

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059779.D
 Acq On : 2 Aug 2018 3:56
 Operator : VA/AP
 Sample : J4164-08
 Misc : 11.43g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(7-9)

Quant Time: Aug 02 05:35:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	14845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	11753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	6566	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	2010	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	3138	11.76	ug/l	0.01
Spiked Amount			Recovery	=	23.52%	
35) Dibromofluoromethane	4.28	113	3832	31.39	ug/l	0.00
Spiked Amount			Recovery	=	62.78%	
50) Toluene-d8	7.71	98	10728	37.69	ug/l	0.00
Spiked Amount			Recovery	=	75.38%	
62) 4-Bromofluorobenzene	11.51	95	2178	13.82	ug/l	0.00
Spiked Amount			Recovery	=	27.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	138	Below Cal	#	44
3) Chloromethane	1.09	50	92	Below Cal	#	30
4) Vinyl Chloride	1.14	62	66	Below Cal	#	47
5) Bromomethane	1.23	94	70	Below Cal	#	4
6) Chloroethane	1.47	64	67	Below Cal	#	35
11) Tert butyl alcohol	2.61	59	64	4.52	ug/l	74
13) Acrolein	2.08	56	84	30.01	ug/l	4
15) Acrylonitrile	3.09	53	90	5.28	ug/l	7
16) Acetone	2.32	43	61	1.27	ug/l	68
18) Methyl Acetate	2.41	43	118	Below Cal	#	64
20) Methylene Chloride	2.16	84	61	Below Cal	#	51
21) trans-1,2-Dichloroethene	2.43	96	66	Below Cal	#	26
23) Vinyl Acetate	3.29	43	218	1.09	ug/l	83
25) 2-Butanone	4.49	43	98	1.83	ug/l	74
28) Bromochloromethane	3.92	49	77	Below Cal	#	15
29) Tetrahydrofuran	4.47	42	67	3.26	ug/l	39
31) Cyclohexane	3.92	56	77	Below Cal	#	15
36) 1,1-Dichloropropene	4.37	75	83	Below Cal	#	46
37) Ethyl Acetate	4.32	43	148	Below Cal	#	19
39) Methylcyclohexane	5.57	83	82	Below Cal	#	13
41) Methacrylonitrile	4.90	41	143	2.15	ug/l	24
48) Methyl methacrylate	6.85	41	76	1.44	ug/l	13
49) 1,4-Dioxane	6.87	88	97	233.85	ug/l	41
51) 4-Methyl-2-Pentanone	8.43	43	66	1.23	ug/l	42
52) Toluene	7.70	92	62	Below Cal	#	1
54) cis-1,3-Dichloropropene	7.38	75	170	1.25	ug/l	18
55) 1,1,2-Trichloroethane	8.56	97	68	1.06	ug/l	24
56) Ethyl methacrylate	8.82	69	77	1.15	ug/l	14
58) 2-Chloroethyl Vinyl ether	7.62	63	65	8.40	ug/l	100
59) 2-Hexanone	9.64	43	249	5.81	ug/l	30
64) Tetrachloroethene	8.31	164	82	Below Cal	#	1
71) Bromoform	10.88	173	61	1.53	ug/l	30
74) N-amyl acetate	11.47	43	167	5.02	ug/l	48
76) 1,2,3-Trichloropropane	11.94	75	66	3.13	ug/l	1

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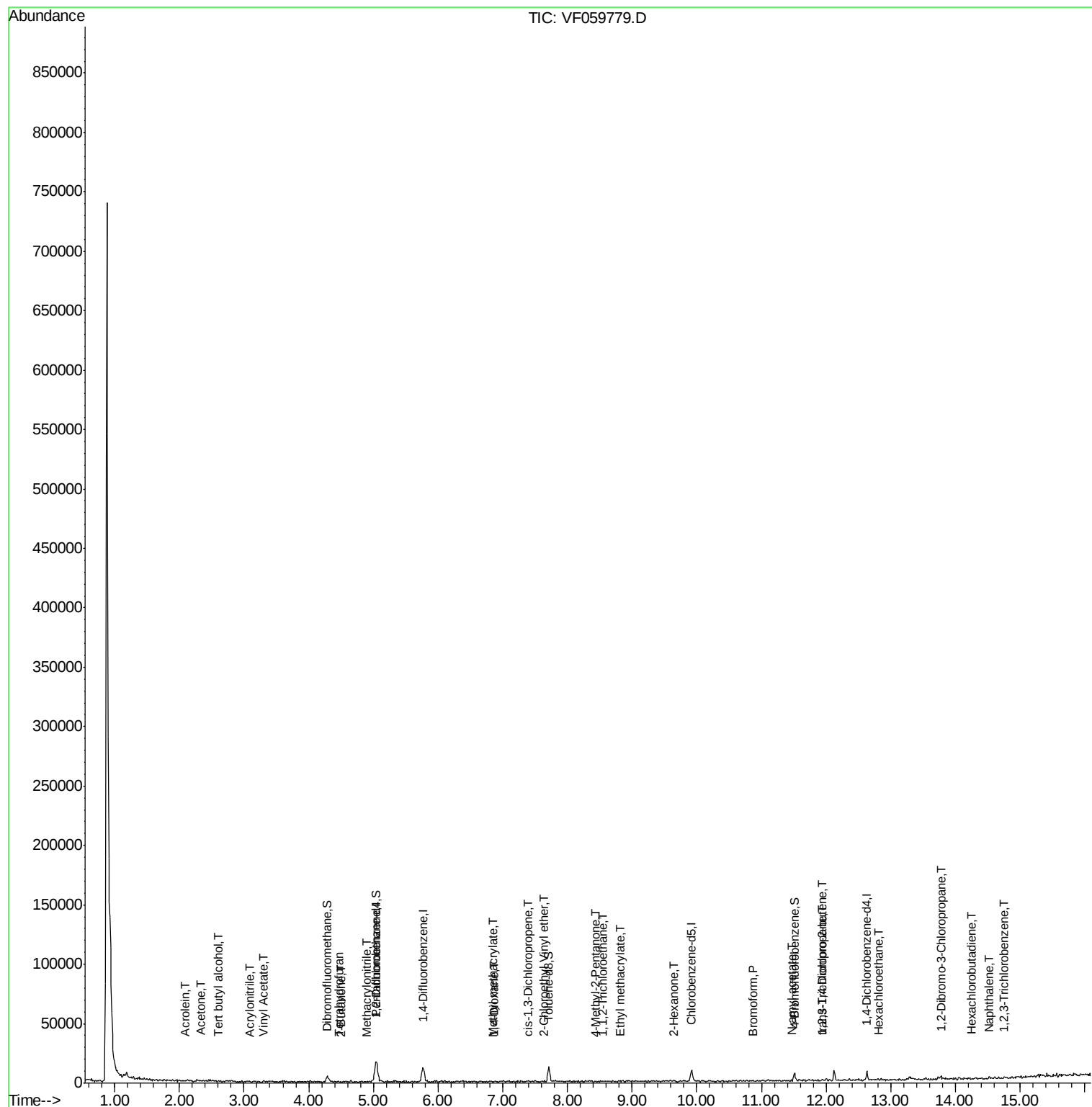
78) n-propylbenzene	11.67	91	72	Below Cal	#	54
79) 2-Chlorotoluene	11.67	91	72	Below Cal	#	44
81) trans-1,4-Dichloro-2-buten	11.94	75	66	7.55 ug/l	#	9
82) 4-Chlorotoluene	12.01	91	74	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.40	105	142	Below Cal	#	33
85) sec-Butylbenzene	12.40	105	142	Below Cal	#	57
86) p-Isopropyltoluene	12.48	119	81	Below Cal	#	1
90) Hexachloroethane	12.82	117	86	2.59 ug/l	#	18
92) 1,2-Dibromo-3-Chloropropan	13.79	75	63	10.38 ug/l	#	9
94) Hexachlorobutadiene	14.26	225	71	2.15 ug/l	#	19
95) Naphthalene	14.52	128	324	3.74 ug/l	#	70
96) 1,2,3-Trichlorobenzene	14.76	180	61	1.27 ug/l	#	13

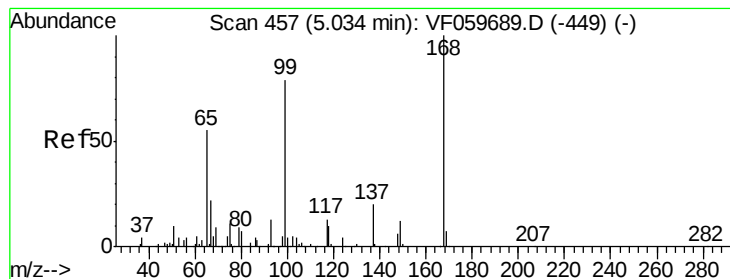
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

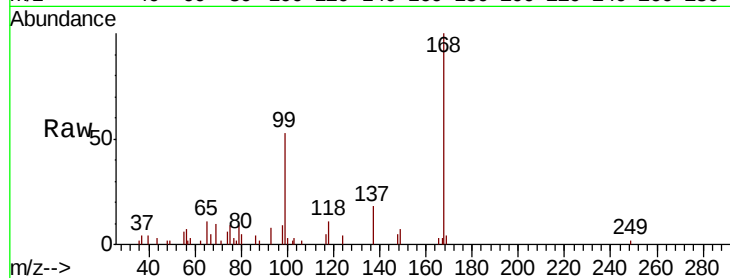
SB-4(7-9)

Tot Ion:168 Resp: 14845

Ion Ratio Lower Upper

168 100

99 53.4 63.3 94.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

6000

5000

4000

3000

2000

1000

0

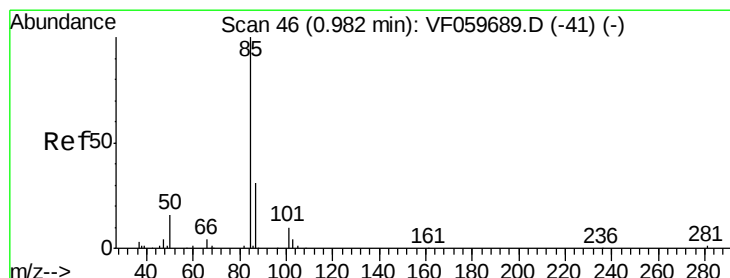
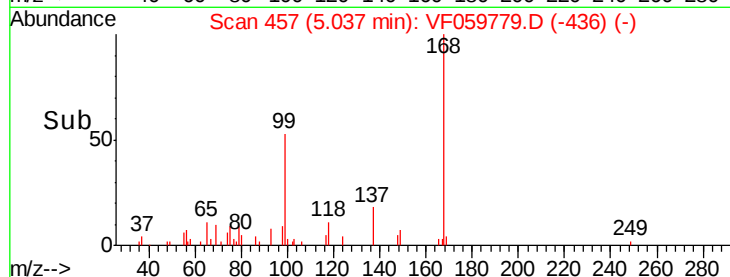
Time-->

4.90

5.00

5.10

5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059779.D

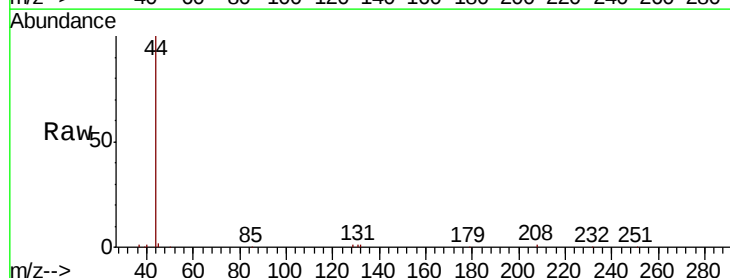
Acq: 2 Aug 2018 3:56

Tgt Ion: 85 Resp: 138

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100

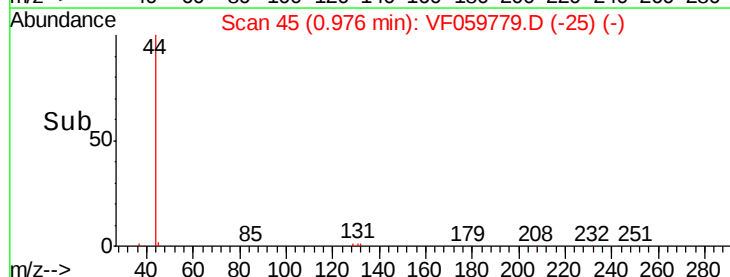
50

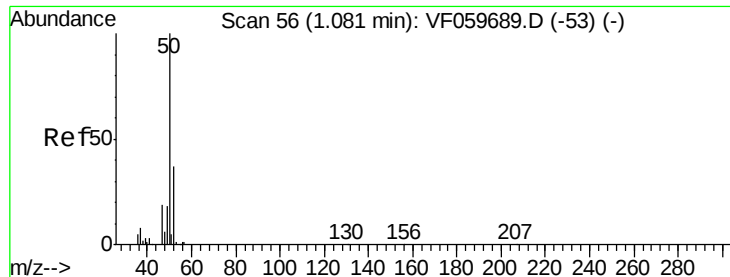
0

Time-->

0.95

1.00





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

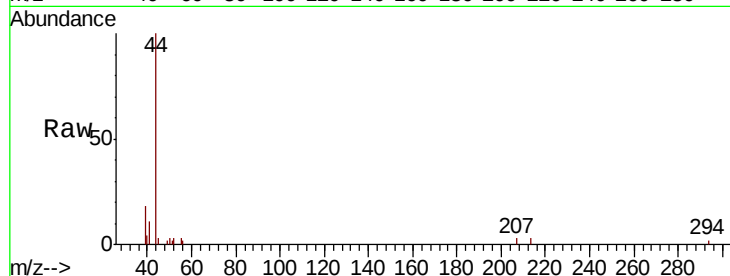
SB-4(7-9)

Tot Ion: 50 Resp: 92

Ion Ratio Lower Upper

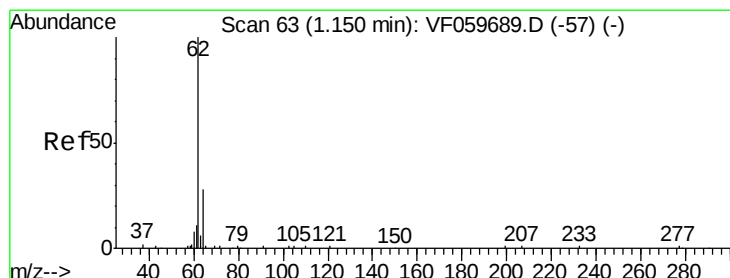
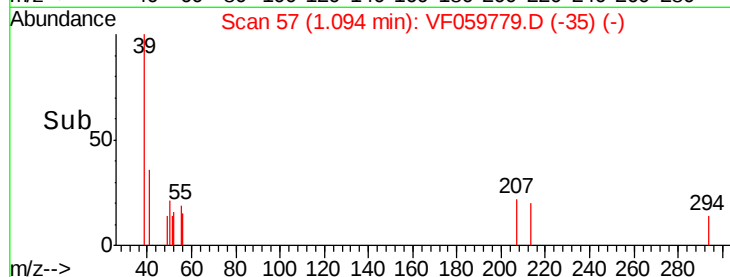
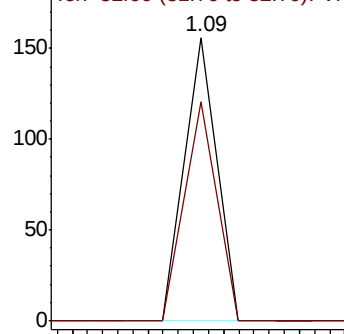
50 100

52 77.6 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059779.D

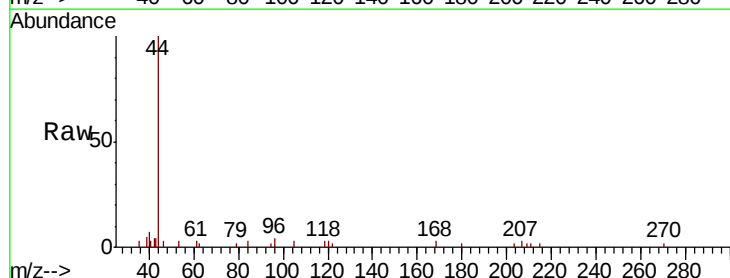
Acq: 2 Aug 2018 3:56

Tgt Ion: 62 Resp: 66

Ion Ratio Lower Upper

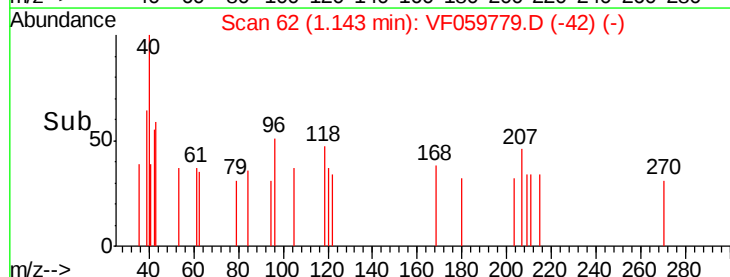
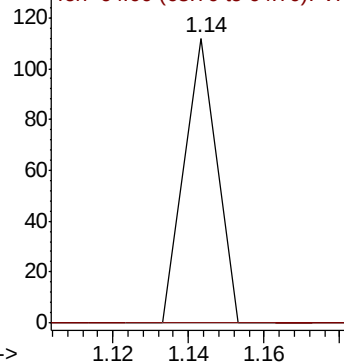
62 100

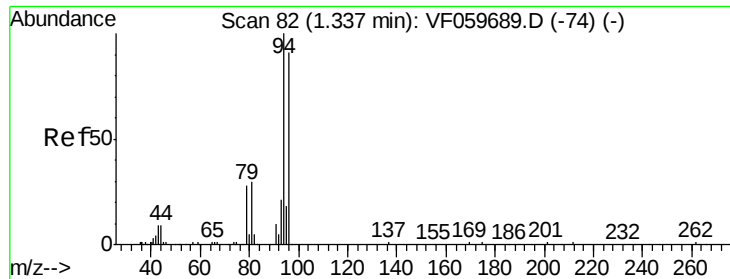
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.23 min Scan# 71

Delta R.T. -0.11 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

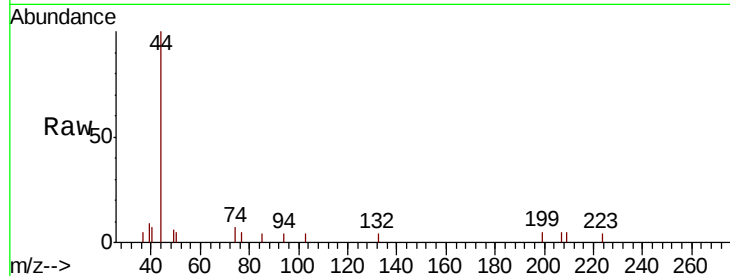
SB-4(7-9)

Tot Ion: 94 Resp: 70

Ion Ratio Lower Upper

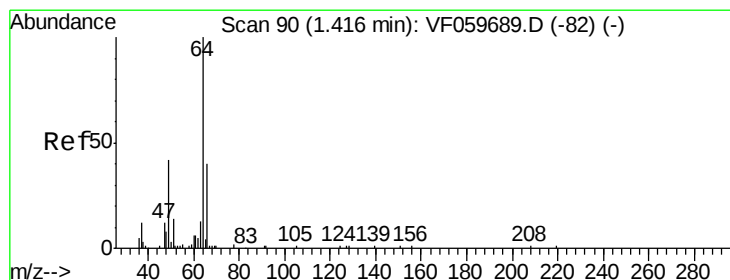
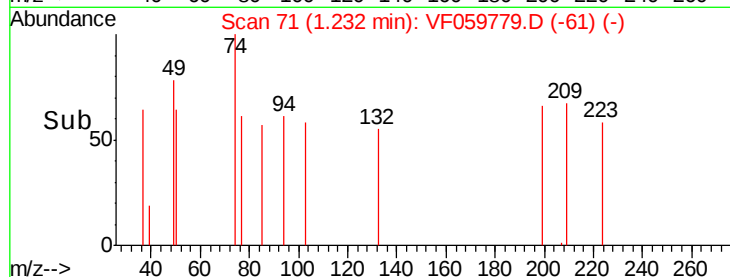
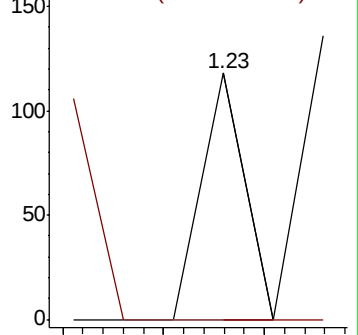
94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.47 min Scan# 95

Delta R.T. 0.05 min

Lab File: VF059779.D

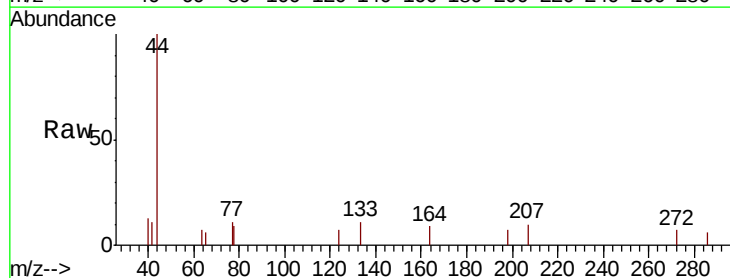
Acq: 2 Aug 2018 3:56

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

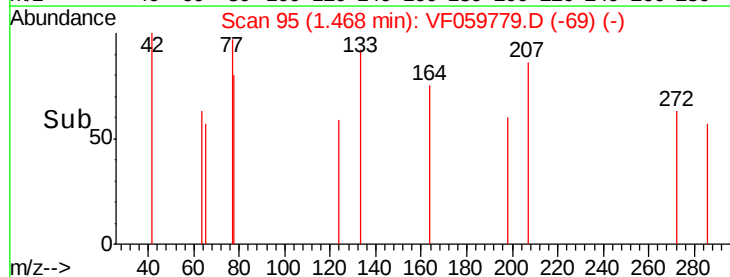
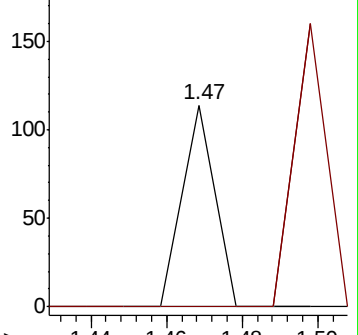
64 100

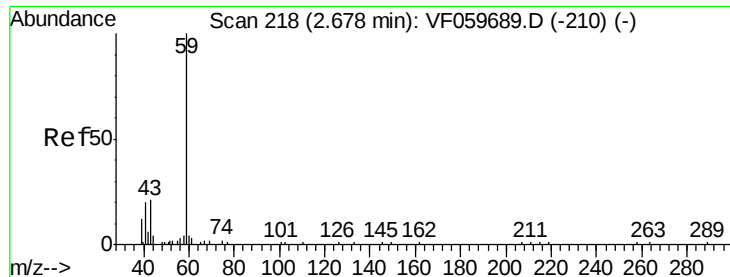
66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

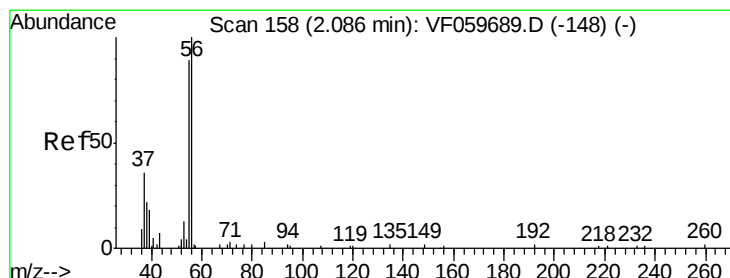
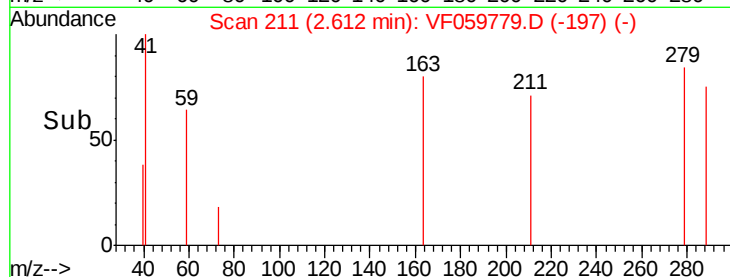
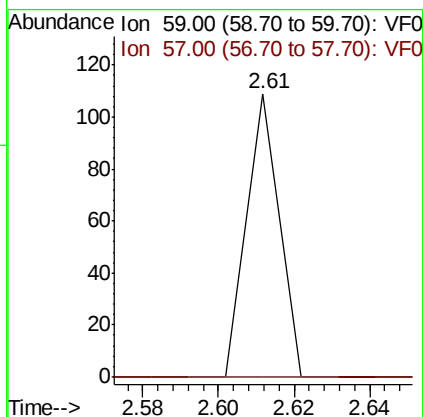
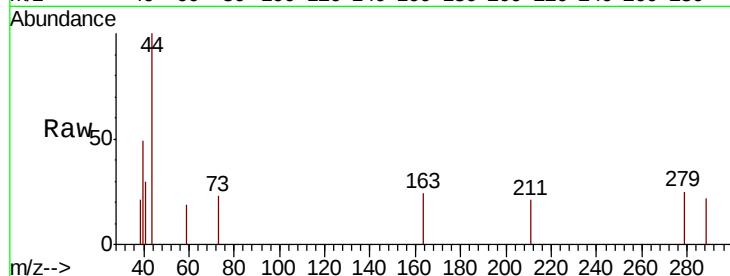




#11
Tert butyl alcohol
Concen: 4.52 ug/l
RT: 2.61 min Scan# 211
Delta R.T. -0.07 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

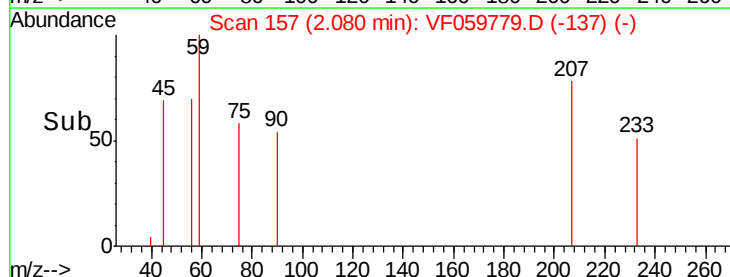
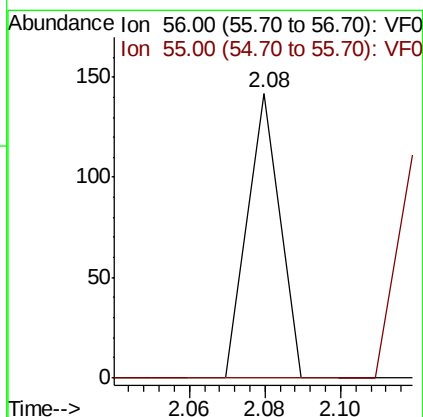
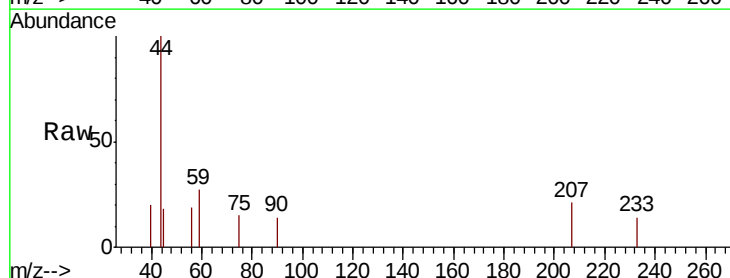
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

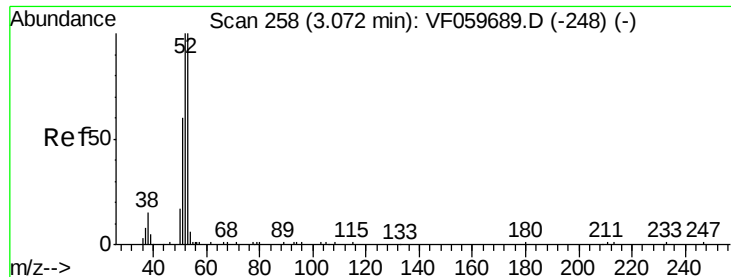
Tot Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#13
Acrolein
Concen: 30.01 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 0.0 73.2 109.8#





#15

Acrylonitrile

Concen: 5.28 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

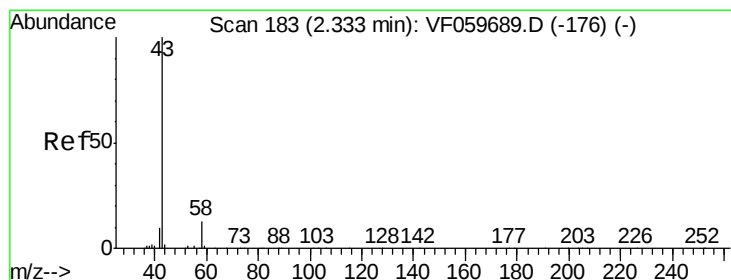
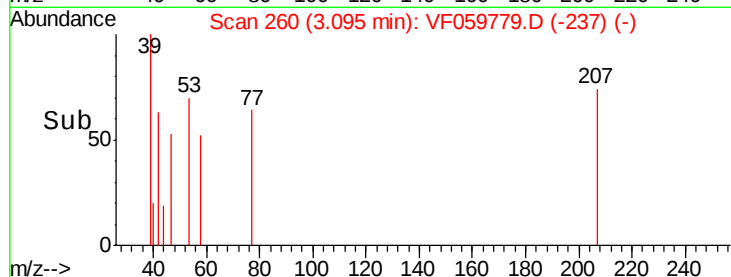
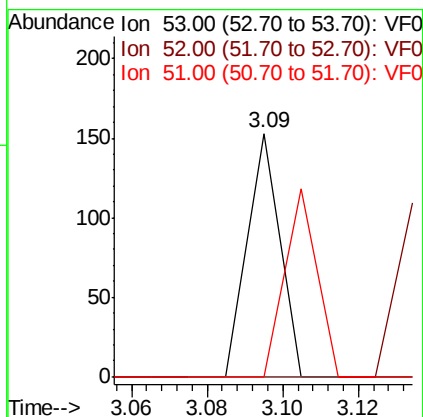
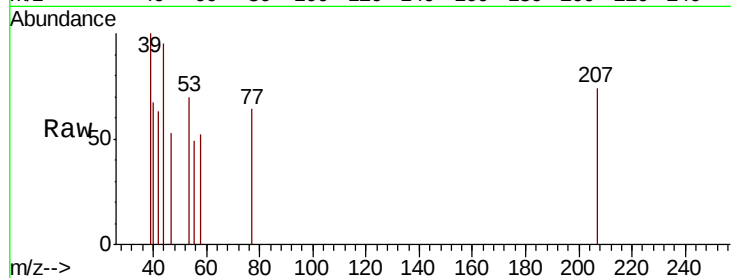
Tot Ion: 53 Resp: 90

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 0.0 49.4 74.0#



#16

Acetone

Concen: 1.27 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF059779.D

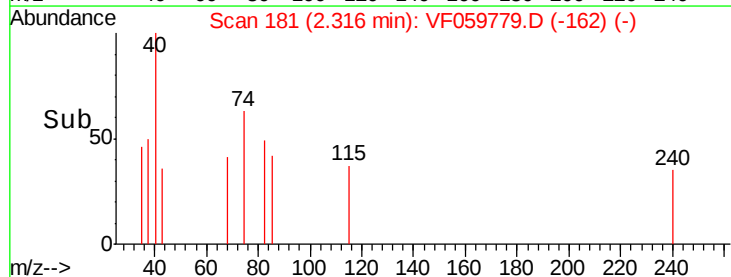
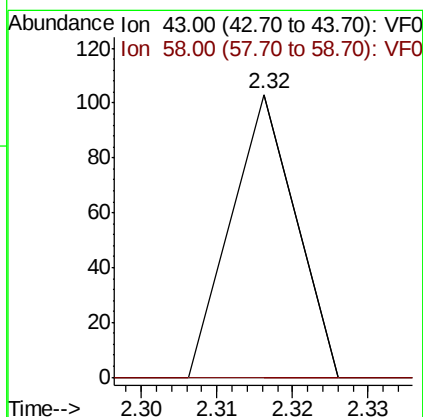
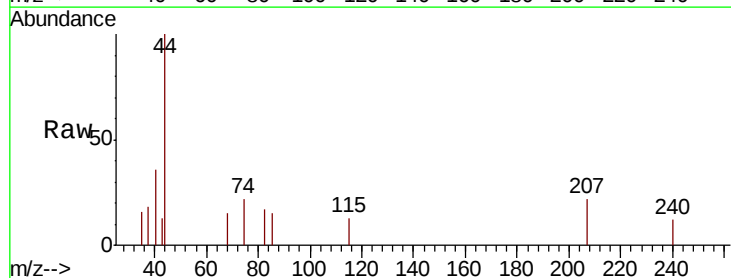
Acq: 2 Aug 2018 3:56

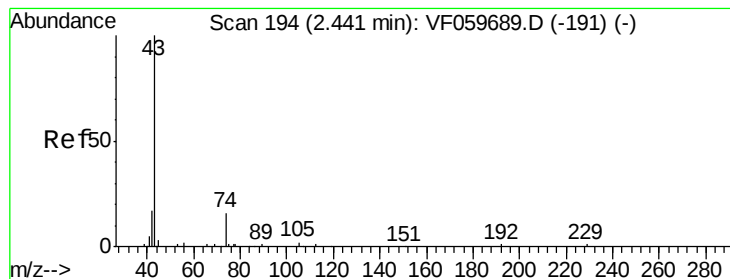
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 10.1 15.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.41 min Scan# 191

Delta R.T. -0.03 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

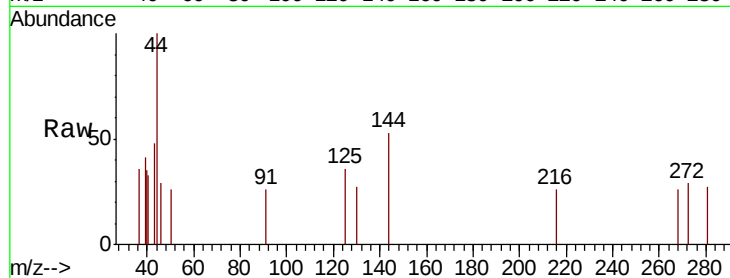
SB-4(7-9)

Tot Ion: 43 Resp: 118

Ion Ratio Lower Upper

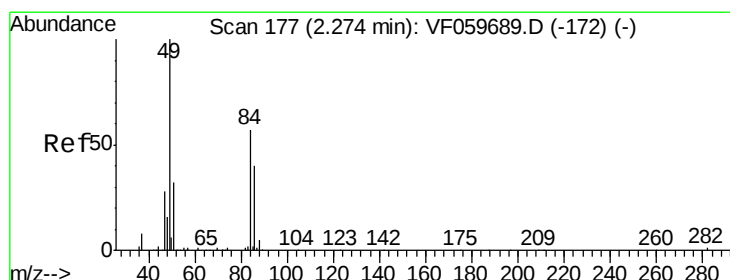
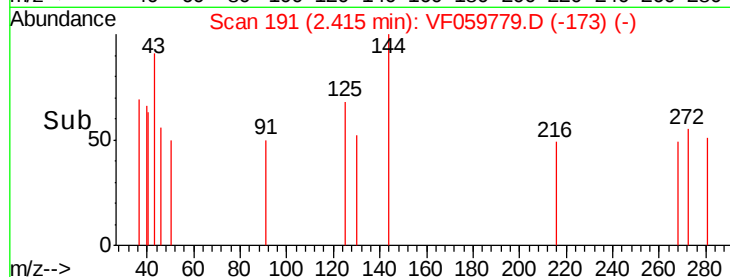
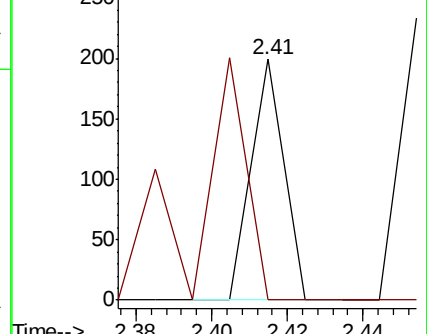
43 100

74 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.16 min Scan# 165

Delta R.T. -0.11 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Tgt Ion: 84 Resp: 61

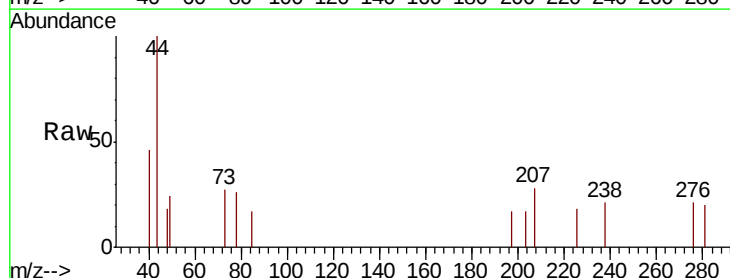
Ion Ratio Lower Upper

84 100

49 142.7 142.2 213.4

51 0.0 46.2 69.2#

86 0.0 57.1 85.7#

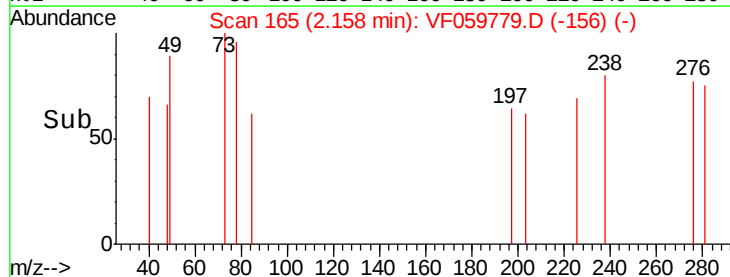
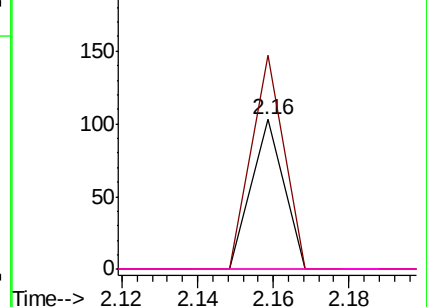


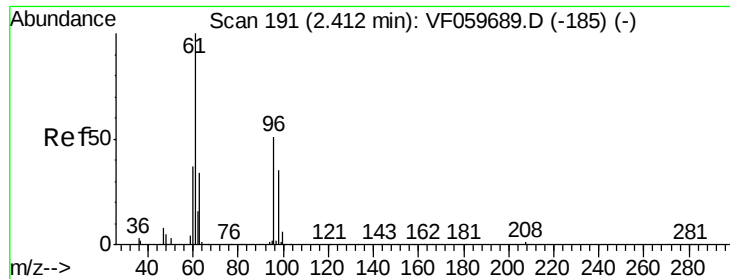
Abundance Ion 84.00 (83.70 to 84.70): VF0

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: Below Cal

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

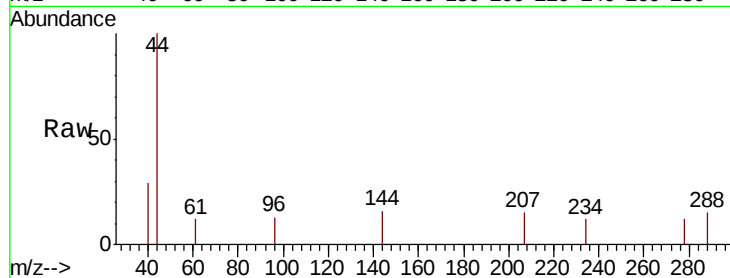
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 92.0 157.4 236.0#

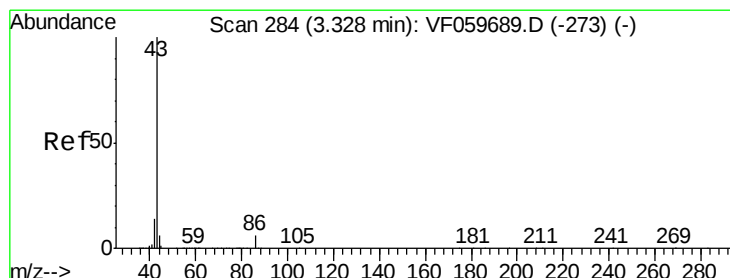
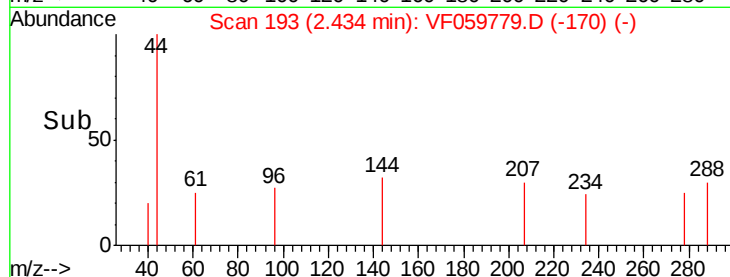
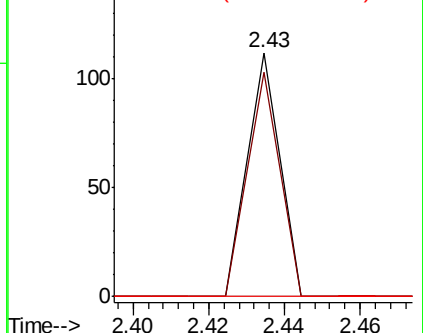
98 0.0 55.0 82.4#



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



#23

Vinyl Acetate

Concen: 1.09 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.04 min

Lab File: VF059779.D

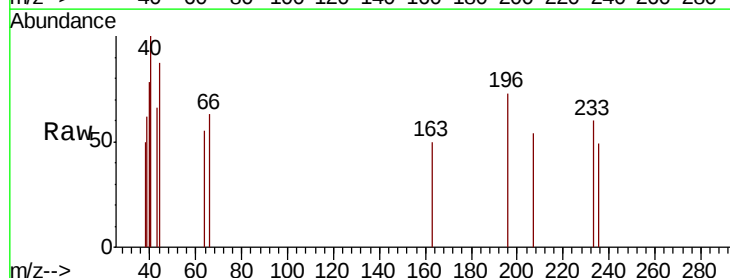
Acq: 2 Aug 2018 3:56

Tgt Ion: 43 Resp: 218

Ion Ratio Lower Upper

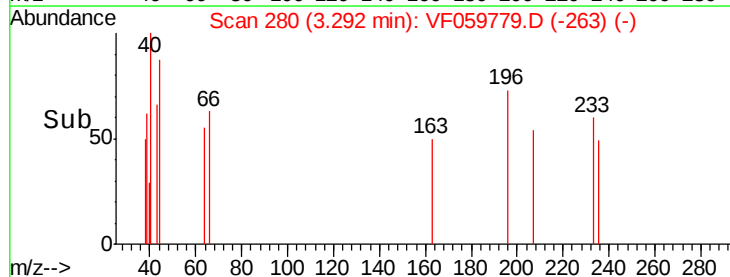
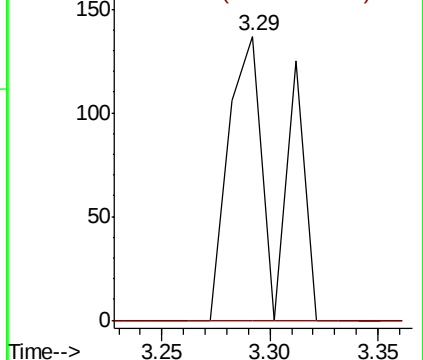
43 100

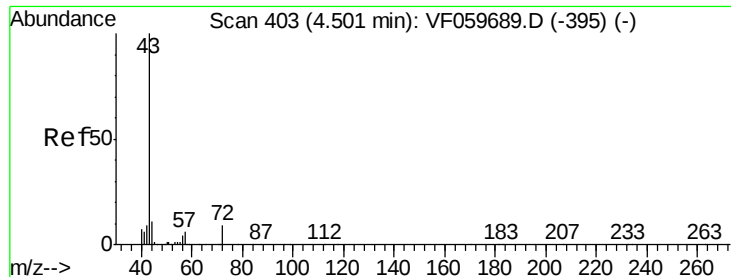
86 0.0 4.6 6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

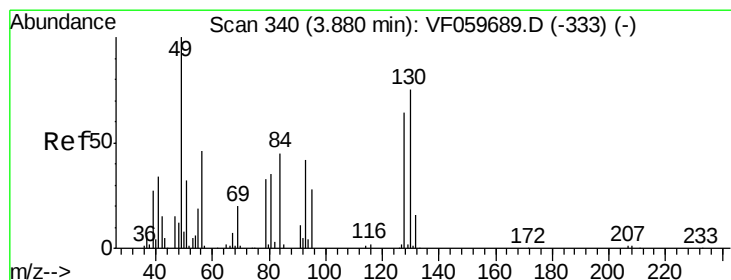
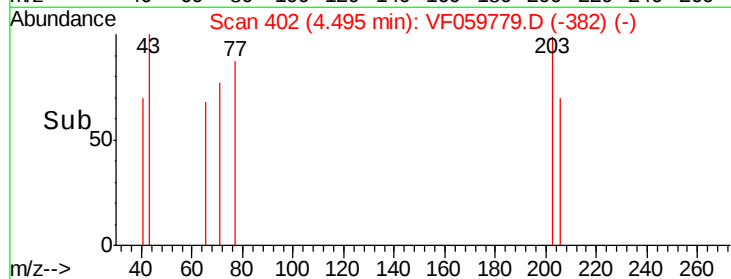
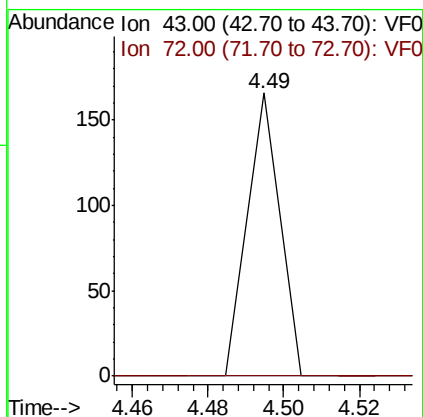
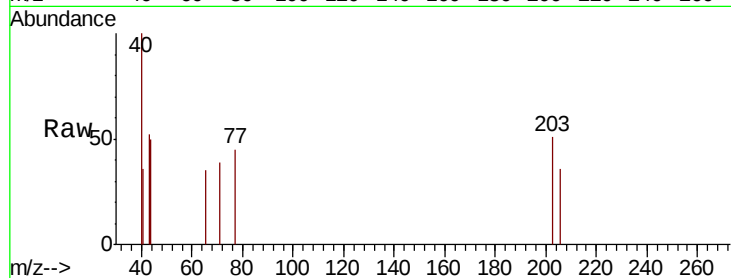




#25
2-Butanone
Concen: 1.83 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.01 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

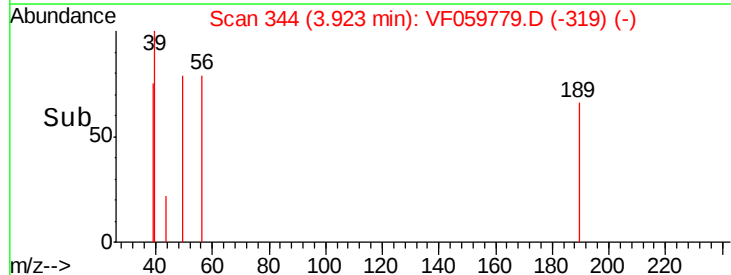
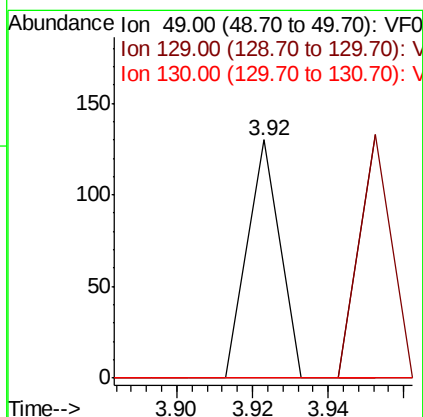
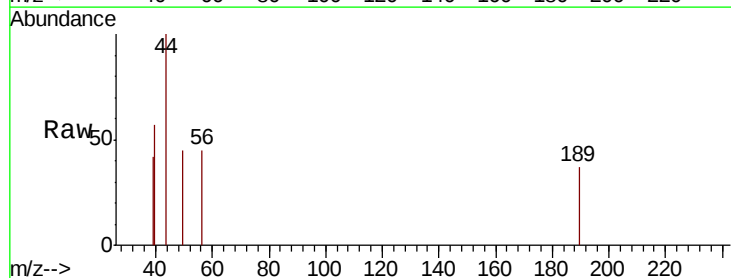
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

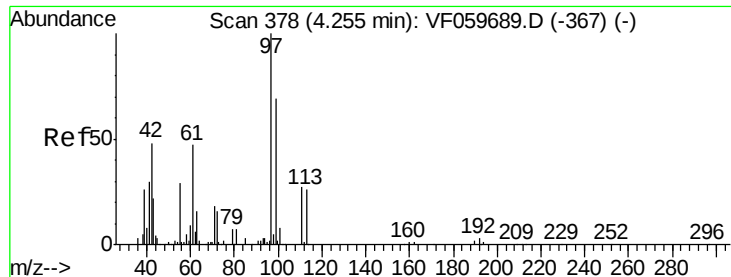
Tot Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
72 0.0 7.7 11.5#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.92 min Scan# 344
Delta R.T. 0.04 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

Tgt Ion: 49 Resp: 77
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 59.6 89.4#





#29

Tetrahydrofuran

Concen: 3.26 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.21 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

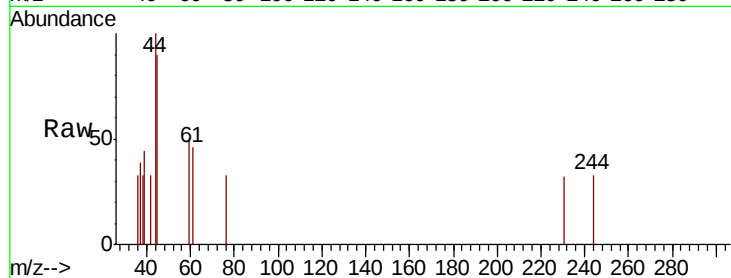
Tot Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

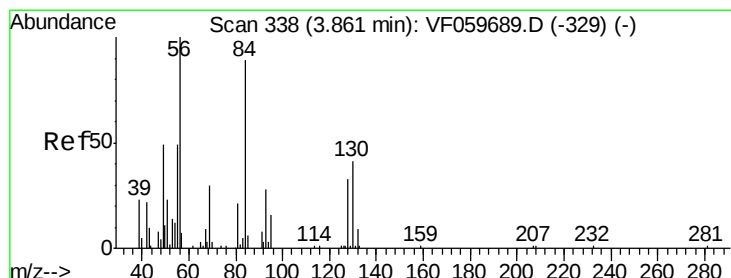
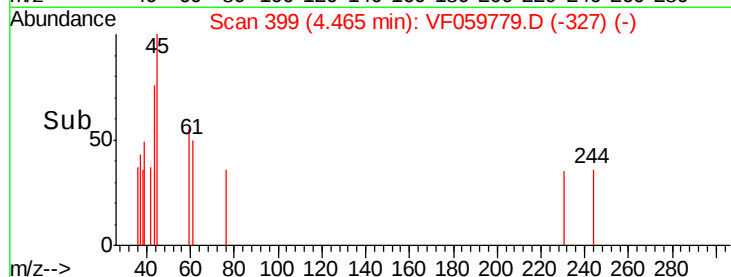
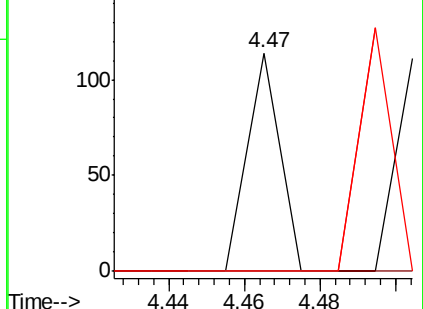
71 0.0 29.7 44.5#



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



#31

Cyclohexane

Concen: Below Cal

RT: 3.92 min Scan# 344

Delta R.T. 0.06 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

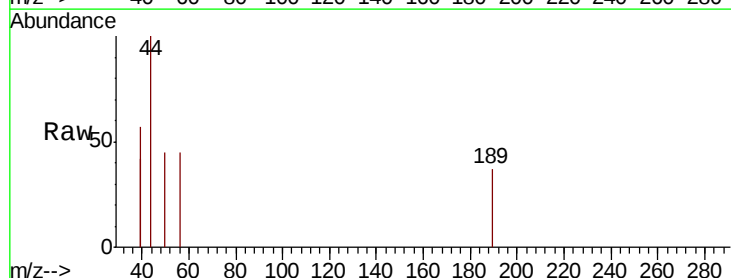
Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

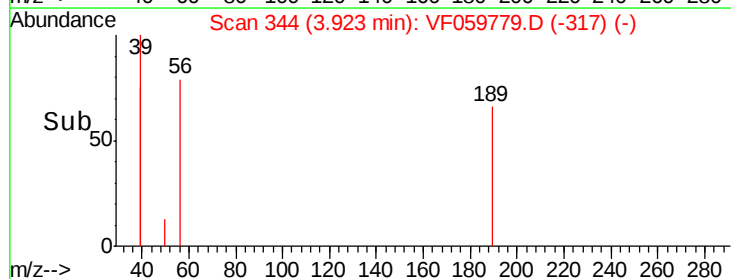
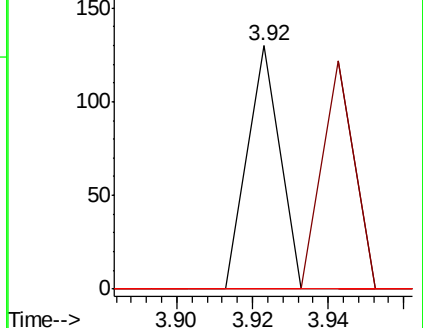
84 0.0 71.1 106.7#

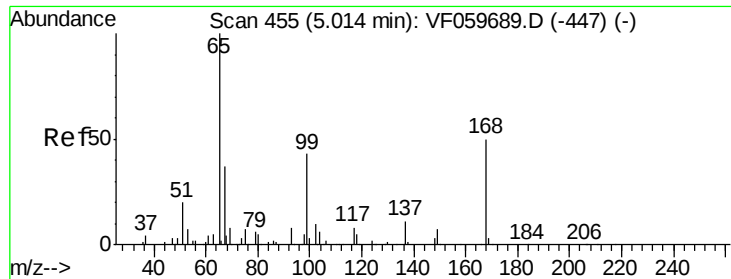


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 11.76 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampled :

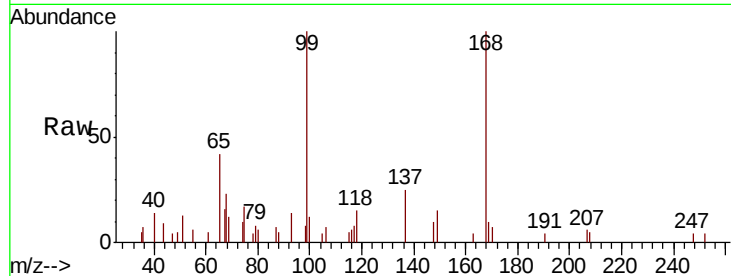
SB-4(7-9)

Tot Ion: 65 Resp: 3138

Ion Ratio Lower Upper

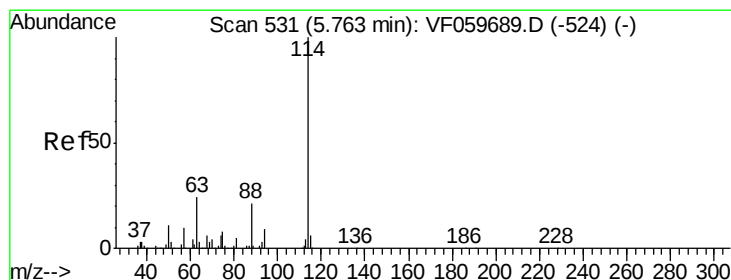
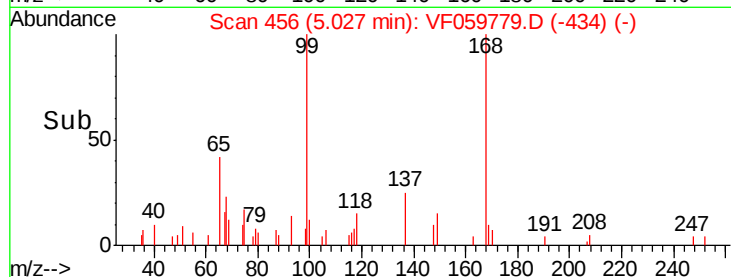
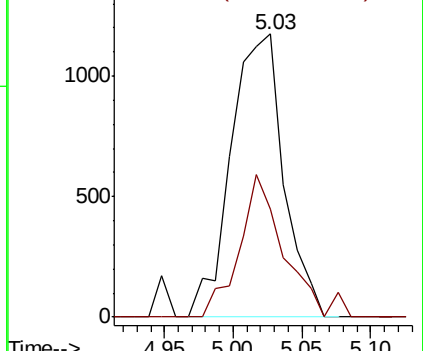
65 100

67 38.1 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

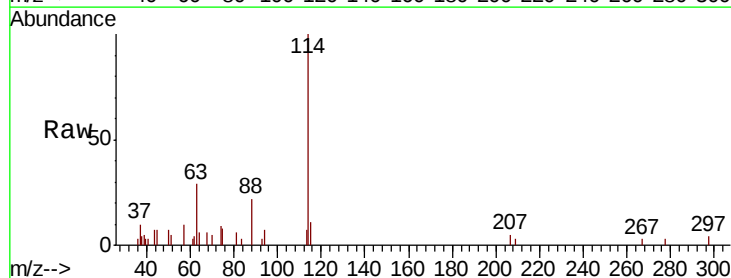
Tgt Ion: 114 Resp: 11753

Ion Ratio Lower Upper

114 100

63 28.7 0.0 47.4

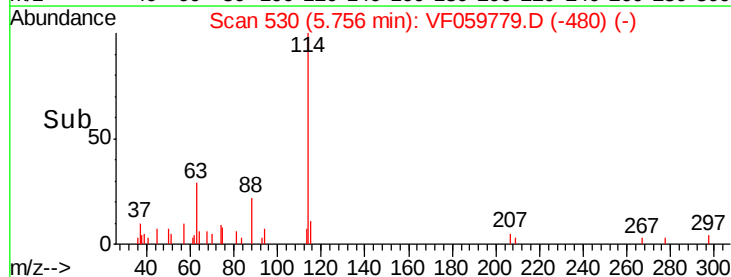
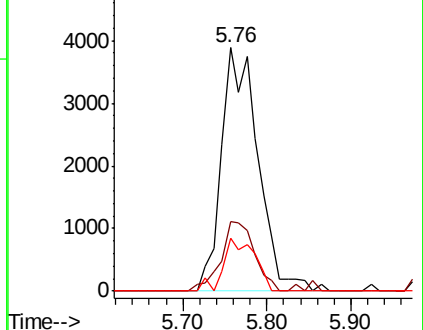
88 21.7 0.0 41.2

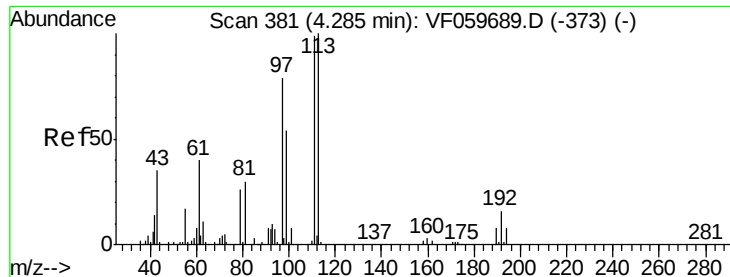


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 31.39 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

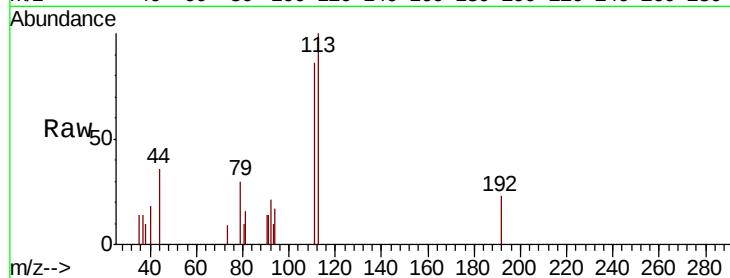
Tot Ion:113 Resp: 3832

Ion Ratio Lower Upper

113 100

111 85.9 79.0 118.4

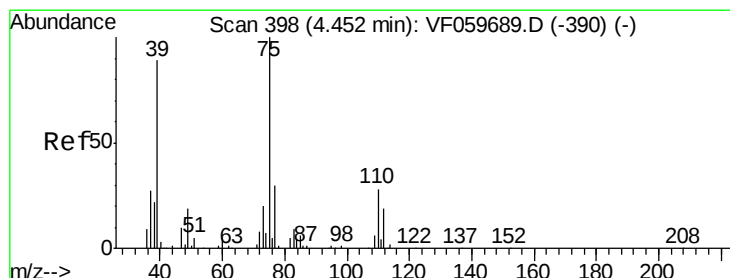
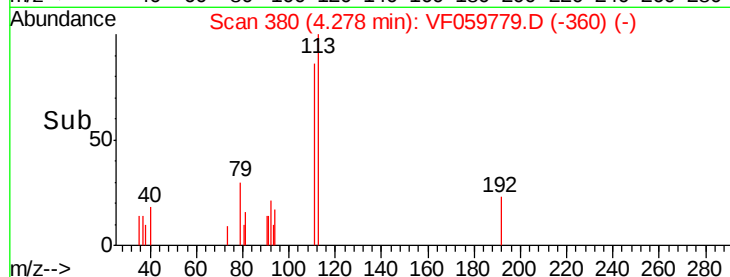
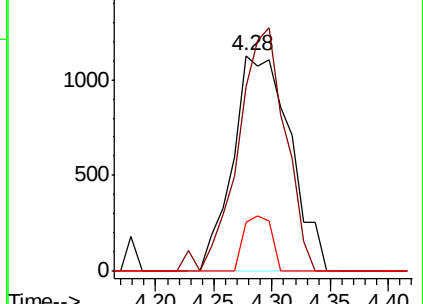
192 22.8 13.2 19.8#



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: Below Cal

RT: 4.37 min Scan# 389

Delta R.T. -0.09 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

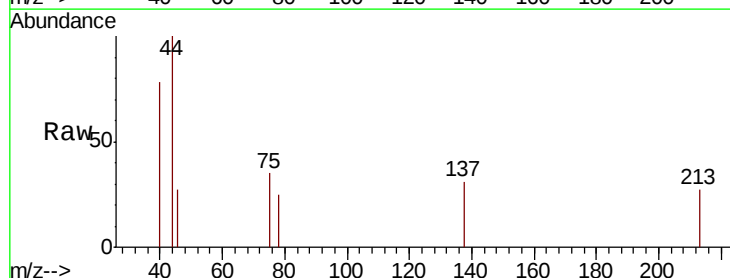
Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

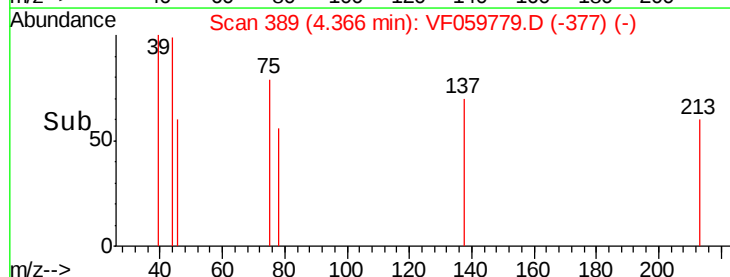
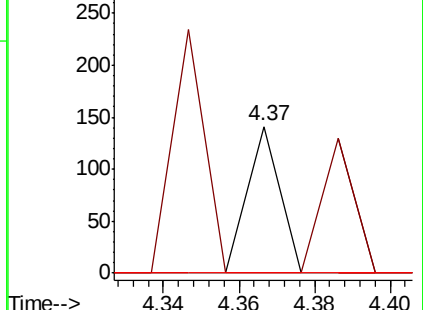
77 0.0 24.2 36.2#

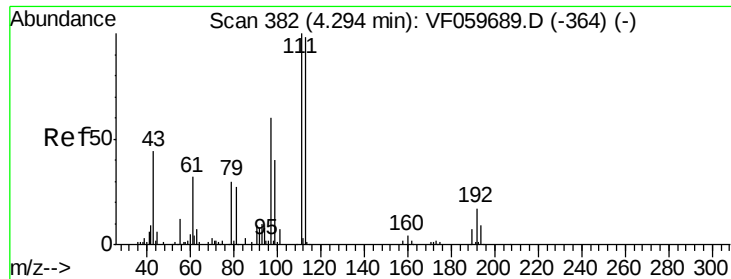


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

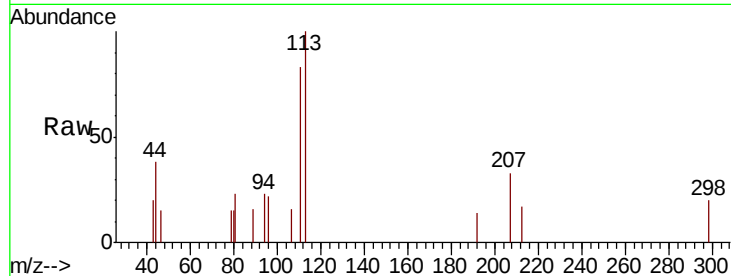
Tot Ion: 43 Resp: 148

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

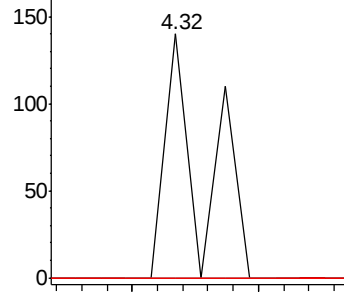
70 0.0 6.0 9.0#



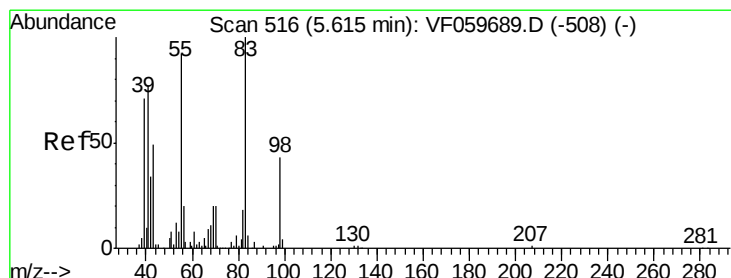
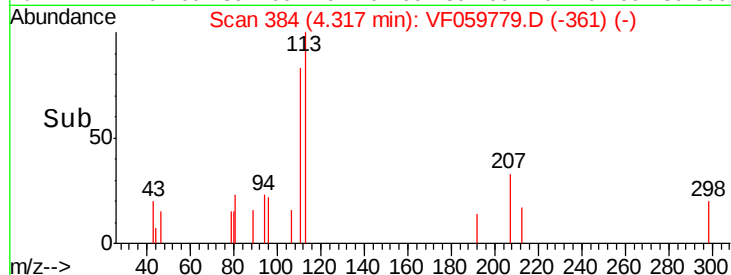
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#39

Methylcyclohexane

Concen: Below Cal

RT: 5.57 min Scan# 511

Delta R.T. -0.05 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

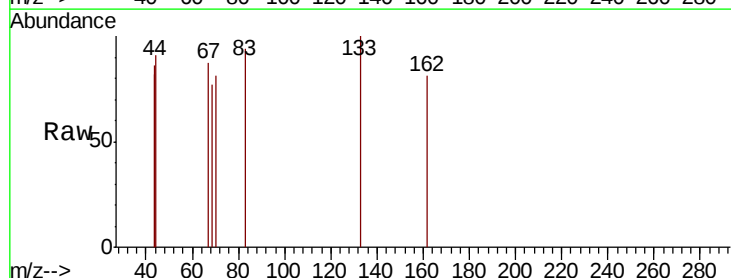
Tgt Ion: 83 Resp: 82

Ion Ratio Lower Upper

83 100

55 0.0 73.4 110.2#

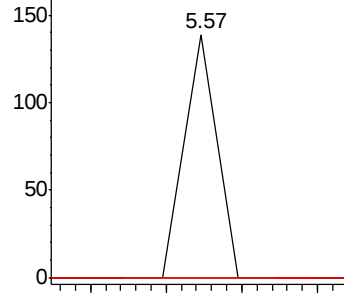
98 0.0 34.2 51.4#



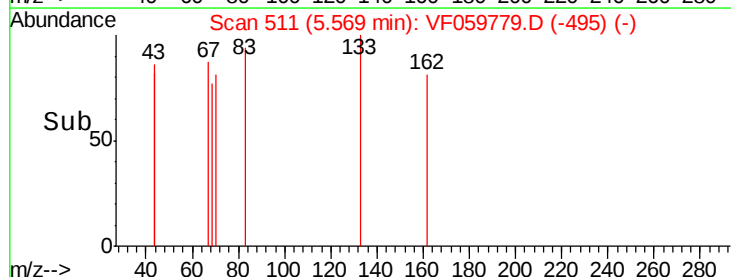
Abundance Ion 83.00 (82.70 to 83.70): VF0

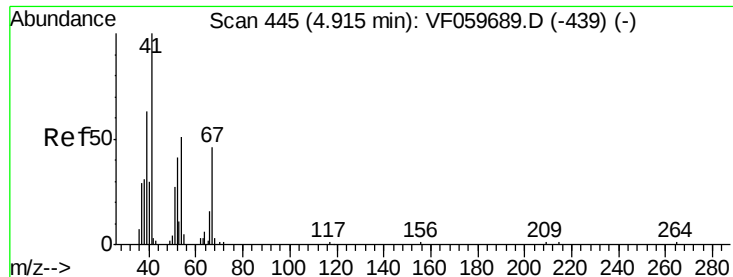
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->

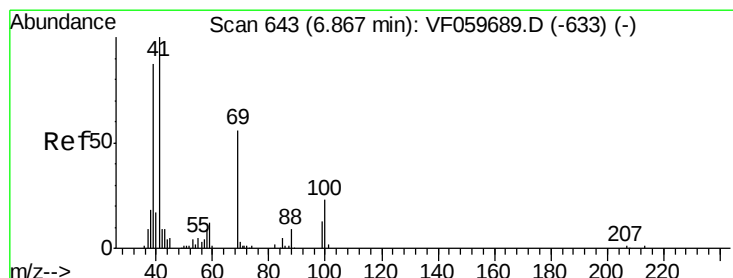
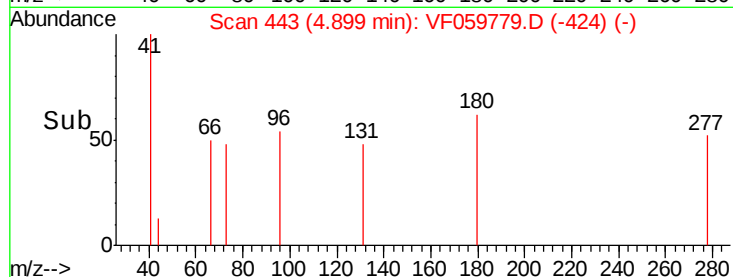
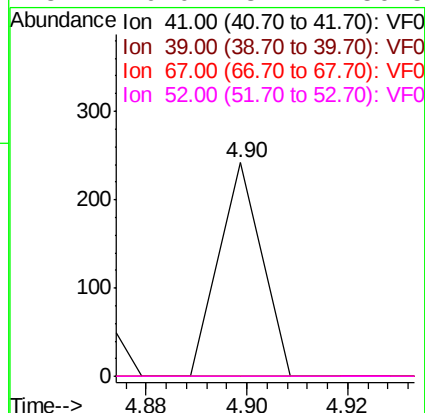
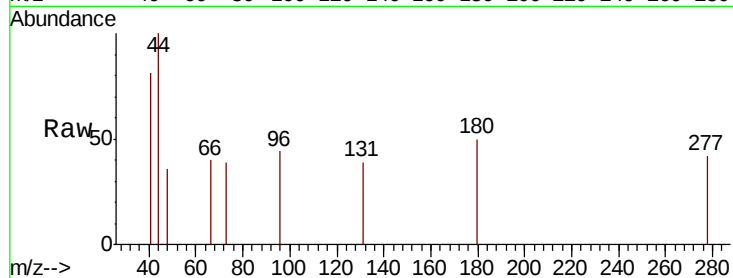




#41
Methacrylonitrile
Concen: 2.15 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.02 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

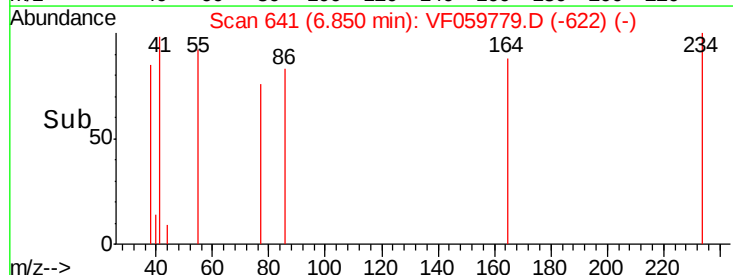
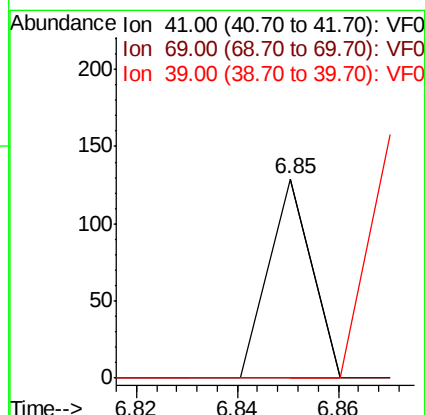
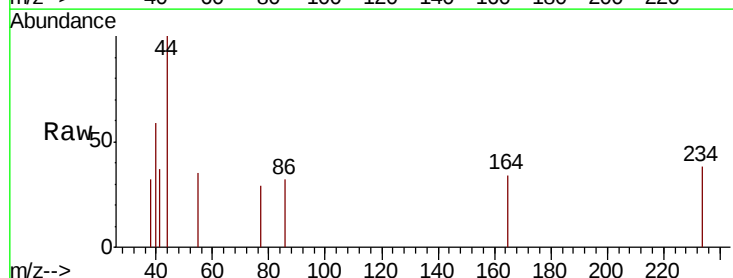
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

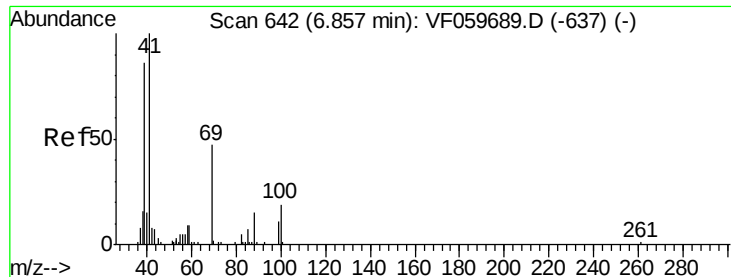
Tot Ion: 41 Resp: 143
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#



#48
Methyl methacrylate
Concen: 1.44 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

Tgt Ion: 41 Resp: 76
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 69.4 104.2#





#49

1,4-Dioxane

Concen: 233.85 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

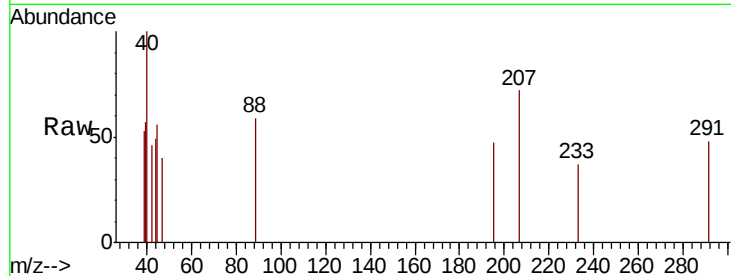
Tot Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 83.5 45.2 67.8#

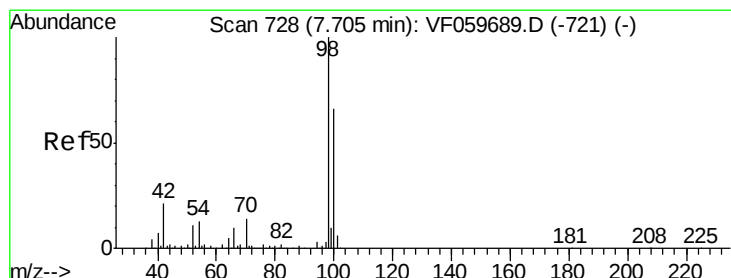
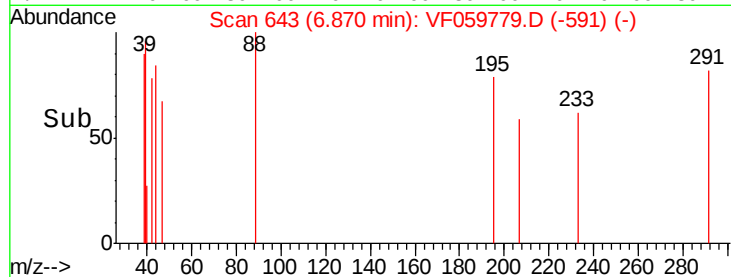
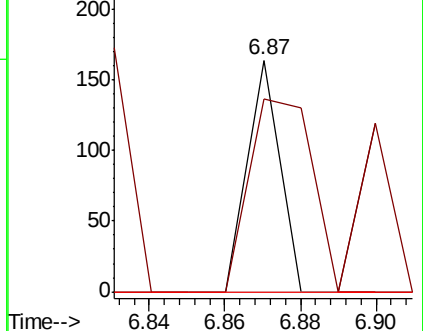
58 0.0 49.0 73.6#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 37.69 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059779.D

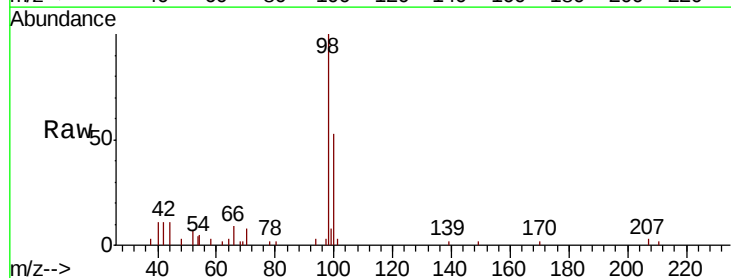
Acq: 2 Aug 2018 3:56

Tgt Ion: 98 Resp: 10728

Ion Ratio Lower Upper

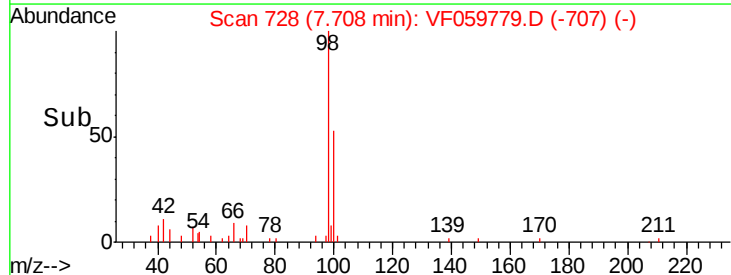
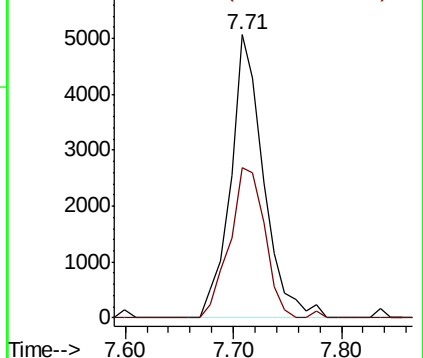
98 100

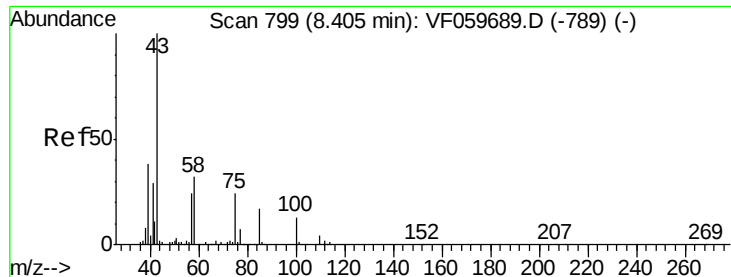
100 53.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.23 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampled :

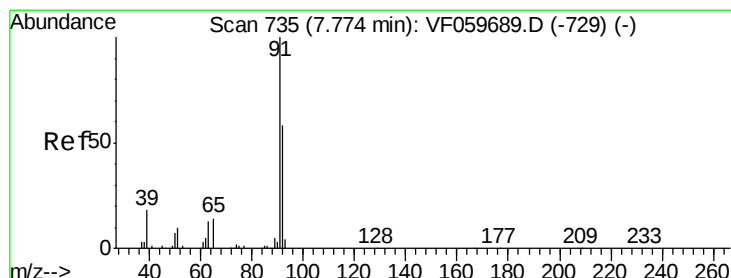
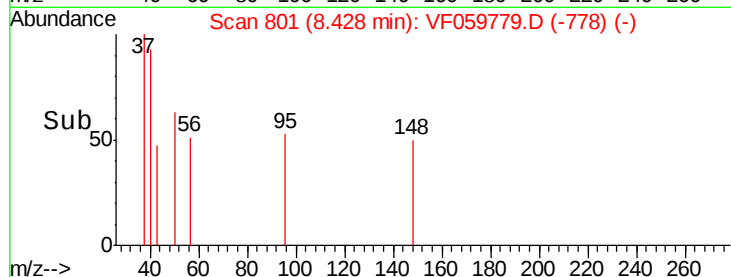
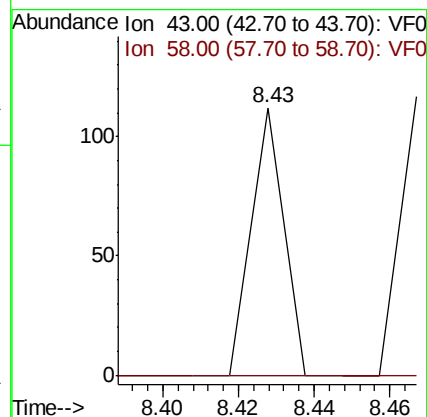
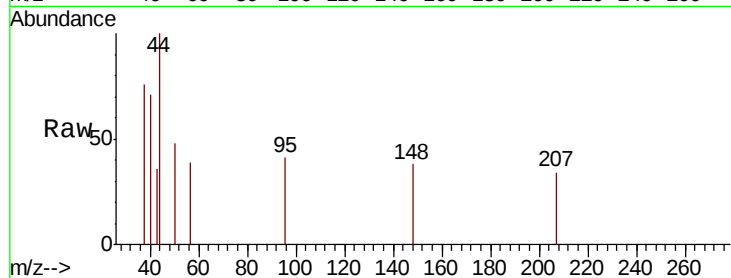
SB-4(7-9)

Tot Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



#52

Toluene

Concen: Below Cal

RT: 7.70 min Scan# 727

Delta R.T. -0.08 min

Lab File: VF059779.D

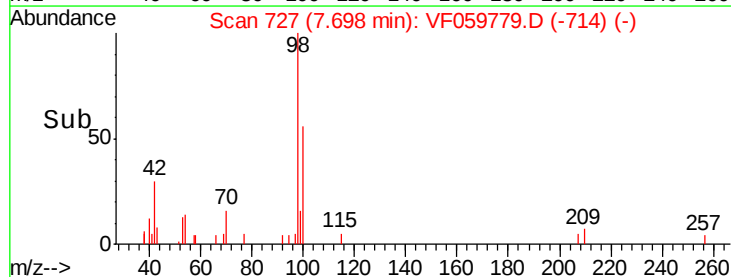
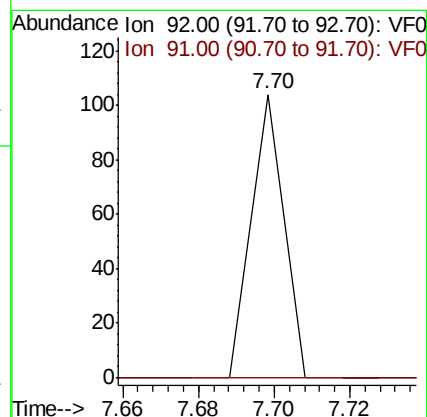
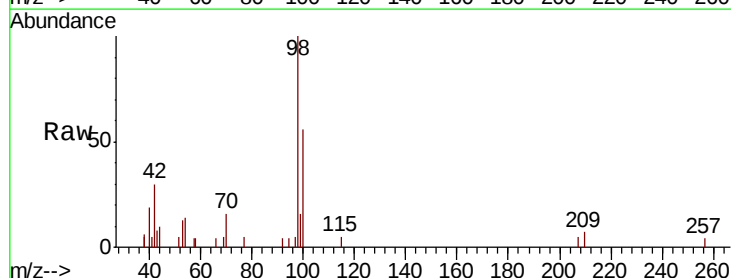
Acq: 2 Aug 2018 3:56

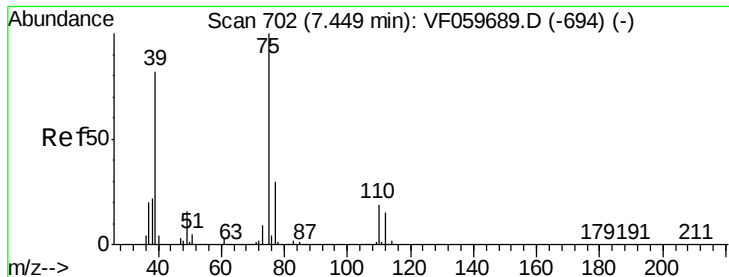
Tgt Ion: 92 Resp: 62

Ion Ratio Lower Upper

92 100

91 0.0 139.0 208.4#





#54

cis-1,3-Dichloropropene

Concen: 1.25 ug/l

RT: 7.38 min Scan# 695

Delta R.T. -0.07 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

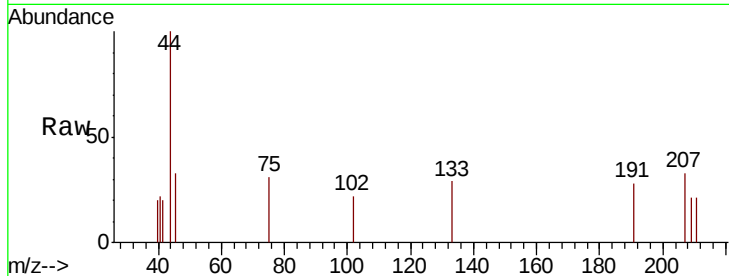
Tot Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

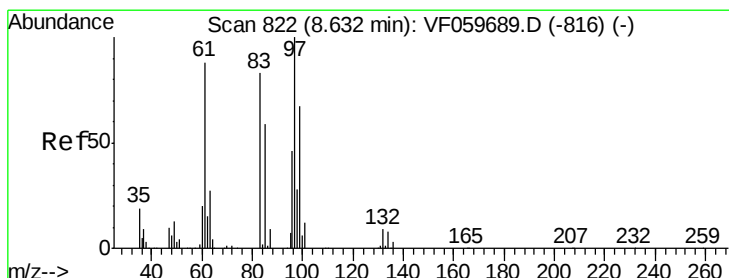
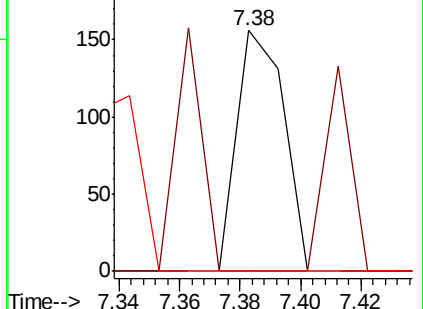
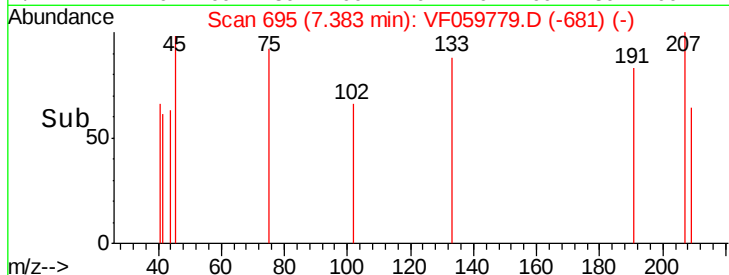
39 0.0 65.4 98.2#



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



#55

1,1,2-Trichloroethane

Concen: 1.06 ug/l

RT: 8.56 min Scan# 814

Delta R.T. -0.08 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Tgt Ion: 97 Resp: 68

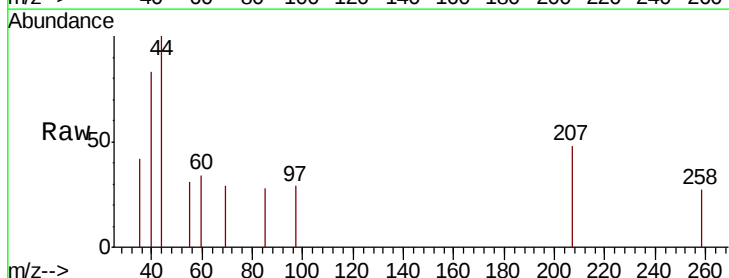
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 93.9 47.4 71.0#

99 0.0 53.2 79.8#

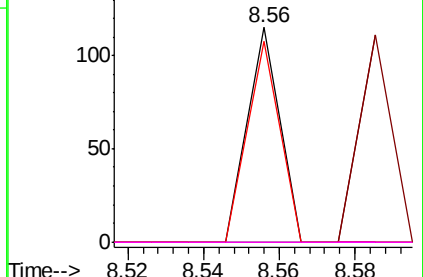
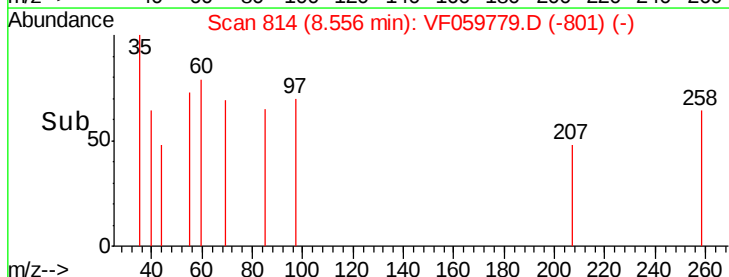


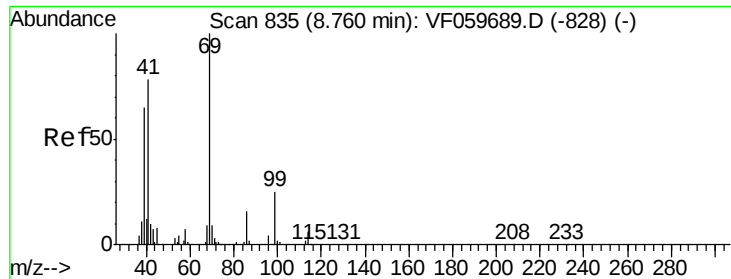
Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 1.15 ug/l

RT: 8.82 min Scan# 841

Delta R.T. 0.06 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

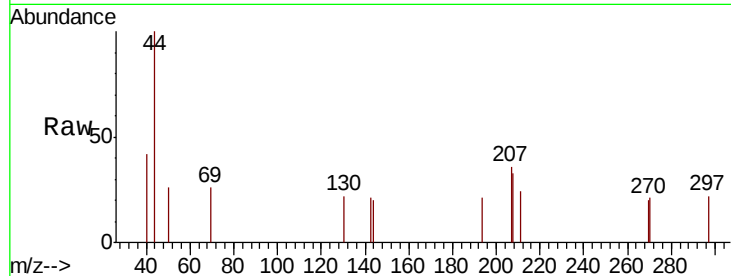
Tot Ion: 69 Resp: 77

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

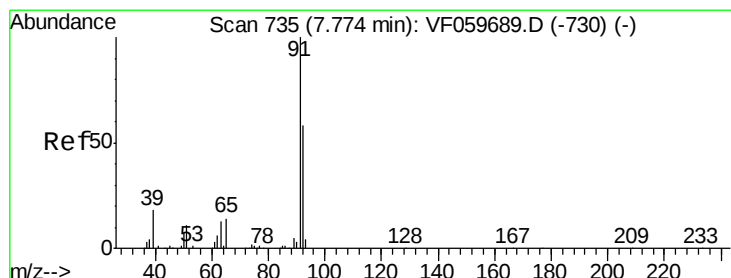
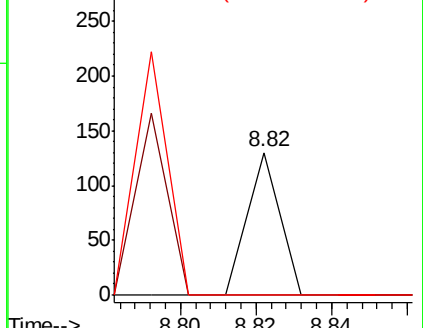
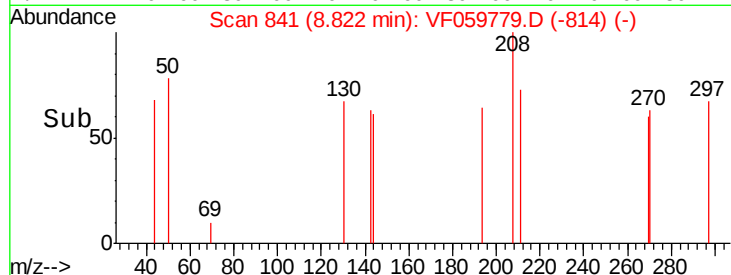
39 0.0 52.4 78.6#



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



#58

2-Chloroethyl Vinyl ether

Concen: 8.40 ug/l

RT: 7.62 min Scan# 719

Delta R.T. -0.15 min

Lab File: VF059779.D

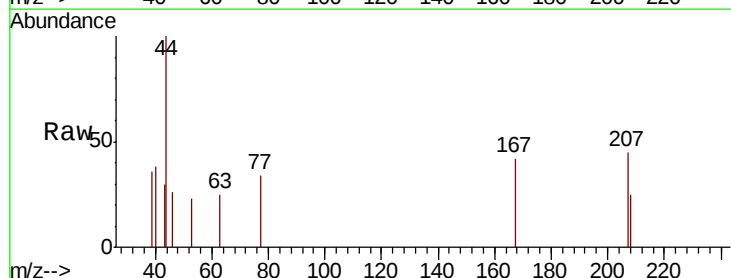
Acq: 2 Aug 2018 3:56

Tgt Ion: 63 Resp: 65

Ion Ratio Lower Upper

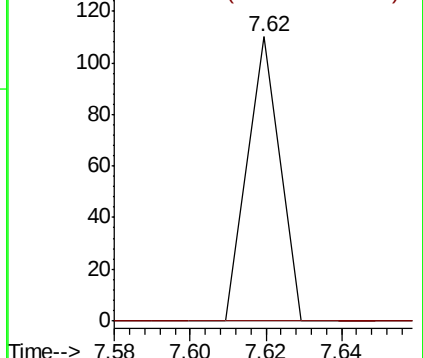
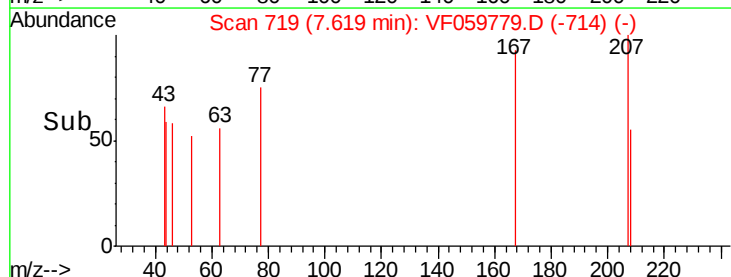
63 100

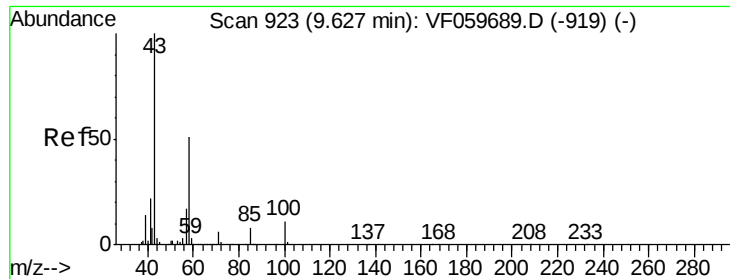
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

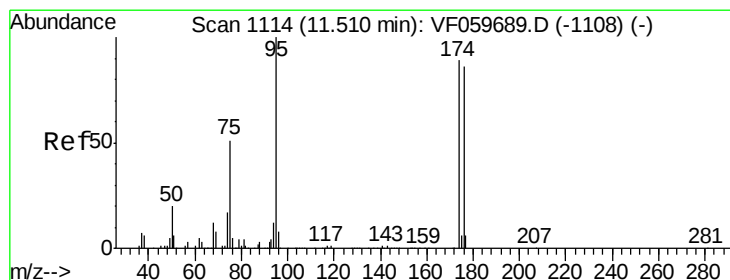
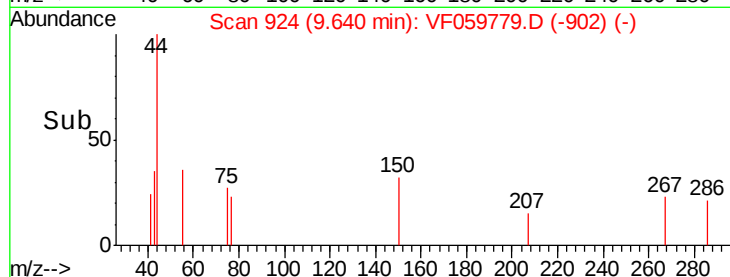
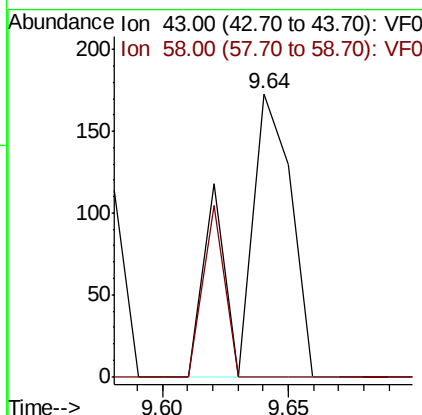
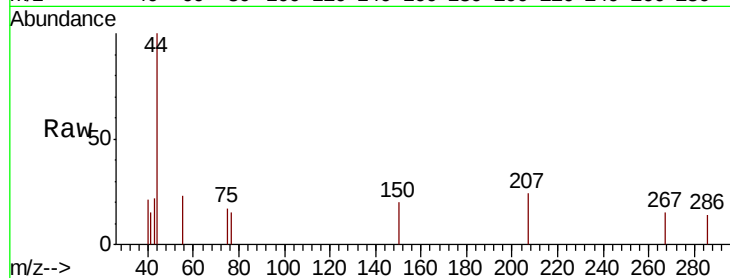




#59
2-Hexanone
Concen: 5.81 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

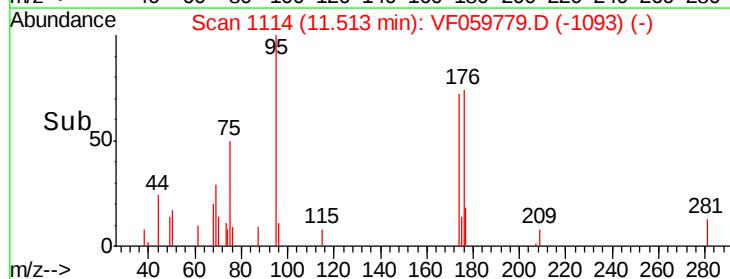
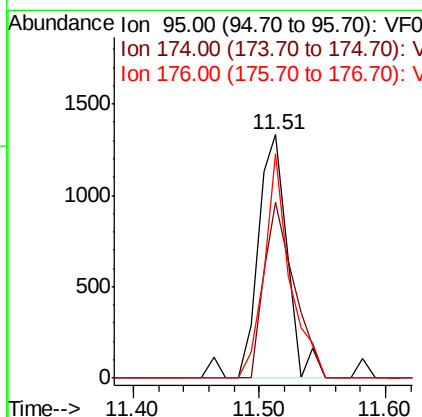
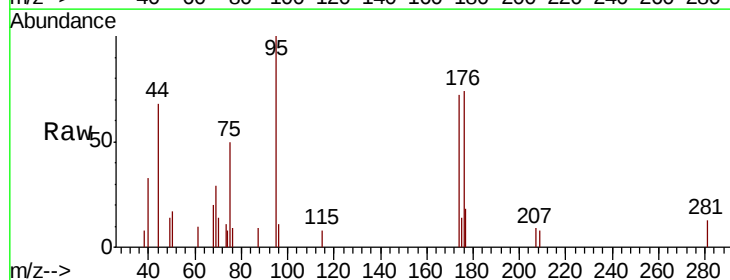
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

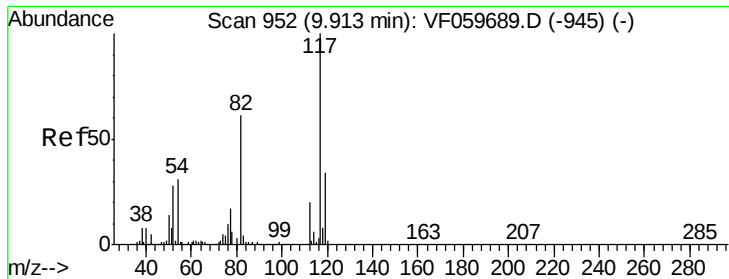
Tot Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 13.82 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

Tgt Ion: 95 Resp: 2178
Ion Ratio Lower Upper
95 100
174 72.1 0.0 178.4
176 92.1 0.0 173.0

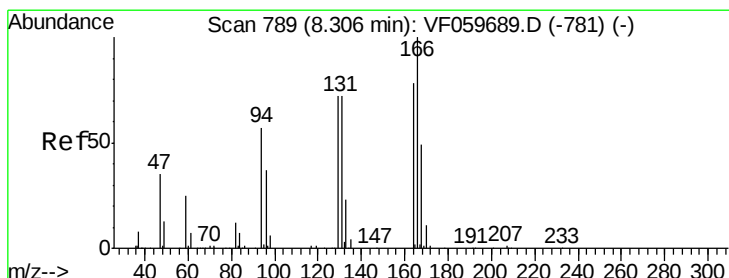
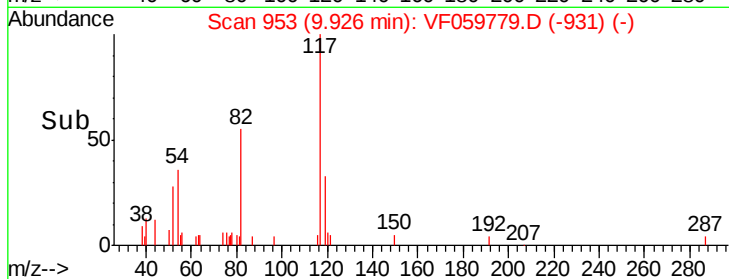
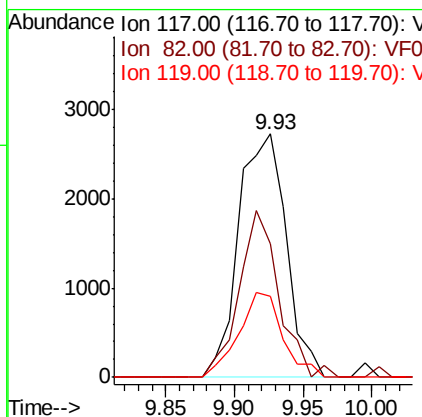
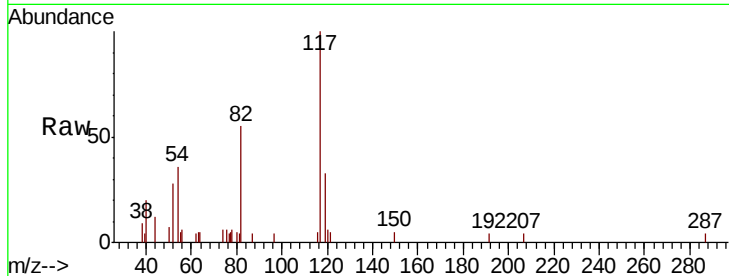




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

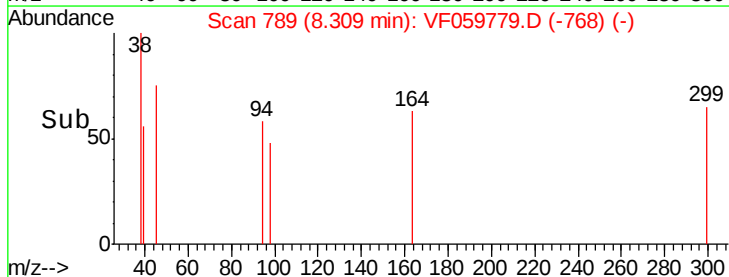
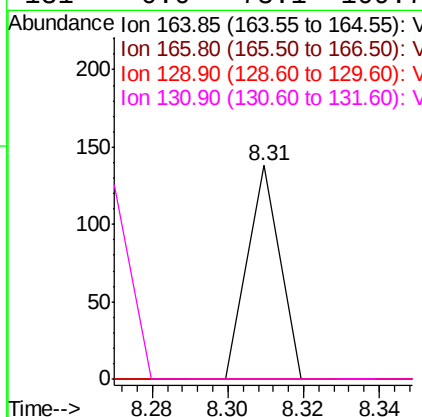
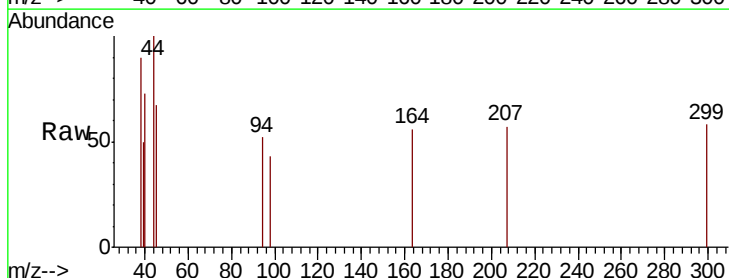
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

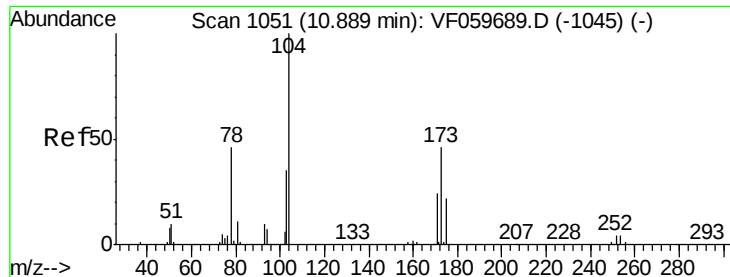
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	49.0	73.4
119	33.1	27.3	40.9



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	102.1	153.1#
129	0.0	73.8	110.6#
131	0.0	73.1	109.7#





#71

Bromoform

Concen: 1.53 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampled :

SB-4(7-9)

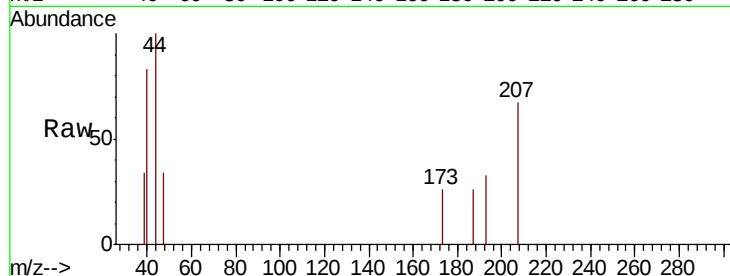
Tot Ion:173 Resp: 61

Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.0#

254 0.0 0.0 0.0

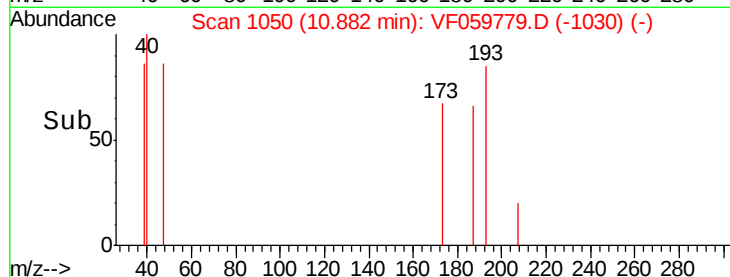


Abundance Ion 173.00 (172.70 to 173.70): V

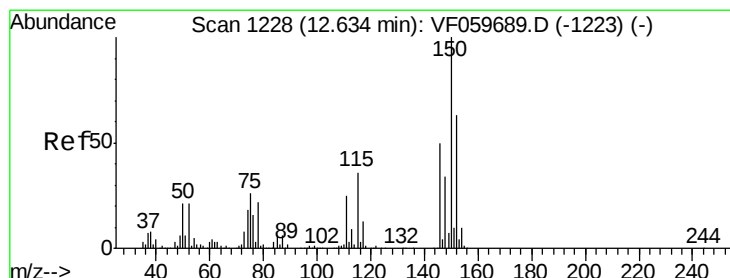
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

10.88



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

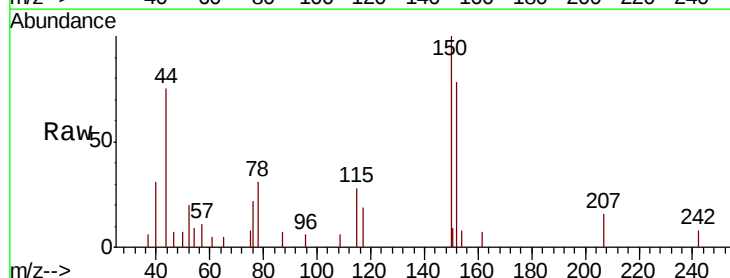
Tgt Ion:152 Resp: 2010

Ion Ratio Lower Upper

152 100

115 35.3 28.2 84.6

150 139.2 0.0 316.2

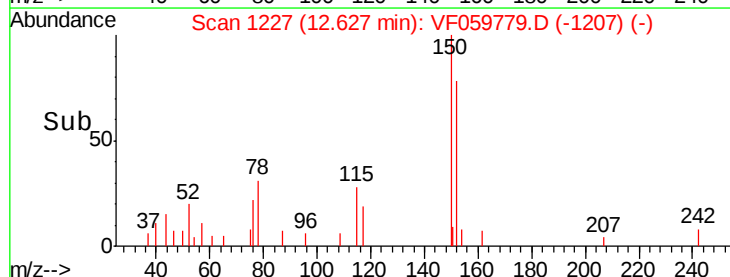


Abundance Ion 152.00 (151.70 to 152.70): V

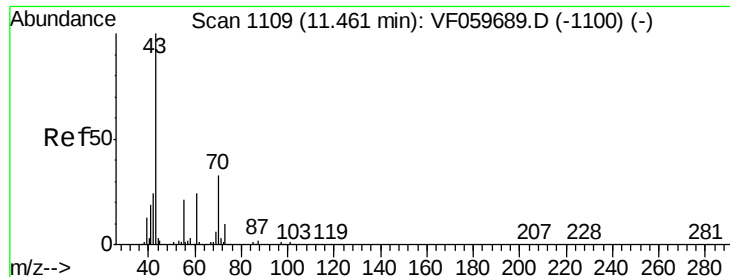
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

12.63



Time-->



#74

N-amvl acetate

Concen: 5.02 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

Tot Ion: 43 Resp: 167

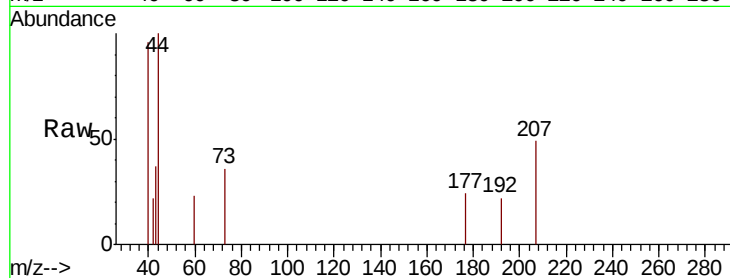
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

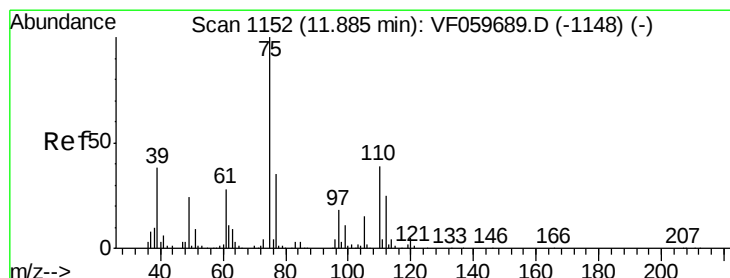
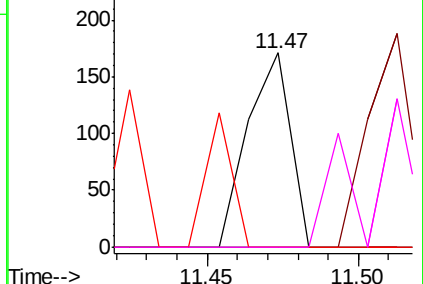
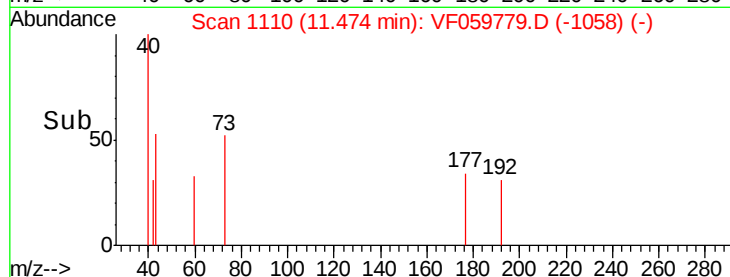


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 3.13 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.05 min

Lab File: VF059779.D

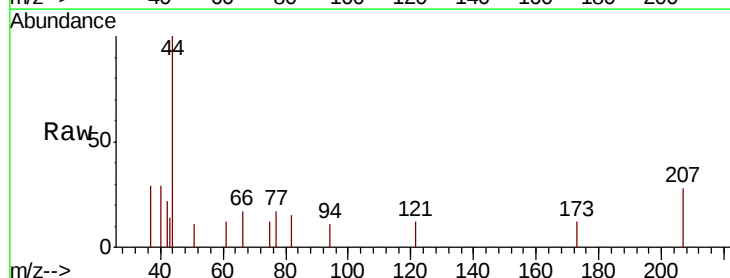
Acq: 2 Aug 2018 3:56

Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

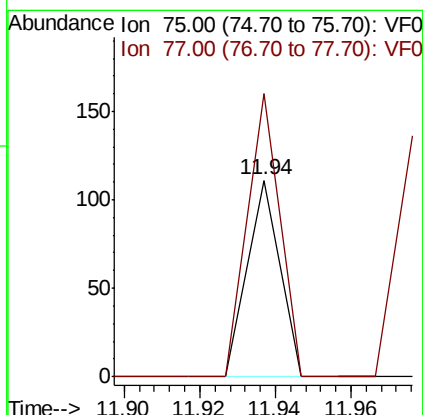
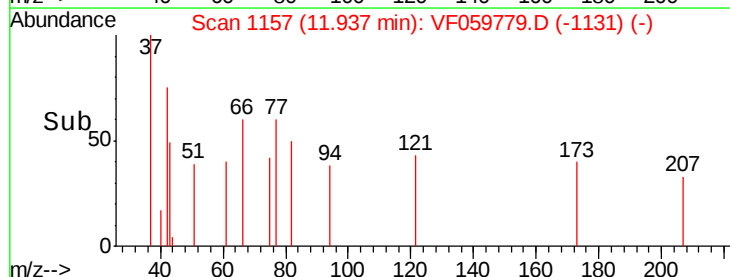
75 100

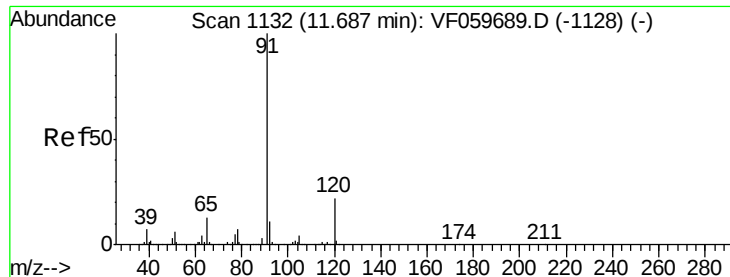
77 144.1 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: Below Cal

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

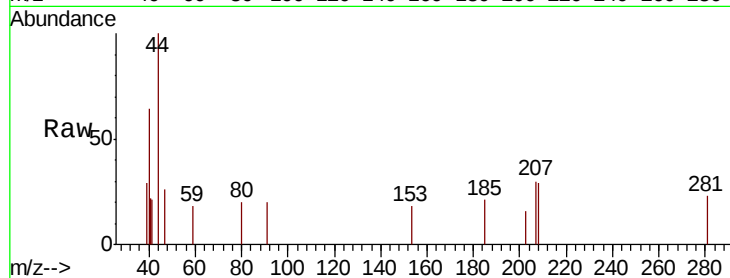
SB-4(7-9)

Tot Ion: 91 Resp: 72

Ion Ratio Lower Upper

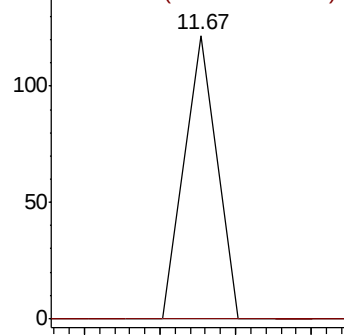
91 100

120 0.0 11.0 33.0#

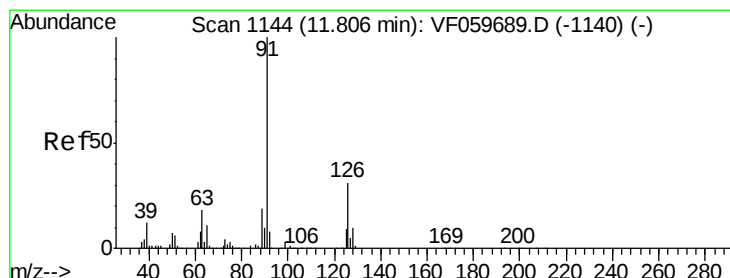
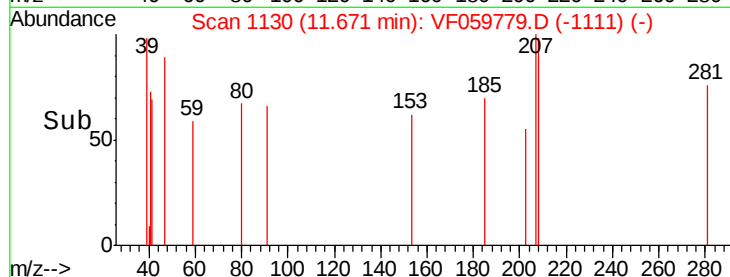


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.67 min Scan# 1130

Delta R.T. -0.13 min

Lab File: VF059779.D

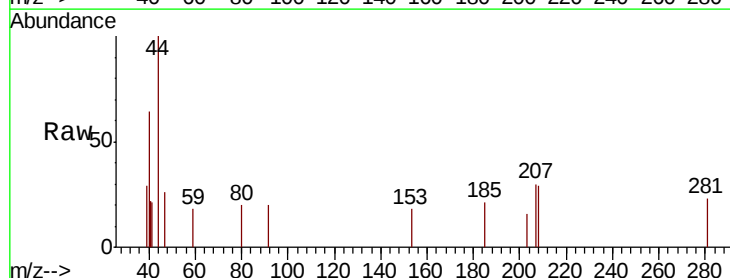
Acq: 2 Aug 2018 3:56

Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

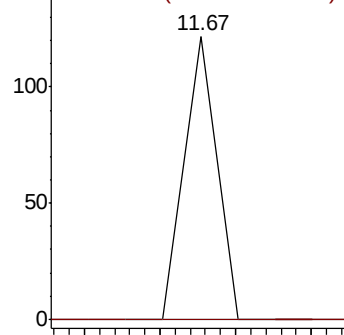
91 100

126 0.0 15.4 46.2#

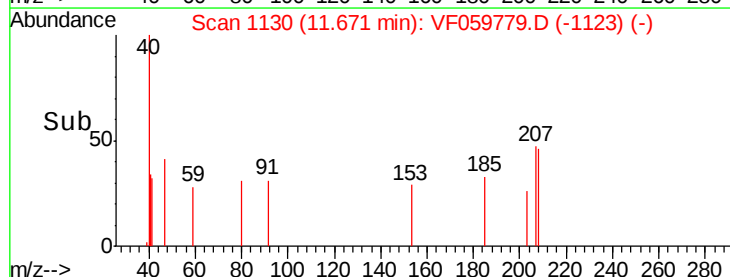


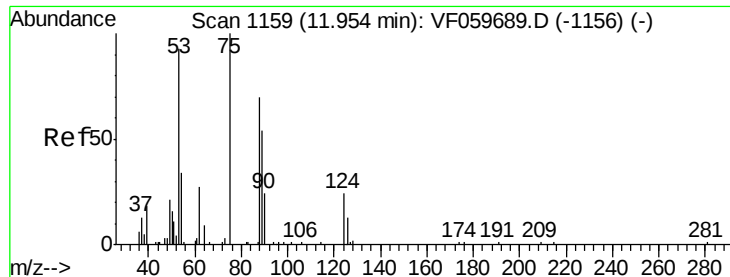
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 7.55 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

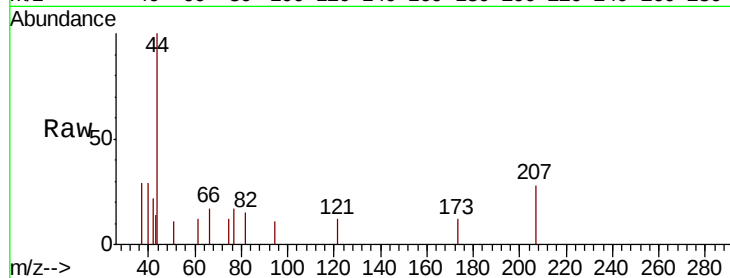
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

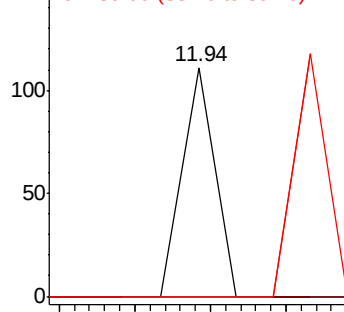
89 0.0 45.4 68.2#



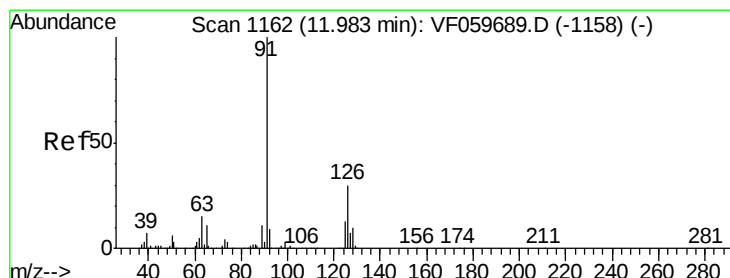
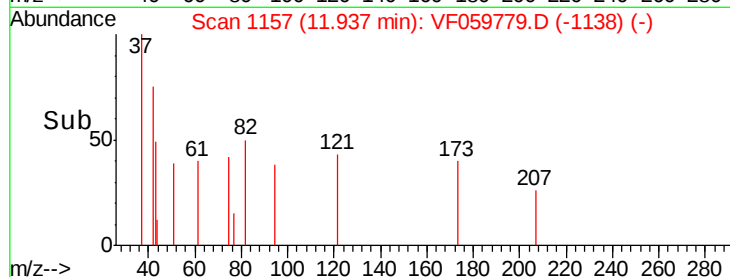
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.01 min Scan# 1164

Delta R.T. 0.02 min

Lab File: VF059779.D

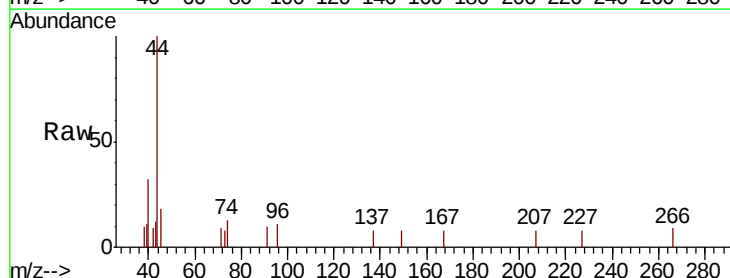
Acq: 2 Aug 2018 3:56

Tgt Ion: 91 Resp: 74

Ion Ratio Lower Upper

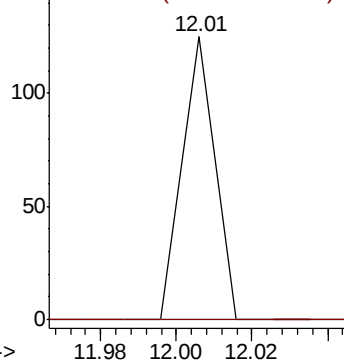
91 100

126 0.0 15.2 45.6#

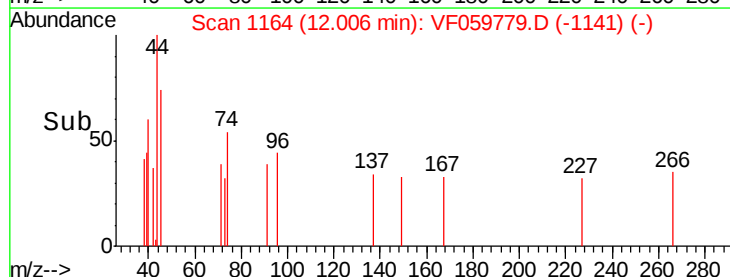


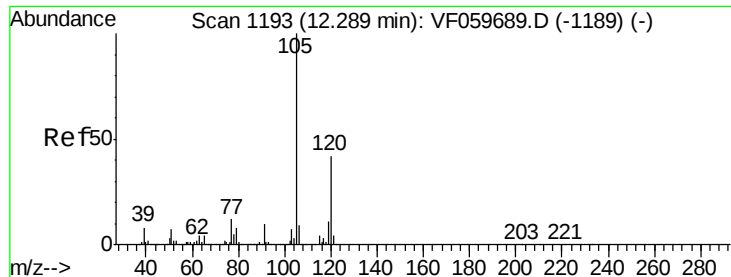
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->

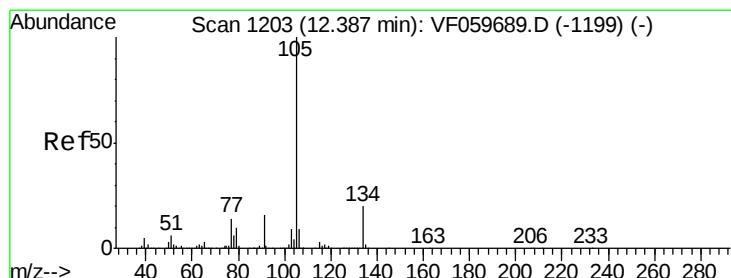
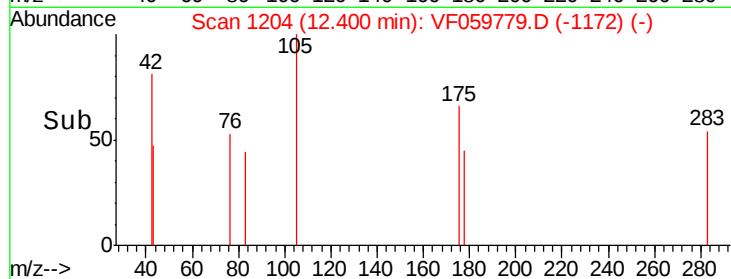
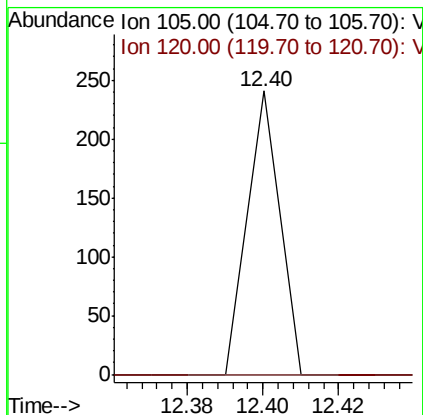
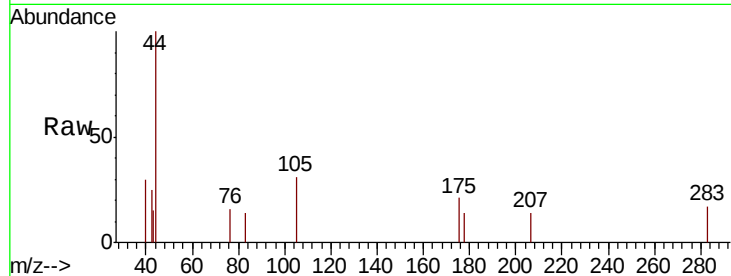




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.11 min
 Lab File: VF059779.D
 Acq: 2 Aug 2018 3:56

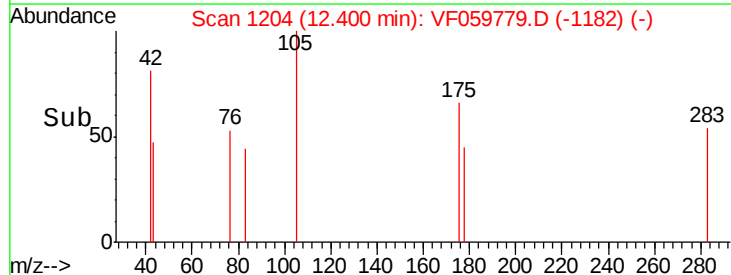
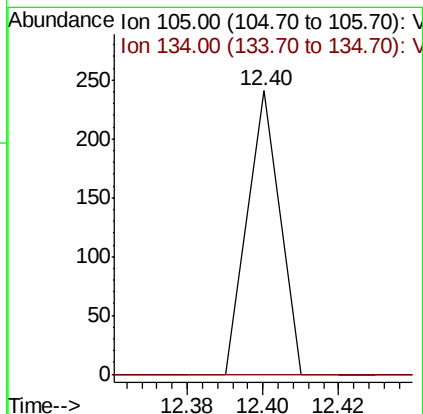
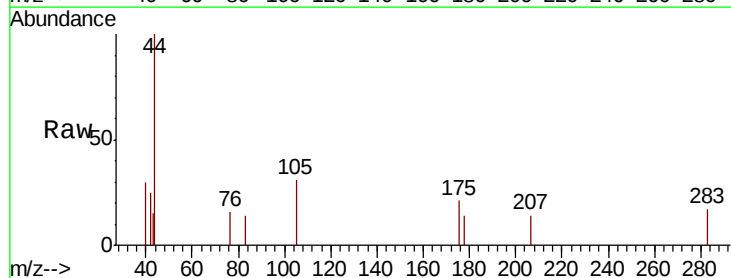
Instrument :
 MSVOA_F
 ClientSampleID :
 SB-4(7-9)

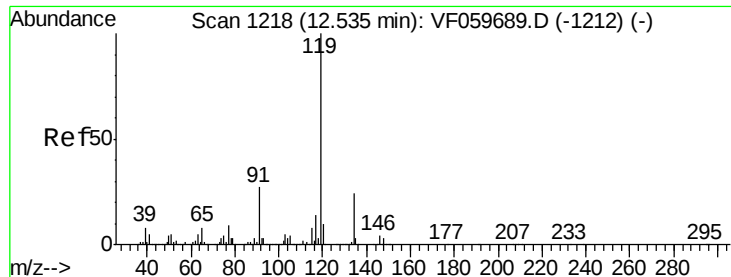
Tot Ion:105 Resp: 142
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059779.D
 Acq: 2 Aug 2018 3:56

Tgt Ion:105 Resp: 142
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#





#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.48 min Scan# 1212

Delta R.T. -0.06 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampled :

SB-4(7-9)

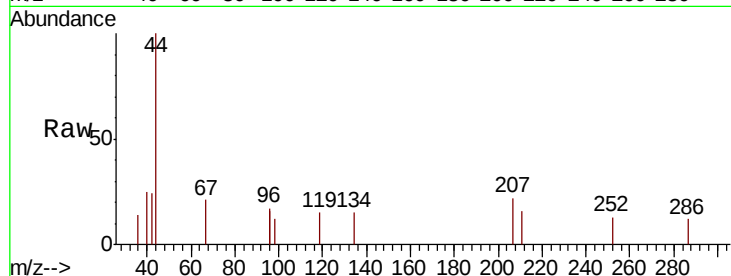
Tot Ion:119 Resp: 81

Ion Ratio Lower Upper

119 100

134 102.9 12.2 36.6#

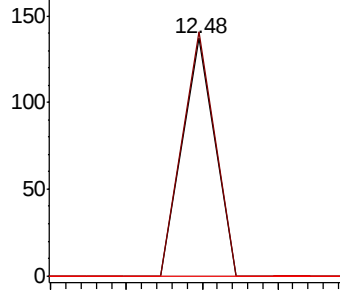
91 0.0 13.4 40.2#



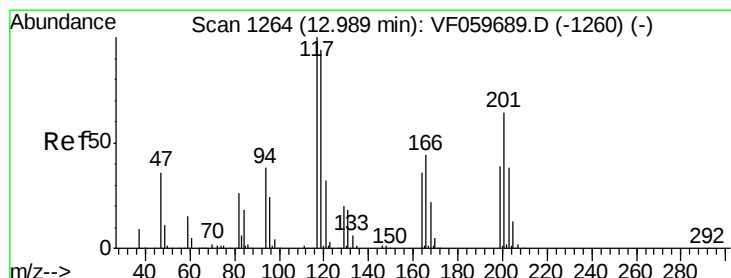
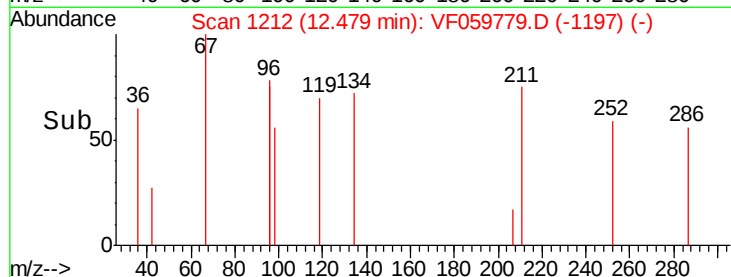
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time--> 12.44 12.46 12.48 12.50



#90

Hexachloroethane

Concen: 2.59 ug/l

RT: 12.82 min Scan# 1247

Delta R.T. -0.16 min

Lab File: VF059779.D

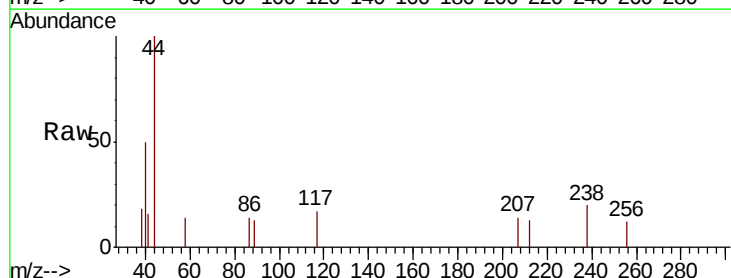
Acq: 2 Aug 2018 3:56

Tgt Ion:117 Resp: 86

Ion Ratio Lower Upper

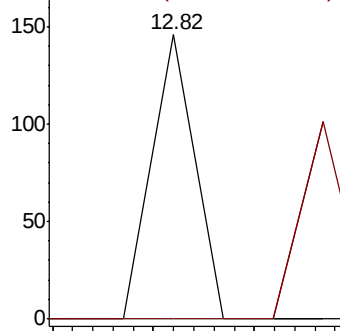
117 100

201 0.0 31.9 95.5#

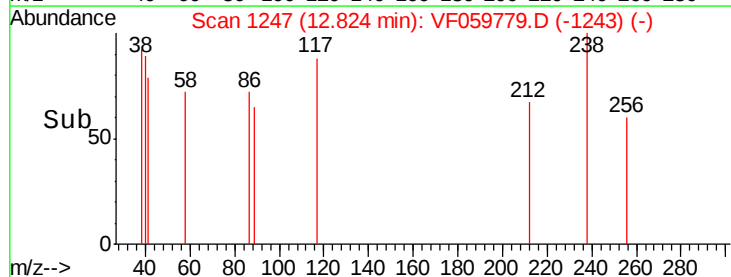


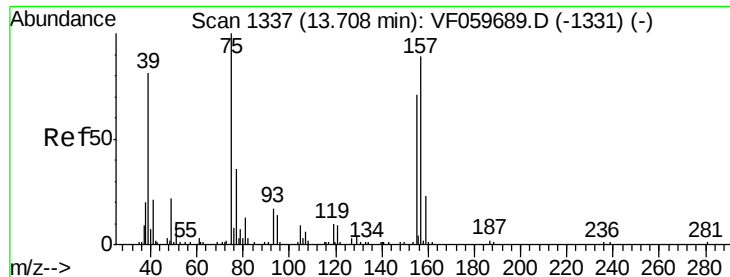
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



Time--> 12.80 12.82 12.84





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.38 ug/l

RT: 13.79 min Scan# 1345

Delta R.T. 0.08 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampled :

SB-4(7-9)

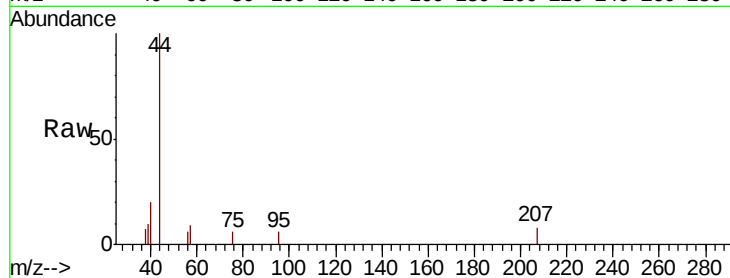
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

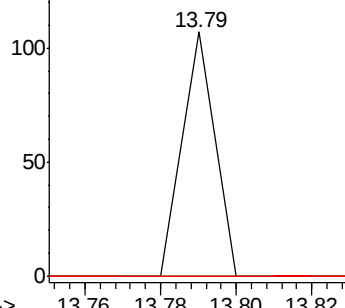
157 0.0 44.4 133.2#



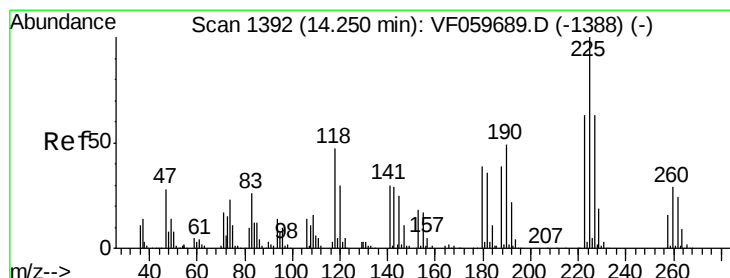
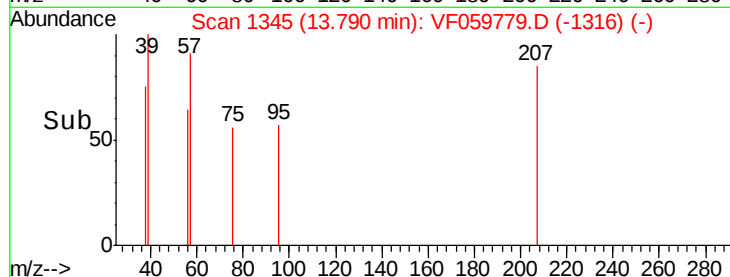
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->



#94

Hexachlorobutadiene

Concen: 2.15 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

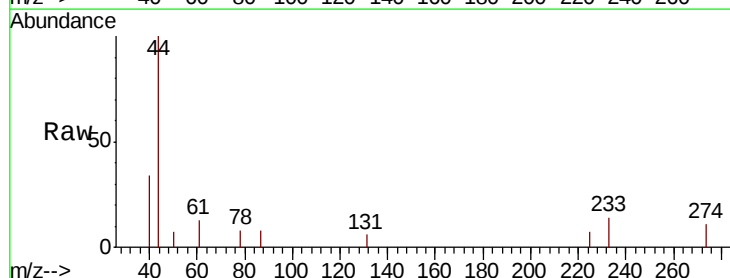
Tgt Ion: 225 Resp: 71

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

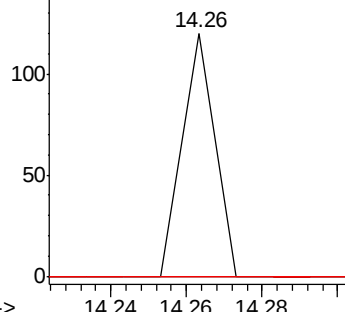
227 0.0 31.5 94.5#



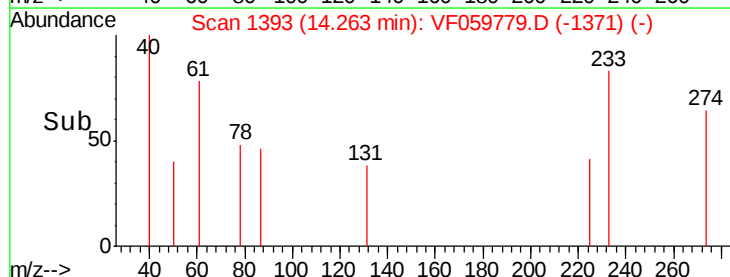
Abundance Ion 225.00 (224.70 to 225.70): V

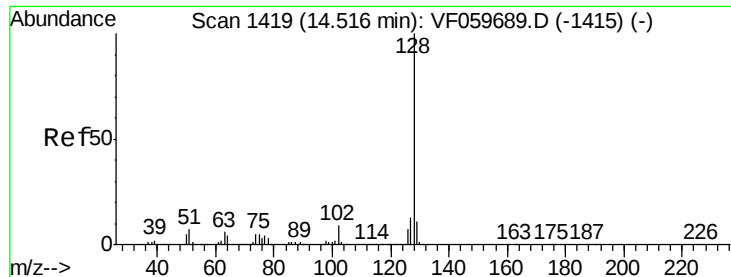
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time-->





#95

Naphthalene

Concen: 3.74 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Instrument :

MSVOA_F

ClientSampled :

SB-4(7-9)

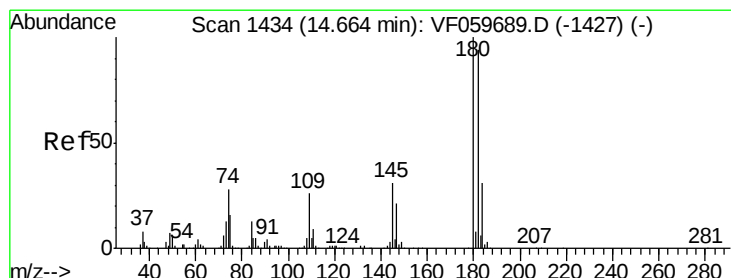
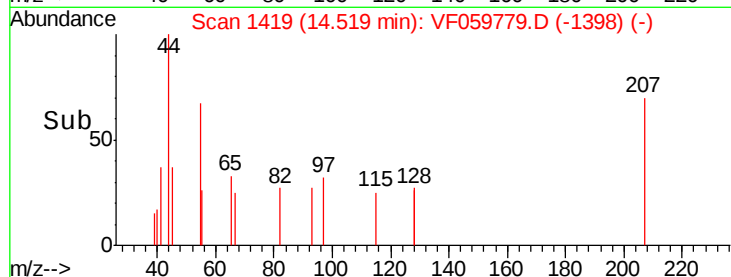
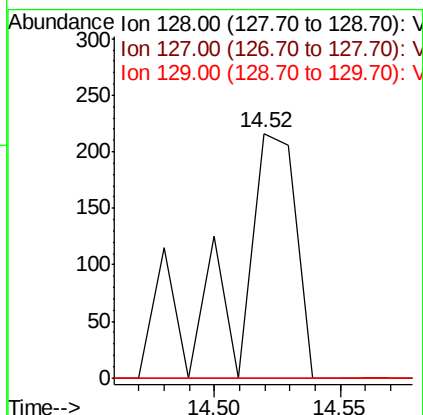
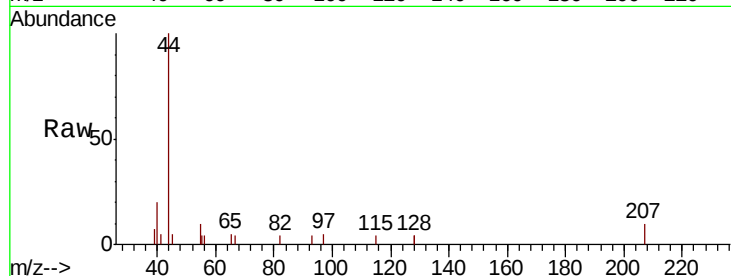
Tot Ion:128 Resp: 324

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.27 ug/l

RT: 14.76 min Scan# 1443

Delta R.T. 0.09 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

Tgt Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 0.0 15.6 46.7#

