

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110918\
 Data File : VF060679.D
 Acq On : 9 Nov 2018 18:38
 Operator : VA/AP
 Sample : J5269-17RE
 Misc : 6.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-13-DRE

Quant Time: Nov 12 04:14:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	1533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.03	114	75	50.00	ug/l	0.43
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	80	5.16	ug/l	0.02
Spiked Amount	50.000		Recovery	=	10.32%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.26	95	66	87.90	ug/l	0.84
Spiked Amount	50.000		Recovery	=	175.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.92	85	120	3.790	ug/l #	41
3) Chloromethane	1.12	50	157	11.702	ug/l #	45
4) Vinyl Chloride	1.27	62	77	6.228	ug/l #	48
5) Bromomethane	1.30	94	254	36.601	ug/l #	1
6) Chloroethane	1.49	64	69	12.209	ug/l #	40
8) Diethyl Ether	1.62	74	62	14.457	ug/l #	1
10) Methyl Iodide	1.92	142	70	3.217	ug/l #	30
12) 1,1-Dichloroethene	1.79	96	63	5.657	ug/l #	1
13) Acrolein	2.14	56	289	618.561	ug/l	87
14) Allyl chloride	2.12	41	511	28.101	ug/l #	35
15) Acrylonitrile	2.95	53	70	37.921	ug/l #	15
16) Acetone	2.23	43	758	207.682	ug/l #	59
17) Carbon Disulfide	1.83	76	59	1.881	ug/l #	68
18) Methyl Acetate	2.34	43	610	107.044	ug/l #	64
19) Methyl tert-butyl Ether	2.44	73	62	2.382	ug/l #	58
20) Methylene Chloride	2.21	84	73	1.438	ug/l #	3
21) trans-1,2-Dichloroethene	2.36	96	72	6.162	ug/l #	1
22) Diisopropyl ether	2.79	45	217	5.632	ug/l #	34
23) Vinyl Acetate	3.17	43	797	34.429	ug/l #	75
24) 1,1-Dichloroethane	2.86	63	60	2.691	ug/l #	89
25) 2-Butanone	4.31	43	160	Below Cal	#	56
26) 2,2-Dichloropropane	3.58	77	73	4.375	ug/l #	57
27) cis-1,2-Dichloroethene	3.53	96	106	4.752	ug/l	1
29) Tetrahydrofuran	4.07	42	396	141.855	ug/l #	49
30) Chloroform	3.99	83	65	1.843	ug/l #	16
31) Cyclohexane	3.66	56	182	5.915	ug/l #	17
36) 1,1-Dichloropropene	4.70	75	74	89.610	ug/l #	43
37) Ethyl Acetate	4.38	43	405	1021.658	ug/l #	17
38) Carbon Tetrachloride	4.40	117	69	97.783	ug/l #	11
39) Methylcyclohexane	5.91	83	80	79.384	ug/l #	44
40) Benzene	4.96	78	69	34.422	ug/l #	51
41) Methacrylonitrile	5.14	41	1121	4993.463	ug/l #	26
43) Isopropyl Acetate	7.52	43	446	889.452	ug/l #	45
45) 1,2-Dichloropropane	6.85	63	80	156.048	ug/l #	43

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

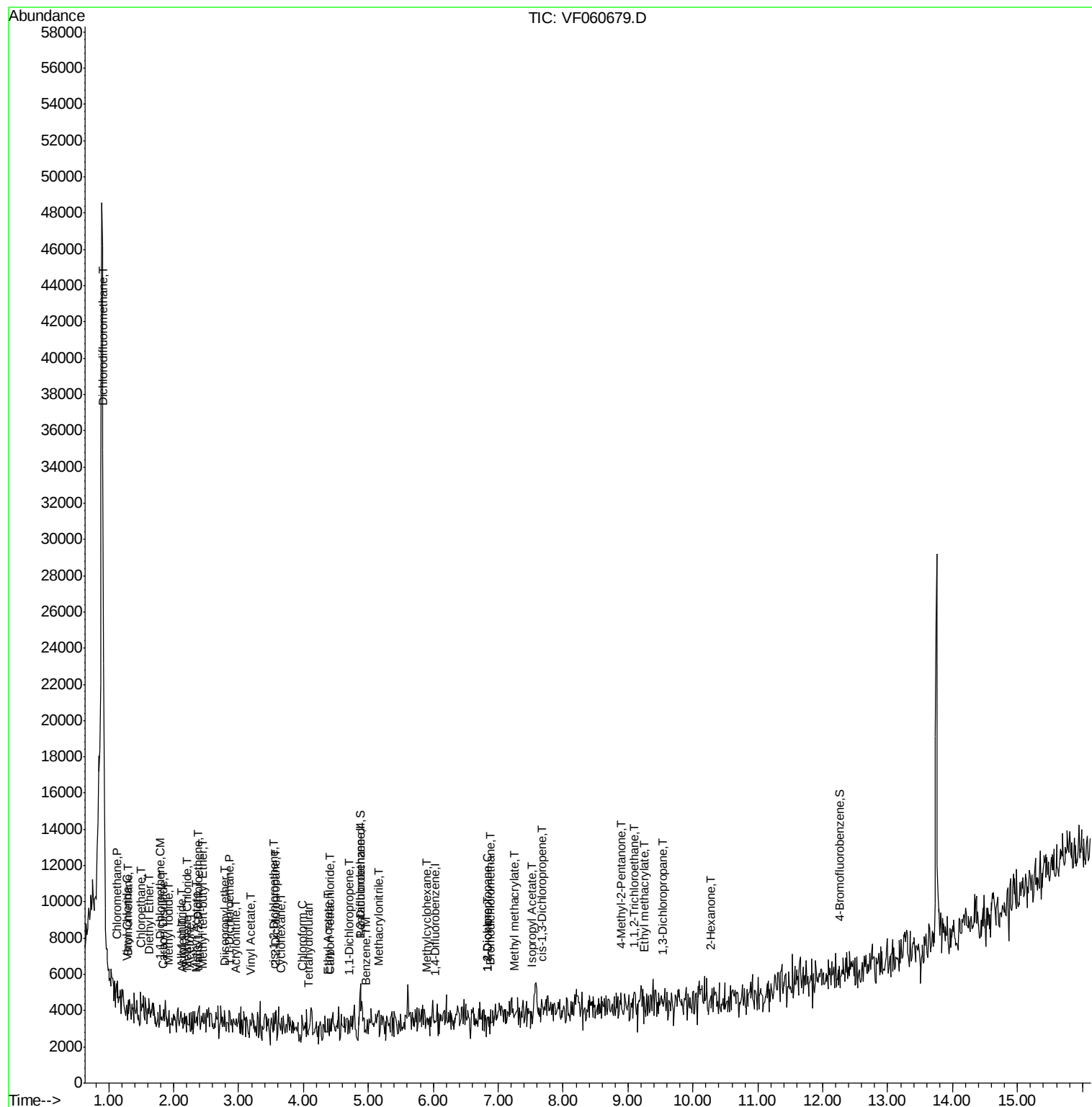
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	6.88	83	76	96.880	ug/l #	24
48) Methyl methacrylate	7.25	41	804	2551.213	ug/l #	42
49) 1,4-Dioxane	6.83	88	143	43376.670	ug/l #	47
51) 4-Methyl-2-Pentanone	8.88	43	907	2689.830	ug/l #	37
54) cis-1,3-Dichloropropene	7.69	75	140	162.517	ug/l #	67
55) 1,1,2-Trichloroethane	9.11	97	89	234.228	ug/l #	14
56) Ethyl methacrylate	9.26	69	111	227.054	ug/l #	2
57) 1,3-Dichloropropane	9.53	76	63	94.493	ug/l #	44
59) 2-Hexanone	10.26	43	621	3070.144	ug/l #	26

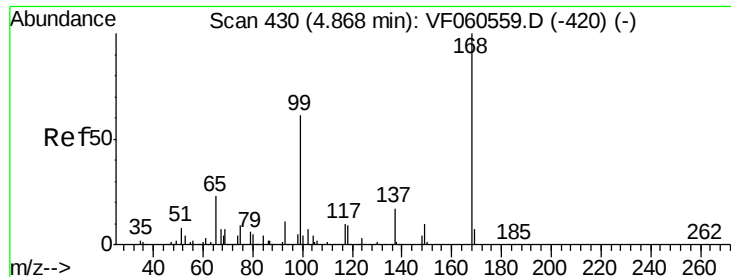
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF110918\
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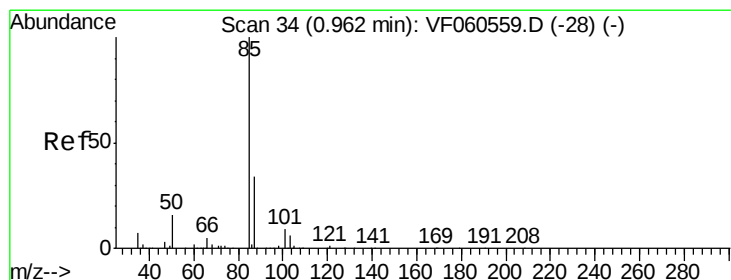
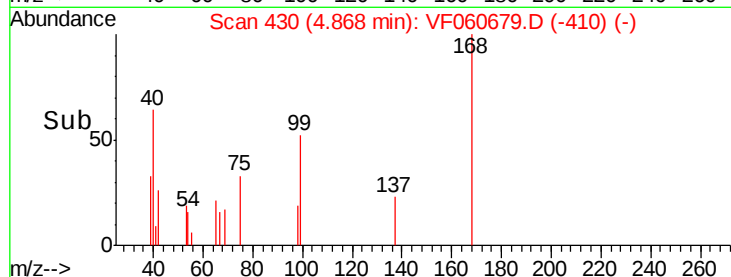
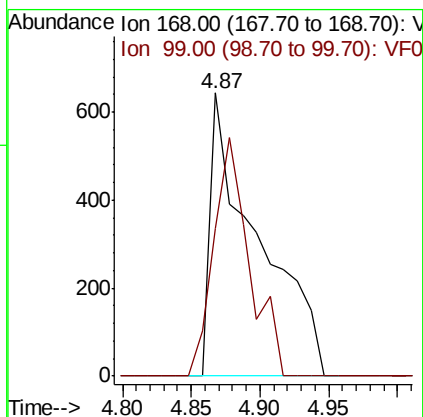
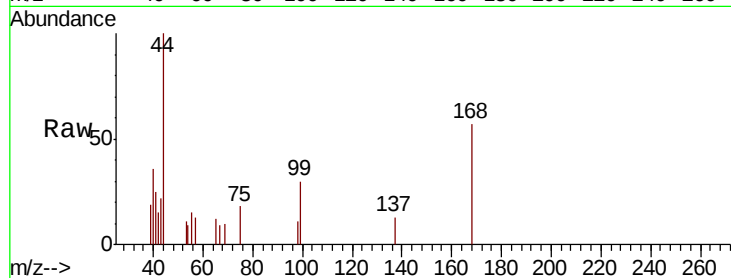




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.00 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

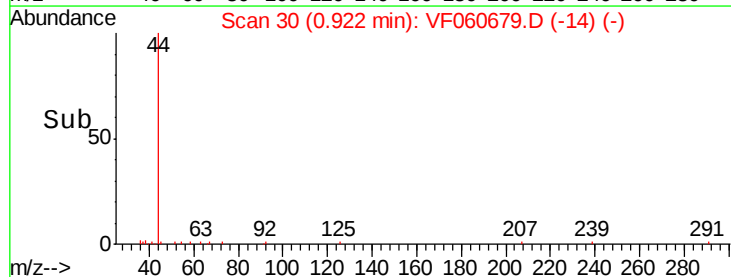
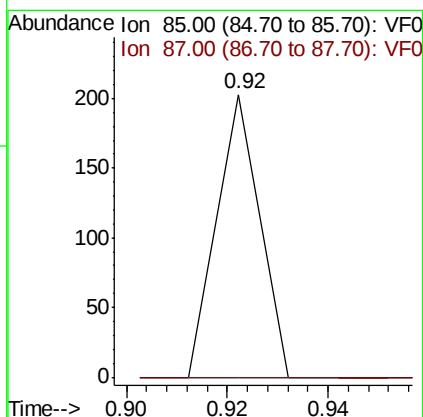
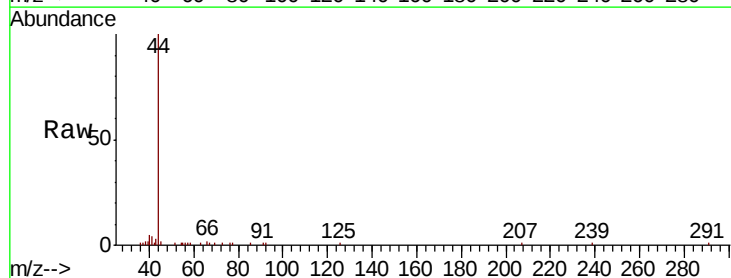
Instrument :
MSVOA_F
ClientSampleId :
SB-13-DRE

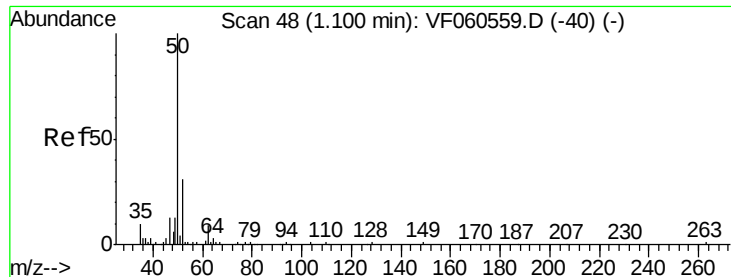
Tgt Ion:168 Resp: 1533
Ion Ratio Lower Upper
168 100
99 52.3 48.6 72.8



#2
Dichlorodifluoromethane
Concen: 3.790 ug/l
RT: 0.92 min Scan# 30
Delta R.T. -0.04 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Tgt Ion: 85 Resp: 120
Ion Ratio Lower Upper
85 100
87 0.0 16.9 50.7#





#3

Chloromethane

Concen: 11.702 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

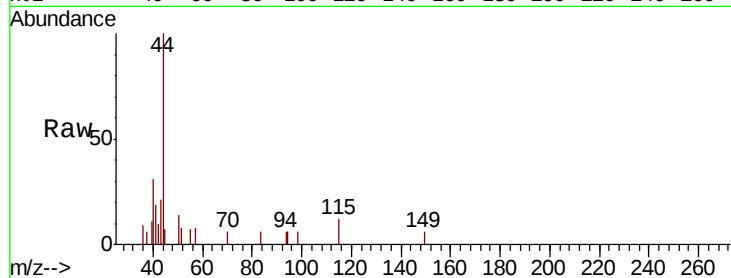
SB-13-DRE

Tgt Ion: 50 Resp: 157

Ion Ratio Lower Upper

50 100

52 0.0 24.0 36.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.12

250

200

150

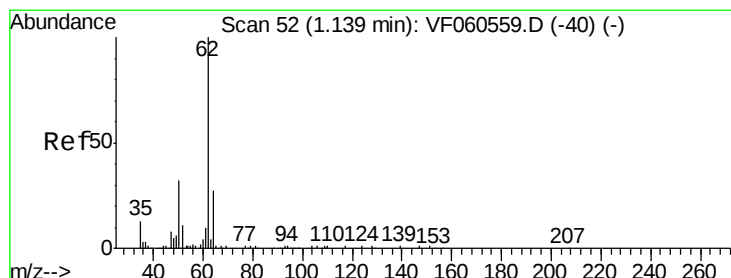
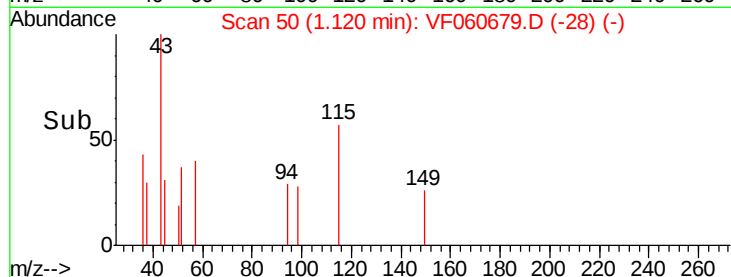
100

50

0

1.10 1.12 1.14

Time-->



#4

Vinyl Chloride

Concen: 6.228 ug/l

RT: 1.27 min Scan# 65

Delta R.T. 0.13 min

Lab File: VF060679.D

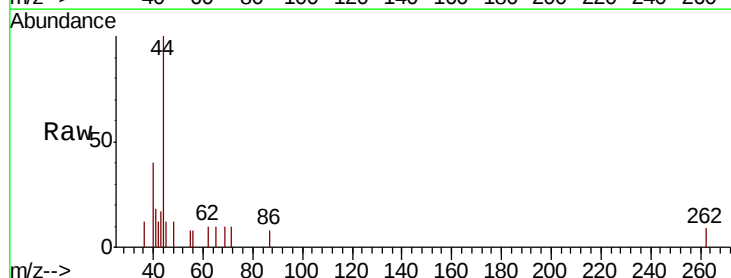
Acq: 9 Nov 2018 18:38

Tgt Ion: 62 Resp: 77

Ion Ratio Lower Upper

62 100

64 0.0 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

150

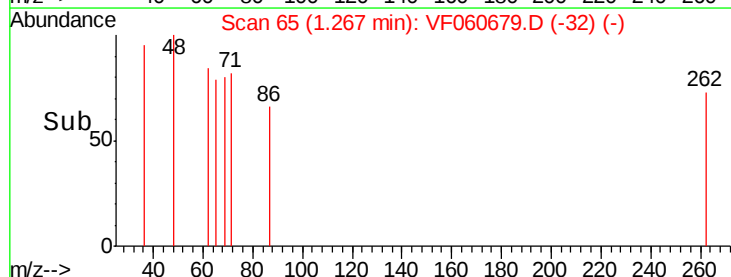
100

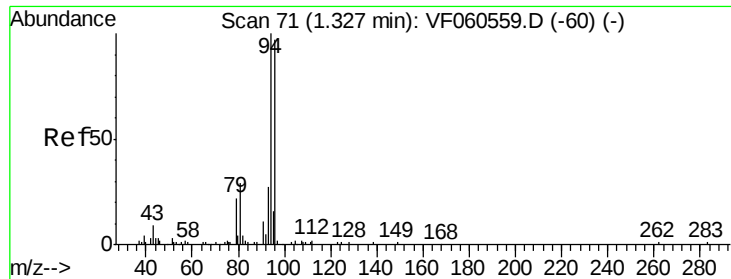
50

0

1.24 1.26 1.28 1.30

Time-->





#5

Bromomethane

Concen: 36.601 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

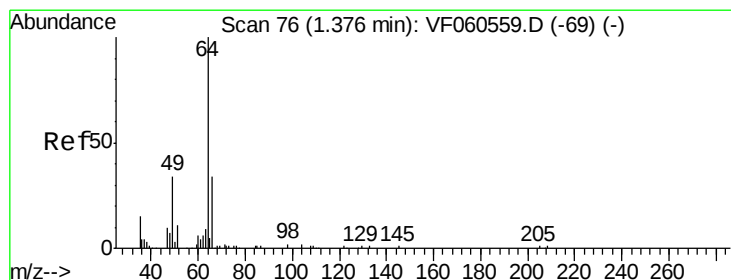
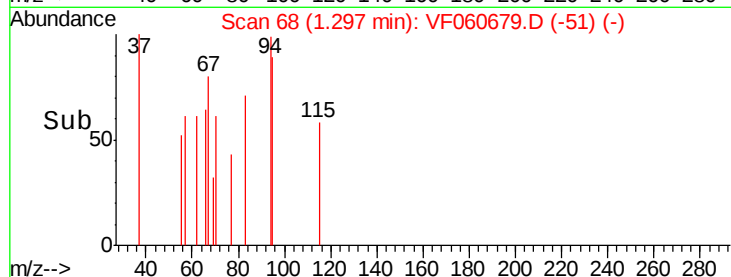
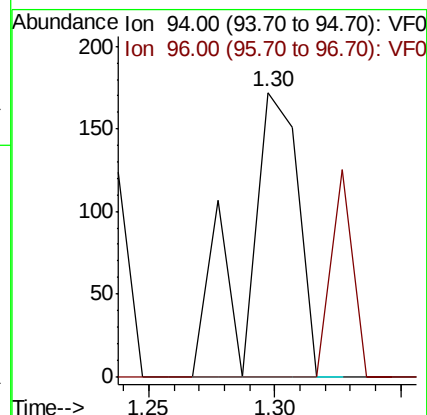
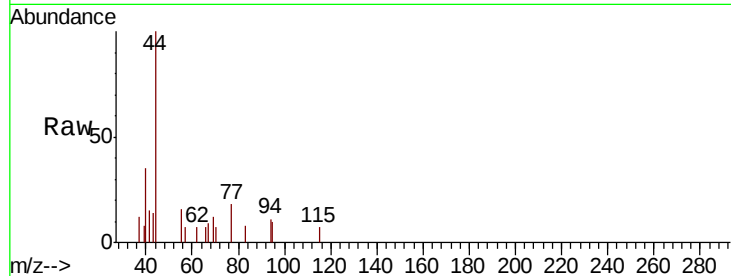
SB-13-DRE

Tgt Ion: 94 Resp: 254

Ion Ratio Lower Upper

94 100

96 0.0 77.9 116.9#



#6

Chloroethane

Concen: 12.209 ug/l

RT: 1.49 min Scan# 88

Delta R.T. 0.12 min

Lab File: VF060679.D

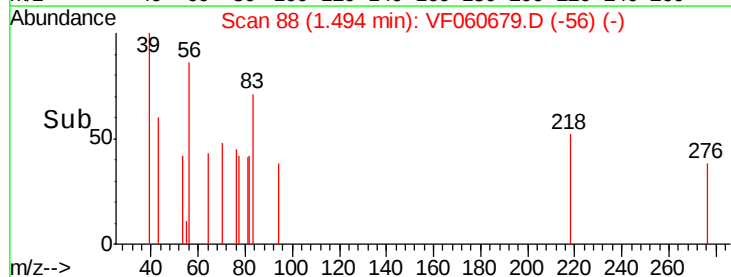
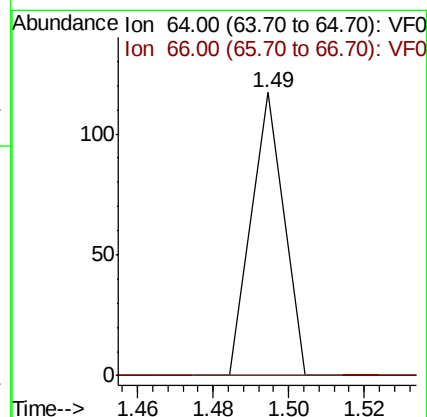
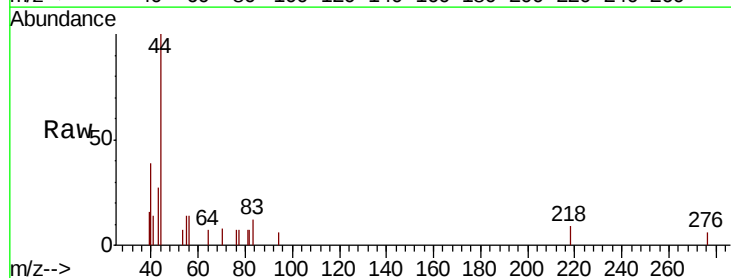
Acq: 9 Nov 2018 18:38

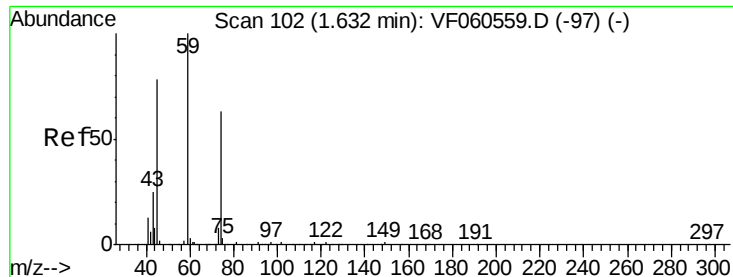
Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 0.0 27.8 41.8#





#8

Diethyl Ether

Concen: 14.457 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampled :

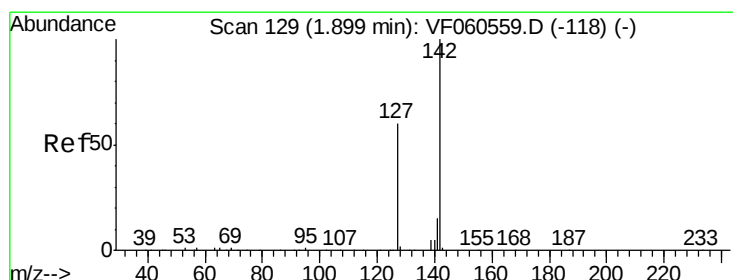
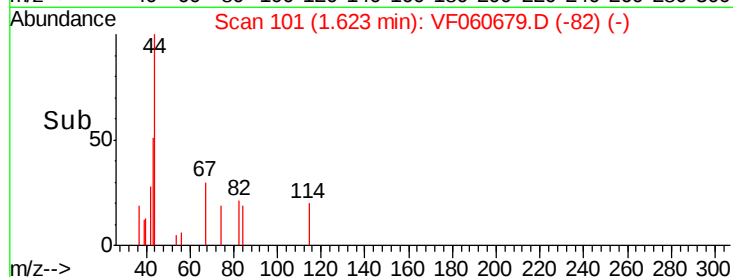
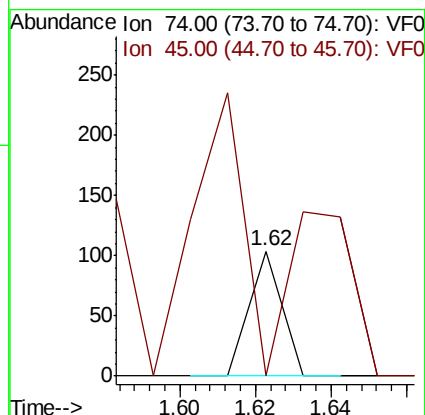
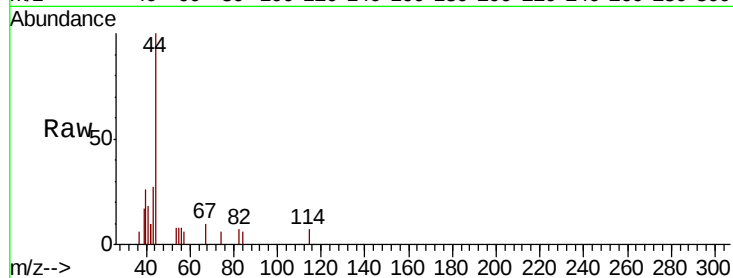
SB-13-DRE

Tgt Ion: 74 Resp: 62

Ion Ratio Lower Upper

74 100

45 0.0 63.8 191.5#



#10

Methyl Iodide

Concen: 3.217 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.02 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

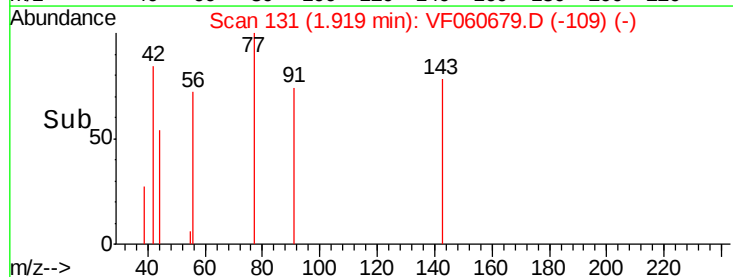
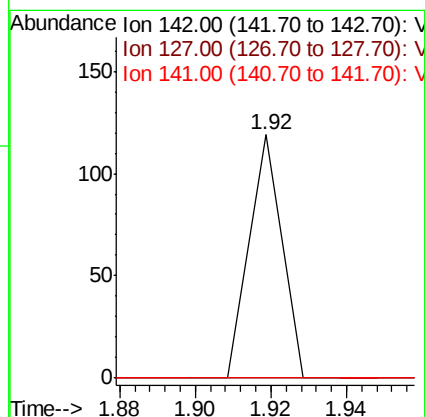
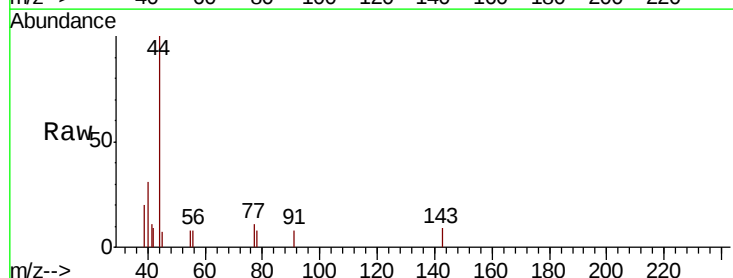
Tgt Ion: 142 Resp: 70

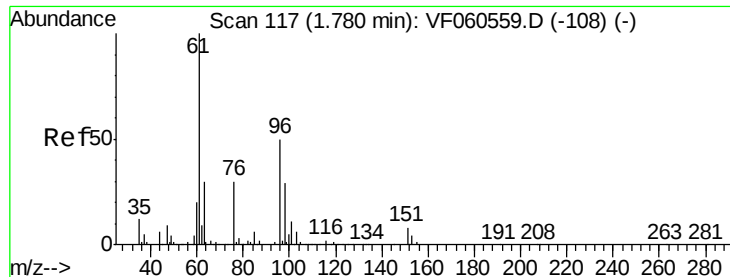
Ion Ratio Lower Upper

142 100

127 0.0 47.8 71.6#

141 0.0 12.7 19.1#





#12

1,1-Dichloroethene

Concen: 5.657 ug/l

RT: 1.79 min Scan# 118

Delta R.T. 0.01 min

Lab File: VF060679.D

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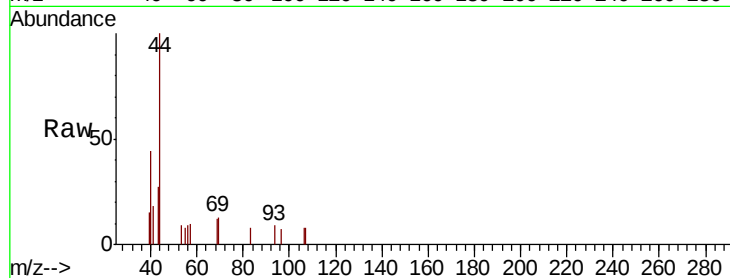
Tgt Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 158.1 237.1#

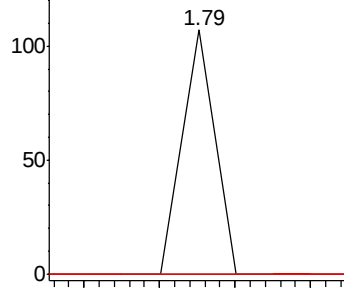
98 0.0 47.0 70.6#



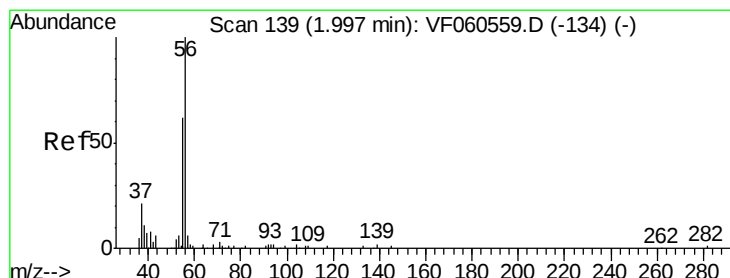
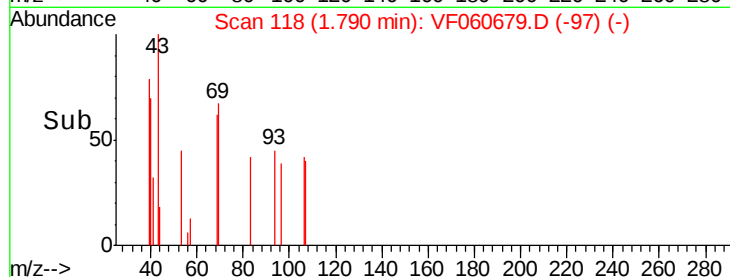
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#13

Acrolein

Concen: 618.561 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.14 min

Lab File: VF060679.D

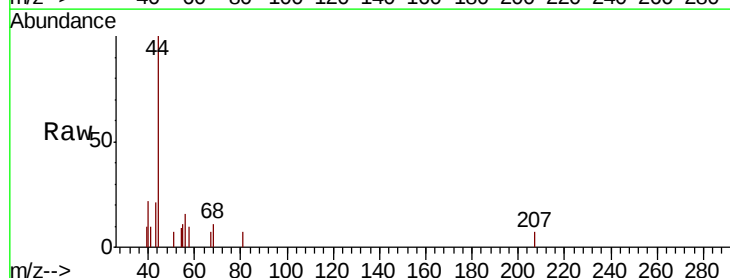
Acq: 9 Nov 2018 18:38

Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

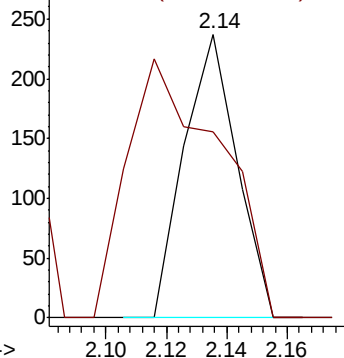
56 100

55 65.8 61.8 92.6

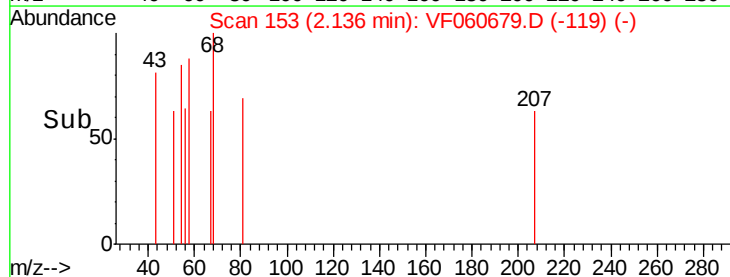


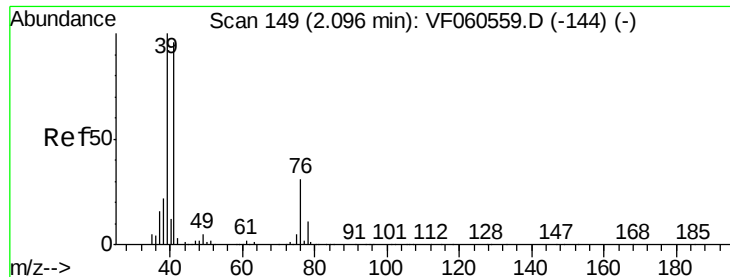
Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->





#14

Allyl chloride

Concen: 28.101 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.02 min

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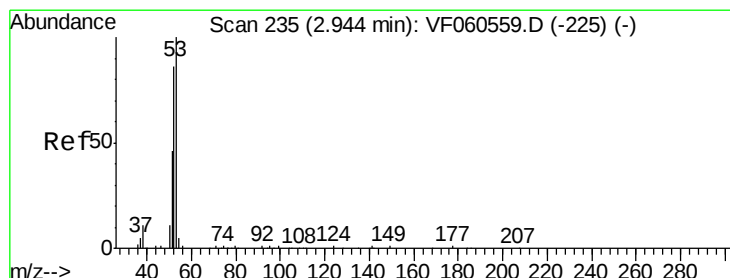
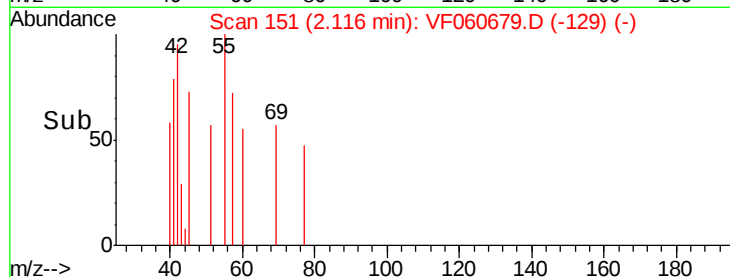
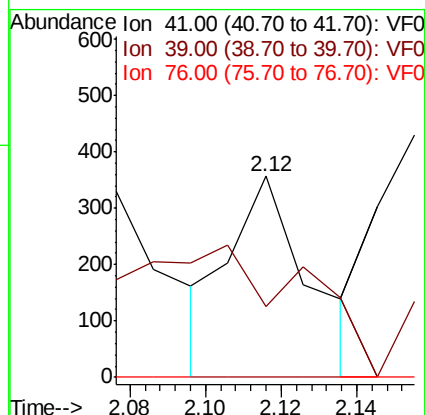
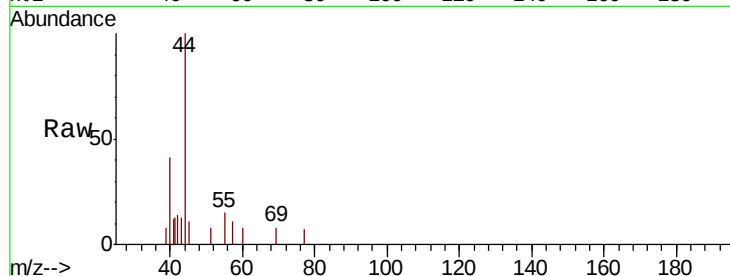
Tgt Ion: 41 Resp: 511

Ion Ratio Lower Upper

41 100

39 35.0 82.6 124.0#

76 0.0 26.7 40.1#



#15

Acrylonitrile

Concen: 37.921 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

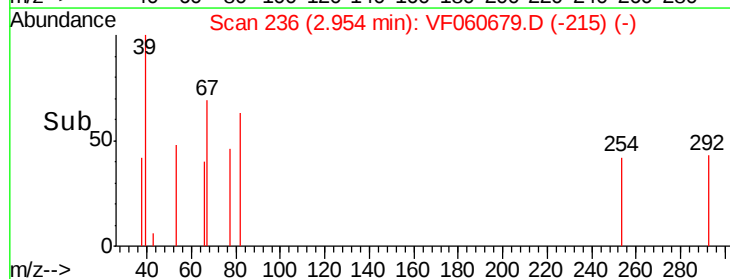
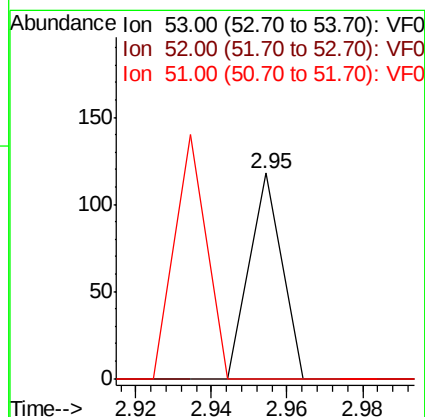
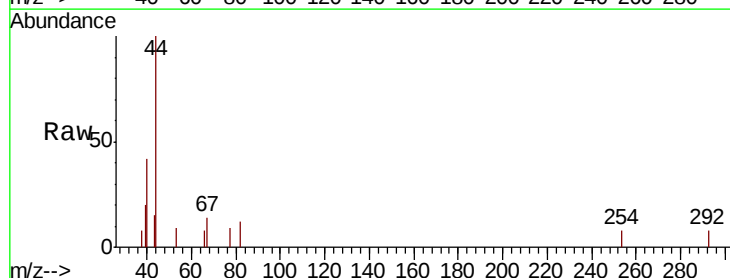
Tgt Ion: 53 Resp: 70

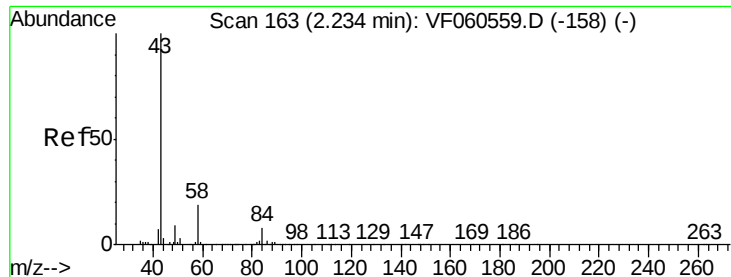
Ion Ratio Lower Upper

53 100

52 0.0 68.5 102.7#

51 0.0 38.2 57.2#





#16

Acetone

Concen: 207.682 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

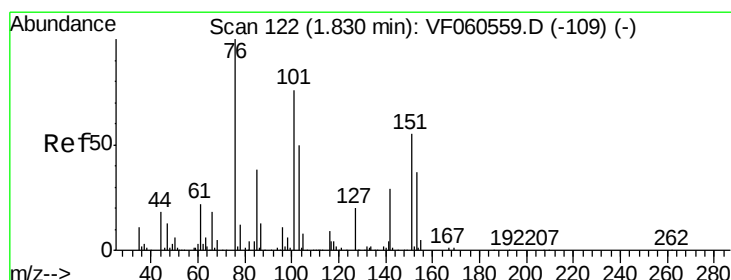
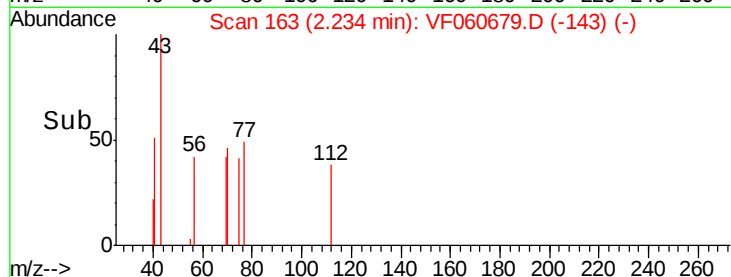
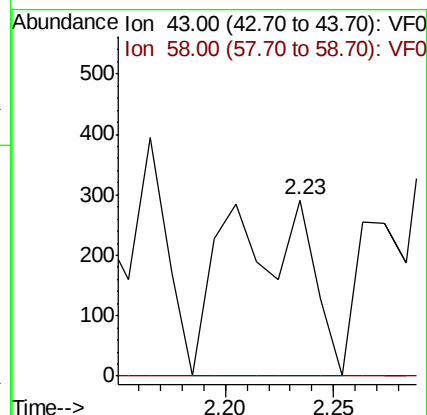
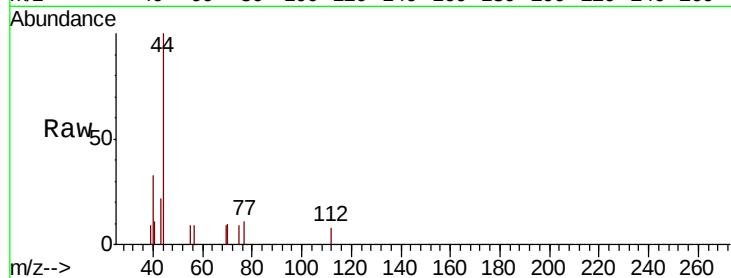
SB-13-DRE

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

58 0.0 14.6 22.0#



#17

Carbon Disulfide

Concen: 1.881 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060679.D

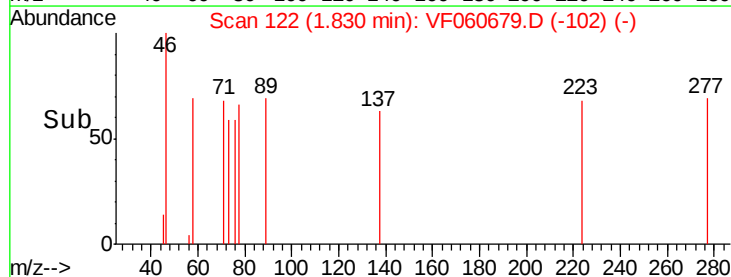
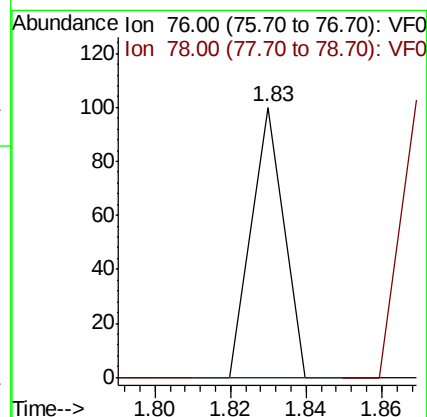
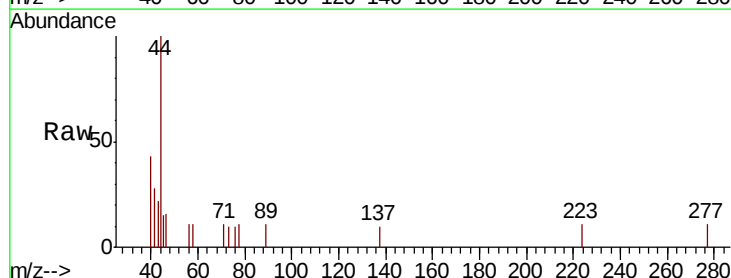
Acq: 9 Nov 2018 18:38

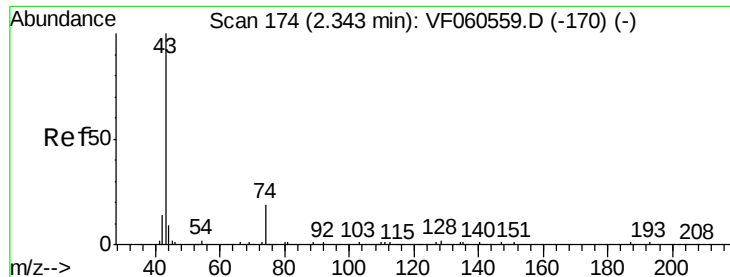
Tgt Ion: 76 Resp: 59

Ion Ratio Lower Upper

76 100

78 0.0 9.9 14.9#

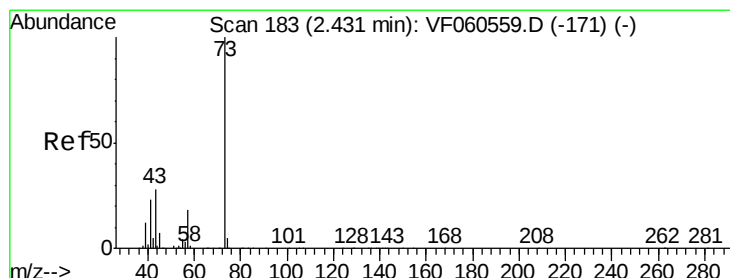
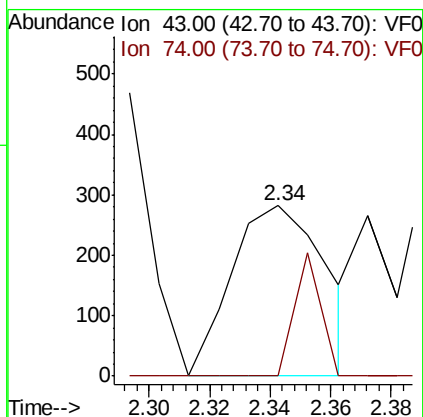
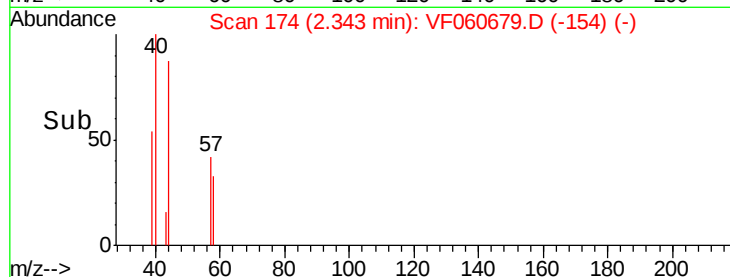
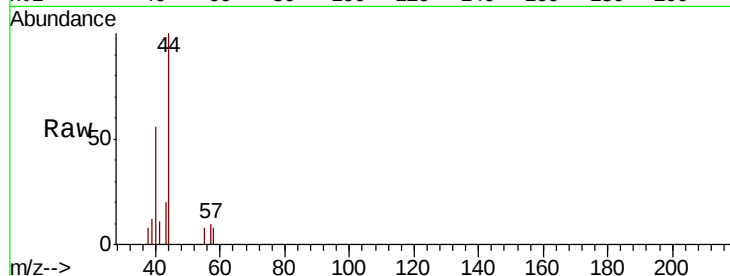




#18
Methyl Acetate
Concen: 107.044 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

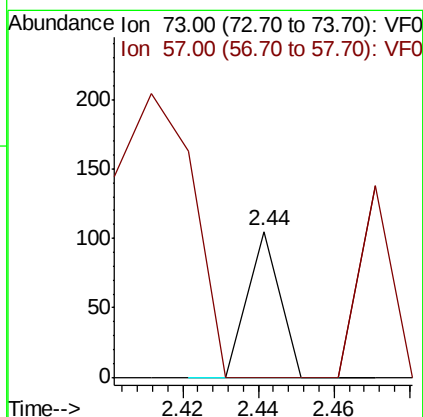
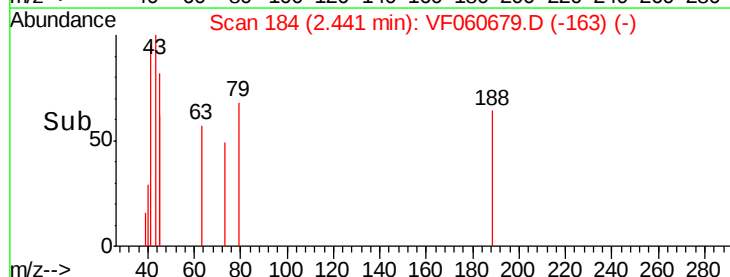
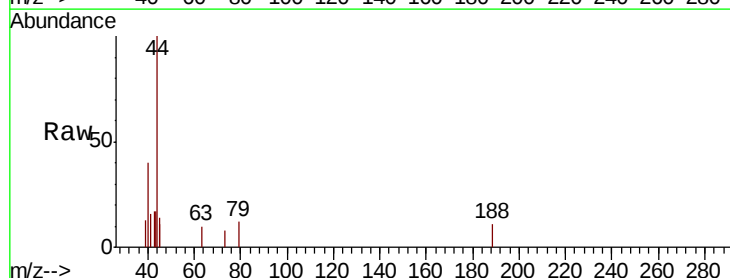
Instrument :
MSVOA_F
ClientSampled :
SB-13-DRE

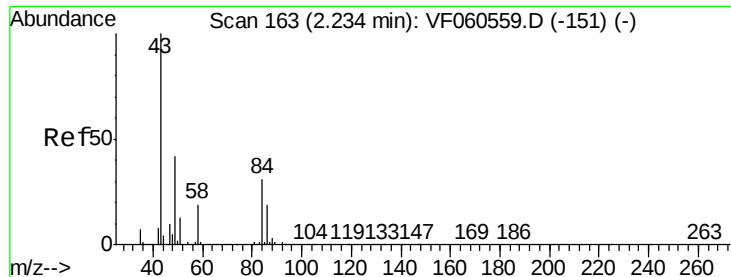
Tgt Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#19
Methyl tert-butyl Ether
Concen: 2.382 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Tgt Ion: 73 Resp: 62
Ion Ratio Lower Upper
73 100
57 0.0 15.4 23.0#

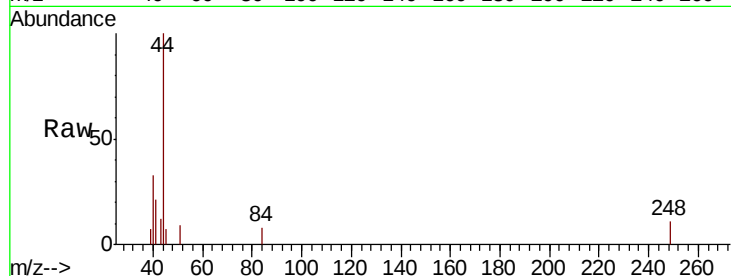




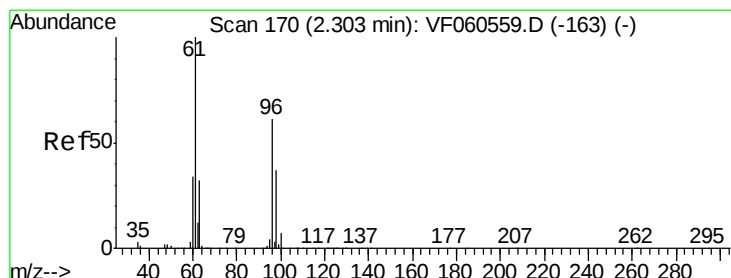
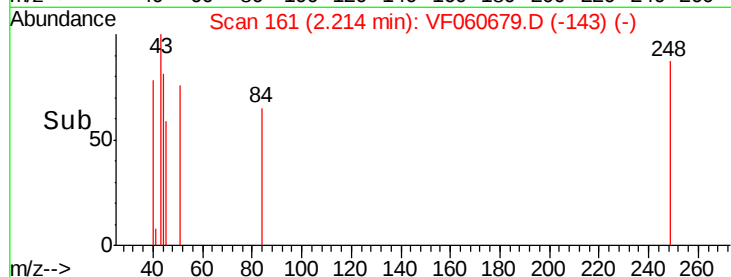
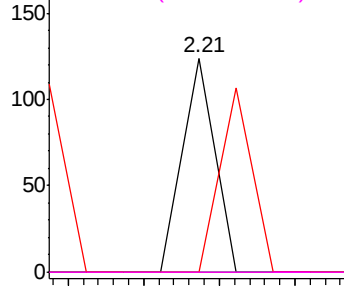
#20
Methylene Chloride
Concen: 1.438 ug/l
RT: 2.21 min Scan# 161
Delta R.T. -0.02 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :
SB-13-DRE

Tgt Ion: 84 Resp: 73
Ion Ratio Lower Upper
84 100
49 0.0 109.9 164.9#
51 0.0 35.8 53.8#
86 0.0 48.3 72.5#

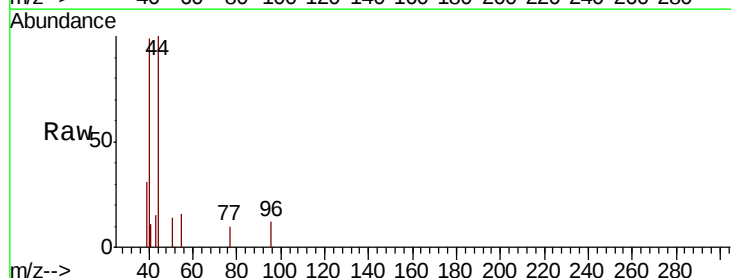


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

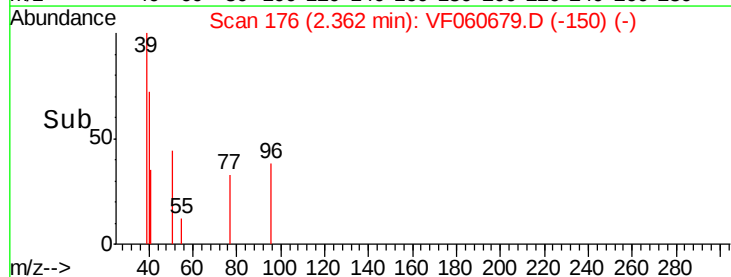
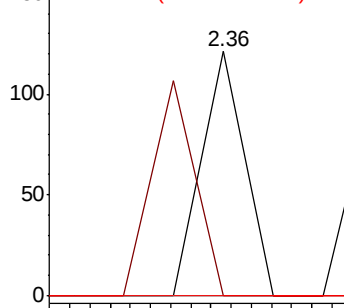


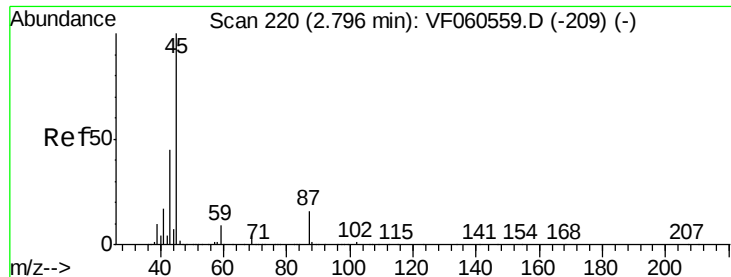
#21
trans-1,2-Dichloroethene
Concen: 6.162 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.06 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Tgt Ion: 96 Resp: 72
Ion Ratio Lower Upper
96 100
61 0.0 131.3 196.9#
98 0.0 48.6 73.0#



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: 5.632 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

Tgt Ion: 45 Resp: 217

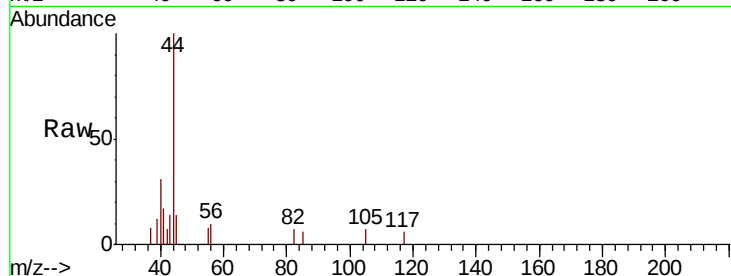
Ion Ratio Lower Upper

45 100

43 103.6 38.1 57.1#

87 0.0 12.7 19.1#

59 0.0 7.0 10.4#



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

600

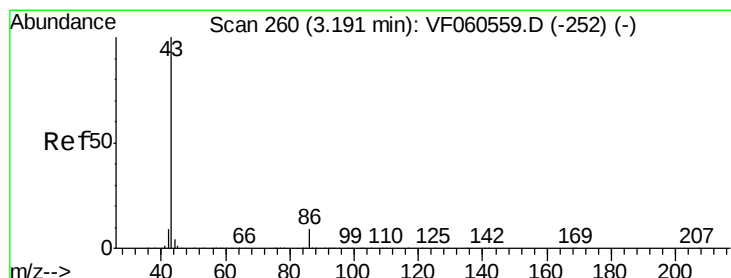
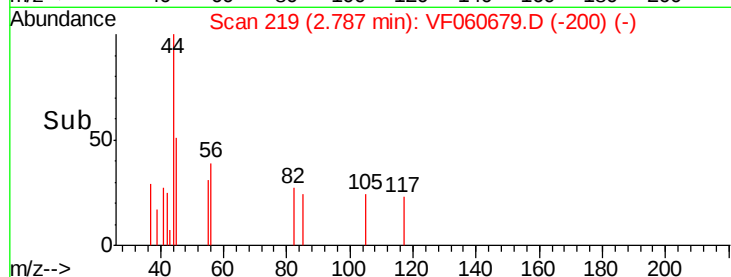
400

200

0

2.76 2.78 2.80 2.82

Time-->



#23

Vinyl Acetate

Concen: 34.429 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF060679.D

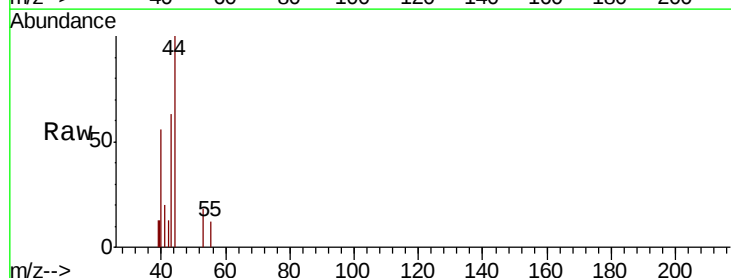
Acq: 9 Nov 2018 18:38

Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

600

500

400

300

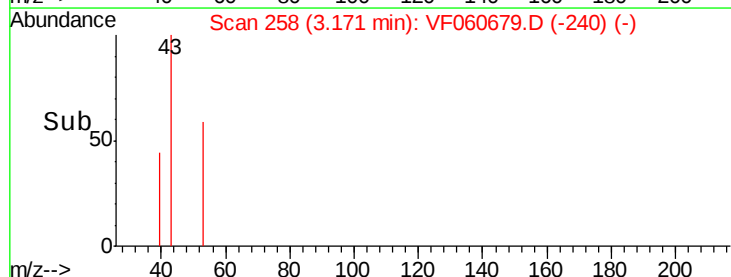
200

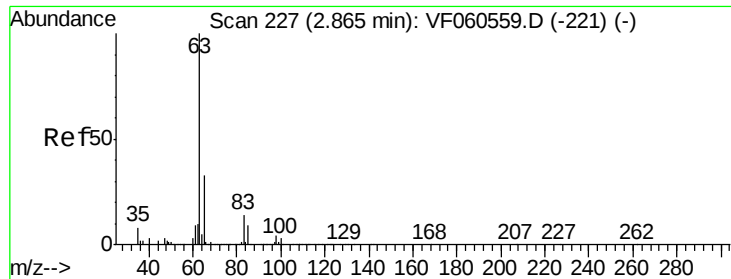
100

0

3.15 3.20

Time-->





#24

1,1-Dichloroethane

Concen: 2.691 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

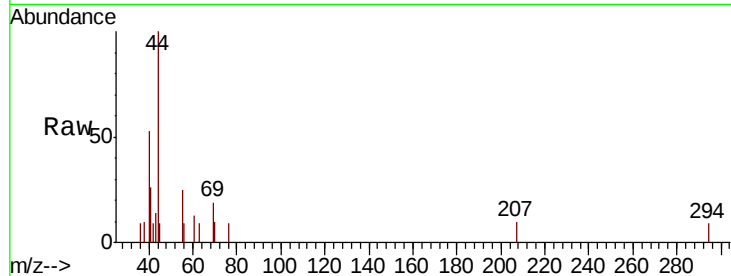
Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

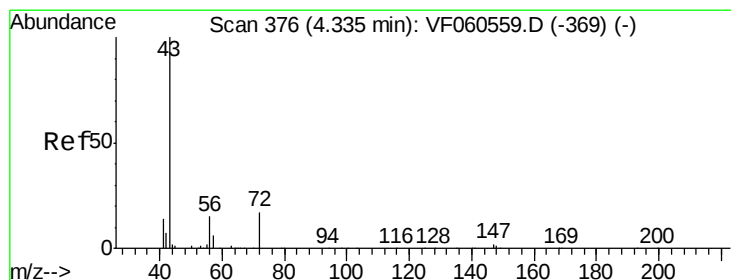
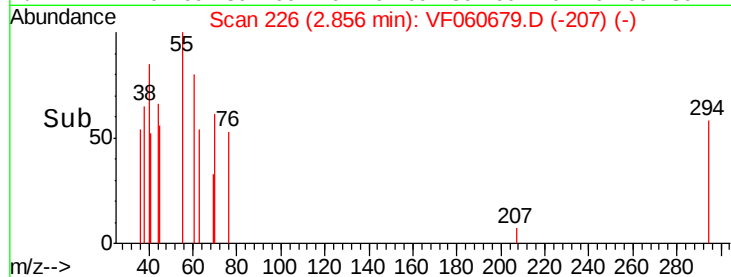
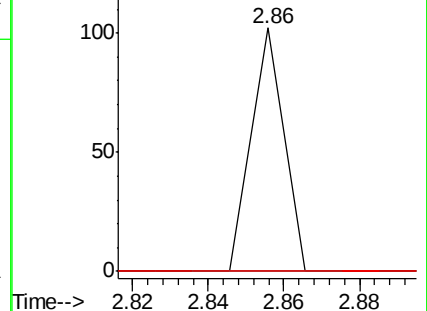
100 0.0 1.4 4.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: Below Cal

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF060679.D

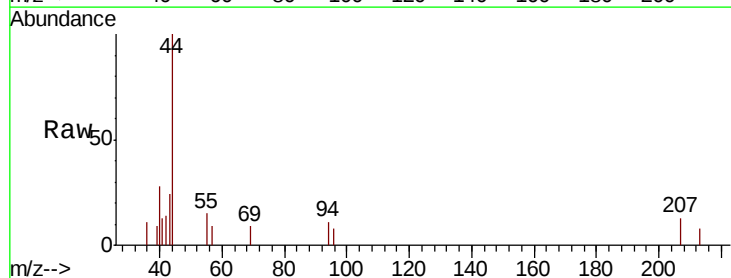
Acq: 9 Nov 2018 18:38

Tgt Ion: 43 Resp: 160

Ion Ratio Lower Upper

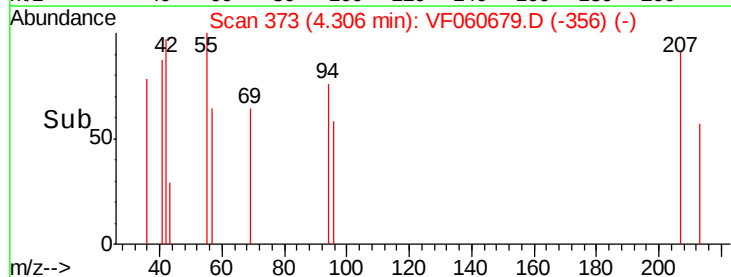
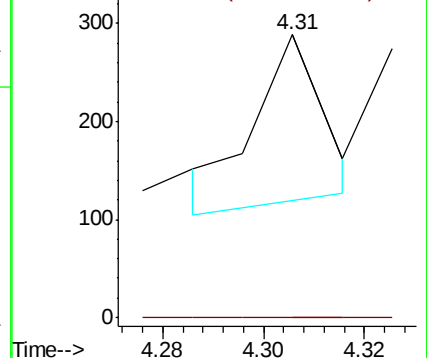
43 100

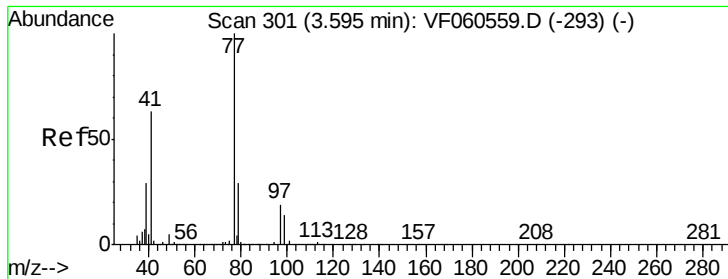
72 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 4.375 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

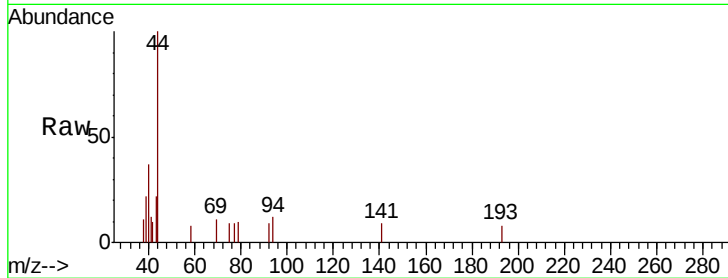
SB-13-DRE

Tgt Ion: 77 Resp: 73

Ion Ratio Lower Upper

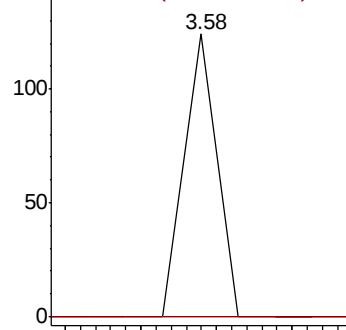
77 100

97 0.0 9.8 29.3#

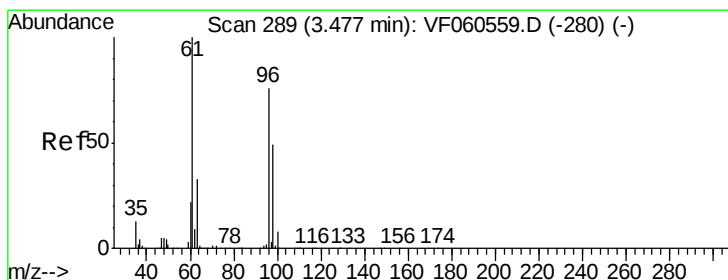
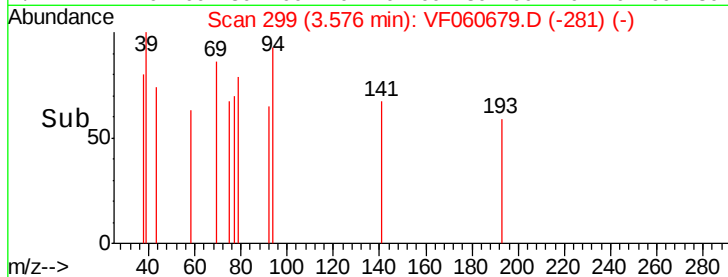


Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 4.752 ug/l

RT: 3.53 min Scan# 294

Delta R.T. 0.05 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

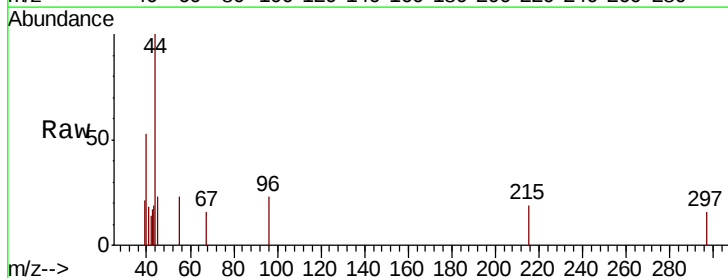
Tgt Ion: 96 Resp: 106

Ion Ratio Lower Upper

96 100

61 0.0 0.0 263.0

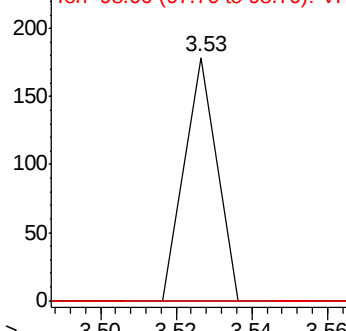
98 0.0 0.0 130.6



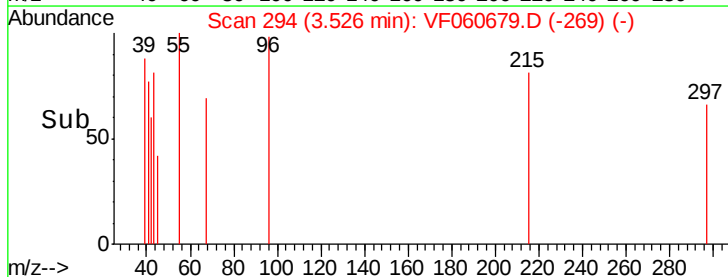
Abundance Ion 96.00 (95.70 to 96.70): VF0

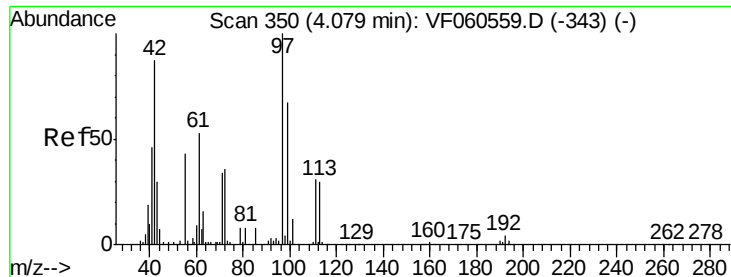
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->





#29

Tetrahydrofuran

Concen: 141.855 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

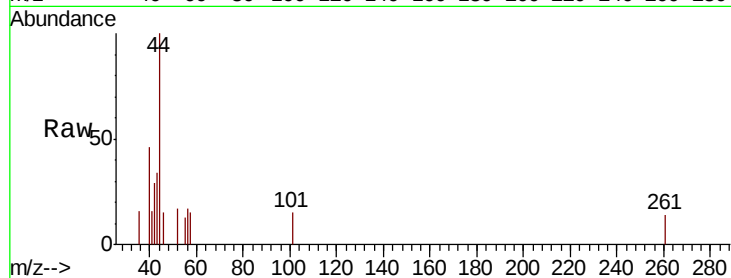
Tgt Ion: 42 Resp: 396

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

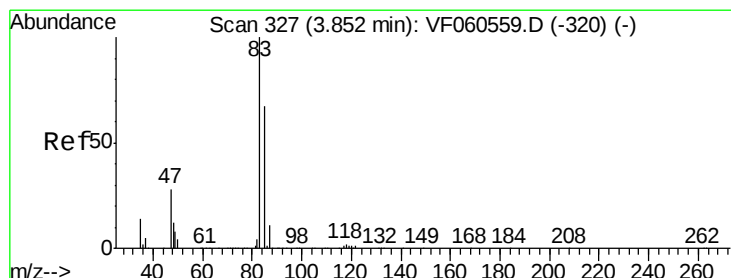
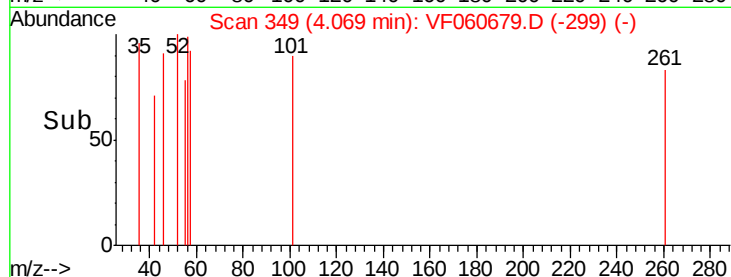
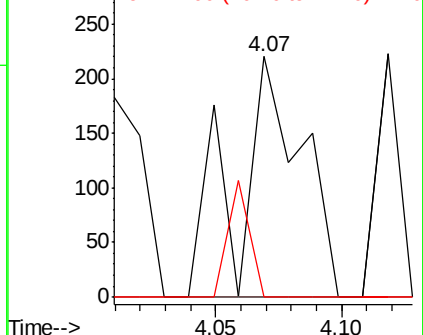
71 15.9 31.8 47.6#



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



#30

Chloroform

Concen: 1.843 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.14 min

Lab File: VF060679.D

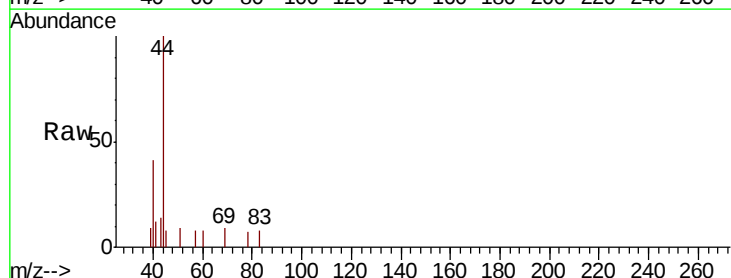
Acq: 9 Nov 2018 18:38

Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

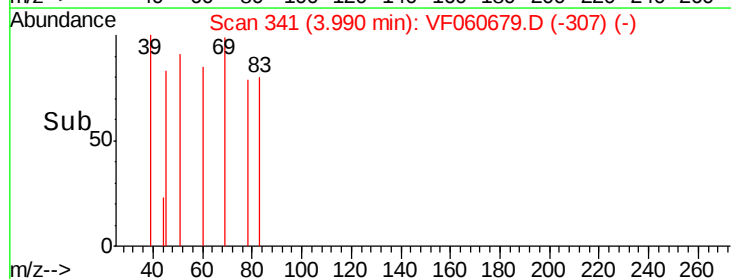
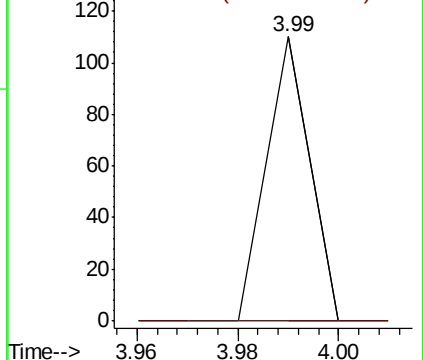
83 100

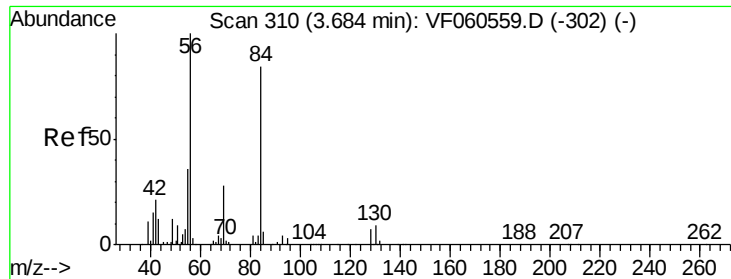
85 0.0 53.7 80.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

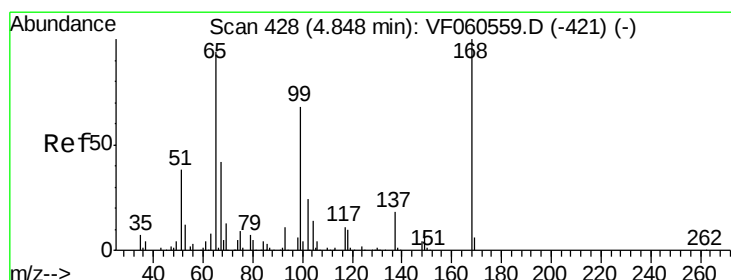
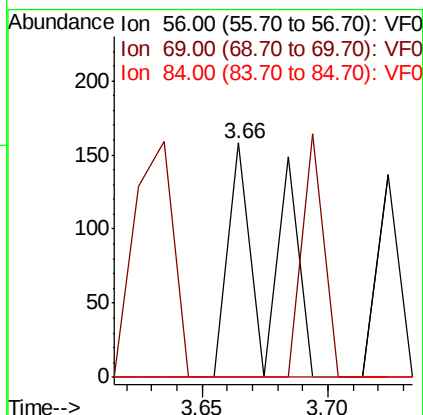
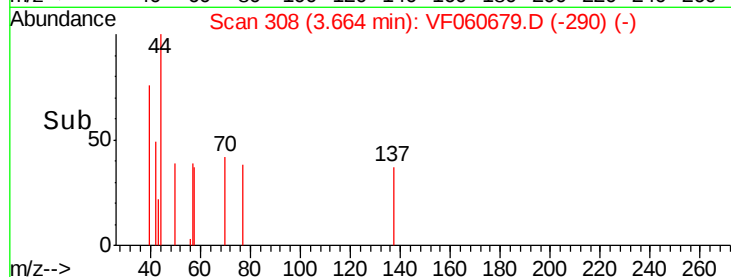
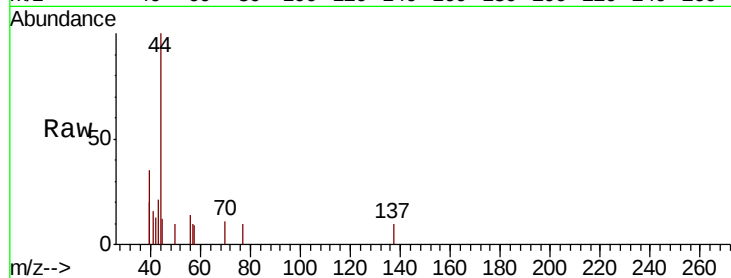




#31
Cyclohexane
Concen: 5.915 ug/l
RT: 3.66 min Scan# 308
Delta R.T. -0.02 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

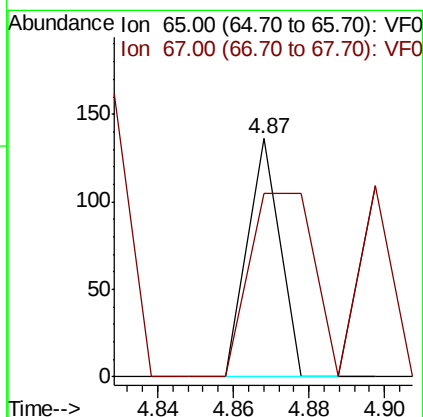
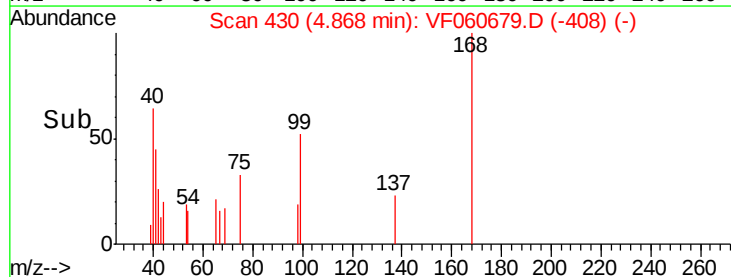
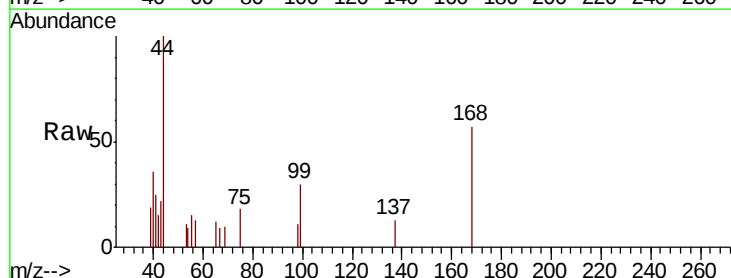
Instrument :
MSVOA_F
ClientSampleId :
SB-13-DRE

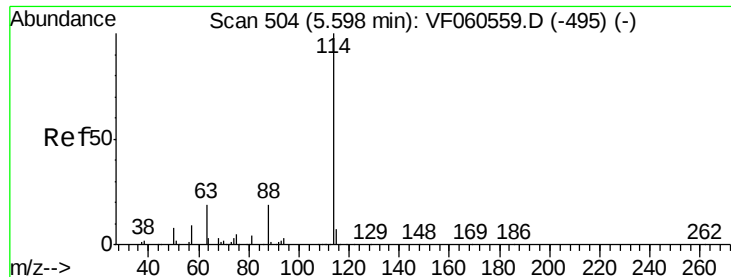
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 67.1 100.7#



#33
1,2-Dichloroethane-d4
Concen: 5.165 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.02 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Tgt Ion: 65 Resp: 80
Ion Ratio Lower Upper
65 100
67 77.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.03 min Scan# 548

Delta R.T. 0.43 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

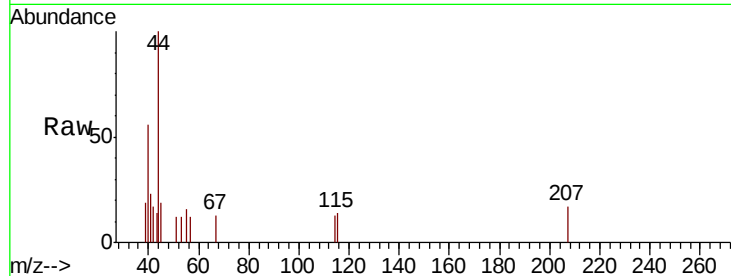
Tgt Ion:114 Resp: 75

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

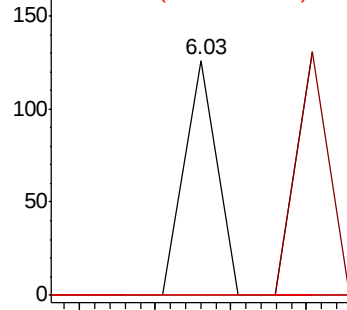
88 0.0 0.0 38.2



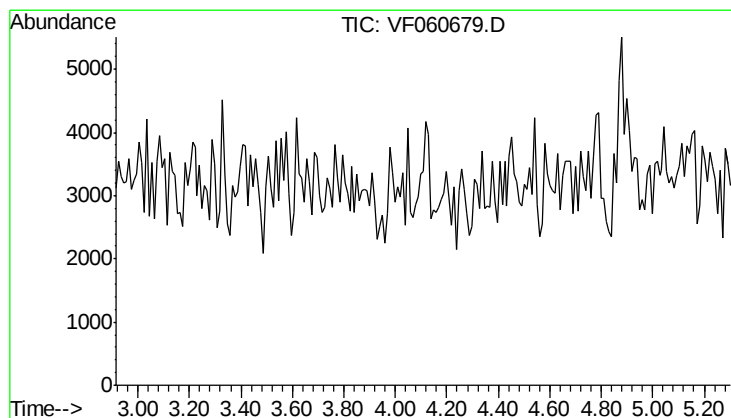
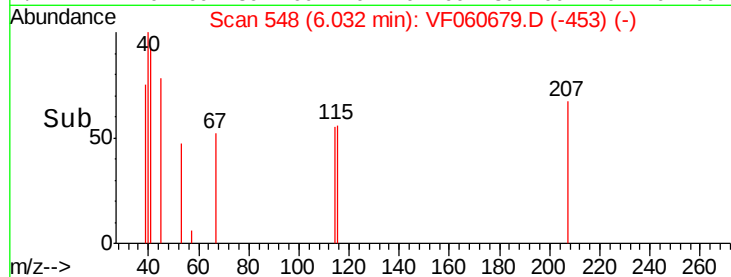
Abundance Ion 114.00 (113.70 to 114.70): VF0

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



Time-->



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.11 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

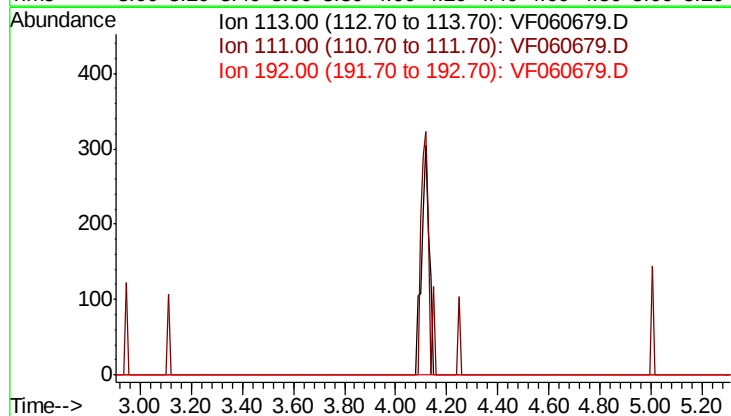
Tgt Ion: 113

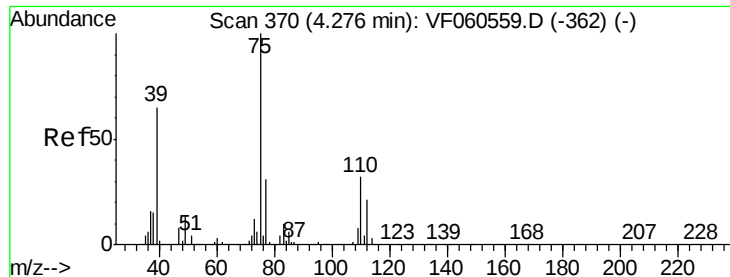
Sig Exp Ratio

113 100

111 99.9

192 16.6





#36

1,1-Dichloropropene

Concen: 89.610 ug/l

RT: 4.70 min Scan# 413

Delta R.T. 0.42 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

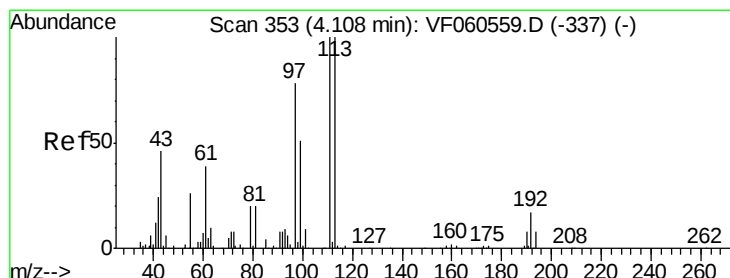
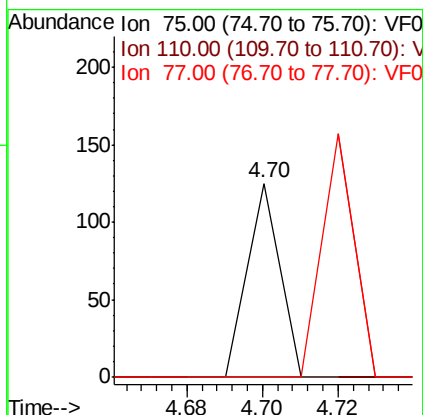
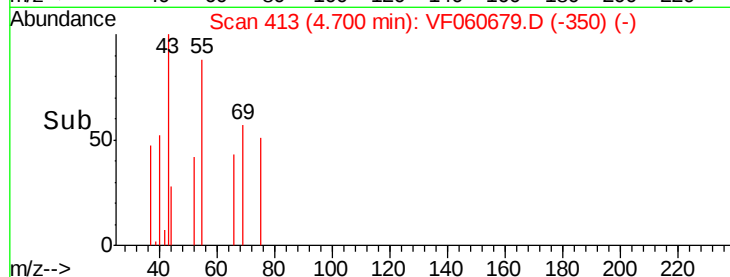
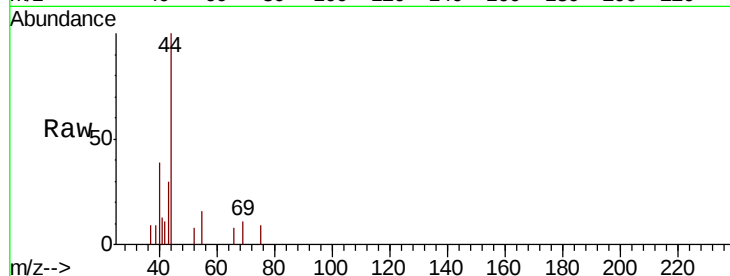
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

110 0.0 16.2 48.6#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 1021.658 ug/l

RT: 4.38 min Scan# 381

Delta R.T. 0.28 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

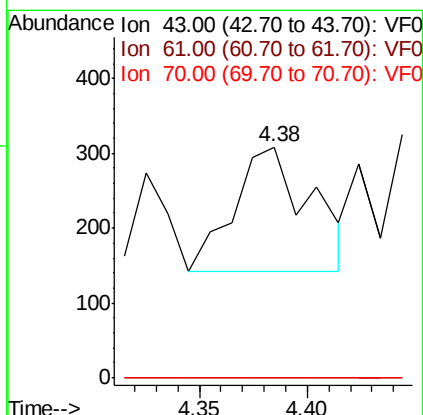
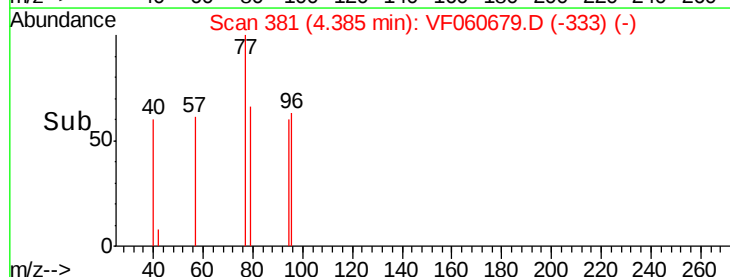
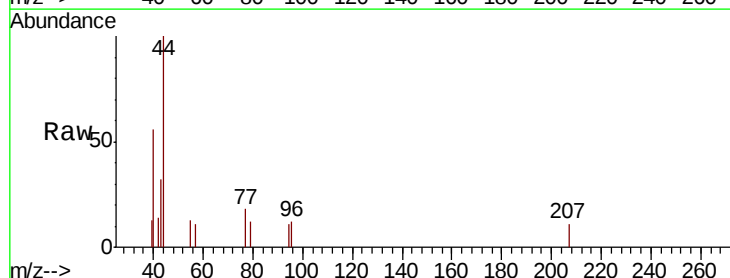
Tgt Ion: 43 Resp: 405

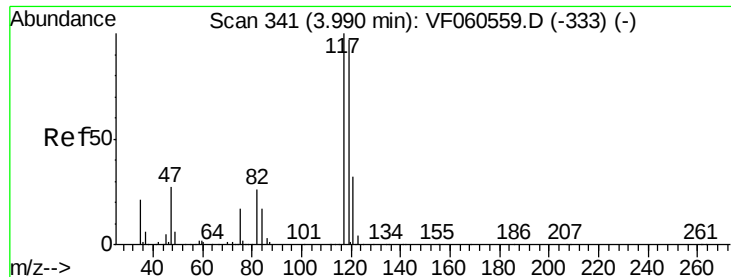
Ion Ratio Lower Upper

43 100

61 0.0 63.4 95.2#

70 0.0 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 97.783 ug/l

RT: 4.40 min Scan# 383

Delta R.T. 0.41 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

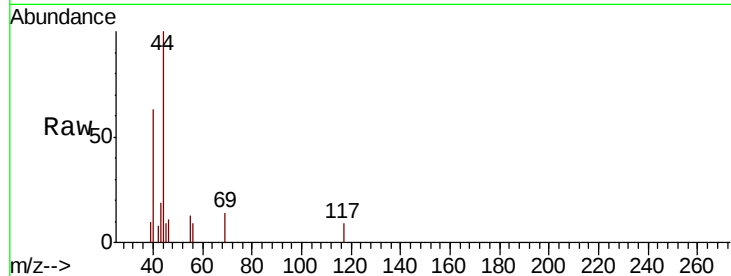
Tgt Ion: 117 Resp: 69

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.6#

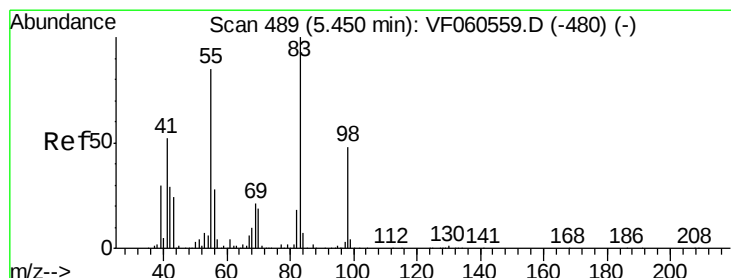
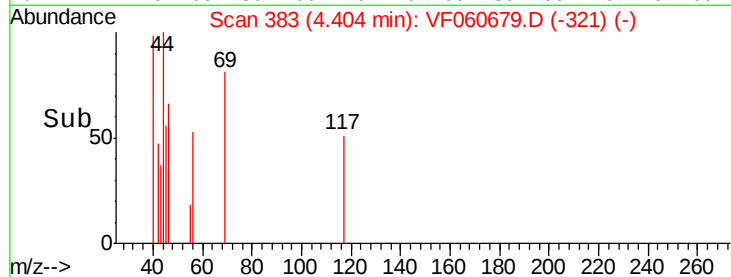
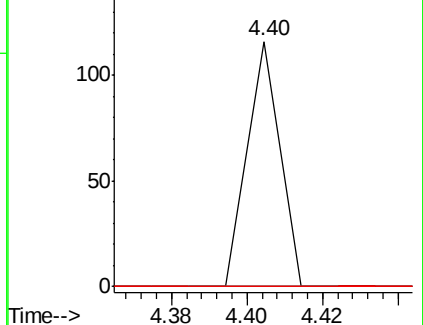
121 0.0 25.6 38.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 79.384 ug/l

RT: 5.91 min Scan# 536

Delta R.T. 0.46 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

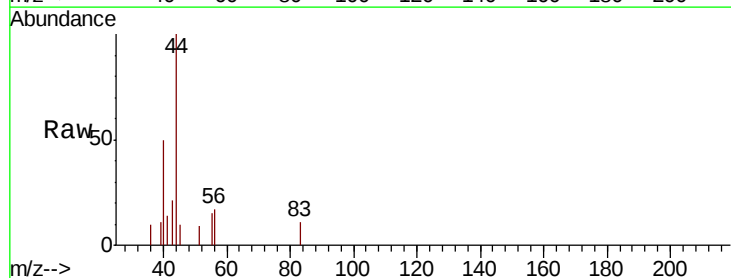
Tgt Ion: 83 Resp: 80

Ion Ratio Lower Upper

83 100

55 130.1 69.1 103.7#

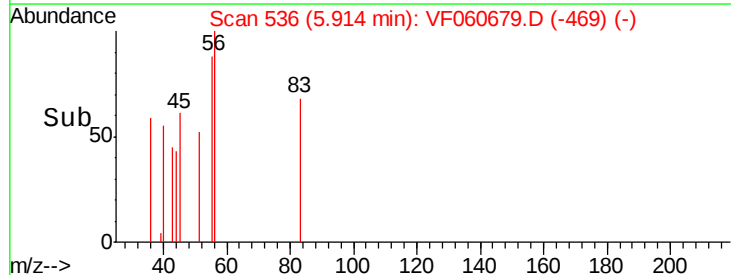
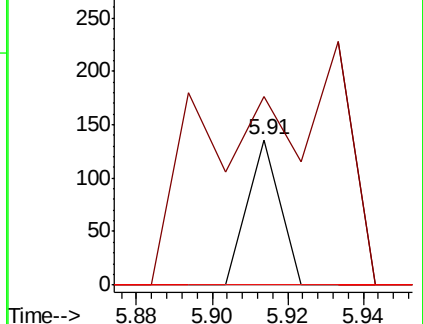
98 0.0 38.6 57.8#

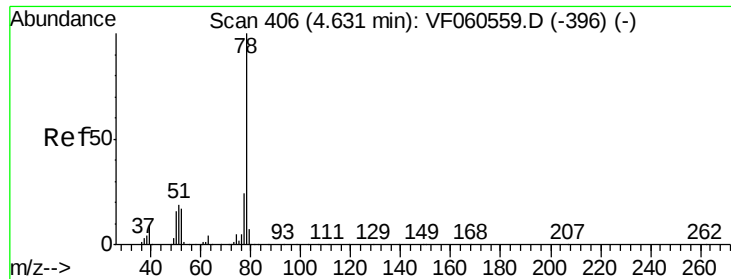


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 34.422 ug/l

RT: 4.96 min Scan# 439

Delta R.T. 0.33 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampled :

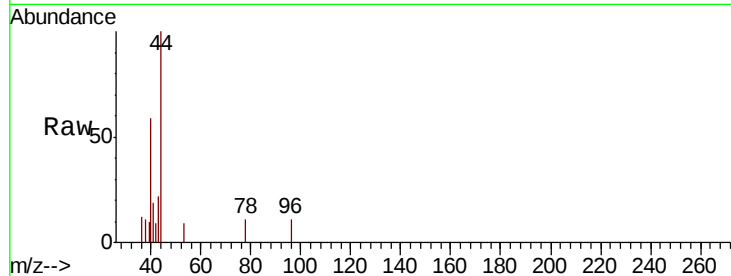
SB-13-DRE

Tgt Ion: 78 Resp: 69

Ion Ratio Lower Upper

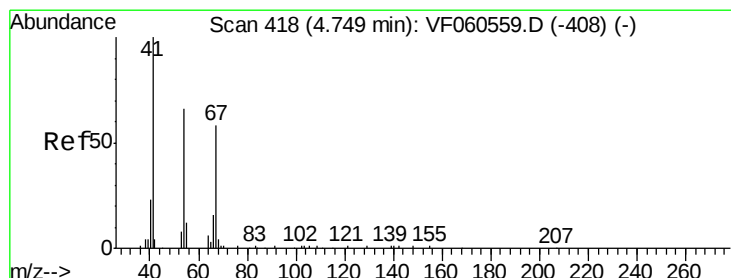
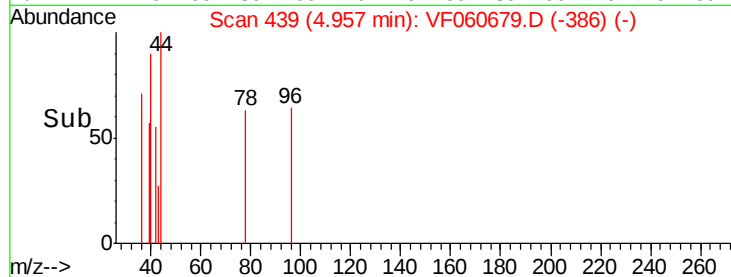
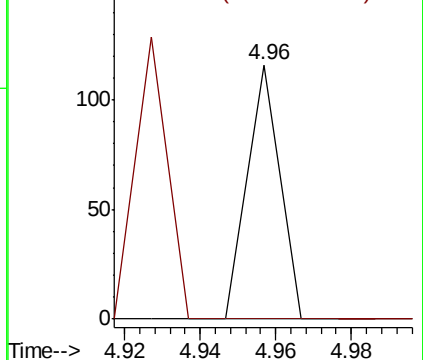
78 100

77 0.0 19.3 28.9#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 4993.463 ug/l

RT: 5.14 min Scan# 458

Delta R.T. 0.39 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Tgt Ion: 41 Resp: 1121

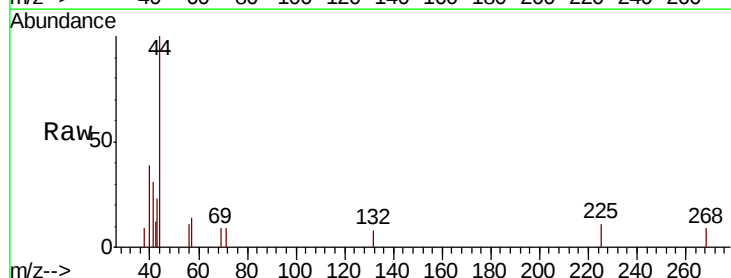
Ion Ratio Lower Upper

41 100

39 0.0 45.6 68.4#

67 0.0 45.3 67.9#

52 0.0 29.6 44.4#

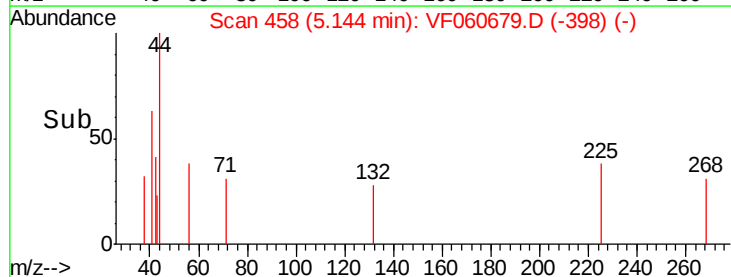
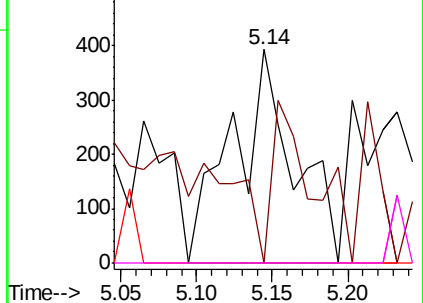


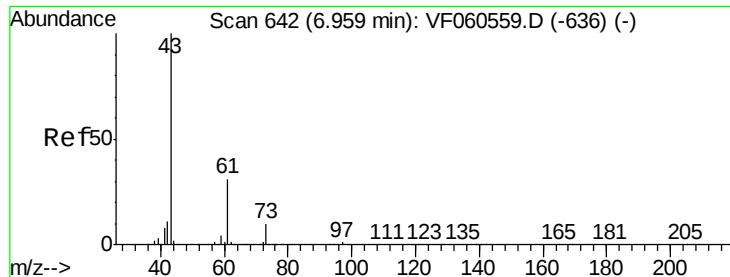
Abundance Ion 41.00 (40.70 to 41.70): VF0

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





#43

Isopropyl Acetate

Concen: 889.452 ug/l

RT: 7.52 min Scan# 699

Delta R.T. 0.56 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

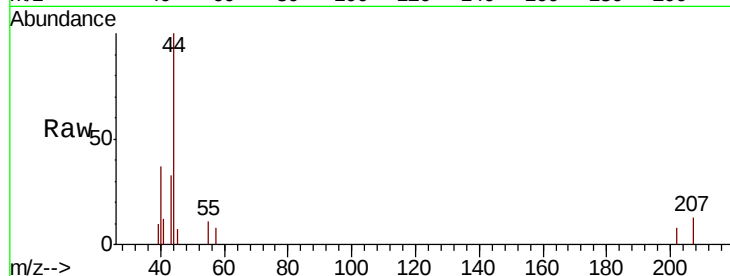
Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.2#

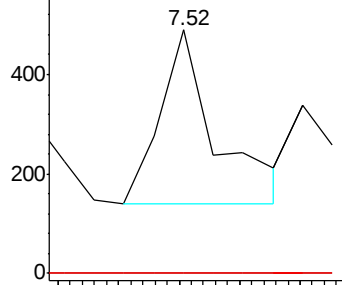
87 0.0 0.2 0.4#



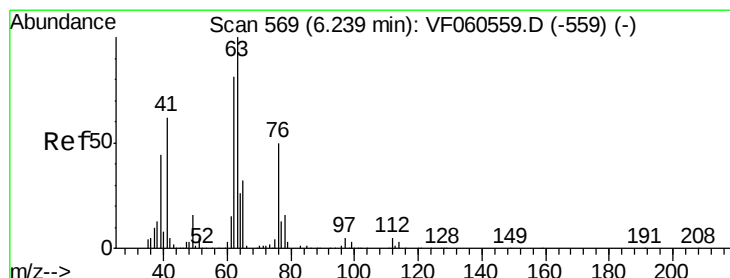
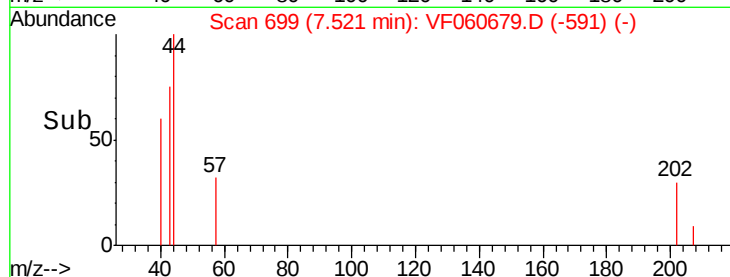
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time--> 7.48 7.50 7.52 7.54 7.56



#45

1,2-Dichloropropane

Concen: 156.048 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.61 min

Lab File: VF060679.D

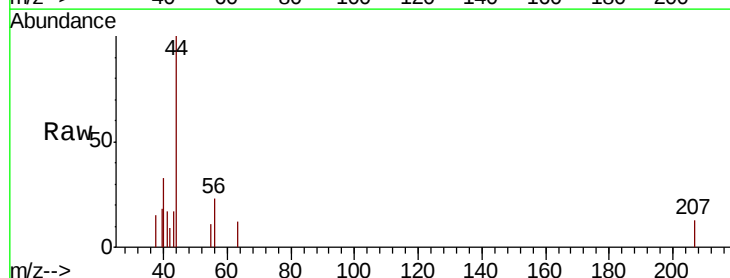
Acq: 9 Nov 2018 18:38

Tgt Ion: 63 Resp: 80

Ion Ratio Lower Upper

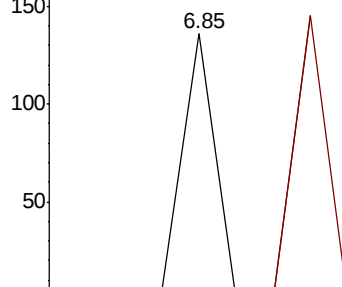
63 100

65 0.0 25.4 38.0#

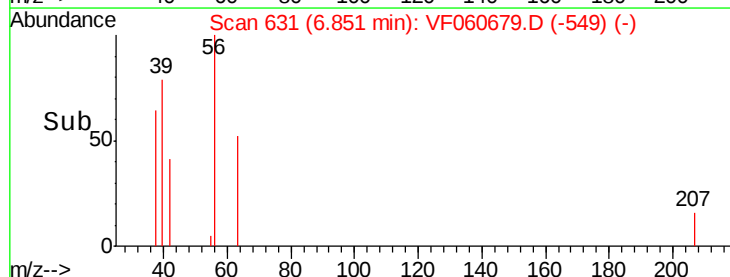


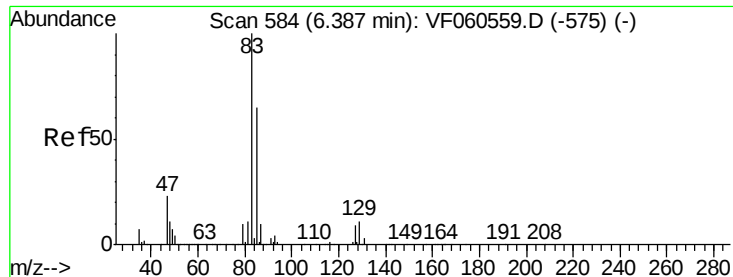
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time--> 6.82 6.84 6.86 6.88





#47

Bromodichloromethane

Concen: 96.880 ug/l

RT: 6.88 min Scan# 634

Delta R.T. 0.49 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

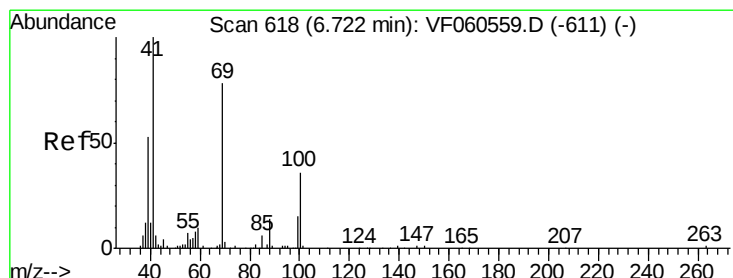
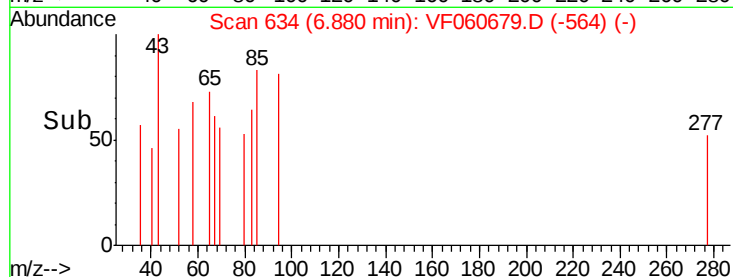
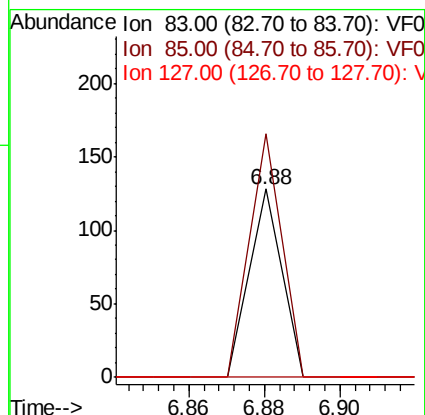
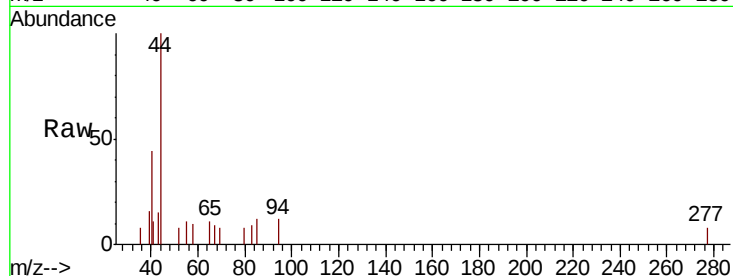
Tgt Ion: 83 Resp: 76

Ion Ratio Lower Upper

83 100

85 129.7 51.8 77.6#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 2551.213 ug/l

RT: 7.25 min Scan# 671

Delta R.T. 0.52 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

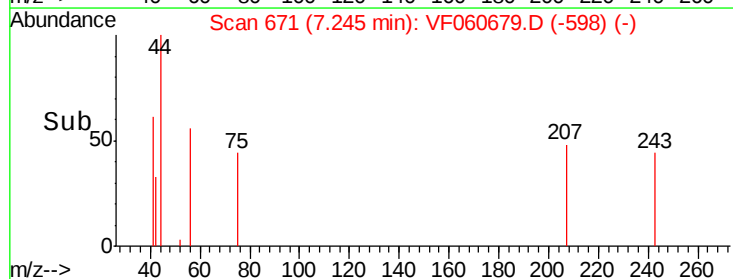
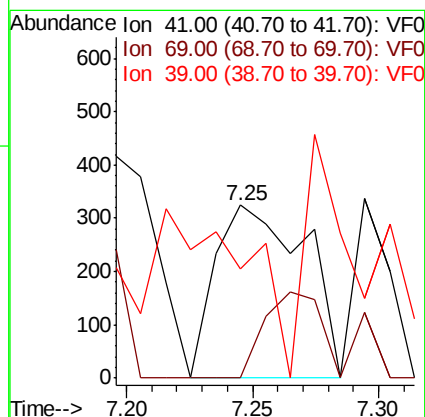
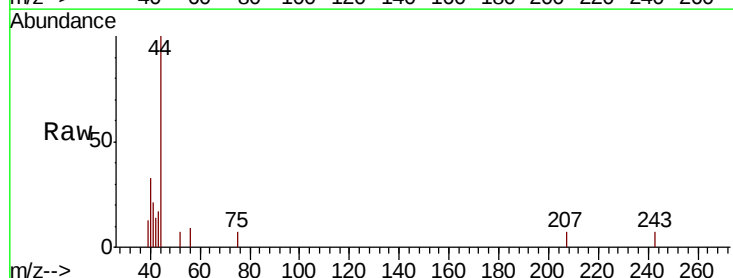
Tgt Ion: 41 Resp: 804

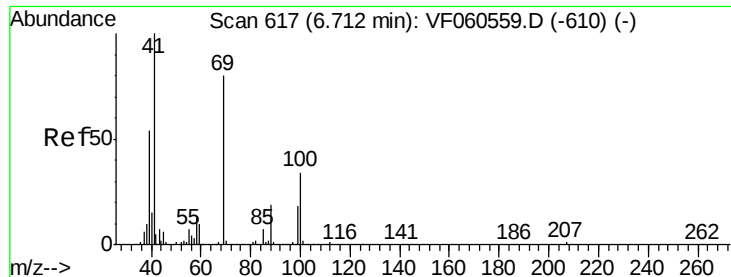
Ion Ratio Lower Upper

41 100

69 0.0 61.1 91.7#

39 63.3 43.0 64.6

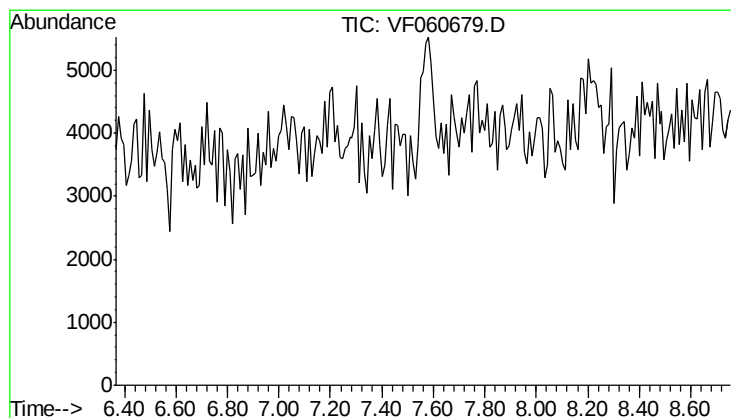
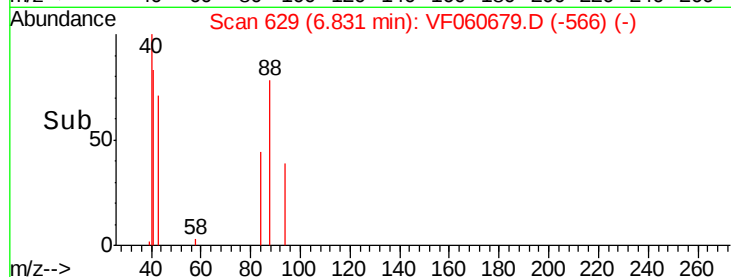
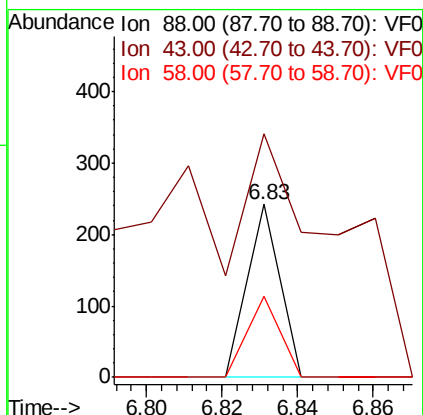
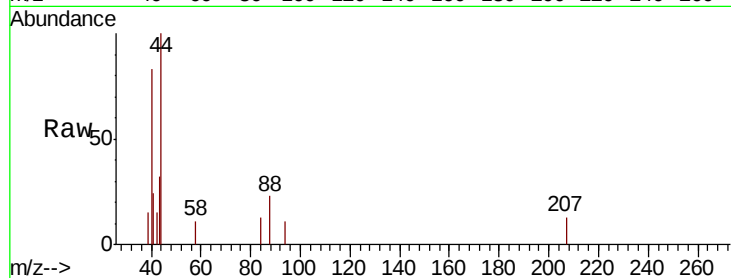




#49
1,4-Dioxane
Concen: 43376.670 ug/l
RT: 6.83 min Scan# 629
Delta R.T. 0.12 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

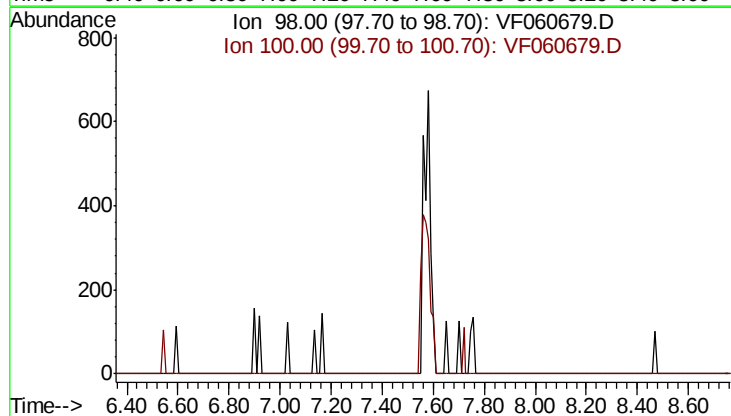
Instrument :
MSVOA_F
ClientSampleId :
SB-13-DRE

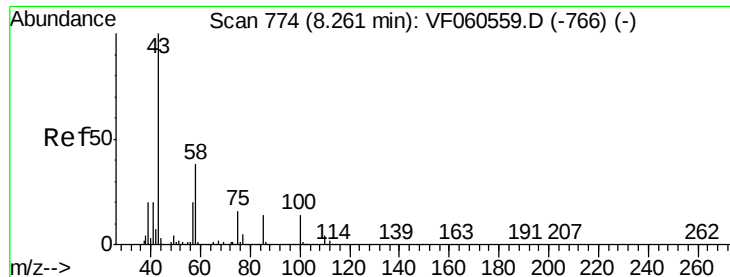
Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 140.9 61.2 91.8#
58 46.7 56.9 85.3#



#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.56 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Tgt Ion: 98
Sig Exp Ratio
98 100
100 74.3





#51

4-Methyl-2-Pentanone

Concen: 2689.830 ug/l

RT: 8.88 min Scan# 837

Delta R.T. 0.62 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

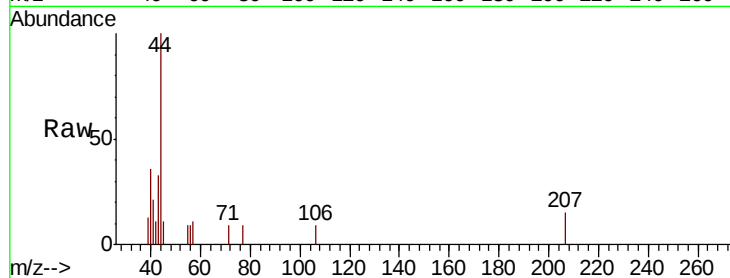
SB-13-DRE

Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 0.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.88

450

400

300

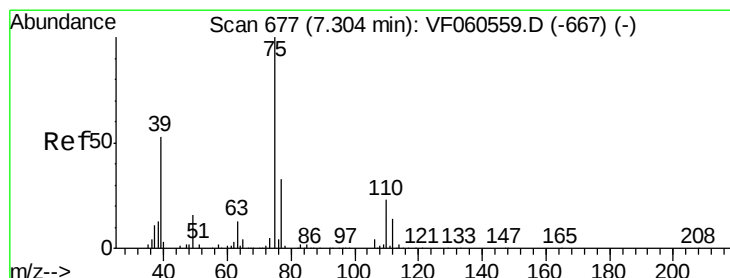
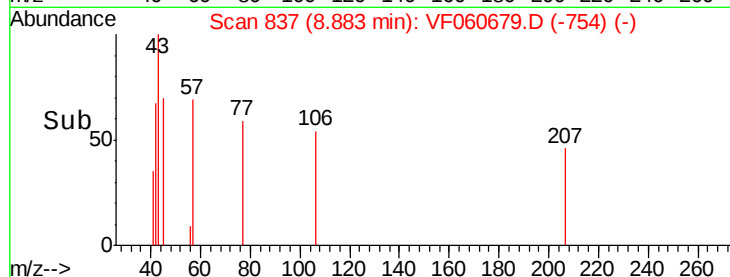
200

100

0

8.86 8.88 8.90 8.92 8.94

Time-->



#54

cis-1,3-Dichloropropene

Concen: 162.517 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.38 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

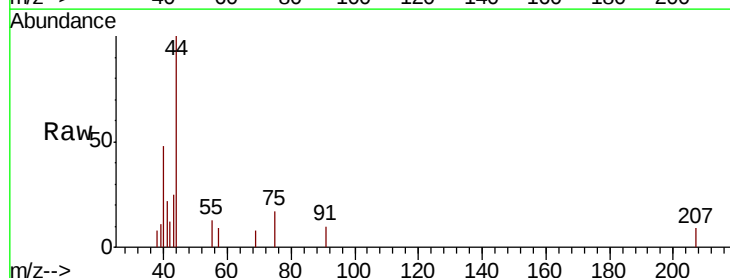
Tgt Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

77 0.0 26.7 40.1#

39 65.7 43.0 64.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

400

300

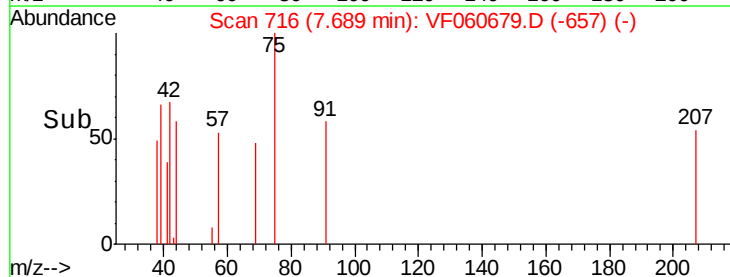
200

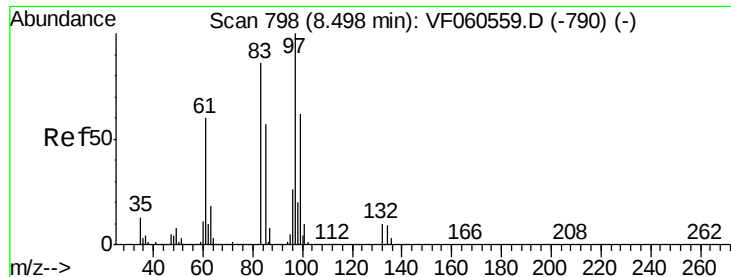
100

0

7.68 7.70

Time-->





#55

1,1,2-Trichloroethane

Concen: 234.228 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.61 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

SB-13-DRE

Tgt Ion: 97 Resp: 89

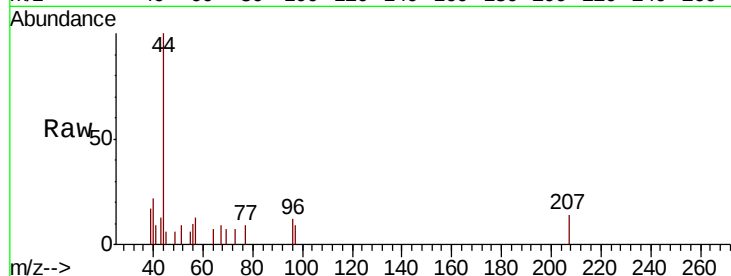
Ion Ratio Lower Upper

97 100

83 0.0 69.4 104.0#

85 0.0 46.6 69.8#

99 0.0 50.0 75.0#

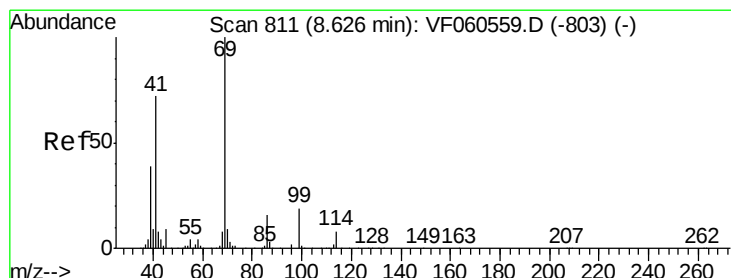
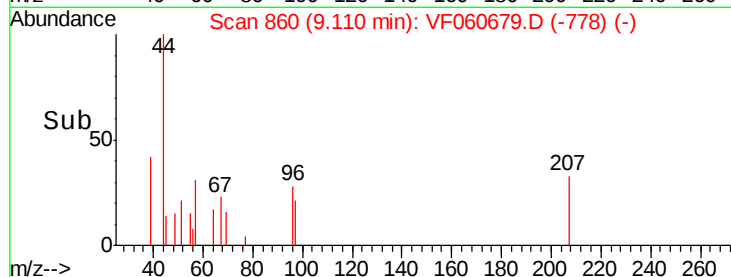
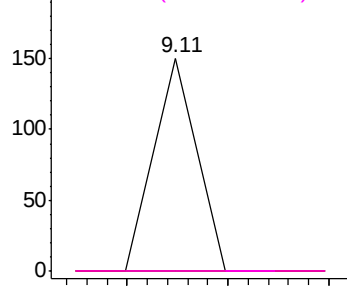


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 227.054 ug/l

RT: 9.26 min Scan# 875

Delta R.T. 0.63 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

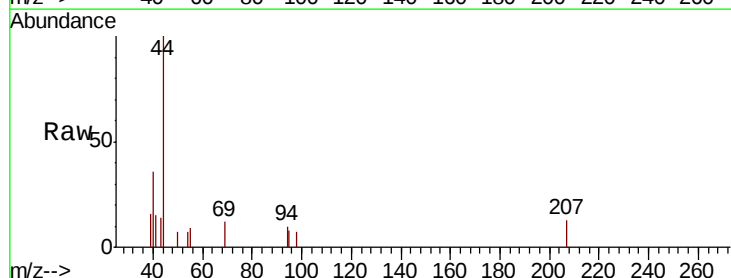
Tgt Ion: 69 Resp: 111

Ion Ratio Lower Upper

69 100

41 130.9 59.2 88.8#

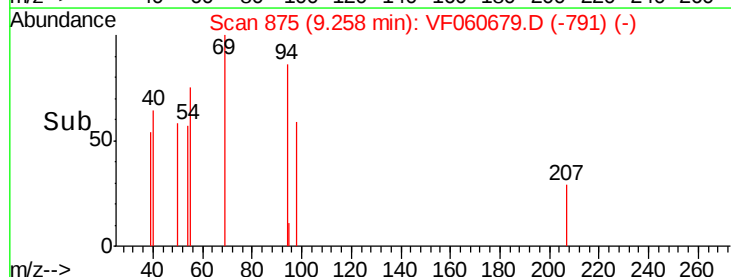
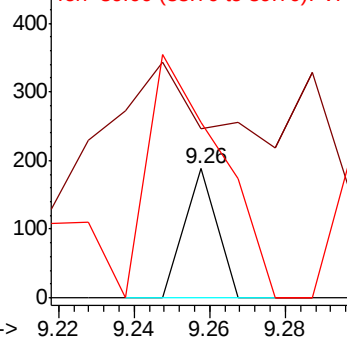
39 135.6 32.3 48.5#

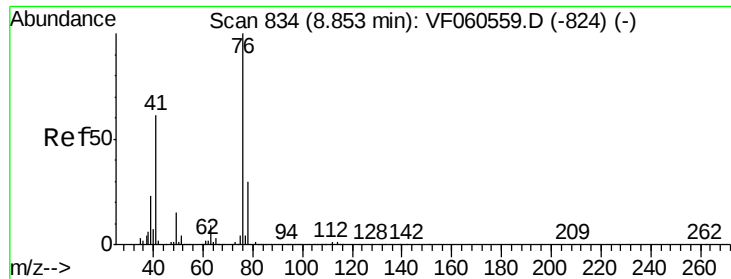


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 94.493 ug/l

RT: 9.53 min Scan# 903

Delta R.T. 0.68 min

Lab File: VF060679.D

Acq: 9 Nov 2018 18:38

Instrument :

MSVOA_F

ClientSampleId :

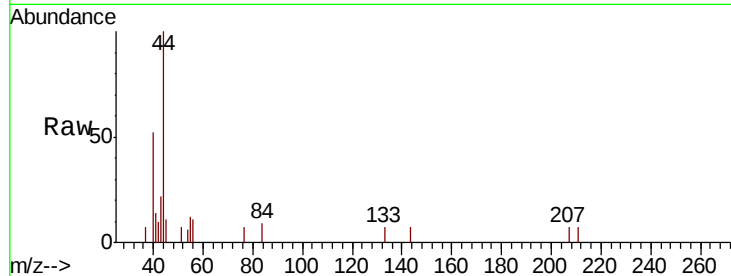
SB-13-DRE

Tgt Ion: 76 Resp: 63

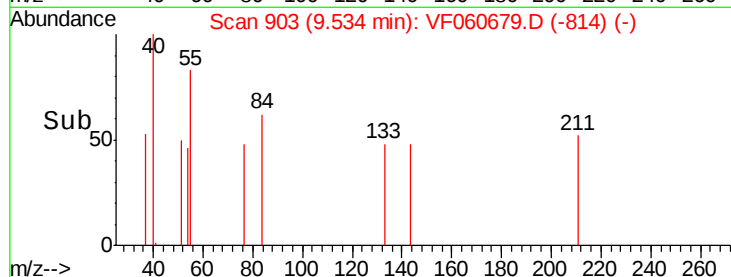
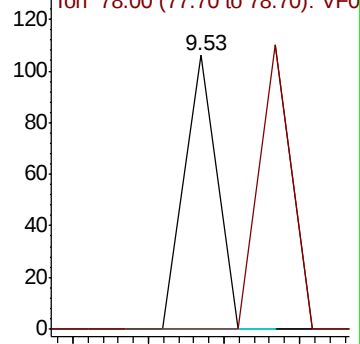
Ion Ratio Lower Upper

76 100

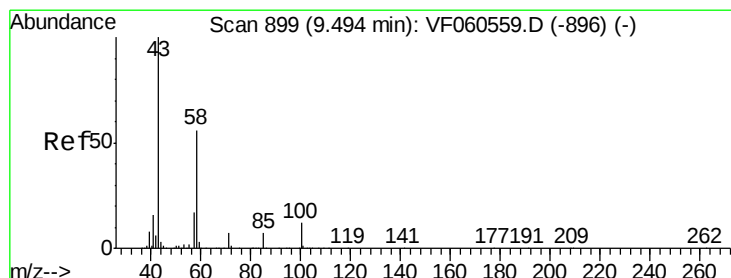
78 0.0 24.2 36.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0



Time-->



#59

2-Hexanone

Concen: 3070.144 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.77 min

Lab File: VF060679.D

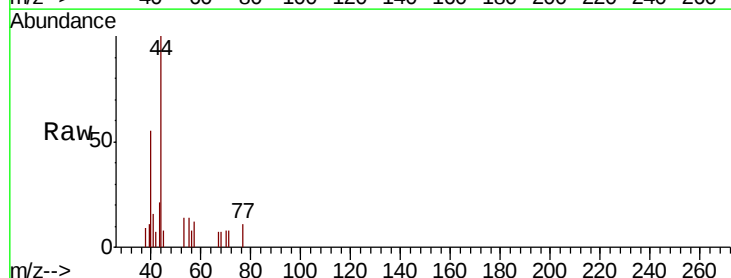
Acq: 9 Nov 2018 18:38

Tgt Ion: 43 Resp: 621

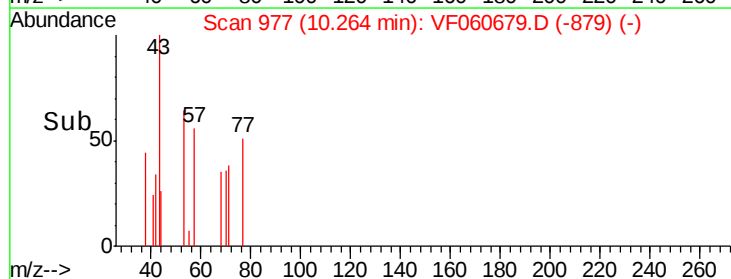
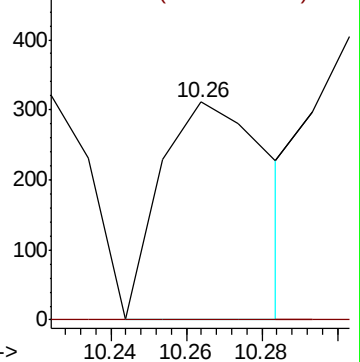
Ion Ratio Lower Upper

43 100

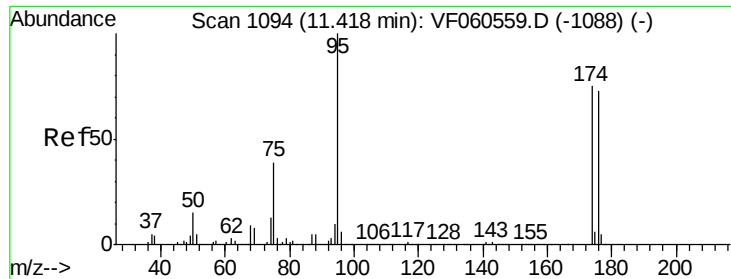
58 0.0 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0



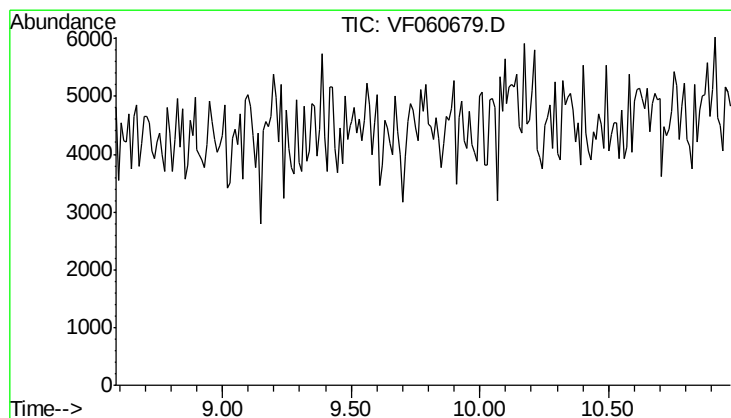
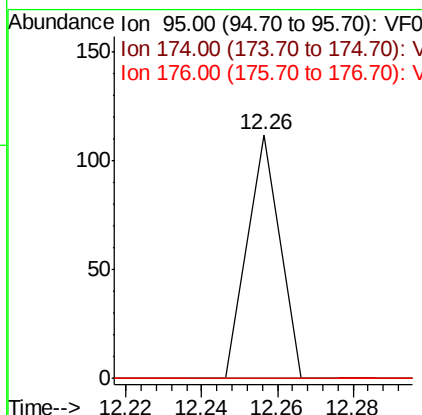
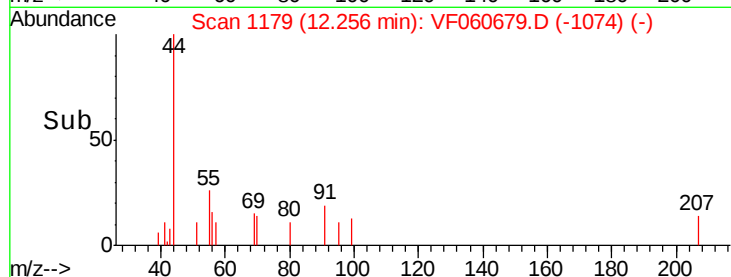
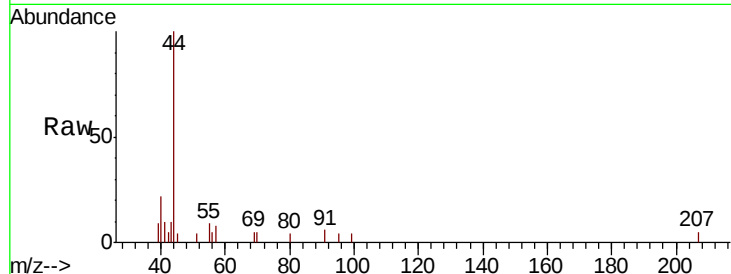
Time-->



#62
4-Bromofluorobenzene
Concen: 87.904 ug/l
RT: 12.26 min Scan# 1179
Delta R.T. 0.84 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

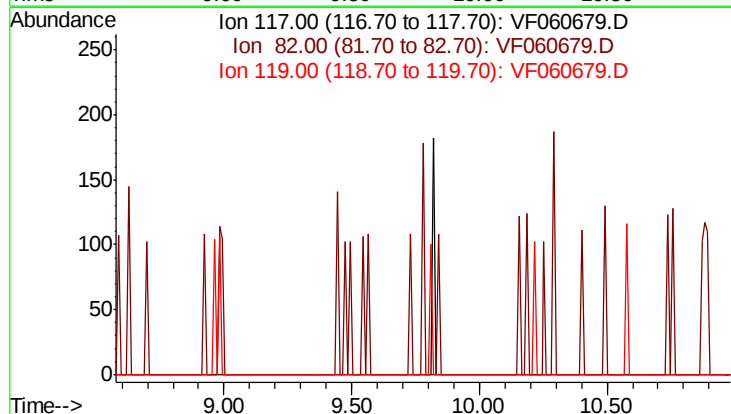
Instrument :
MSVOA_F
ClientSampled :
SB-13-DRE

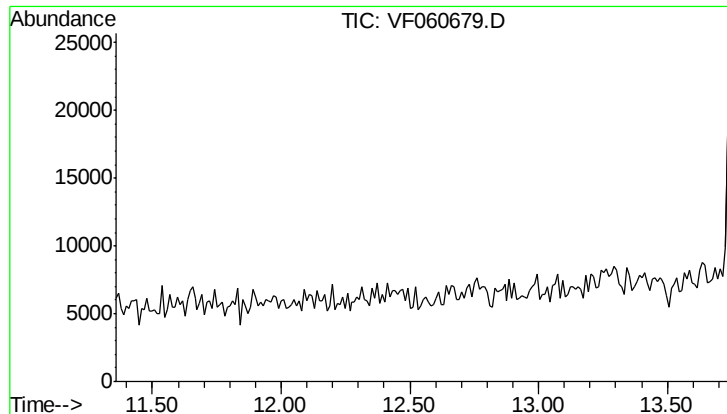
Tgt Ion: 95 Resp: 66
Ion Ratio Lower Upper
95 100
174 0.0 0.0 149.0
176 0.0 0.0 145.6



#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.78 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Tgt Ion: 117
Sig Exp Ratio
117 100
82 54.9
119 34.2





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.55 min
Lab File: VF060679.D
Acq: 9 Nov 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :
SB-13-DRE

Tgt Ion: 152
Sig Exp Ratio
152 100
115 59.2
150 157.8

