

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059274.D
 Acq On : 21 Jun 2018 21:51
 Operator : VA/AP
 Sample : J3570-01RE
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 22 07:07:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	23555	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	27827	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	16516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	5811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	5981	17.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	35.38%	
35) Dibromofluoromethane	4.29	113	8258	35.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.54%	
50) Toluene-d8	7.70	98	26661	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
62) 4-Bromofluorobenzene	11.51	95	9087	27.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.04%	

Target Compounds

						Qvalue
5) Bromomethane	1.33	94	122	2.66	ug/l #	1
6) Chloroethane	1.27	64	192	2.30	ug/l #	38
11) Tert butyl alcohol	2.57	59	64	3.25	ug/l #	70
13) Acrolein	2.04	56	169	3.55	ug/l #	10
14) Allyl chloride	2.20	41	776	2.52	ug/l #	1
15) Acrylonitrile	3.07	53	61	Below	Cal #	10
16) Acetone	2.33	43	1084	13.56	ug/l #	64
17) Carbon Disulfide	1.85	76	19790	48.80	ug/l #	89
18) Methyl Acetate	2.46	43	254	1.69	ug/l #	66
23) Vinyl Acetate	3.31	43	892	2.18	ug/l #	80
25) 2-Butanone	4.49	43	488	4.58	ug/l #	58
28) Bromochloromethane	3.86	49	88	Below	Cal #	8
29) Tetrahydrofuran	4.15	42	138	2.88	ug/l #	57
41) Methacrylonitrile	4.89	41	109	1.22	ug/l #	23
43) Isopropyl Acetate	7.12	43	1170	5.11	ug/l #	47
48) Methyl methacrylate	6.82	41	252	1.74	ug/l	90
49) 1,4-Dioxane	6.87	88	86	102.30	ug/l #	61
51) 4-Methyl-2-Pentanone	8.39	43	2117	12.96	ug/l #	44
56) Ethyl methacrylate	8.77	69	1436	6.79	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.71	63	60	3.55	ug/l	100
59) 2-Hexanone	9.62	43	4835	37.35	ug/l	95
68) m/p-Xylenes	10.25	106	328	1.53	ug/l #	36
70) Styrene	10.89	104	972	2.72	ug/l	95
74) N-ethyl acetate	11.46	43	2358	18.04	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.76	83	1807	19.24	ug/l #	68
76) 1,2,3-Trichloropropane	11.89	75	399	5.80	ug/l #	1
78) n-propylbenzene	11.67	91	1179	2.49	ug/l	85
79) 2-Chlorotoluene	11.81	91	806	2.84	ug/l	84
80) 1,3,5-Trimethylbenzene	11.91	105	506	1.50	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.95	75	457	10.38	ug/l #	69
82) 4-Chlorotoluene	11.99	91	1229	4.03	ug/l	84
84) 1,2,4-Trimethylbenzene	12.27	105	998	2.80	ug/l	78
85) sec-Butylbenzene	12.38	105	633	1.38	ug/l #	58
86) p-Isopropyltoluene	12.53	119	425	1.13	ug/l #	67

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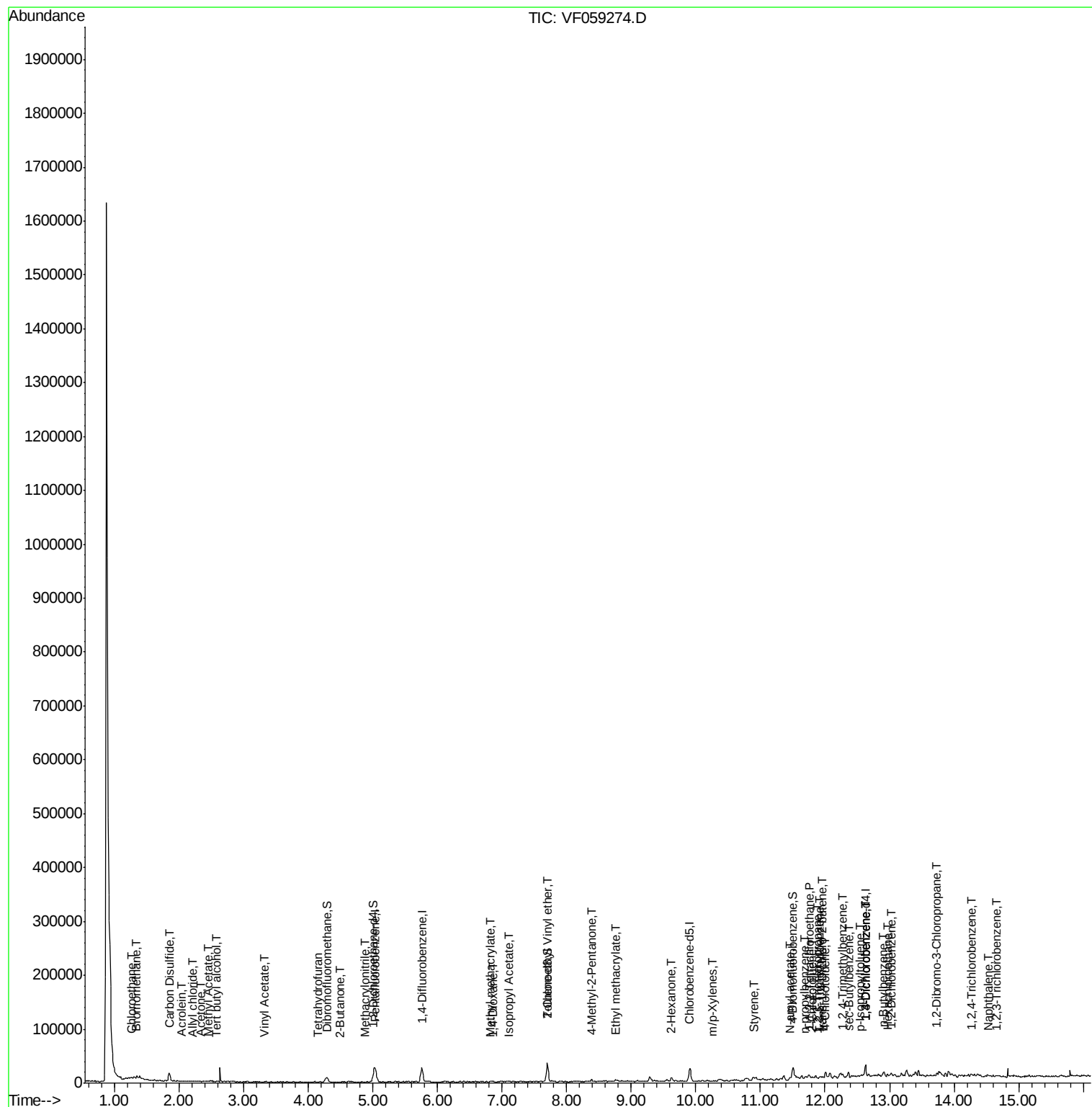
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.64	146	970	5.00	ug/l	79
88) 1,4-Dichlorobenzene	12.64	146	970	5.07	ug/l	79
89) n-Butylbenzene	12.92	91	1225	3.19	ug/l	92
90) Hexachloroethane	12.97	117	139	1.48	ug/l #	10
91) 1,2-Dichlorobenzene	13.01	146	535	2.78	ug/l	67
92) 1,2-Dibromo-3-Chloropropan	13.74	75	64	3.16	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.27	180	337	2.40	ug/l #	78
95) Naphthalene	14.52	128	1833	6.35	ug/l #	78
96) 1,2,3-Trichlorobenzene	14.66	180	329	2.49	ug/l #	54

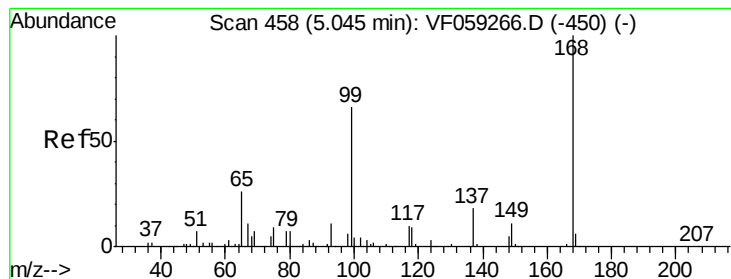
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

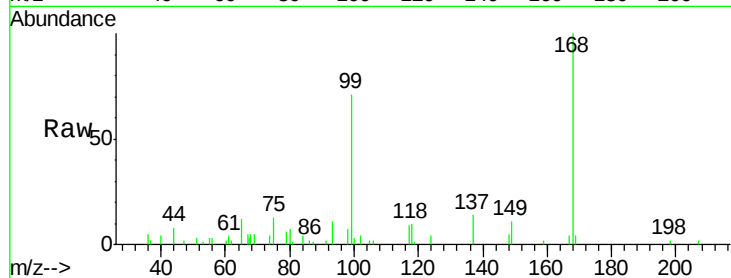
ClientSampleId :

Tot Ion:168 Resp: 23555

Ion Ratio Lower Upper

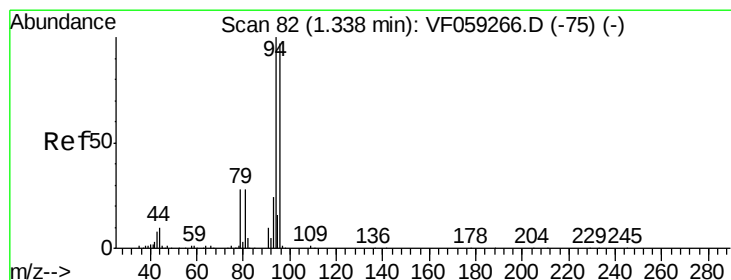
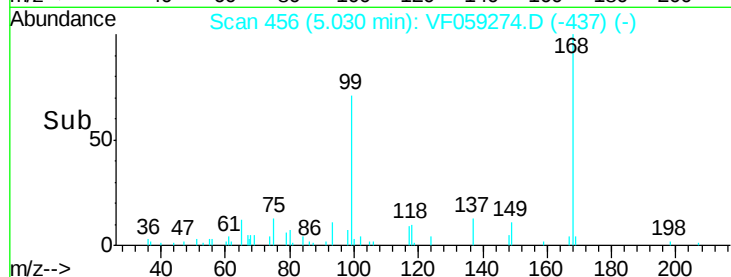
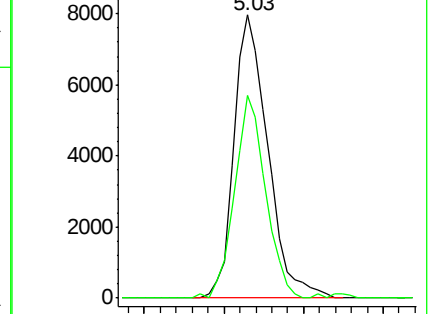
168 100

99 71.5 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 2.66 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059274.D

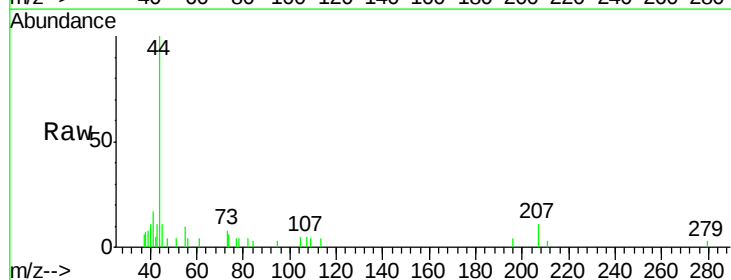
Acq: 21 Jun 2018 21:51

Tgt Ion: 94 Resp: 122

Ion Ratio Lower Upper

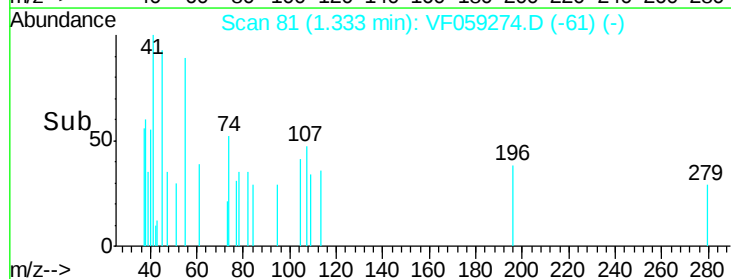
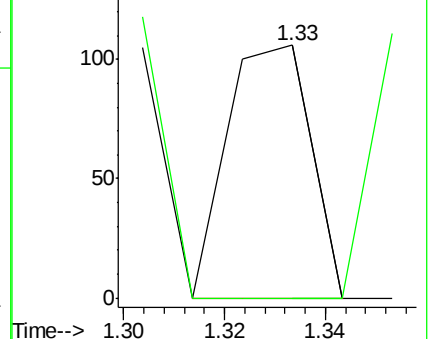
94 100

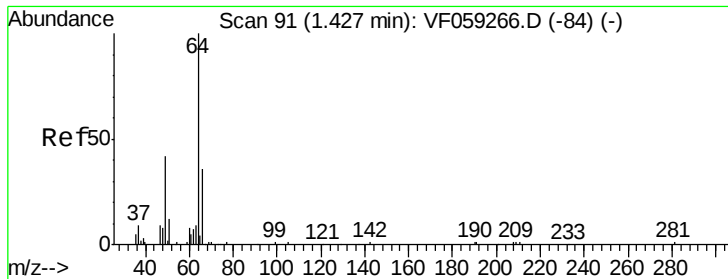
96 0.0 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 2.30 ug/l

RT: 1.27 min Scan# 75

Delta R.T. -0.15 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

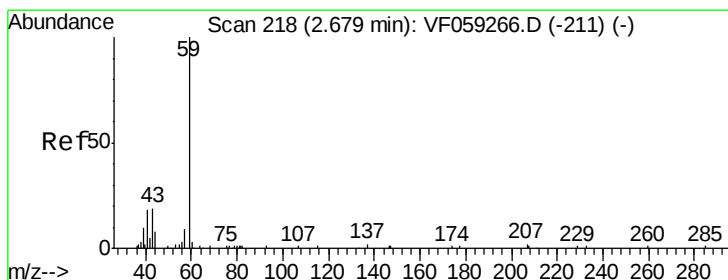
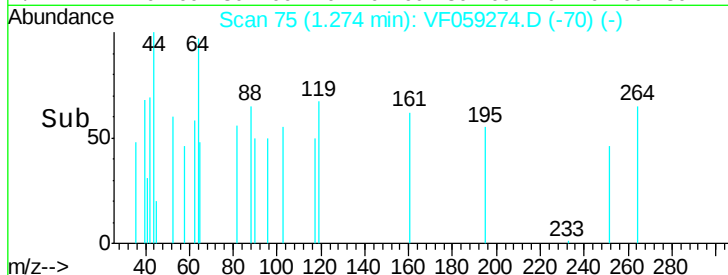
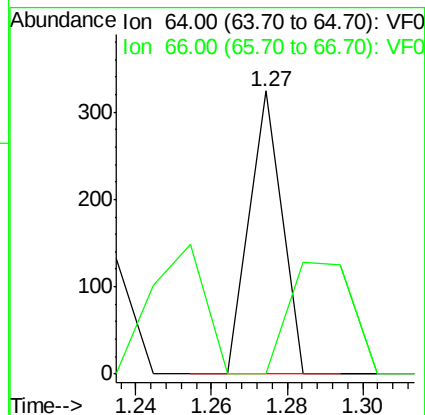
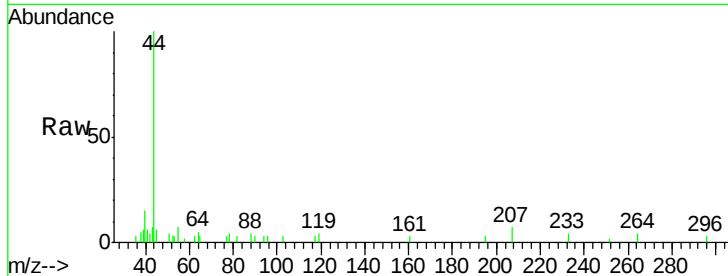
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 192

Ion Ratio Lower Upper

64 100

66 0.0 29.4 44.2#



#11

Tert butyl alcohol

Concen: 3.25 ug/l

RT: 2.57 min Scan# 206

Delta R.T. -0.11 min

Lab File: VF059274.D

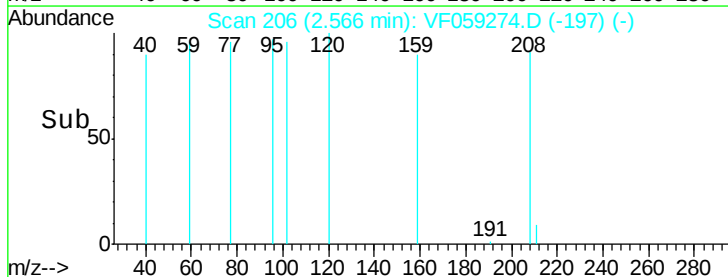
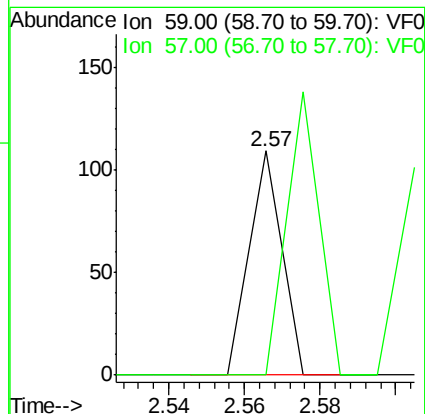
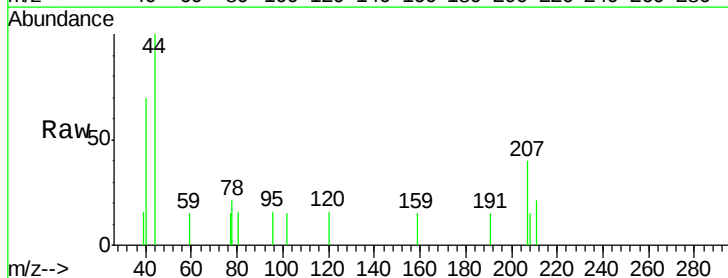
Acq: 21 Jun 2018 21:51

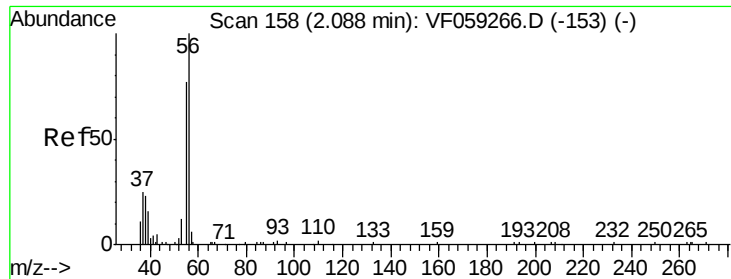
Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#

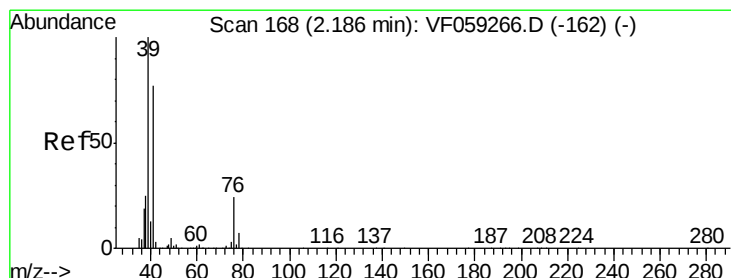
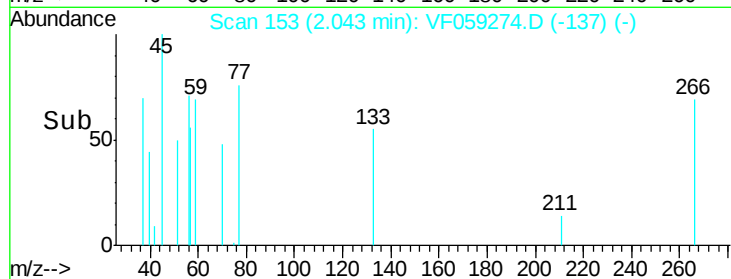
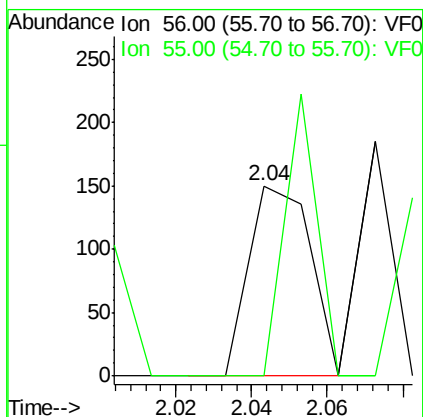
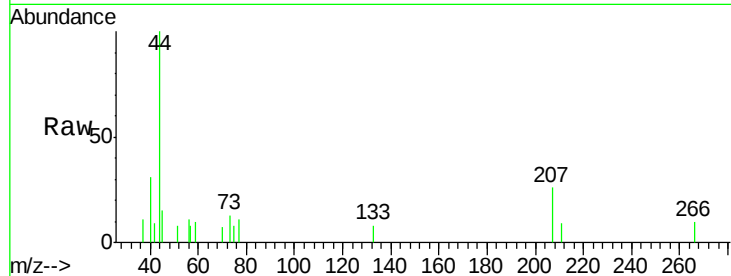




#13
Acrolein
Concen: 3.55 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.04 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

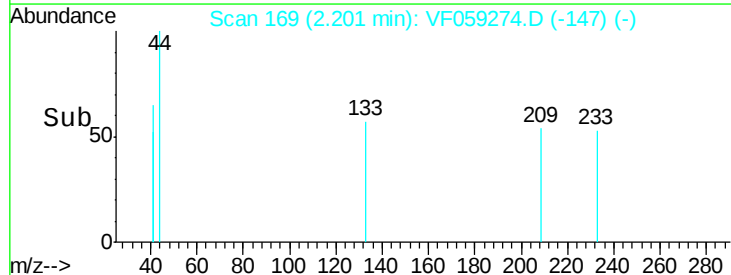
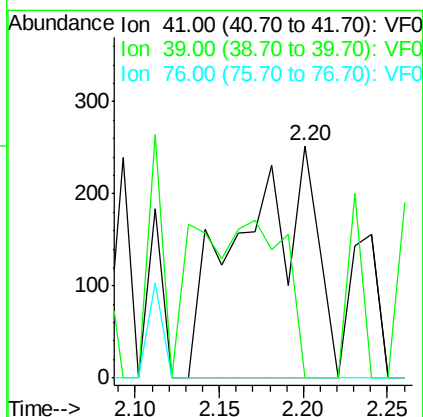
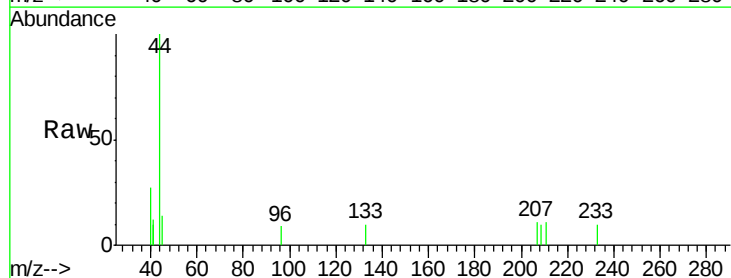
Instrument :
MSVOA_F
ClientSampleId :

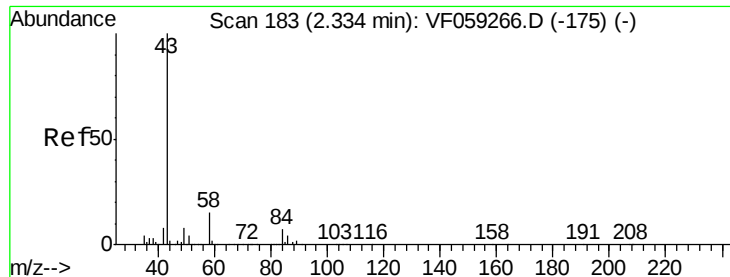
Tot Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 0.0 63.0 94.6#



#14
Allyl chloride
Concen: 2.52 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion: 41 Resp: 776
Ion Ratio Lower Upper
41 100
39 0.0 103.8 155.6#
76 0.0 25.0 37.6#





#16

Acetone

Concen: 13.56 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

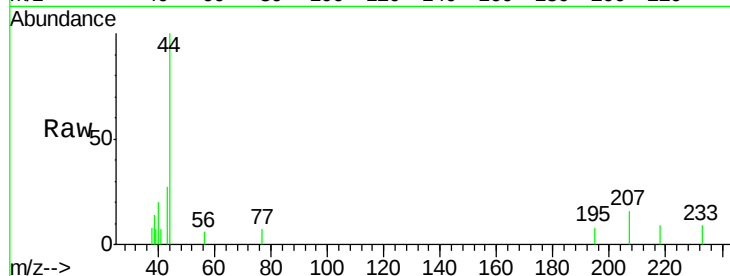
ClientSampleId :

Tot Ion: 43 Resp: 1084

Ion Ratio Lower Upper

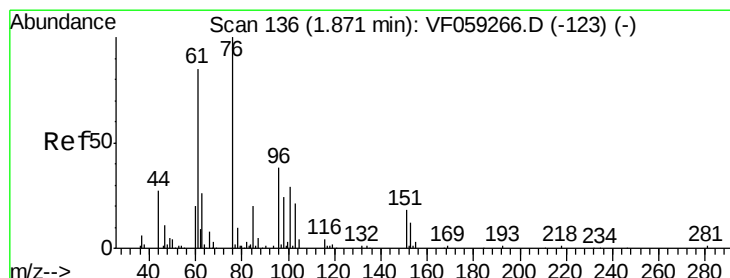
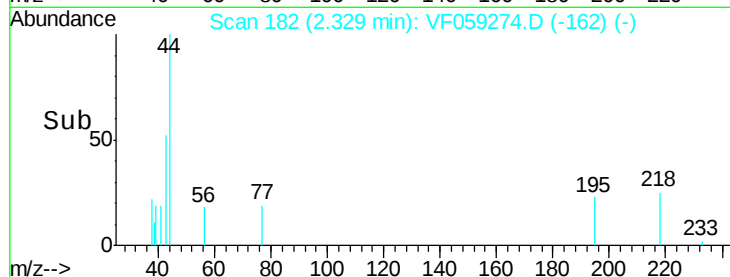
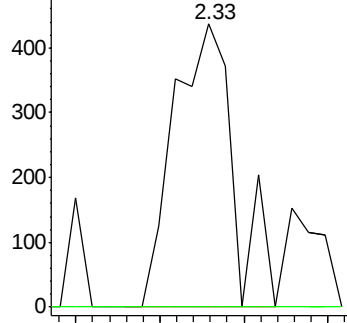
43 100

58 0.0 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 48.80 ug/l

RT: 1.85 min Scan# 133

Delta R.T. -0.02 min

Lab File: VF059274.D

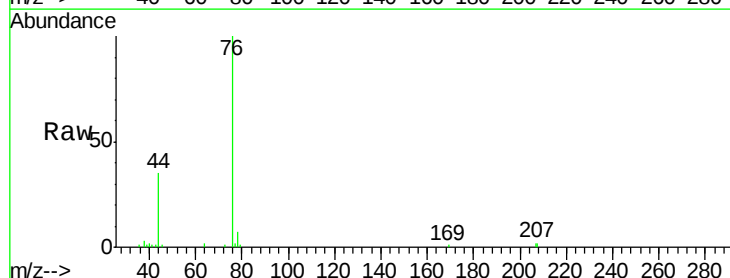
Acq: 21 Jun 2018 21:51

Tgt Ion: 76 Resp: 19790

Ion Ratio Lower Upper

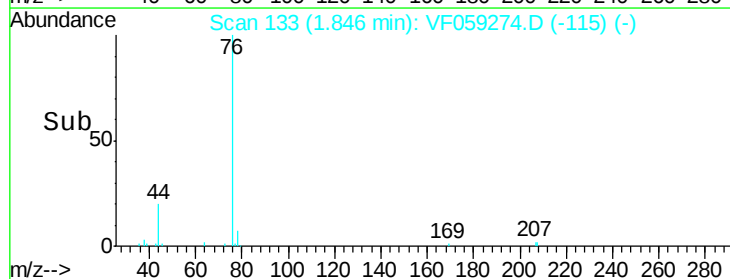
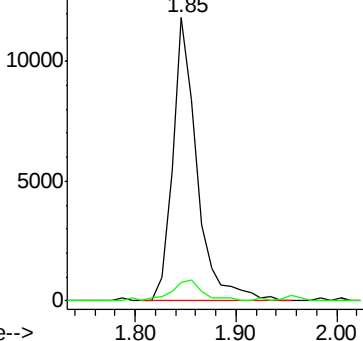
76 100

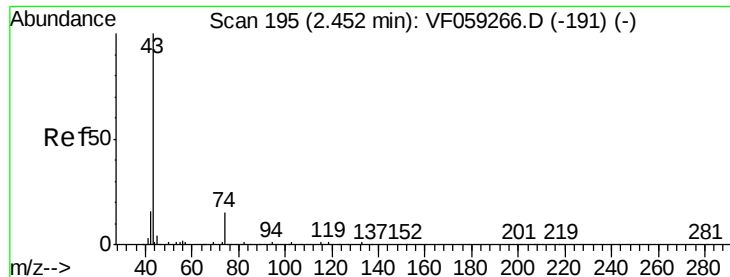
78 6.7 8.6 12.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

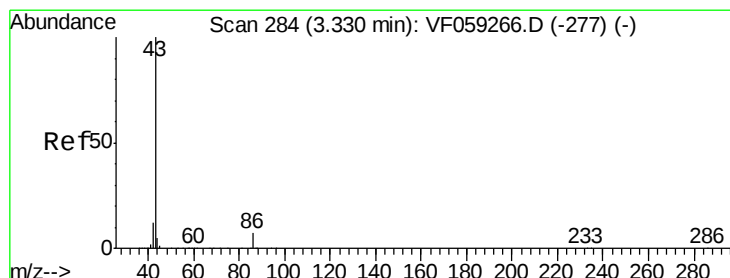
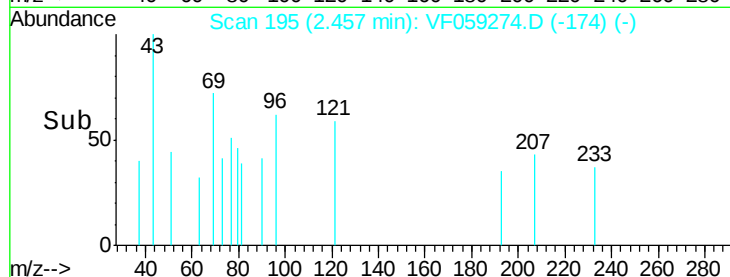
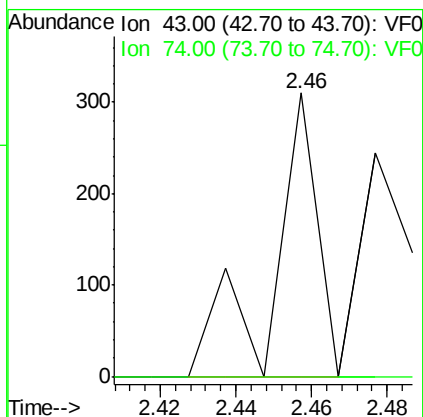
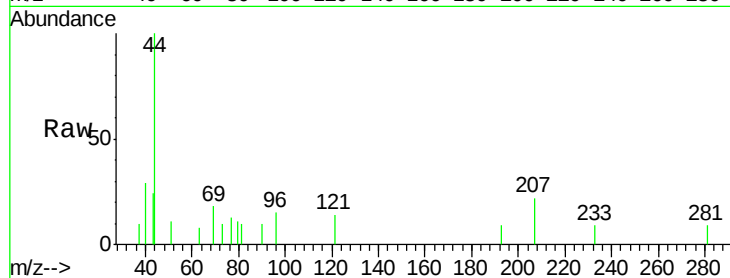




#18
Methvl Acetate
Concen: 1.69 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

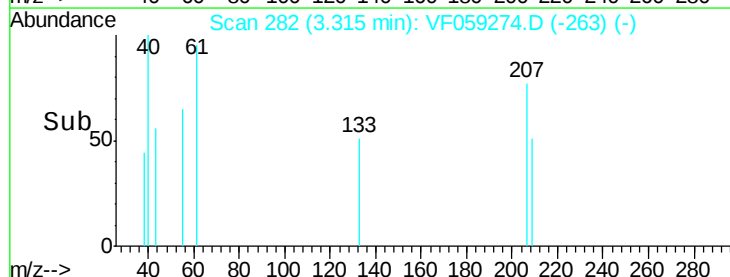
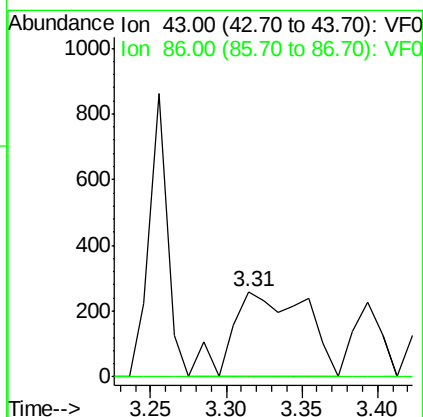
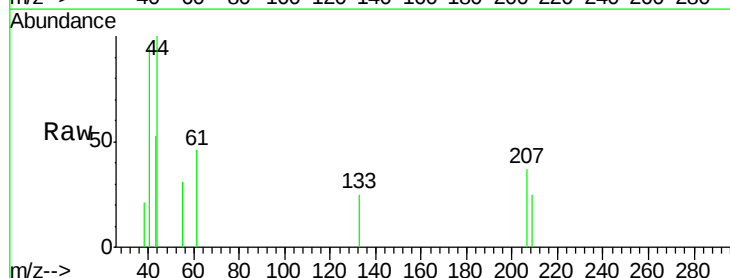
Instrument :
MSVOA_F
ClientSampleId :

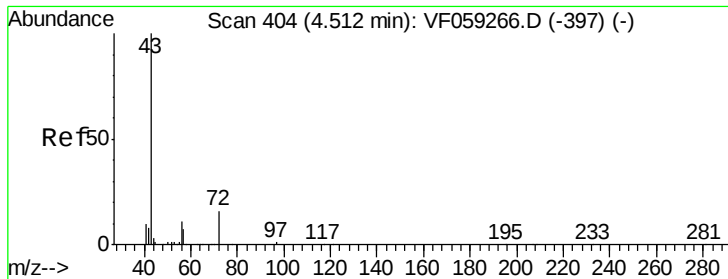
Tot Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#



#23
Vinyl Acetate
Concen: 2.18 ug/l
RT: 3.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
86 0.0 5.4 8.2#





#25

2-Butanone

Concen: 4.58 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.02 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

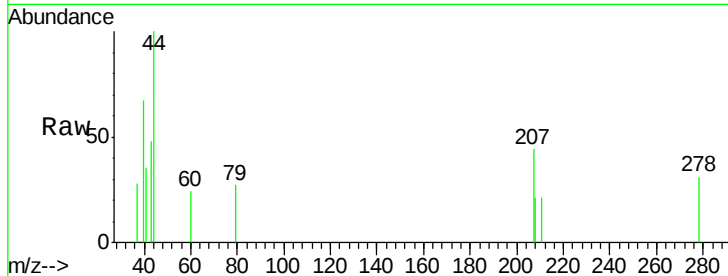
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

72 0.0 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

250

200

150

100

50

0

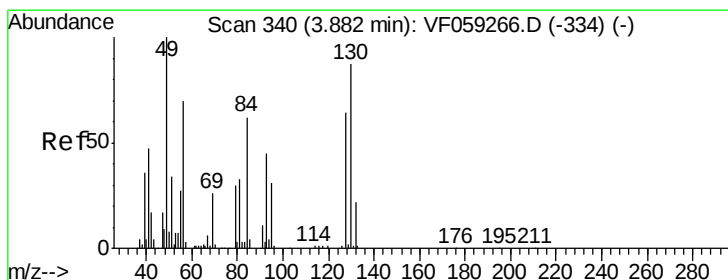
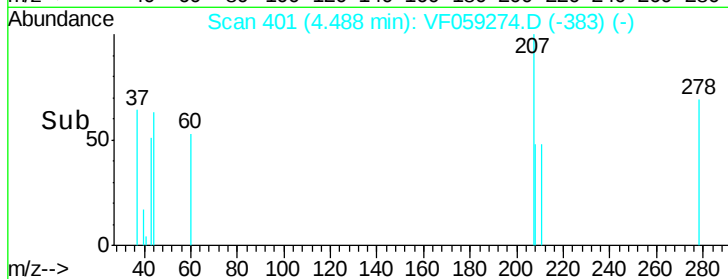
4.40

4.45

4.50

4.55

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 3.86 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

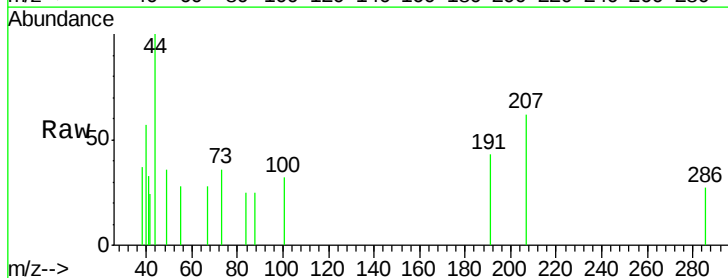
Tgt Ion: 49 Resp: 88

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 69.4 104.2#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

200

150

100

50

0

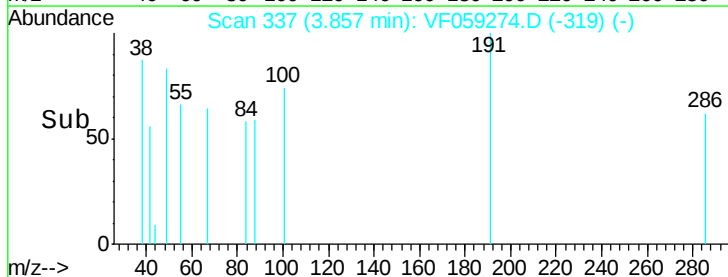
3.82

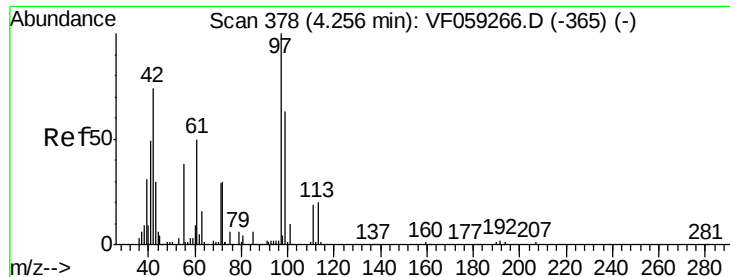
3.84

3.86

3.88

Time-->





#29

Tetrahydrofuran

Concen: 2.88 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.10 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

ClientSampled :

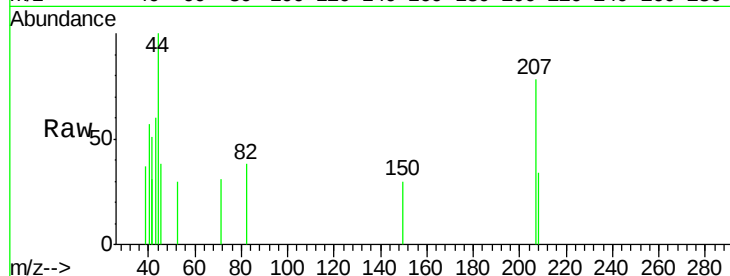
Tot Ion: 42 Resp: 138

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

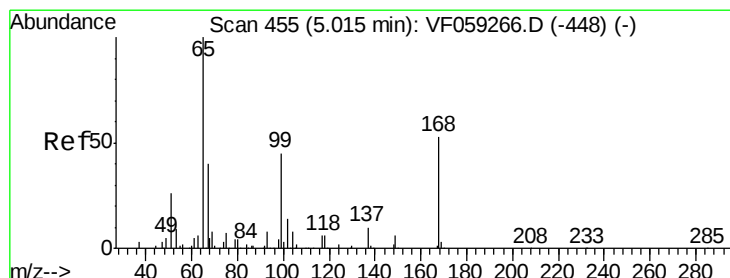
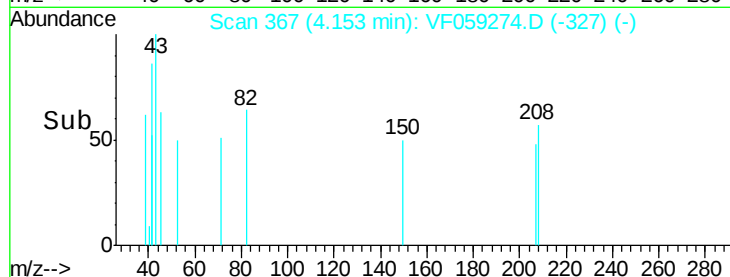
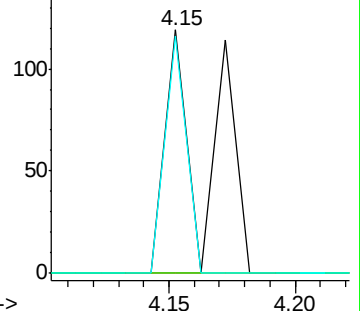
71 50.0 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 17.69 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059274.D

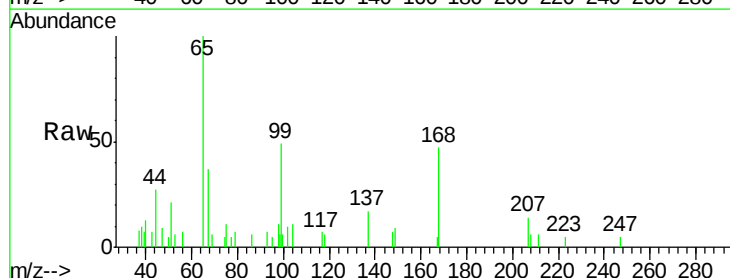
Acq: 21 Jun 2018 21:51

Tgt Ion: 65 Resp: 5981

Ion Ratio Lower Upper

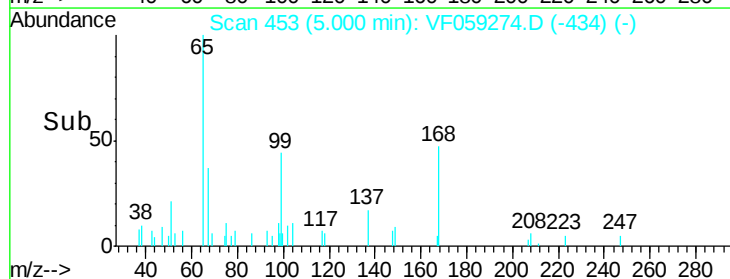
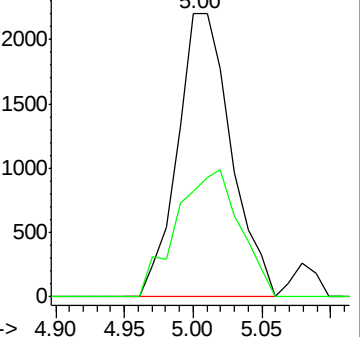
65 100

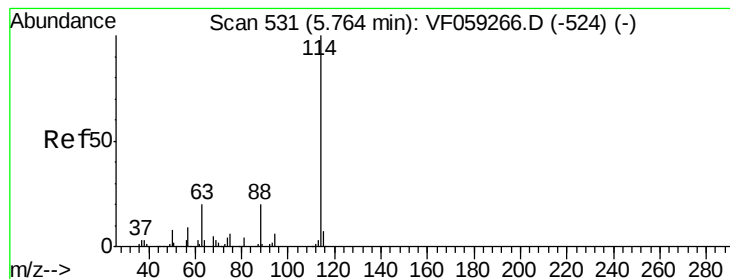
67 37.1 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

ClientSampled :

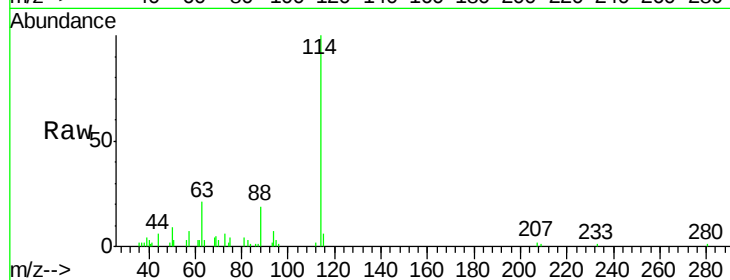
Tot Ion:114 Resp: 27827

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.0

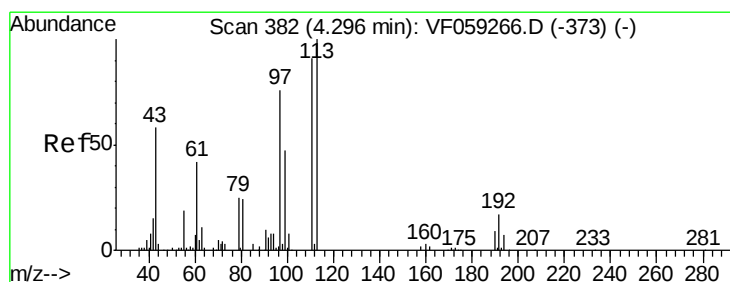
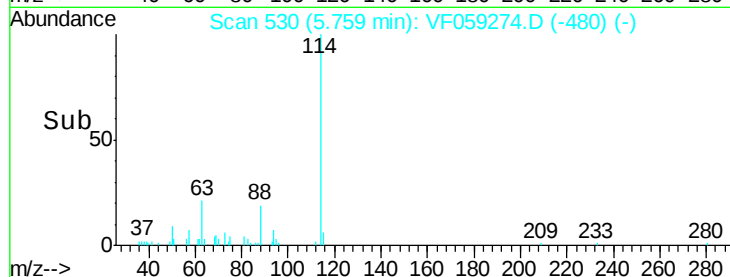
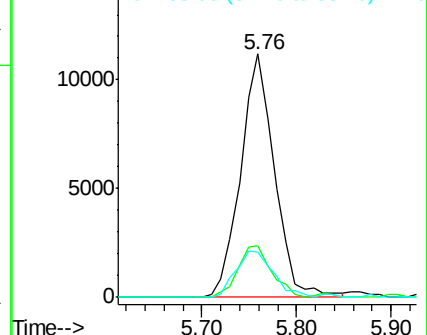
88 18.6 0.0 39.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 35.27 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

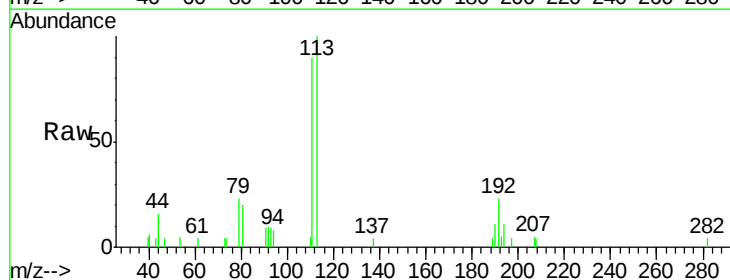
Tgt Ion:113 Resp: 8258

Ion Ratio Lower Upper

113 100

111 90.1 73.1 109.7

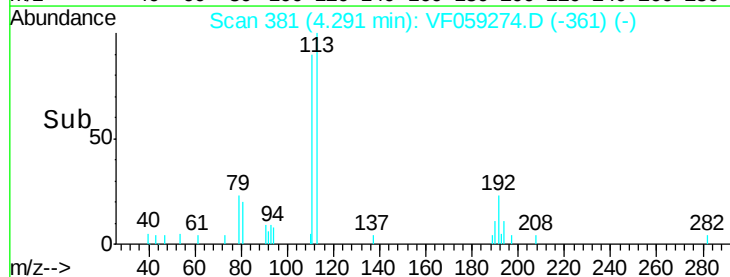
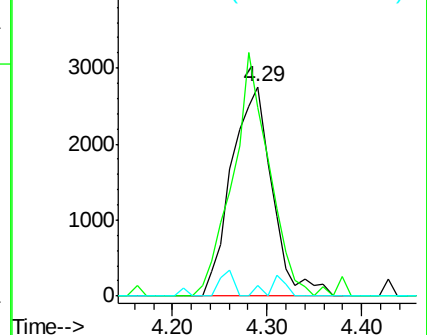
192 5.2 13.9 20.9#

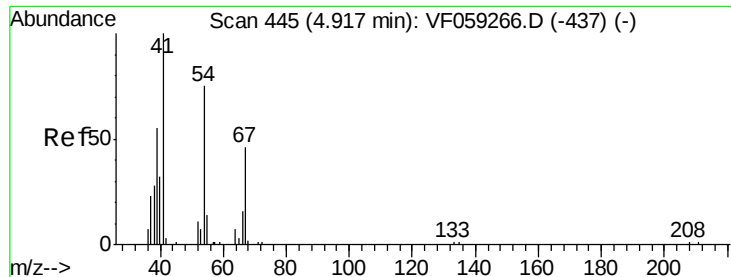


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

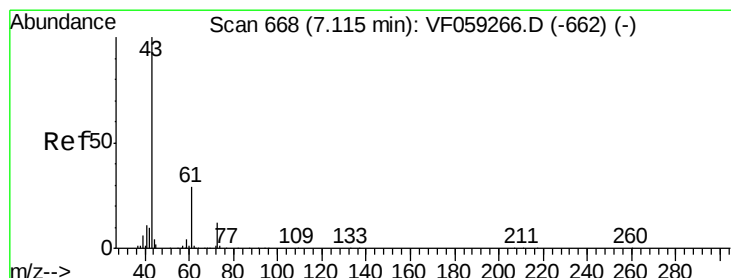
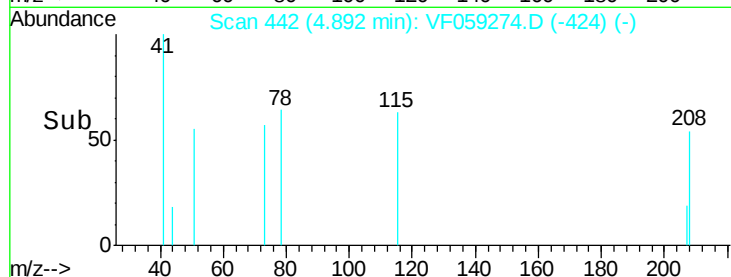
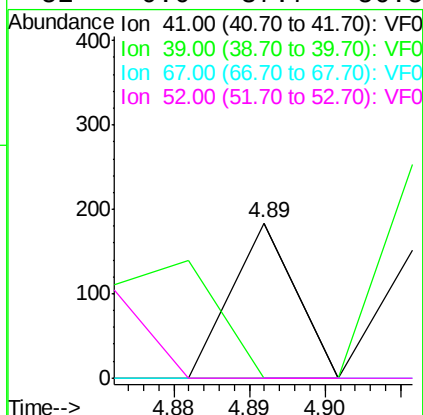
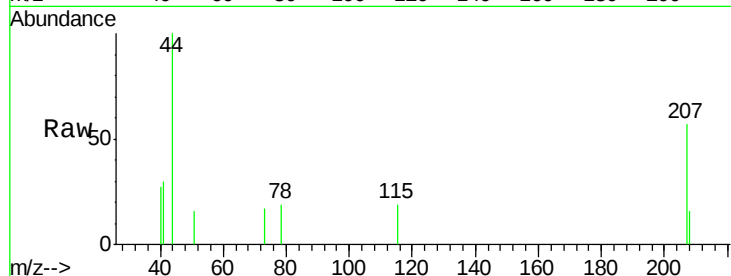




#41
Methacrylonitrile
Concen: 1.22 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.02 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

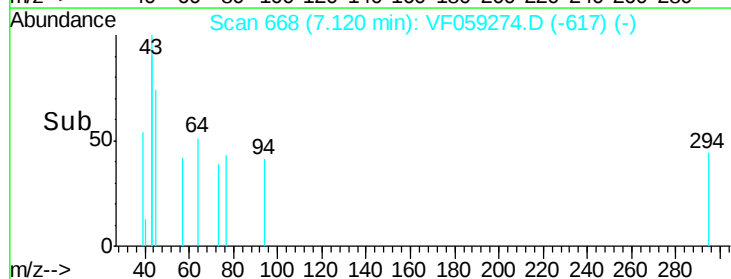
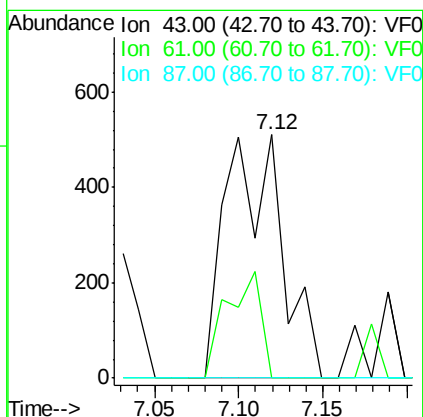
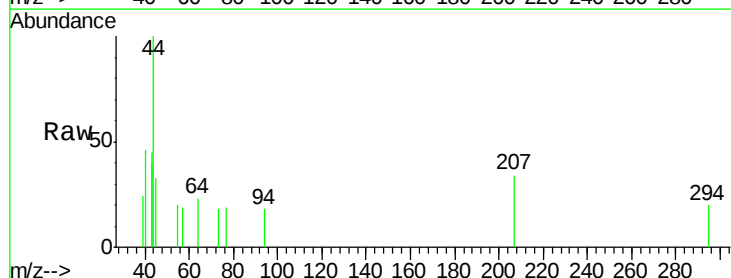
Instrument :
MSVOA_F
ClientSampleId :

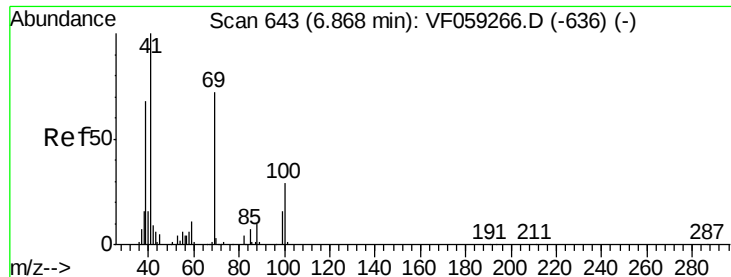
Tot Ion:	41	Resp:	109
Ion	Ratio	Lower	Upper
41	100		
39	0.0	57.0	85.6#
67	0.0	36.8	55.2#
52	0.0	37.7	56.5#



#43
Isopropyl Acetate
Concen: 5.11 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion:	43	Resp:	1170
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	0.0	0.3	0.5#

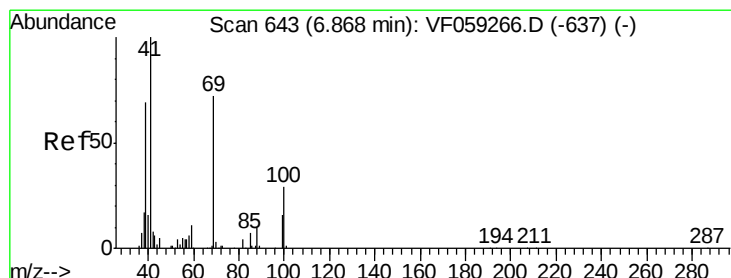
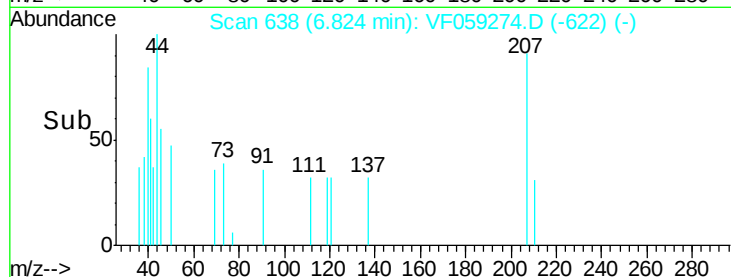
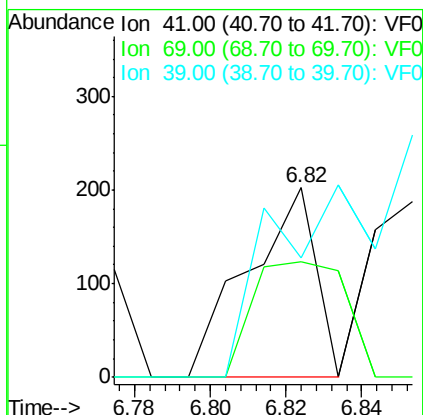
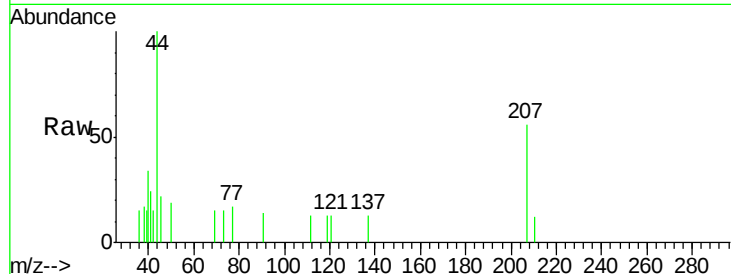




#48
Methvl methacrvlate
Concen: 1.74 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.04 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

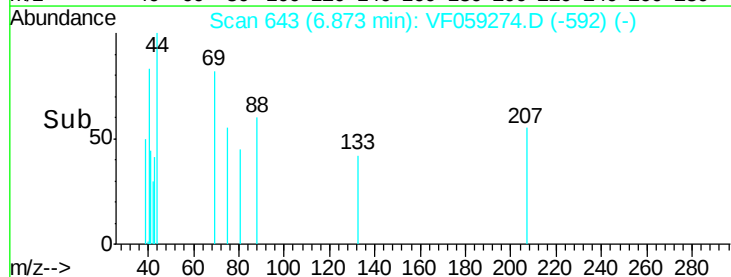
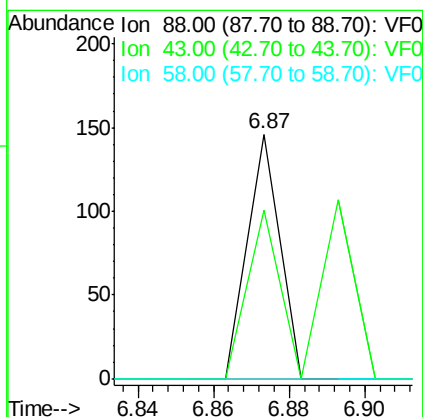
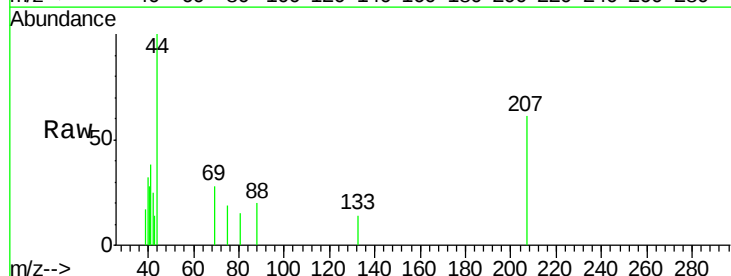
Instrument :
MSVOA_F
ClientSampled :

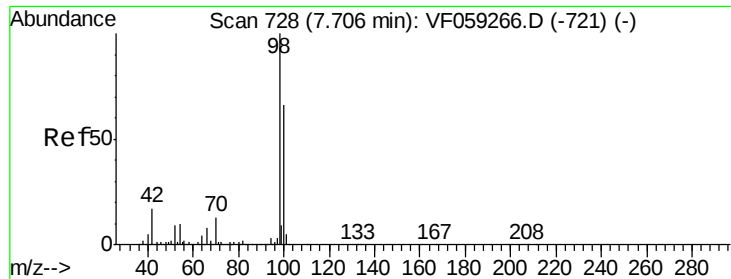
Tot Ion: 41 Resp: 252
Ion Ratio Lower Upper
41 100
69 60.9 57.4 86.2
39 63.4 54.8 82.2



#49
1,4-Dioxane
Concen: 102.30 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 69.2 55.5 83.3
58 0.0 50.1 75.1#

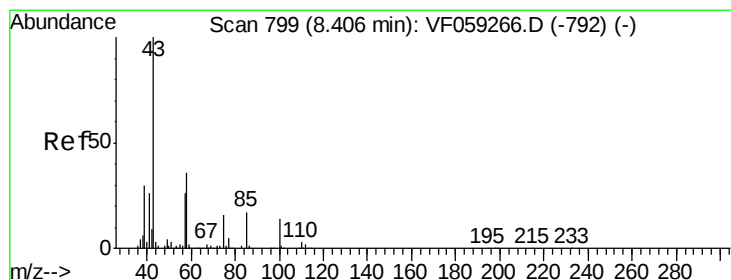
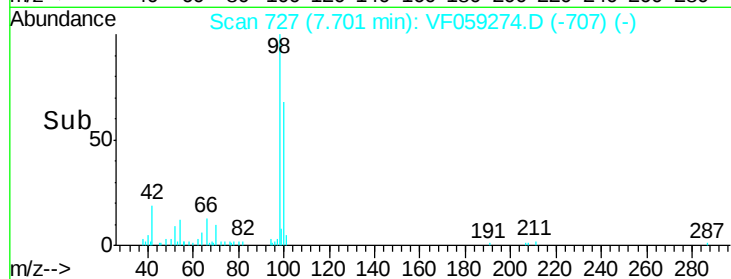
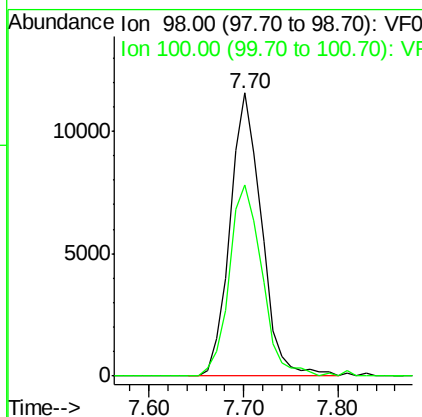
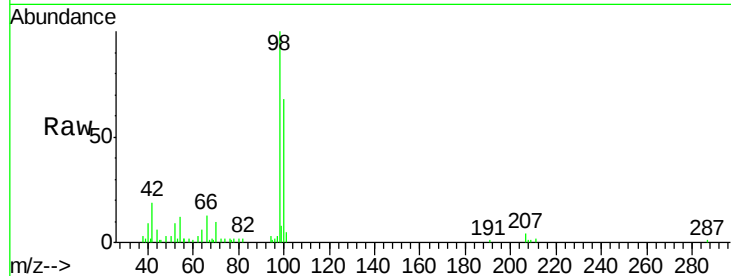




#50
Toluene-d8
Concen: 44.77 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

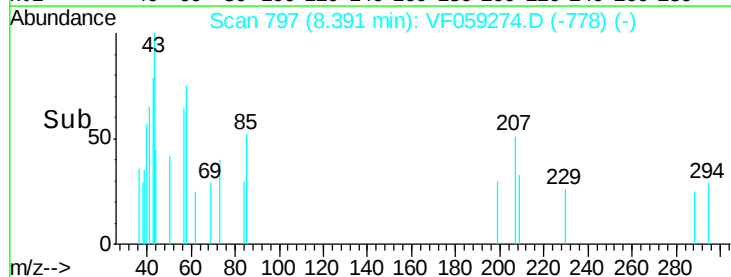
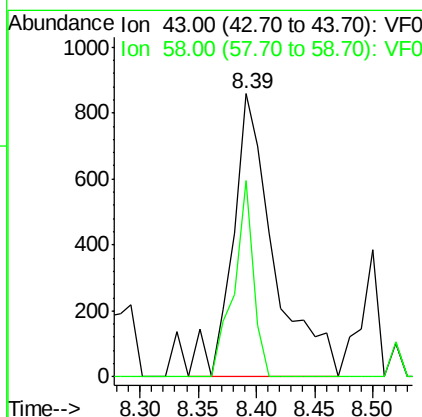
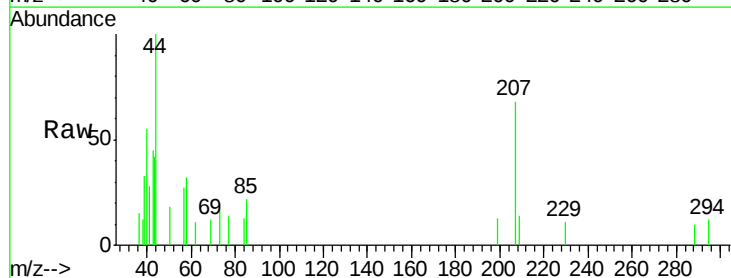
Instrument :
MSVOA_F
ClientSampled :

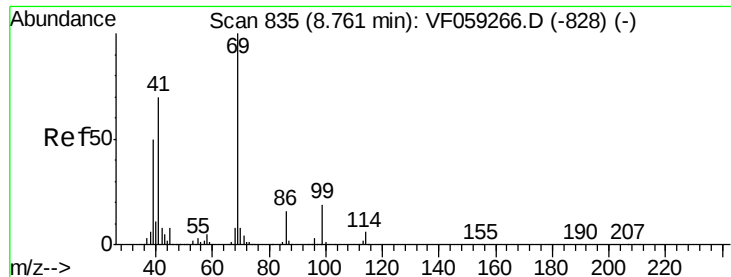
Tot Ion: 98 Resp: 26661
Ion Ratio Lower Upper
98 100
100 67.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 12.96 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
58 69.2 29.0 43.6#





#56

Ethyl methacrylate

Concen: 6.79 ug/l

RT: 8.77 min Scan# 835

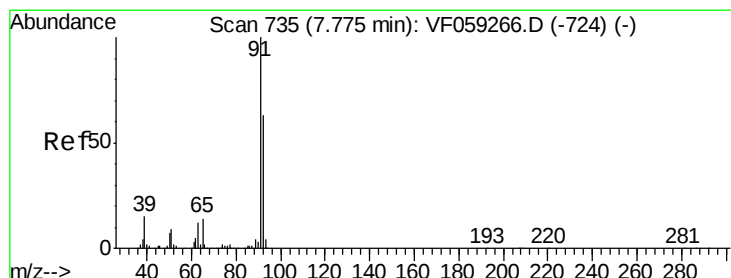
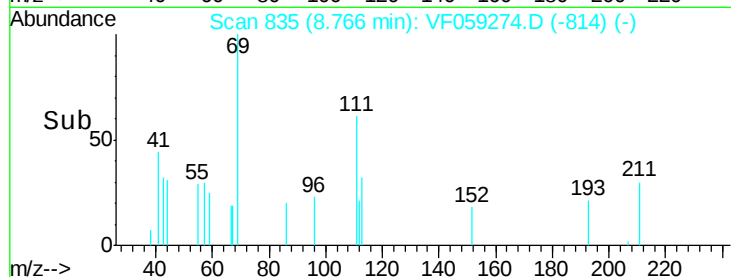
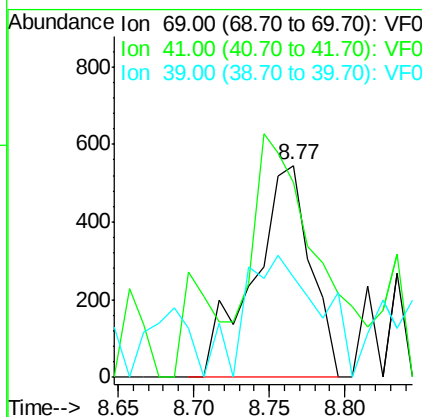
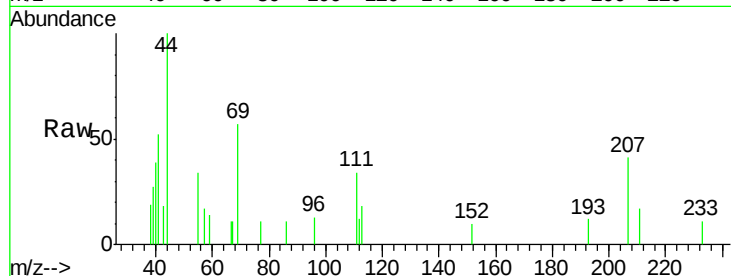
Delta R.T. 0.00 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69.00	Resp:	1436
Ion	Ratio	Lower	Upper
69	100		
41	91.9	56.6	85.0#
39	47.2	40.5	60.7



#58

2-Chloroethyl Vinyl ether

Concen: 3.55 ug/l

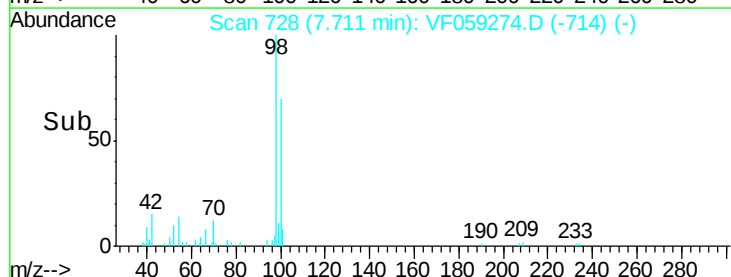
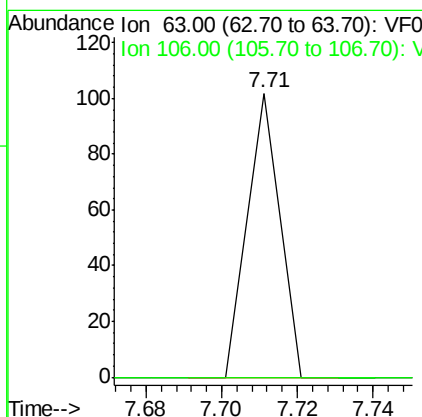
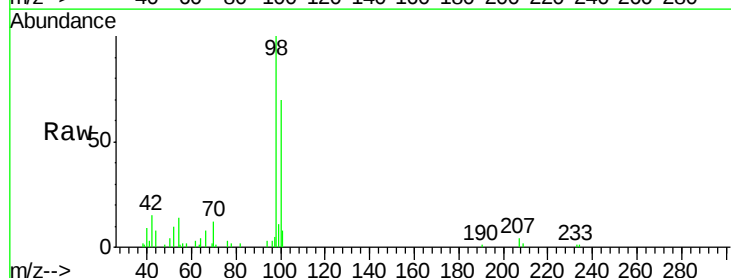
RT: 7.71 min Scan# 728

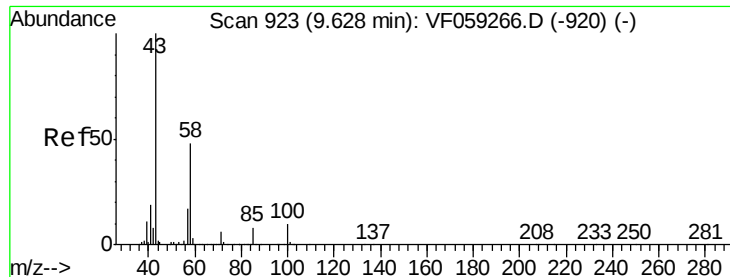
Delta R.T. -0.06 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Tgt Ion:	63.00	Resp:	60
Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

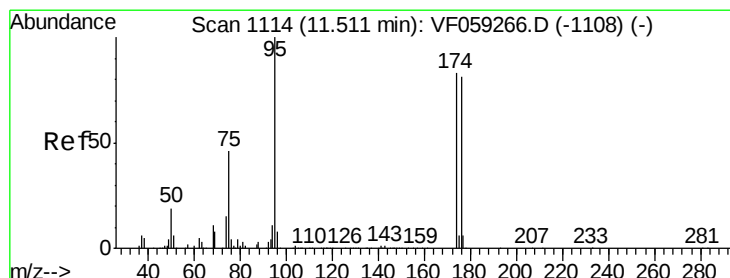
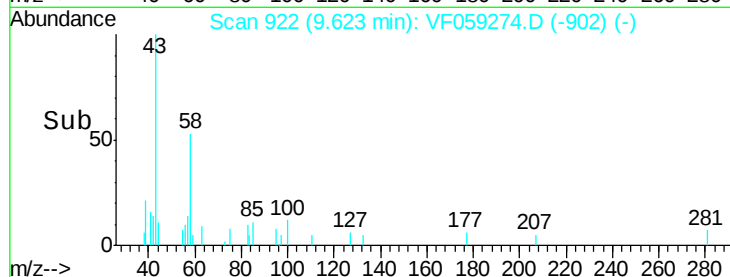
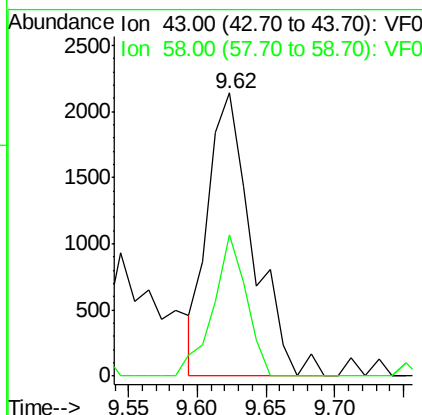
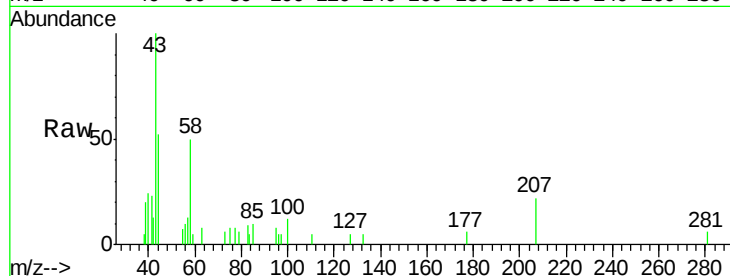




#59
2-Hexanone
Concen: 37.35 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

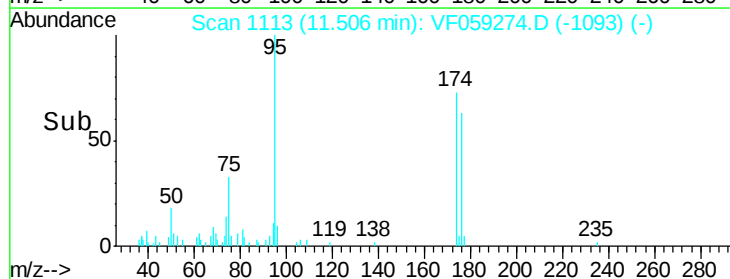
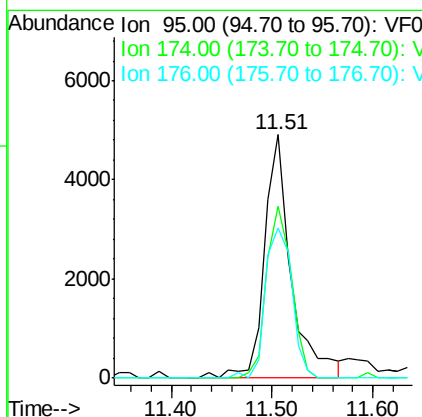
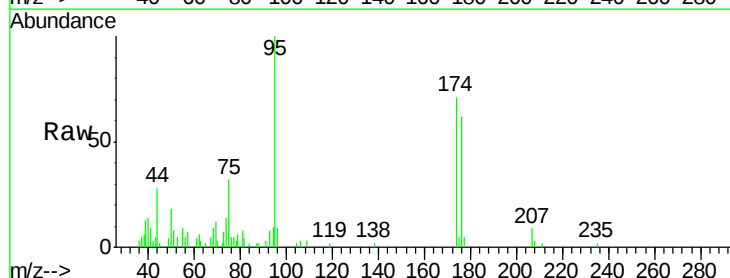
Instrument :
MSVOA_F
ClientSampleId :

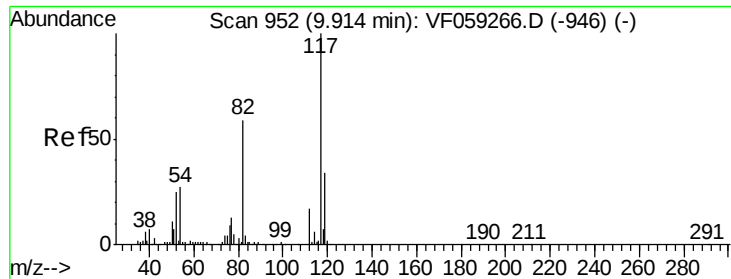
Tot Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
58 49.8 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 27.52 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion: 95 Resp: 9087
Ion Ratio Lower Upper
95 100
174 70.9 0.0 166.2
176 61.6 0.0 162.8

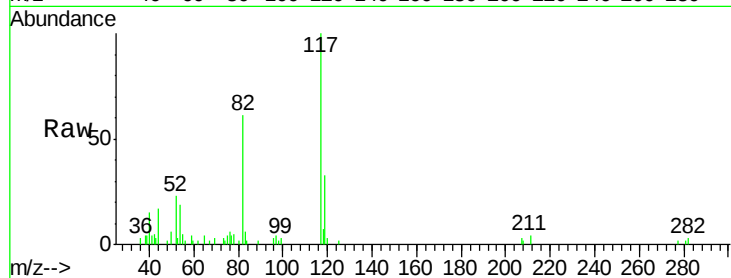




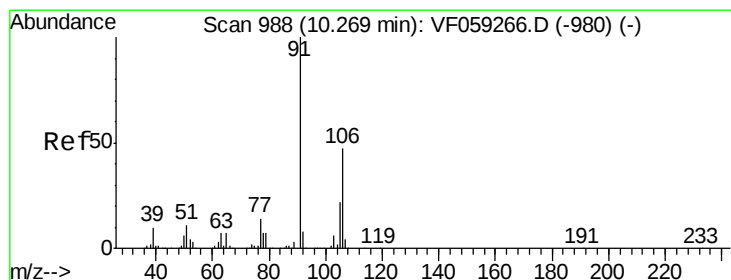
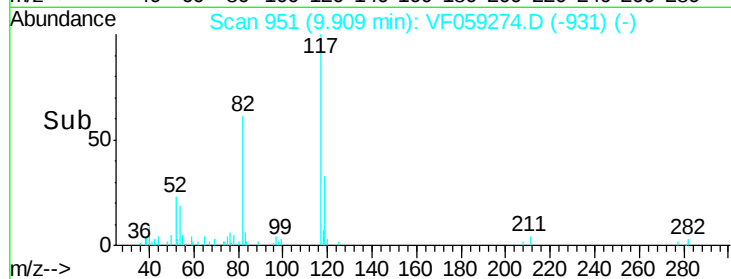
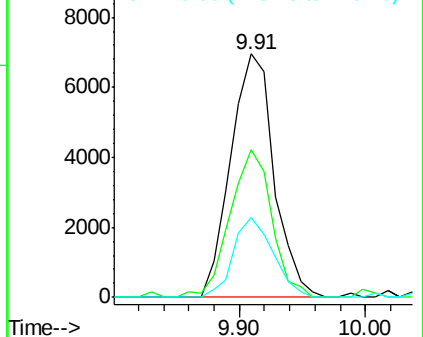
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 16516
Ion Ratio Lower Upper
117 100
82 60.6 47.1 70.7
119 32.9 26.9 40.3

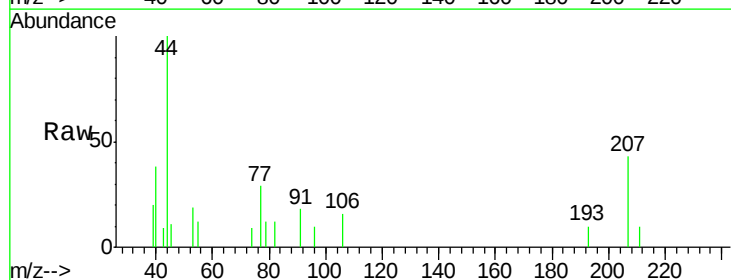


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

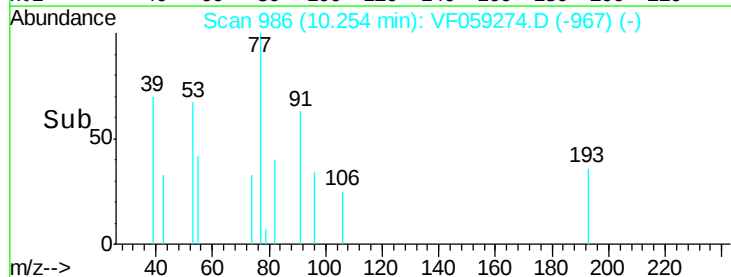
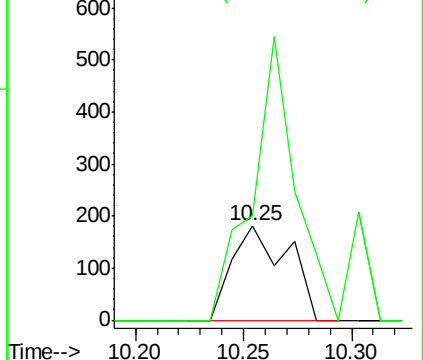


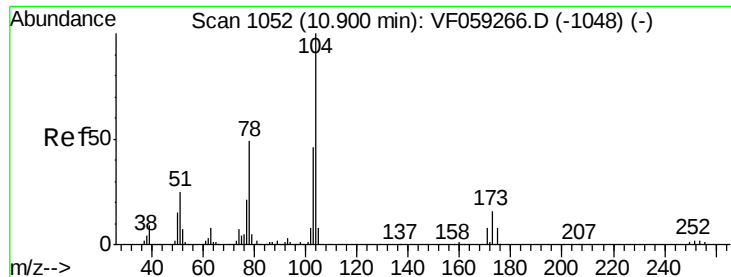
#68
m/p-Xylenes
Concen: 1.53 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF059274.D
Acq: 21 Jun 2018 21:51

Tgt Ion:106 Resp: 328
Ion Ratio Lower Upper
106 100
91 111.0 168.8 253.2#



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





#70

Stvrene

Concen: 2.72 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

ClientSampled :

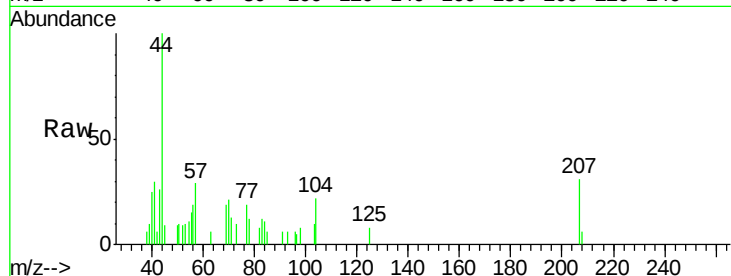
Tot Ion:104 Resp: 972

Ion Ratio Lower Upper

104 100

78 55.3 39.3 58.9

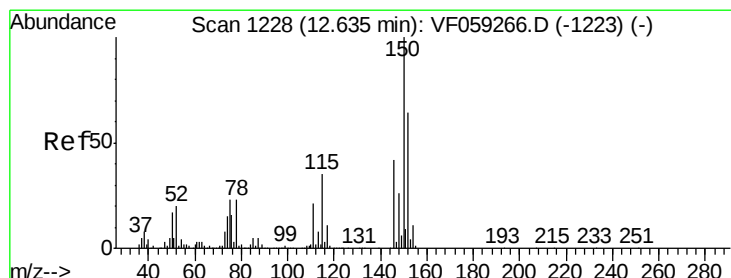
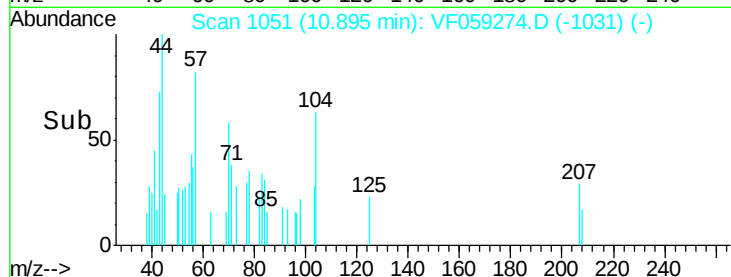
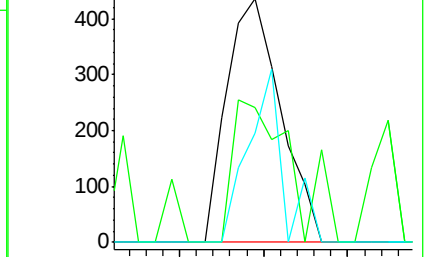
103 44.7 36.6 55.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

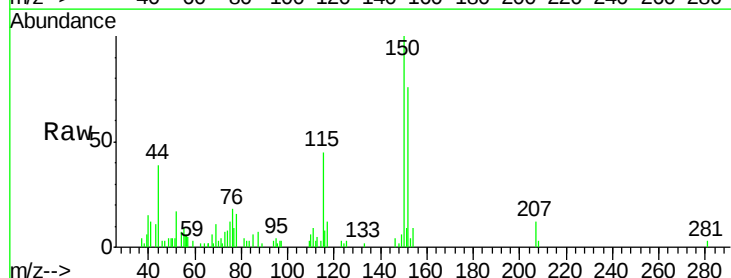
Tgt Ion:152 Resp: 5811

Ion Ratio Lower Upper

152 100

115 59.0 27.8 83.3

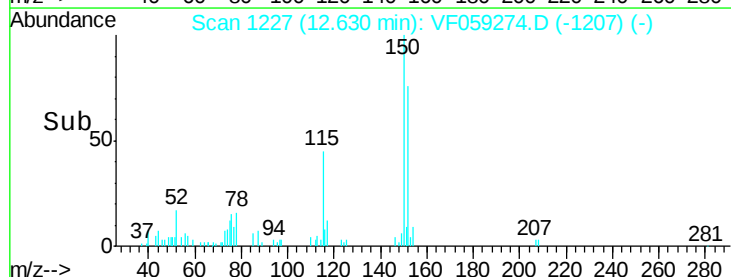
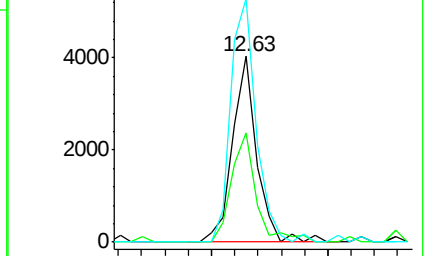
150 131.1 0.0 313.8

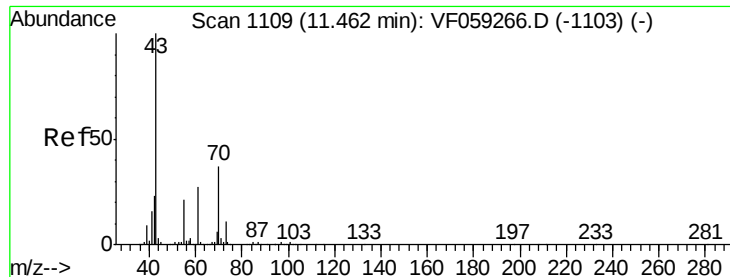


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 18.04 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059274.D

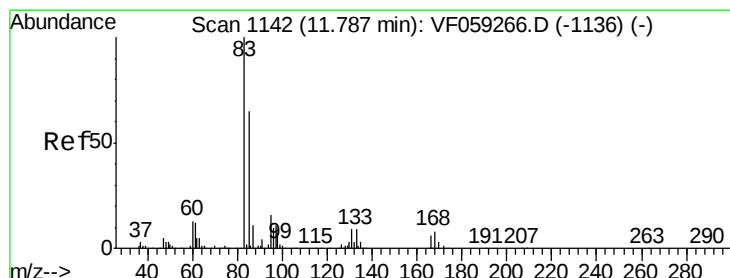
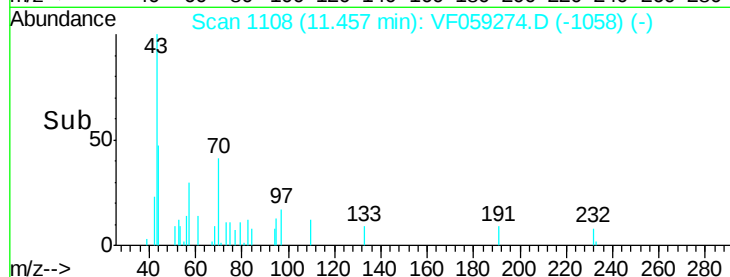
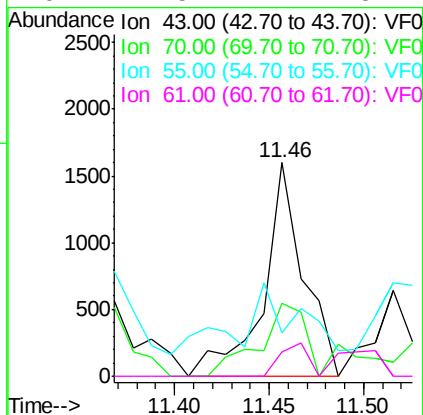
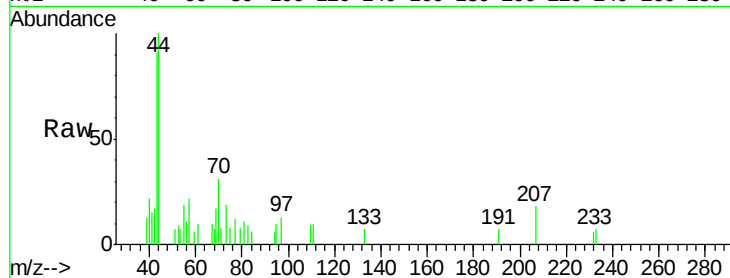
Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	2358
Ion	Ratio	Lower	Upper
43	100		
70	34.3	29.6	44.4
55	20.7	17.0	25.4
61	11.5	21.4	32.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 19.24 ug/l

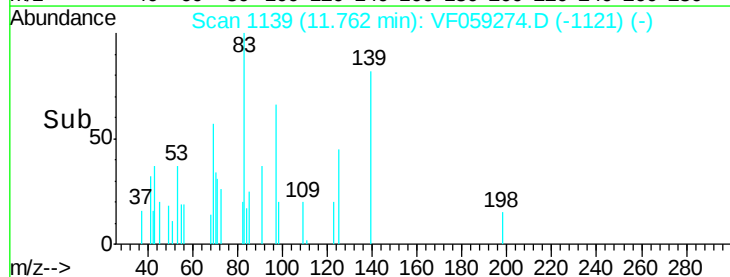
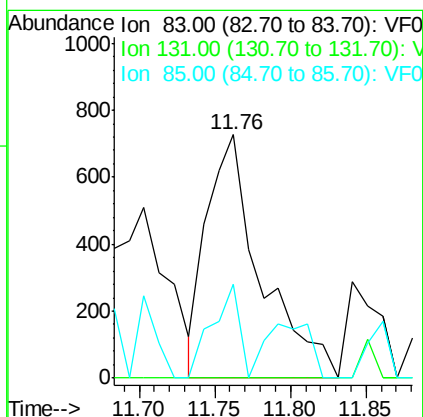
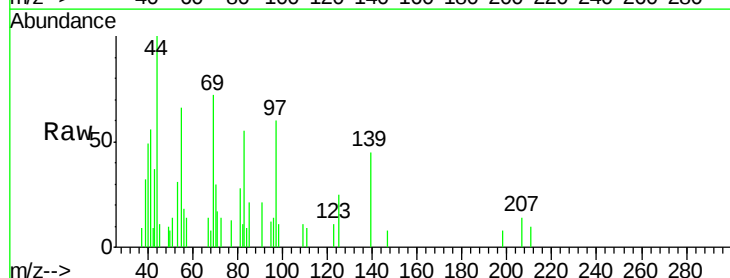
RT: 11.76 min Scan# 1139

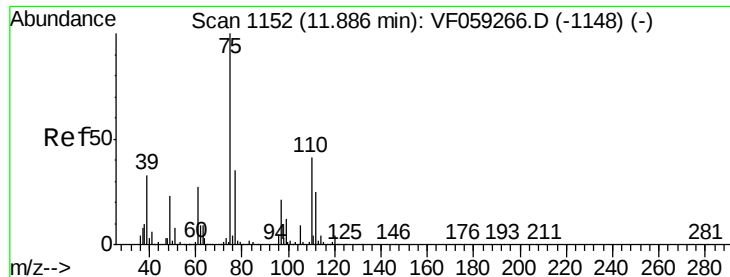
Delta R.T. -0.02 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Tgt Ion:	83	Resp:	1807
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	38.5	32.4	97.2





#76

1,2,3-Trichloropropane

Concen: 5.80 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

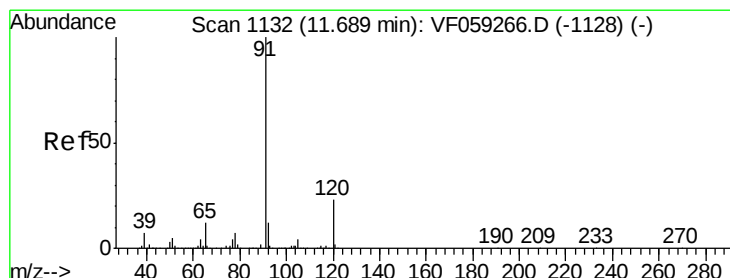
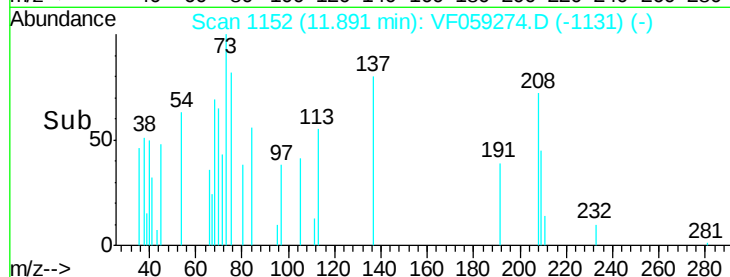
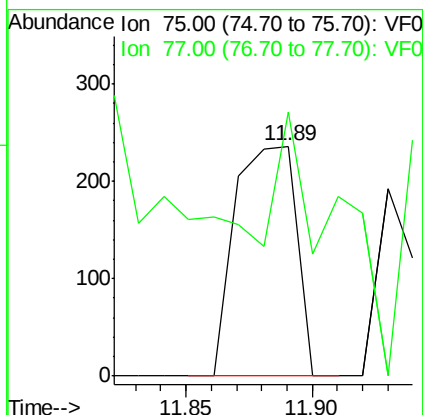
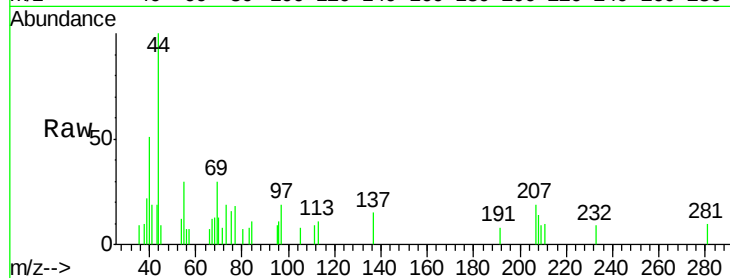
ClientSampleId :

Tot Ion: 75 Resp: 399

Ion Ratio Lower Upper

75 100

77 114.8 17.4 52.2#



#78

n-propylbenzene

Concen: 2.49 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059274.D

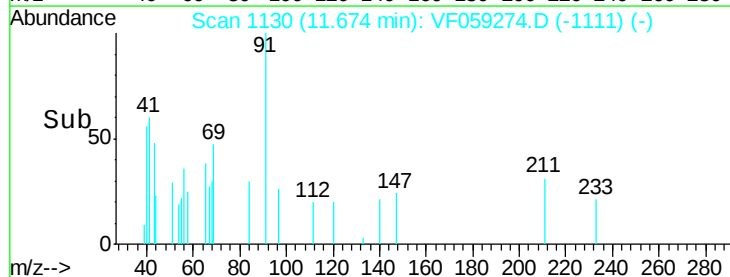
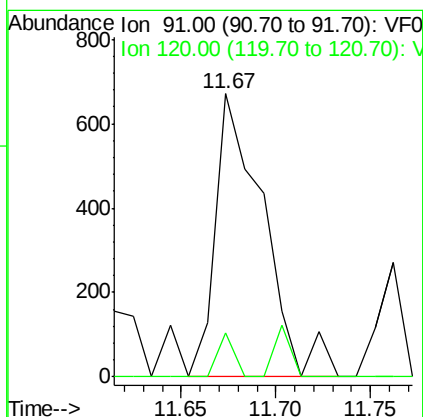
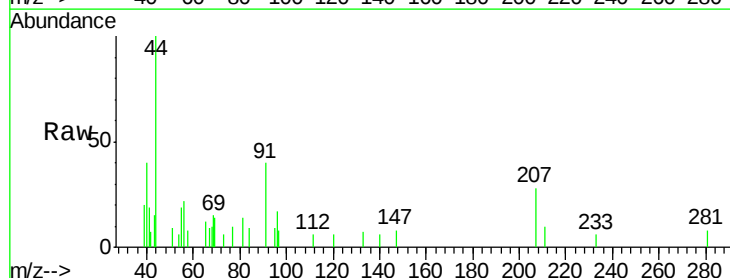
Acq: 21 Jun 2018 21:51

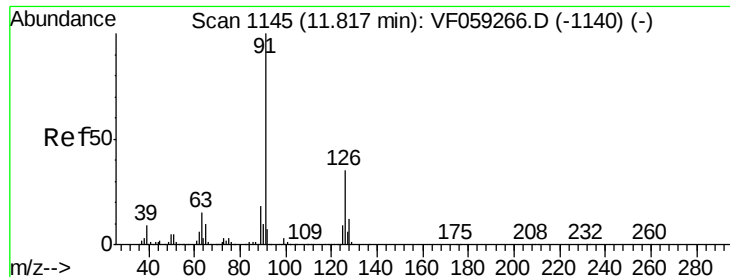
Tgt Ion: 91 Resp: 1179

Ion Ratio Lower Upper

91 100

120 15.5 11.5 34.5





#79

2-Chlorotoluene

Concen: 2.84 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

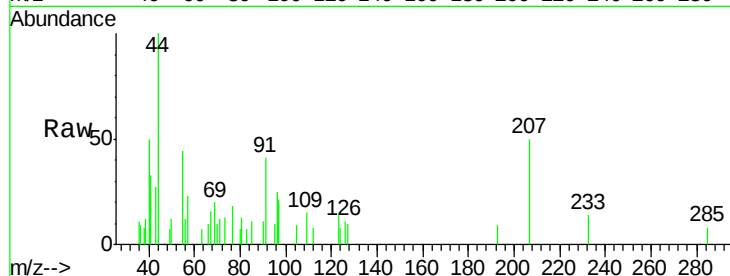
ClientSampleId :

Tot Ion: 91.00 Resp: 806

Ion Ratio Lower Upper

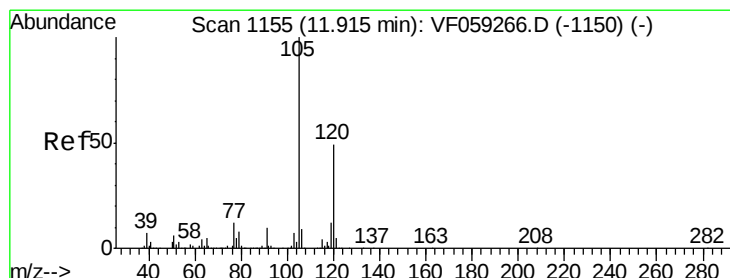
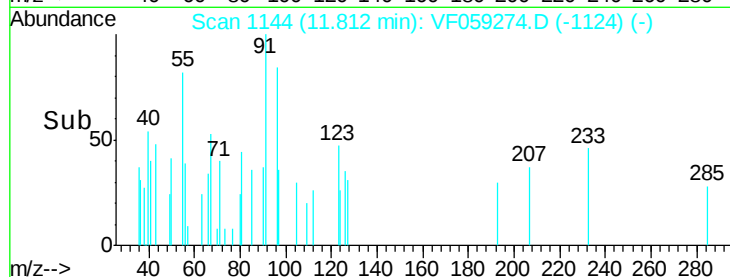
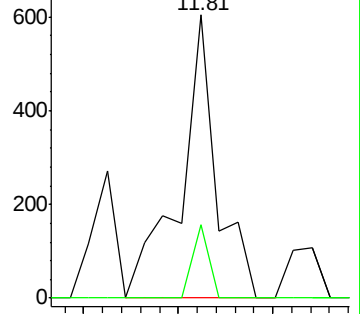
91 100

126 26.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.50 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059274.D

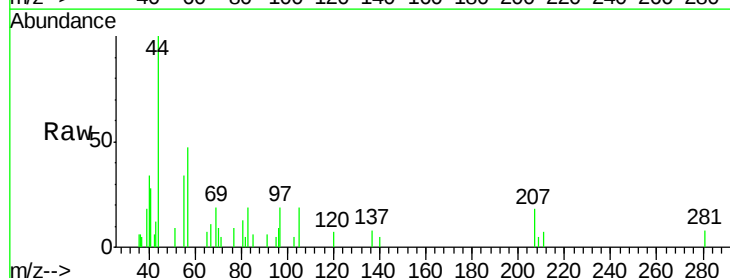
Acq: 21 Jun 2018 21:51

Tgt Ion:105 Resp: 506

Ion Ratio Lower Upper

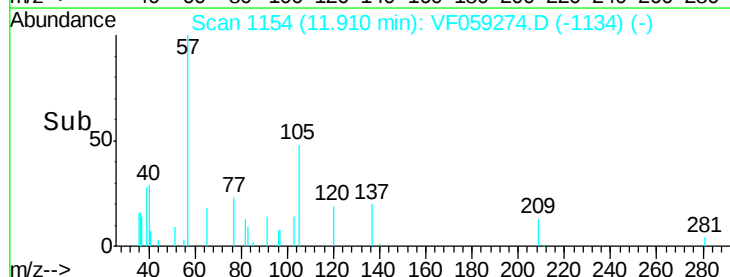
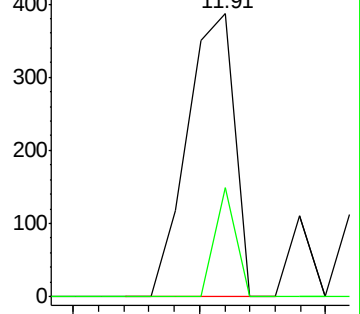
105 100

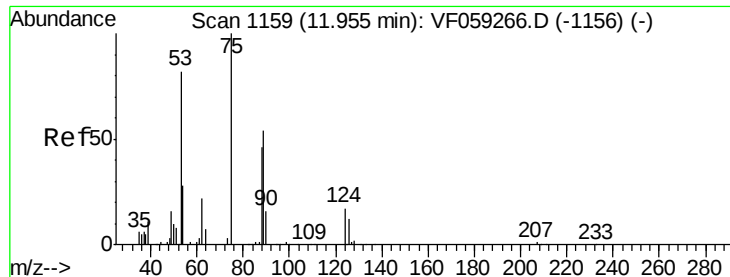
120 38.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.38 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

ClientSampled :

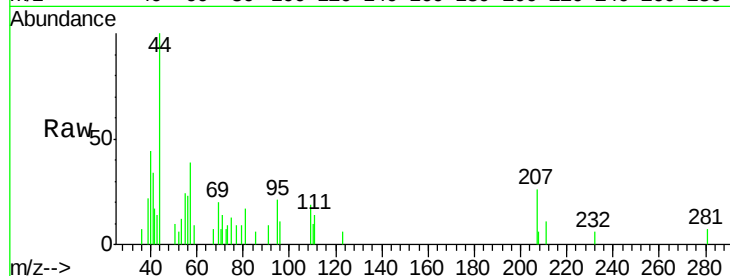
Tot Ion: 75 Resp: 457

Ion Ratio Lower Upper

75 100

53 89.2 70.2 105.2

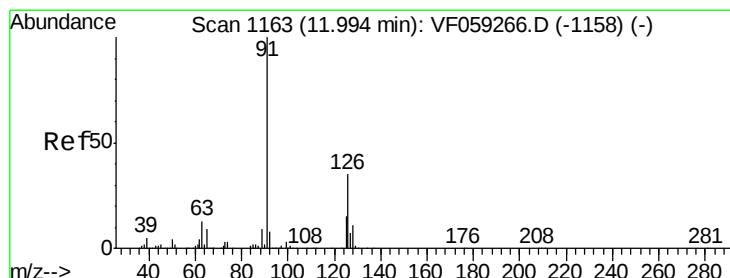
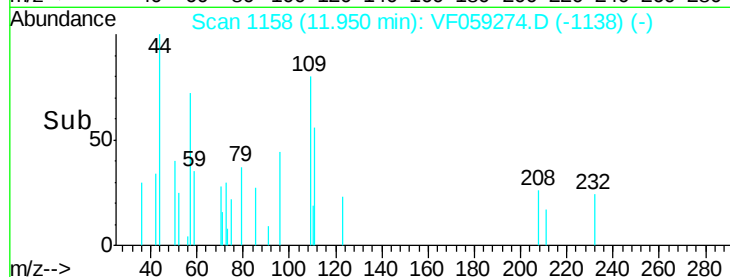
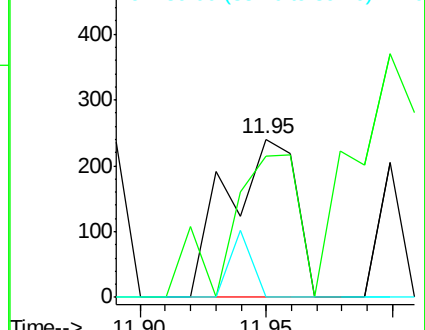
89 0.0 45.3 67.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 4.03 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059274.D

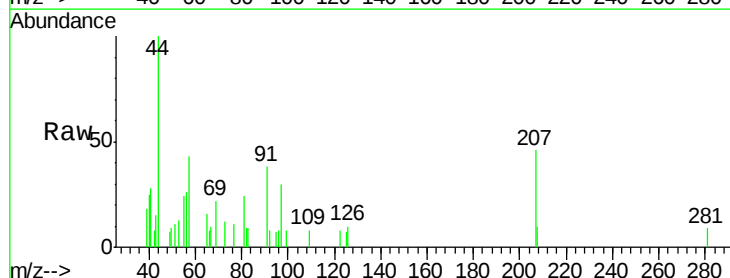
Acq: 21 Jun 2018 21:51

Tgt Ion: 91 Resp: 1229

Ion Ratio Lower Upper

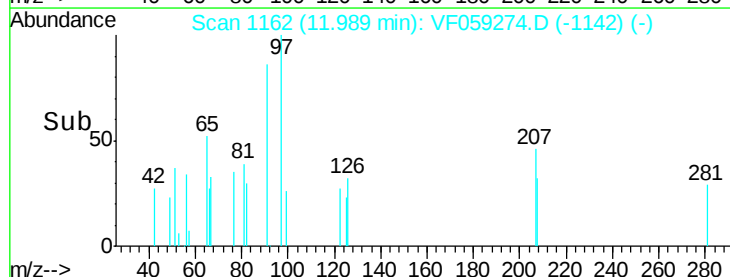
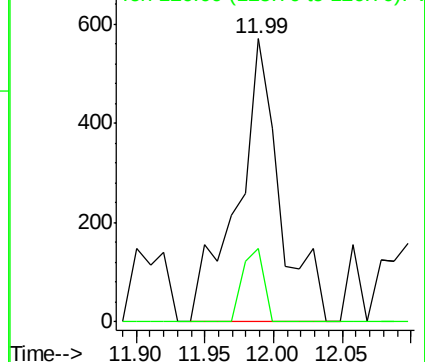
91 100

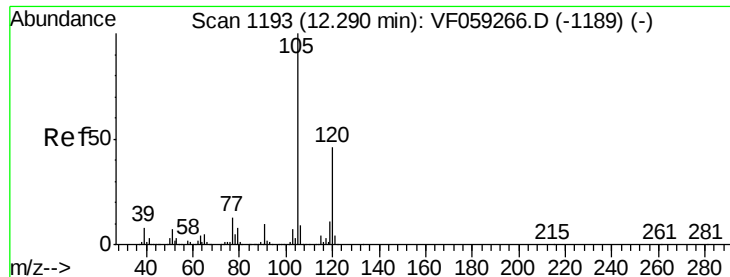
126 26.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#84

1,2,4-Trimethylbenzene

Concen: 2.80 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

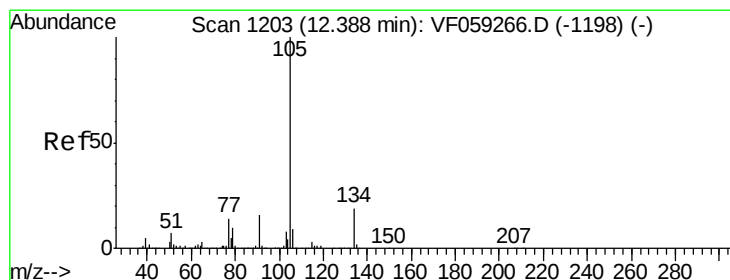
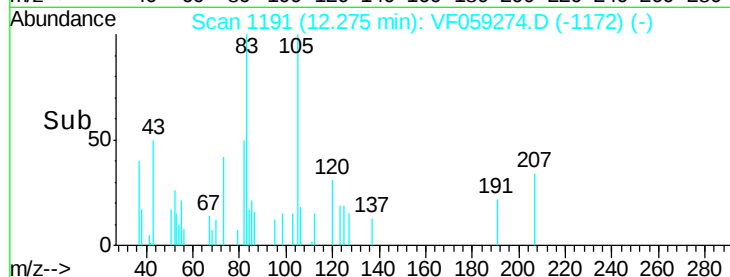
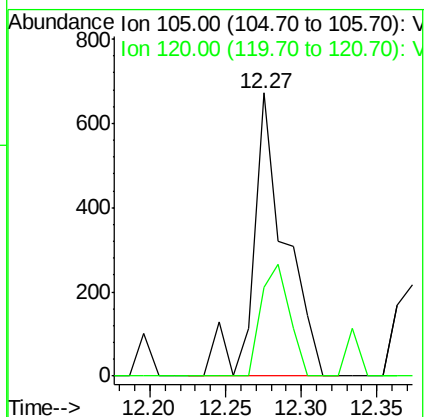
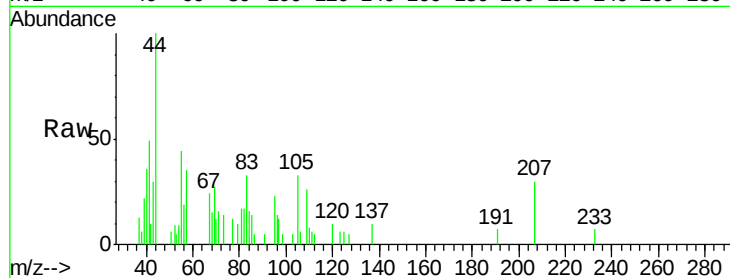
ClientSampleId :

Tot Ion:105 Resp: 998

Ion Ratio Lower Upper

105 100

120 31.3 22.8 68.4



#85

sec-Butylbenzene

Concen: 1.38 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059274.D

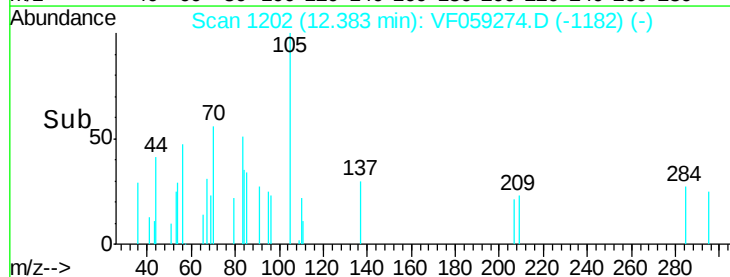
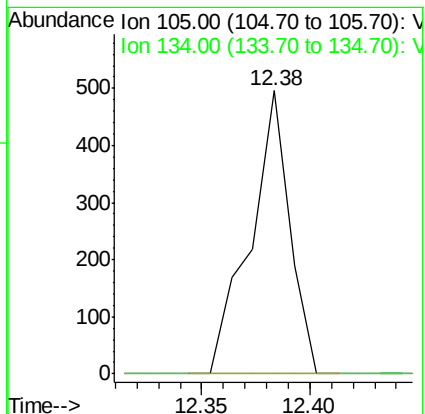
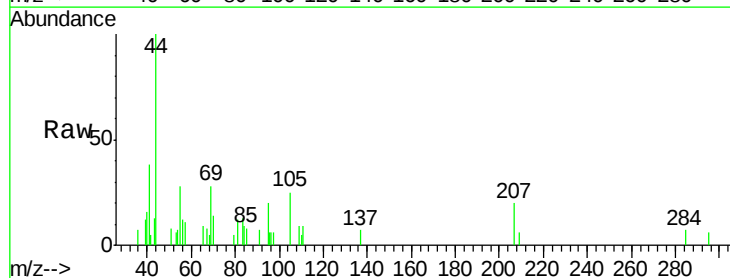
Acq: 21 Jun 2018 21:51

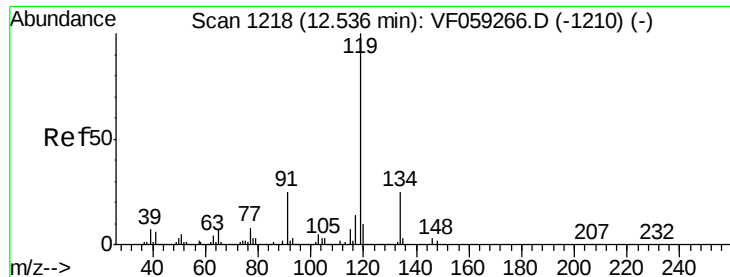
Tgt Ion:105 Resp: 633

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#

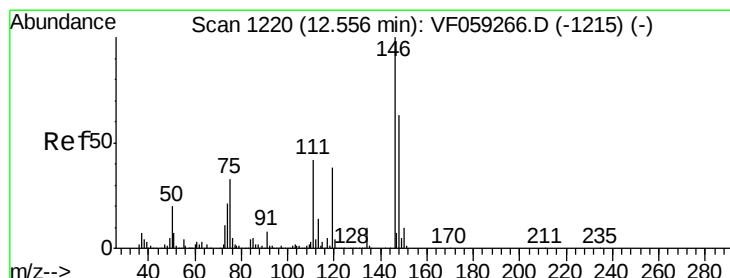
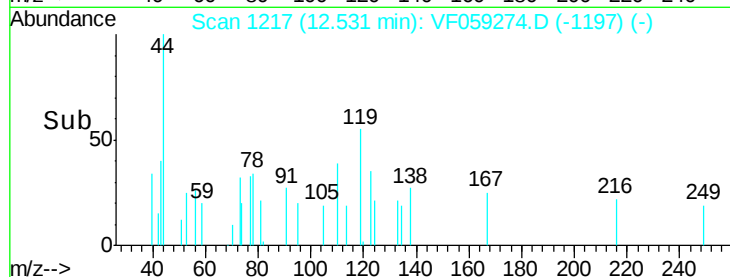
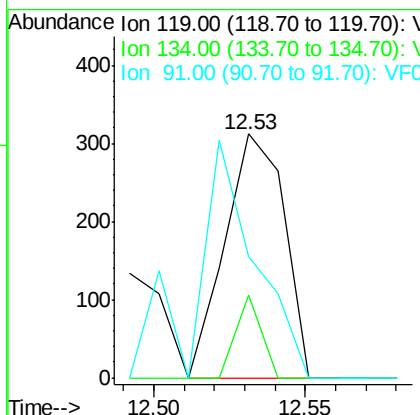
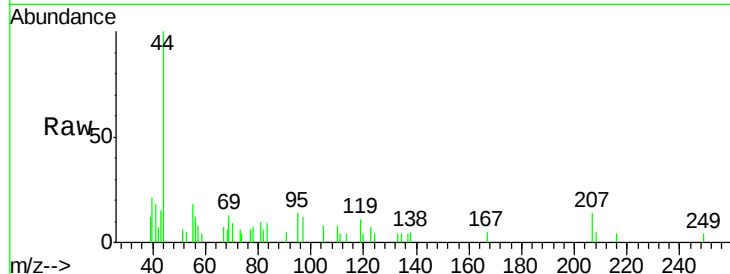




#86
 p-Isopropyltoluene
 Concen: 1.13 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059274.D
 Acq: 21 Jun 2018 21:51

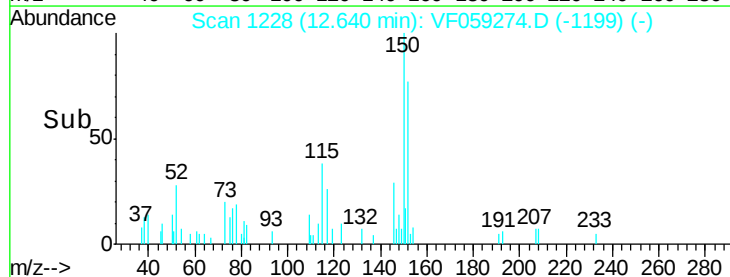
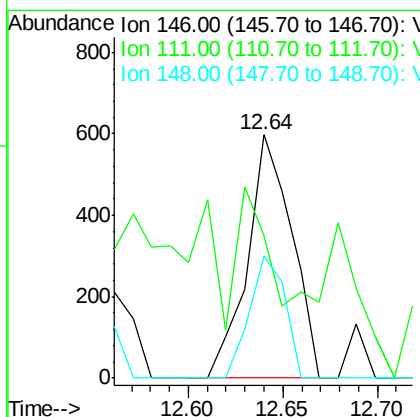
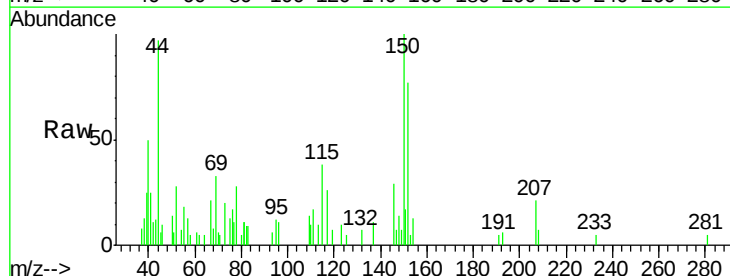
Instrument :
 MSVOA_F
 ClientSampleId :

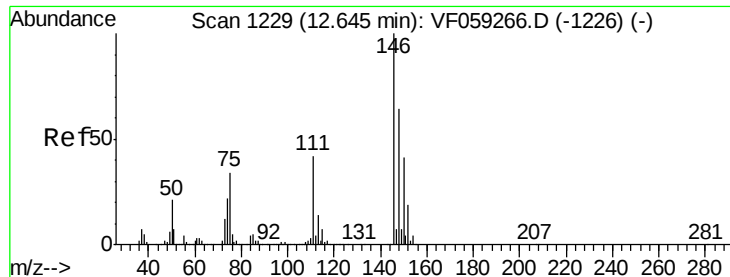
Tot Ion	Ratio	Lower	Upper
119	100		
134	34.0	12.6	37.8
91	49.7	12.6	37.8



#87
 1,3-Dichlorobenzene
 Concen: 5.00 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.08 min
 Lab File: VF059274.D
 Acq: 21 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	58.5	21.0	63.0
148	50.2	31.6	94.8

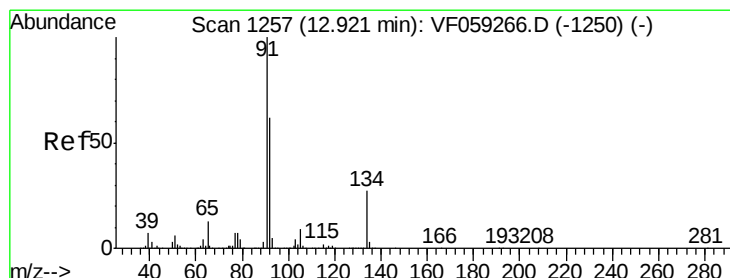
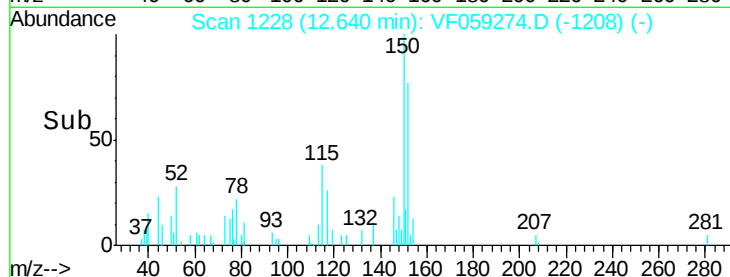
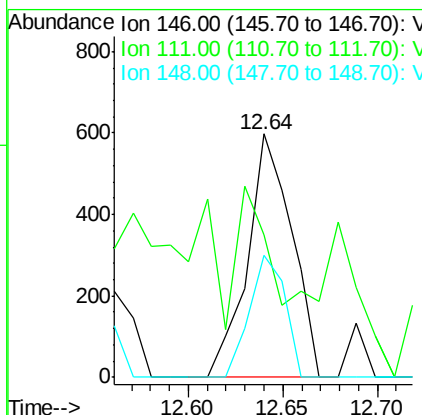
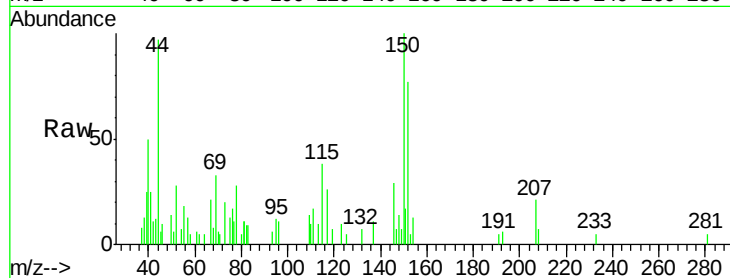




#88
 1,4-Dichlorobenzene
 Concen: 5.07 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059274.D
 Acq: 21 Jun 2018 21:51

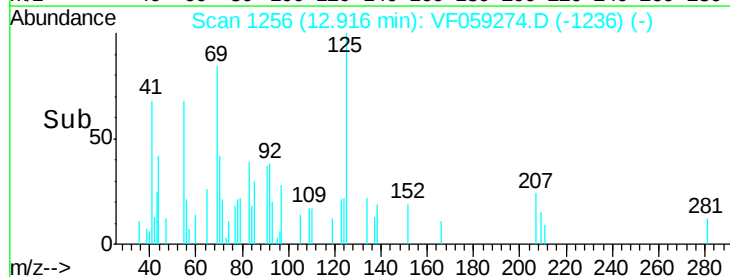
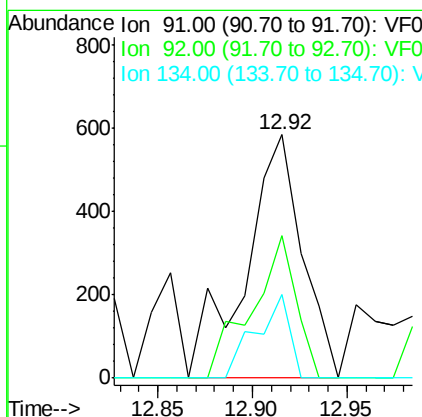
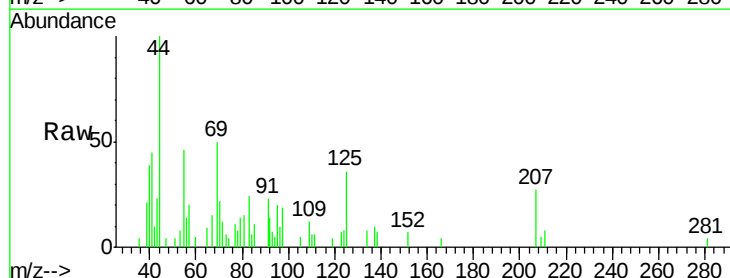
Instrument :
 MSVOA_F
 ClientSampleId :

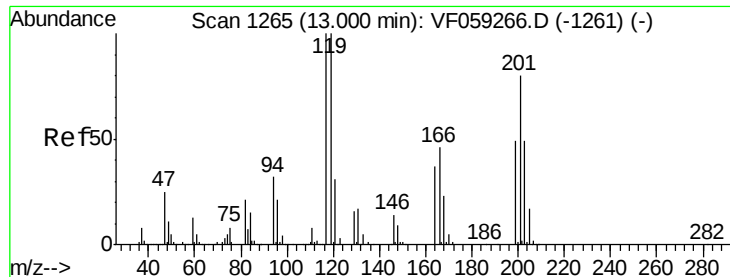
Tot Ion:146 Resp: 970
 Ion Ratio Lower Upper
 146 100
 111 58.5 21.3 63.9
 148 50.2 32.0 96.2



#89
 n-Butylbenzene
 Concen: 3.19 ug/l
 RT: 12.92 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF059274.D
 Acq: 21 Jun 2018 21:51

Tgt Ion: 91 Resp: 1225
 Ion Ratio Lower Upper
 91 100
 92 58.6 31.2 93.6
 134 34.2 13.4 40.1





#90

Hexachloroethane

Concen: 1.48 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

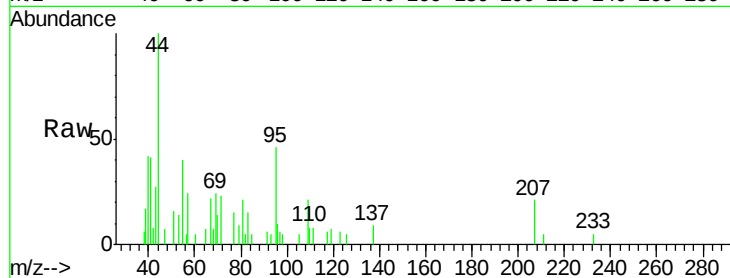
ClientSampled :

Tot Ion:117 Resp: 139

Ion Ratio Lower Upper

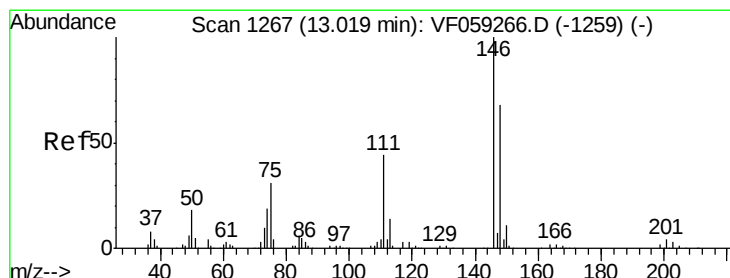
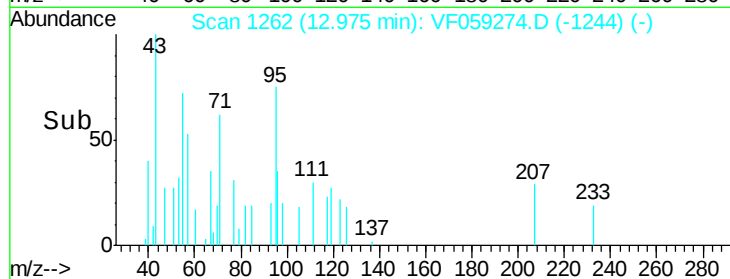
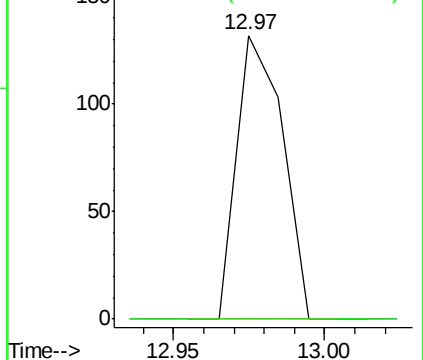
117 100

201 0.0 39.8 119.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#91

1,2-Dichlorobenzene

Concen: 2.78 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

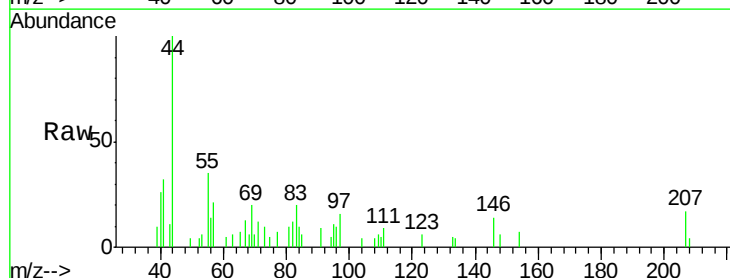
Tgt Ion:146 Resp: 535

Ion Ratio Lower Upper

146 100

111 65.2 22.1 66.3

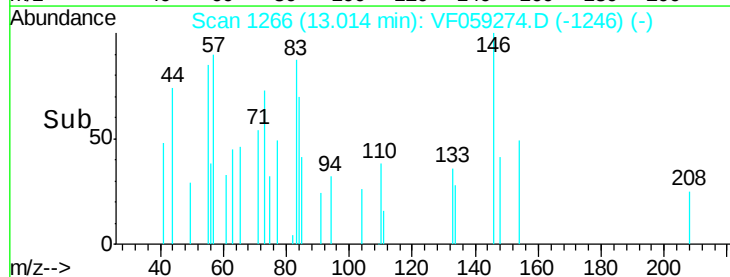
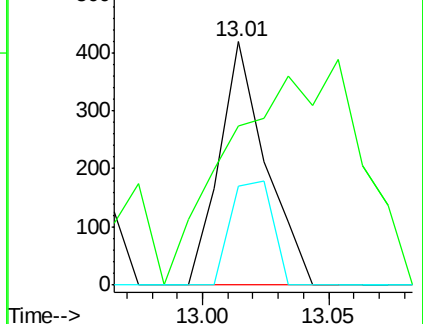
148 40.8 34.0 102.0

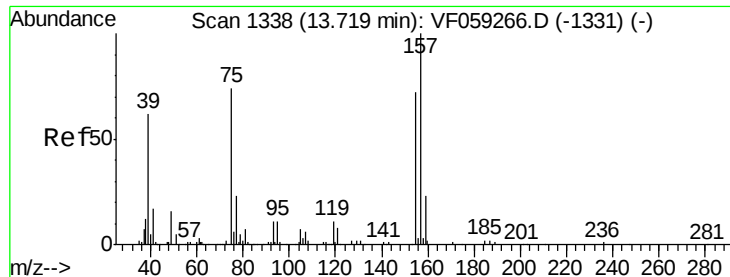


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

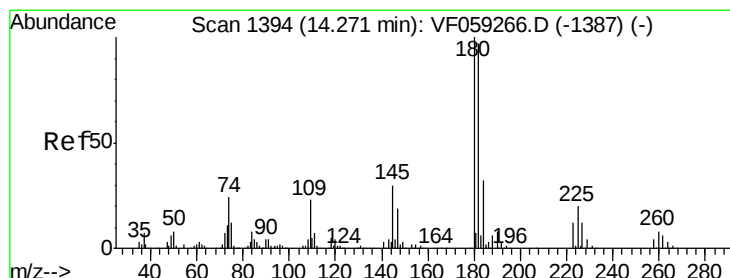
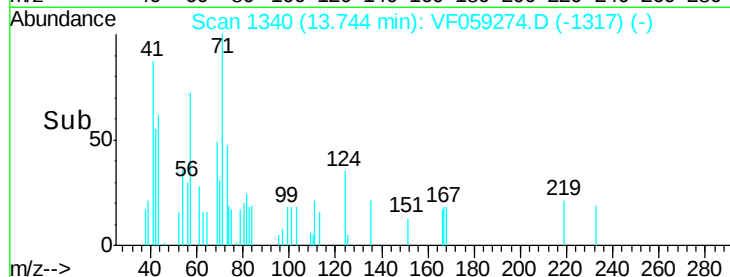
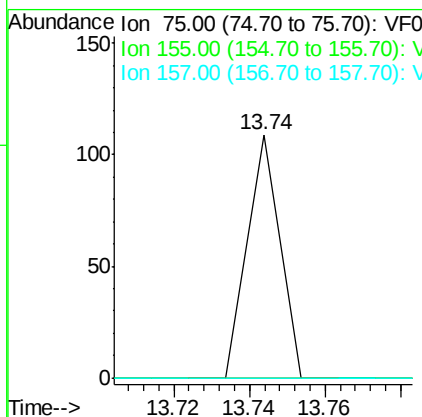
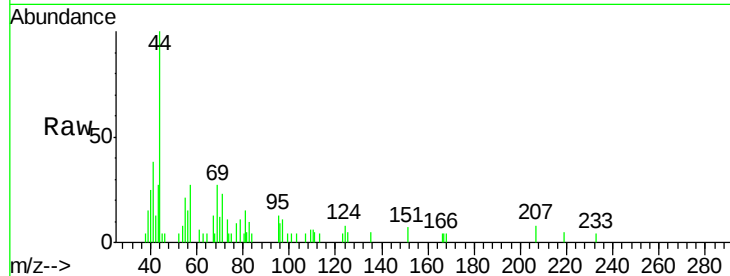




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.16 ug/l
 RT: 13.74 min Scan# 1340
 Delta R.T. 0.02 min
 Lab File: VF059274.D
 Acq: 21 Jun 2018 21:51

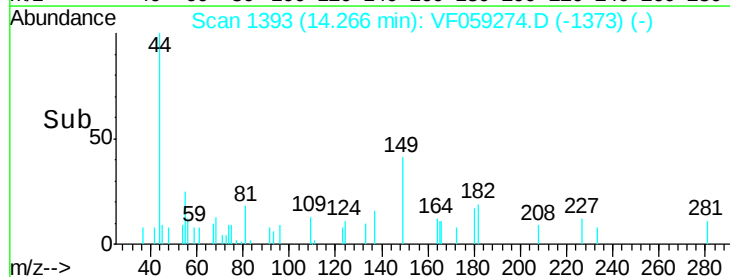
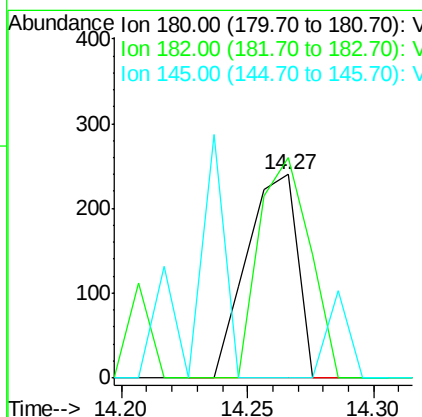
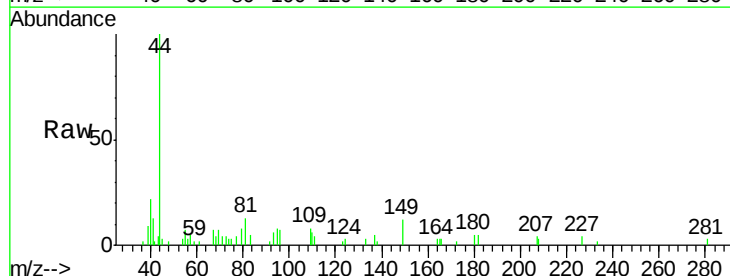
Instrument :
 MSVOA_F
 ClientSampleId :

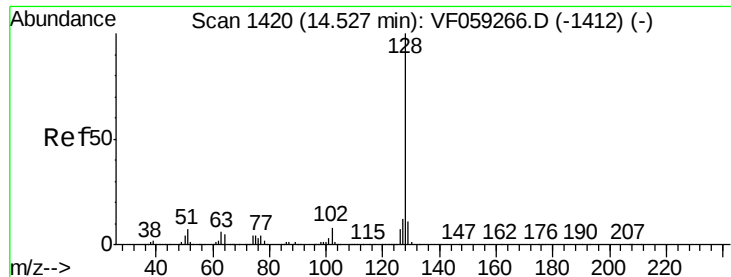
Tot Ion: 75 Resp: 64
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.3 144.9#
 157 0.0 67.2 201.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.40 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059274.D
 Acq: 21 Jun 2018 21:51

Tgt Ion: 180 Resp: 337
 Ion Ratio Lower Upper
 180 100
 182 108.3 48.6 145.9
 145 0.0 15.0 45.1#





#95

Naphthalene

Concen: 6.35 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

Instrument :

MSVOA_F

ClientSampleId :

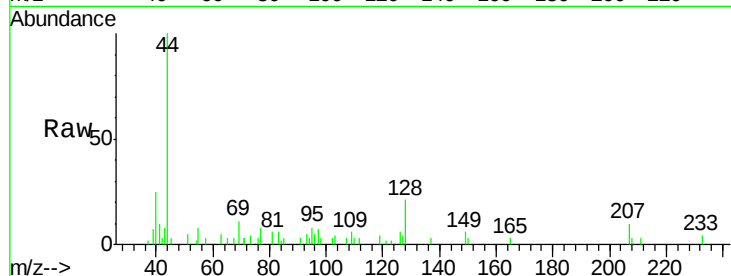
Tot Ion:128 Resp: 1833

Ion Ratio Lower Upper

128 100

127 18.0 9.6 14.4#

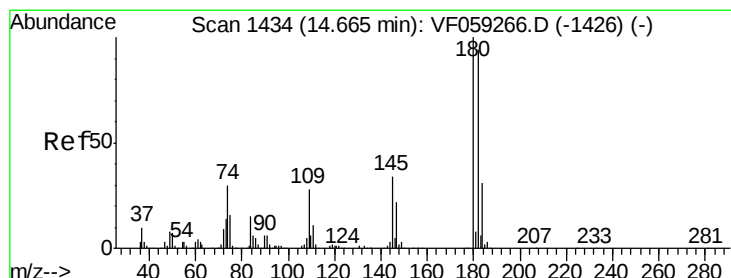
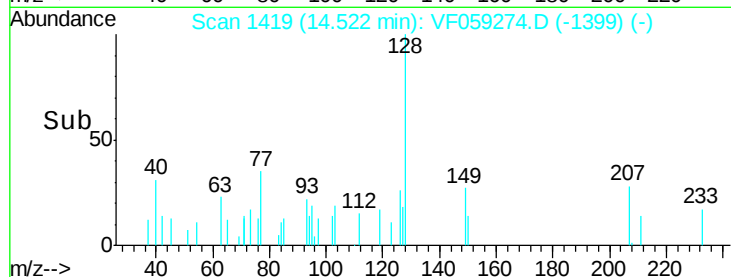
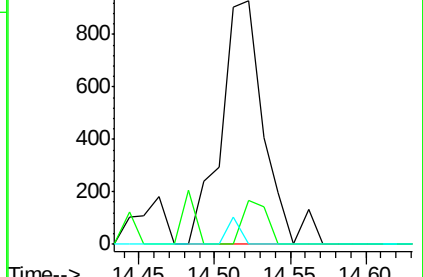
129 0.0 9.0 13.4#



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: 2.49 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VF059274.D

Acq: 21 Jun 2018 21:51

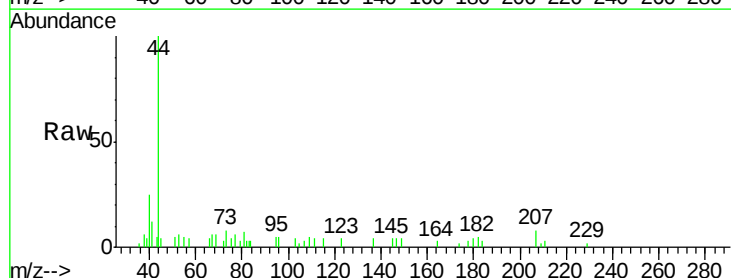
Tgt Ion:180 Resp: 329

Ion Ratio Lower Upper

180 100

182 115.2 46.9 140.7

145 97.0 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

