

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059259.D
 Acq On : 21 Jun 2018 12:50
 Operator : VA/AP
 Sample : J3570-01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 20180371-COMPOSITE-CS-1A

Quant Time: Jun 21 14:06:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	1430	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1299	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	319	18.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.78%	
35) Dibromofluoromethane	4.29	113	263	28.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	57.70%	
50) Toluene-d8	7.71	98	895	33.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.84%	
62) 4-Bromofluorobenzene	11.51	95	567	41.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.88	85	66	4.08	ug/l #	42
3) Chloromethane	1.09	50	67	5.34	ug/l #	41
4) Vinyl Chloride	1.22	62	66	5.84	ug/l #	43
5) Bromomethane	1.22	94	67	10.17	ug/l #	1
6) Chloroethane	1.37	64	67	14.28	ug/l #	44
8) Diethyl Ether	1.76	74	136	30.75	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	2.02	101	63	5.62	ug/l #	19
11) Tert butyl alcohol	2.50	59	79	71.09	ug/l #	71
12) 1,1-Dichloroethene	1.93	96	69	7.32	ug/l #	1
13) Acrolein	2.22	56	72	74.86	ug/l #	71
14) Allyl chloride	2.21	41	159	8.60	ug/l #	4
15) Acrylonitrile	3.07	53	60	27.19	ug/l #	13
16) Acetone	2.31	43	331	79.94	ug/l #	59
17) Carbon Disulfide	1.85	76	927	35.04	ug/l #	78
18) Methyl Acetate	2.44	43	132	18.54	ug/l #	66
19) Methyl tert-butyl Ether	2.52	73	106	3.62	ug/l #	58
20) Methylene Chloride	2.27	84	72	7.26	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	64	6.19	ug/l #	1
22) Diisopropyl ether	2.90	45	59	1.62	ug/l #	38
23) Vinyl Acetate	3.33	43	295	12.31	ug/l #	78
25) 2-Butanone	4.50	43	572	89.10	ug/l #	56
26) 2,2-Dichloropropane	3.71	77	172	10.76	ug/l #	65
27) cis-1,2-Dichloroethene	3.67	96	94	5.91	ug/l #	1
28) Bromochloromethane	3.81	49	98	9.88	ug/l #	2
29) Tetrahydrofuran	4.24	42	221	78.13	ug/l #	36
31) Cyclohexane	3.74	56	82	4.26	ug/l #	15
32) 1,1,1-Trichloroethane	4.17	97	60	2.55	ug/l #	20
36) 1,1-Dichloropropene	4.51	75	62	4.92	ug/l #	42
37) Ethyl Acetate	4.26	43	78	10.03	ug/l #	17
38) Carbon Tetrachloride	4.02	117	86	6.30	ug/l #	13
40) Benzene	4.79	78	86	2.94	ug/l #	50
41) Methacrylonitrile	4.93	41	77	20.15	ug/l #	24
42) 1,2-Dichloroethane	5.24	62	62	4.73	ug/l #	82
43) Isopropyl Acetate	7.10	43	879	84.36	ug/l #	44

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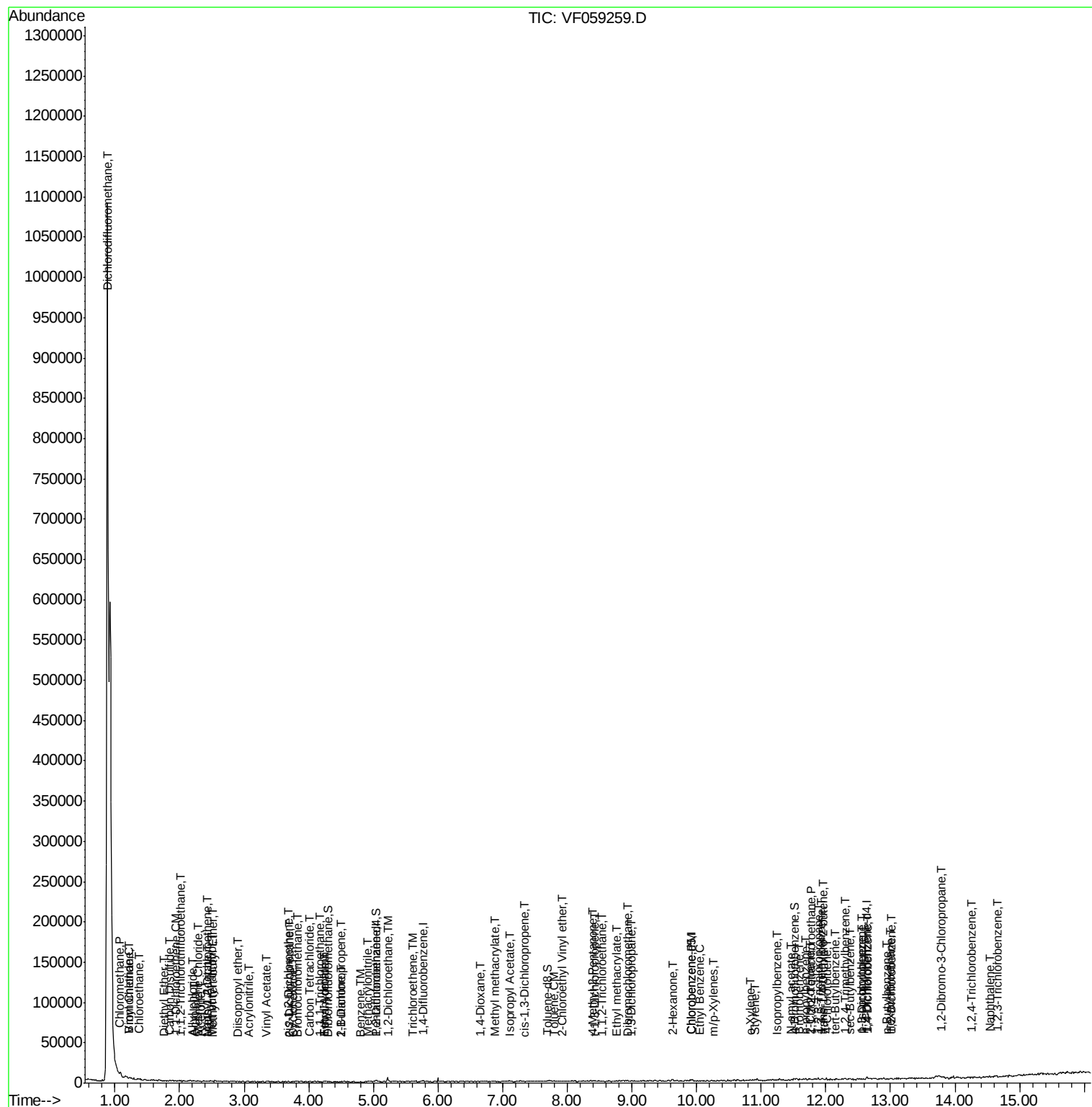
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	5.61	130	72	7.88	ug/l	1
48) Methyl methacrylate	6.88	41	419	65.23	ug/l #	53
49) 1,4-Dioxane	6.65	88	92	2383.58	ug/l #	47
51) 4-Methyl-2-Pentanone	8.41	43	1008	141.15	ug/l #	77
52) Toluene	7.80	92	66	3.14	ug/l #	1
53) t-1,3-Dichloropropene	8.42	75	83	5.94	ug/l #	43
54) cis-1,3-Dichloropropene	7.35	75	63	3.93	ug/l #	1
55) 1,1,2-Trichloroethane	8.52	97	60	7.87	ug/l #	16
56) Ethyl methacrylate	8.76	69	371	38.59	ug/l	94
57) 1,3-Dichloropropane	9.01	76	125	9.58	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.93	63	159	231.27	ug/l	100
59) 2-Hexanone	9.64	43	2222	393.36	ug/l	98
60) Dibromochloromethane	8.95	129	66	6.02	ug/l #	12
65) Chlorobenzene	9.92	112	69	3.27	ug/l #	42
67) Ethyl Benzene	10.04	91	135	3.68	ug/l #	44
68) m/p-Xylenes	10.26	106	73	5.32	ug/l	90
69) o-Xylene	10.83	106	70	4.72	ug/l	41
70) Styrene	10.90	104	234	10.43	ug/l #	60
73) Isopropylbenzene	11.23	105	263	7.74	ug/l #	50
74) N-amyl acetate	11.47	43	176	14.49	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	11.78	83	65	8.07	ug/l #	24
76) 1,2,3-Trichloropropane	11.89	75	185	31.08	ug/l #	37
77) Bromobenzene	11.59	156	136	15.90	ug/l	72
78) n-propylbenzene	11.70	91	352	8.75	ug/l #	53
79) 2-Chlorotoluene	11.77	91	61	2.57	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.92	105	257	9.13	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	150	38.87	ug/l #	19
82) 4-Chlorotoluene	12.01	91	345	13.63	ug/l #	40
83) tert-Butylbenzene	12.15	119	67	2.40	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.29	105	277	9.50	ug/l #	28
85) sec-Butylbenzene	12.38	105	68	1.79	ug/l #	58
86) p-Isopropyltoluene	12.55	119	61	1.96	ug/l #	50
87) 1,3-Dichlorobenzene	12.56	146	129	8.17	ug/l #	49
88) 1,4-Dichlorobenzene	12.65	146	154	10.12	ug/l #	24
89) n-Butylbenzene	12.93	91	123	2.57	ug/l #	41
90) Hexachloroethane	12.99	117	64	8.34	ug/l #	24
91) 1,2-Dichlorobenzene	13.03	146	165	10.84	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.79	75	62	39.22	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.27	180	59	5.54	ug/l #	64
95) Naphthalene	14.55	128	312	13.72	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.66	180	61	6.20	ug/l #	11

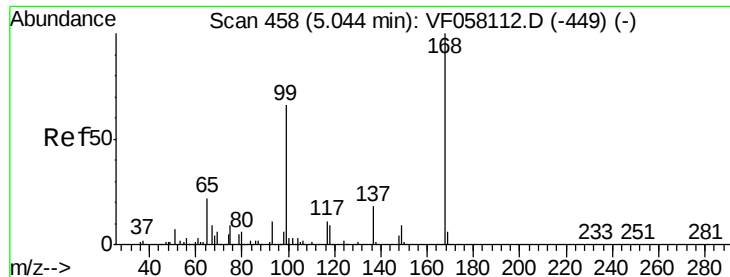
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

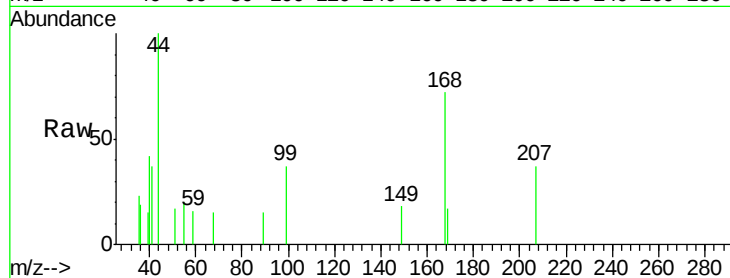
20180371-COMPOSITE-CS-1A

Tot Ion:168 Resp: 1430

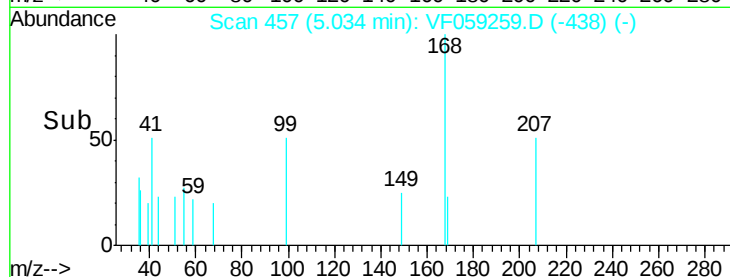
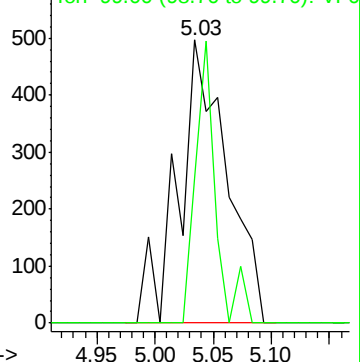
Ion Ratio Lower Upper

168 100

99 51.1 52.9 79.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.08 ug/l

RT: 0.88 min Scan# 36

Delta R.T. -0.10 min

Lab File: VF059259.D

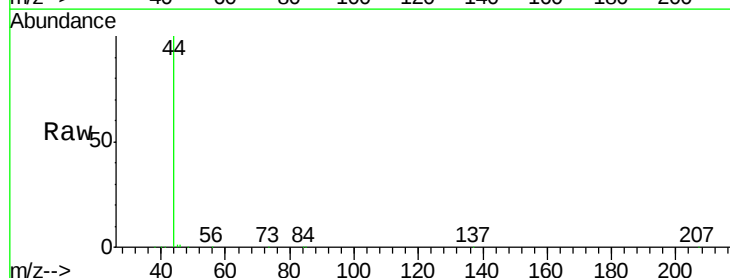
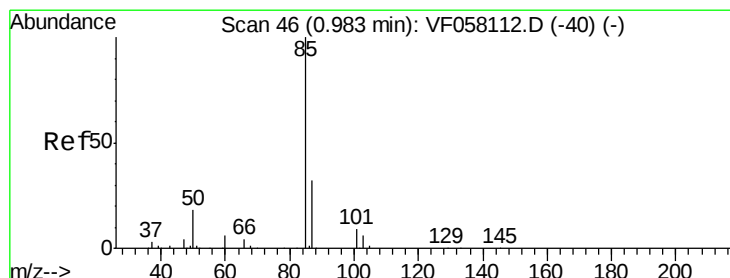
Acq: 21 Jun 2018 12:50

Tgt Ion: 85 Resp: 66

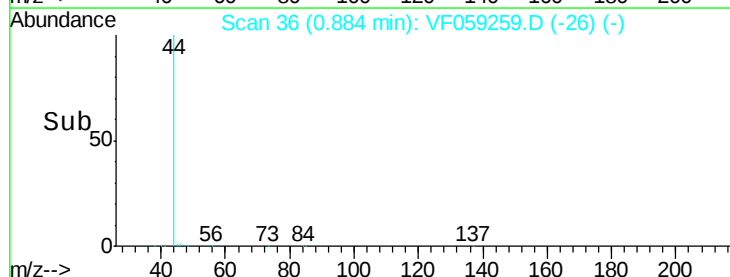
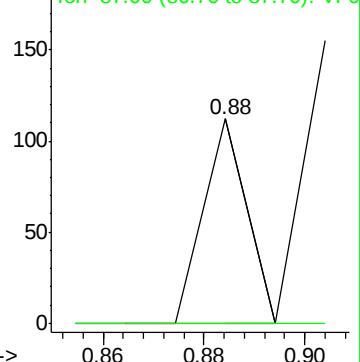
Ion Ratio Lower Upper

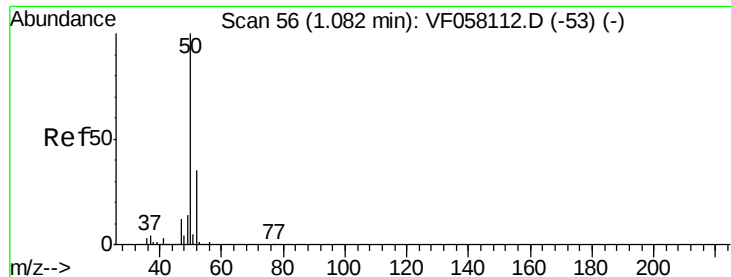
85 100

87 0.0 16.2 48.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 5.34 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

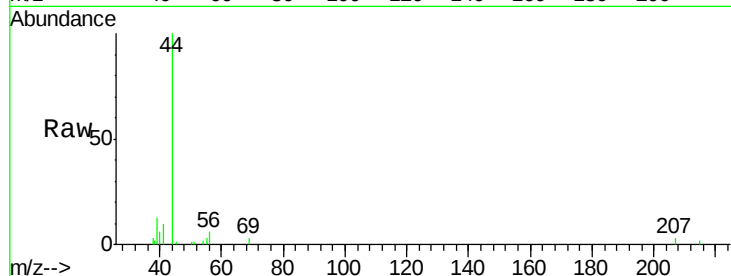
20180371-COMPOSITE-CS-1A

Tot Ion: 50 Resp: 67

Ion Ratio Lower Upper

50 100

52 0.0 27.3 40.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

100

80

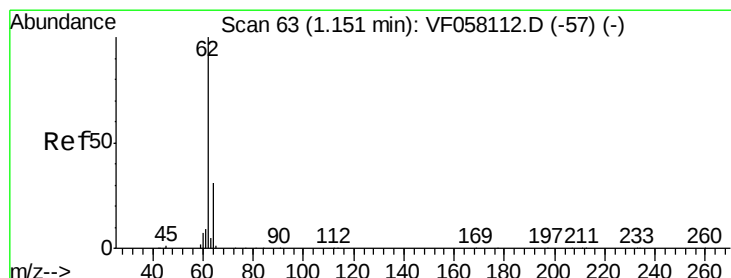
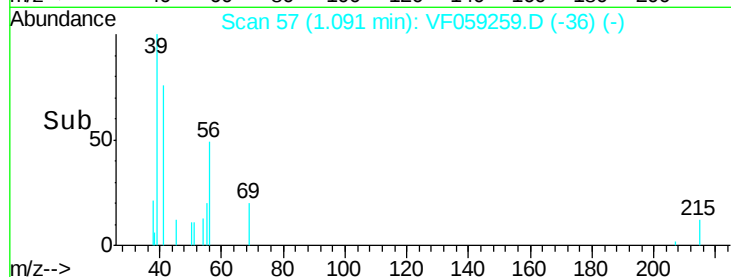
60

40

20

0

Time-->



#4

Vinyl Chloride

Concen: 5.84 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.07 min

Lab File: VF059259.D

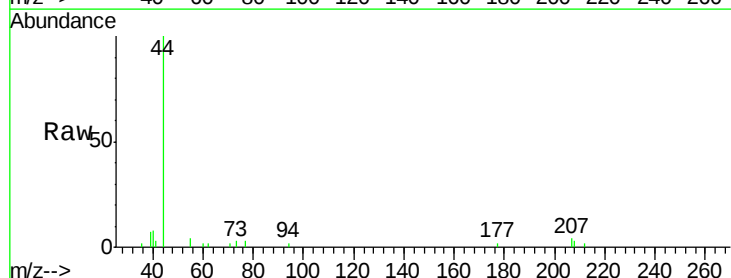
Acq: 21 Jun 2018 12:50

Tgt Ion: 62 Resp: 66

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.22

120

100

80

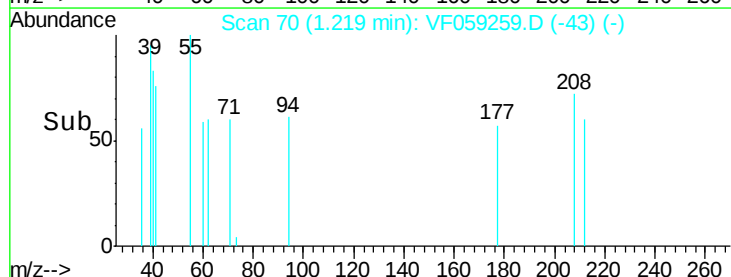
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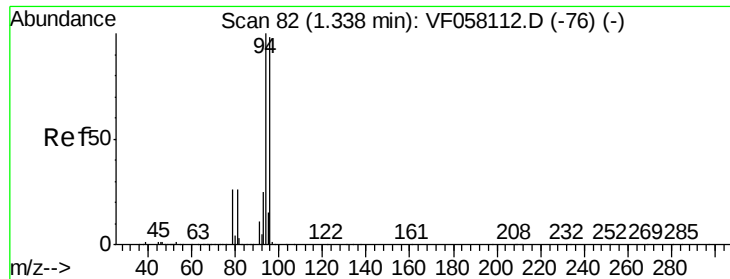
40

20

0

Time-->





#5

Bromomethane

Concen: 10.17 ug/l

RT: 1.22 min Scan# 70

Delta R.T. -0.12 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

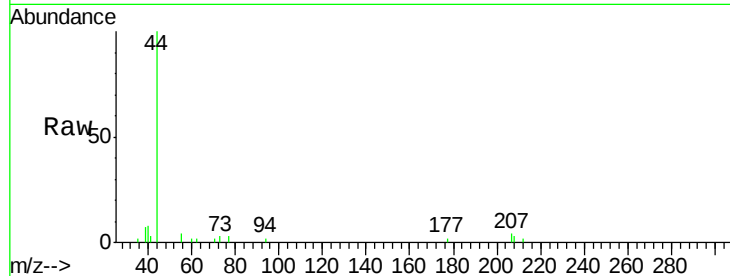
20180371-COMPOSITE-CS-1A

Tot Ion: 94 Resp: 67

Ion Ratio Lower Upper

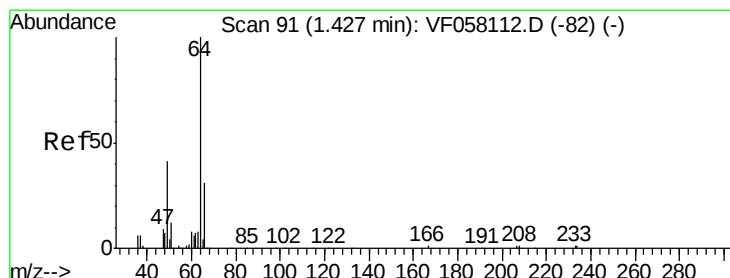
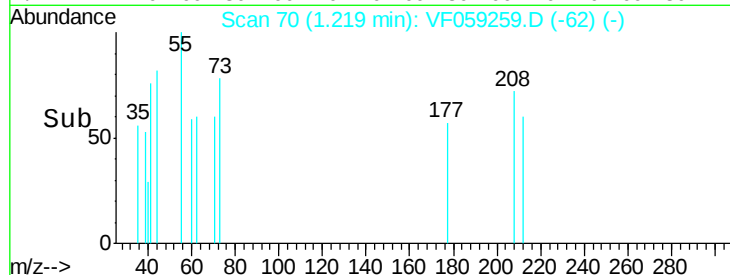
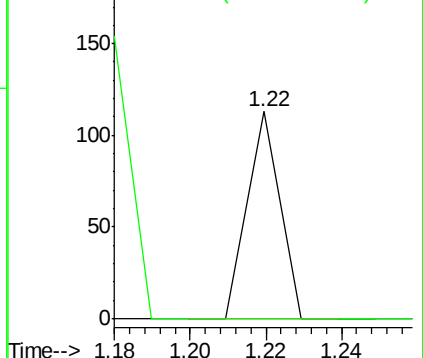
94 100

96 0.0 78.6 117.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 14.28 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.06 min

Lab File: VF059259.D

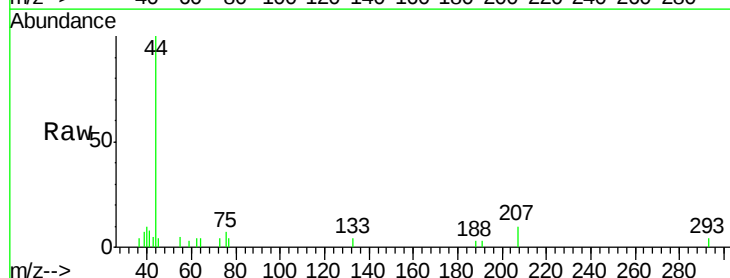
Acq: 21 Jun 2018 12:50

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

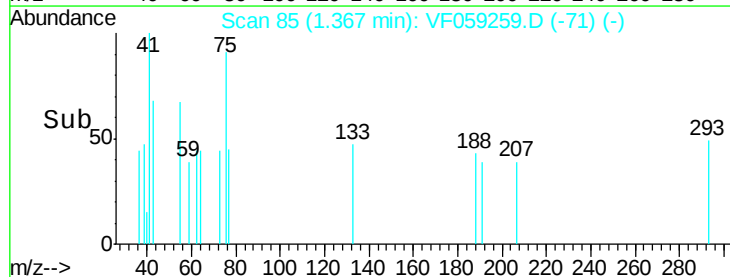
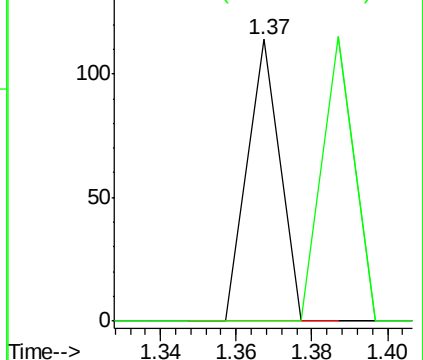
64 100

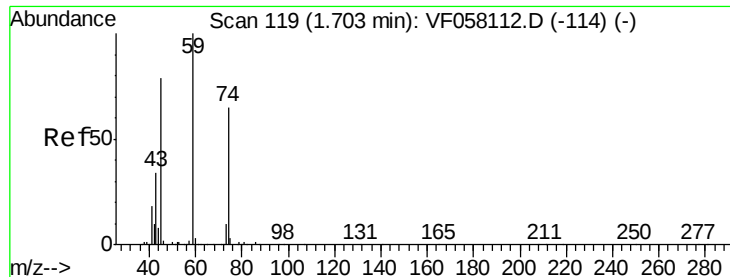
66 0.0 24.9 37.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 30.75 ug/l

RT: 1.76 min Scan# 125

Delta R.T. 0.06 min

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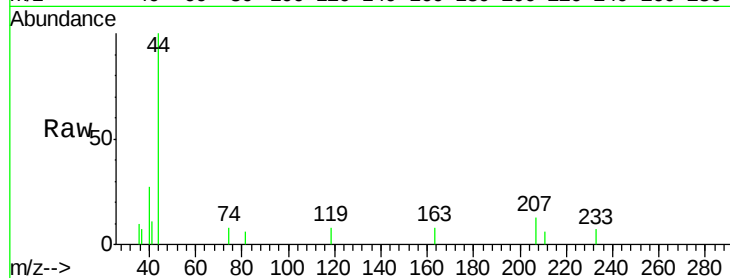
20180371-COMPOSITE-CS-1A

Tot Ion: 74 Resp: 136

Ion Ratio Lower Upper

74 100

45 0.0 61.5 184.4#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.76

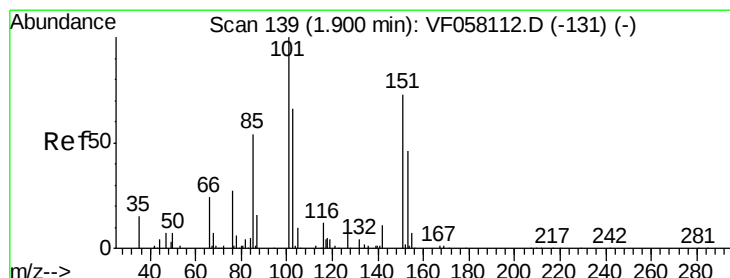
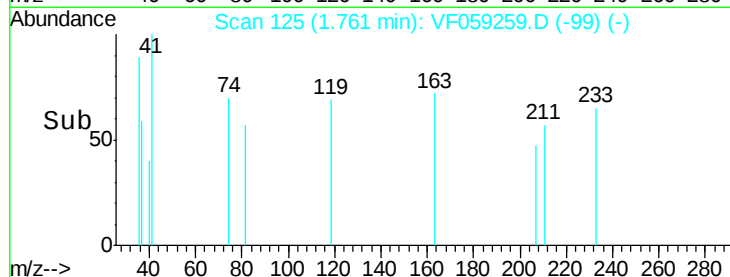
100

50

0

1.72 1.74 1.76 1.78

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.62 ug/l

RT: 2.02 min Scan# 151

Delta R.T. 0.12 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

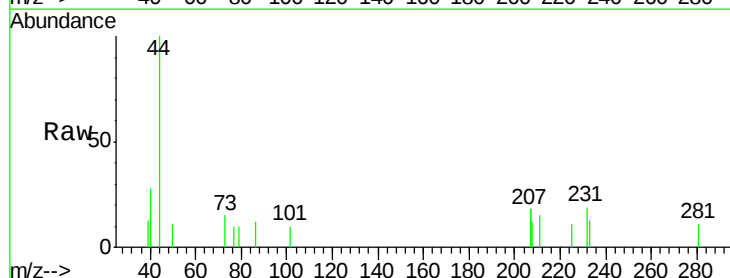
Tgt Ion: 101 Resp: 63

Ion Ratio Lower Upper

101 100

85 0.0 42.2 63.4#

151 0.0 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

2.02

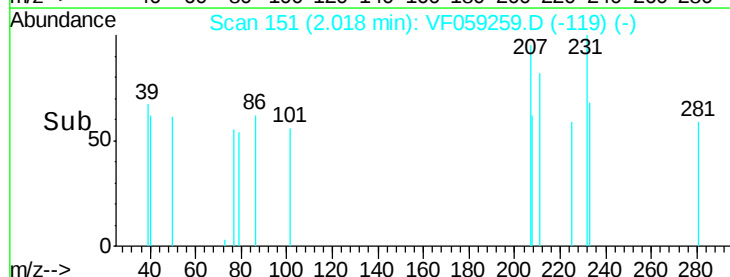
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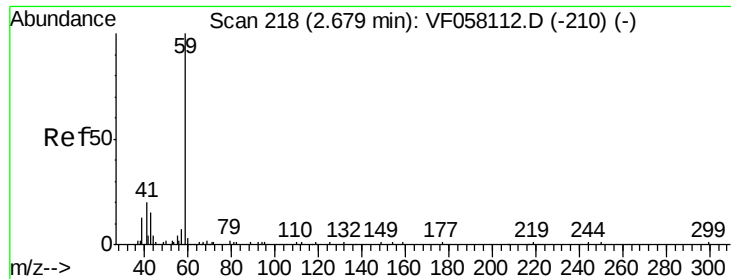
50

0

1.98 2.00 2.02 2.04

Time-->



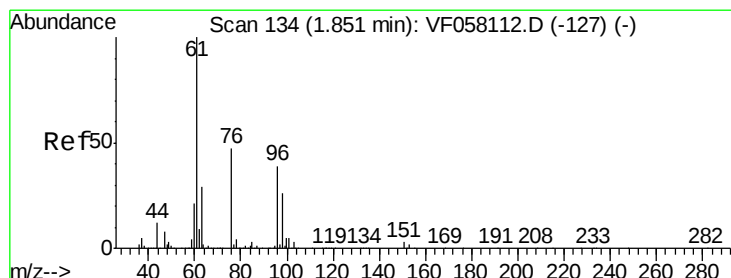
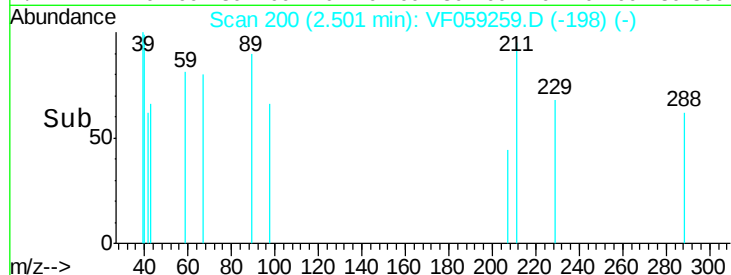
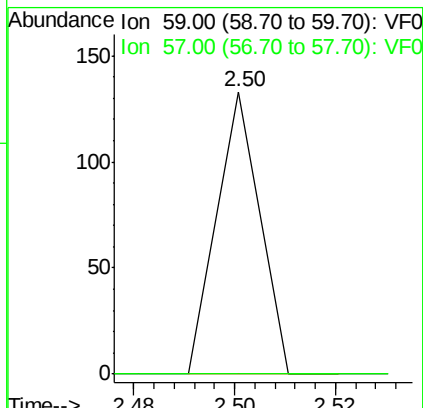
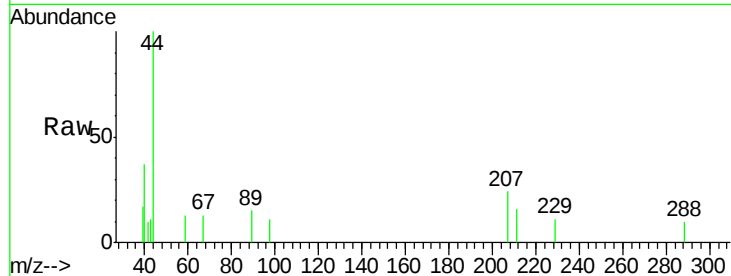


#11

Tert butyl alcohol
 Concen: 71.09 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. -0.18 min
 Lab File: VF059259.D
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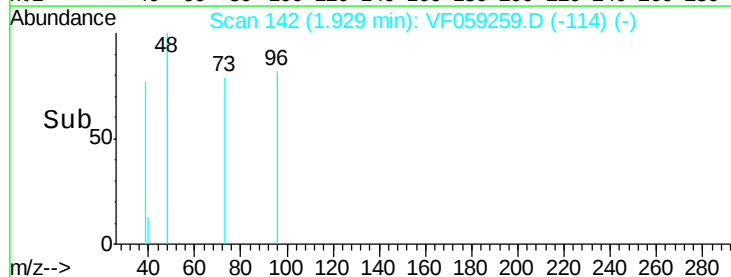
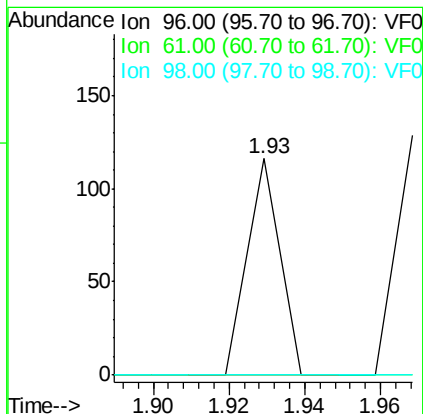
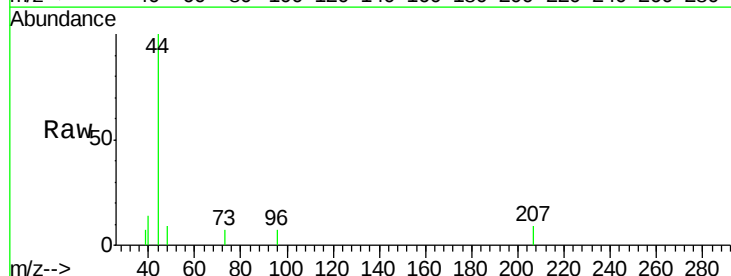
Tot Ion: 59 Resp: 79
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

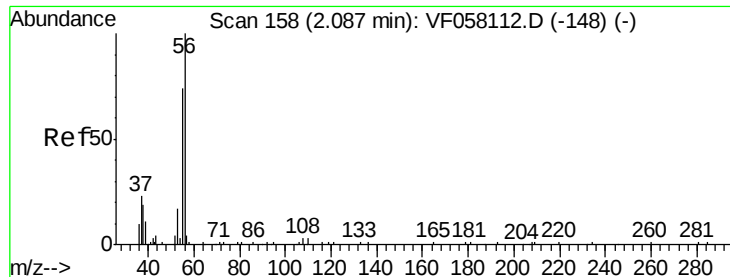


#12

1,1-Dichloroethene
 Concen: 7.32 ug/l
 RT: 1.93 min Scan# 142
 Delta R.T. 0.08 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

Tgt Ion: 96 Resp: 69
 Ion Ratio Lower Upper
 96 100
 61 0.0 203.0 304.4#
 98 0.0 52.7 79.1#





#13

Acrolein

Concen: 74.86 ug/l

RT: 2.22 min Scan# 172

Delta R.T. 0.14 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

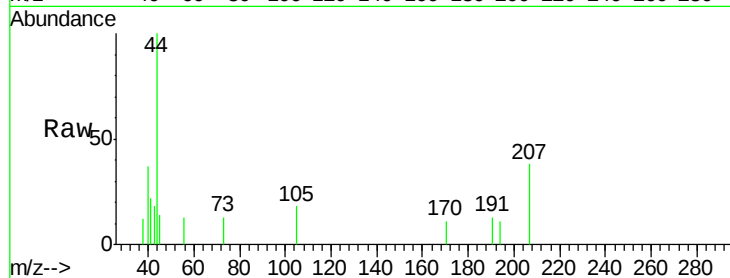
20180371-COMPOSITE-CS-1A

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 100.0 60.0 90.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

200

150

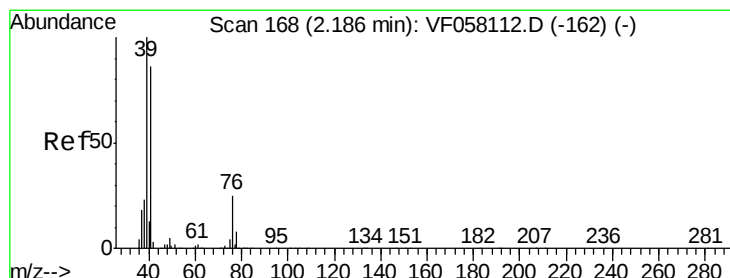
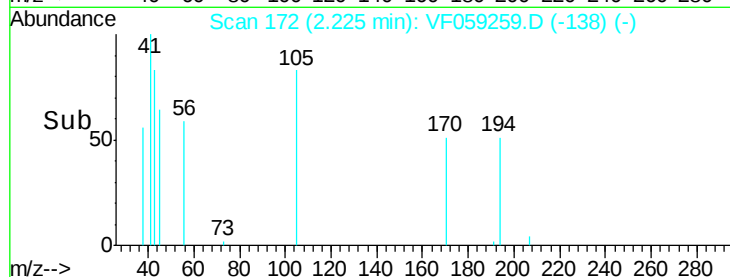
100

50

0

2.20 2.22 2.24

Time-->



#14

Allyl chloride

Concen: 8.60 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

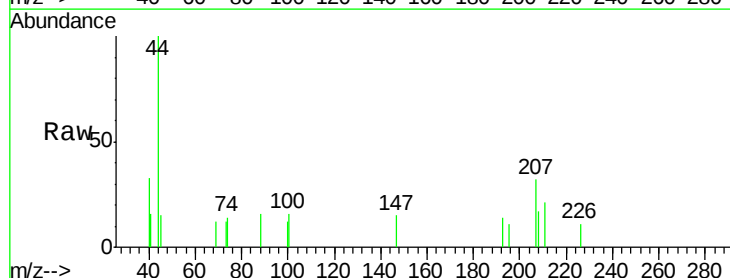
Tgt Ion: 41 Resp: 159

Ion Ratio Lower Upper

41 100

39 0.0 93.5 140.3#

76 0.0 23.9 35.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

400

300

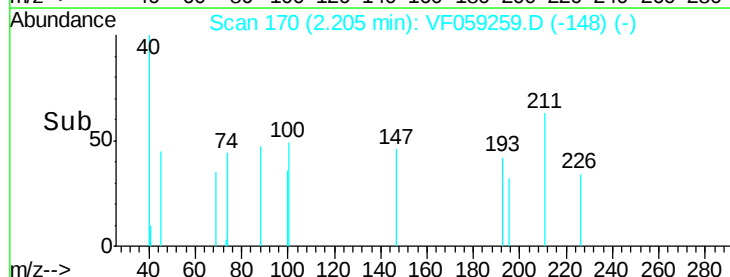
200

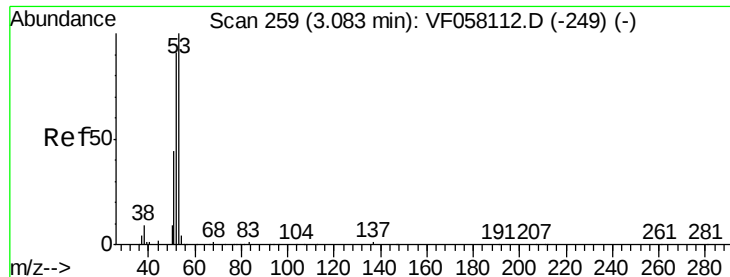
100

0

2.16 2.18 2.20 2.22

Time-->





#15

Acrylonitrile

Concen: 27.19 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

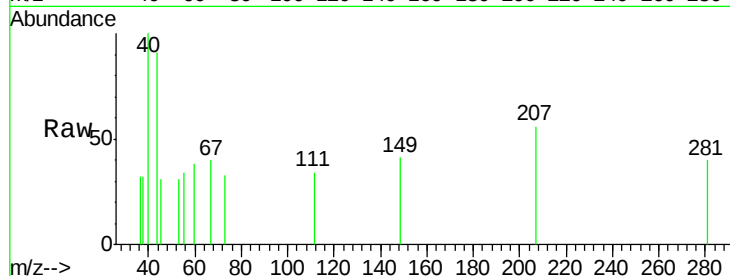
Tot Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

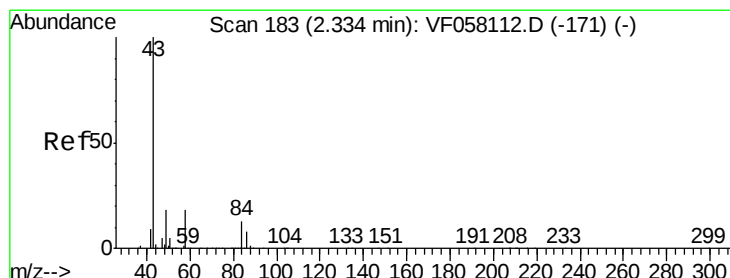
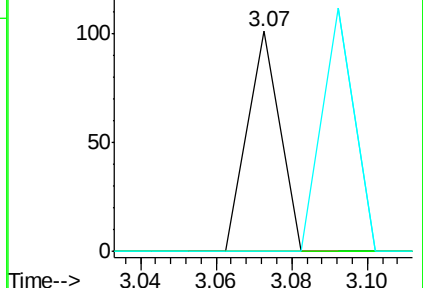
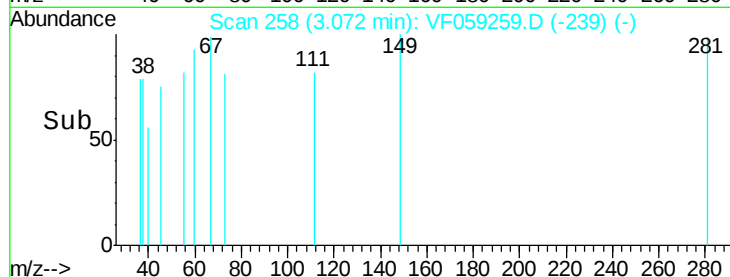
51 0.0 35.6 53.4#



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: 79.94 ug/l

RT: 2.31 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF059259.D

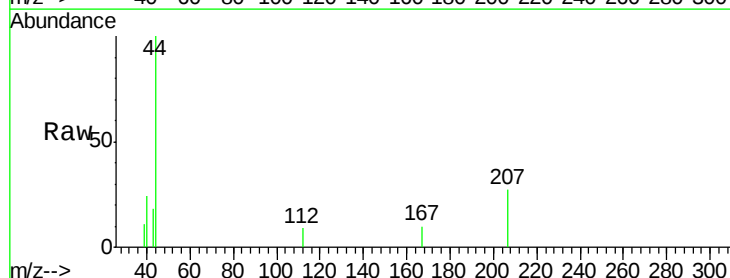
Acq: 21 Jun 2018 12:50

Tgt Ion: 43 Resp: 331

Ion Ratio Lower Upper

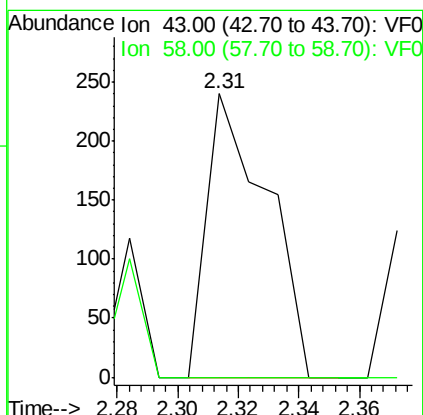
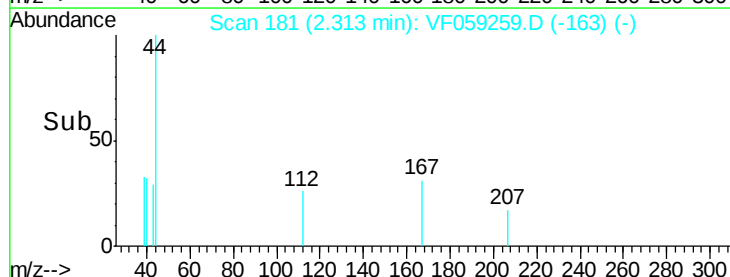
43 100

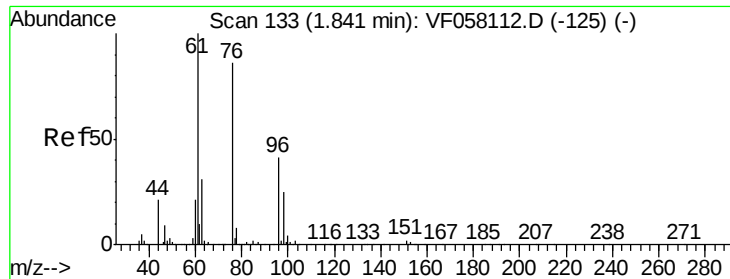
58 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

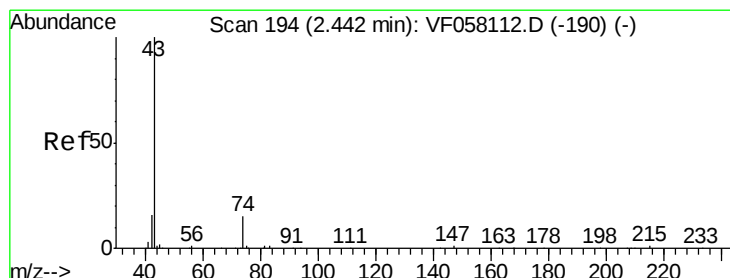
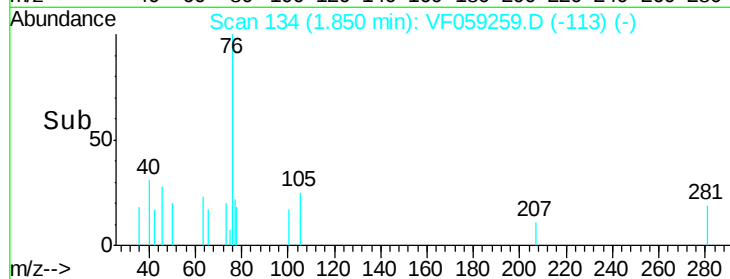
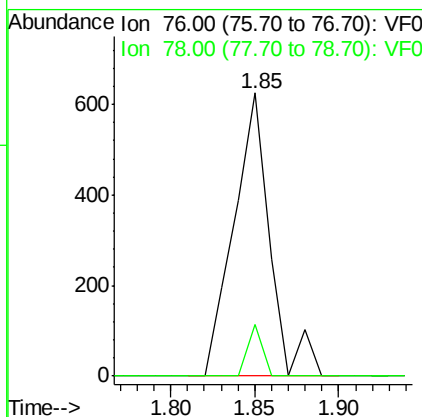
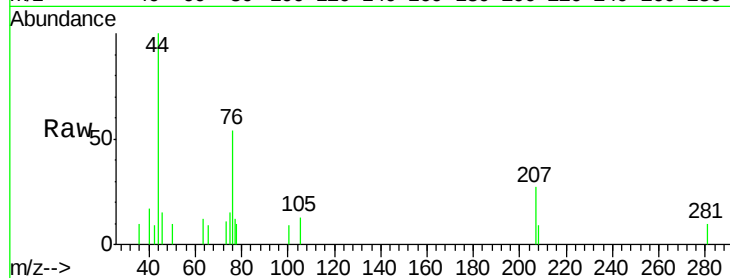




#17
Carbon Disulfide
Concen: 35.04 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

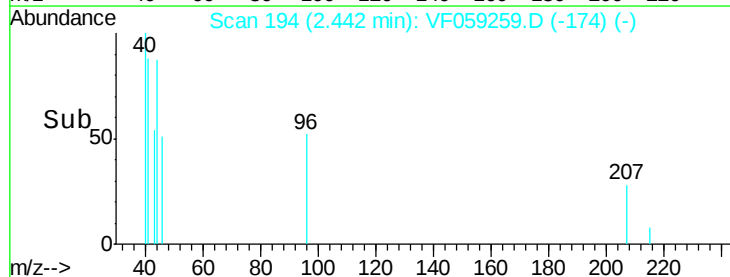
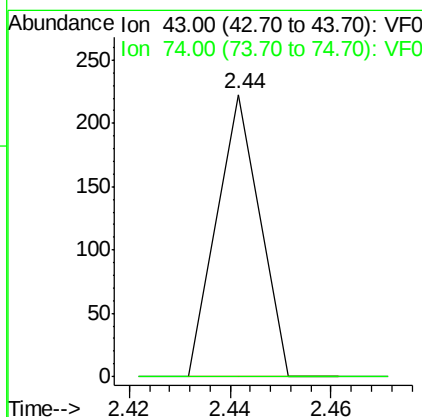
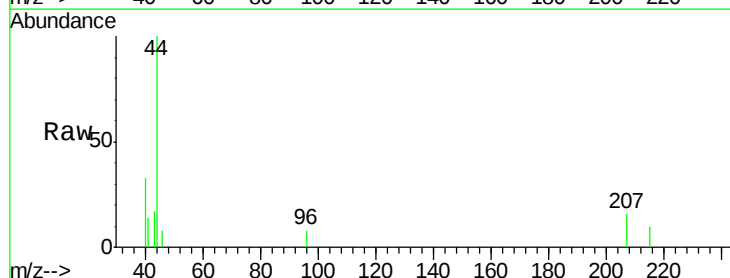
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

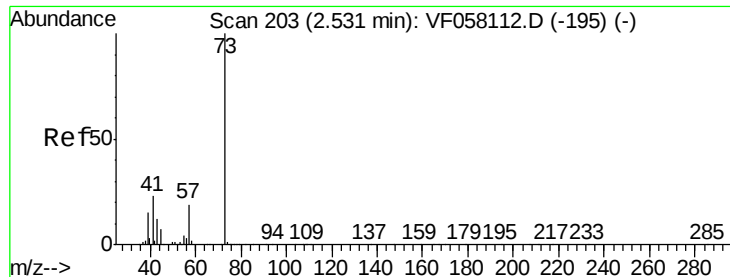
Tot Ion: 76 Resp: 927
Ion Ratio Lower Upper
76 100
78 18.1 7.8 11.8#



#18
Methyl Acetate
Concen: 18.54 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

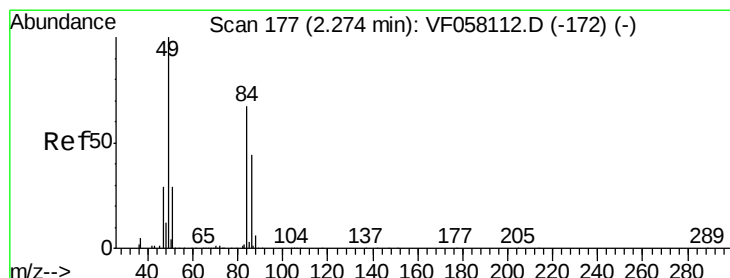
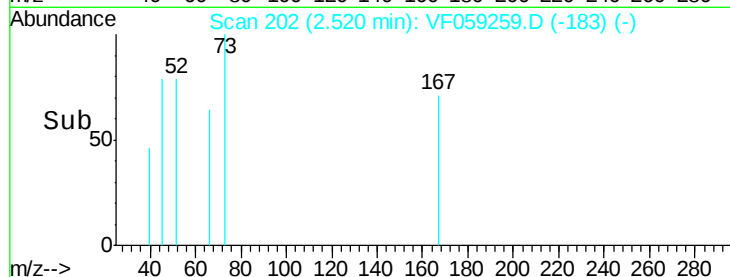
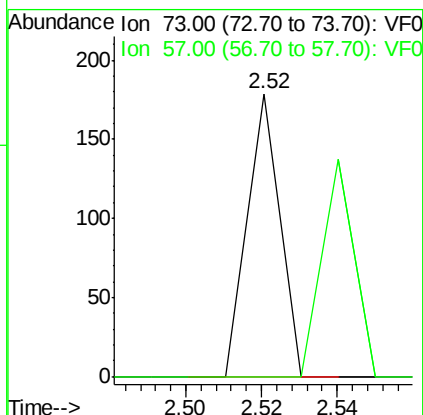
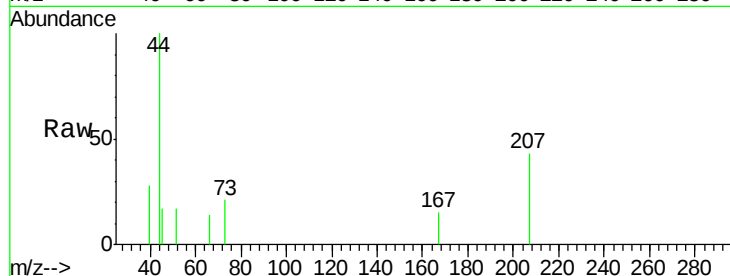




#19
Methvl tert-butvl Ether
Concen: 3.62 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

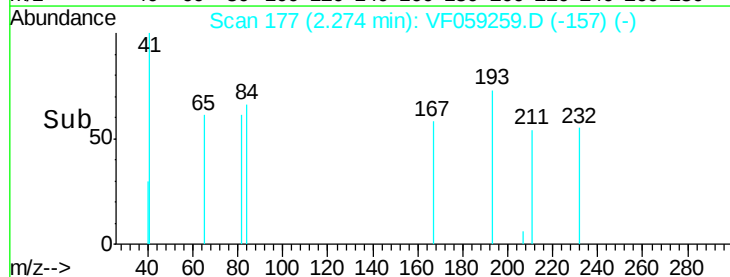
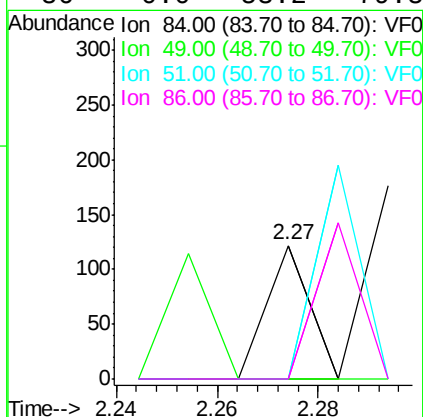
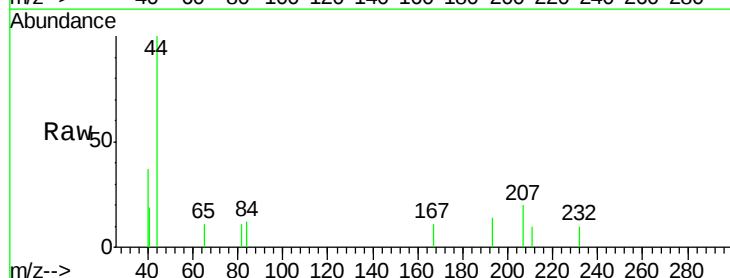
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

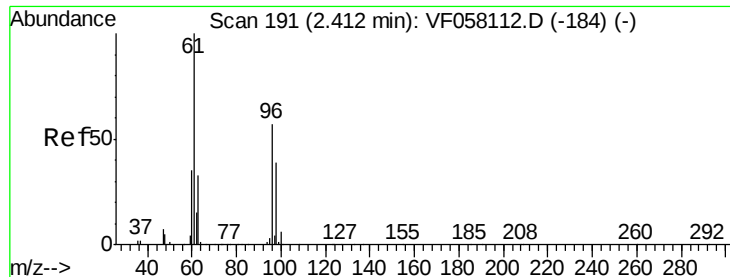
Tot Ion: 73 Resp: 106
Ion Ratio Lower Upper
73 100
57 0.0 15.0 22.4#



#20
Methylene Chloride
Concen: 7.26 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 84 Resp: 72
Ion Ratio Lower Upper
84 100
49 0.0 121.0 181.4#
51 0.0 35.8 53.6#
86 0.0 53.2 79.8#





#21

trans-1,2-Dichloroethene

Concen: 6.19 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.03 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

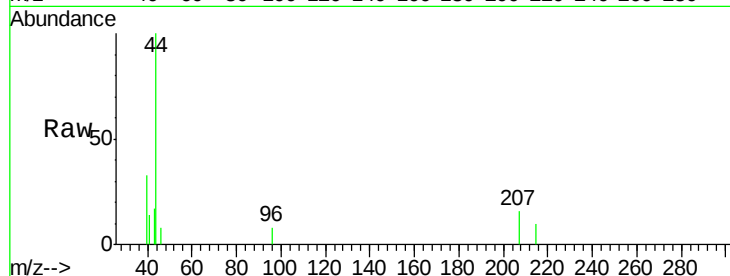
Tot Ion: 96 Resp: 64

Ion Ratio Lower Upper

96 100

61 0.0 139.4 209.2#

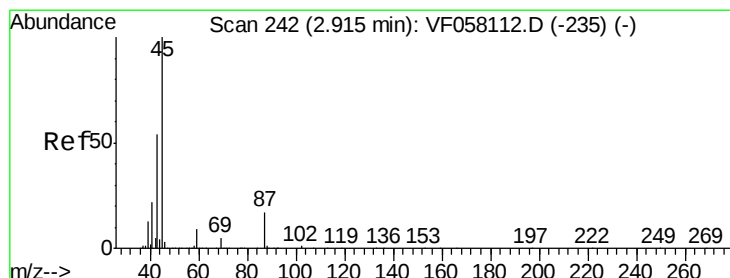
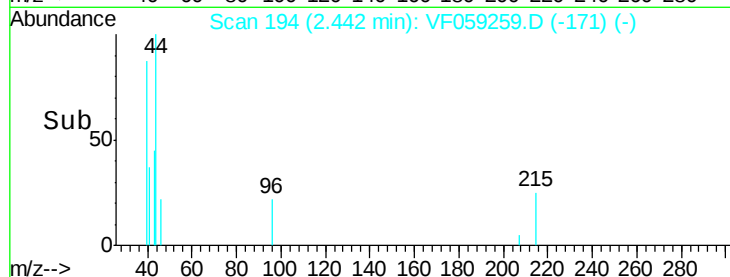
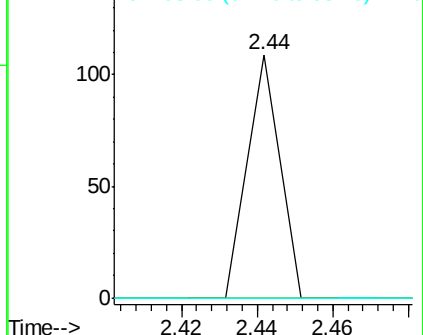
98 0.0 54.0 81.0#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 1.62 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.02 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Tgt Ion: 45 Resp: 59

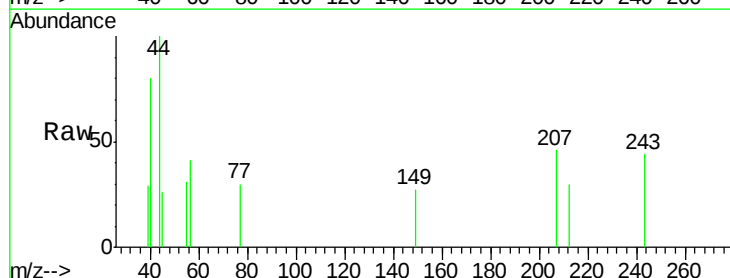
Ion Ratio Lower Upper

45 100

43 0.0 43.2 64.8#

87 0.0 13.8 20.6#

59 0.0 7.5 11.3#

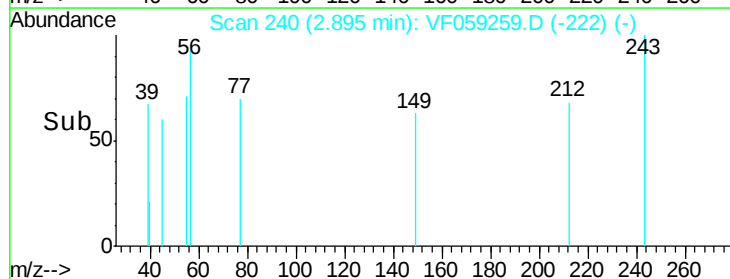
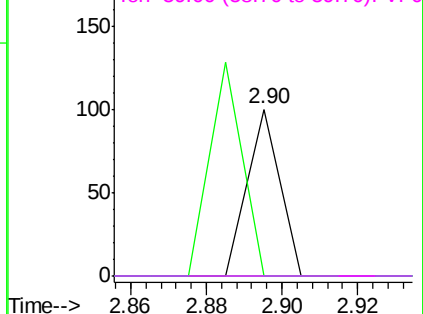


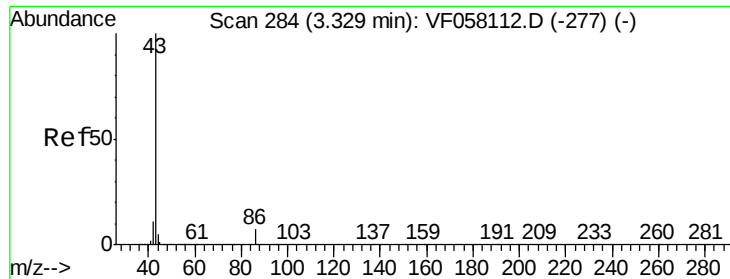
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 12.31 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

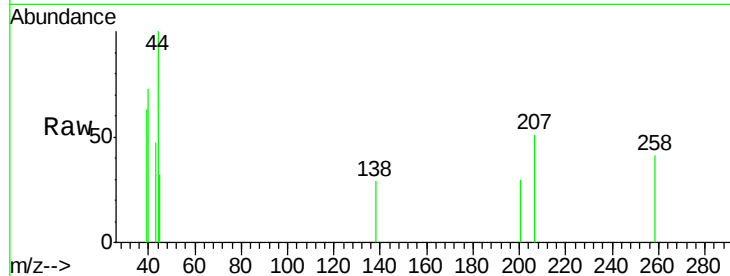
20180371-COMPOSITE-CS-1A

Tot Ion: 43 Resp: 295

Ion Ratio Lower Upper

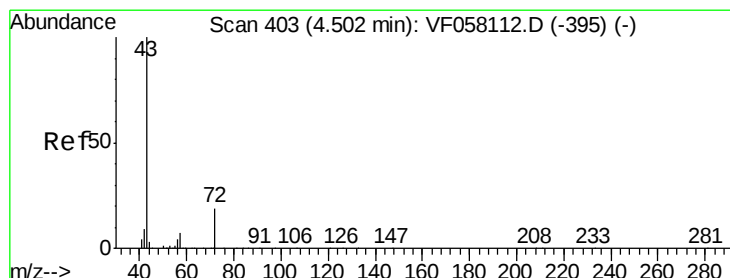
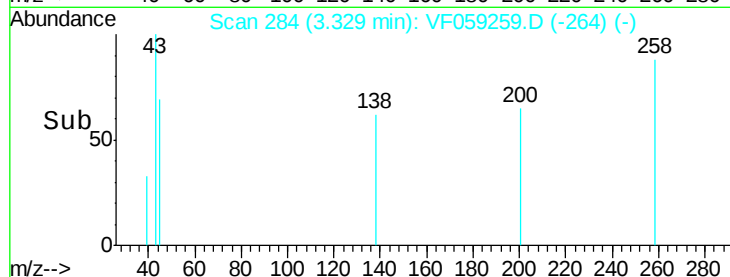
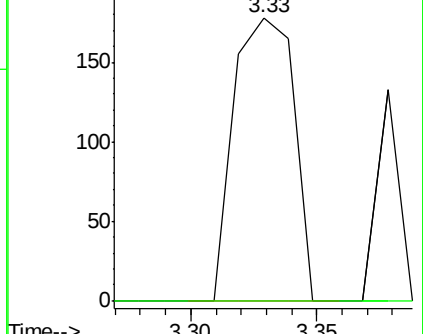
43 100

86 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 89.10 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059259.D

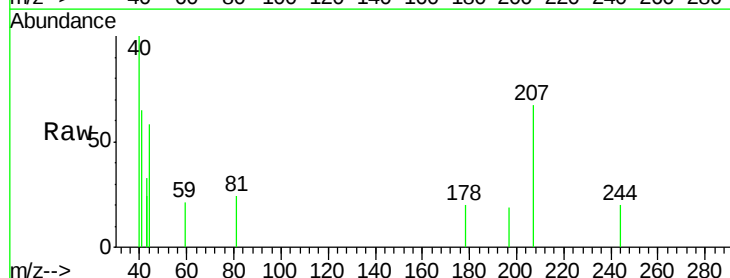
Acq: 21 Jun 2018 12:50

Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

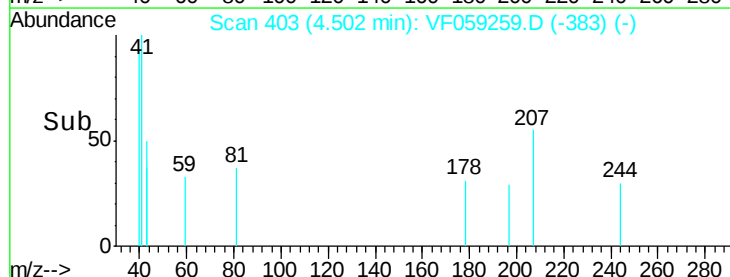
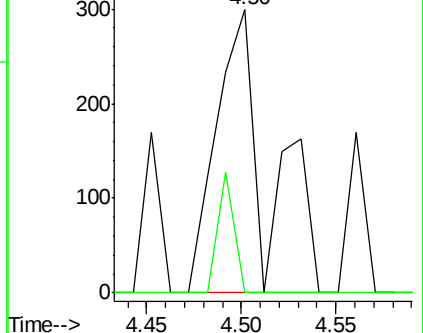
43 100

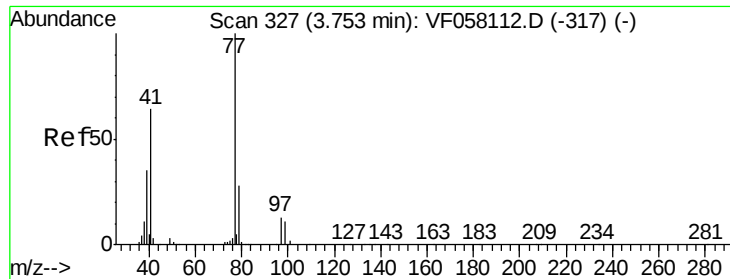
72 0.0 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 10.76 ug/l

RT: 3.71 min Scan# 323

Delta R.T. -0.04 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

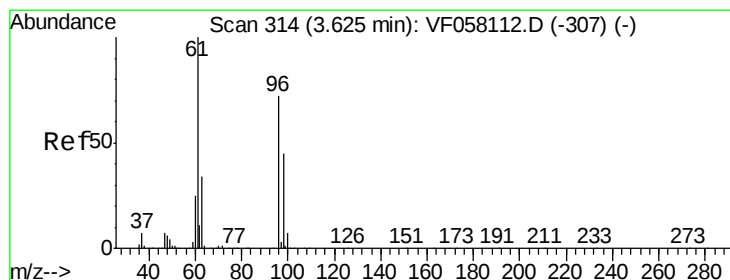
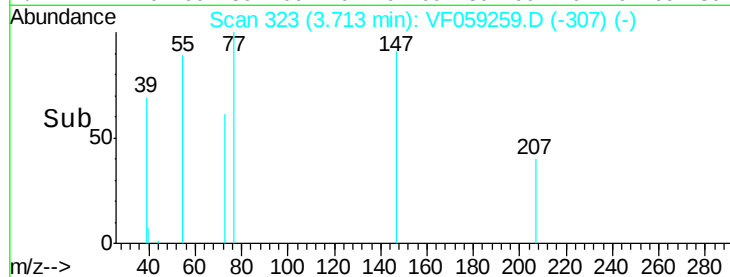
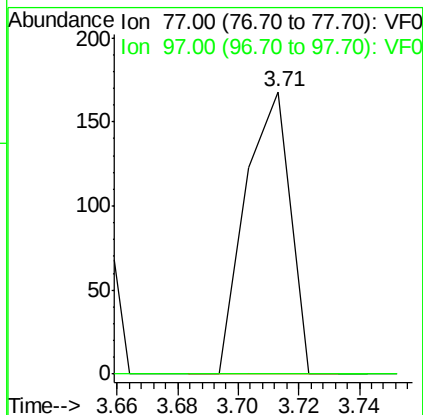
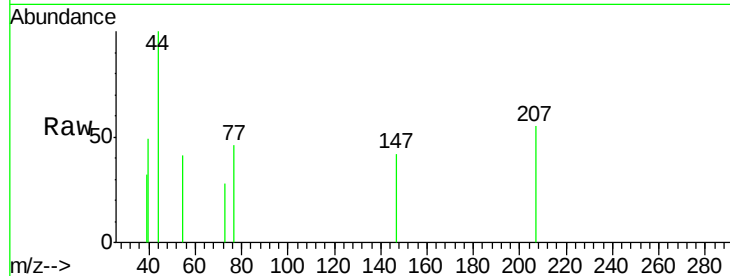
20180371-COMPOSITE-CS-1A

Tot Ion: 77 Resp: 172

Ion Ratio Lower Upper

77 100

97 0.0 7.2 21.6#



#27

cis-1,2-Dichloroethene

Concen: 5.91 ug/l

RT: 3.67 min Scan# 319

Delta R.T. 0.05 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

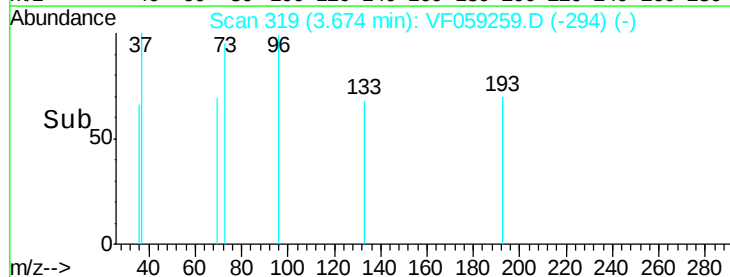
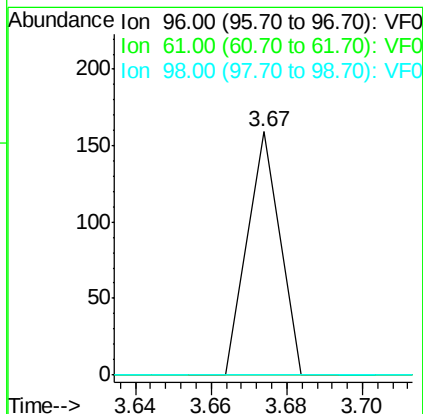
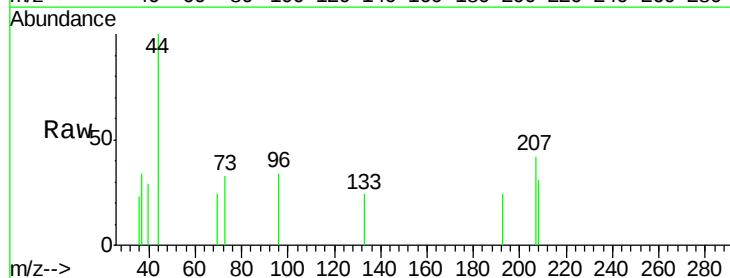
Tgt Ion: 96 Resp: 94

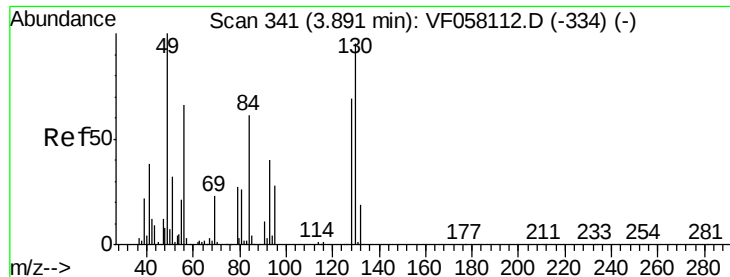
Ion Ratio Lower Upper

96 100

61 0.0 0.0 278.6

98 0.0 0.0 125.2

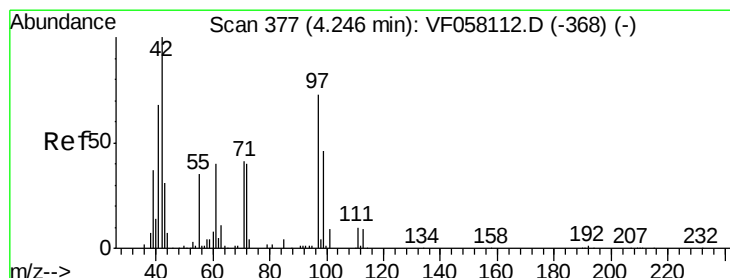
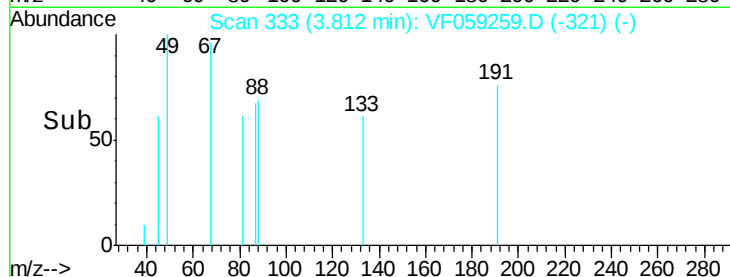
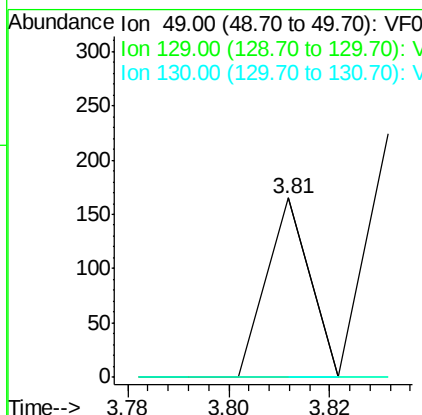
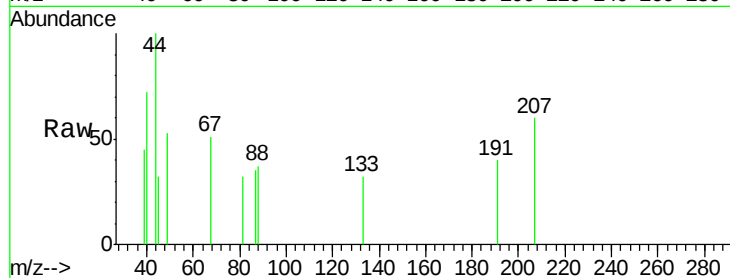




#28
Bromochloromethane
Concen: 9.88 ug/l
RT: 3.81 min Scan# 333
Delta R.T. -0.08 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

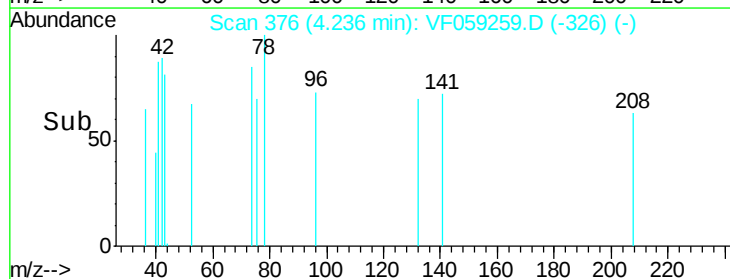
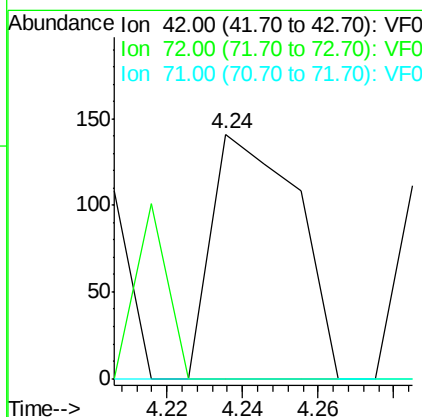
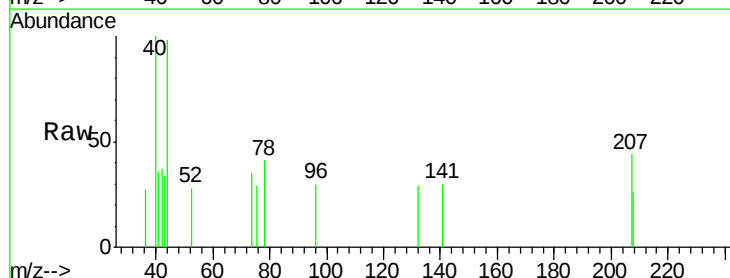
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

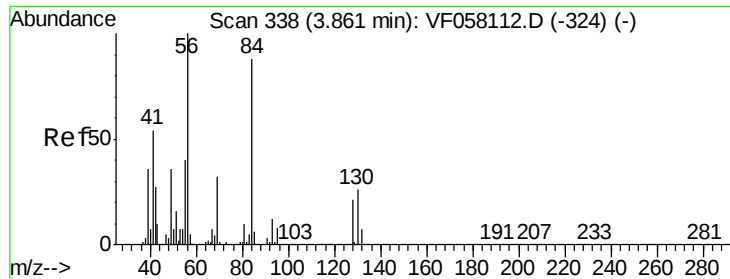
Tot Ion: 49 Resp: 98
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 75.8 113.8#



#29
Tetrahydrofuran
Concen: 78.13 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 42 Resp: 221
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 0.0 31.5 47.3#

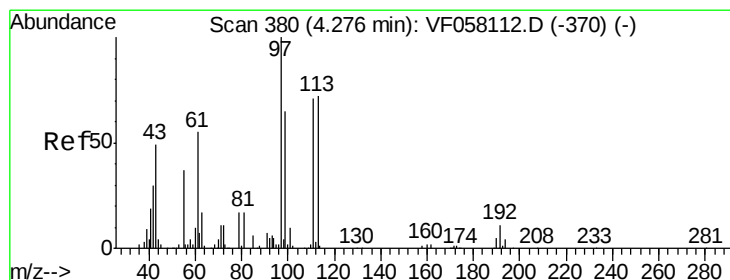
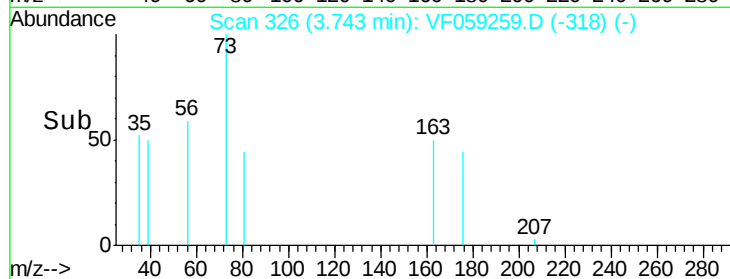
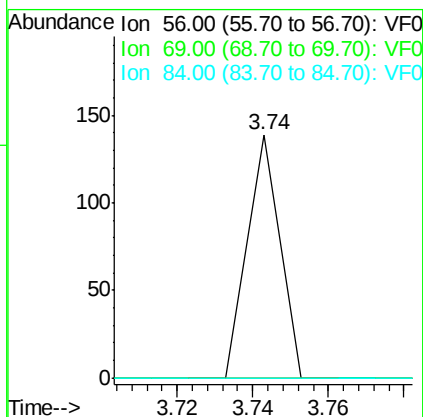
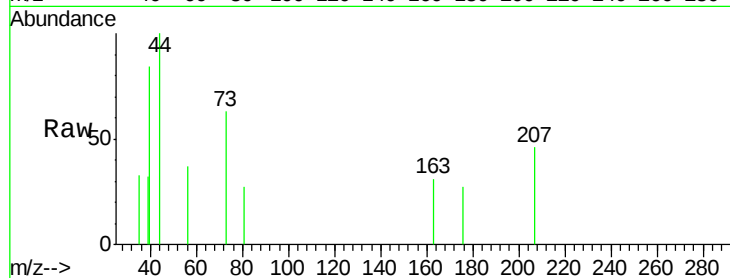




#31
Cvclohexane
Concen: 4.26 ug/l
RT: 3.74 min Scan# 326
Delta R.T. -0.12 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

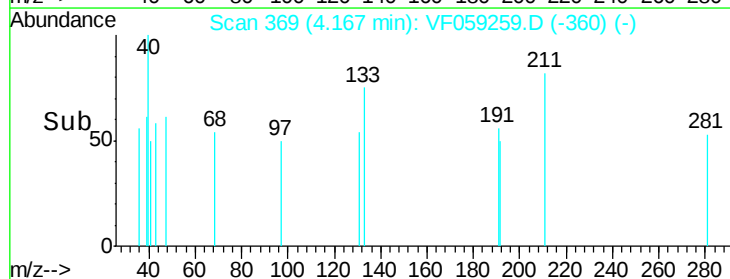
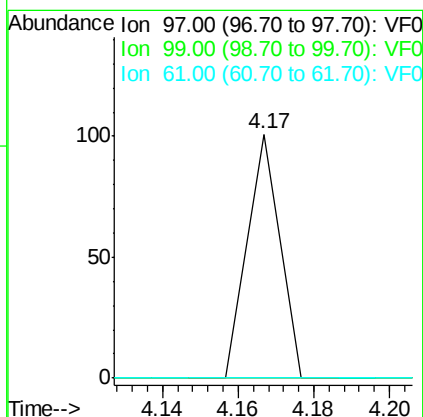
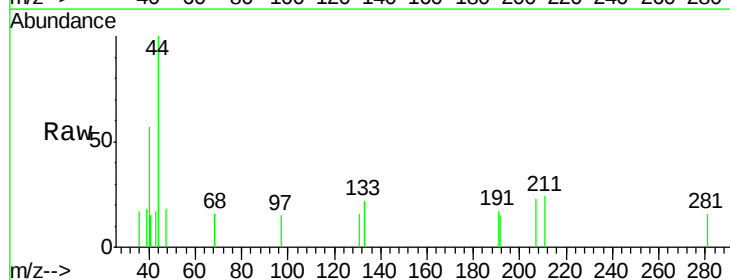
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

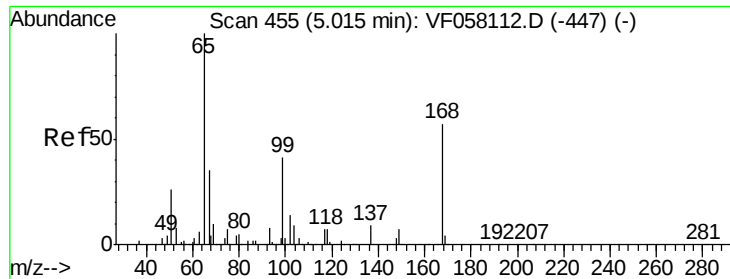
Tot Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 0.0 70.3 105.5#



#32
1,1,1-Trichloroethane
Concen: 2.55 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.11 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 97 Resp: 60
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 0.0 44.3 66.5#





#33

1,2-Dichloroethane-d4

Concen: 18.39 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

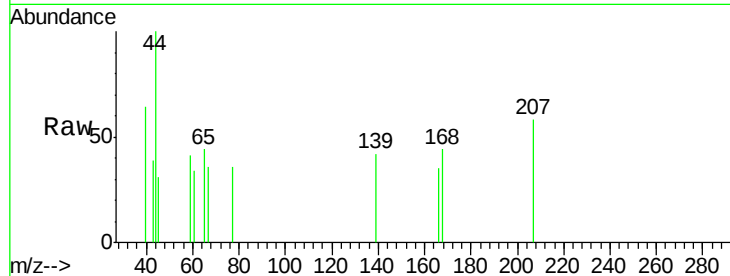
20180371-COMPOSITE-CS-1A

Tot Ion: 65 Resp: 319

Ion Ratio Lower Upper

65 100

67 81.6 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

150

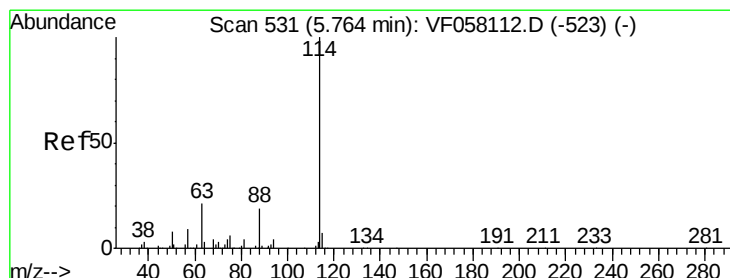
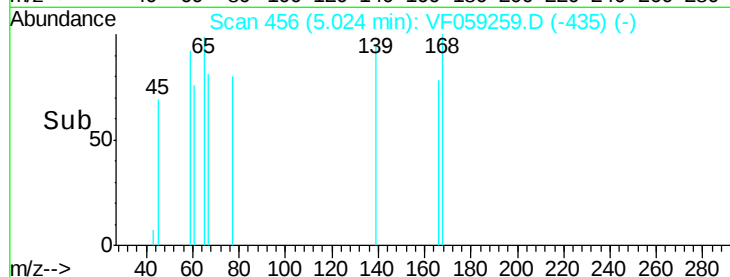
100

50

0

4.95 5.00 5.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

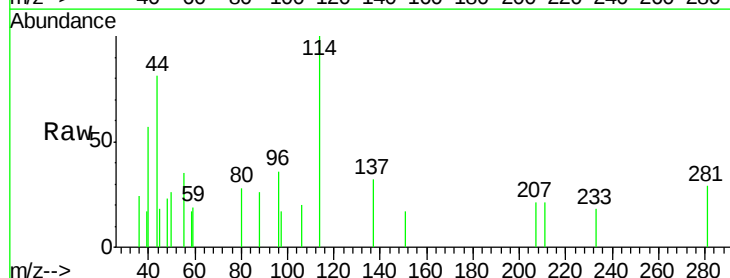
Tgt Ion: 114 Resp: 1299

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

88 26.0 0.0 38.8



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

800

600

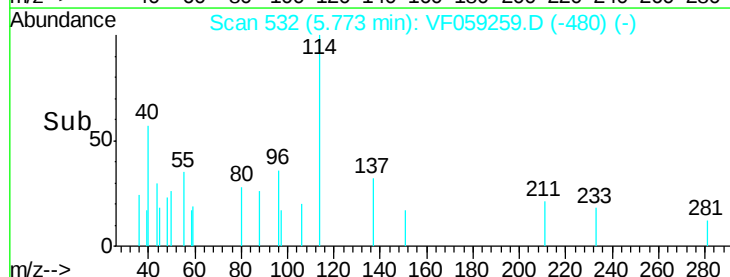
400

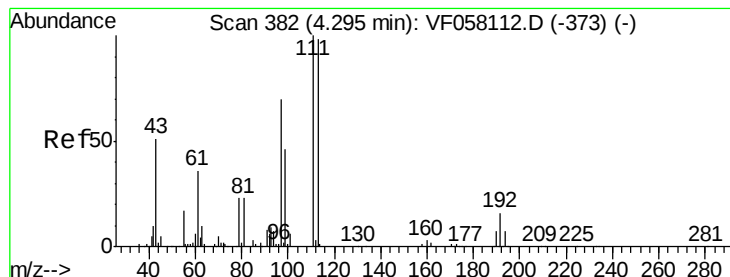
200

0

5.70 5.75 5.80

Time-->





#35

Dibromofluoromethane

Concen: 28.85 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

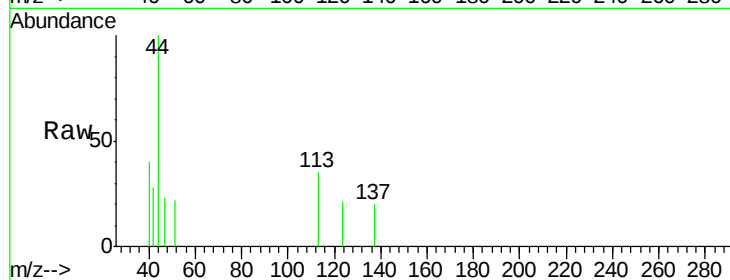
Tot Ion:113 Resp: 263

Ion Ratio Lower Upper

113 100

111 0.0 81.3 121.9#

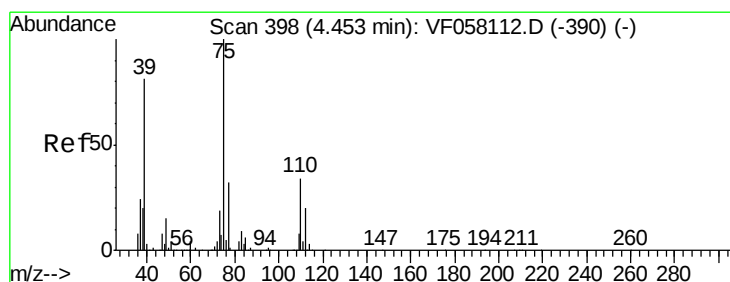
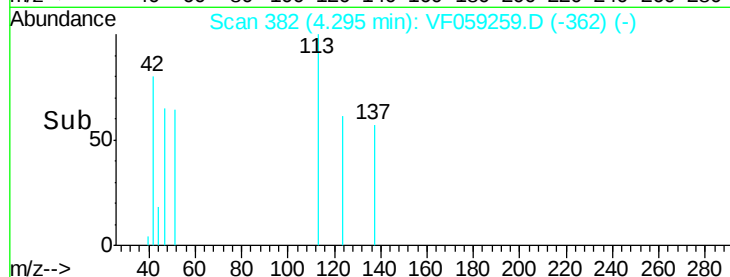
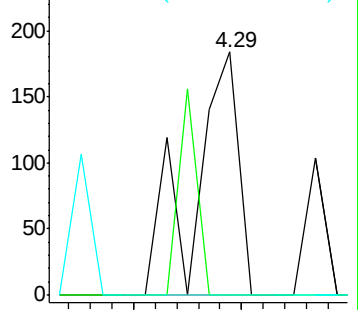
192 0.0 12.7 19.1#



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: 4.92 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.06 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

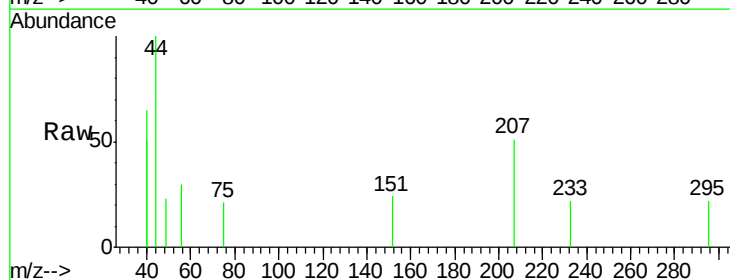
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

110 0.0 17.0 50.9#

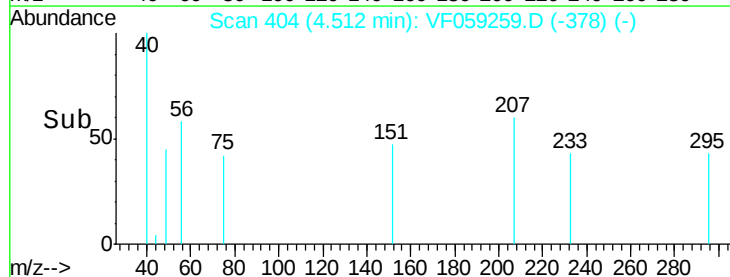
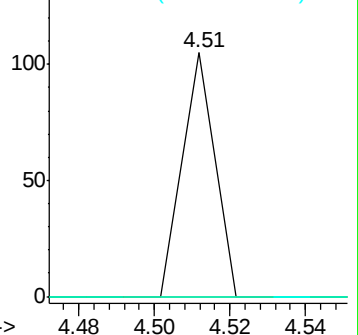
77 0.0 25.3 37.9#

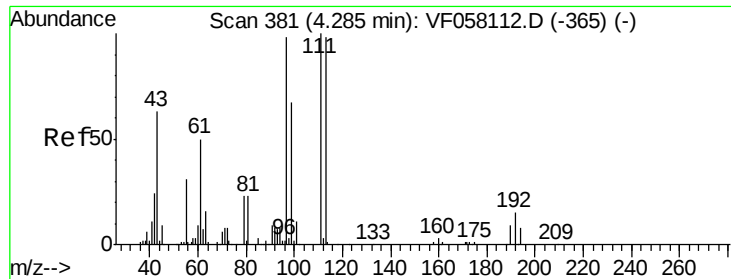


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

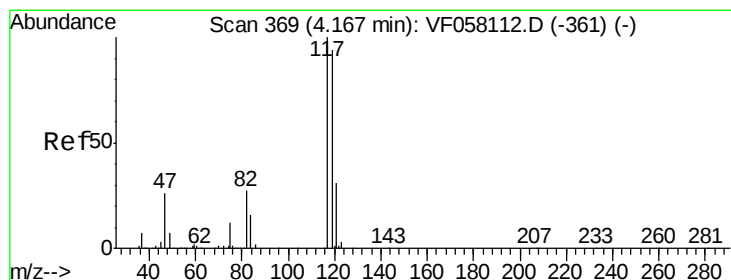
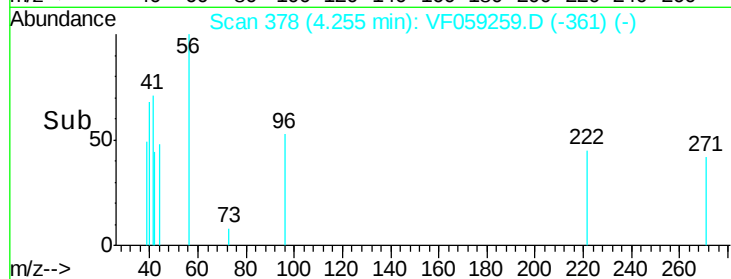
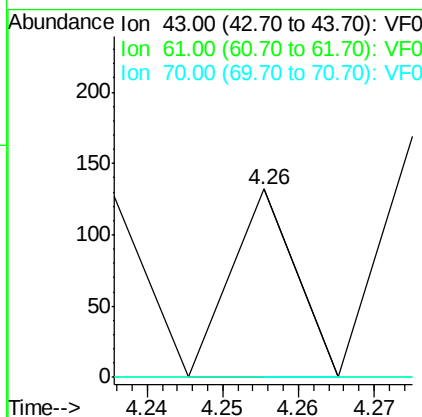
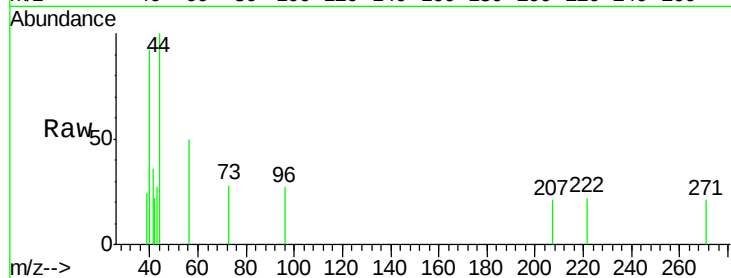




#37
Ethyl Acetate
Concen: 10.03 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

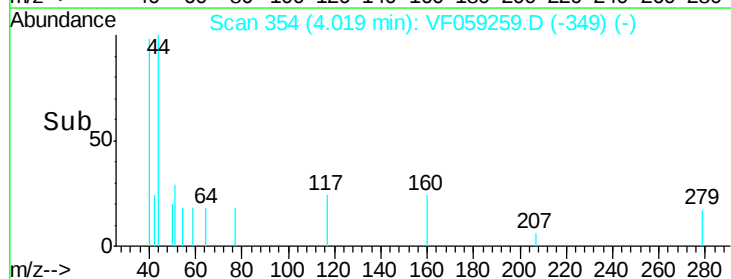
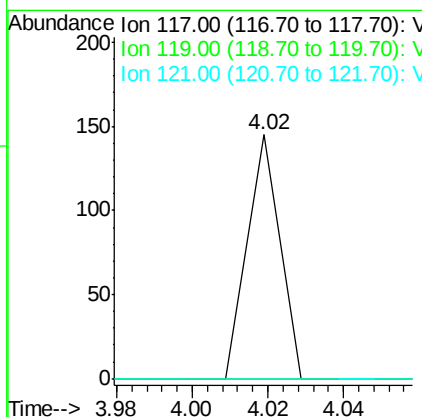
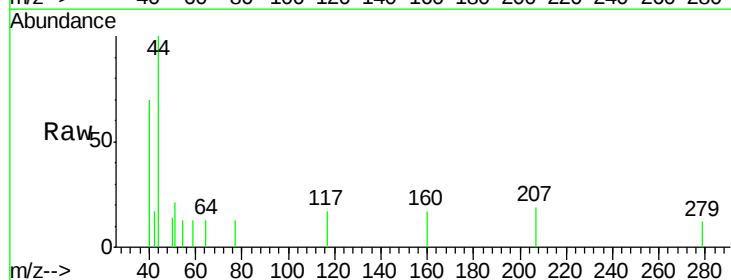
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

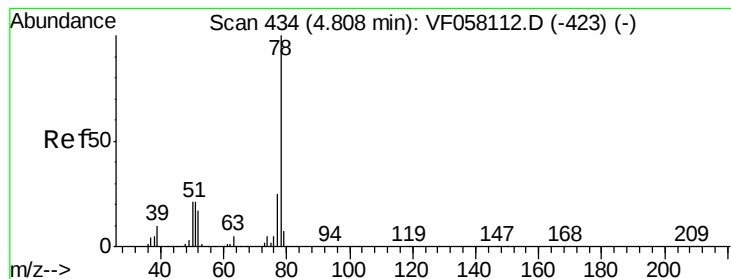
Tot Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
61 0.0 63.0 94.4#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 6.30 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.15 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 117 Resp: 86
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 24.8 37.2#





#40

Benzene

Concen: 2.94 ug/l

RT: 4.79 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

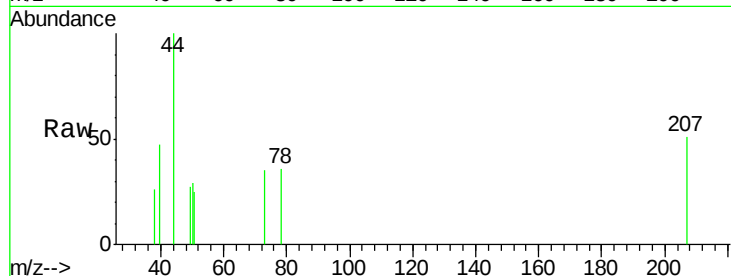
20180371-COMPOSITE-CS-1A

Tot Ion: 78 Resp: 86

Ion Ratio Lower Upper

78 100

77 0.0 20.2 30.2#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.79

150

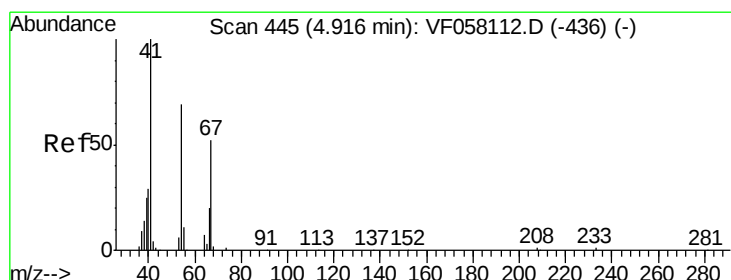
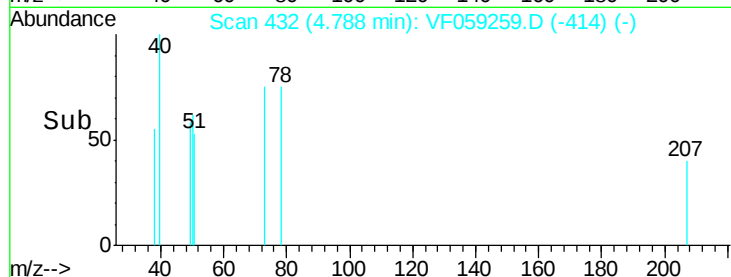
100

50

0

4.78 4.80

Time-->



#41

Methacrylonitrile

Concen: 20.15 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Tgt Ion: 41 Resp: 77

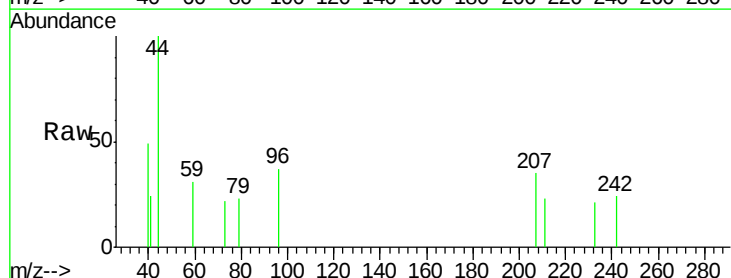
Ion Ratio Lower Upper

41 100

39 0.0 53.0 79.4#

67 0.0 41.0 61.6#

52 0.0 36.8 55.2#



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

250

200

150

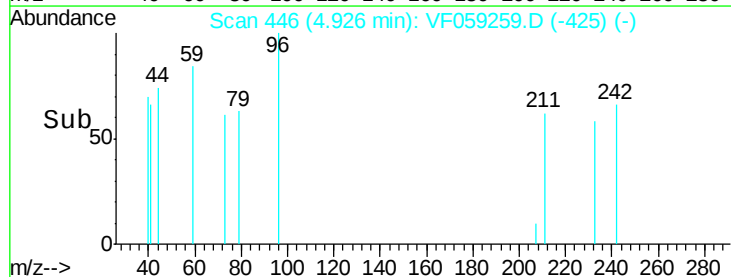
100

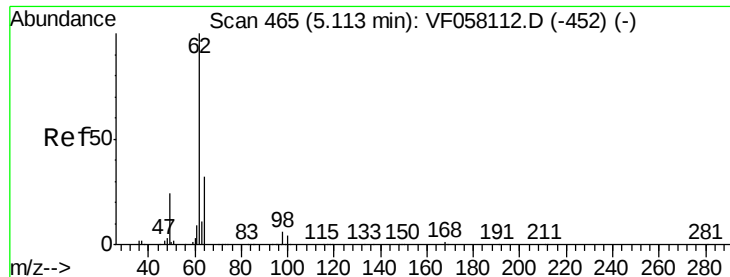
50

0

4.92 4.94

Time-->





#42

1,2-Dichloroethane

Concen: 4.73 ug/l

RT: 5.24 min Scan# 478

Delta R.T. 0.13 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

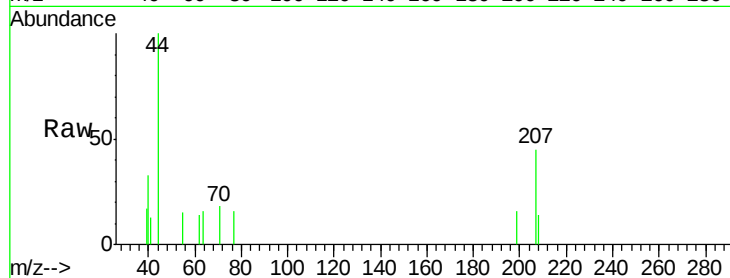
20180371-COMPOSITE-CS-1A

Tot Ion: 62 Resp: 62

Ion Ratio Lower Upper

62 100

98 0.0 0.0 11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

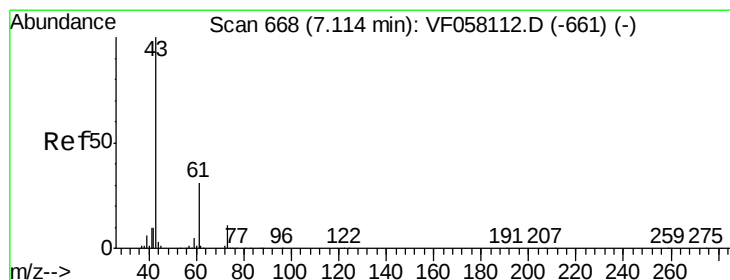
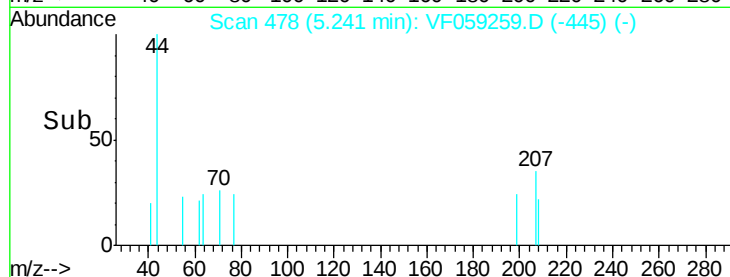
5.24

100

50

0

Time--> 5.22 5.24 5.26



#43

Isopropyl Acetate

Concen: 84.36 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

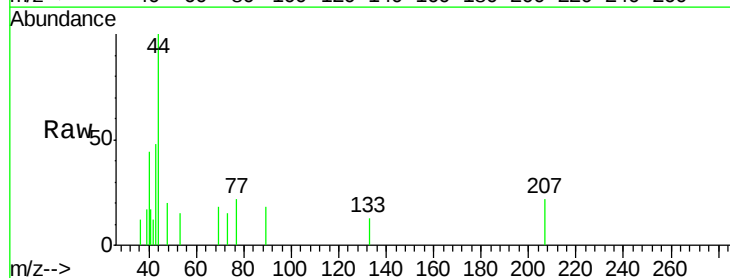
Tgt Ion: 43 Resp: 879

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

7.10

400

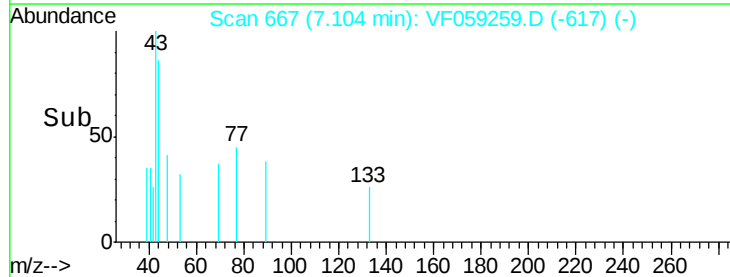
300

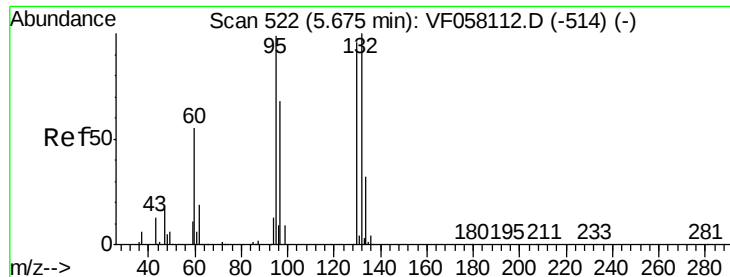
200

100

0

Time--> 7.00 7.05 7.10 7.15





#44

Trichloroethene

Concen: 7.88 ug/l

RT: 5.61 min Scan# 515

Delta R.T. -0.07 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

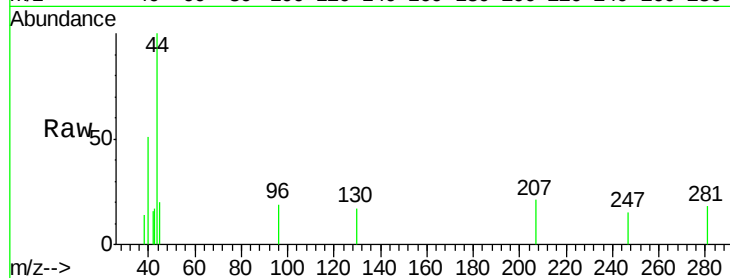
20180371-COMPOSITE-CS-1A

Tot Ion:130 Resp: 72

Ion Ratio Lower Upper

130 100

95 0.0 0.0 206.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

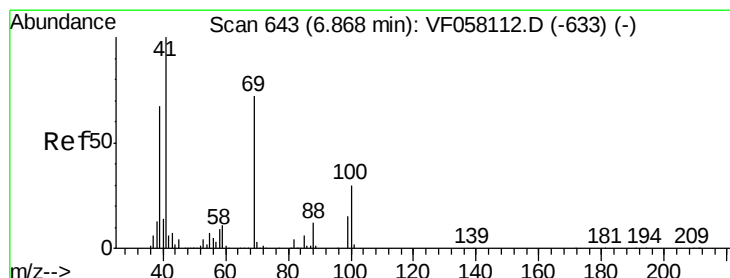
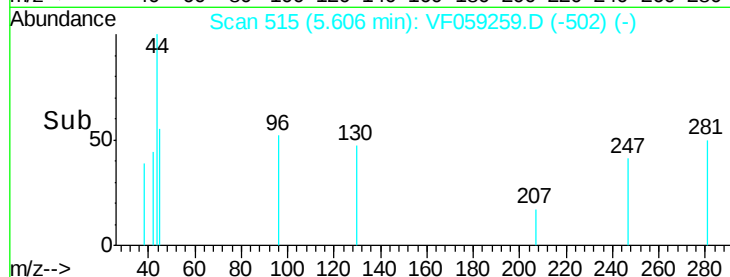
5.61

100

50

0

Time-->



#48

Methyl methacrylate

Concen: 65.23 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

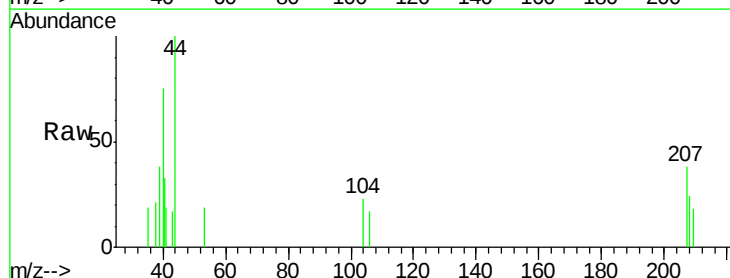
Tgt Ion: 41 Resp: 419

Ion Ratio Lower Upper

41 100

69 0.0 57.2 85.8#

39 72.7 54.3 81.5



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

500

400

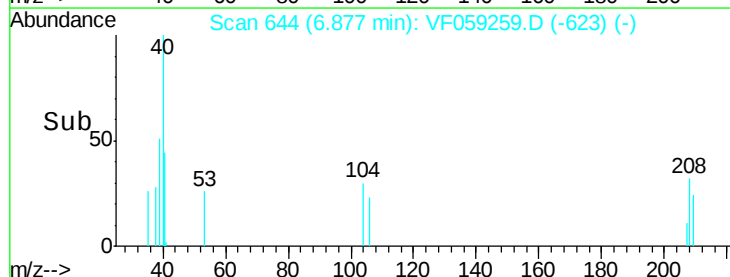
300

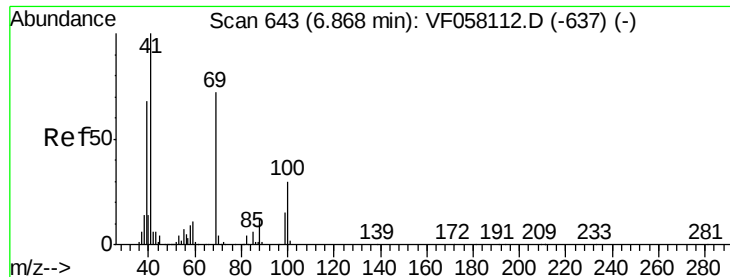
200

100

0

Time-->





#49

1,4-Dioxane

Concen: 2383.58 ug/l

RT: 6.65 min Scan# 621

Delta R.T. -0.22 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

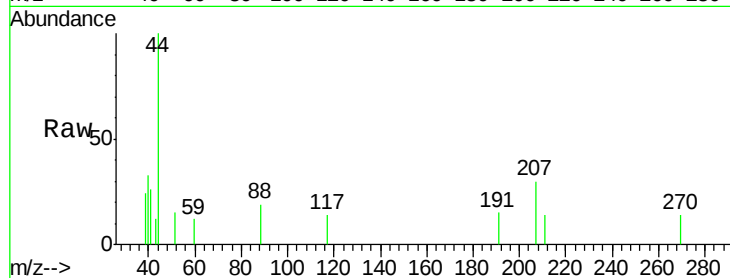
Tot Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 66.7 47.8 71.8

58 0.0 59.4 89.0#



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

6.65

150

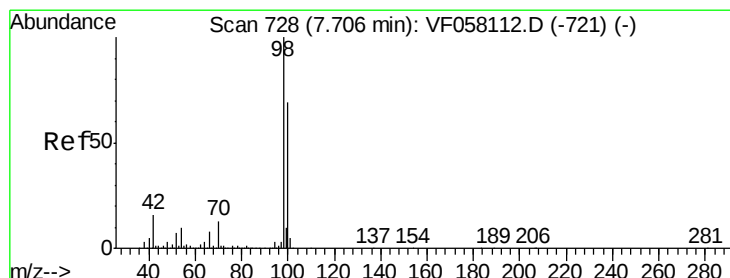
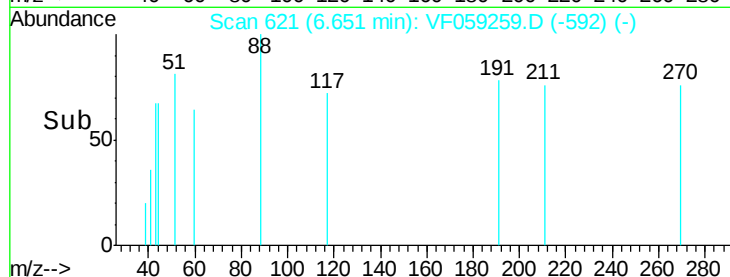
100

50

0

6.62 6.64 6.66 6.68

Time-->



#50

Toluene-d8

Concen: 33.42 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059259.D

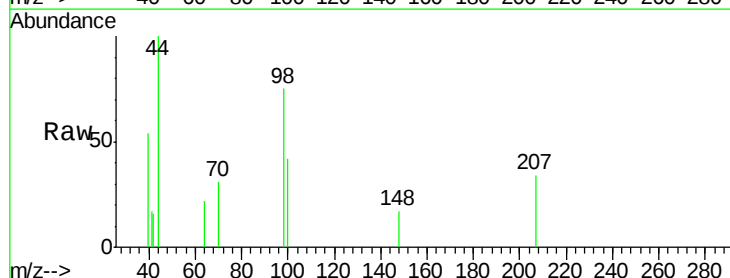
Acq: 21 Jun 2018 12:50

Tgt Ion: 98 Resp: 895

Ion Ratio Lower Upper

98 100

100 55.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

500

400

300

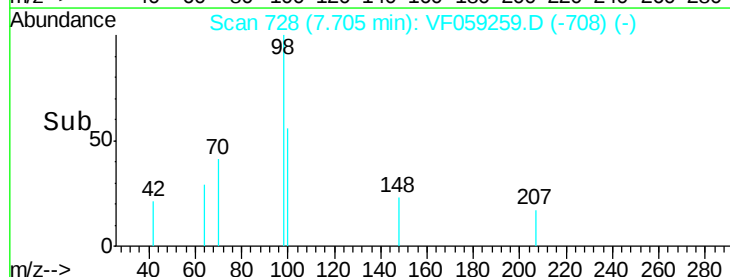
200

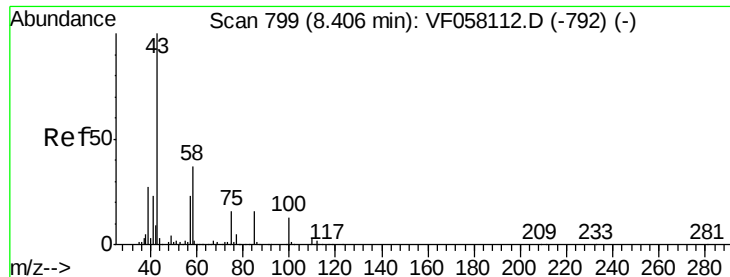
100

0

7.65 7.70 7.75

Time-->





#51

4-Methyl-2-Pentanone

Concen: 141.15 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

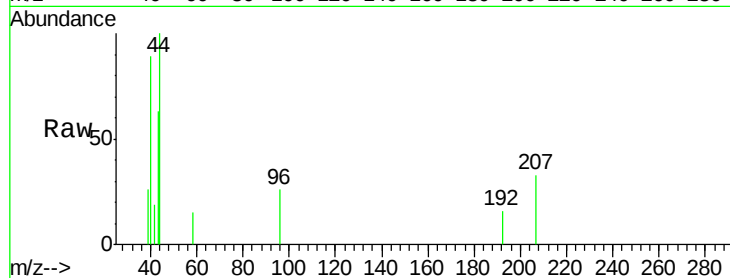
20180371-COMPOSITE-CS-1A

Tot Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 22.9 29.4 44.0#



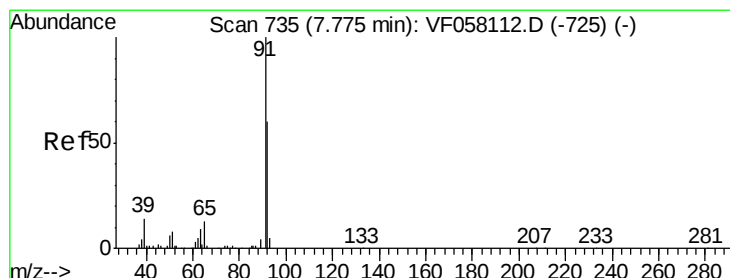
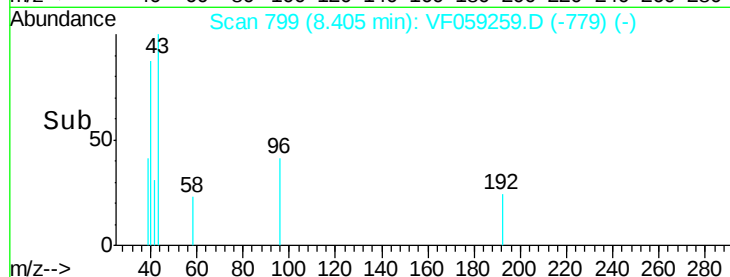
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

8.35 8.40 8.45

Time-->



#52

Toluene

Concen: 3.14 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.03 min

Lab File: VF059259.D

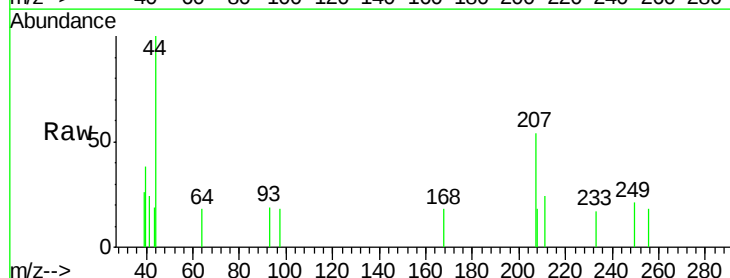
Acq: 21 Jun 2018 12:50

Tgt Ion: 92 Resp: 66

Ion Ratio Lower Upper

92 100

91 0.0 132.9 199.3#



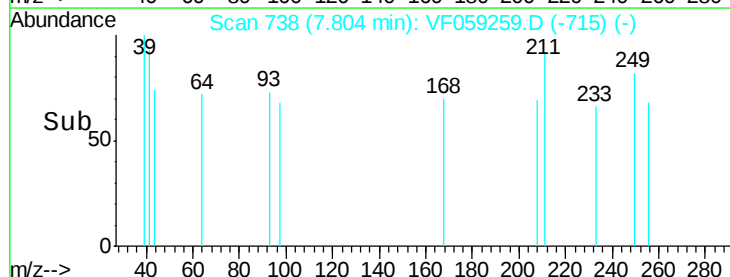
Abundance Ion 92.00 (91.70 to 92.70): VF0

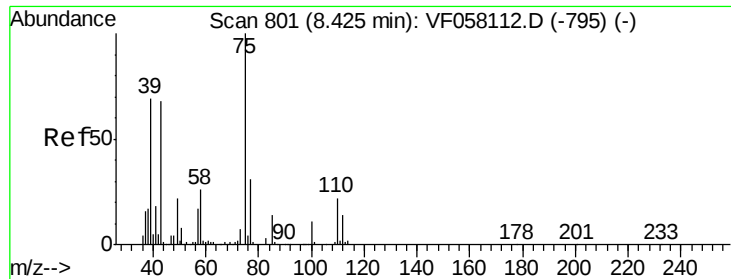
Ion 91.00 (90.70 to 91.70): VF0

7.80

7.78 7.80 7.82

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.94 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

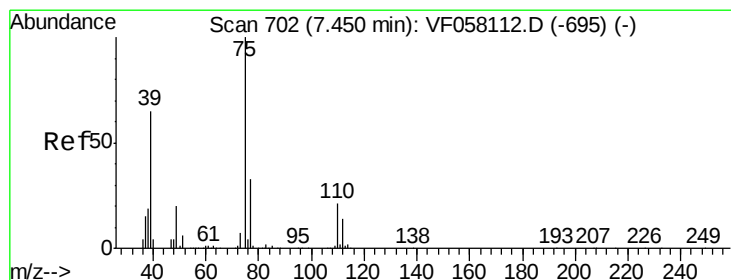
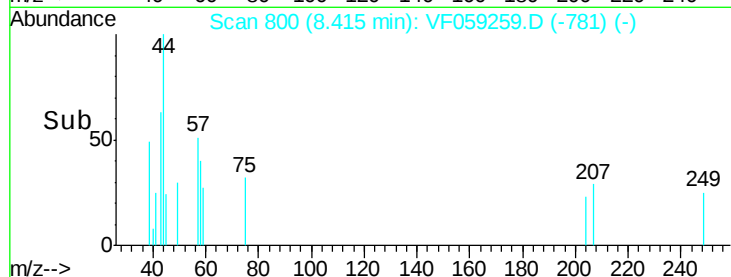
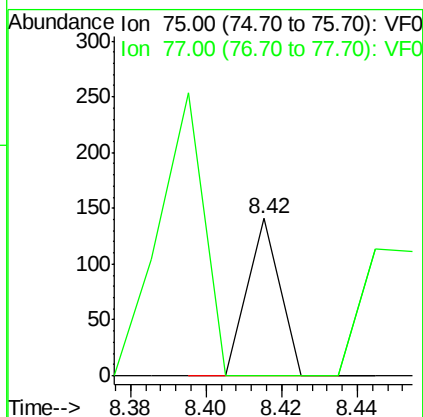
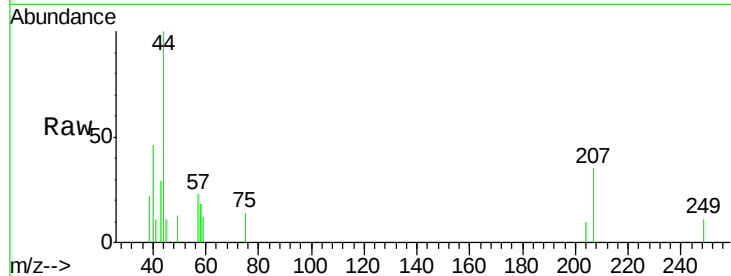
20180371-COMPOSITE-CS-1A

Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 3.93 ug/l

RT: 7.35 min Scan# 692

Delta R.T. -0.10 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

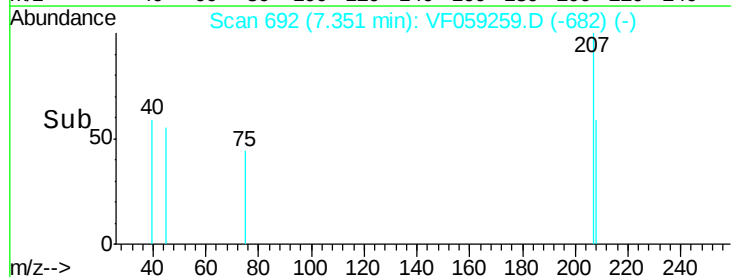
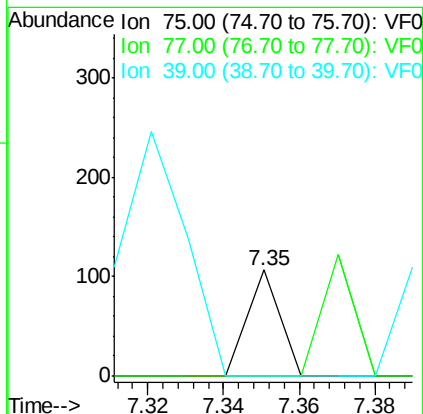
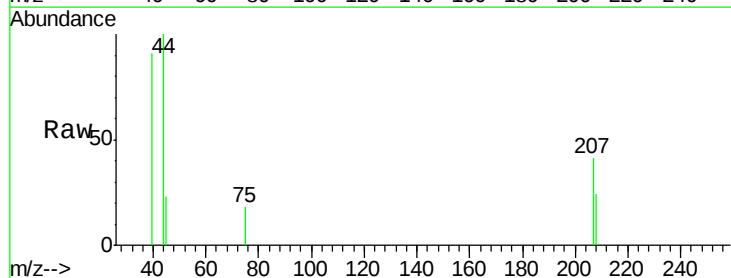
Tgt Ion: 75 Resp: 63

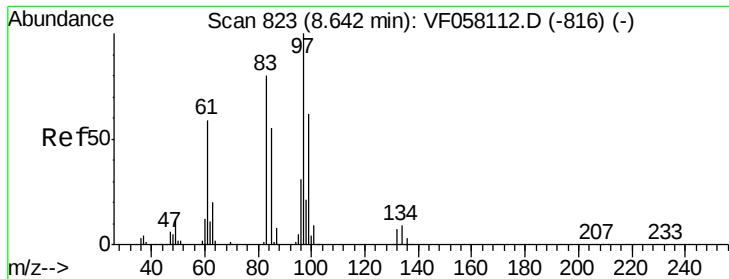
Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

39 503.8 52.1 78.1#





#55

1,1,2-Trichloroethane

Concen: 7.87 ug/l

RT: 8.52 min Scan# 811

Delta R.T. -0.12 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

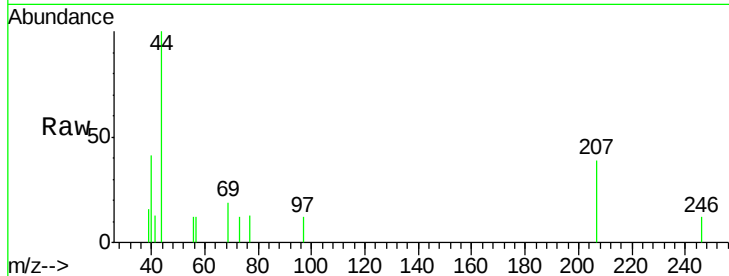
MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

Tot Ion: 97 Resp: 60

Ion	Ratio	Lower	Upper
97	100		
83	0.0	64.3	96.5#
85	0.0	43.8	65.8#
99	0.0	49.8	74.8#

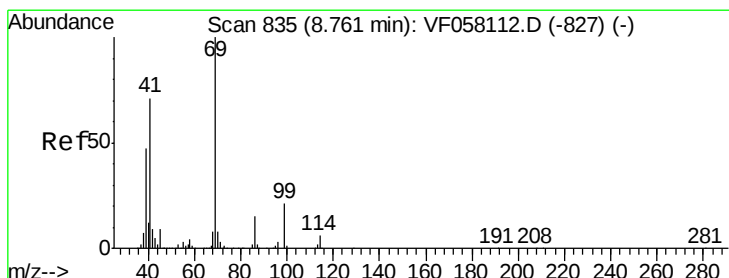
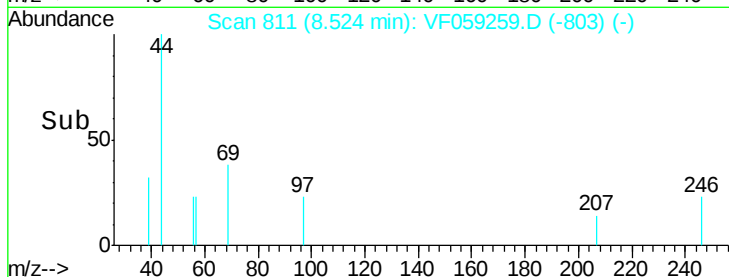
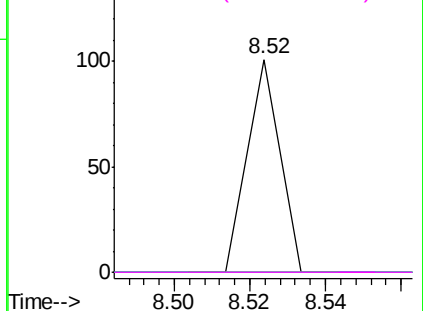


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 38.59 ug/l

RT: 8.76 min Scan# 835

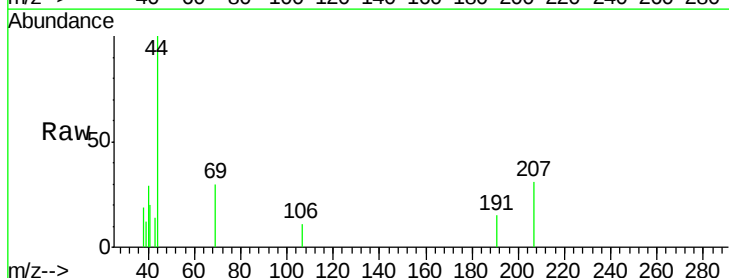
Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Tgt Ion: 69 Resp: 371

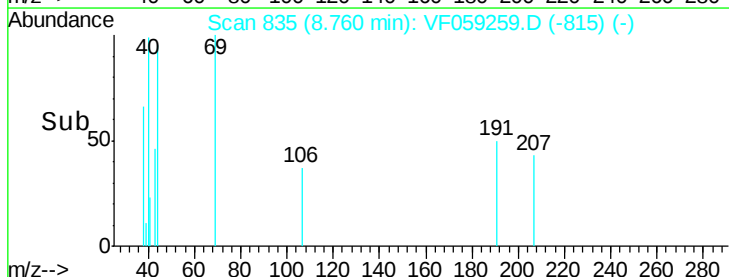
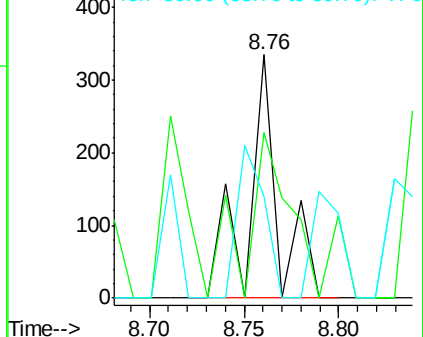
Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.9	85.3
39	41.8	38.0	57.0

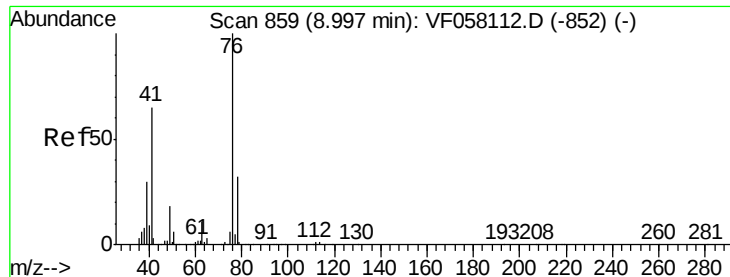


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 9.58 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

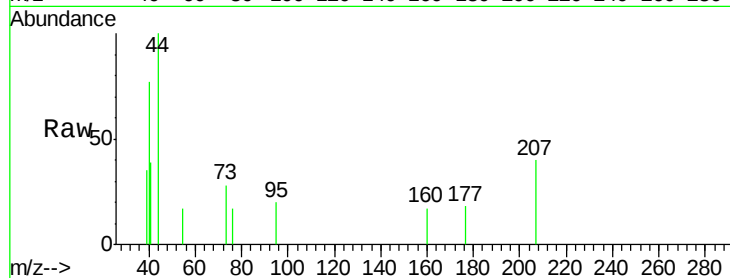
20180371-COMPOSITE-CS-1A

Tot Ion: 76 Resp: 125

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

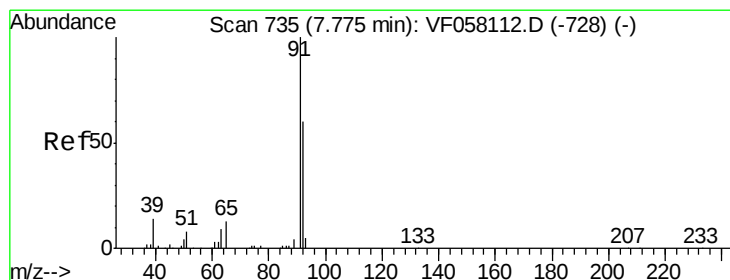
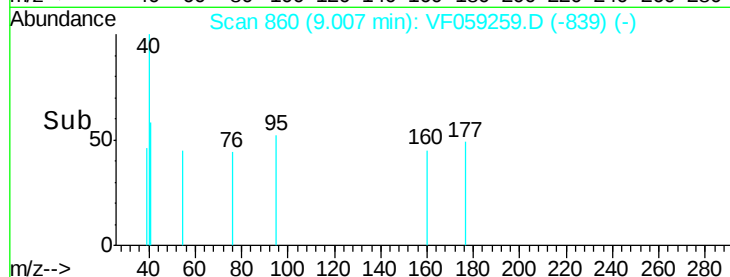


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.01

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 231.27 ug/l

RT: 7.93 min Scan# 751

Delta R.T. 0.16 min

Lab File: VF059259.D

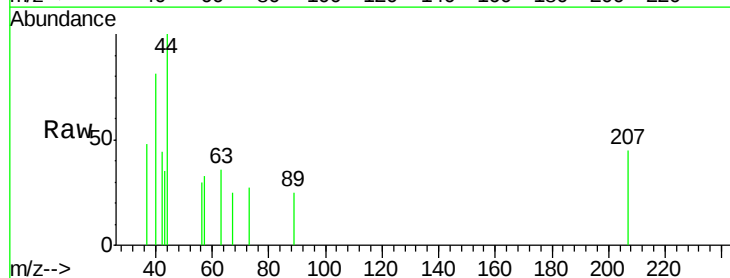
Acq: 21 Jun 2018 12:50

Tgt Ion: 63 Resp: 159

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

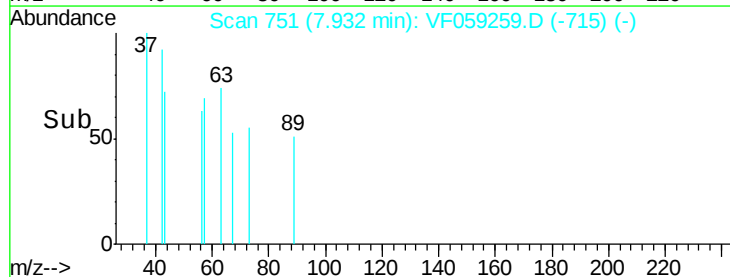


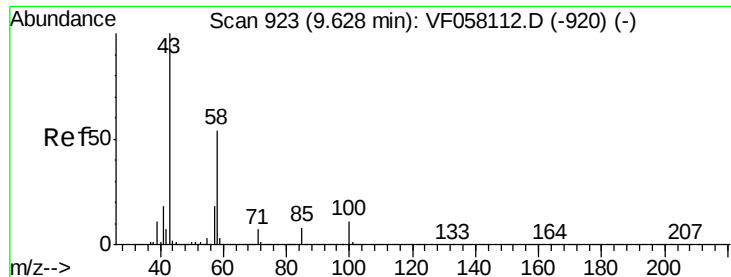
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.93

Time-->

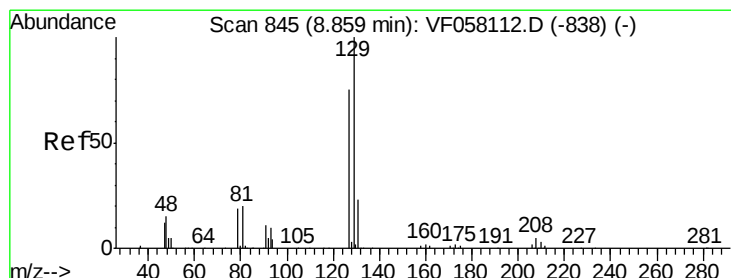
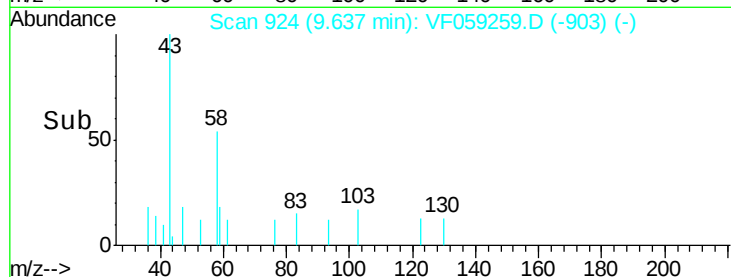
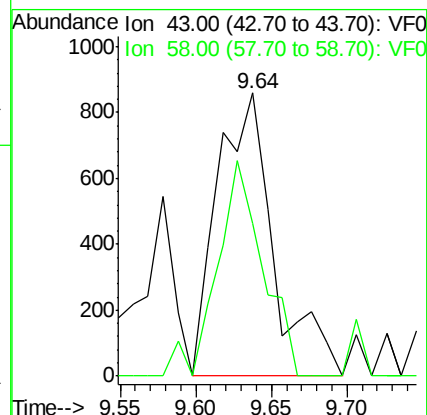
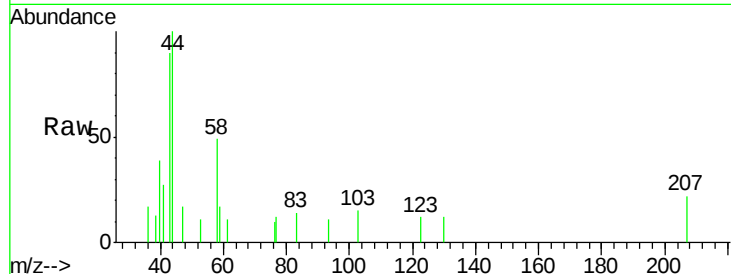




#59
2-Hexanone
Concen: 393.36 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

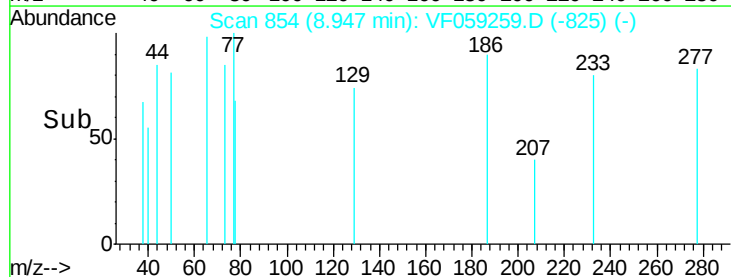
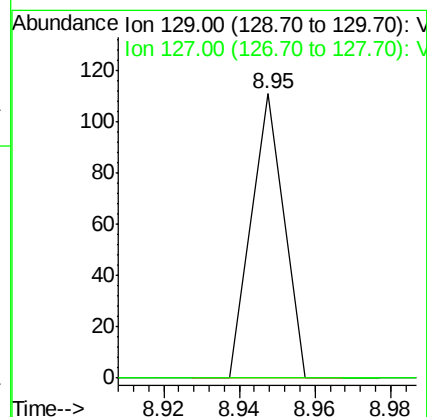
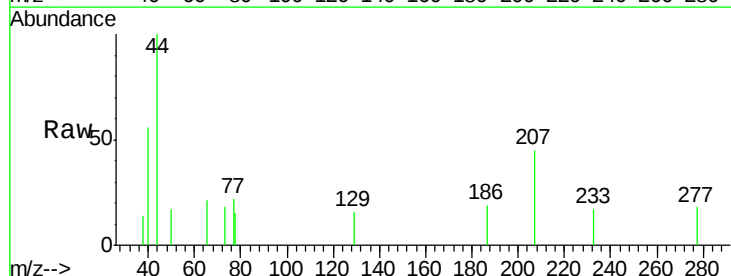
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

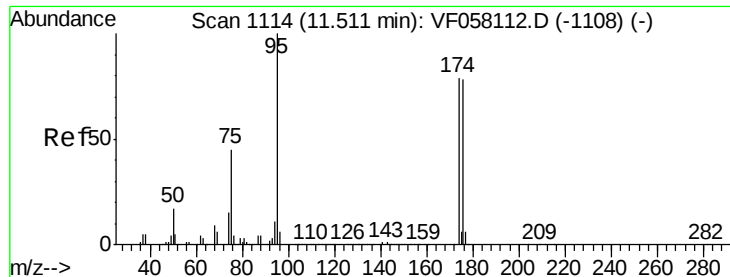
Tot Ion: 43 Resp: 2222
Ion Ratio Lower Upper
43 100
58 54.1 26.3 78.8



#60
Dibromochloromethane
Concen: 6.02 ug/l
RT: 8.95 min Scan# 854
Delta R.T. 0.09 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 129 Resp: 66
Ion Ratio Lower Upper
129 100
127 0.0 37.6 112.9#





#62

4-Bromofluorobenzene

Concen: 41.28 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

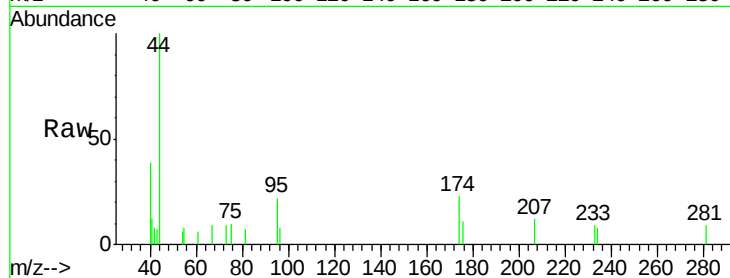
Tot Ion: 95 Resp: 567

Ion Ratio Lower Upper

95 100

174 106.4 0.0 157.8

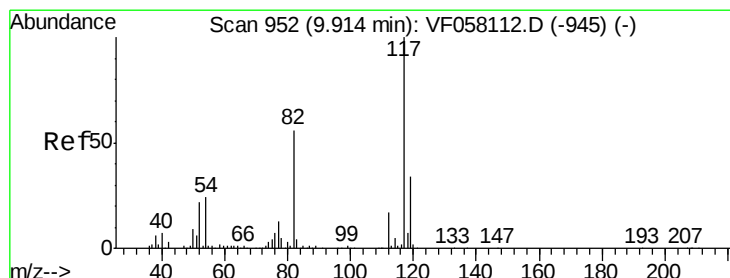
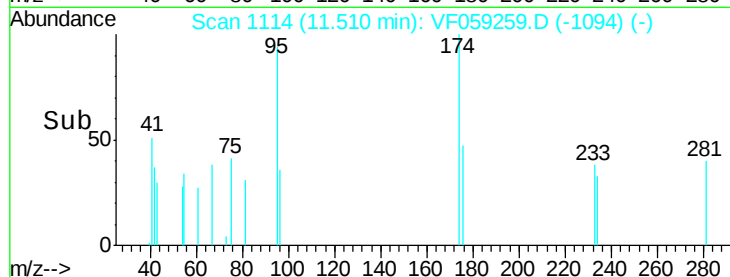
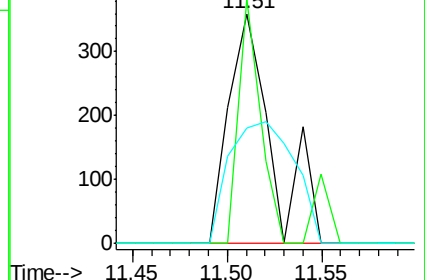
176 50.0 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

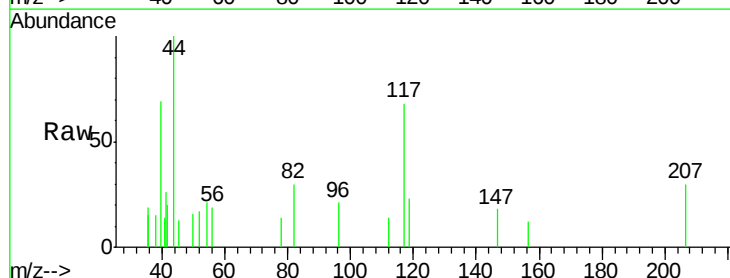
Tgt Ion: 117 Resp: 1065

Ion Ratio Lower Upper

117 100

82 43.9 45.2 67.8#

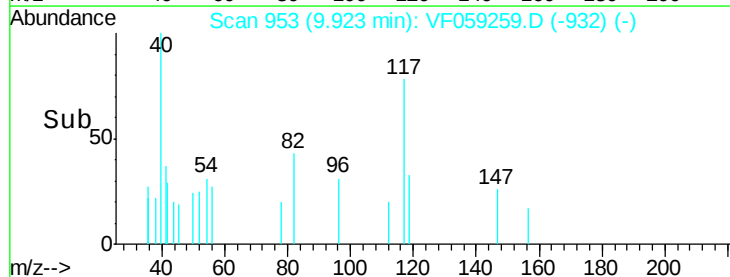
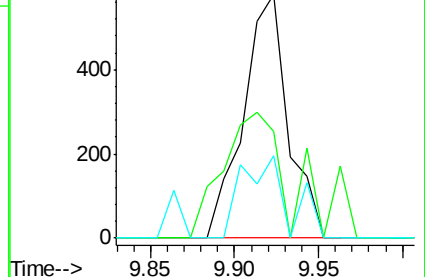
119 33.9 27.5 41.3

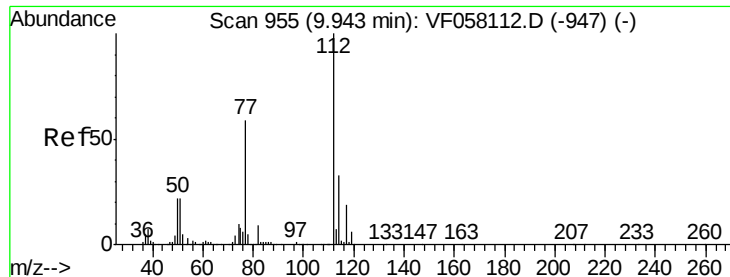


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#65

Chlorobenzene

Concen: 3.27 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

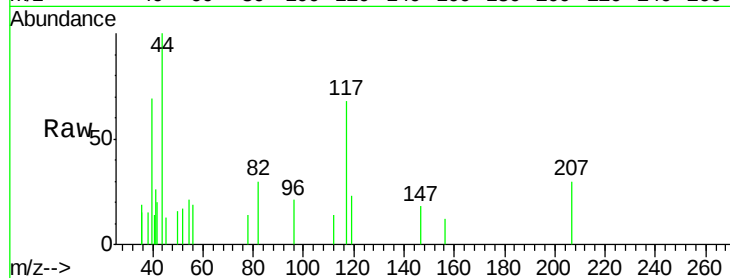
20180371-COMPOSITE-CS-1A

Tot Ion:112 Resp: 69

Ion Ratio Lower Upper

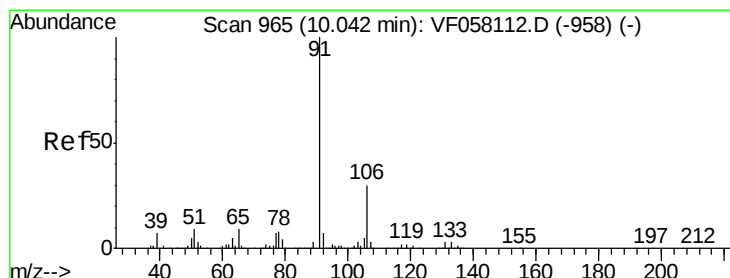
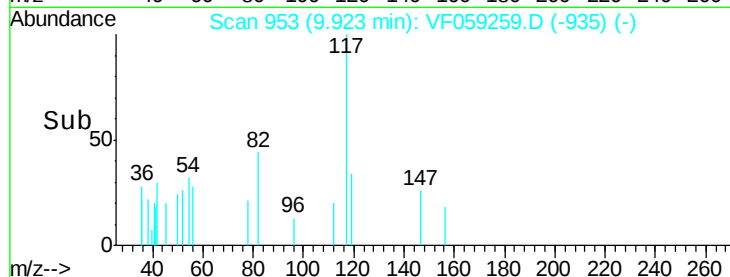
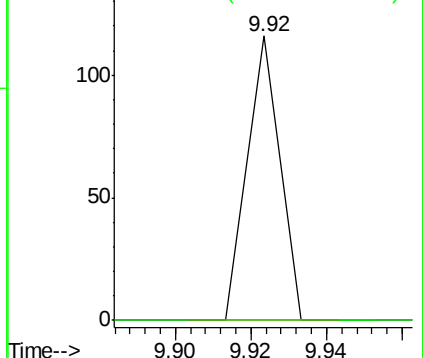
112 100

114 0.0 26.2 39.4#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#67

Ethyl Benzene

Concen: 3.68 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059259.D

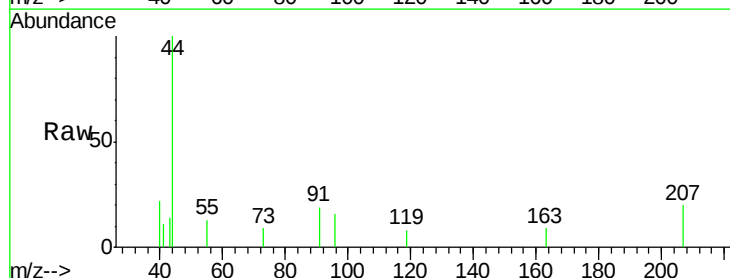
Acq: 21 Jun 2018 12:50

Tgt Ion: 91 Resp: 135

Ion Ratio Lower Upper

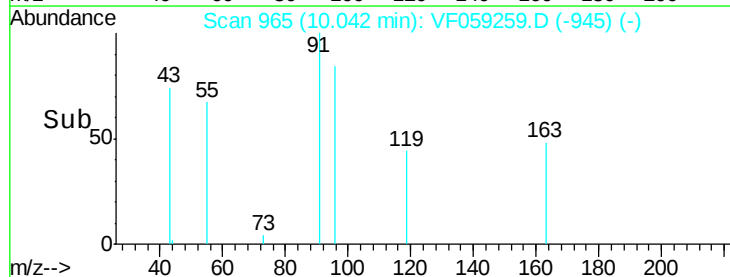
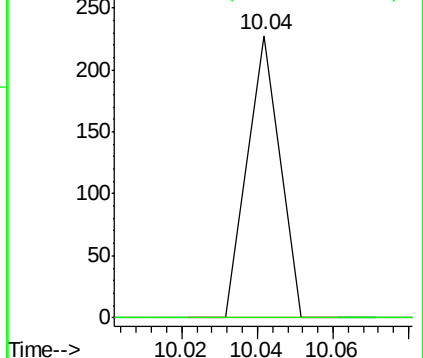
91 100

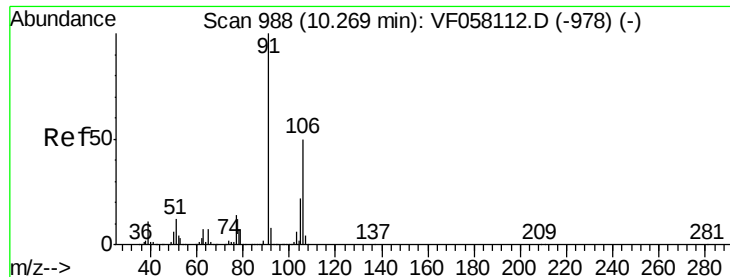
106 0.0 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 5.32 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

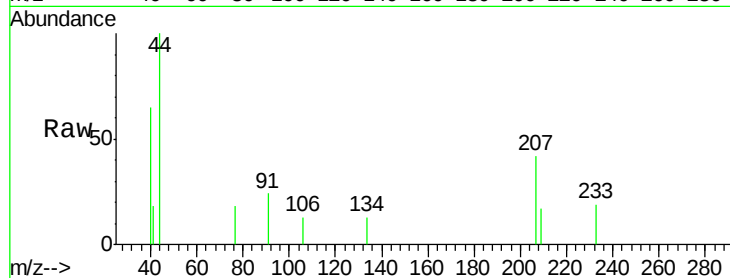
20180371-COMPOSITE-CS-1A

Tot Ion:106 Resp: 73

Ion Ratio Lower Upper

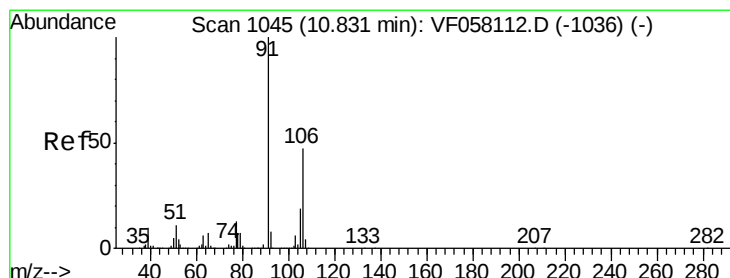
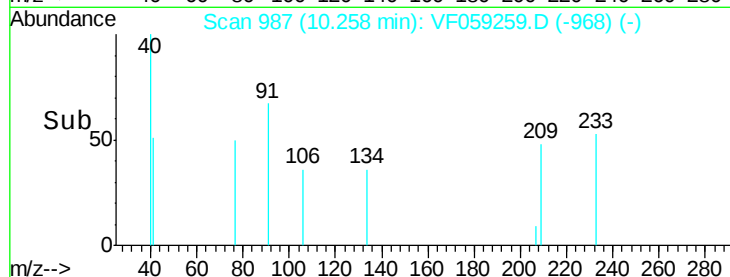
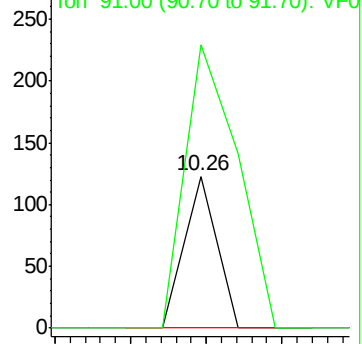
106 100

91 186.2 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 4.72 ug/l

RT: 10.83 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VF059259.D

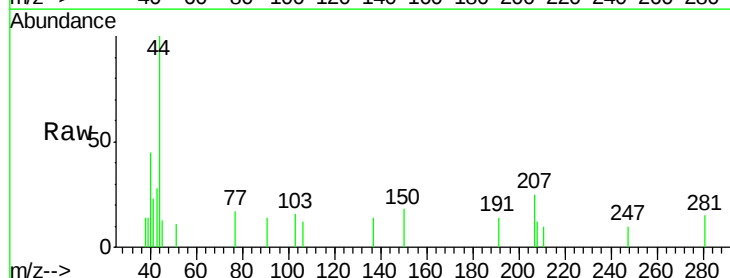
Acq: 21 Jun 2018 12:50

Tgt Ion:106 Resp: 70

Ion Ratio Lower Upper

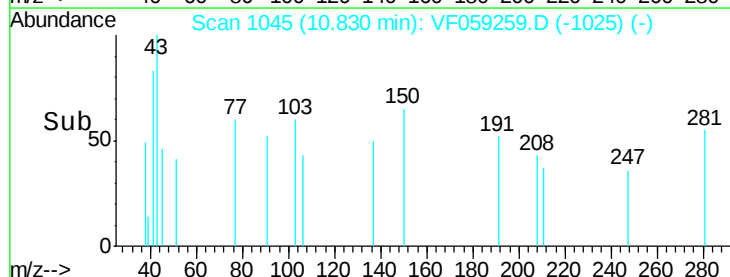
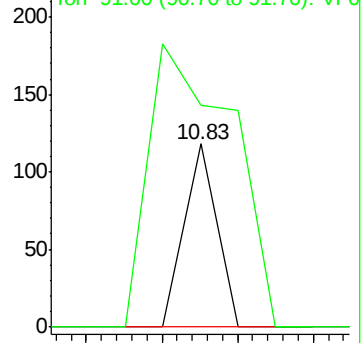
106 100

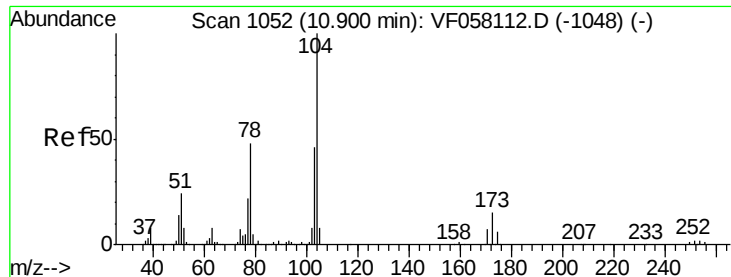
91 121.2 107.0 321.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

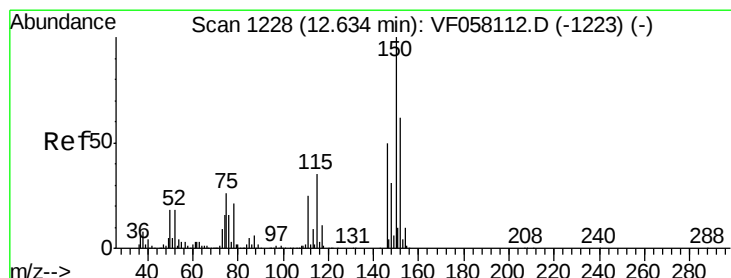
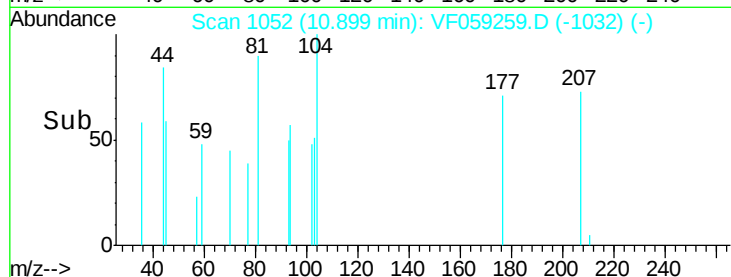
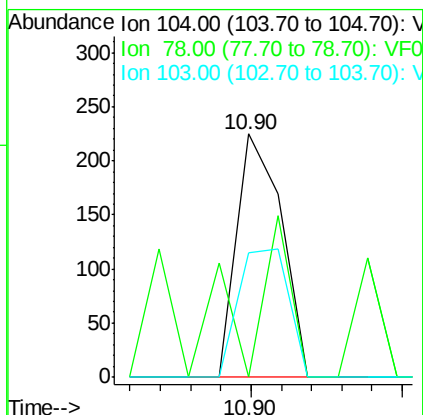
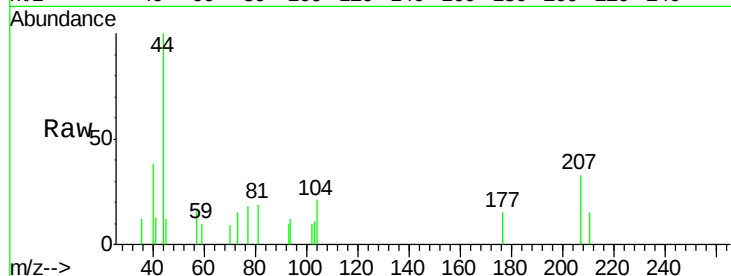




#70
Stvrene
Concen: 10.43 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

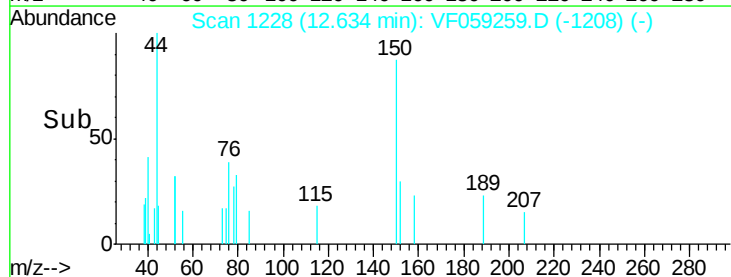
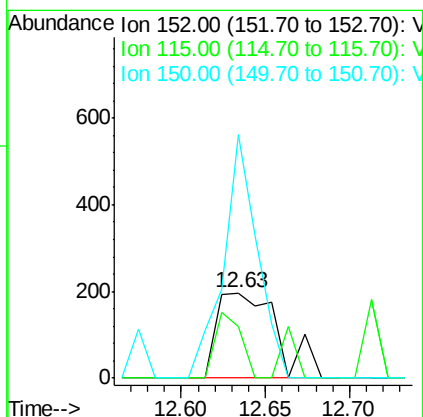
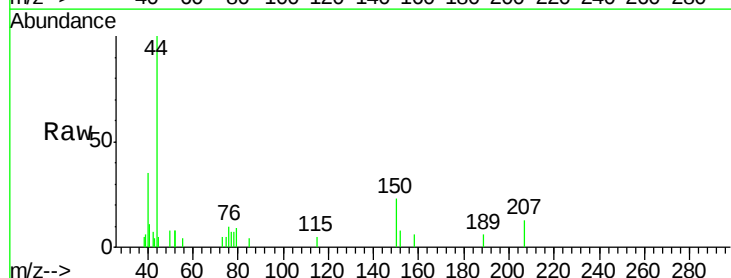
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

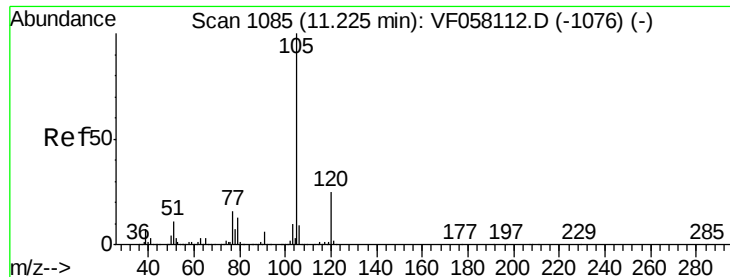
Tot Ion:104 Resp: 234
Ion Ratio Lower Upper
104 100
78 0.0 38.4 57.6#
103 51.1 37.0 55.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion:152 Resp: 491
Ion Ratio Lower Upper
152 100
115 60.7 28.5 85.5
150 286.7 0.0 323.8





#73

Isopropylbenzene

Concen: 7.74 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

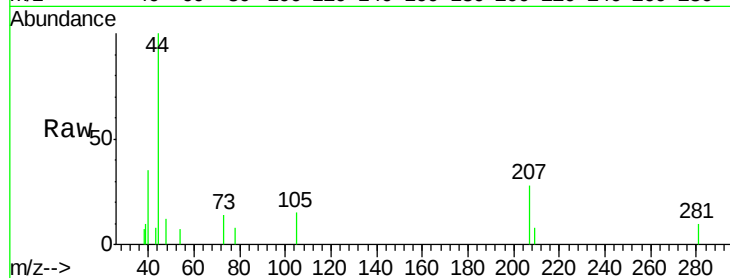
20180371-COMPOSITE-CS-1A

Tot Ion:105 Resp: 263

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

250

200

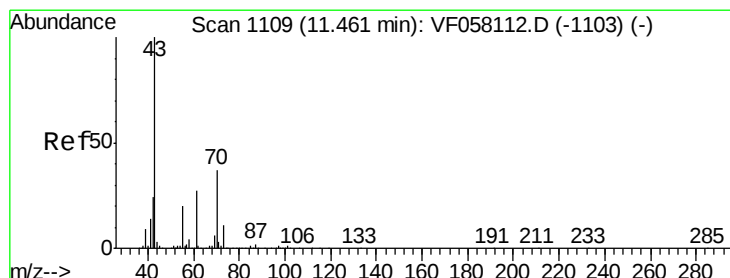
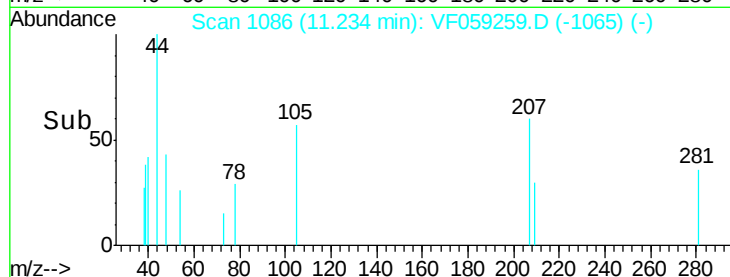
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 14.49 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Tgt Ion: 43 Resp: 176

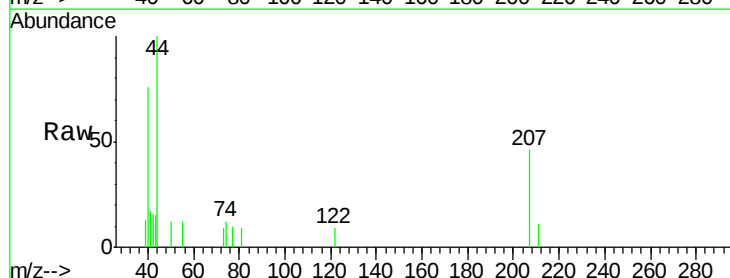
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 79.0 15.8 23.6#

61 0.0 21.3 31.9#



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

300

250

200

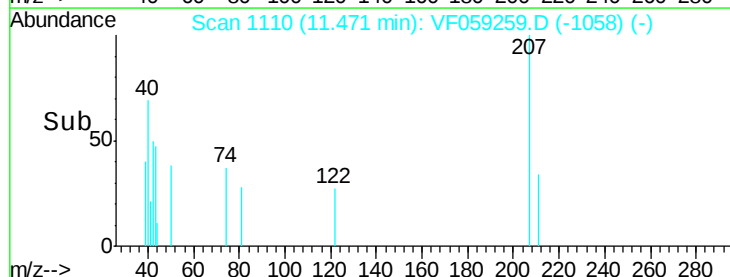
150

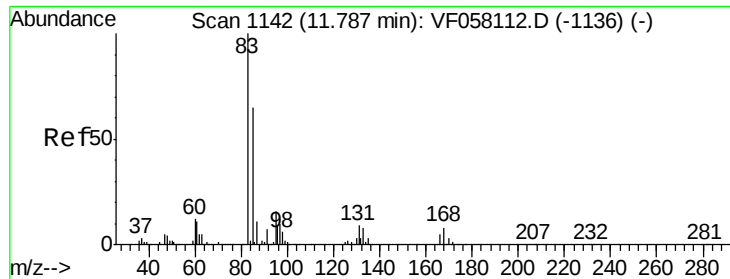
100

50

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 8.07 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

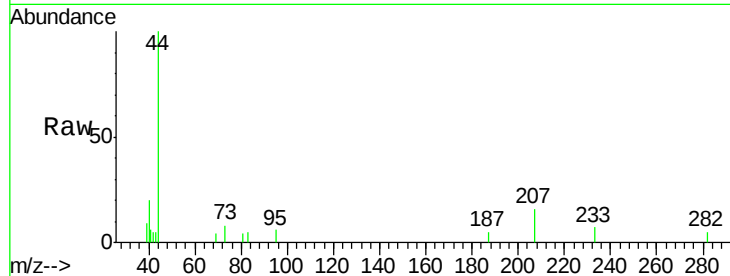
Tot Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

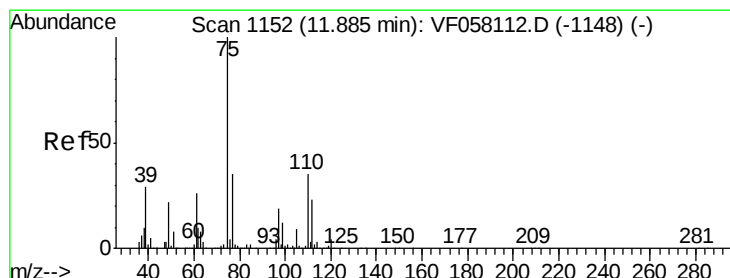
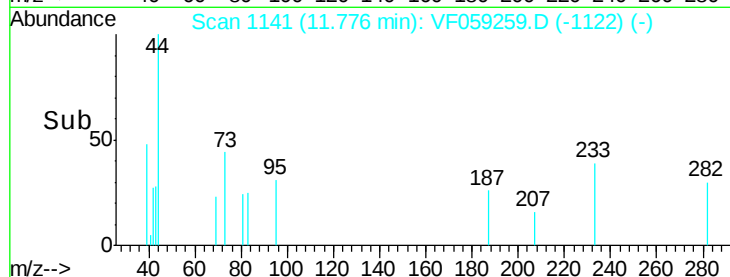
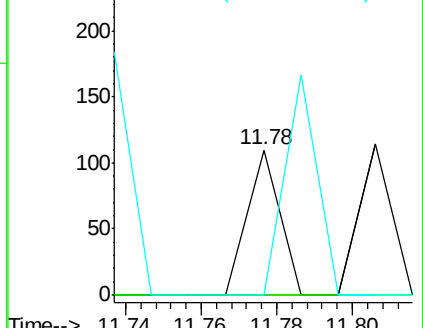
85 0.0 32.8 98.3#



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: 31.08 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059259.D

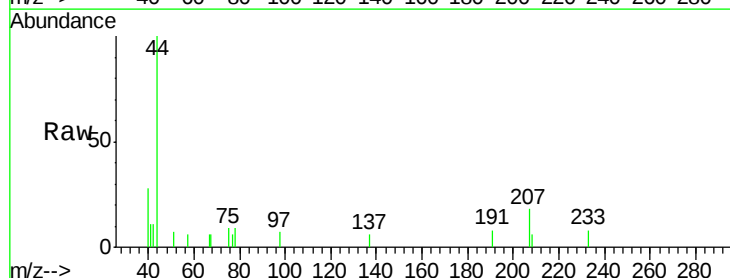
Acq: 21 Jun 2018 12:50

Tgt Ion: 75 Resp: 185

Ion Ratio Lower Upper

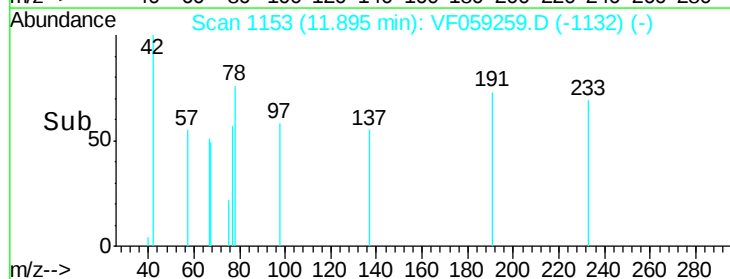
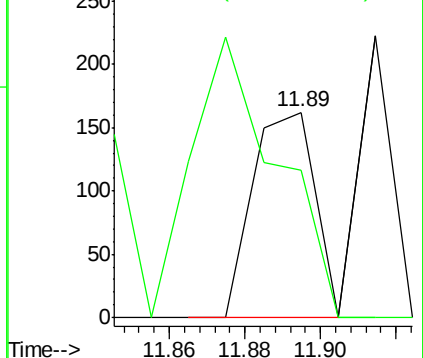
75 100

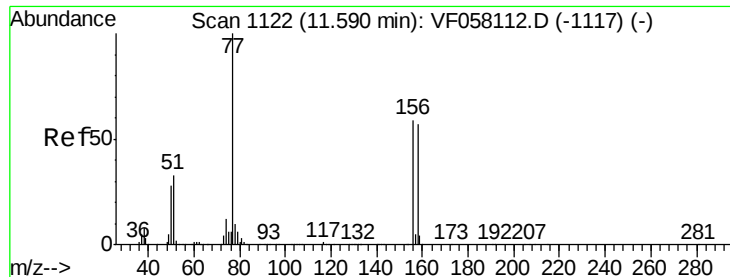
77 71.6 17.5 52.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 15.90 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

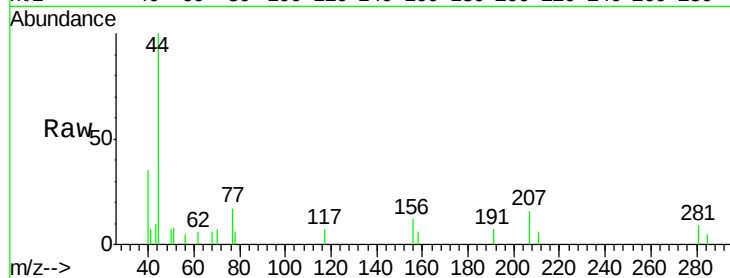
Tot Ion:156 Resp: 136

Ion Ratio Lower Upper

156 100

77 142.2 84.8 254.4

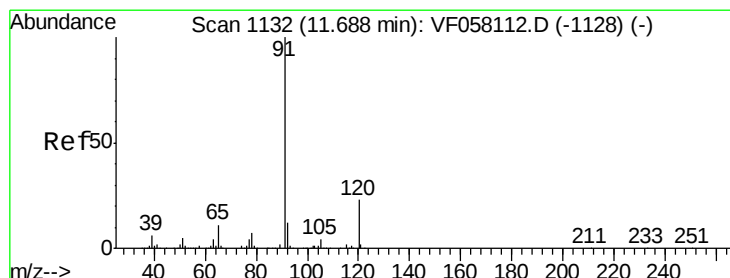
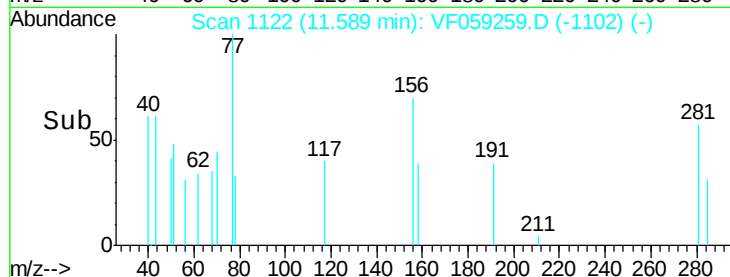
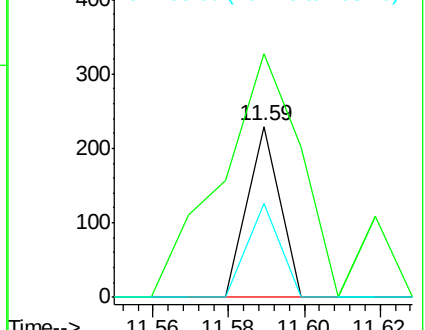
158 54.8 47.9 143.7



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: 8.75 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059259.D

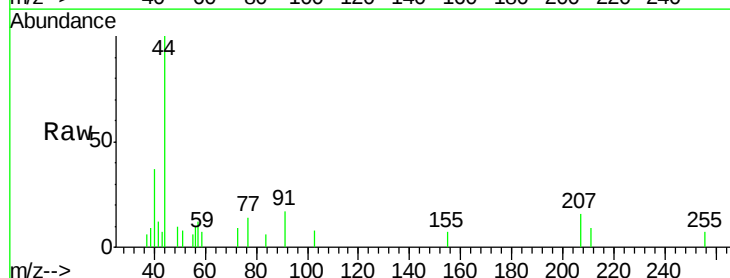
Acq: 21 Jun 2018 12:50

Tgt Ion: 91 Resp: 352

Ion Ratio Lower Upper

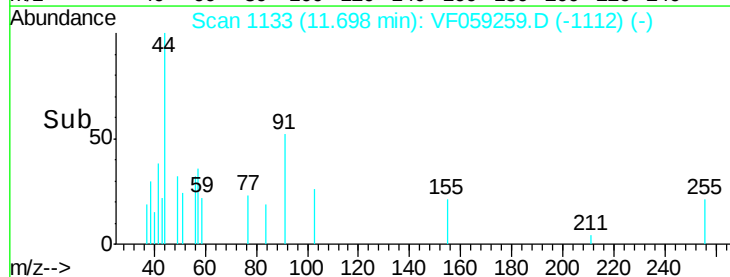
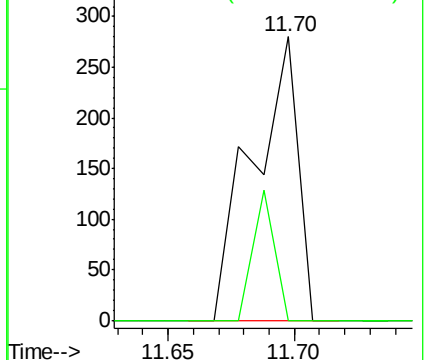
91 100

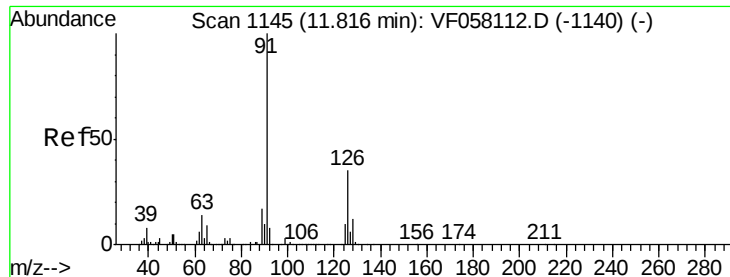
120 0.0 11.5 34.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.57 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.05 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

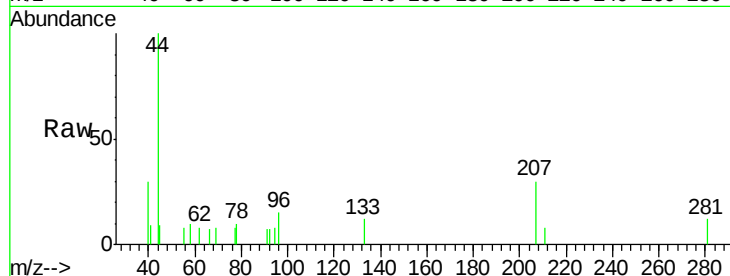
20180371-COMPOSITE-CS-1A

Tot Ion: 91 Resp: 61

Ion Ratio Lower Upper

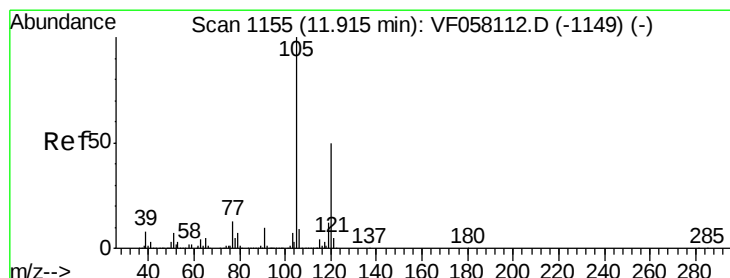
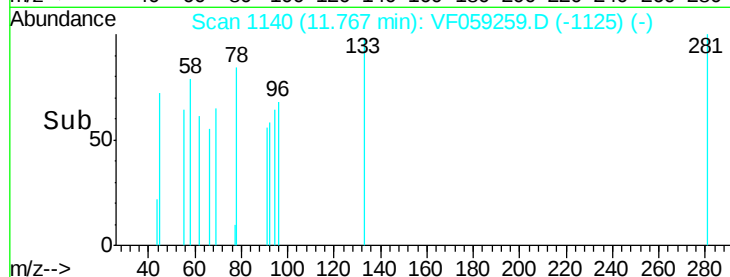
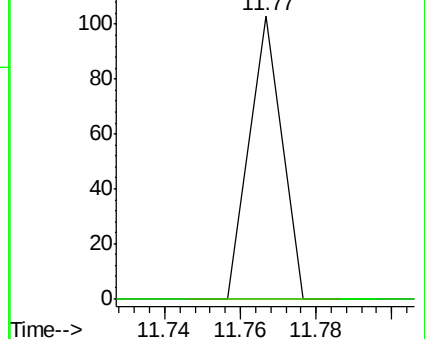
91 100

126 0.0 17.6 52.9#



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: 9.13 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VF059259.D

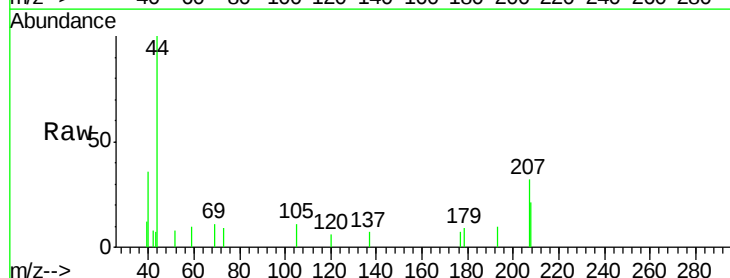
Acq: 21 Jun 2018 12:50

Tgt Ion: 105 Resp: 257

Ion Ratio Lower Upper

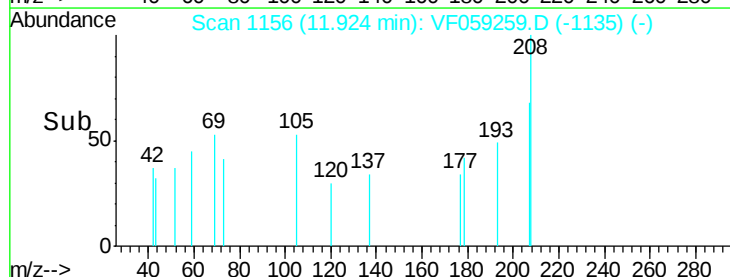
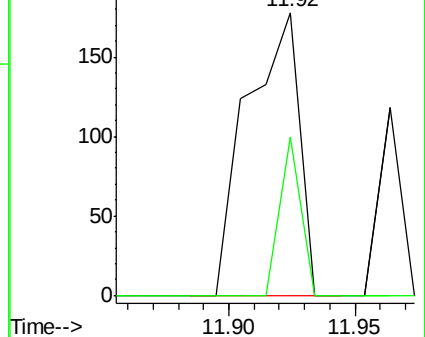
105 100

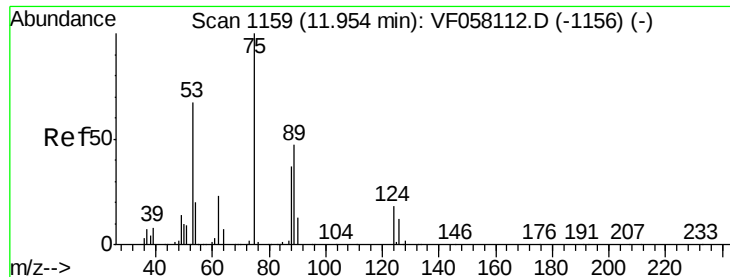
120 56.2 24.9 74.6



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: 38.87 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

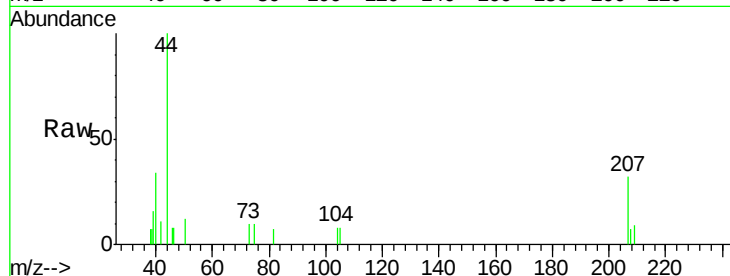
Tot Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

53 0.0 58.7 88.1#

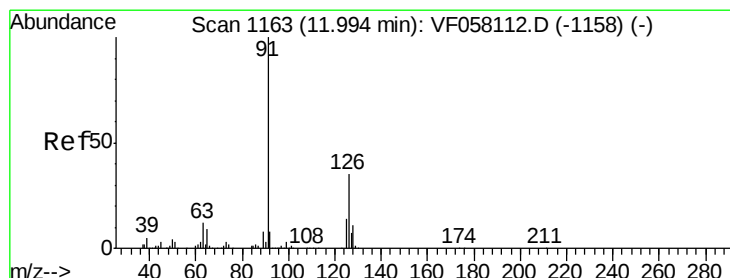
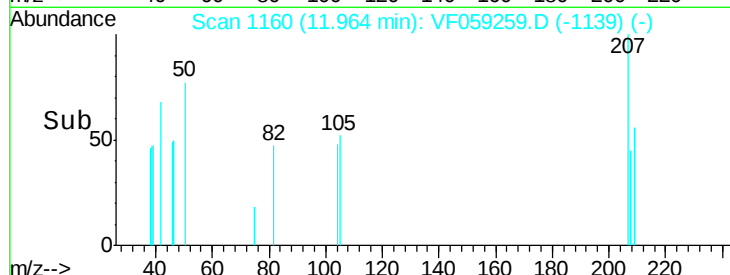
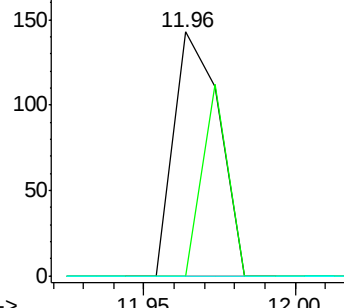
89 0.0 39.8 59.6#



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: 13.63 ug/l

RT: 12.01 min Scan# 1165

Delta R.T. 0.02 min

Lab File: VF059259.D

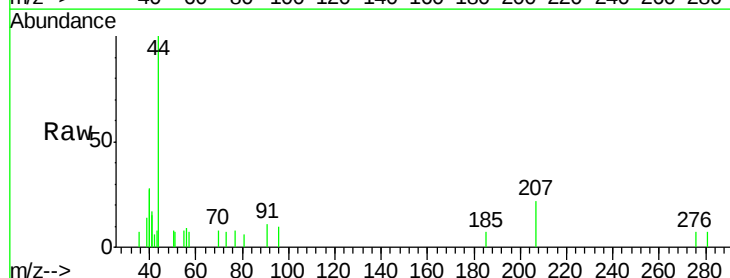
Acq: 21 Jun 2018 12:50

Tgt Ion: 91 Resp: 345

Ion Ratio Lower Upper

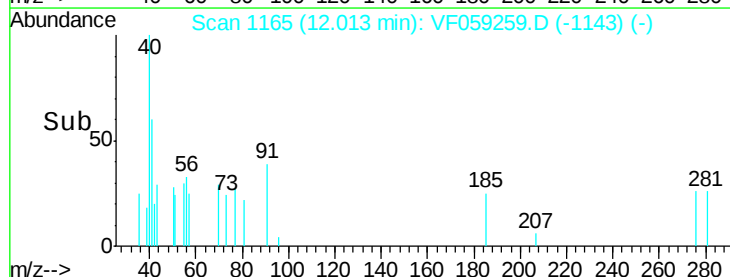
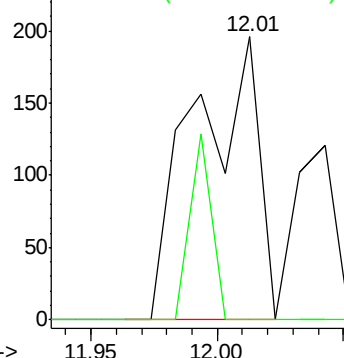
91 100

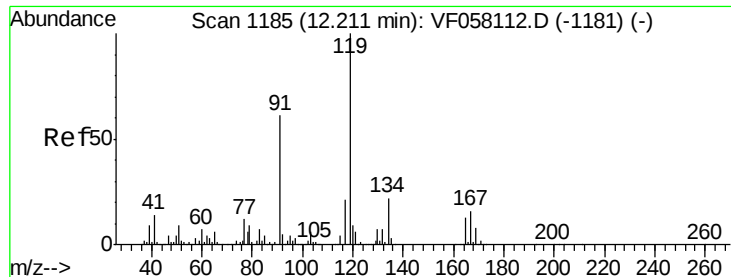
126 0.0 17.4 52.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

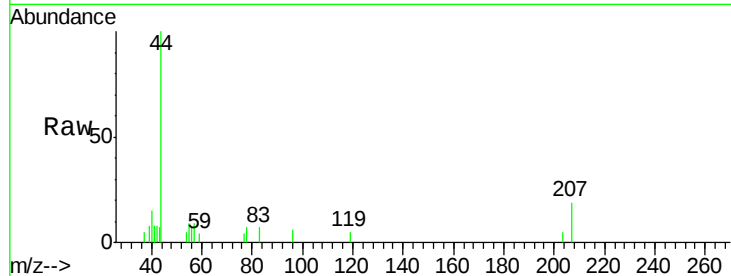




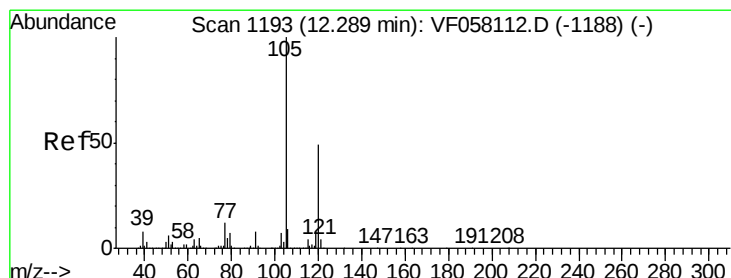
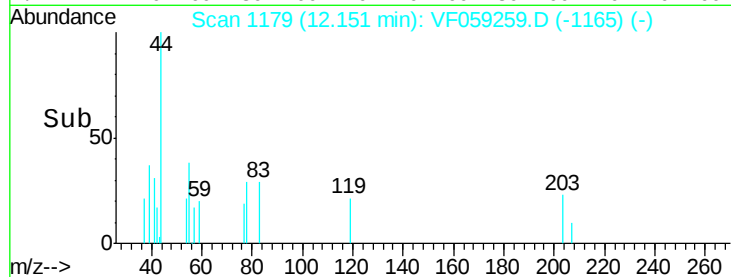
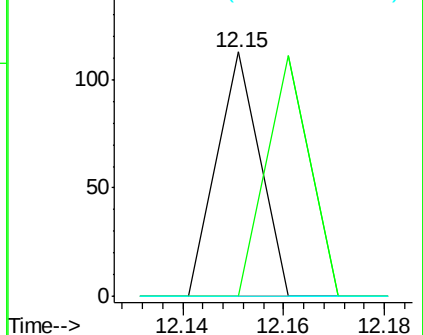
#83
tert-Butylbenzene
Concen: 2.40 ug/l
RT: 12.15 min Scan# 1179
Delta R.T. -0.06 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

Tot Ion:119 Resp: 67
Ion Ratio Lower Upper
119 100
91 0.0 30.4 91.3#
134 0.0 11.2 33.5#

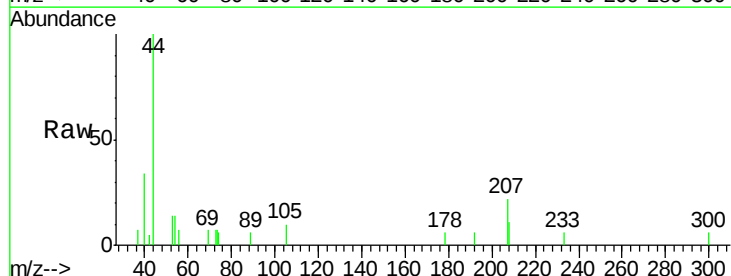


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

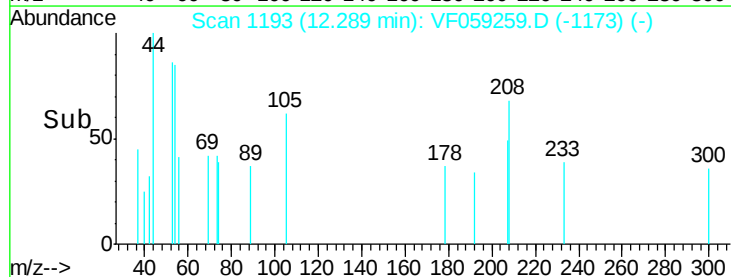
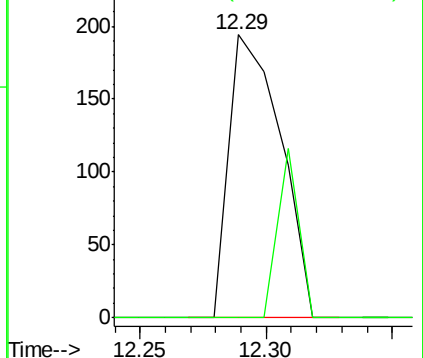


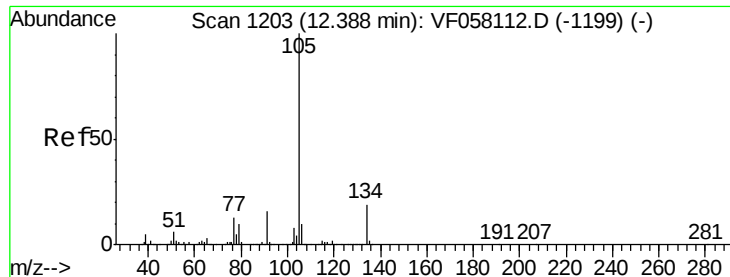
#84
1,2,4-Trimethylbenzene
Concen: 9.50 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion:105 Resp: 277
Ion Ratio Lower Upper
105 100
120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

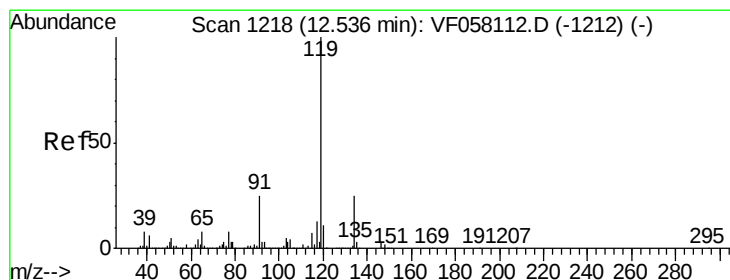
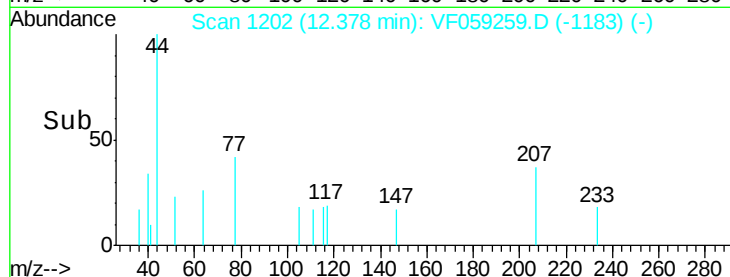
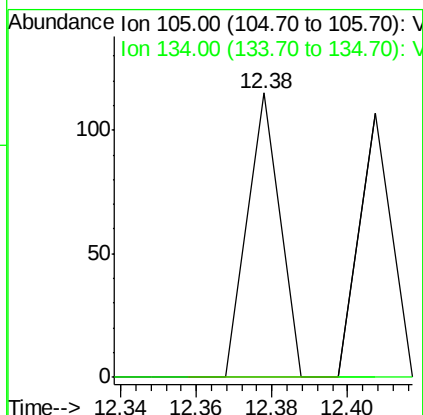
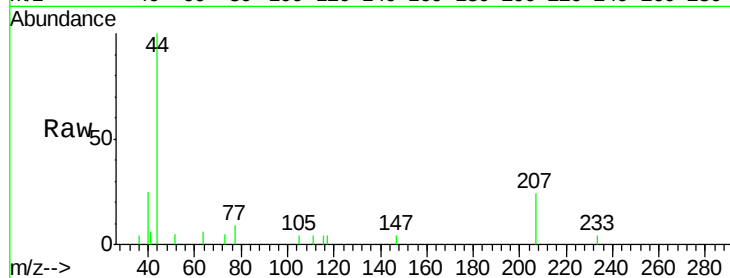




#85
 sec-Butylbenzene
 Concen: 1.79 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

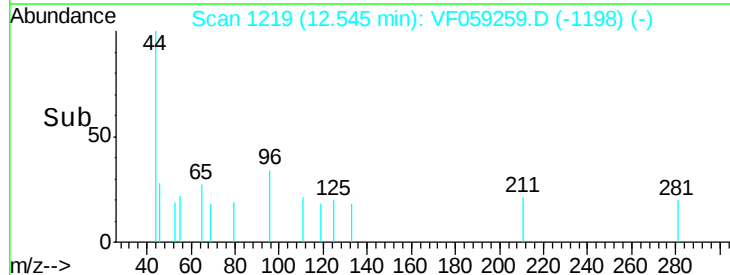
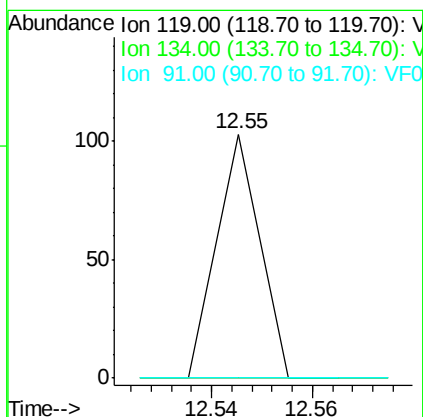
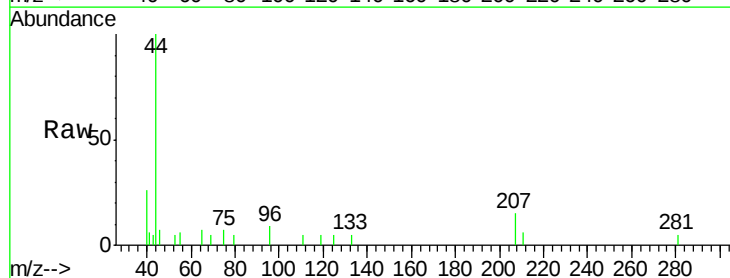
Instrument :
 MSVOA_F
 ClientSampleId :
 20180371-COMPOSITE-CS-1A

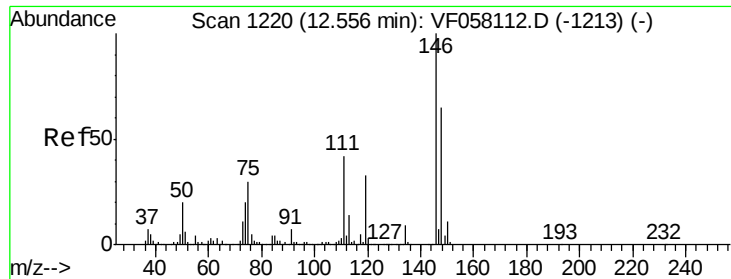
Tot Ion:105 Resp: 68
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#86
 p-Isopropyltoluene
 Concen: 1.96 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

Tgt Ion:119 Resp: 61
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.7 38.0#
 91 0.0 12.6 37.6#

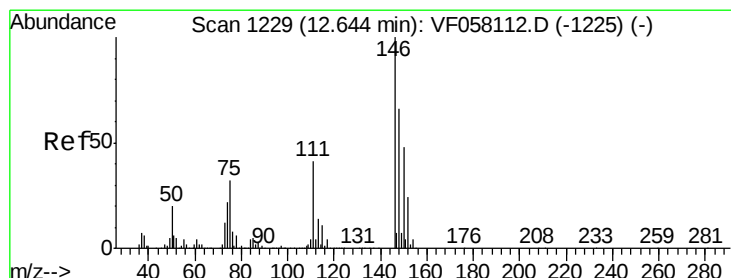
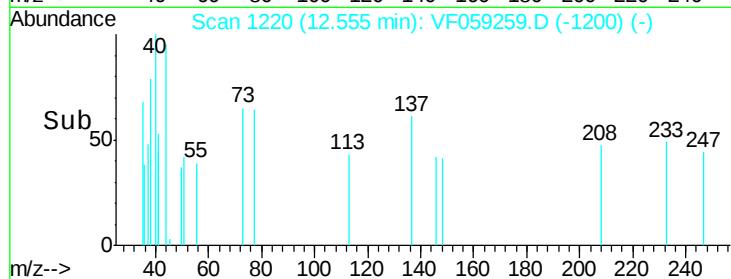
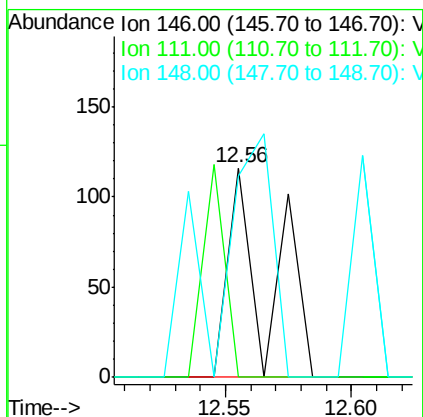
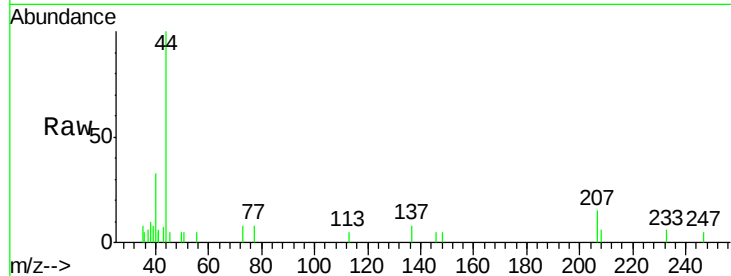




#87
 1,3-Dichlorobenzene
 Concen: 8.17 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

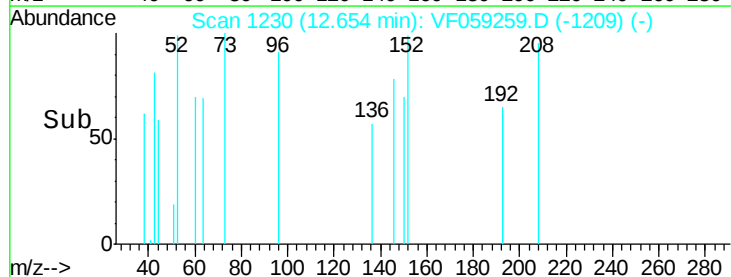
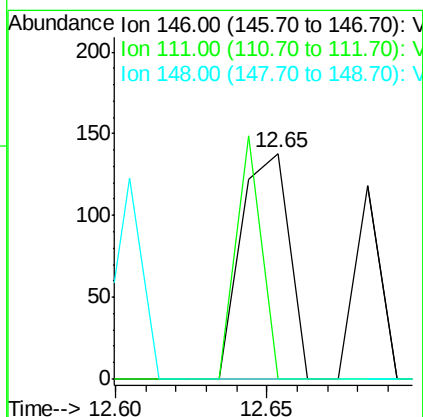
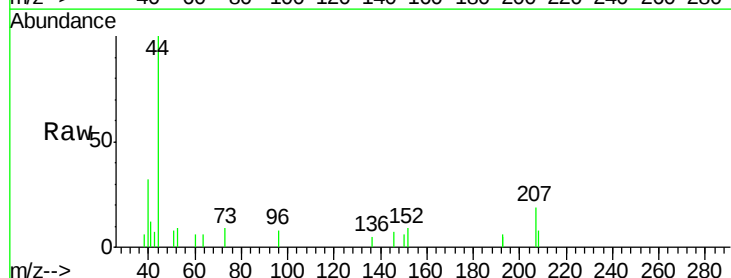
Instrument :
 MSVOA_F
 ClientSampleId :
 20180371-COMPOSITE-CS-1A

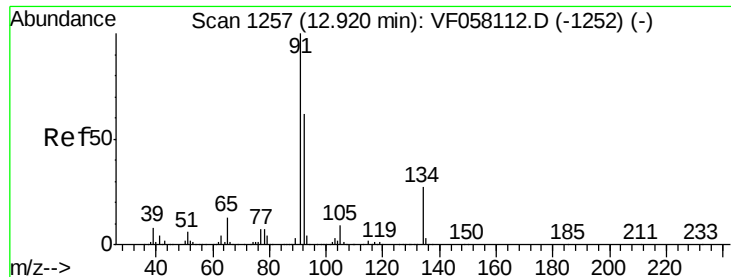
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.5#
148	96.6	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 10.12 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.4	61.2#
148	0.0	33.0	99.0#

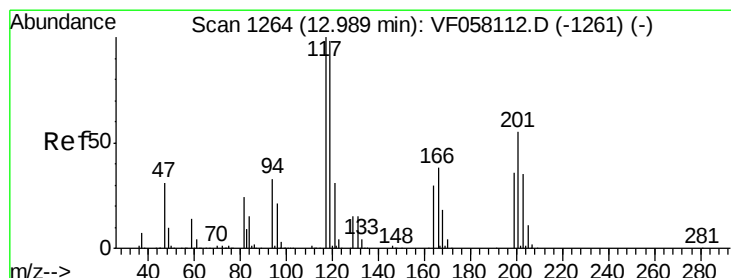
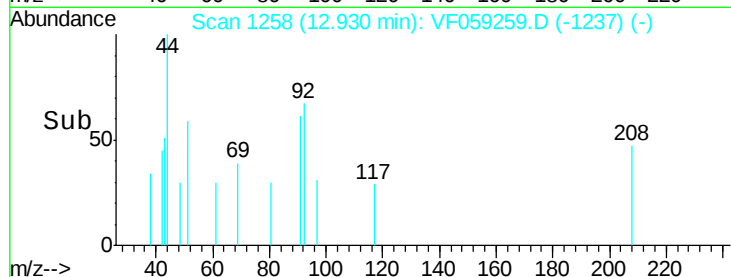
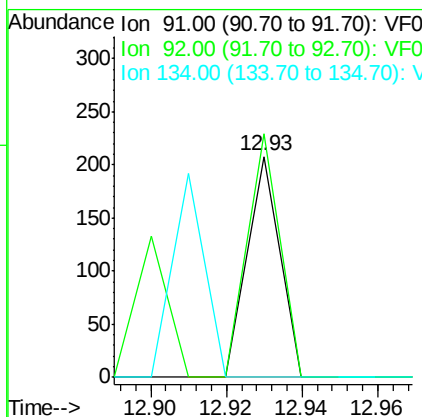
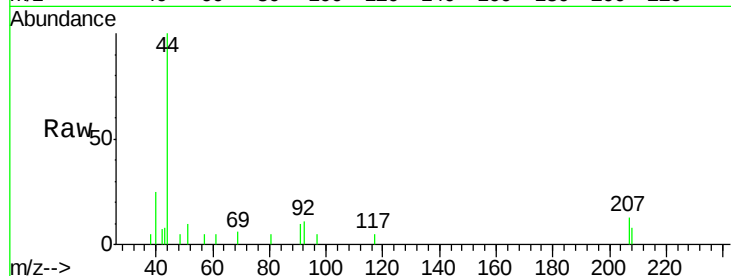




#89
n-Butylbenzene
Concen: 2.57 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

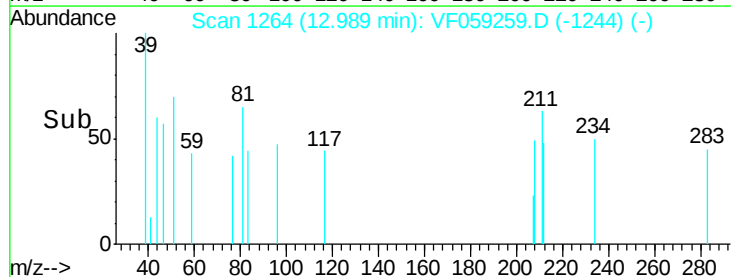
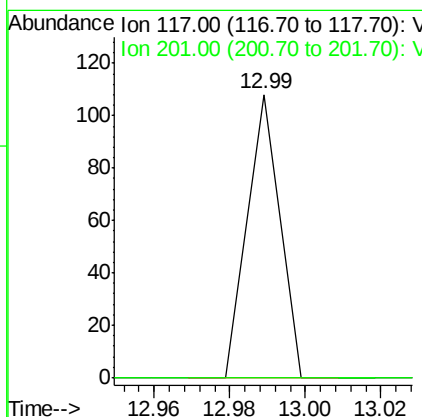
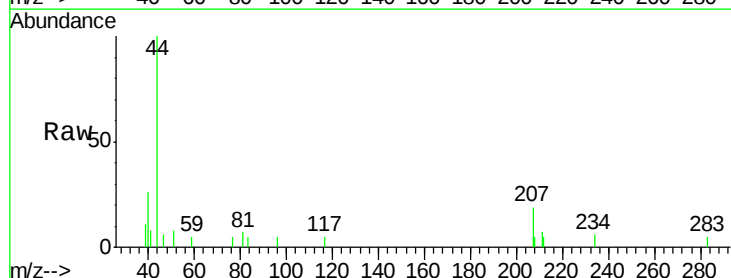
Instrument :
MSVOA_F
ClientSampleId :
20180371-COMPOSITE-CS-1A

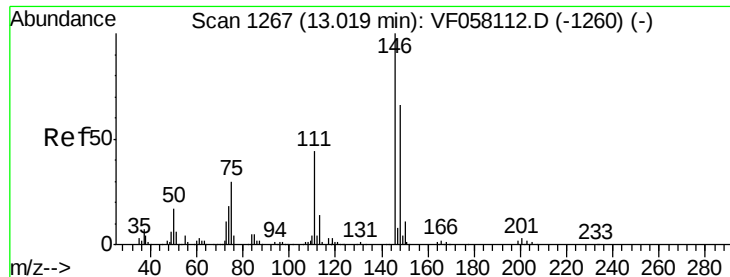
Tot Ion: 91 Resp: 123
Ion Ratio Lower Upper
91 100
92 110.1 31.1 93.5#
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 8.34 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059259.D
Acq: 21 Jun 2018 12:50

Tgt Ion: 117 Resp: 64
Ion Ratio Lower Upper
117 100
201 0.0 27.5 82.4#





#91

1,2-Dichlorobenzene

Concen: 10.84 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

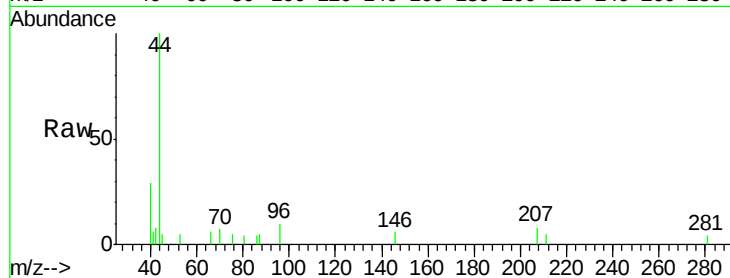
Tot Ion:146 Resp: 165

Ion Ratio Lower Upper

146 100

111 0.0 22.0 66.0#

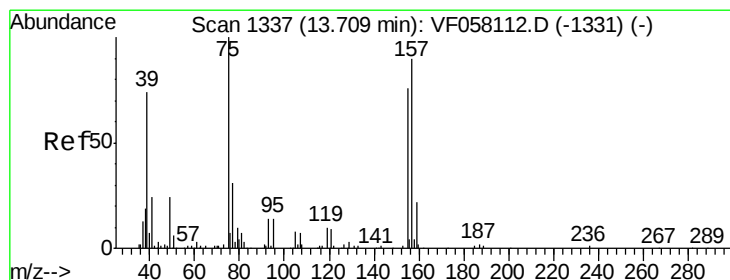
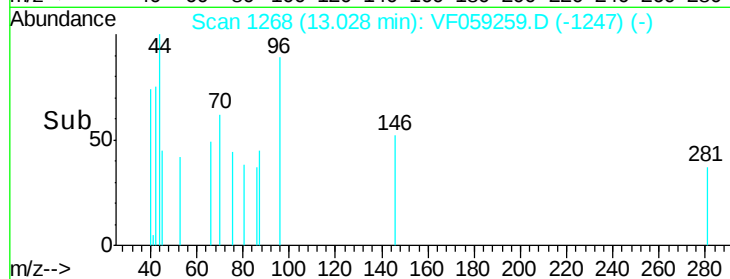
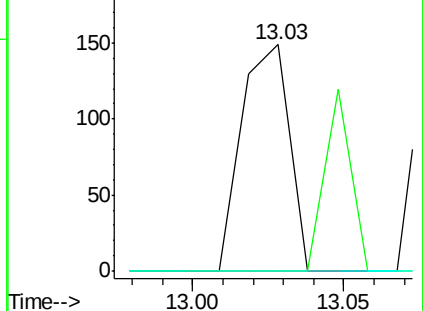
148 0.0 33.1 99.3#



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: 39.22 ug/l

RT: 13.79 min Scan# 1345

Delta R.T. 0.08 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

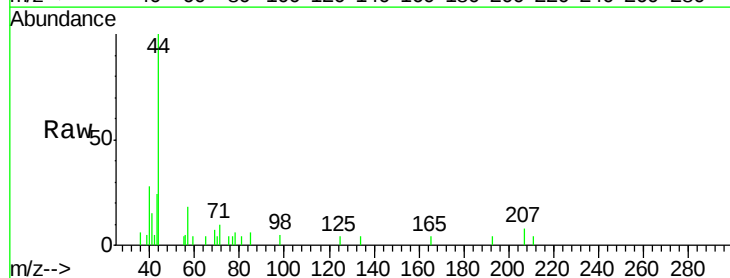
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

155 0.0 38.0 114.0#

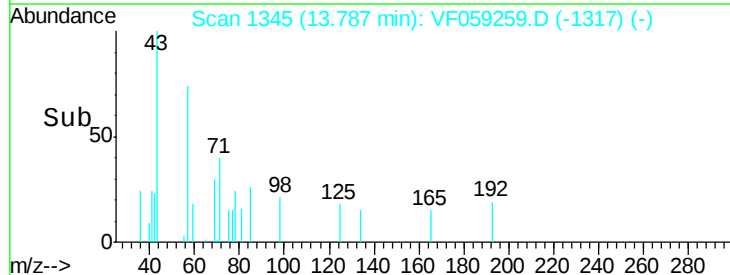
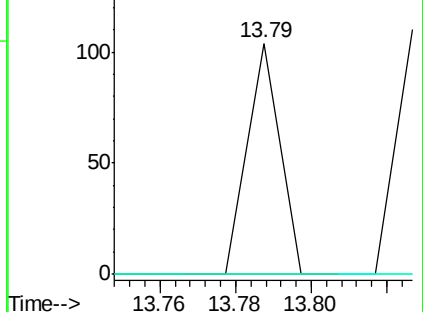
157 0.0 45.1 135.5#

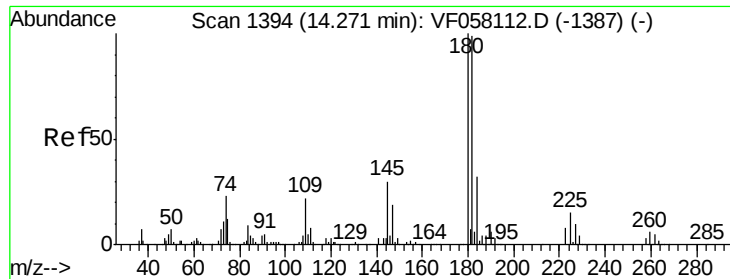


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

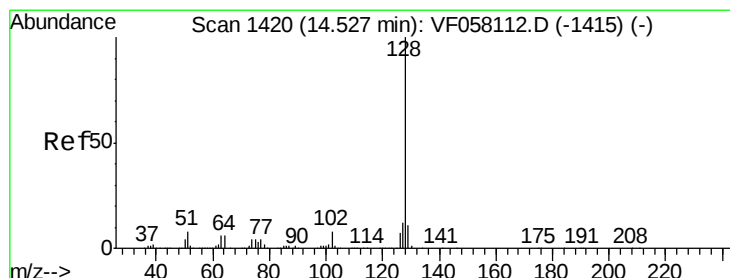
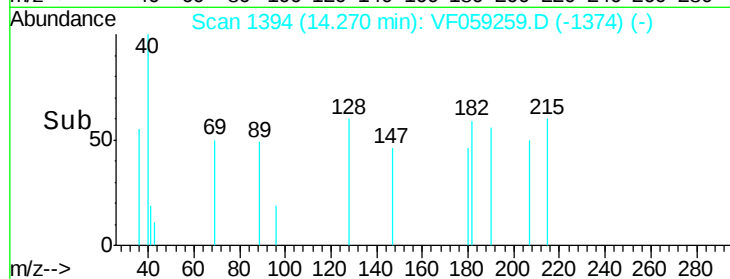
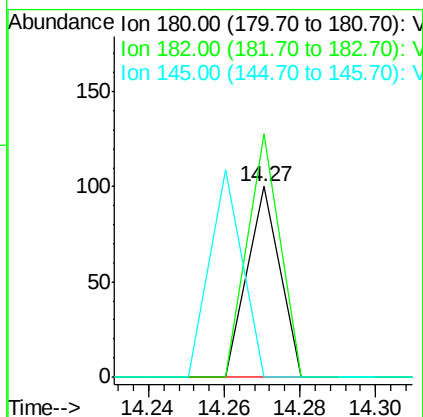
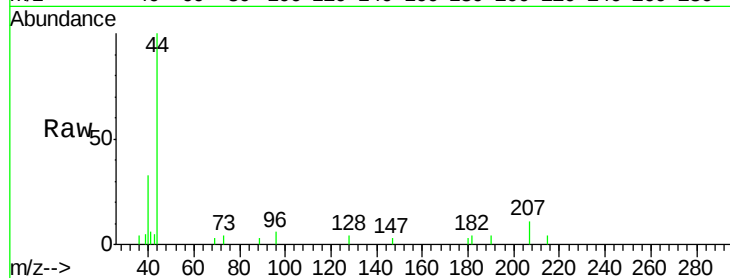




#93
 1,2,4-Trichlorobenzene
 Concen: 5.54 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

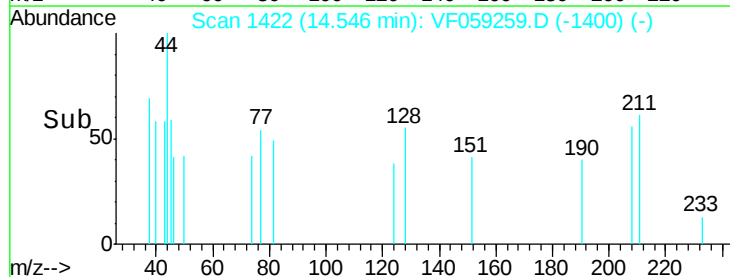
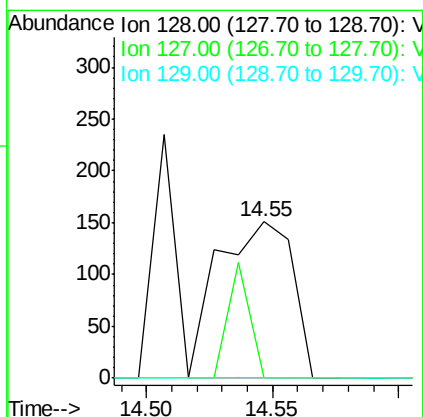
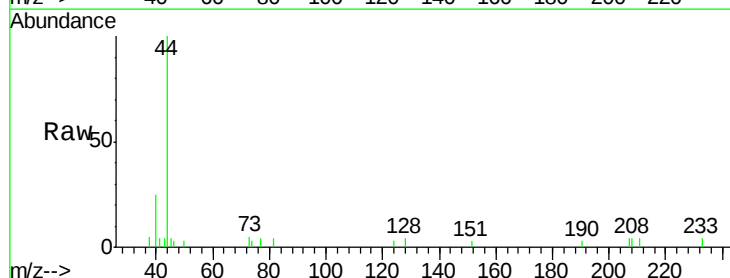
Instrument :
 MSVOA_F
 ClientSampleId :
 20180371-COMPOSITE-CS-1A

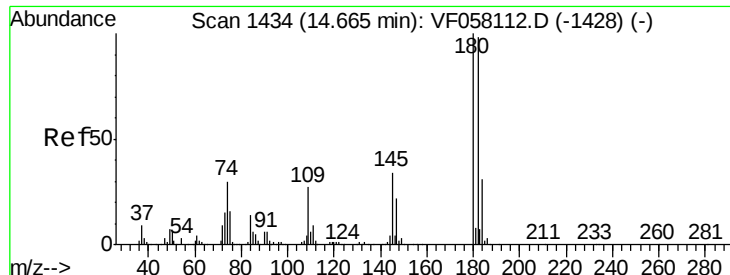
Tot Ion	Ratio	Lower	Upper
180	100		
182	128.0	49.3	147.9
145	0.0	14.9	44.9#



#95
 Naphthalene
 Concen: 13.72 ug/l
 RT: 14.55 min Scan# 1422
 Delta R.T. 0.02 min
 Lab File: VF059259.D
 Acq: 21 Jun 2018 12:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.9	14.9#
129	0.0	8.7	13.1#





#96

1,2,3-Trichlorobenzene

Concen: 6.20 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059259.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_F

ClientSampleId :

20180371-COMPOSITE-CS-1A

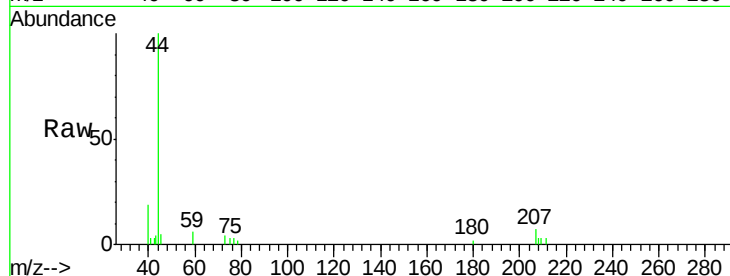
Tot Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.6#

145 0.0 17.3 51.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

