

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						
33) 1,2-Dichloroethane-d4	5.03	65	3138	11.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	23.52%	
35) Dibromofluoromethane	4.28	113	3832	31.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.78%	
50) Toluene-d8	7.71	98	10728	37.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.38%	
62) 4-Bromofluorobenzene	11.51	95	2178	13.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.64%	

Target Compounds			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	4.516	ug/l #	74
13) Acrolein	2.08	56	84	30.015	ug/l #	4
15) Acrylonitrile	3.09	53	90	5.283	ug/l #	7
16) Acetone	2.32	43	61	1.271	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	1.092	ug/l #	83
25) 2-Butanone	4.49	43	98	1.830	ug/l #	74
28) Bromochloromethane	3.92	49	77	Below Cal	#	15
29) Tetrahydrofuran	4.47	42	67	3.255	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	2.145	ug/l #	24
48) Methyl methacrylate	6.85	41	76	1.438	ug/l #	13
49) 1,4-Dioxane	6.87	88	97	233.846	ug/l #	41
51) 4-Methyl-2-Pentanone	8.43	43	66	1.235	ug/l #	42
52) Toluene	7.70	92	62	Below Cal	#	1
54) cis-1,3-Dichloropropene	7.38	75	170	1.248	ug/l #	18
55) 1,1,2-Trichloroethane	8.56	97	68	1.058	ug/l #	24
56) Ethyl methacrylate	8.82	69	77	1.149	ug/l #	14
58) 2-Chloroethyl Vinyl ether	7.62	63	65	8.398	ug/l	100
59) 2-Hexanone	9.64	43	249	5.812	ug/l #	30
64) Tetrachloroethene	8.31	164	82	Below Cal	#	1
71) Bromoform	10.88	173	61	1.527	ug/l #	30
74) N-amyl acetate	11.47	43	167	5.019	ug/l #	48
76) 1,2,3-Trichloropropane	11.94	75	66	3.126	ug/l #	1

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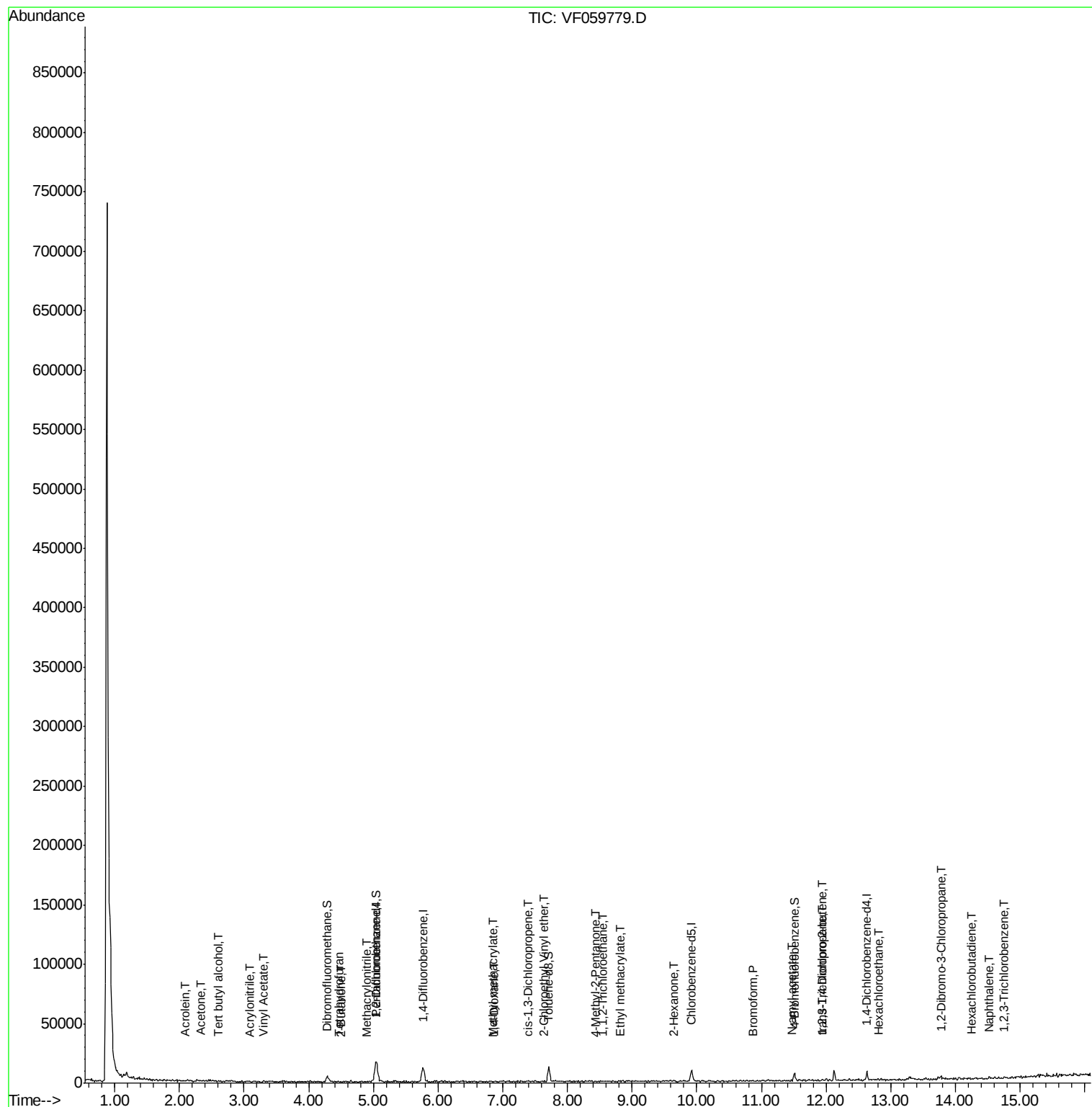
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.67	91	72	Below Cal	#	54
79) 2-Chlorotoluene	11.67	91	72	Below Cal	#	44
81) trans-1,4-Dichloro-2-buten	11.94	75	66	7.549 ug/l	#	9
82) 4-Chlorotoluene	12.01	91	74	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.40	105	142	Below 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	2.585 ug/l	#	18
92) 1,2-Dibromo-3-Chloropropan	13.79	75	63	10.381 ug/l	#	9
94) Hexachlorobutadiene	14.26	225	71	2.154 ug/l	#	19
95) Naphthalene	14.52	128	324	3.739 ug/l	#	70
96) 1,2,3-Trichlorobenzene	14.76	180	61	1.274 ug/l	#	13

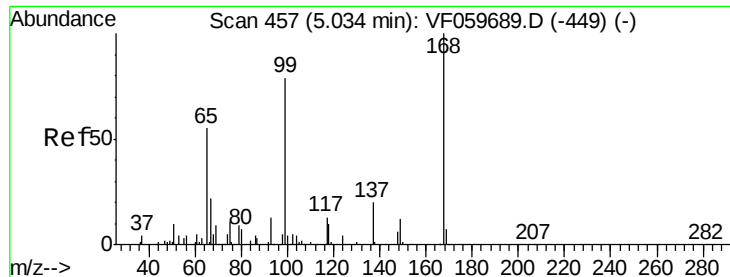
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 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 :

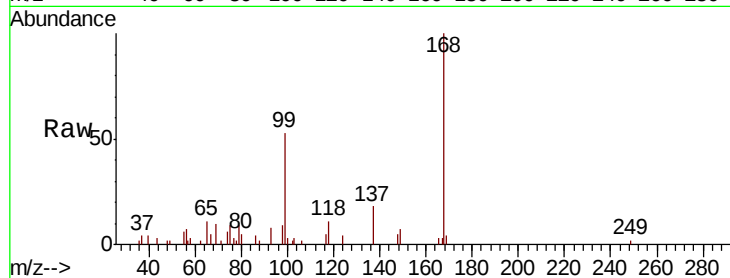
SB-4(7-9)

Tgt 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

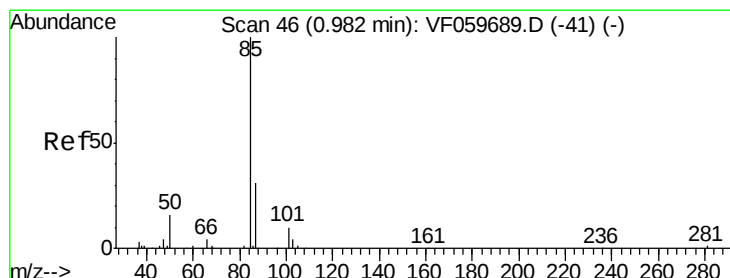
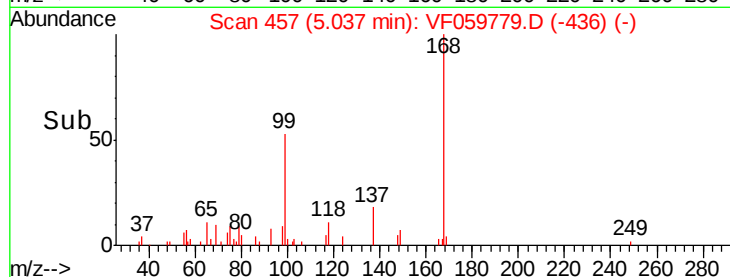
Time-->

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

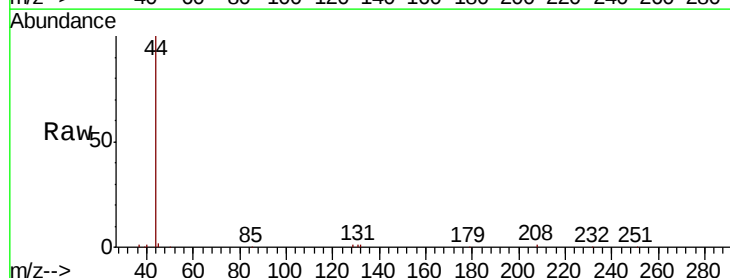
Acq: 2 Aug 2018 3:56

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

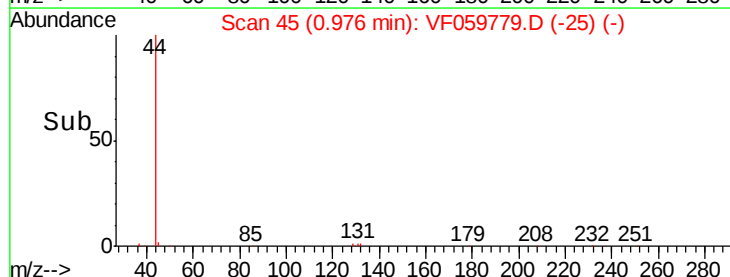
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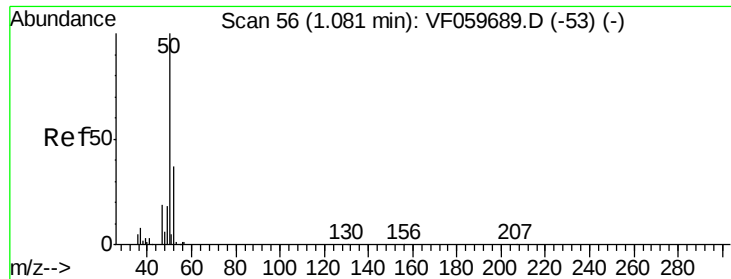
0

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 :

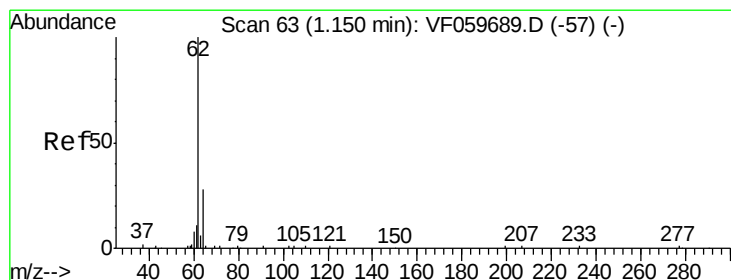
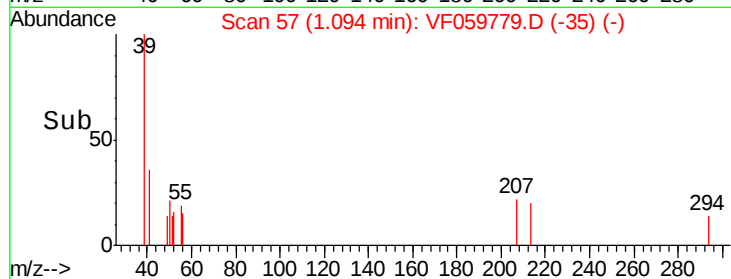
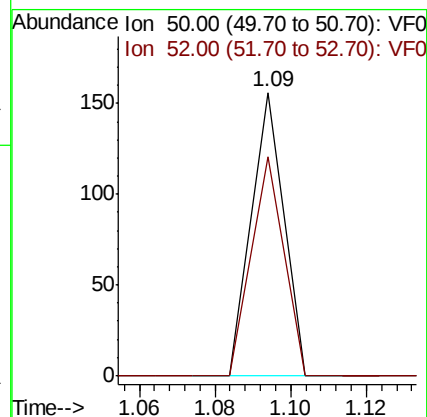
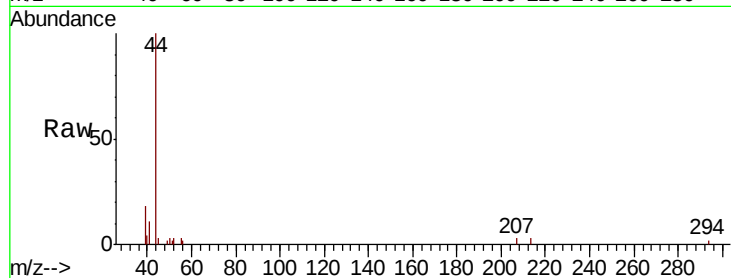
SB-4(7-9)

Tgt Ion: 50 Resp: 92

Ion Ratio Lower Upper

50 100

52 77.6 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059779.D

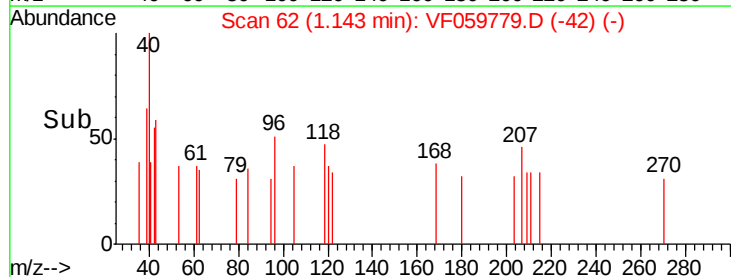
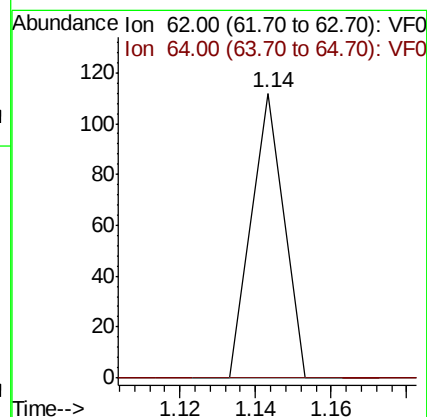
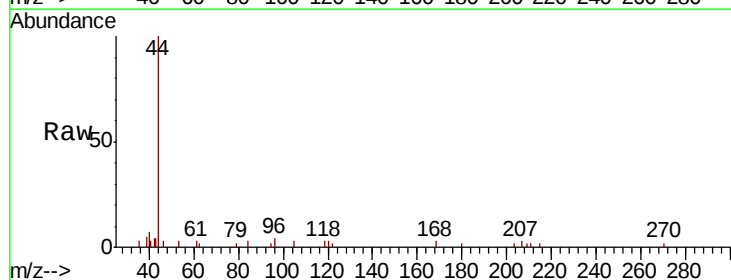
Acq: 2 Aug 2018 3:56

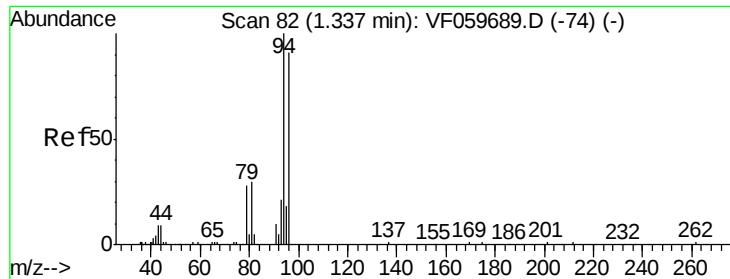
Tgt Ion: 62 Resp: 66

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#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

ClientSampled :

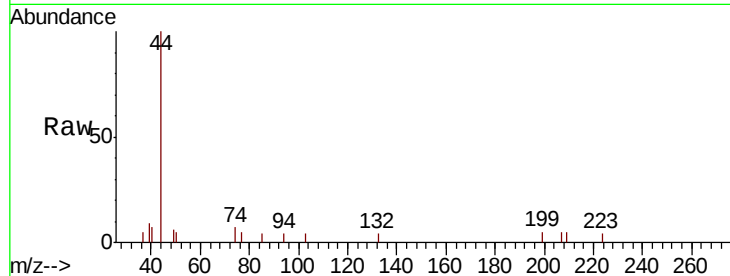
SB-4(7-9)

Tgt Ion: 94 Resp: 70

Ion Ratio Lower Upper

94 100

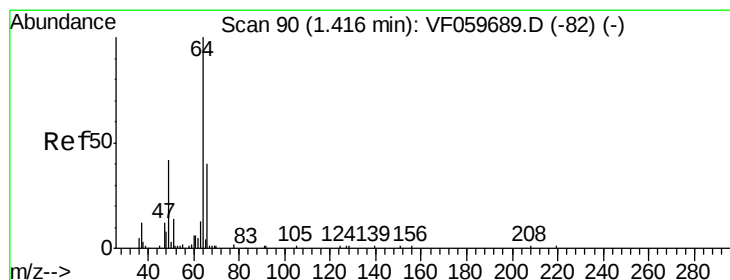
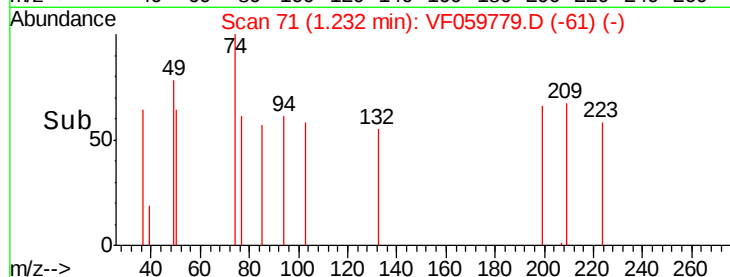
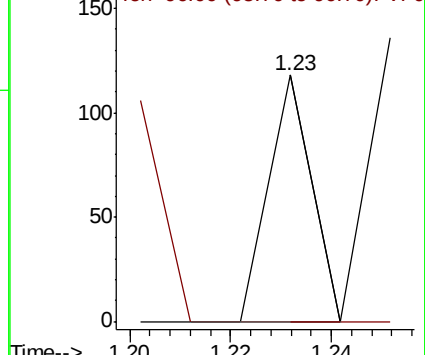
96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.23



#6

Chloroethane

Concen: Below Cal

RT: 1.47 min Scan# 95

Delta R.T. 0.05 min

Lab File: VF059779.D

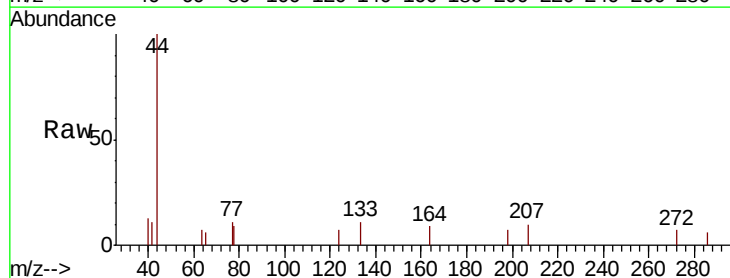
Acq: 2 Aug 2018 3:56

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

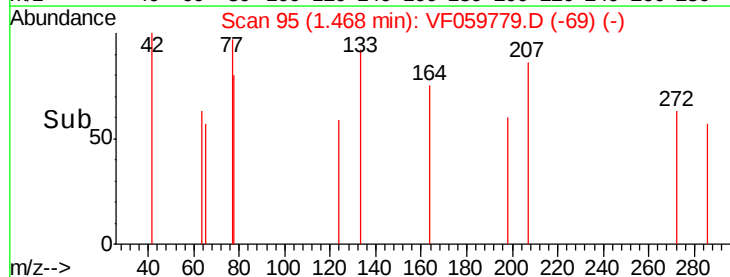
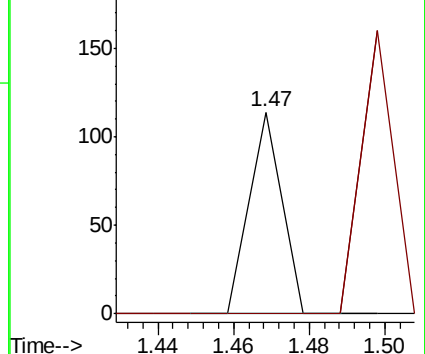
66 0.0 32.6 49.0#

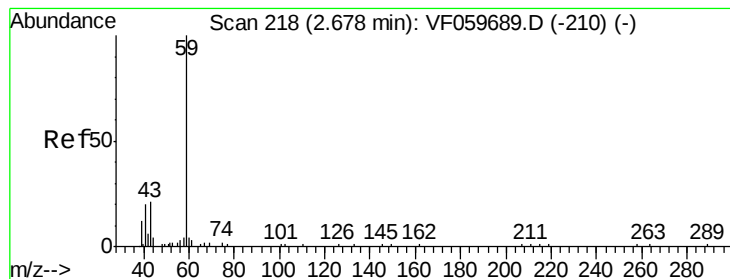


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.47





#11

Tert butyl alcohol

Concen: 4.516 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 :

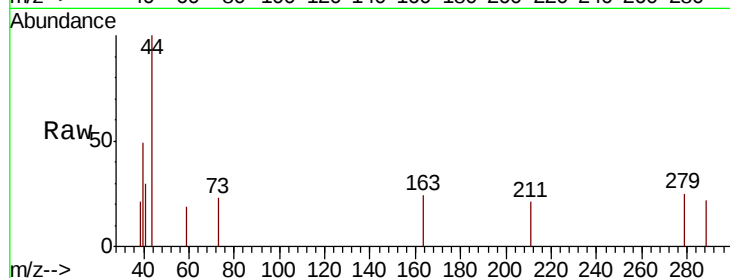
SB-4(7-9)

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.61

120

100

80

60

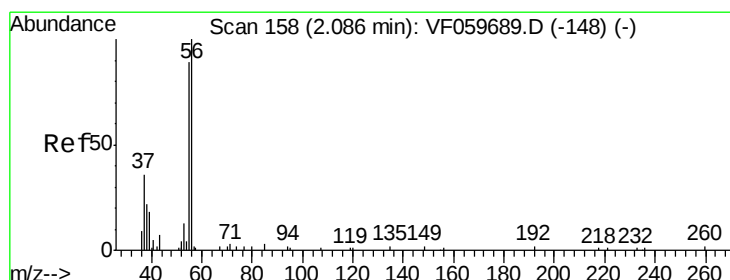
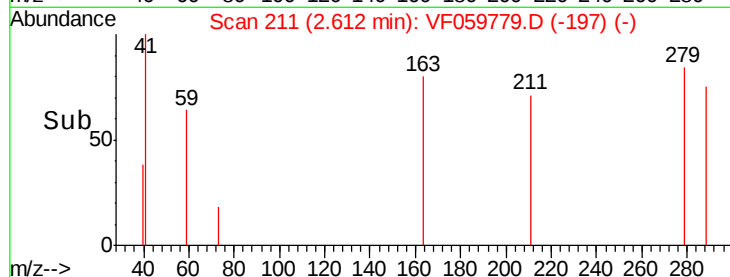
40

20

0

2.58 2.60 2.62 2.64

Time-->



#13

Acrolein

Concen: 30.015 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059779.D

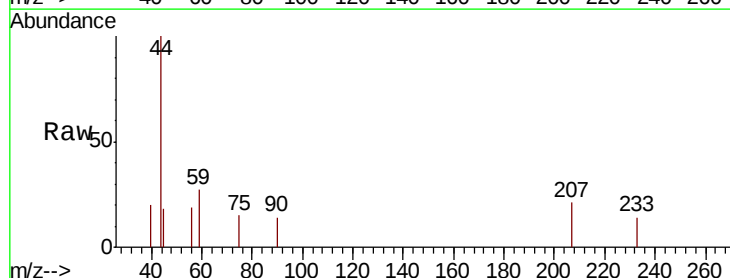
Acq: 2 Aug 2018 3:56

Tgt Ion: 56 Resp: 84

Ion Ratio Lower Upper

56 100

55 0.0 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

150

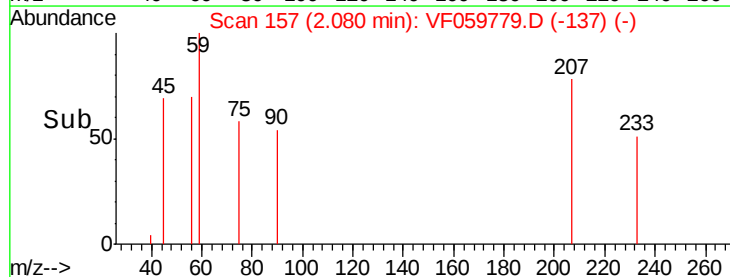
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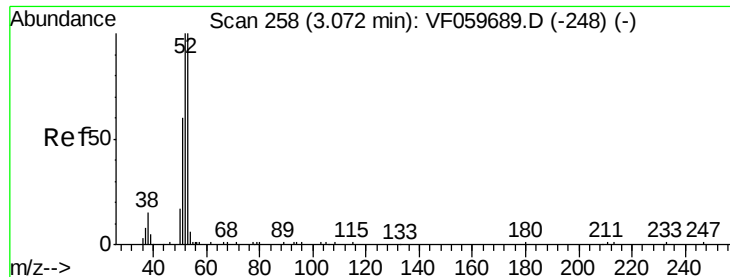
50

0

2.06 2.08 2.10

Time-->





#15

Acrylonitrile

Concen: 5.283 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)

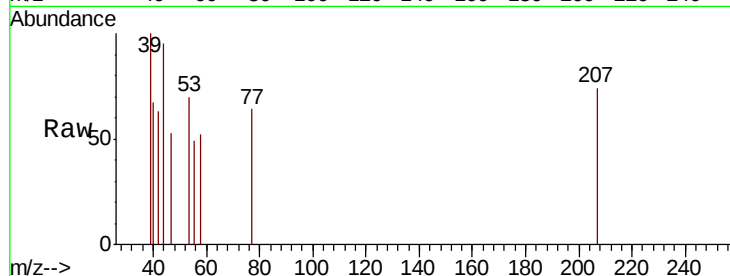
Tgt Ion: 53 Resp: 90

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

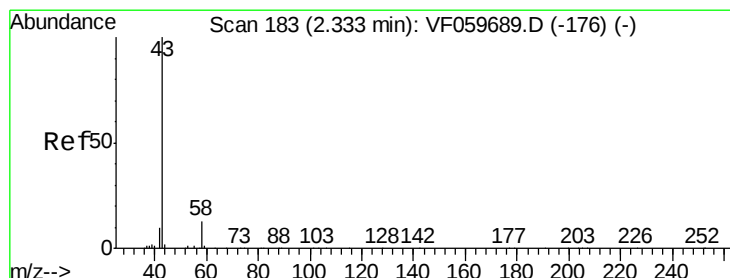
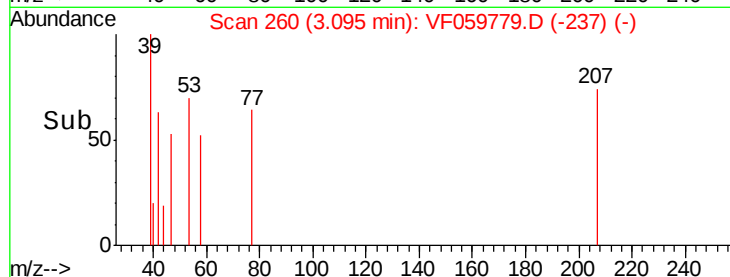
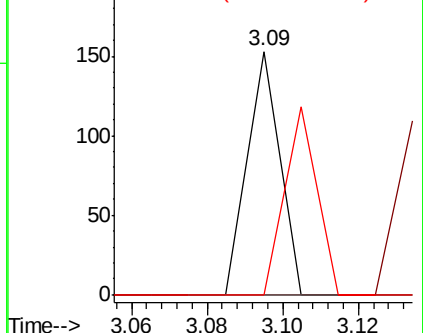
51 0.0 49.4 74.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 1.271 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF059779.D

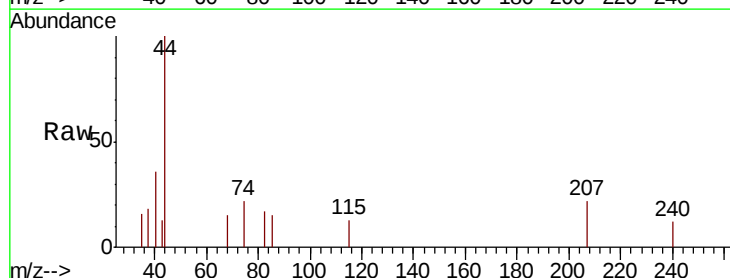
Acq: 2 Aug 2018 3:56

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

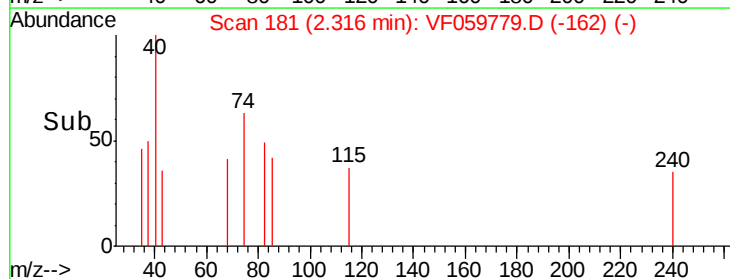
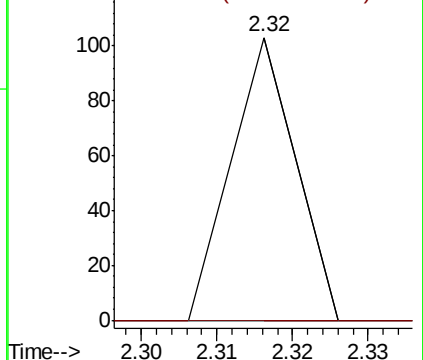
43 100

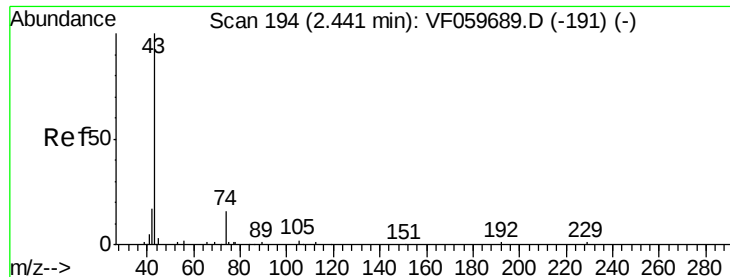
58 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

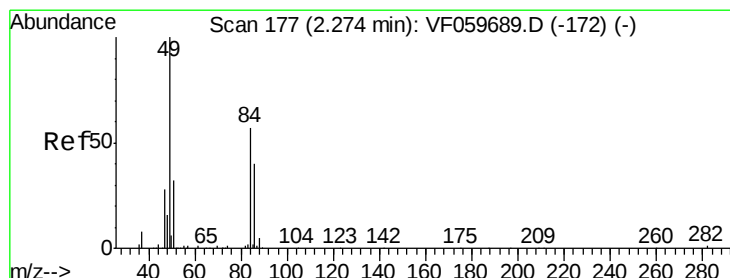
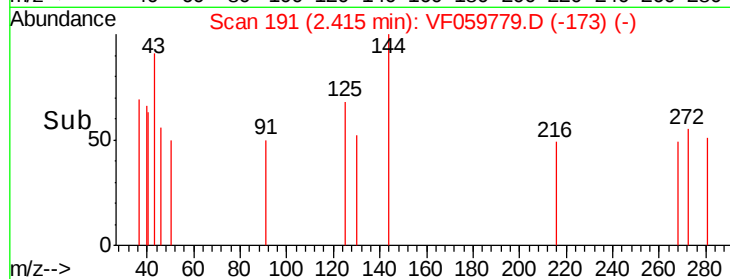
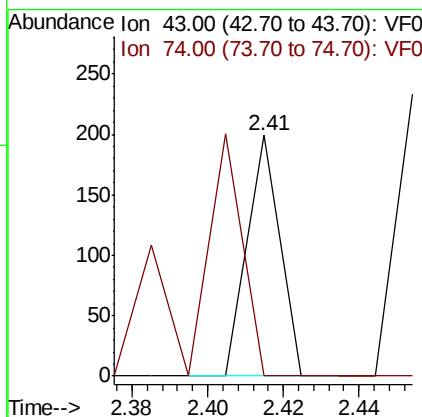
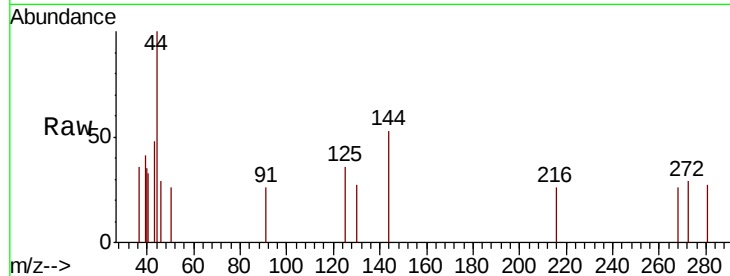




#18
Methyl Acetate
Concen: Below Cal
RT: 2.41 min Scan# 191
Delta R.T. -0.03 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

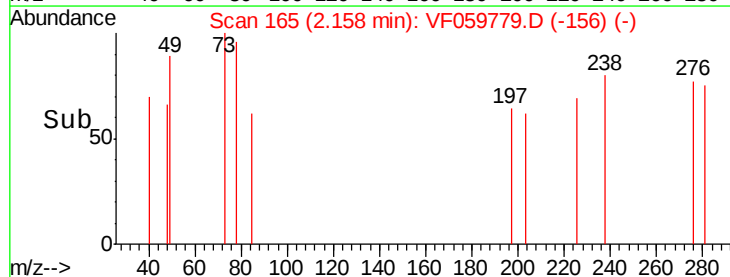
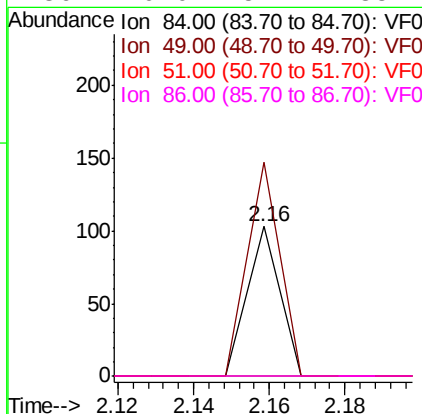
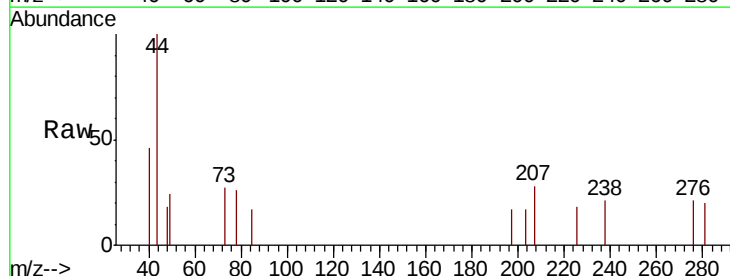
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

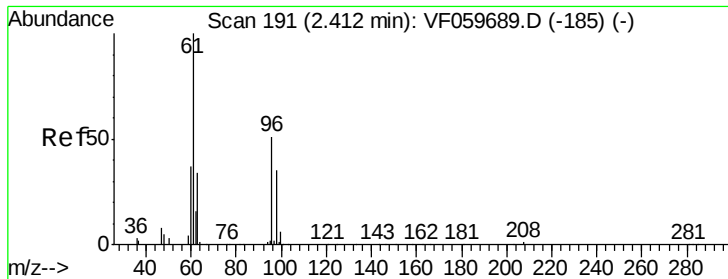
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#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#





#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

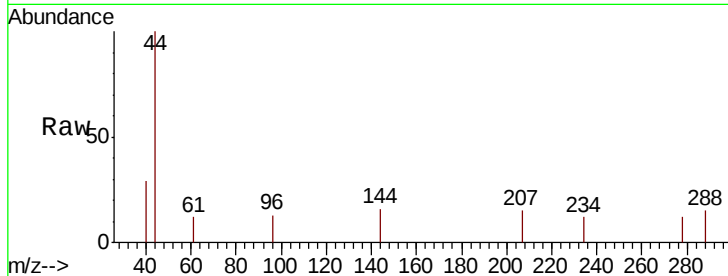
Instrument :

MSVOA_F

ClientSampleId :

SB-4(7-9)

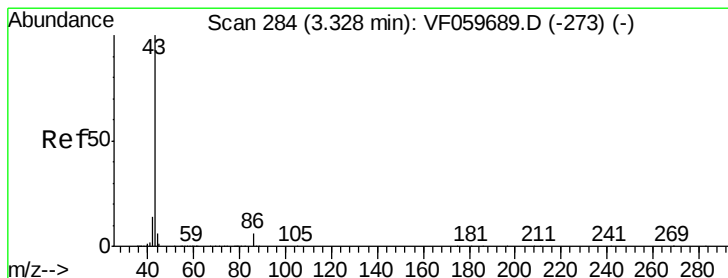
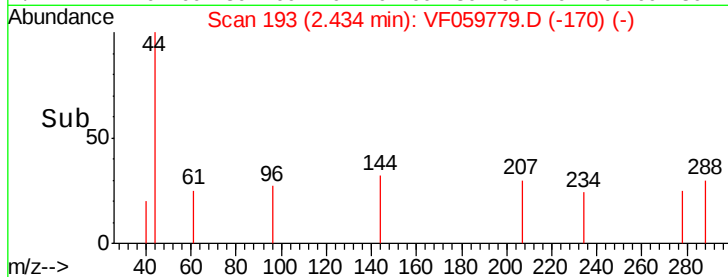
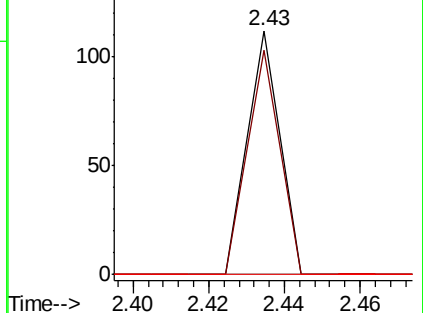
Tgt Ion:	96	Resp:	66
Ion	Ratio	Lower	Upper
96	100		
61	92.0	157.4	236.0#
98	0.0	55.0	82.4#



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: 1.092 ug/l

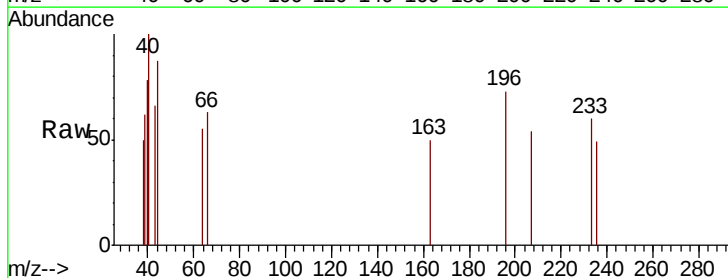
RT: 3.29 min Scan# 280

Delta R.T. -0.04 min

Lab File: VF059779.D

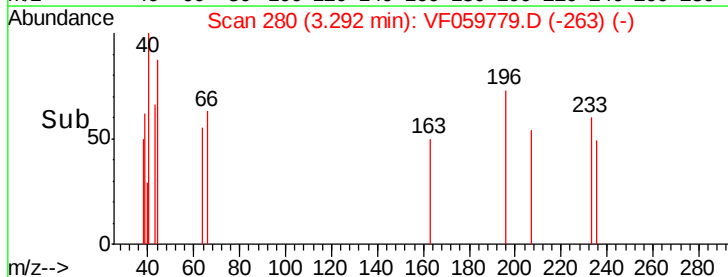
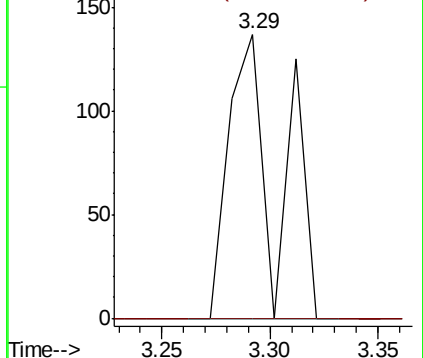
Acq: 2 Aug 2018 3:56

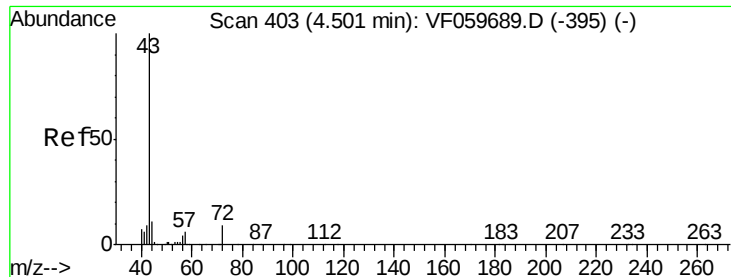
Tgt Ion:	43	Resp:	218
Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.6	6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.830 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 :

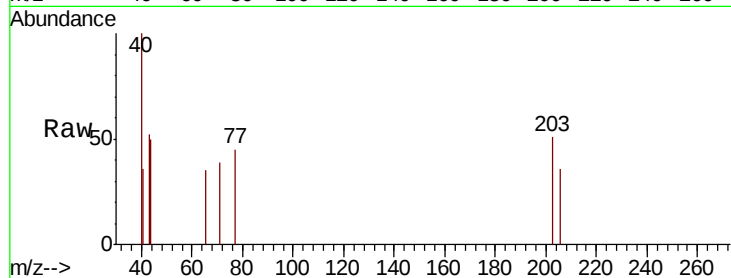
SB-4(7-9)

Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.49

150

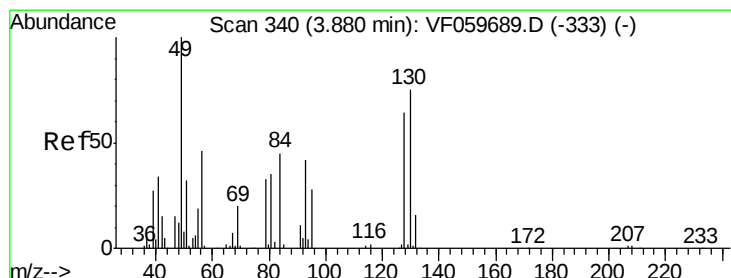
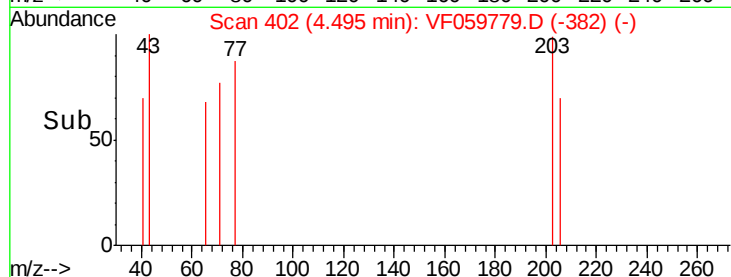
100

50

0

4.46 4.48 4.50 4.52

Time-->



#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

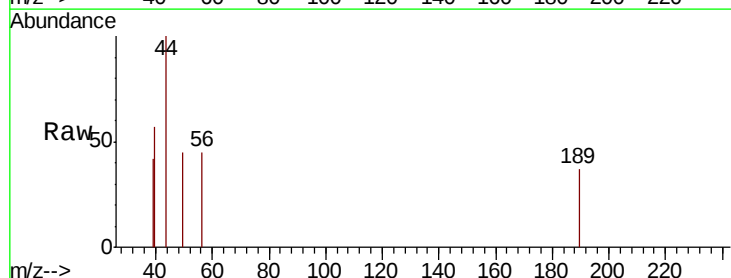
Tgt Ion: 49 Resp: 77

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 0.0 59.6 89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

150

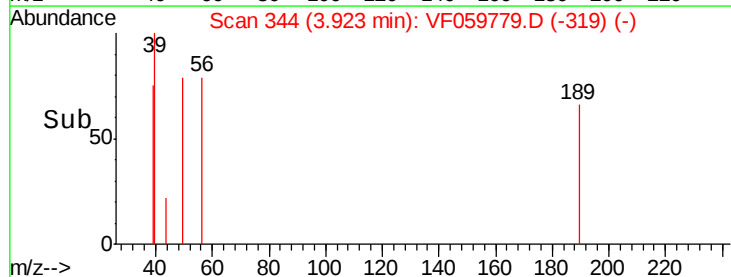
100

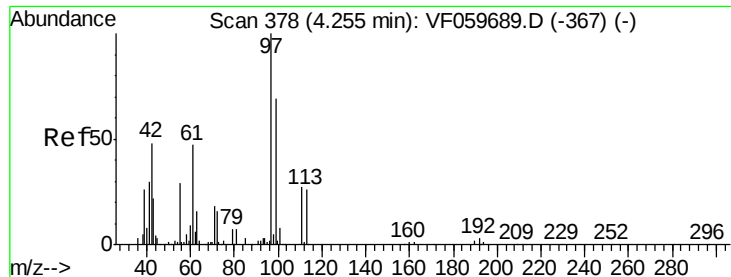
50

0

3.90 3.92 3.94

Time-->





#29

Tetrahydrofuran

Concen: 3.255 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)

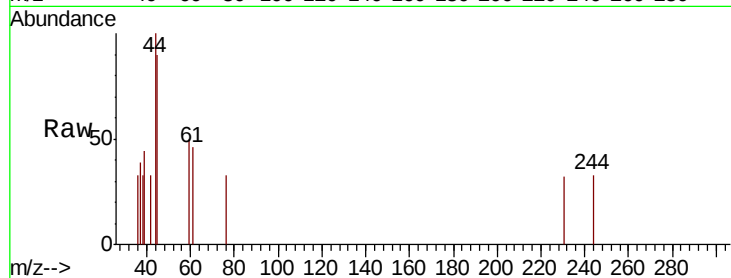
Tgt Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

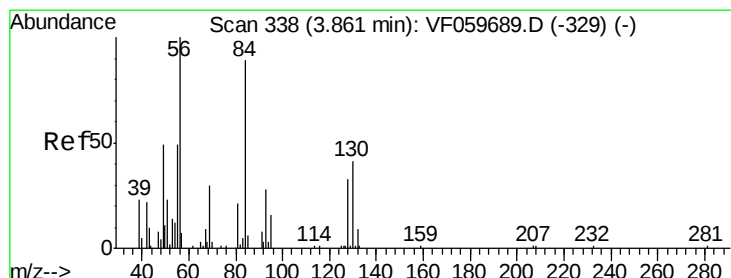
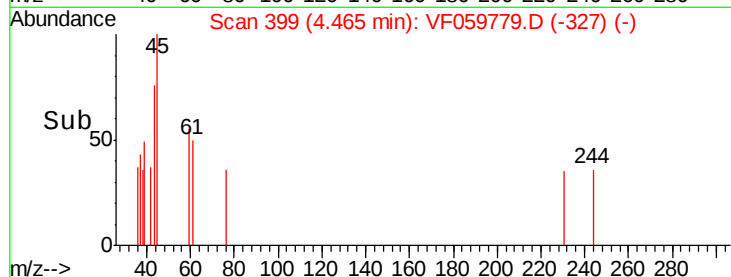
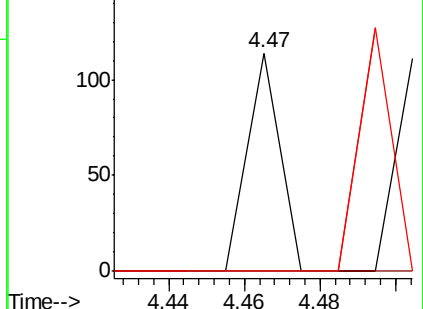
71 0.0 29.7 44.5#



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

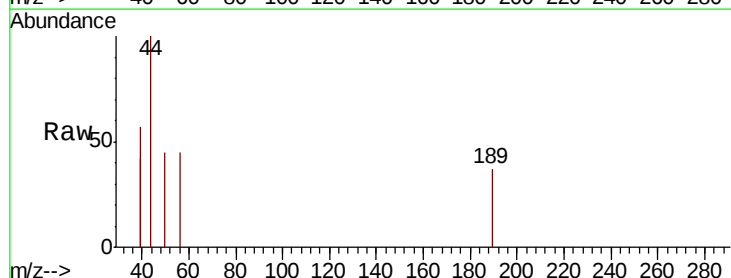
Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

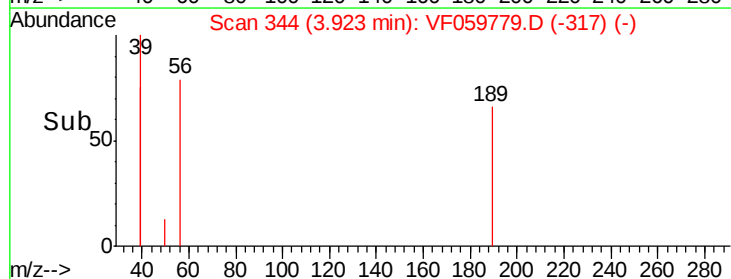
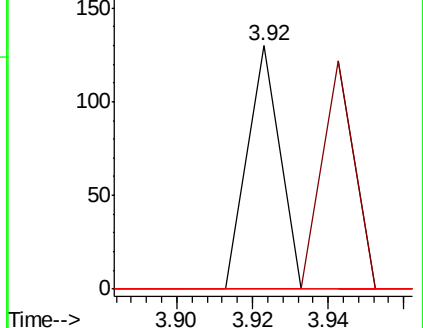
84 0.0 71.1 106.7#

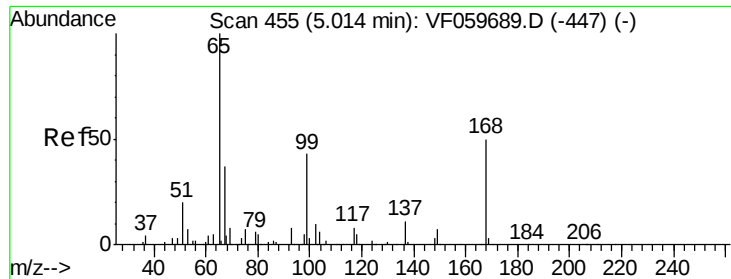


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 11.762 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

ClientSampleId :

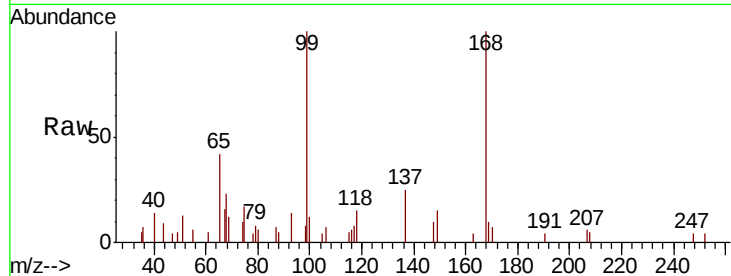
SB-4(7-9)

Tgt Ion: 65 Resp: 3138

Ion Ratio Lower Upper

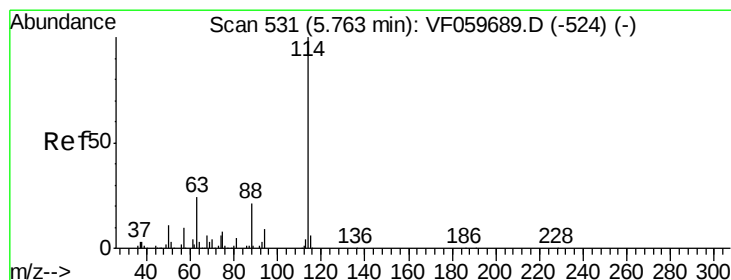
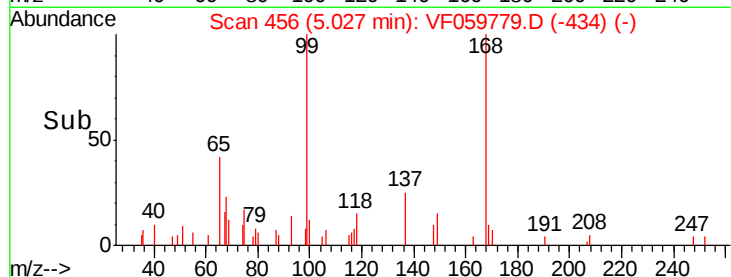
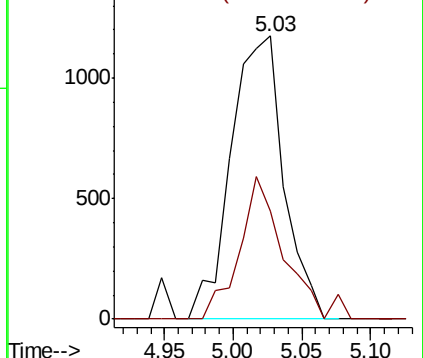
65 100

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: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

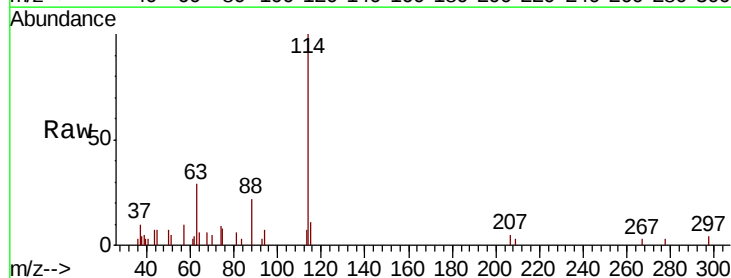
Tgt Ion: 114 Resp: 11753

Ion Ratio Lower Upper

114 100

63 28.7 0.0 47.4

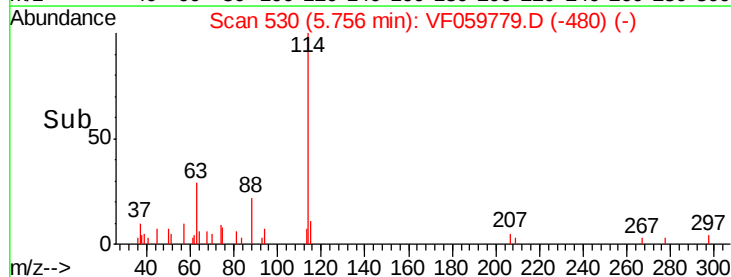
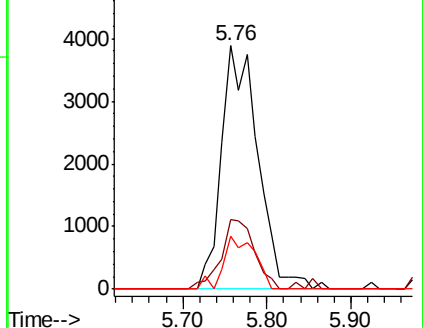
88 21.7 0.0 41.2

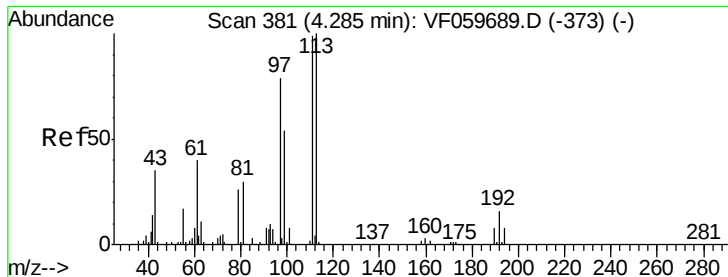


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

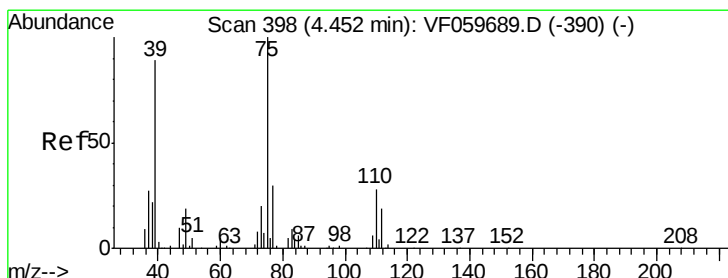
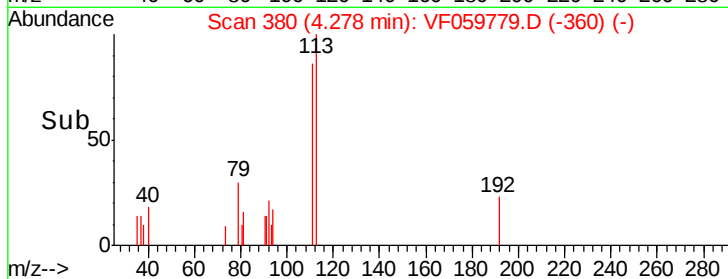
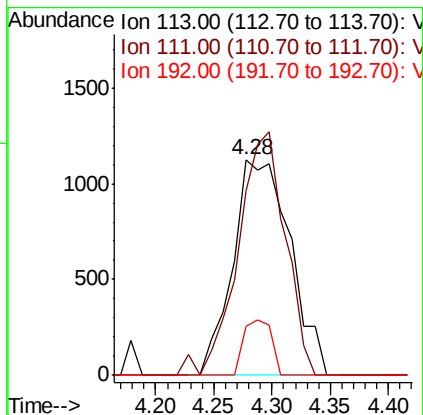
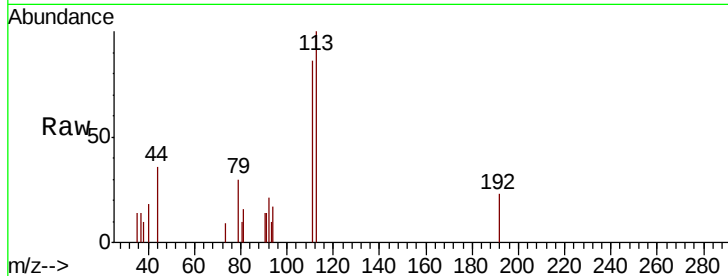




#35
 Dibromofluoromethane
 Concen: 31.391 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VF059779.D
 Acq: 2 Aug 2018 3:56

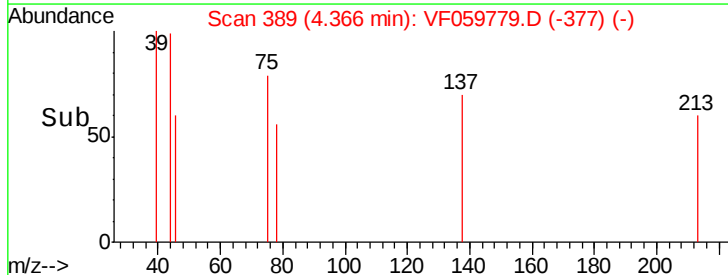
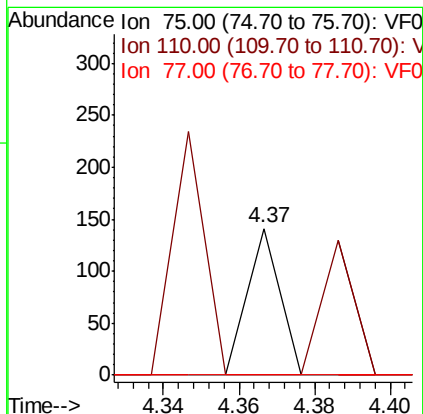
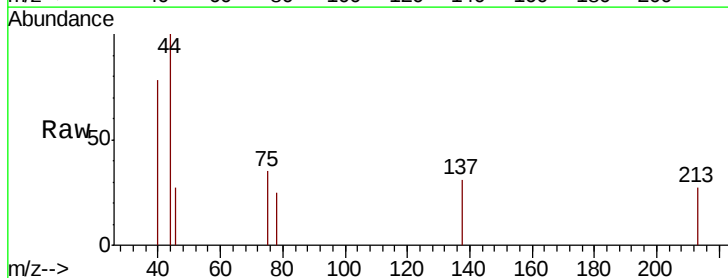
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(7-9)

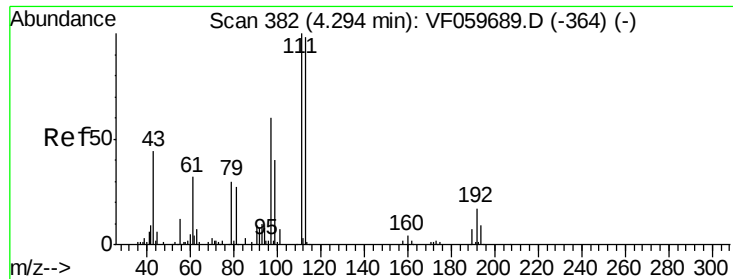
Tgt Ion: 113 Resp: 3832
 Ion Ratio Lower Upper
 113 100
 111 85.9 79.0 118.4
 192 22.8 13.2 19.8#



#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#

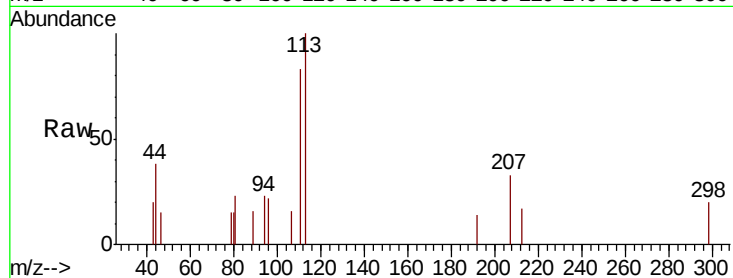




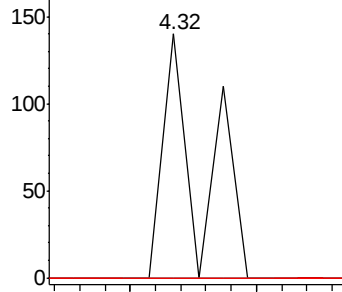
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

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

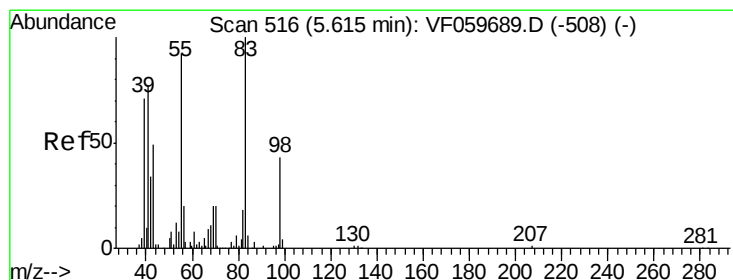
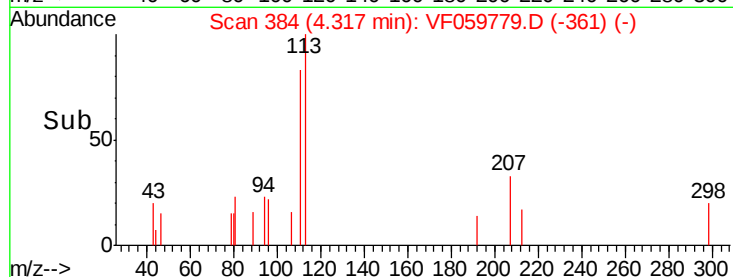
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



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

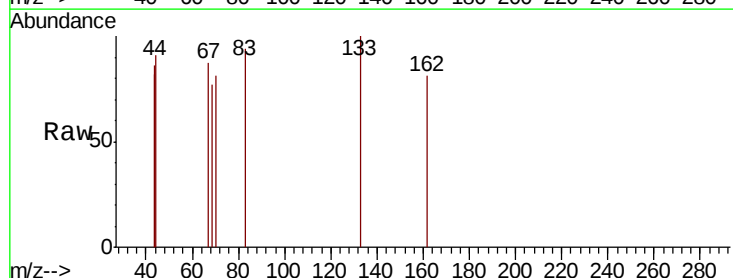


Time-->

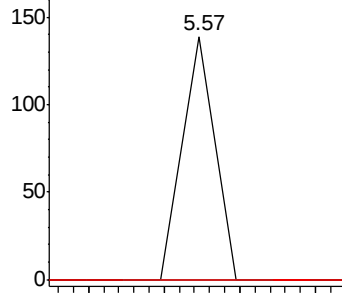


#39
Methylcyclohexane
Concen: Below Cal
RT: 5.57 min Scan# 511
Delta R.T. -0.05 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

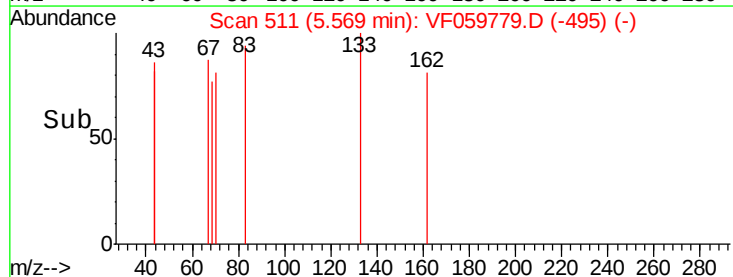
Tgt Ion: 83 Resp: 82
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#

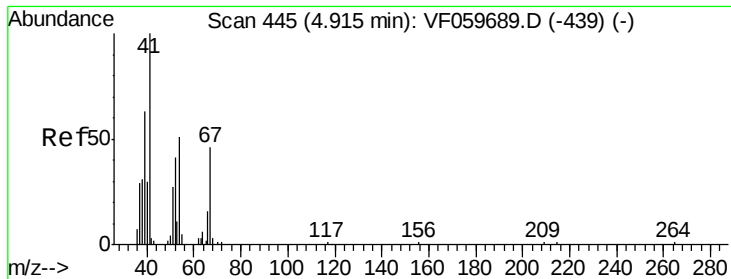


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



Time-->

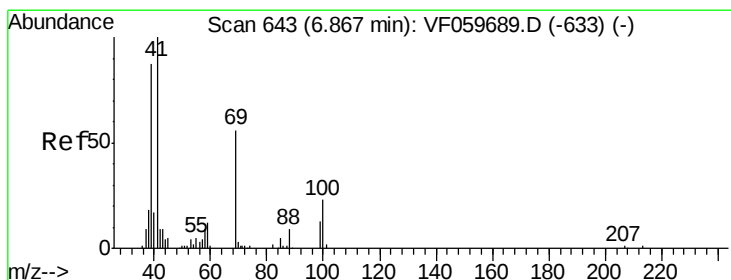
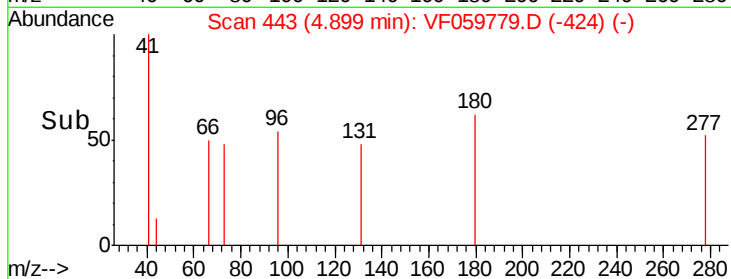
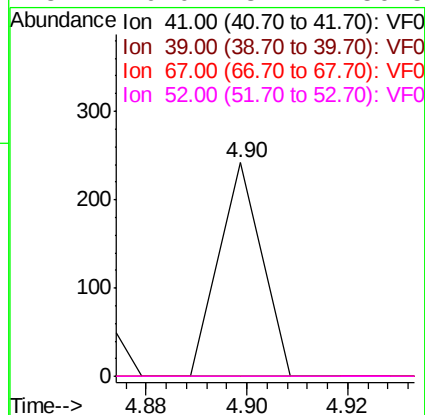
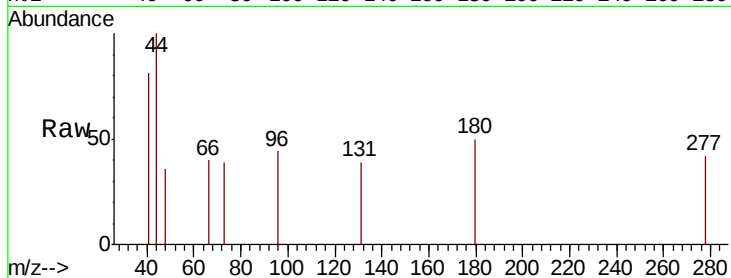




#41
Methacrylonitrile
Concen: 2.145 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.02 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

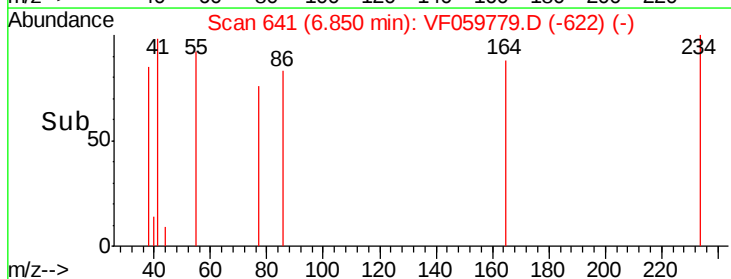
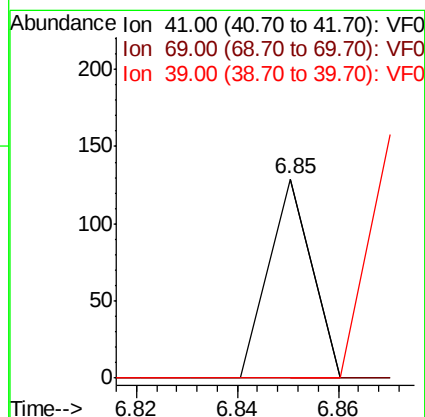
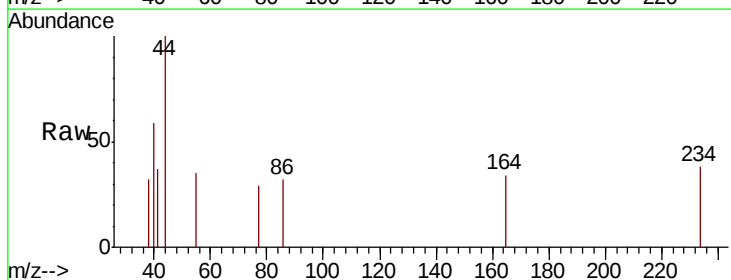
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

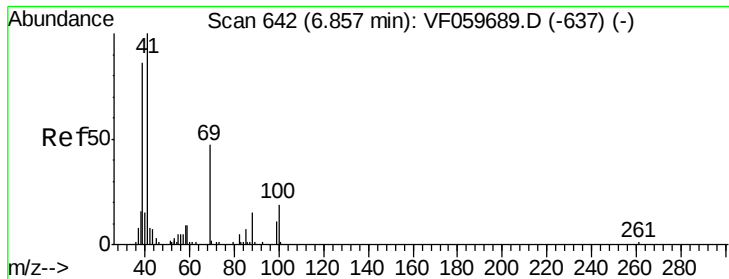
Tgt Ion: 41 Resp: 143
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#



#48
Methyl methacrylate
Concen: 1.438 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#

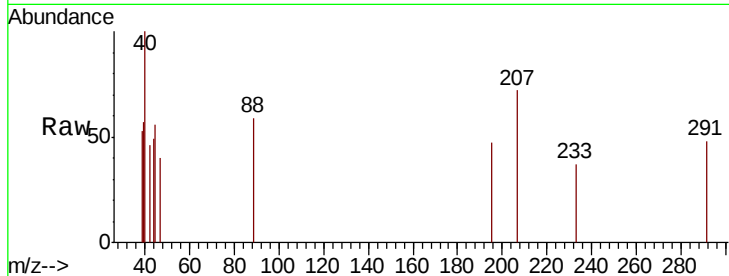




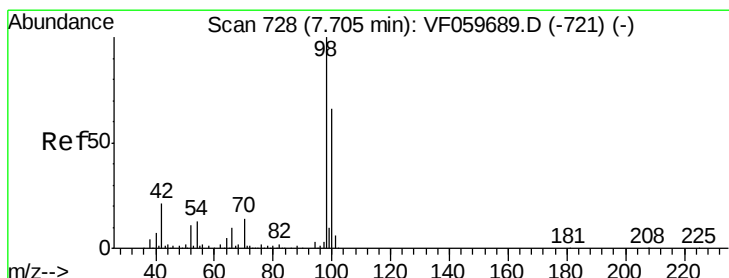
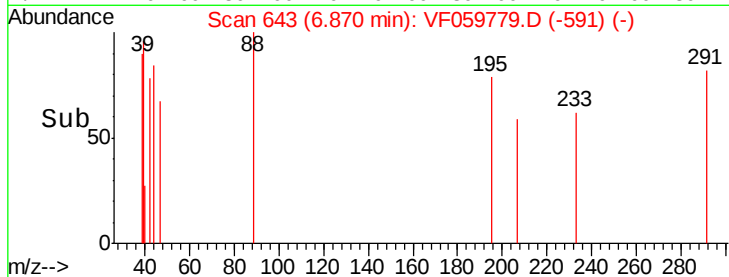
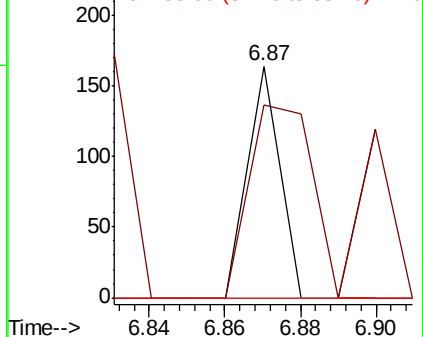
#49
1,4-Dioxane
Concen: 233.846 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

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

Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 83.5 45.2 67.8#
58 0.0 49.0 73.6#

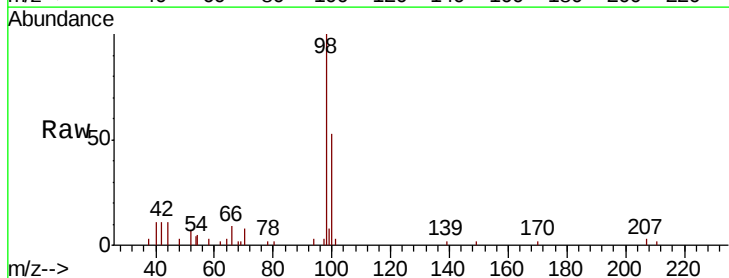


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

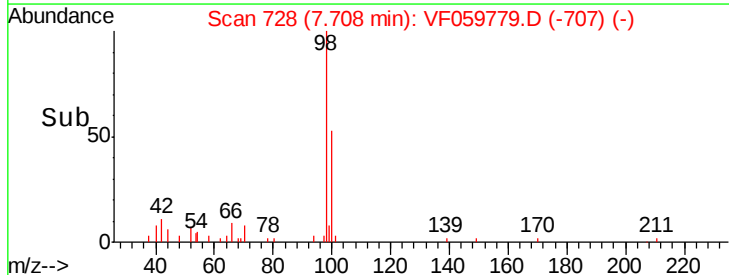
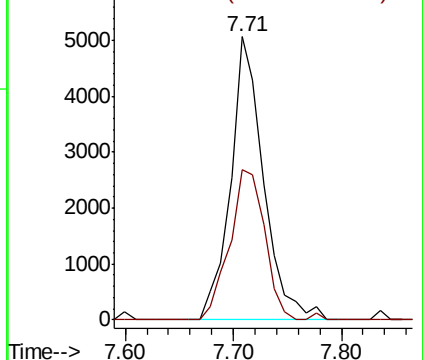


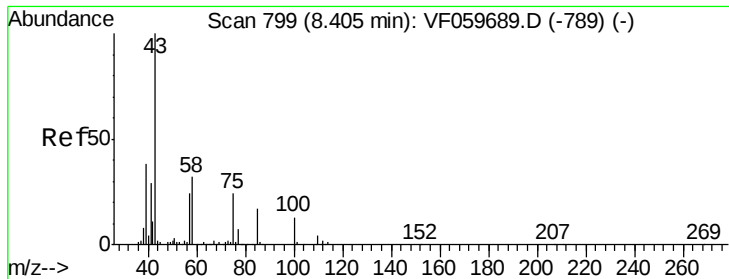
#50
Toluene-d8
Concen: 37.686 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

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

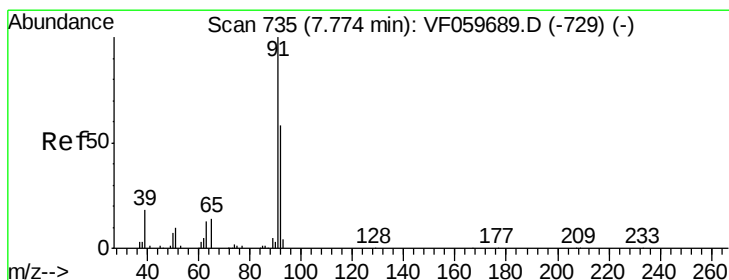
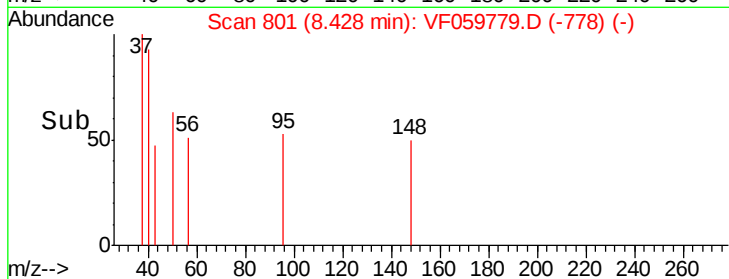
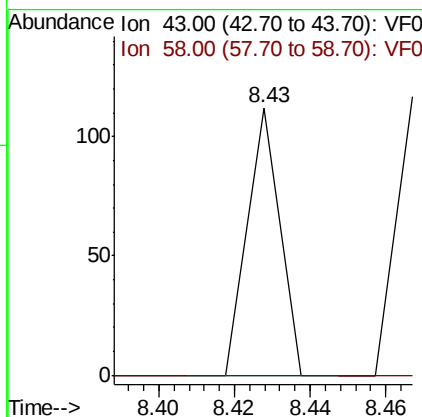
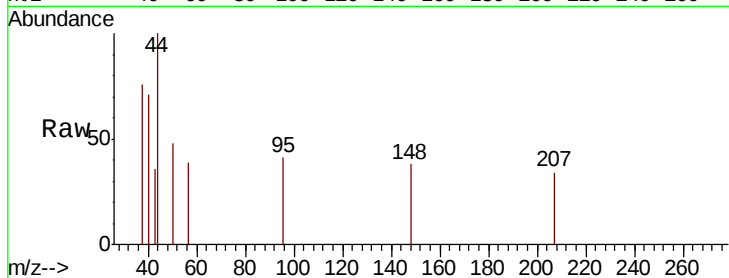




#51
 4-Methyl-2-Pentanone
 Concen: 1.235 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF059779.D
 Acq: 2 Aug 2018 3:56

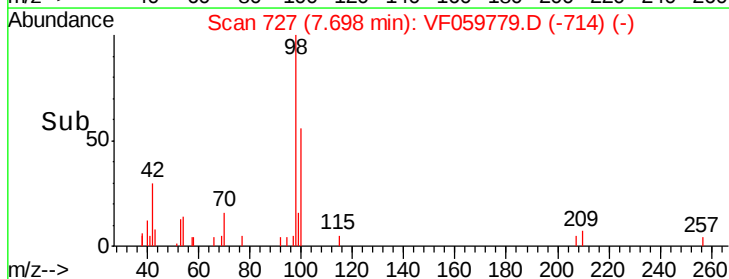
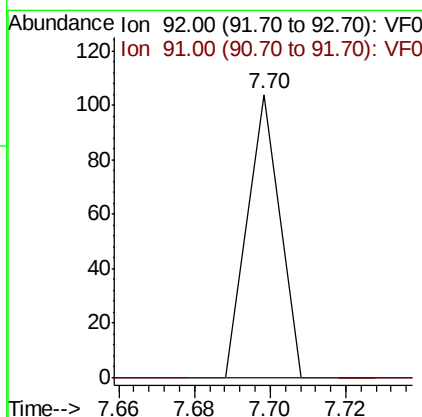
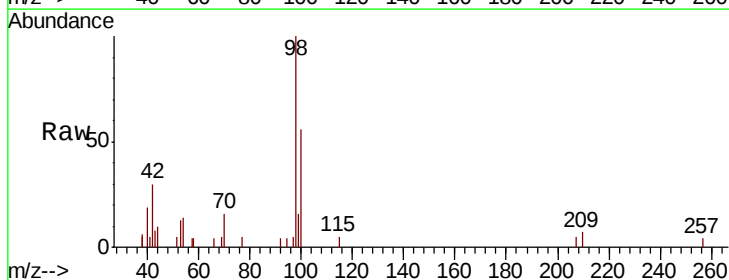
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-4(7-9)

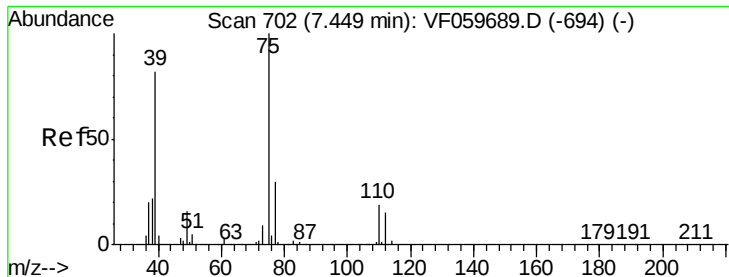
Tgt Ion: 43 Resp: 66
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#



#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: 1.248 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)

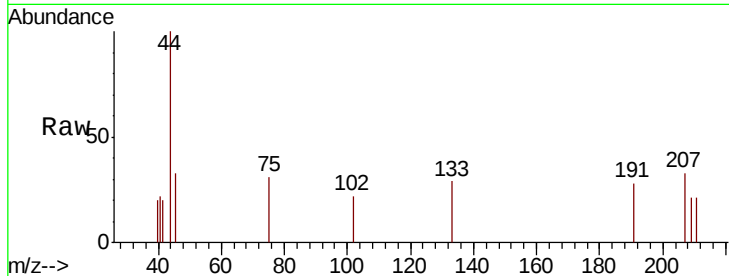
Tgt Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

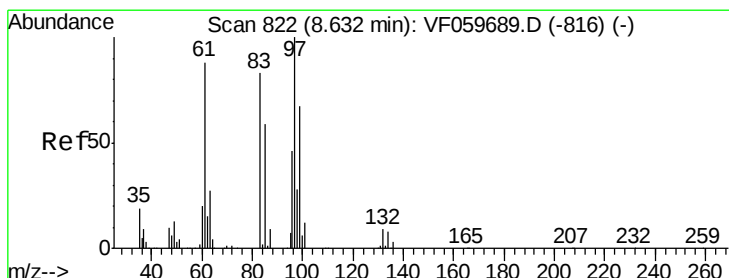
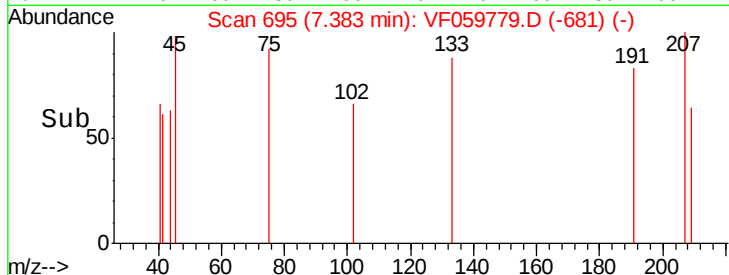
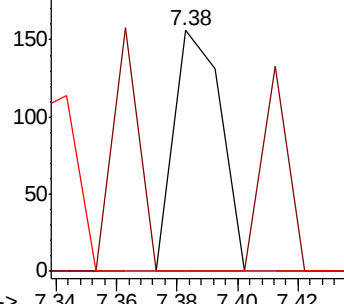
39 0.0 65.4 98.2#



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: 1.058 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

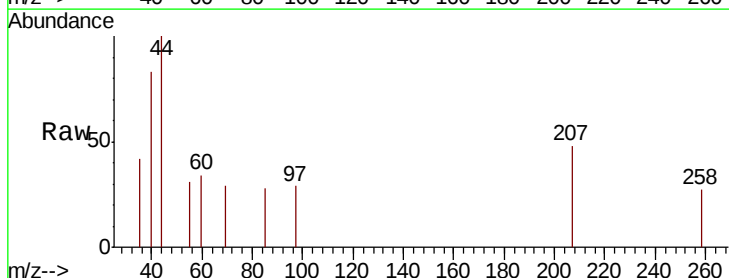
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 93.9 47.4 71.0#

99 0.0 53.2 79.8#

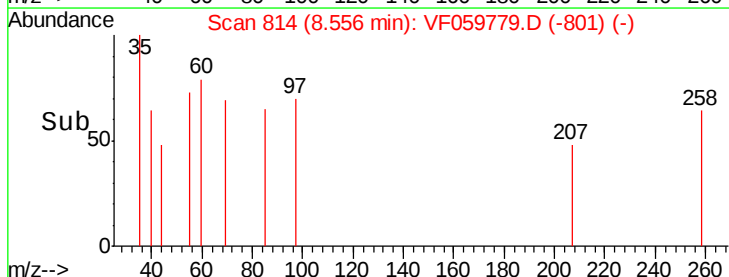
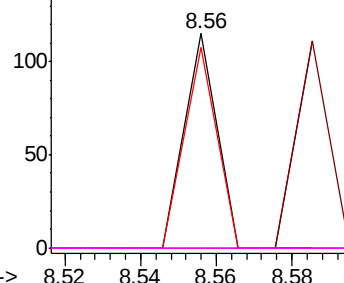


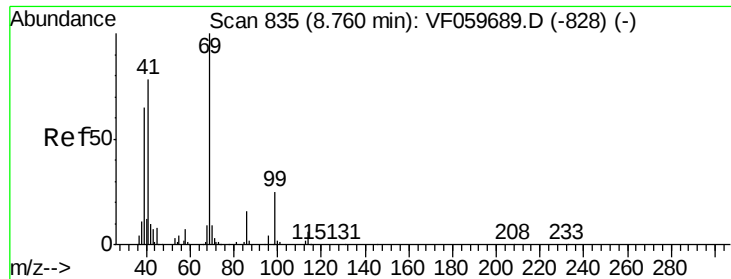
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

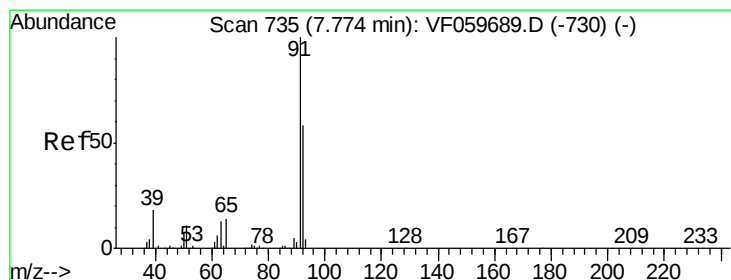
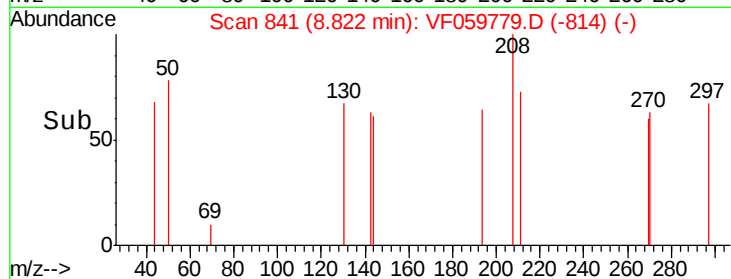
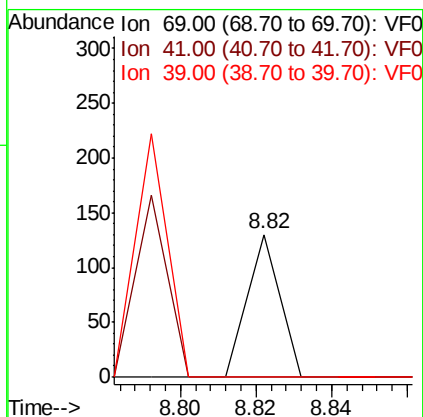
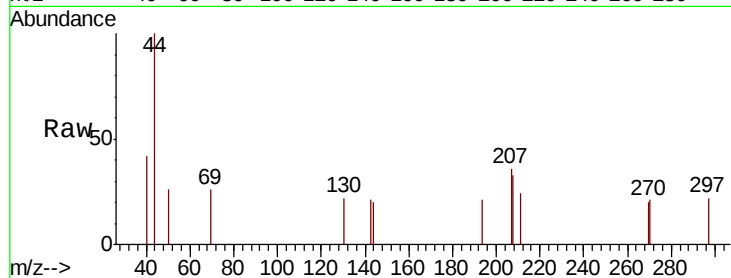




#56
Ethyl methacrylate
Concen: 1.149 ug/l
RT: 8.82 min Scan# 841
Delta R.T. 0.06 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

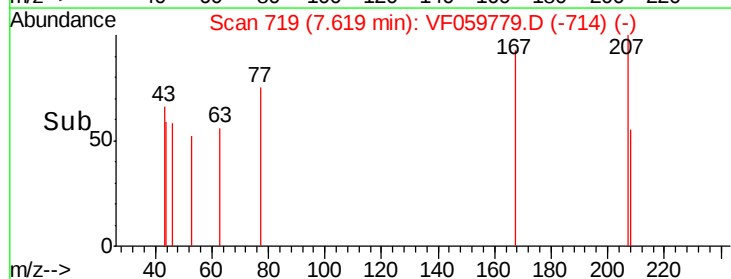
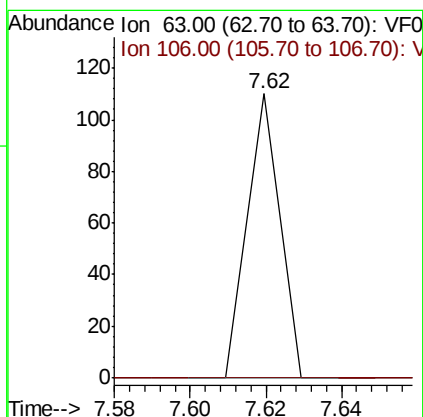
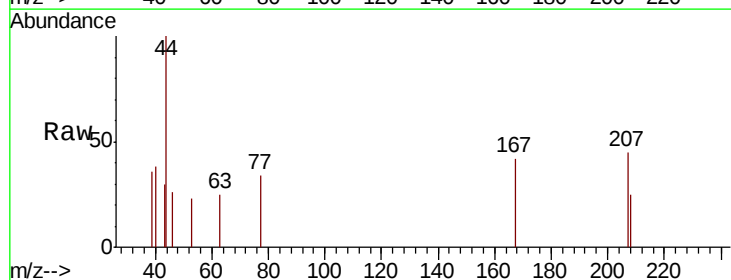
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

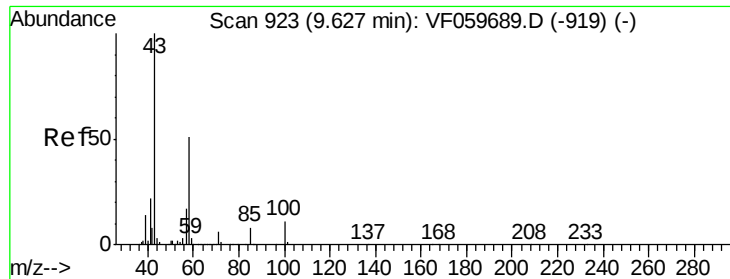
Tgt Ion: 69 Resp: 77
Ion Ratio Lower Upper
69 100
41 0.0 62.3 93.5#
39 0.0 52.4 78.6#



#58
2-Chloroethyl Vinyl ether
Concen: 8.398 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

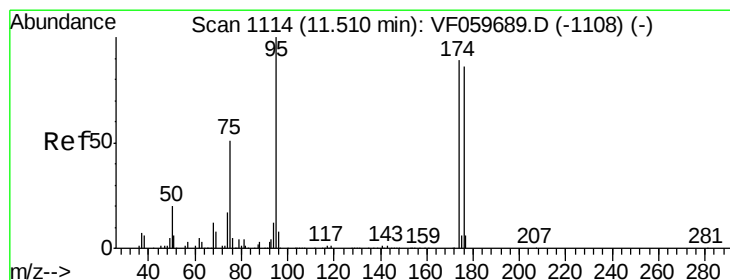
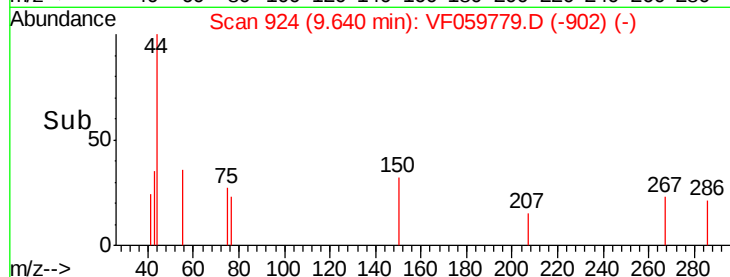
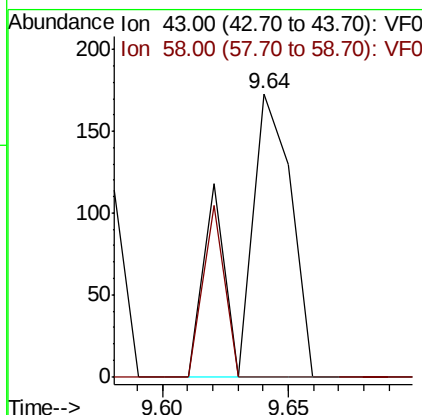
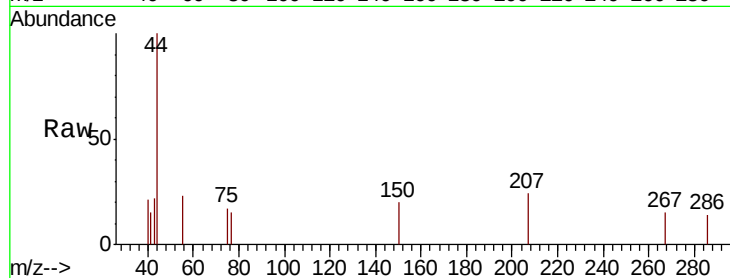




#59
2-Hexanone
Concen: 5.812 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

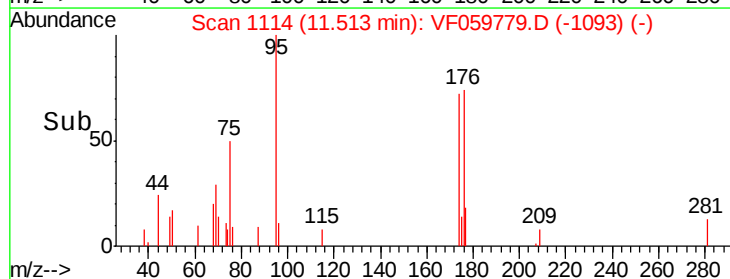
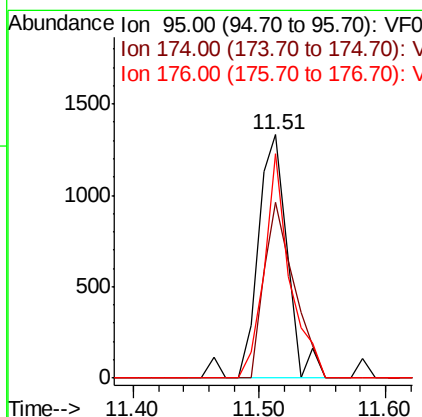
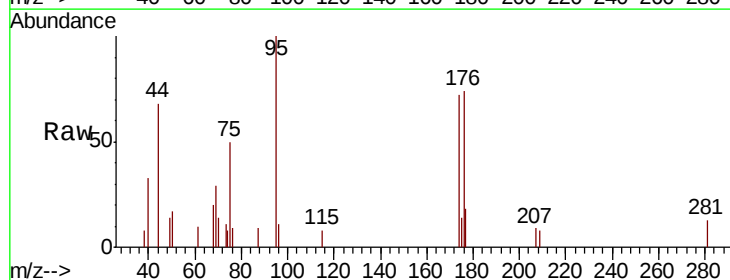
Instrument :
MSVOA_F
ClientSampleId :
SB-4(7-9)

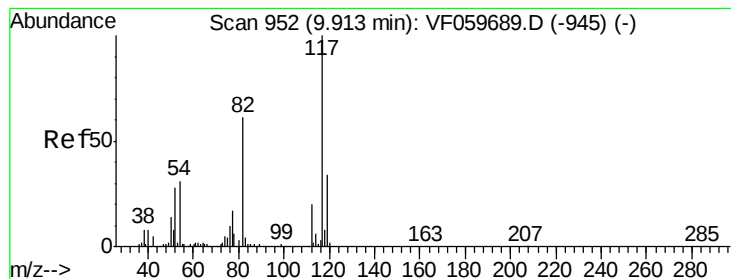
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 13.820 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: 50.000 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)

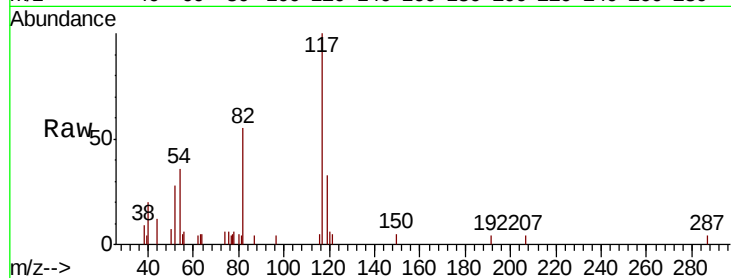
Tgt Ion:117 Resp: 6566

Ion Ratio Lower Upper

117 100

82 54.8 49.0 73.4

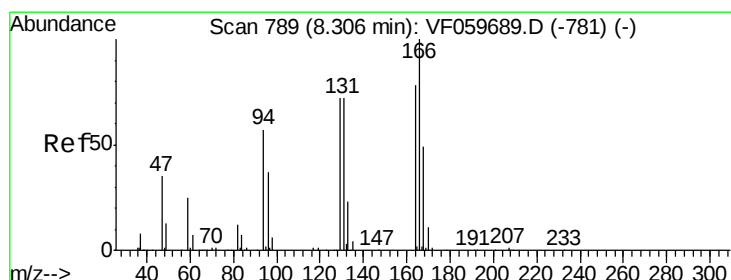
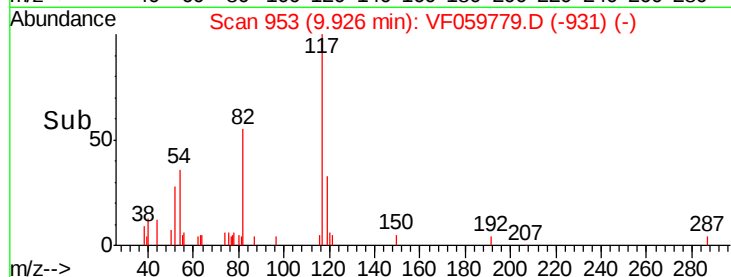
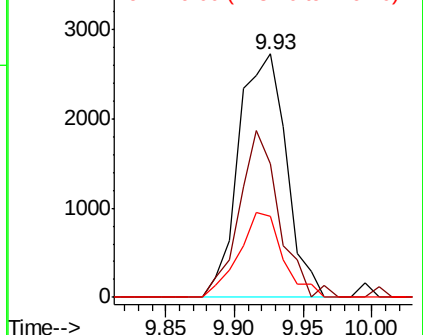
119 33.1 27.3 40.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 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:164 Resp: 82

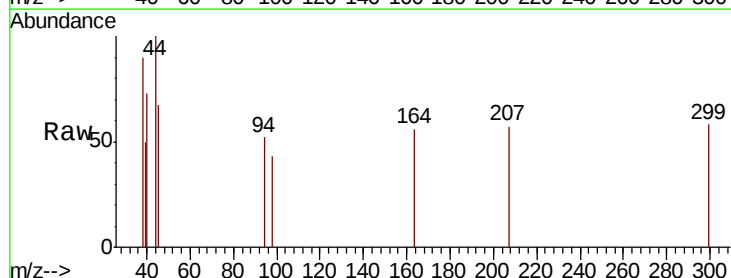
Ion Ratio Lower Upper

164 100

166 0.0 102.1 153.1#

129 0.0 73.8 110.6#

131 0.0 73.1 109.7#

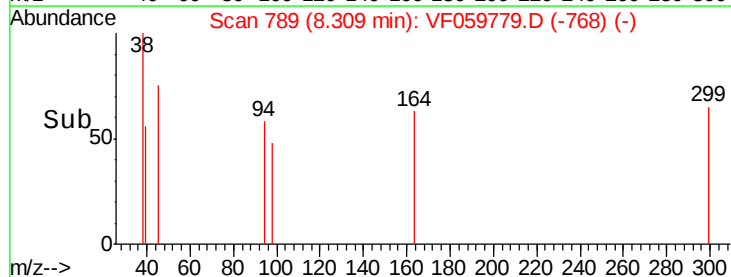
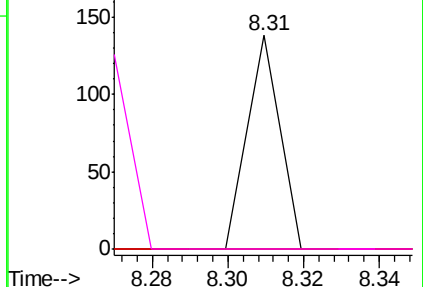


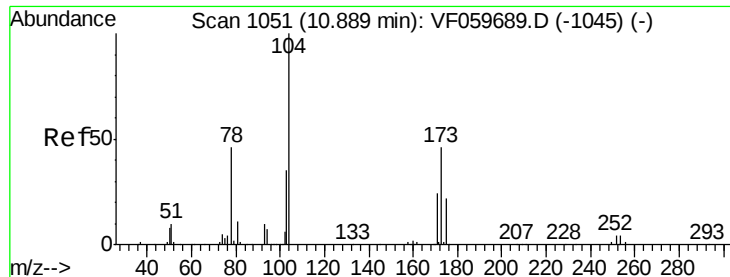
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#71

Bromoform

Concen: 1.527 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)

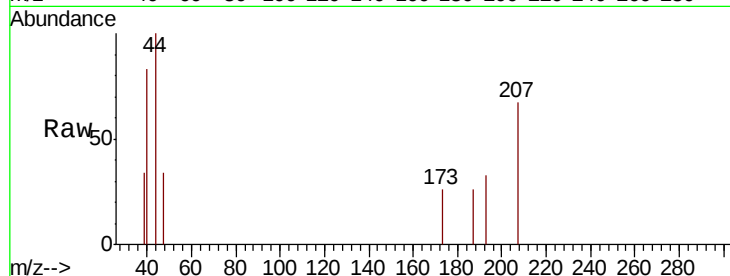
Tgt Ion:173 Resp: 61

Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.0#

254 0.0 0.0 0.0

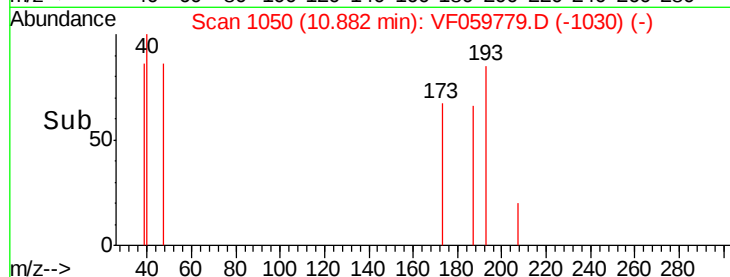


Abundance Ion 173.00 (172.70 to 173.70): V

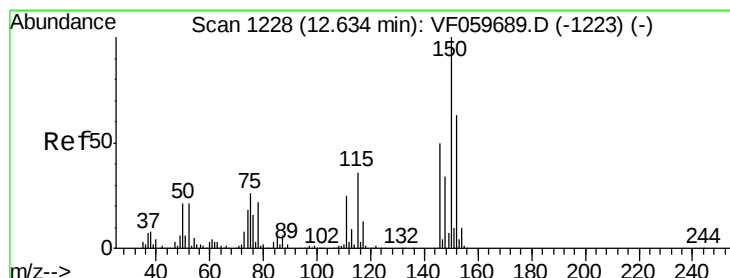
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

10.88



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

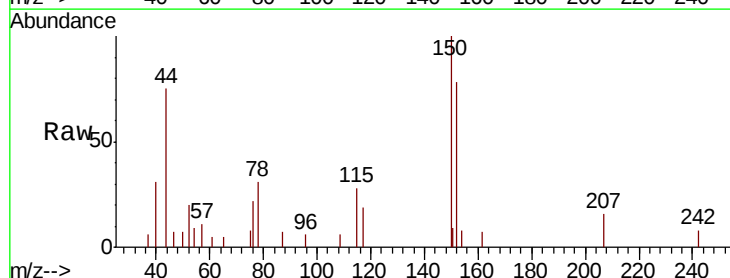
Tgt Ion:152 Resp: 2010

Ion Ratio Lower Upper

152 100

115 35.3 28.2 84.6

150 139.2 0.0 316.2

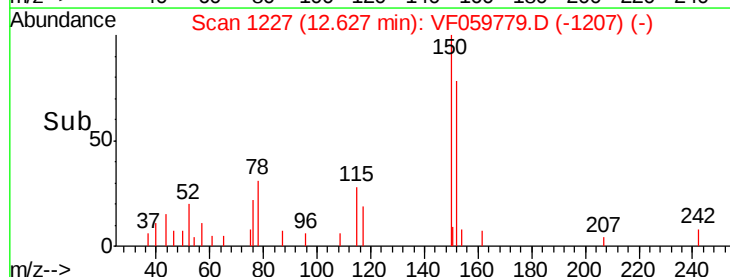


Abundance Ion 152.00 (151.70 to 152.70): V

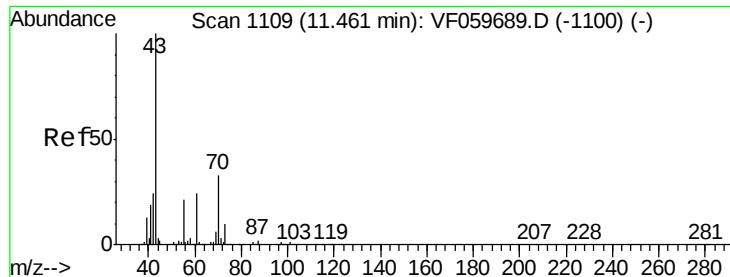
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

12.63



Time-->



#74

N-ethyl acetate

Concen: 5.019 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)

Tgt Ion: 43 Resp: 167

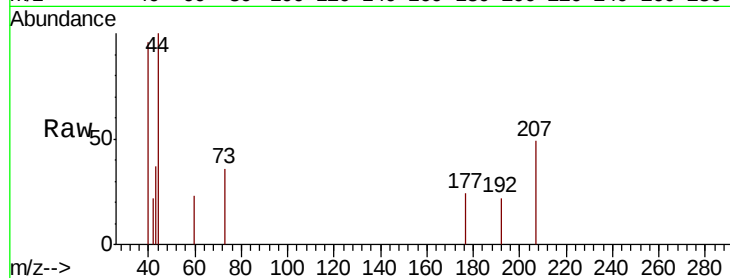
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

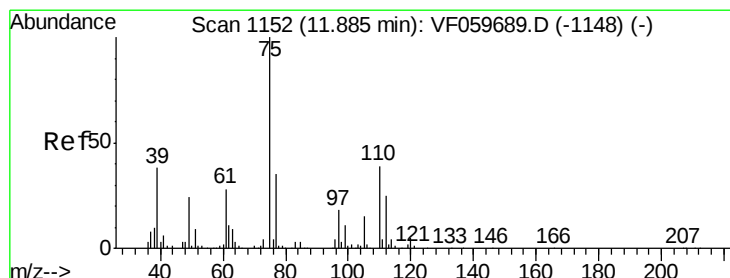
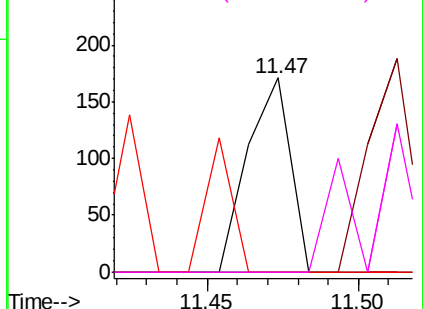
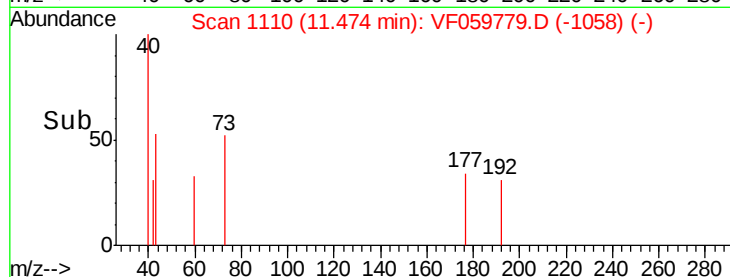


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 3.126 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.05 min

Lab File: VF059779.D

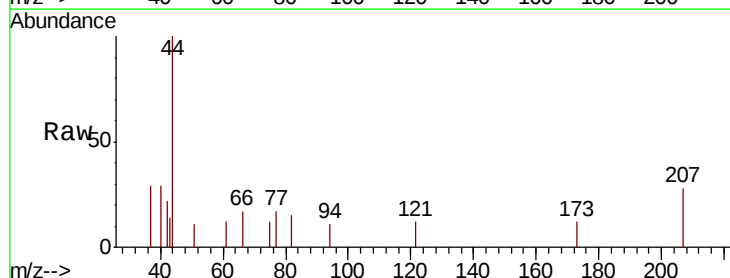
Acq: 2 Aug 2018 3:56

Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

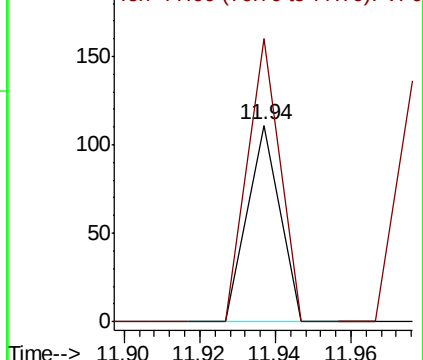
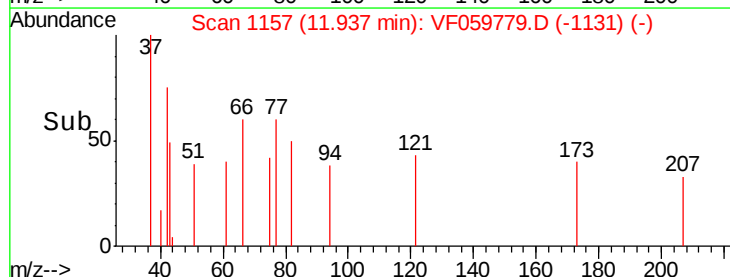
75 100

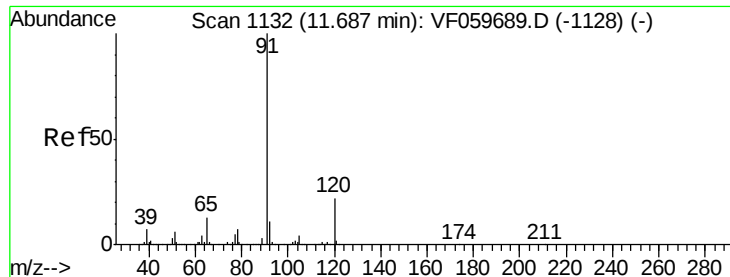
77 144.1 18.0 54.0#



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 :

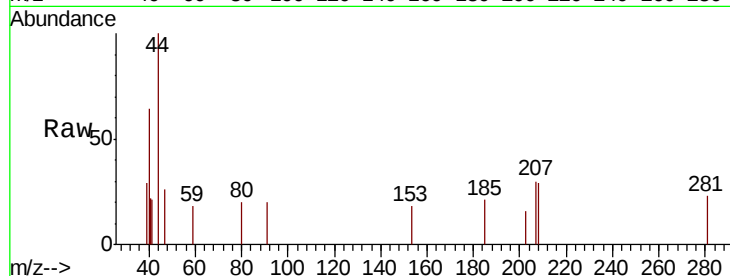
SB-4(7-9)

Tgt 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

11.67

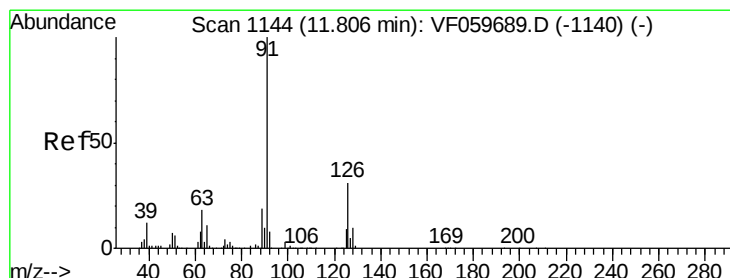
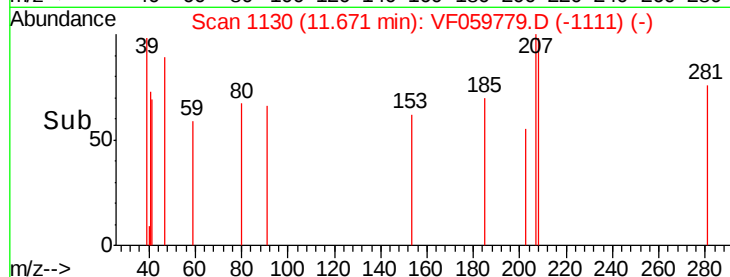
100

50

0

Time-->

11.64 11.66 11.68 11.70



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.67 min Scan# 1130

Delta R.T. -0.13 min

Lab File: VF059779.D

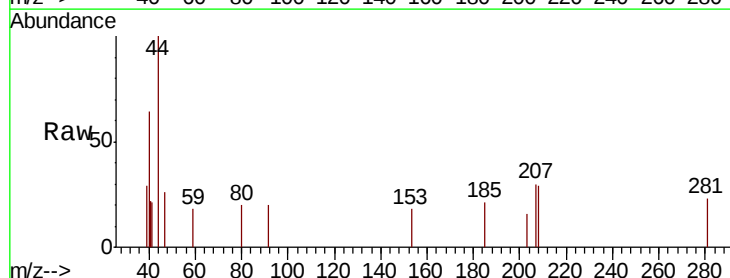
Acq: 2 Aug 2018 3:56

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

11.67

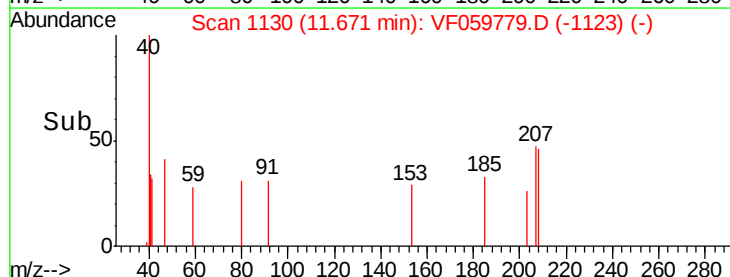
100

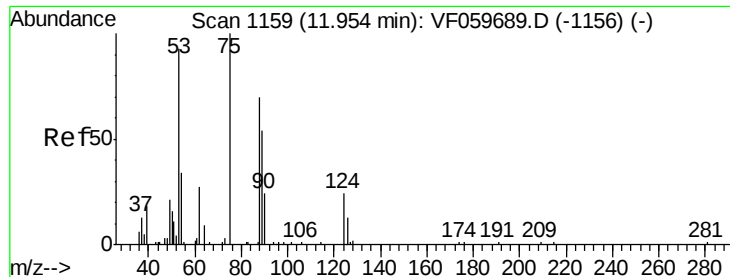
50

0

Time-->

11.64 11.66 11.68 11.70





#81

trans-1,4-Dichloro-2-butene

Concen: 7.549 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)

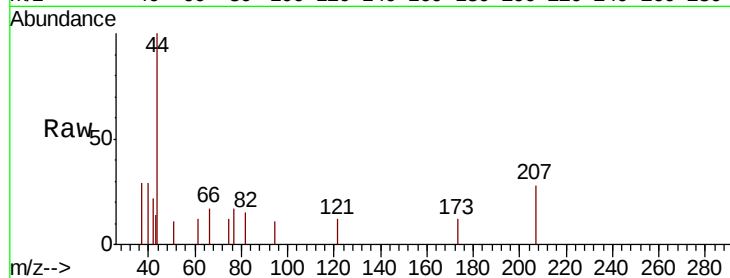
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

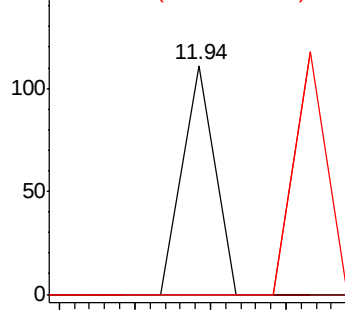
89 0.0 45.4 68.2#



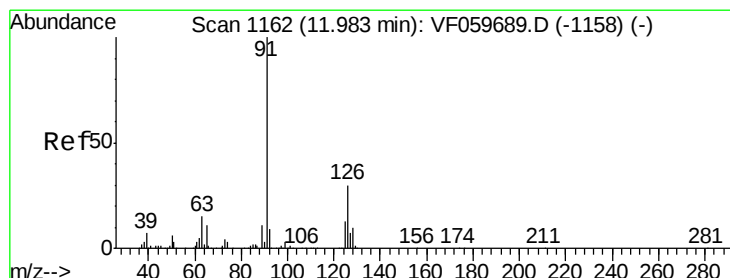
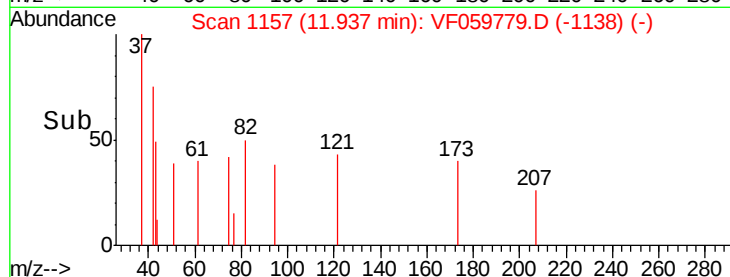
Abundance Ion 75.00 (74.70 to 75.70): VF0

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

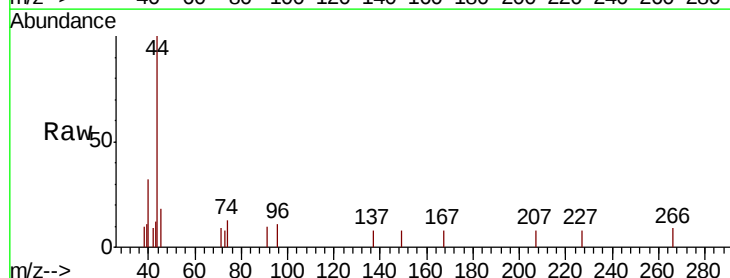
Acq: 2 Aug 2018 3:56

Tgt Ion: 91 Resp: 74

Ion Ratio Lower Upper

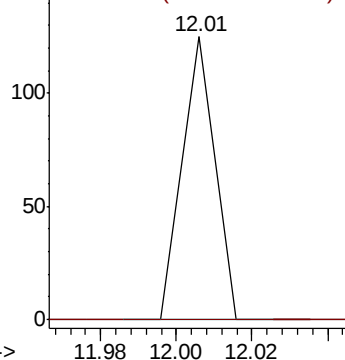
91 100

126 0.0 15.2 45.6#

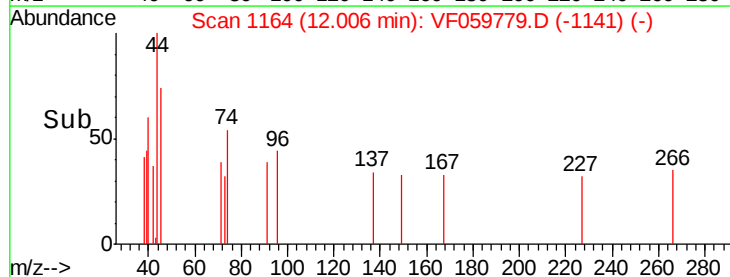


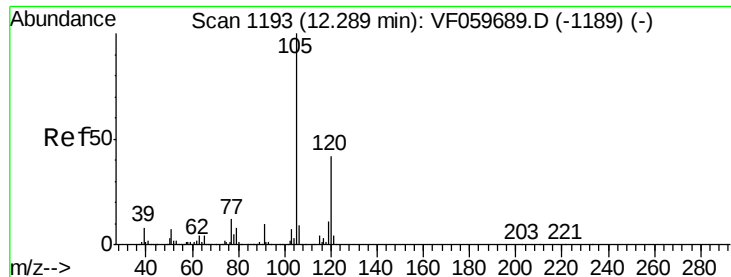
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->

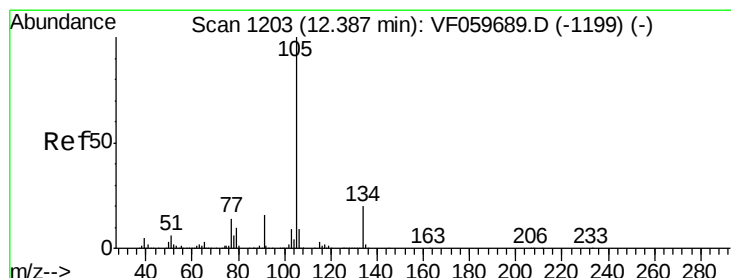
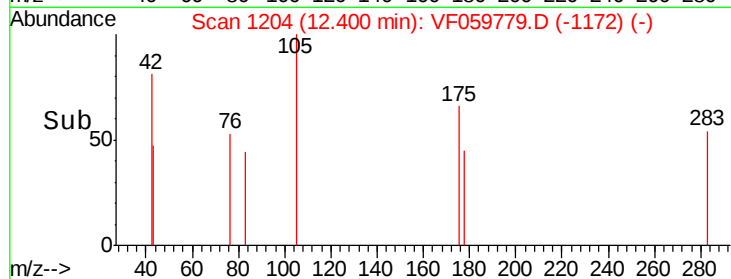
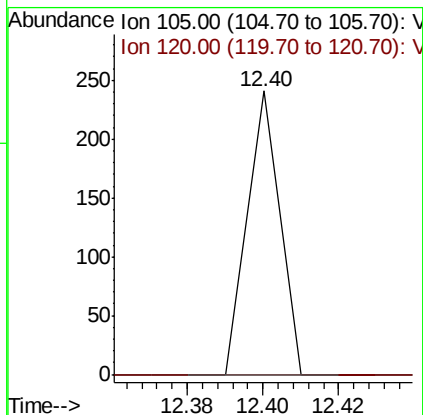
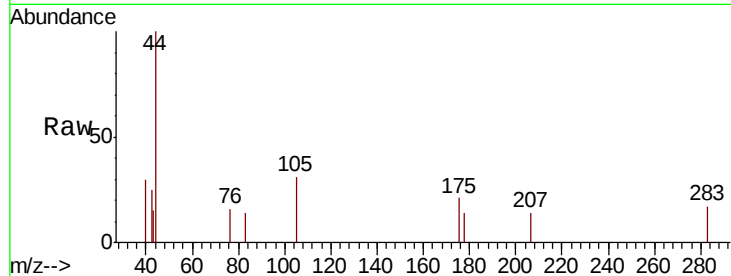




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.11 min
 Lab File: VF059779.D
 Acq: 2 Aug 2018 3:56

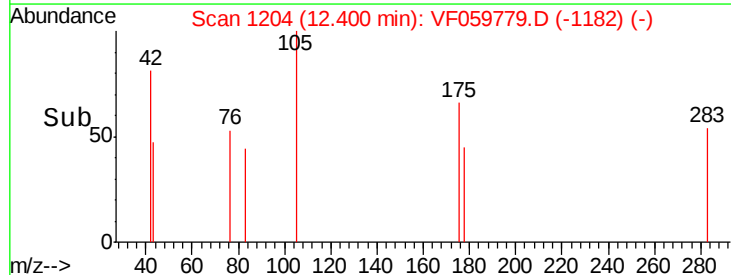
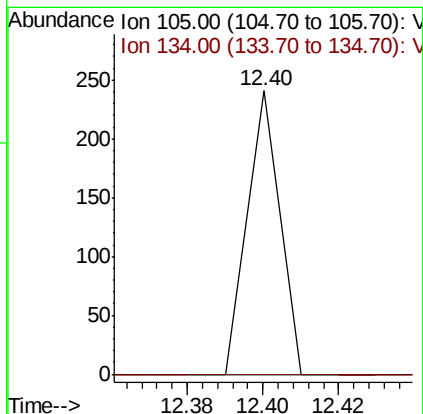
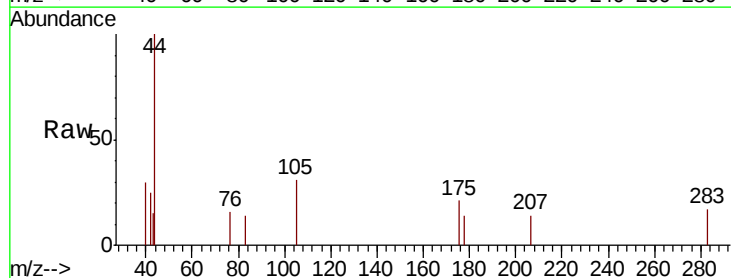
Instrument :
 MSVOA_F
 ClientSampled :
 SB-4(7-9)

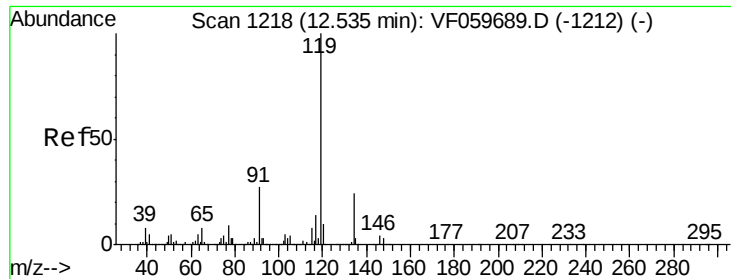
Tgt Ion:105 Resp: 142
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#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

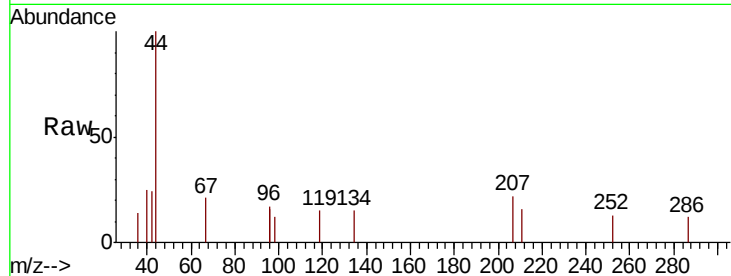
Instrument :

MSVOA_F

ClientSampled :

SB-4(7-9)

Tgt 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

12.48

150

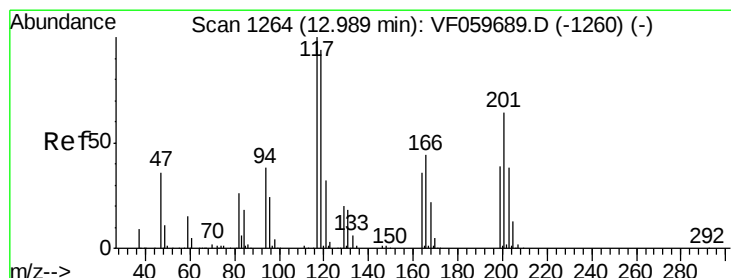
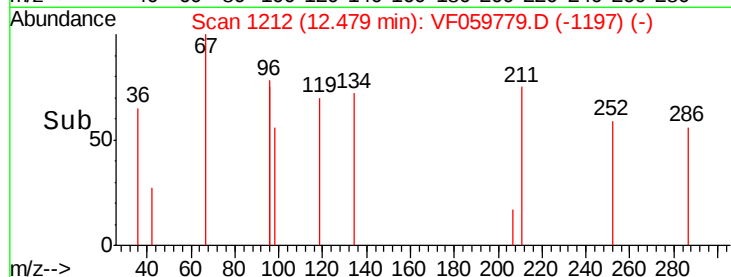
100

50

0

12.44 12.46 12.48 12.50

Time-->



#90

Hexachloroethane

Concen: 2.585 ug/l

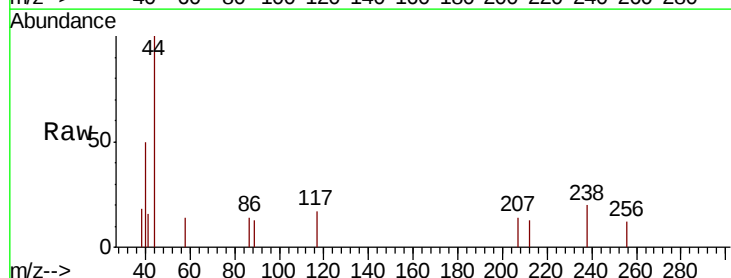
RT: 12.82 min Scan# 1247

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

12.82

150

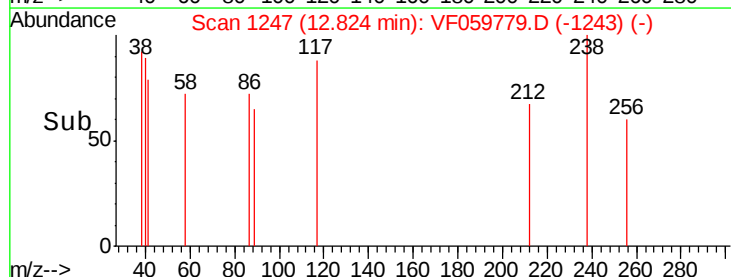
100

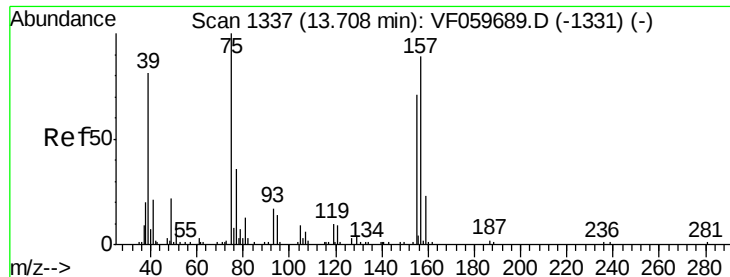
50

0

12.80 12.82 12.84

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.381 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)

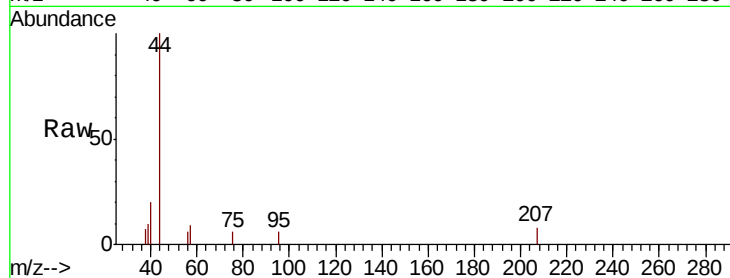
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

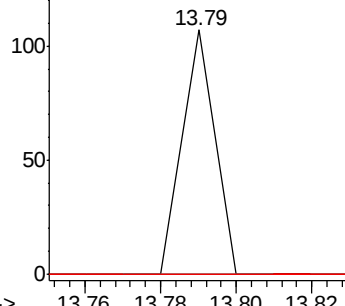
157 0.0 44.4 133.2#



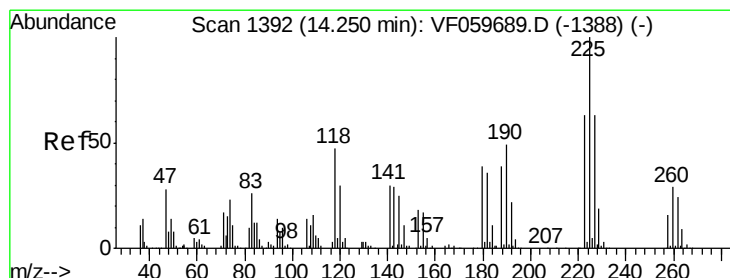
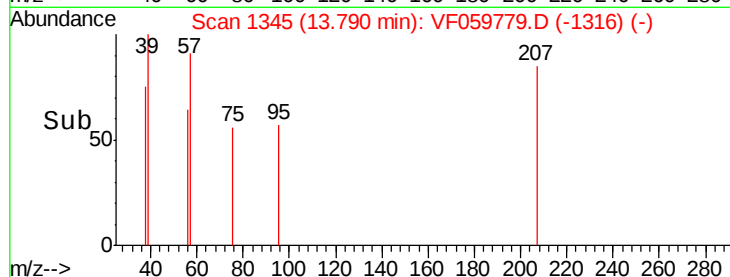
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->



#94

Hexachlorobutadiene

Concen: 2.154 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VF059779.D

Acq: 2 Aug 2018 3:56

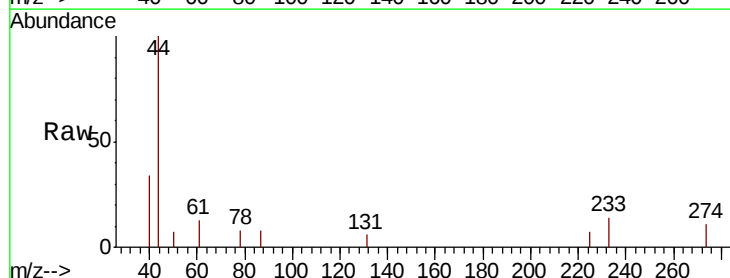
Tgt Ion: 225 Resp: 71

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

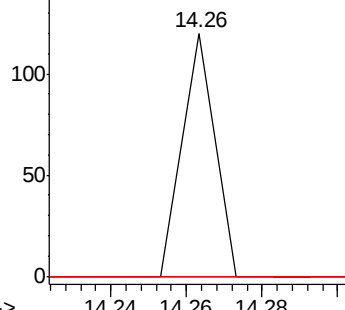
227 0.0 31.5 94.5#



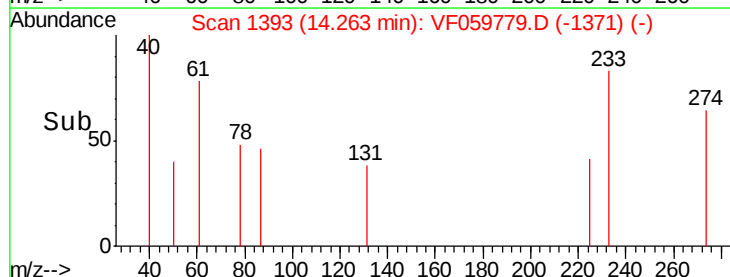
Abundance Ion 225.00 (224.70 to 225.70): V

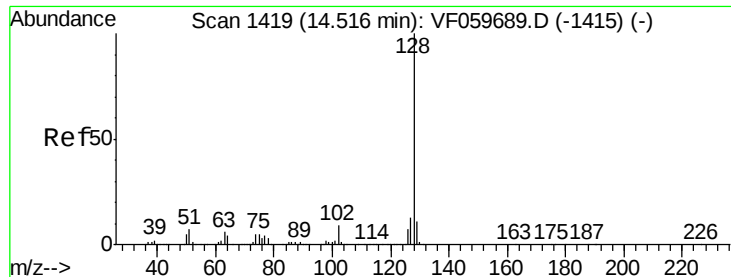
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time-->

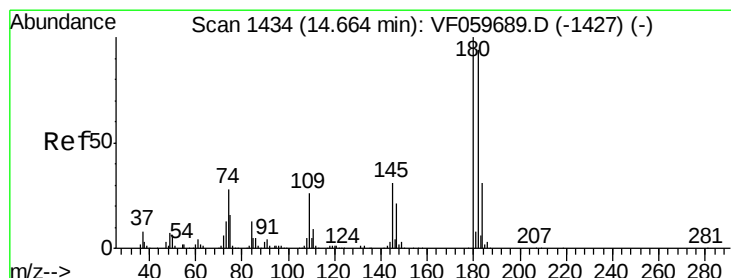
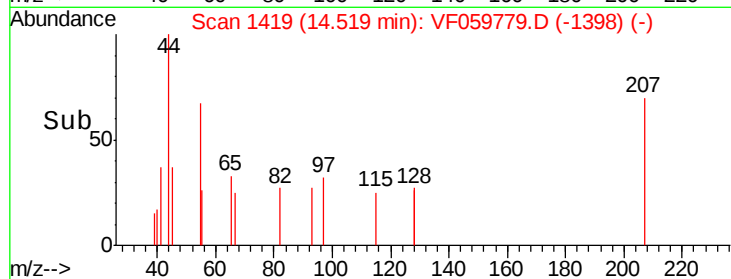
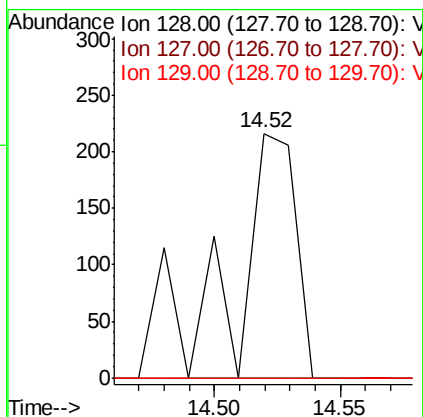
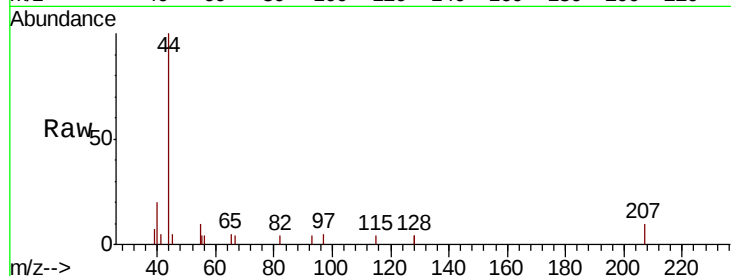




#95
Naphthalene
Concen: 3.739 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059779.D
Acq: 2 Aug 2018 3:56

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

Tgt 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: 1.274 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	Ratio	Lower	Upper
180	100		
182	0.0	47.2	141.6#
145	0.0	15.6	46.7#

