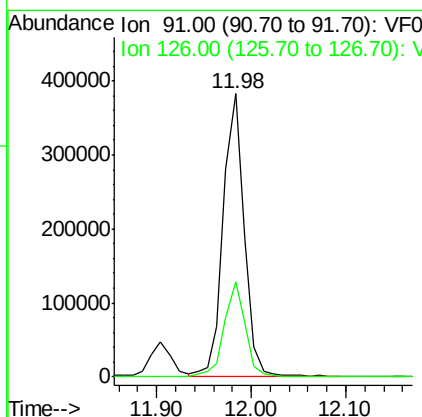
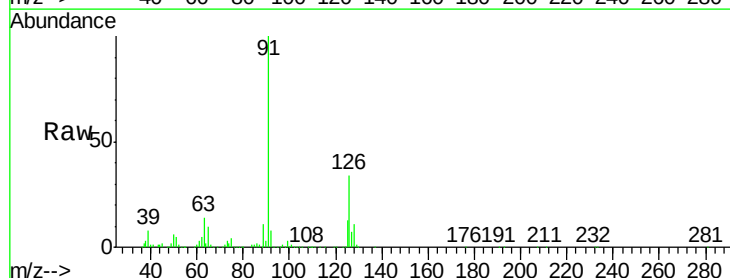
Instrument :
MSVOA_F
ClientSampled :

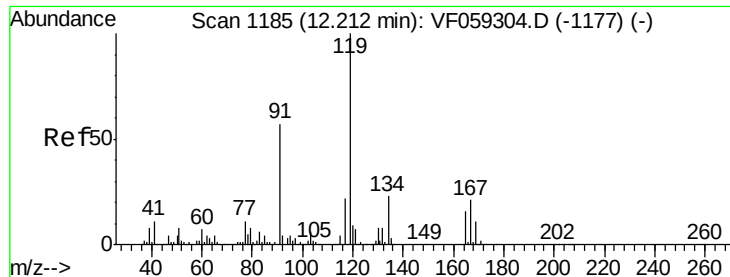
Tot Ion: 75 Resp: 92354
Ion Ratio Lower Upper
75 100
53 78.5 68.8 103.2
89 54.3 42.0 63.0



#82
4-Chlorotoluene
Concen: 48.591 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion: 91 Resp: 589631
Ion Ratio Lower Upper
91 100
126 33.8 18.2 54.6





#83

tert-Butylbenzene

Concen: 48.768 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampled :

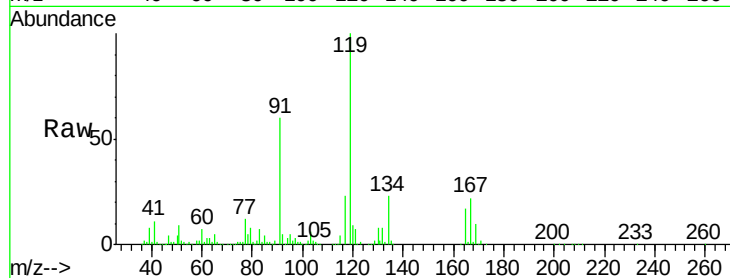
Tot Ion:119 Resp: 659696

Ion Ratio Lower Upper

119 100

91 60.4 28.4 85.2

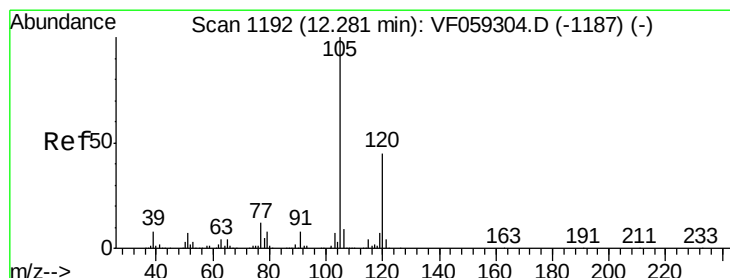
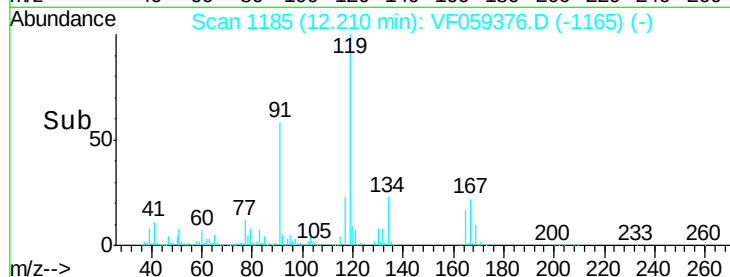
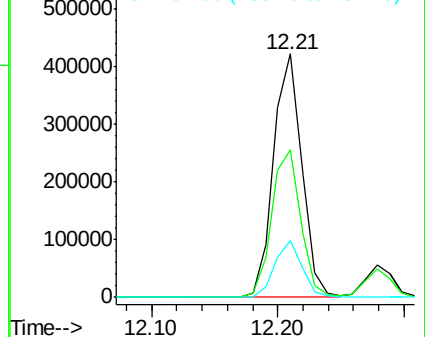
134 23.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.107 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059376.D

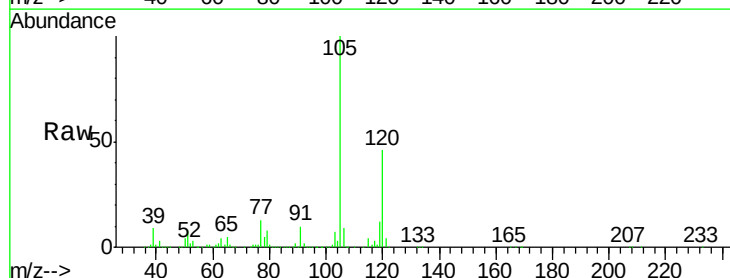
Acq: 29 Jun 2018 14:13

Tgt Ion:105 Resp: 685256

Ion Ratio Lower Upper

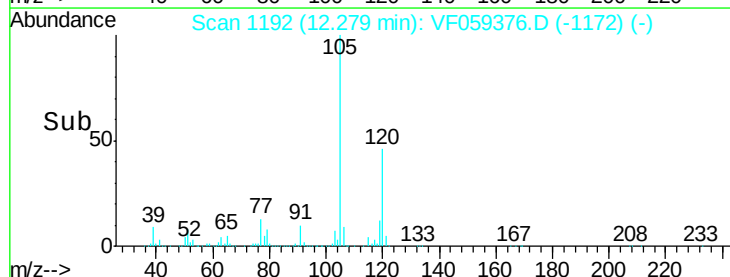
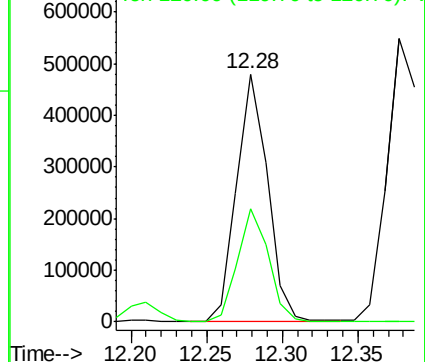
105 100

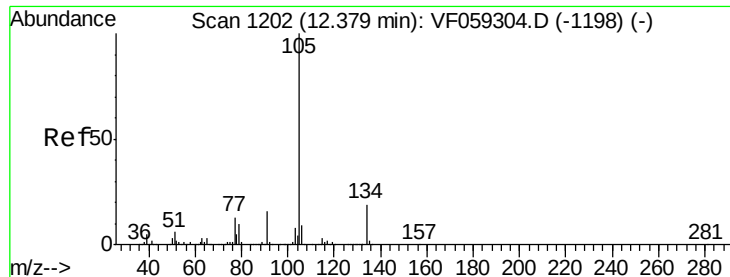
120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

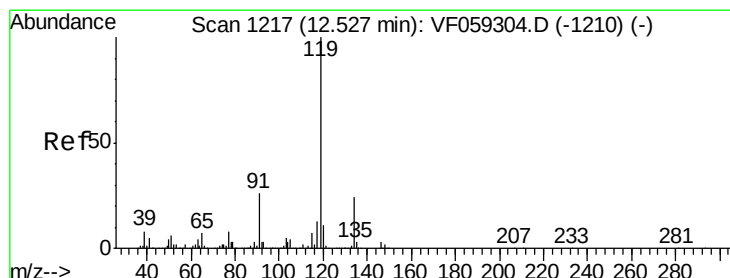
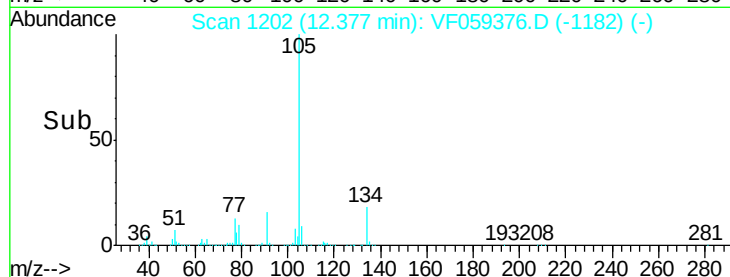
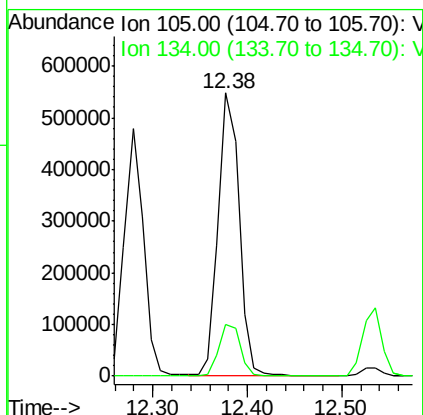
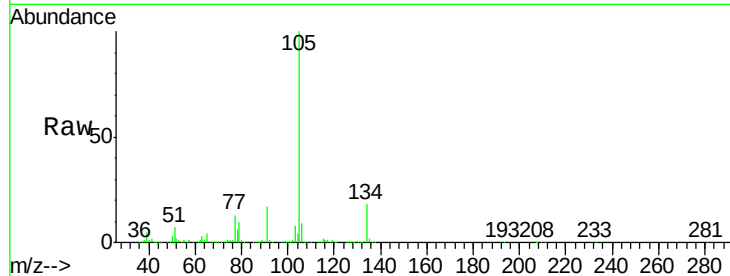




#85
 sec-Butylbenzene
 Concen: 47.459 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

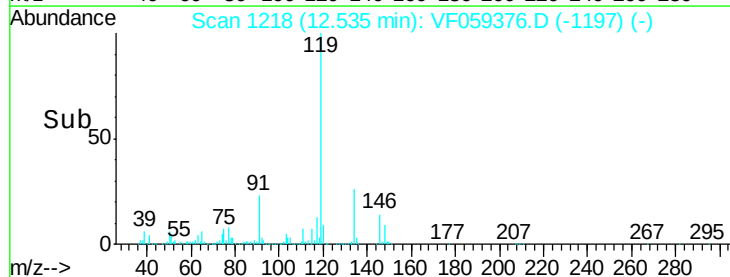
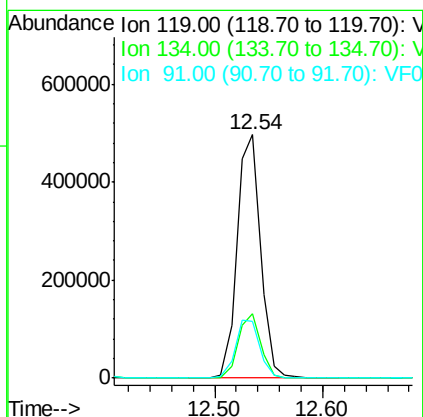
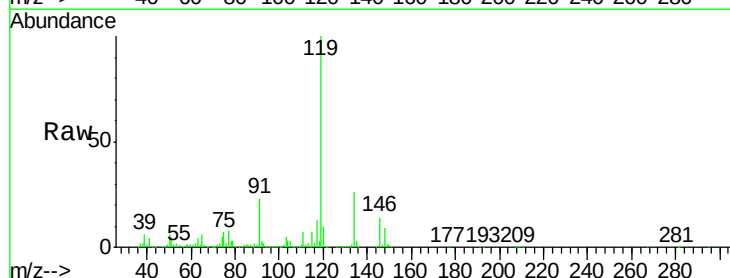
Instrument :
 MSVOA_F
 ClientSampled :

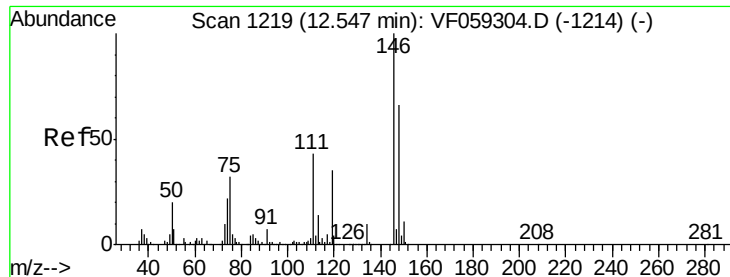
Tot Ion:105 Resp: 850973
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 49.863 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

Tgt Ion:119 Resp: 750335
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.2 36.4
 91 23.2 12.9 38.6

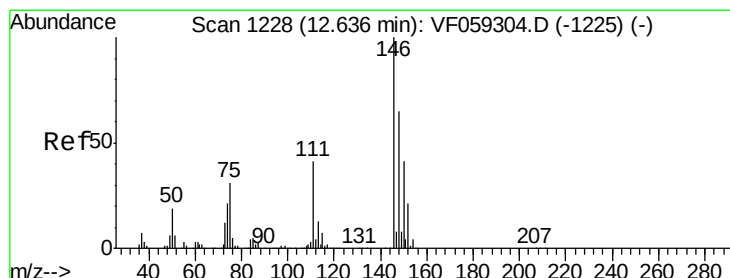
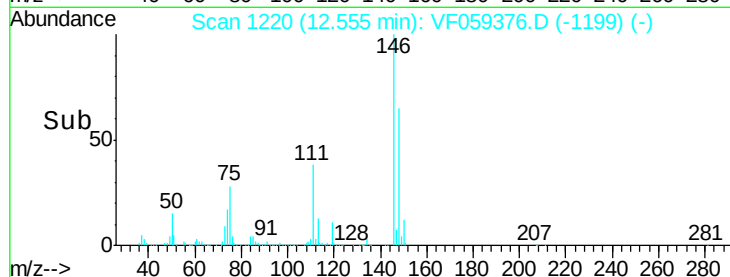
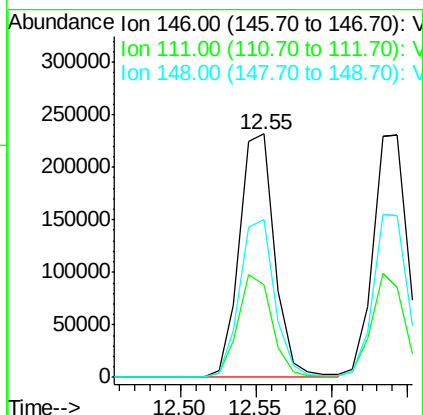
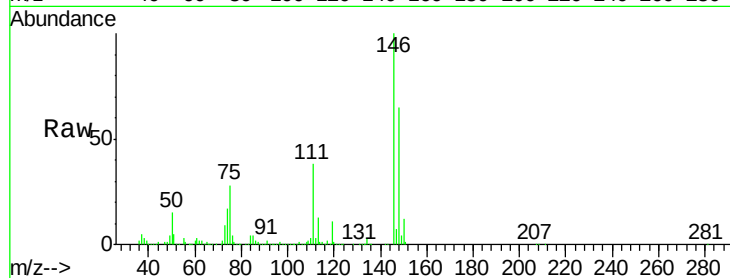




#87
 1,3-Dichlorobenzene
 Concen: 53.801 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

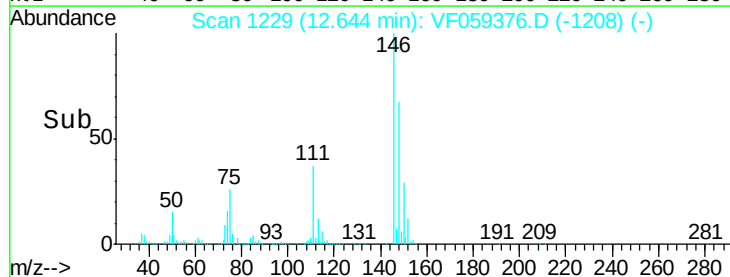
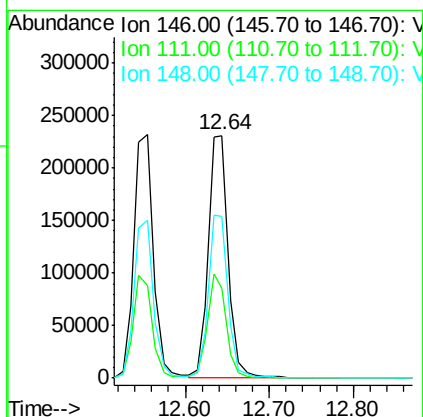
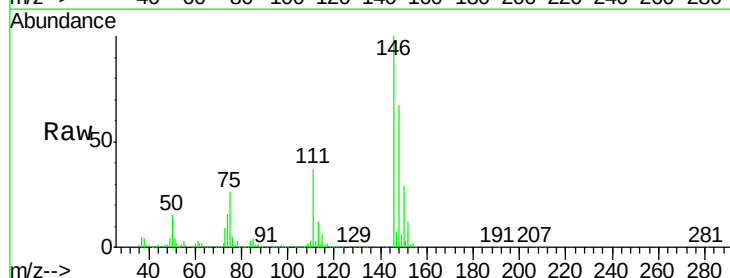
Instrument :
 MSVOA_F
 ClientSampleId :

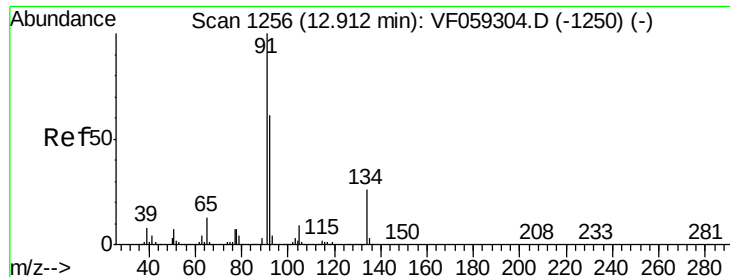
Tot Ion:146 Resp: 378042
 Ion Ratio Lower Upper
 146 100
 111 37.8 21.4 64.2
 148 64.9 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 49.280 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

Tgt Ion:146 Resp: 377007
 Ion Ratio Lower Upper
 146 100
 111 37.2 20.7 62.1
 148 66.6 32.8 98.3





#89

n-Butylbenzene

Concen: 47.763 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

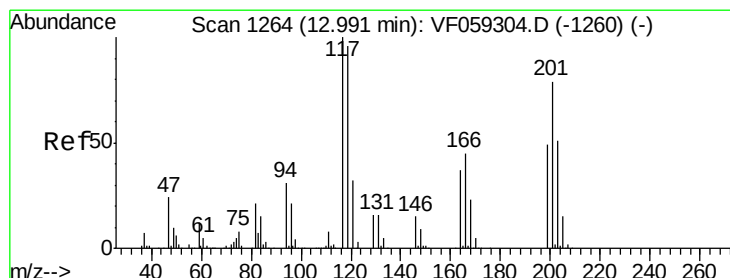
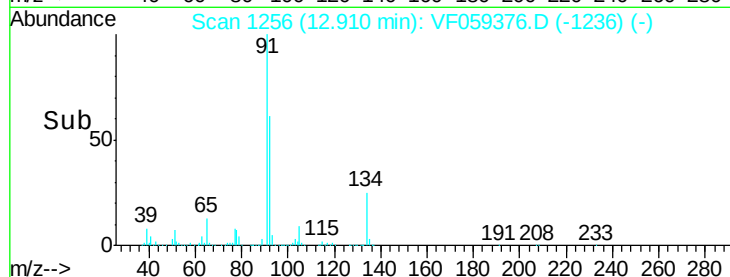
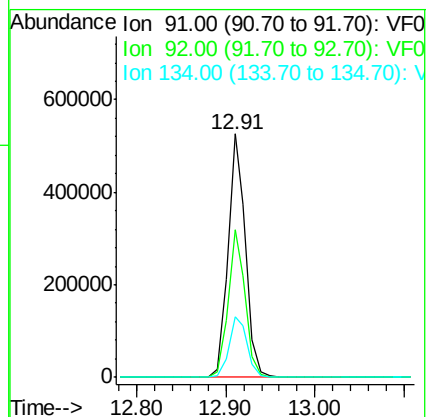
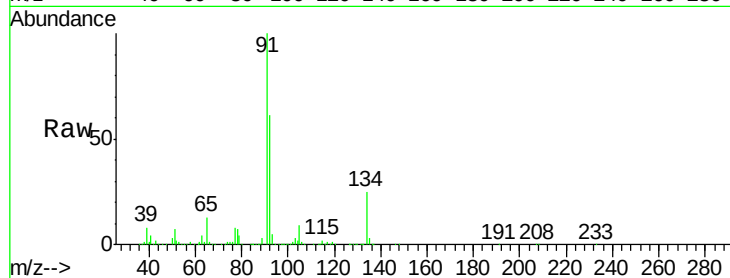
Tot Ion: 91 Resp: 729619

Ion Ratio Lower Upper

91 100

92 60.5 30.3 91.0

134 24.8 12.9 38.7



#90

Hexachloroethane

Concen: 48.246 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059376.D

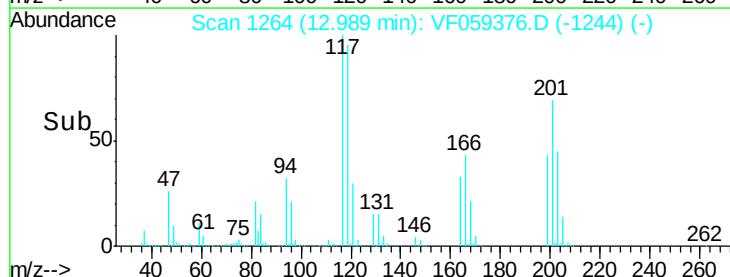
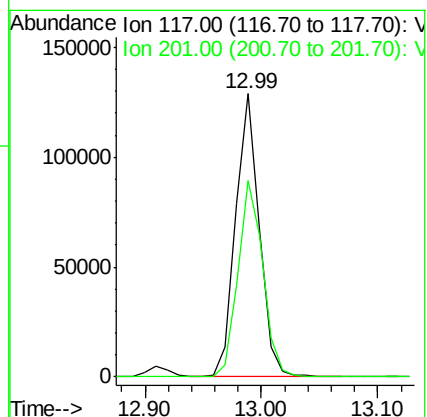
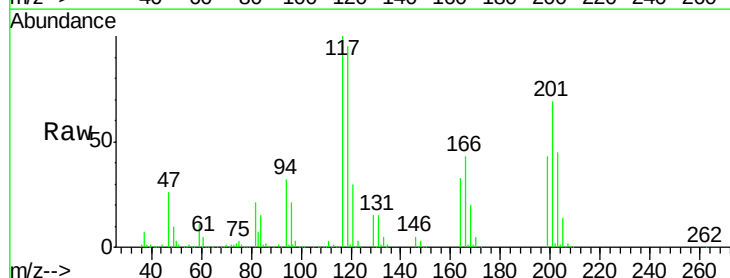
Acq: 29 Jun 2018 14:13

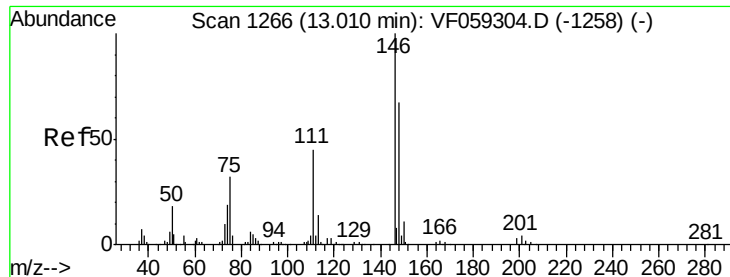
Tgt Ion: 117 Resp: 180945

Ion Ratio Lower Upper

117 100

201 69.2 39.5 118.5

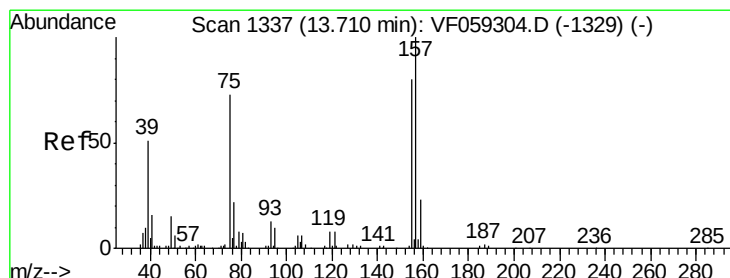
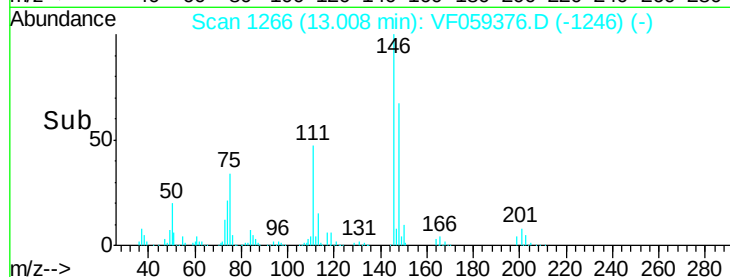
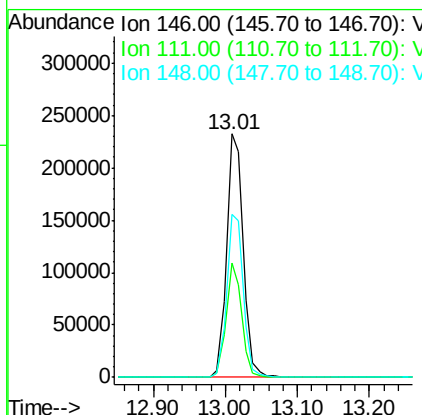
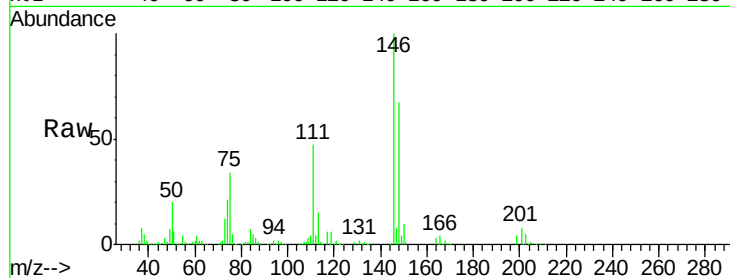




#91
 1,2-Dichlorobenzene
 Concen: 47.513 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

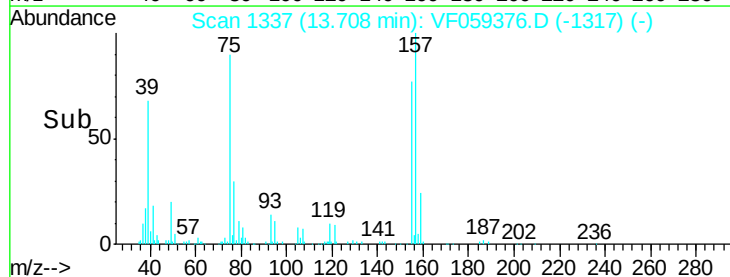
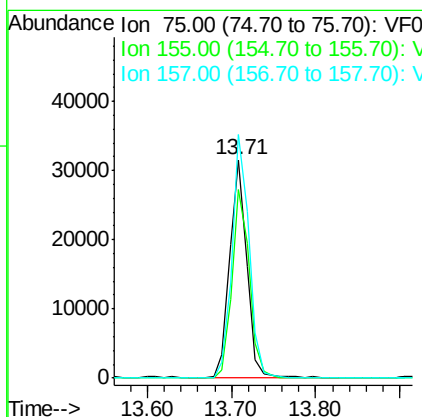
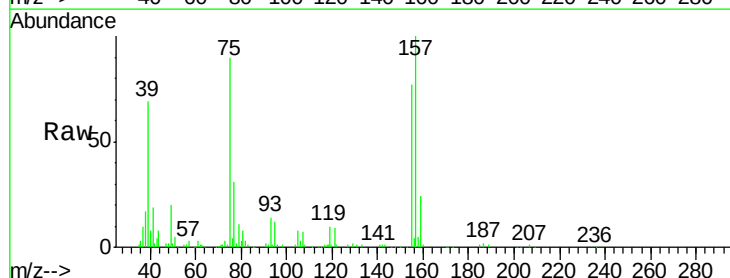
Instrument :
 MSVOA_F
 ClientSampleId :

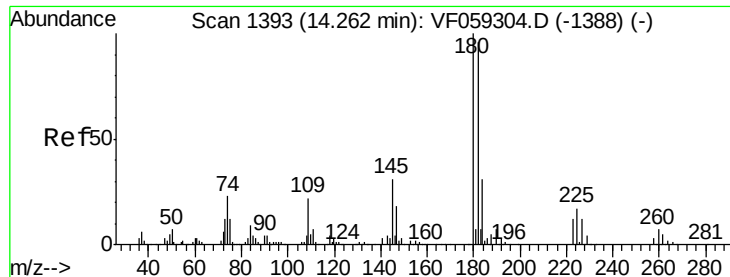
Tot Ion	146	Resp	369499
Ion Ratio	100	Lower	Upper
111	46.8	22.7	68.0
148	67.2	33.5	100.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.525 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059376.D
 Acq: 29 Jun 2018 14:13

Tgt Ion	75	Resp	44540
Ion Ratio	100	Lower	Upper
155	86.4	54.6	163.8
157	111.7	68.7	205.9

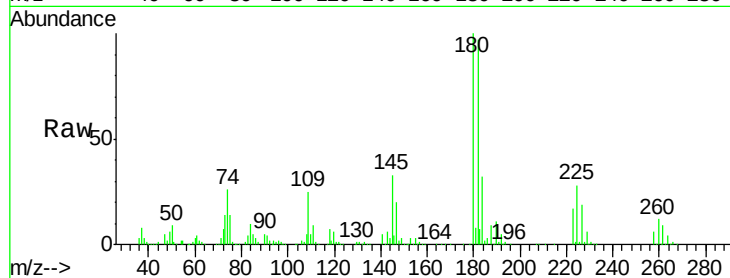




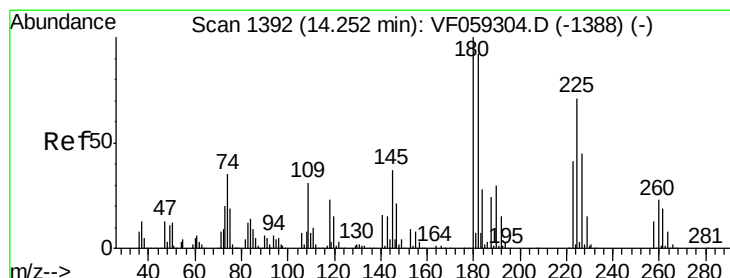
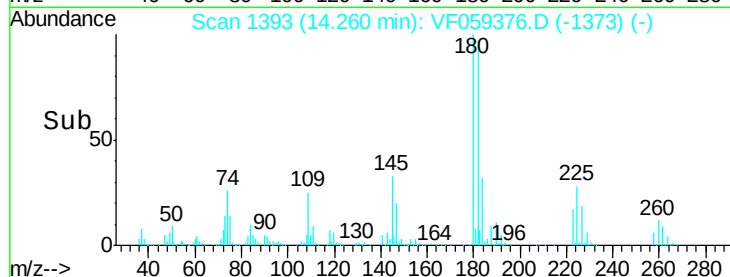
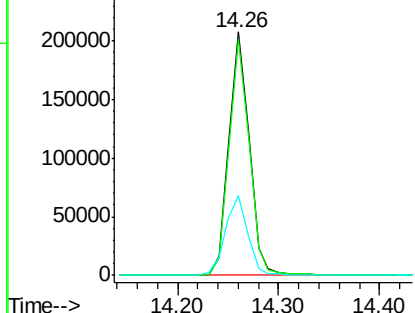
#93
1,2,4-Trichlorobenzene
Concen: 50.600 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:180 Resp: 290970
Ion Ratio Lower Upper
180 100
182 97.1 48.1 144.3
145 32.9 15.3 45.8

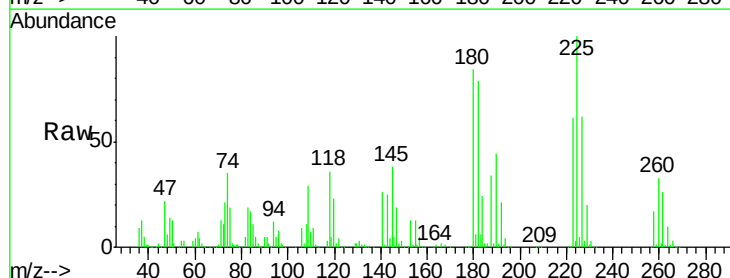


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

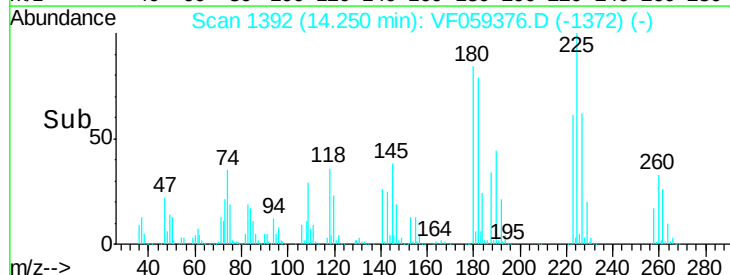
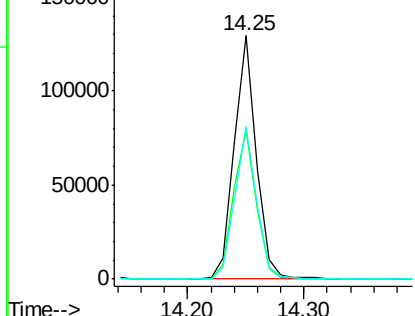


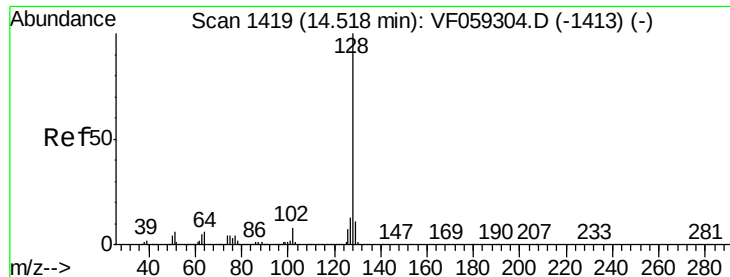
#94
Hexachlorobutadiene
Concen: 52.998 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VF059376.D
Acq: 29 Jun 2018 14:13

Tgt Ion:225 Resp: 170227
Ion Ratio Lower Upper
225 100
223 61.3 28.9 86.8
227 62.5 31.3 93.8



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: 52.198 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

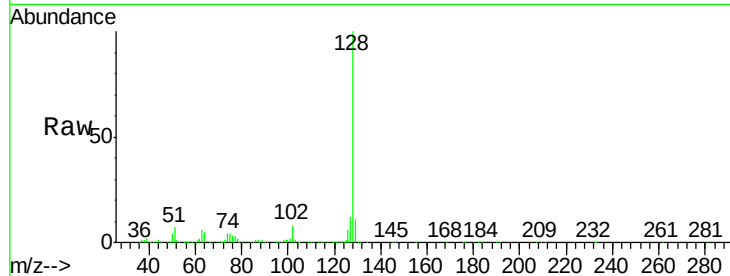
Tot Ion:128 Resp: 628006

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

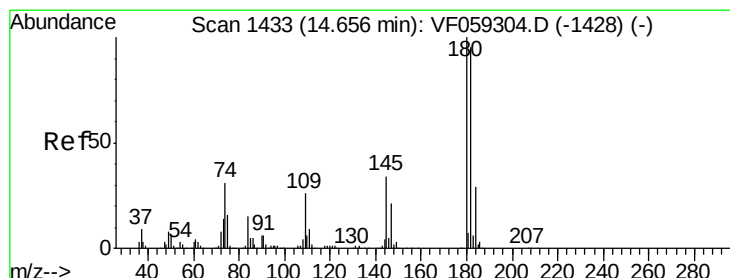
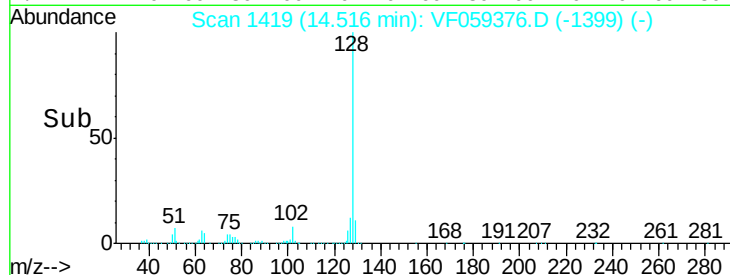
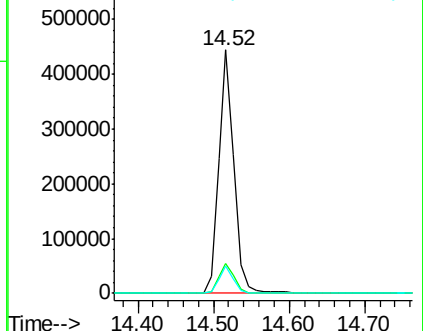
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.037 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059376.D

Acq: 29 Jun 2018 14:13

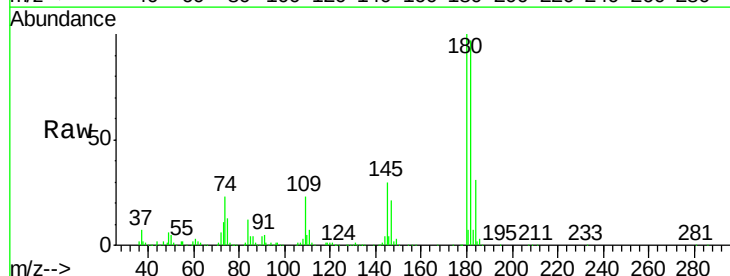
Tgt Ion:180 Resp: 278021

Ion Ratio Lower Upper

180 100

182 96.5 47.5 142.5

145 30.3 17.0 50.9



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

