

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055352.D
 Acq On : 2 May 2019 16:19
 Operator : JC/SP
 Sample : K2658-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-EB-01

Quant Time: May 03 01:54:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	352756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	604877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	153972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	247653	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.59	113	193445	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.09	98	740280	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	229937	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

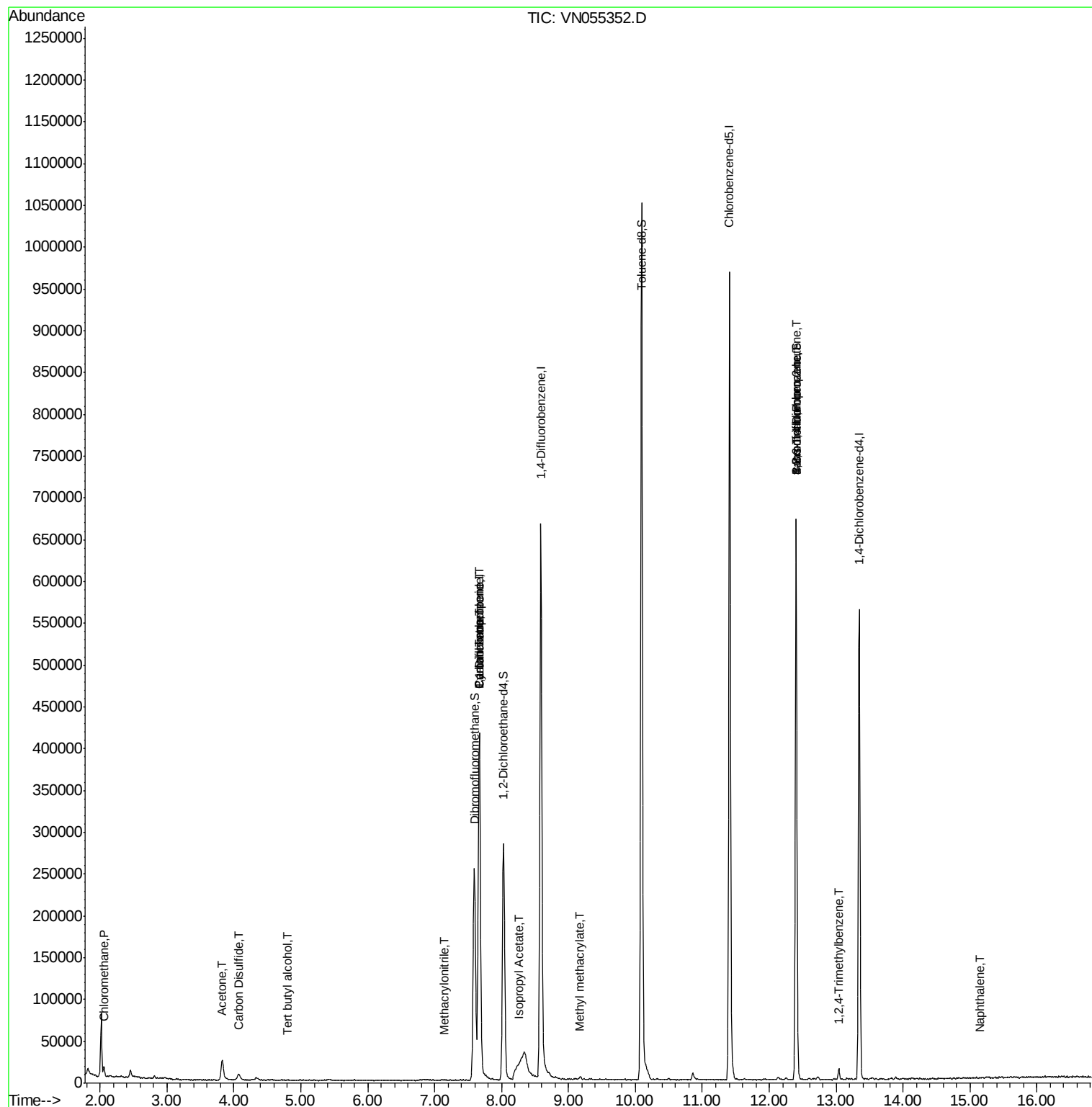
					Qvalue	
3) Chloromethane	2.06	50	9649	1.803	ug/l	93
11) Tert butyl alcohol	4.80	59	285	1.079	ug/l #	73
16) Acetone	3.82	43	42514	29.566	ug/l	96
17) Carbon Disulfide	4.06	76	1930	0.212	ug/l #	74
18) Methyl Acetate	4.33	43	2630	Below Cal		94
31) Cyclohexane	7.66	56	7690	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	27474	4.742	ug/l #	46
38) Carbon Tetrachloride	7.67	117	33278	5.954	ug/l #	15
41) Methacrylonitrile	7.14	41	93	0.778	ug/l #	8
43) Isopropyl Acetate	8.25	43	25225	3.535	ug/l #	57
48) Methyl methacrylate	9.17	41	1139	0.325	ug/l #	49
71) Bromoform	12.40	173	2174	0.933	ug/l #	1
73) Isopropylbenzene	12.25	105	1201	Below Cal	#	71
76) 1,2,3-Trichloropropane	12.40	75	118986	41.128	ug/l #	100
79) 2-Chlorotoluene	12.60	91	1578	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	118986	146.446	ug/l #	7
83) tert-Butylbenzene	13.00	119	160	Below Cal	#	63
84) 1,2,4-Trimethylbenzene	13.04	105	7678	0.711	ug/l	99
90) Hexachloroethane	14.00	117	798	Below Cal	#	7
95) Naphthalene	15.14	128	30	3.335	ug/l #	69

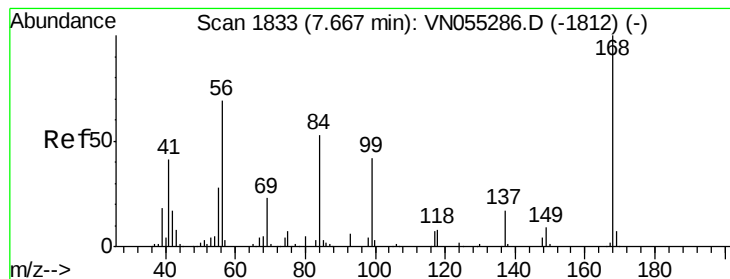
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

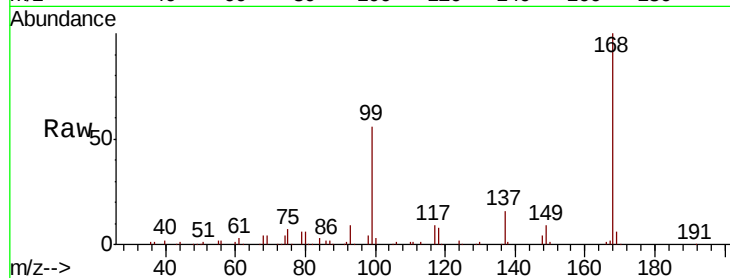
EP1-SB-EB-01

Tot Ion:168 Resp: 352756

Ion Ratio Lower Upper

168 100

99 55.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055352.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055352.D (-1740) (-)

7.67

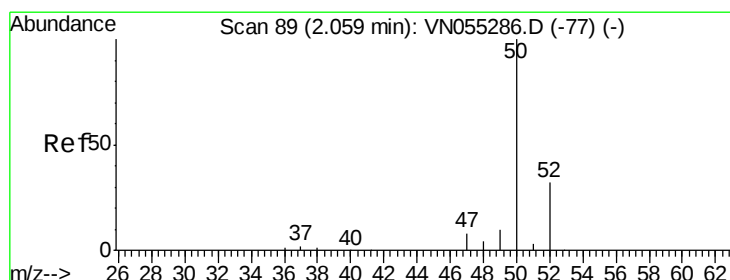
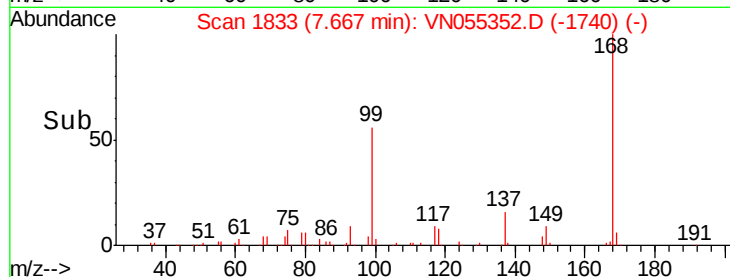
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.803 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055352.D

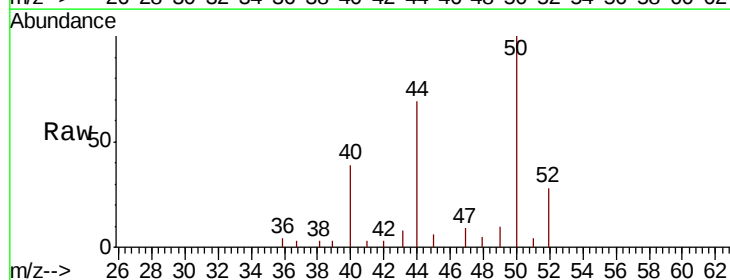
Acq: 2 May 2019 16:19

Tgt Ion: 50 Resp: 9649

Ion Ratio Lower Upper

50 100

52 28.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN055352.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055352.D (-1) (-)

2.06

8000

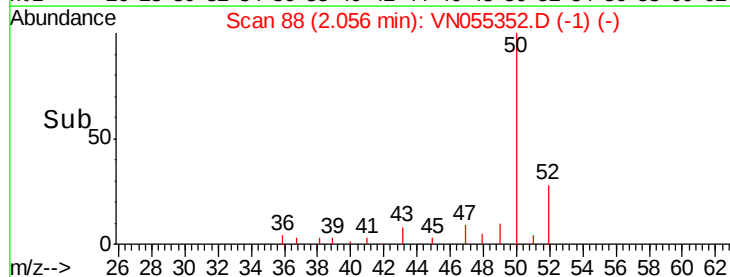
6000

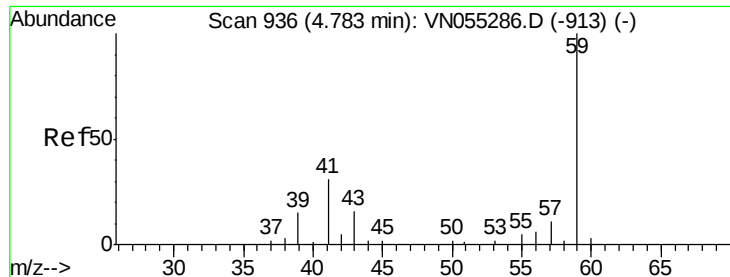
4000

2000

0

Time-->

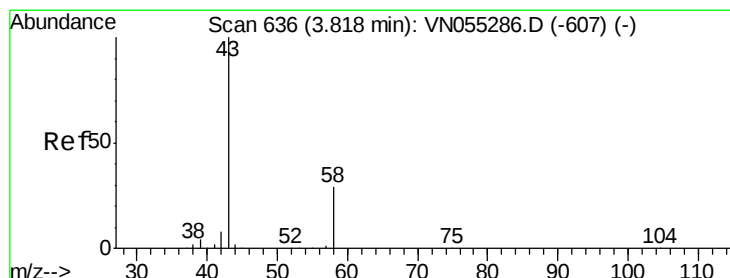
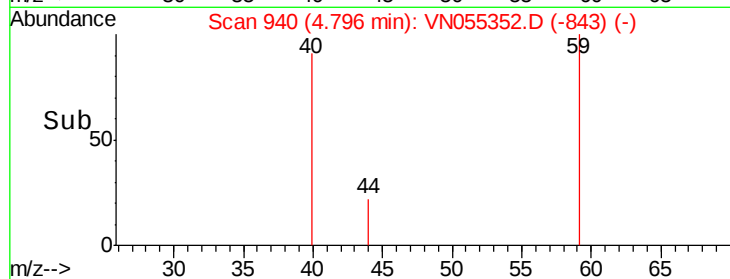
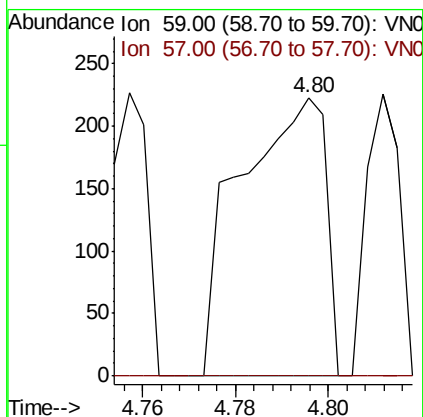
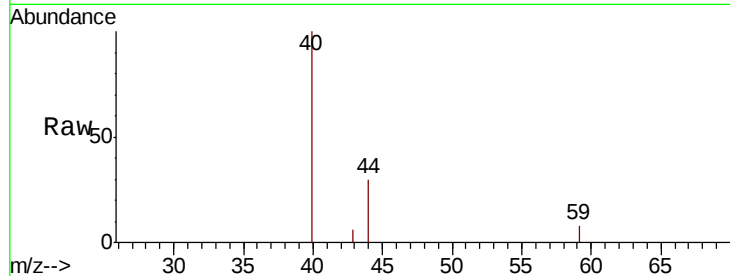




#11
Tert butyl alcohol
Concen: 1.079 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

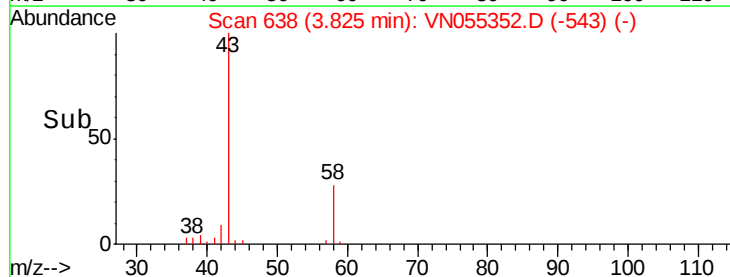
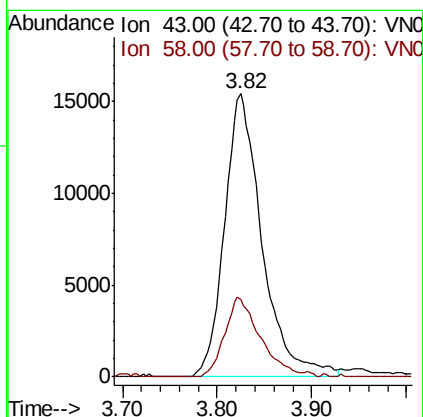
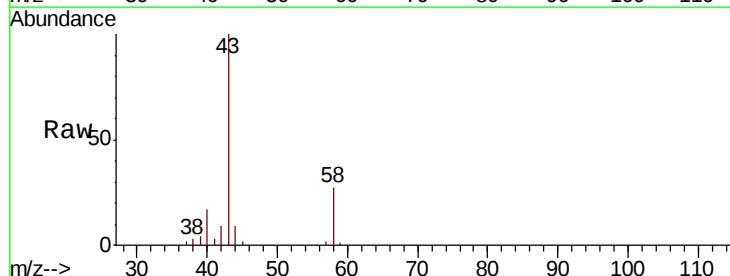
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-EB-01

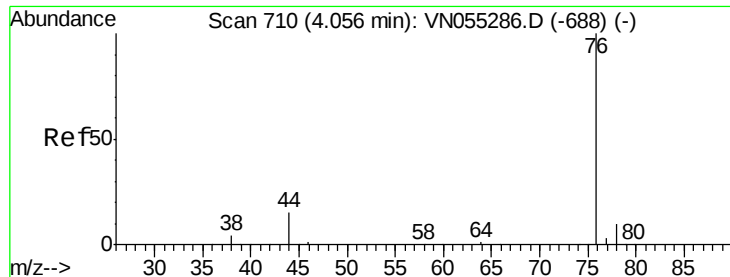
Tot Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 29.566 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

Tgt Ion: 43 Resp: 42514
Ion Ratio Lower Upper
43 100
58 27.5 23.6 35.4

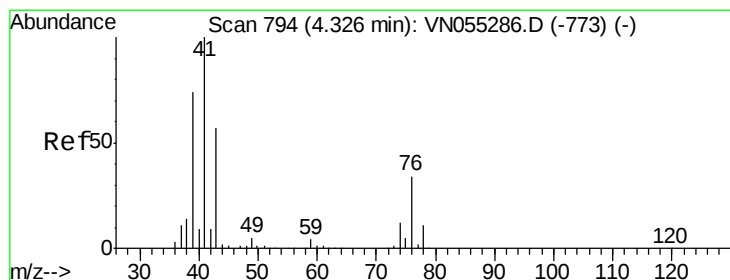
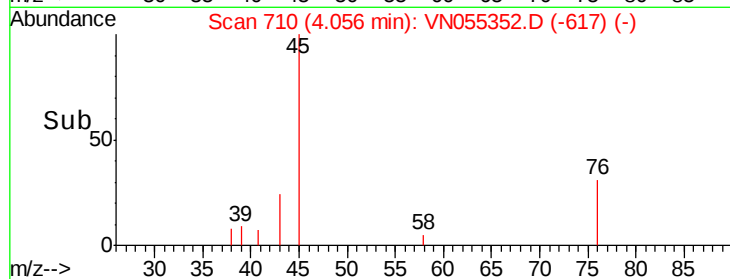
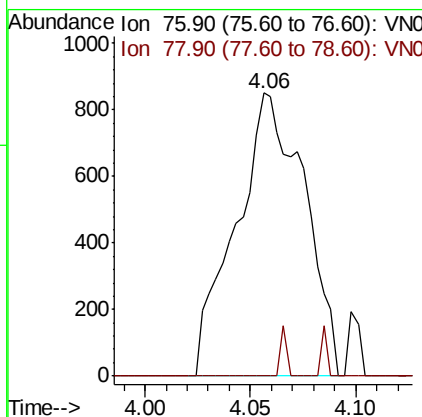
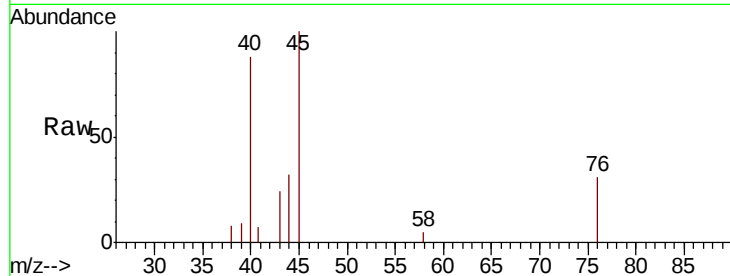




#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

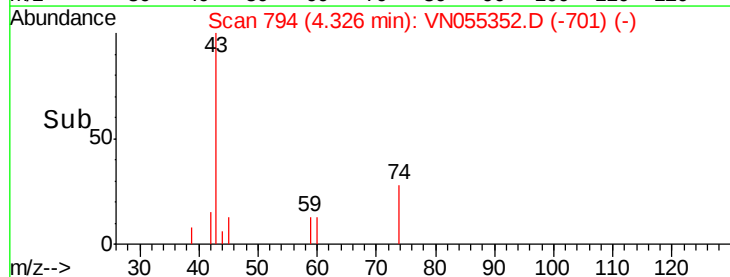
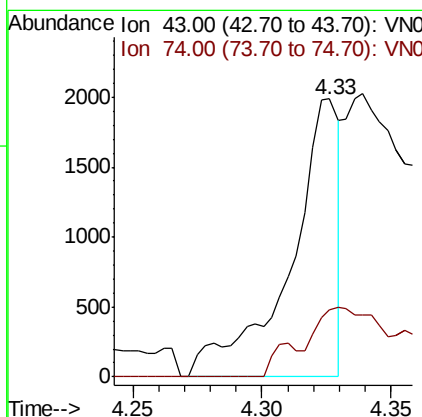
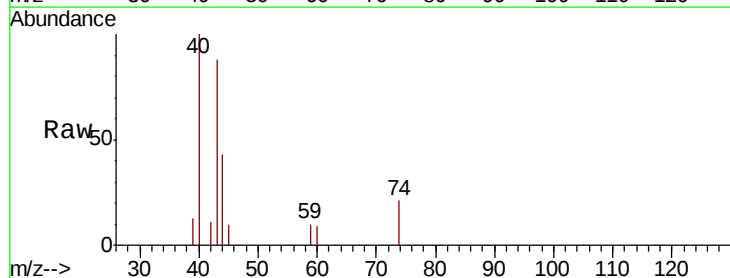
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-EB-01

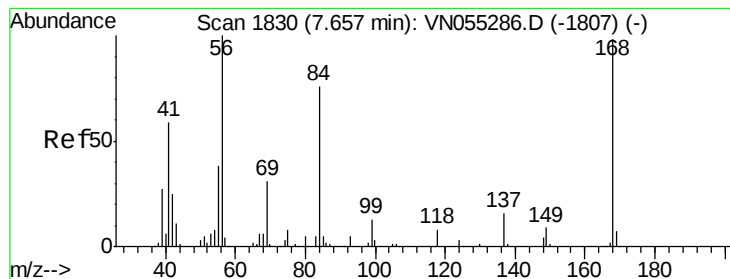
Tot Ion: 76 Resp: 1930
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
74 22.4 15.8 23.8





#31

Cyclohexane

Concen: 1.059 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-EB-01

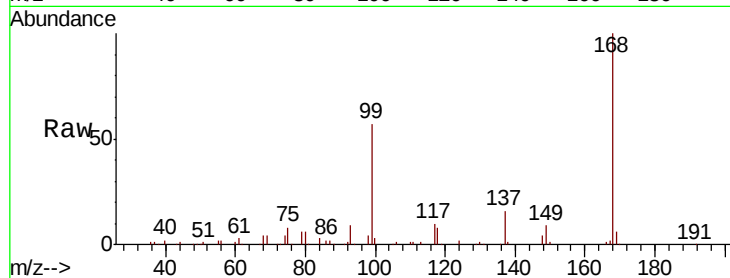
Tot Ion: 56 Resp: 7690

Ion Ratio Lower Upper

56 100

69 162.6 25.2 37.8#

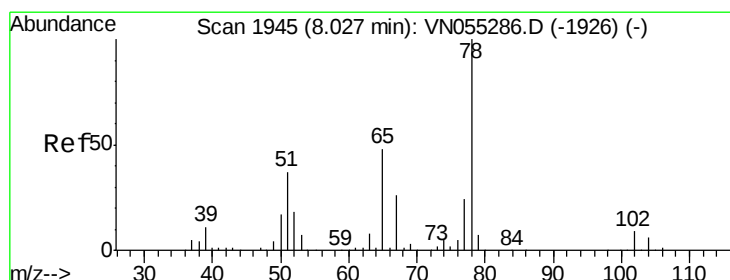
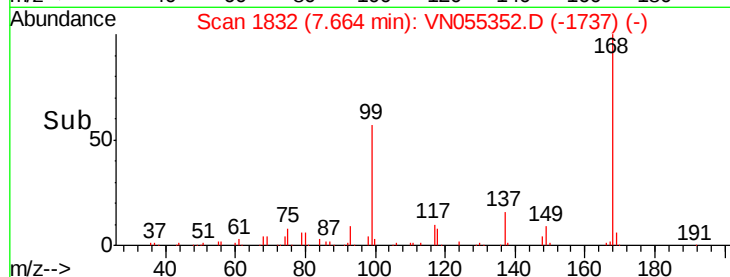
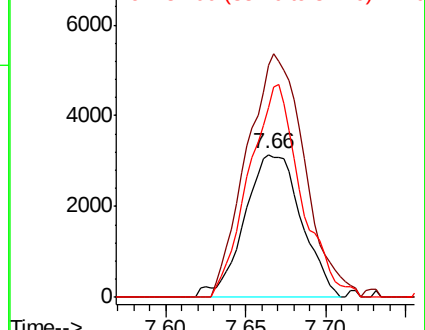
84 133.3 61.1 91.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.664 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055352.D

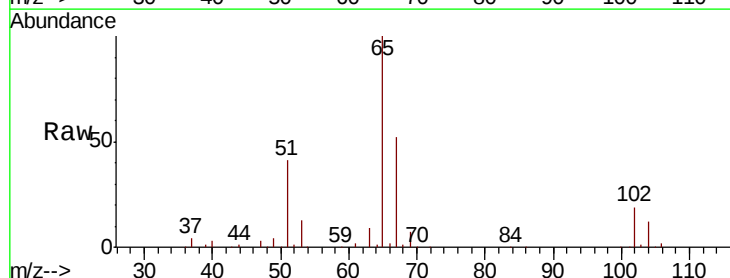
Acq: 2 May 2019 16:19

Tgt Ion: 65 Resp: 247653

Ion Ratio Lower Upper

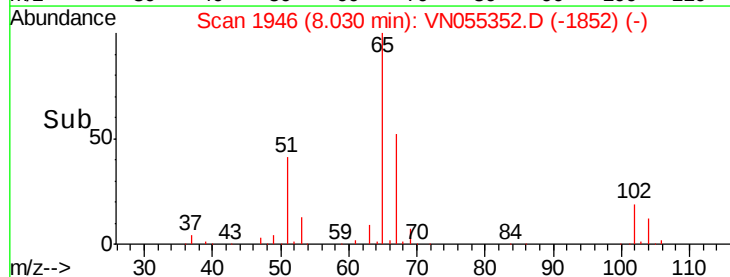
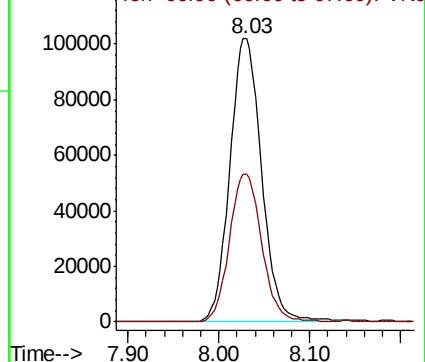
65 100

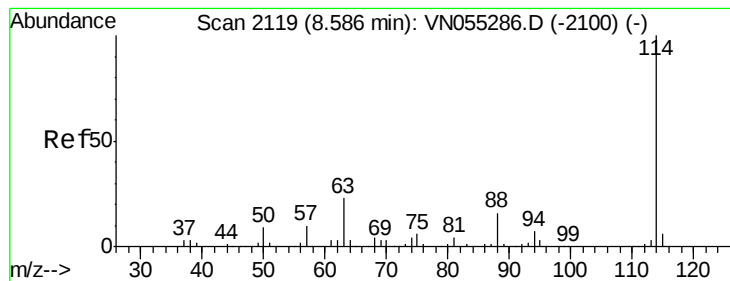
67 52.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-EB-01

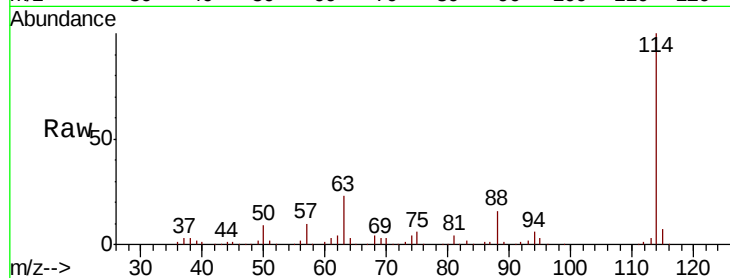
Tot Ion:114 Resp: 604877

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

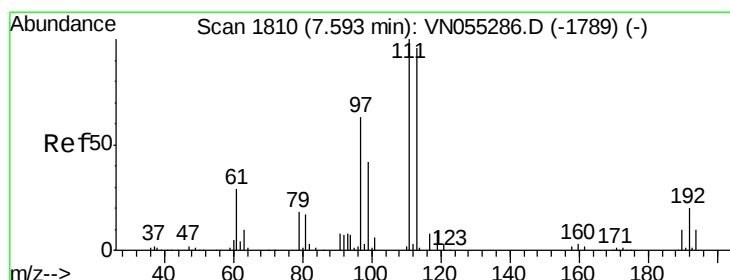
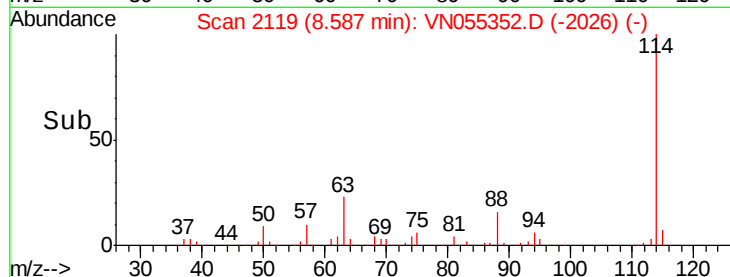
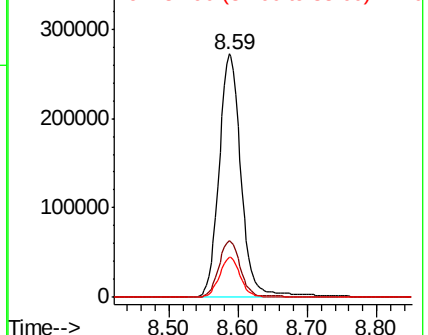
88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.724 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

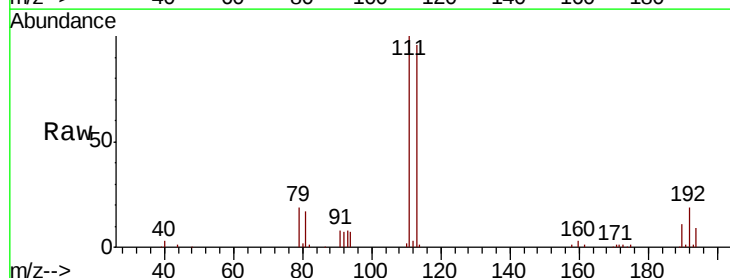
Tgt Ion:113 Resp: 193445

Ion Ratio Lower Upper

113 100

111 104.6 82.3 123.5

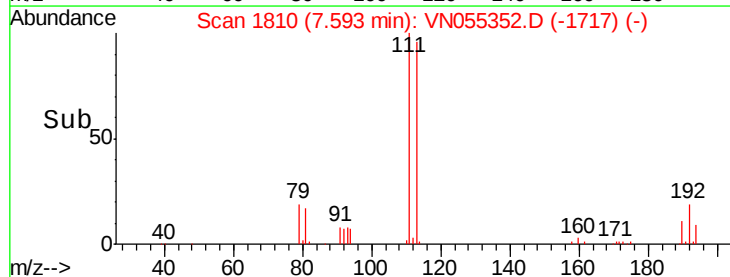
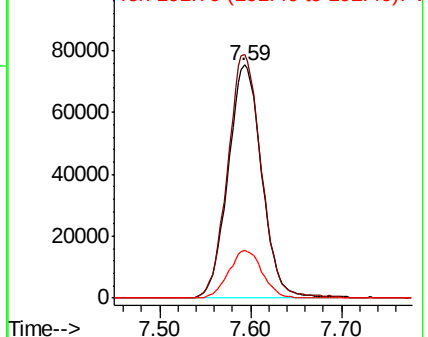
192 20.5 17.0 25.6

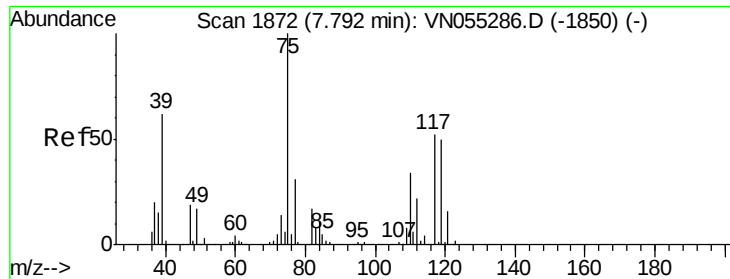


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.742 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampled :

EP1-SB-EB-01

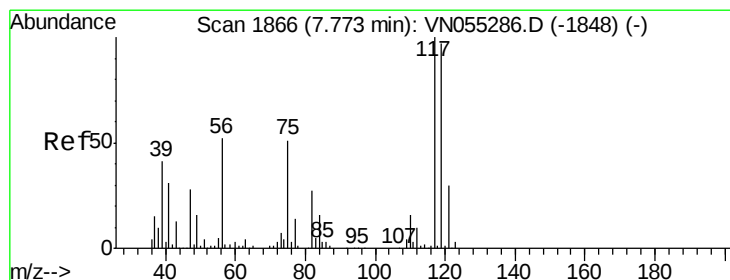
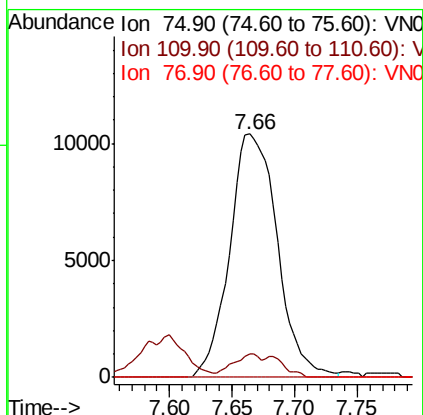
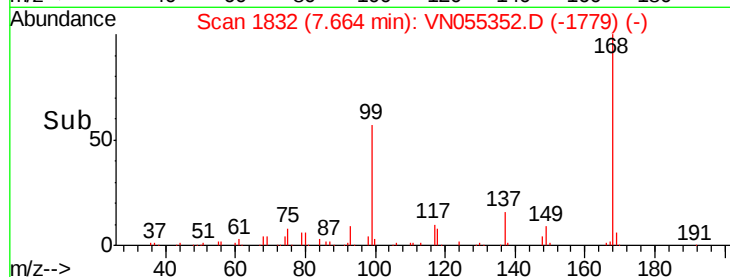
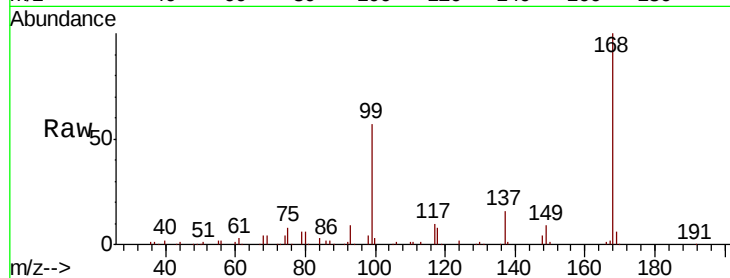
Tot Ion: 75 Resp: 27474

Ion Ratio Lower Upper

75 100

110 4.0 16.8 50.4#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

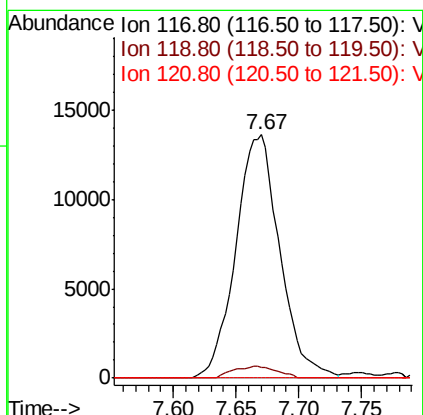
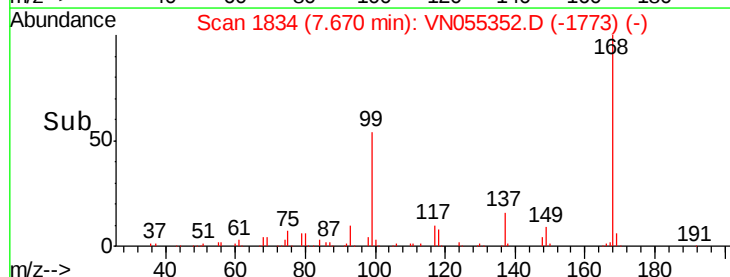
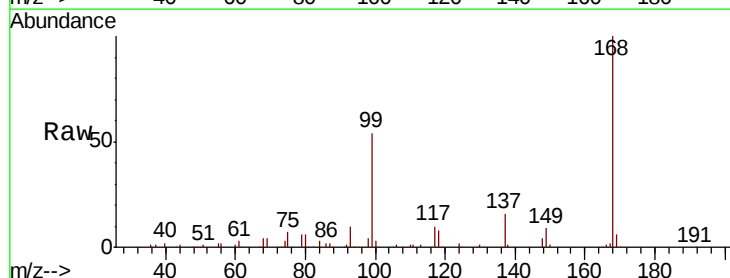
Tgt Ion: 117 Resp: 33278

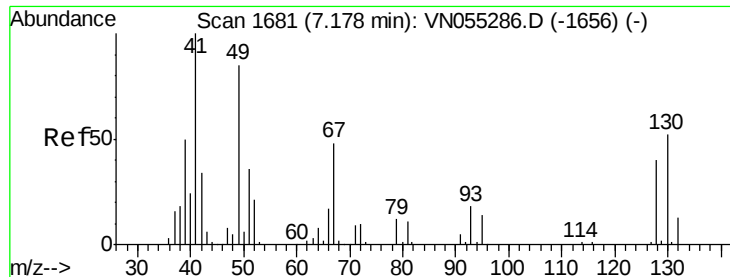
Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 0.778 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.04 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampled :

EP1-SB-EB-01

Tot Ion: 41 Resp: 93

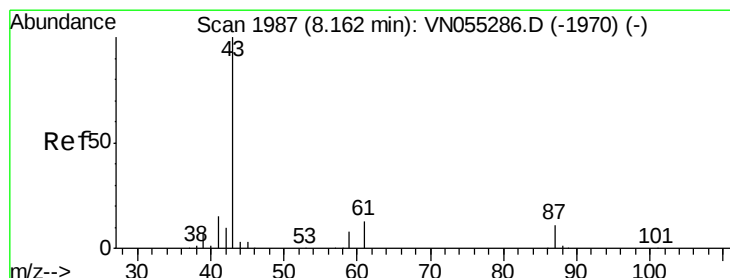
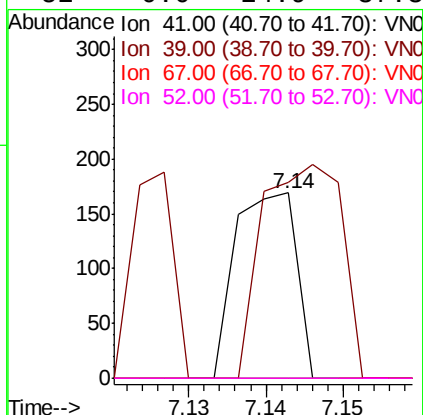
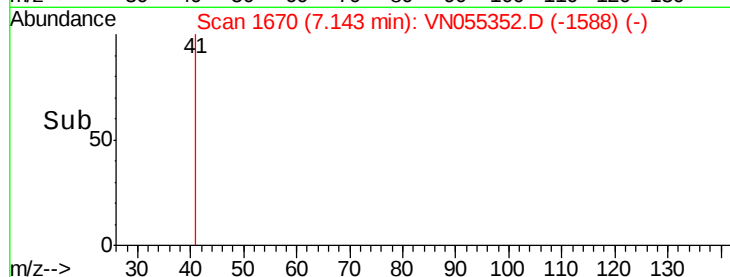
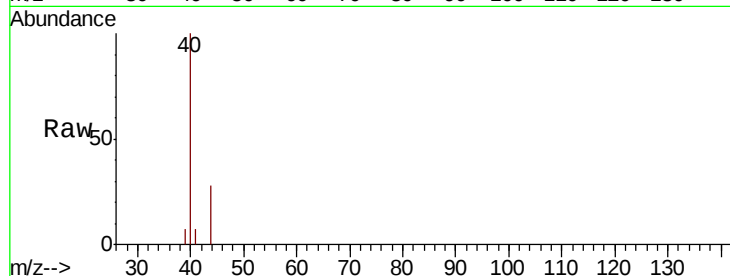
Ion Ratio Lower Upper

41 100

39 150.5 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



#43

Isopropyl Acetate

Concen: 3.535 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.09 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

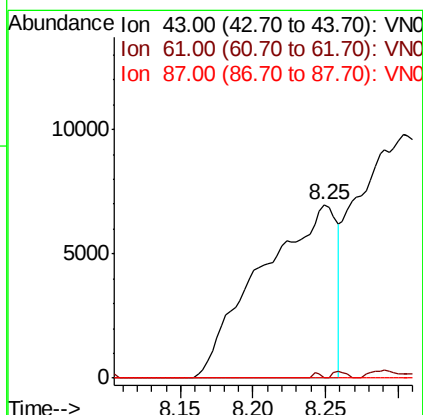
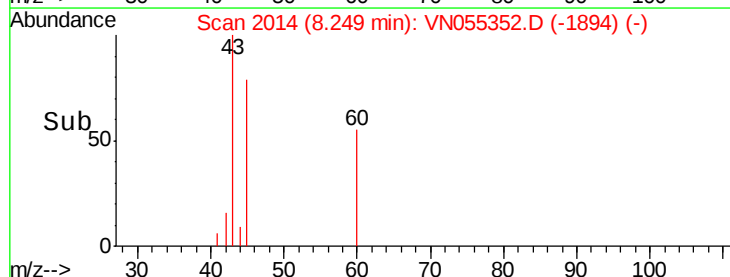
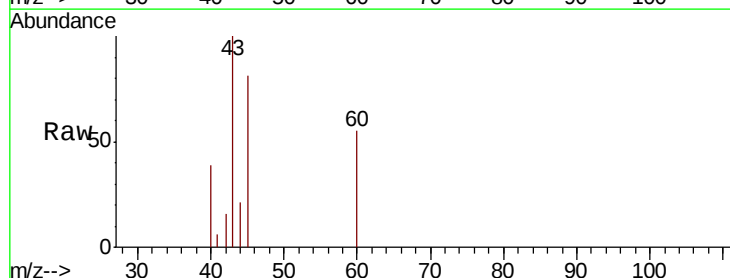
Tgt Ion: 43 Resp: 25225

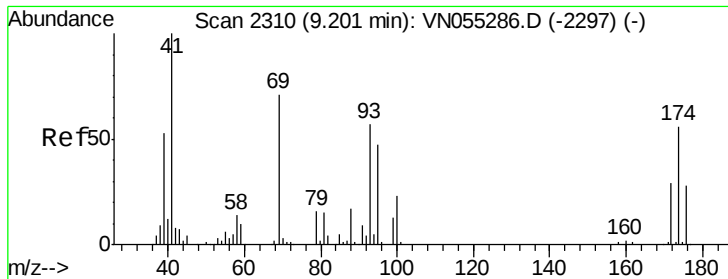
Ion Ratio Lower Upper

43 100

61 0.7 20.8 31.2#

87 0.0 8.5 12.7#

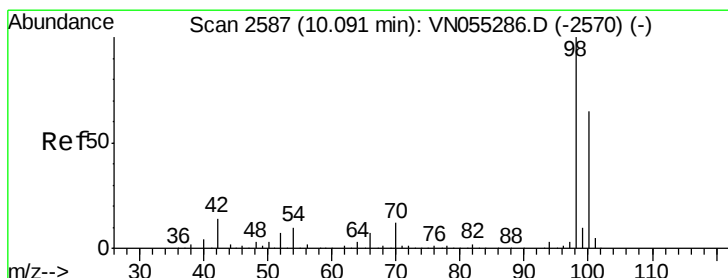
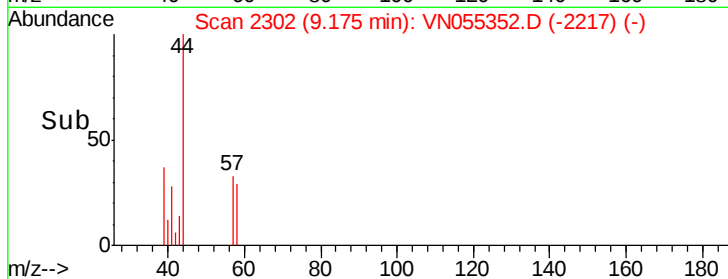
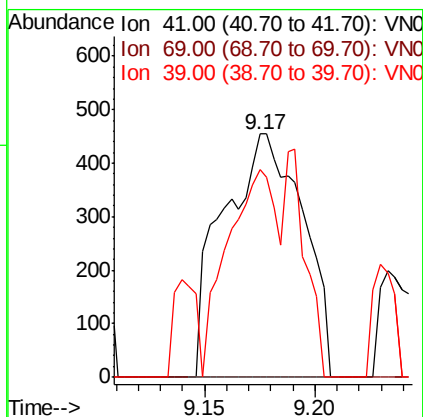
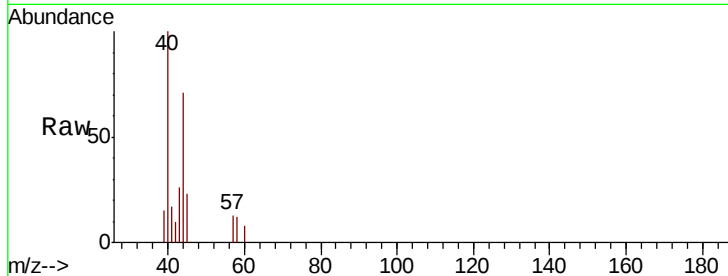




#48
Methyl methacrylate
Concen: 0.325 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

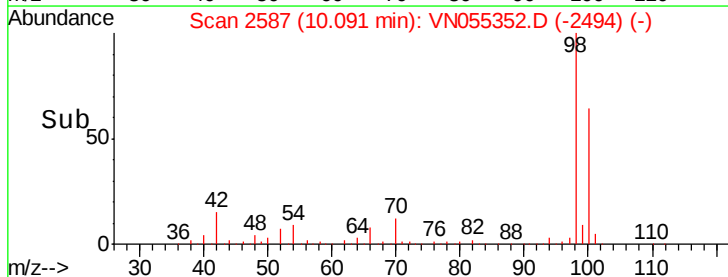
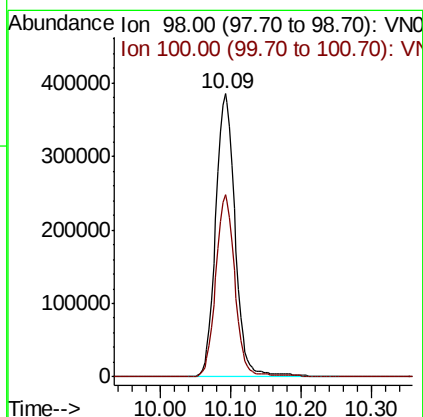
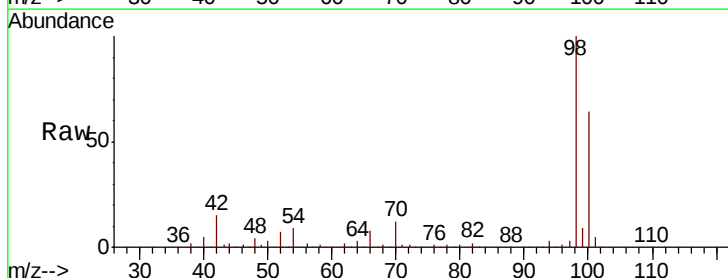
Instrument :
MSVOA_N
ClientSampled :
EP1-SB-EB-01

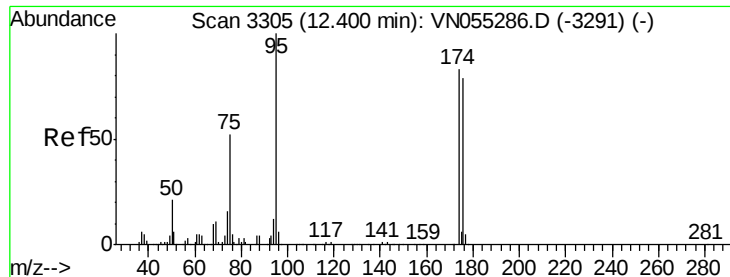
Tot Ion: 41 Resp: 1139
Ion Ratio Lower Upper
41 100
69 0.0 58.6 87.8#
39 53.6 43.8 65.6



#50
Toluene-d8
Concen: 51.638 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

Tgt Ion: 98 Resp: 740280
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 51.319 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-EB-01

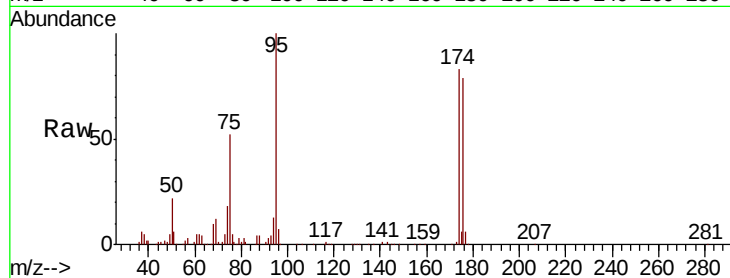
Tot Ion: 95 Resp: 229937

Ion Ratio Lower Upper

95 100

174 84.4 0.0 166.6

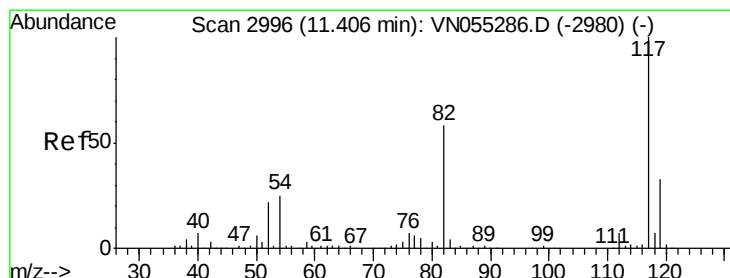
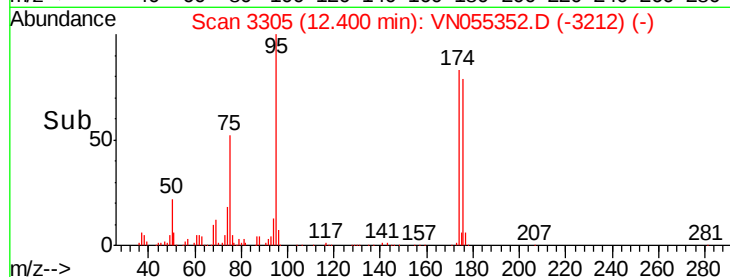
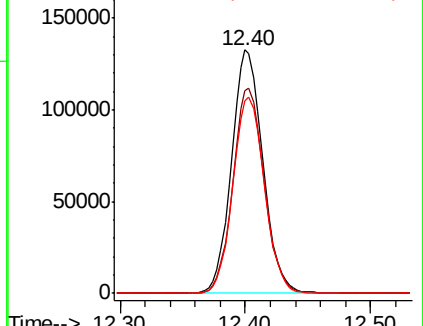
176 81.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055352.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055352.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055352.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

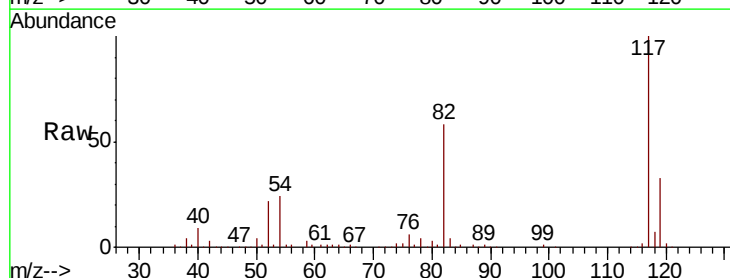
Tgt Ion: 117 Resp: 548335

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.4

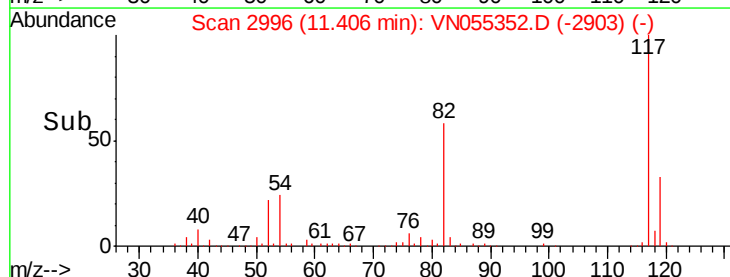
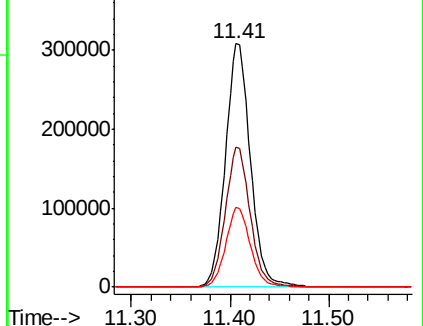
119 32.6 26.6 40.0

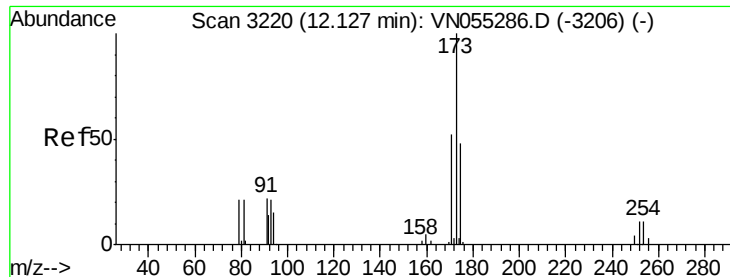


Abundance Ion 116.90 (116.60 to 117.60): VN055352.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055352.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055352.D (-2903) (-)





#71

Bromoform

Concen: 0.933 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-EB-01

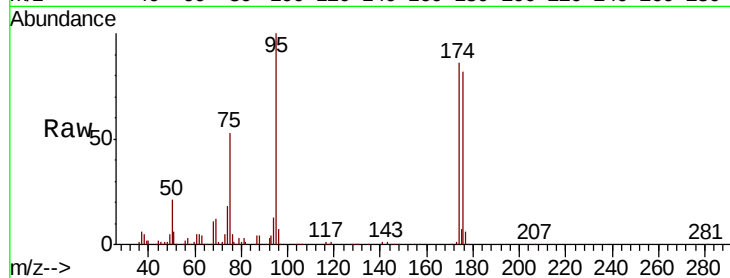
Tot Ion:173 Resp: 2174

Ion Ratio Lower Upper

173 100

175 577.3 23.6 71.0#

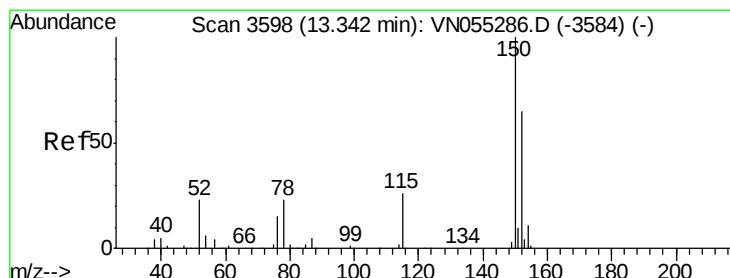
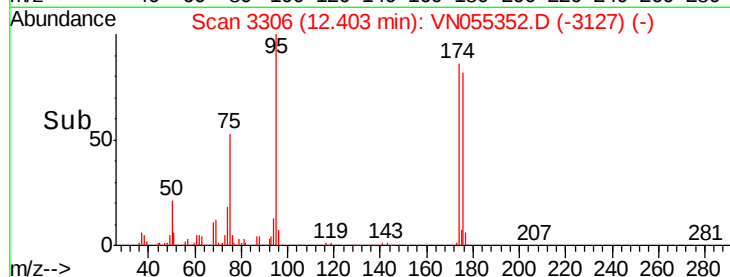
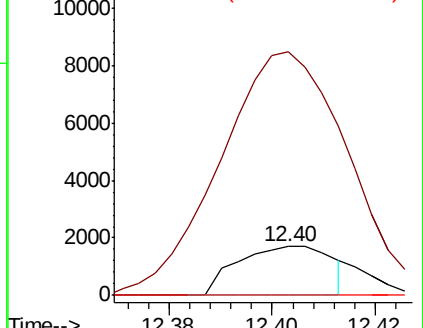
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

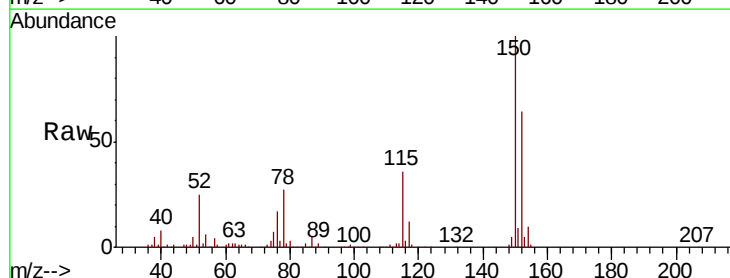
Tgt Ion:152 Resp: 153972

Ion Ratio Lower Upper

152 100

115 57.3 29.0 87.0

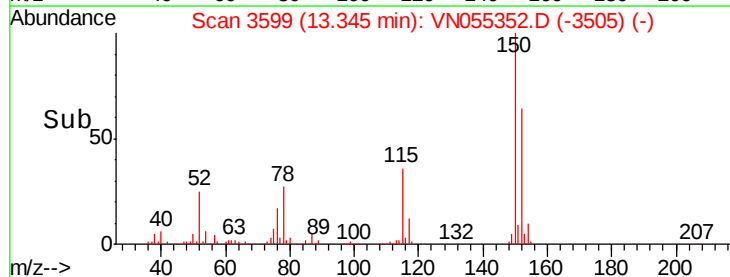
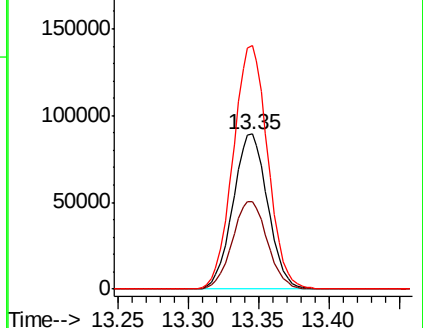
150 156.4 0.0 345.6

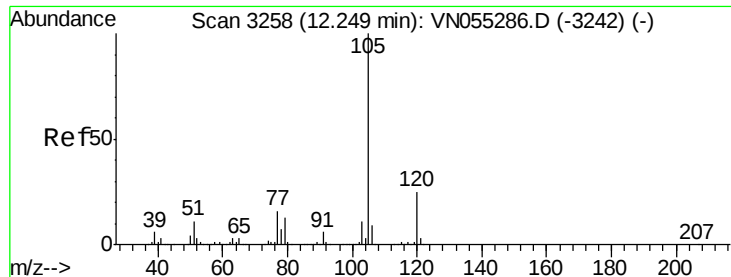


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampled :

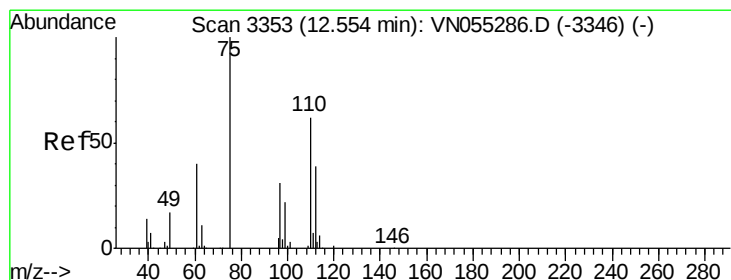
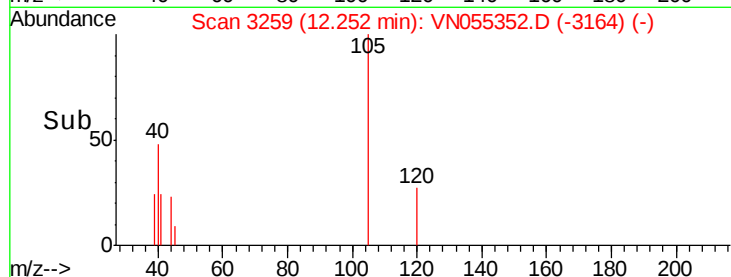
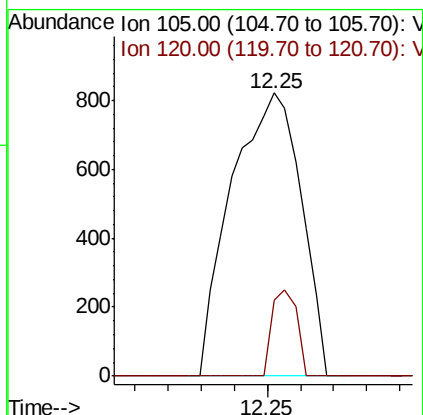
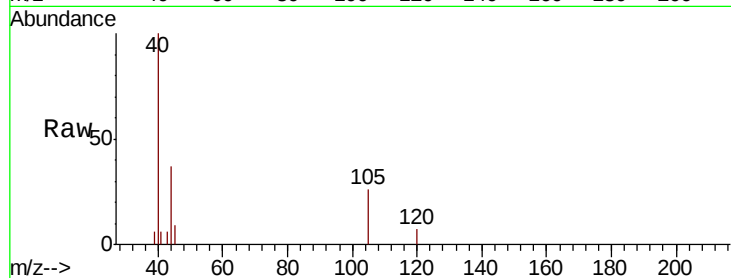
EP1-SB-EB-01

Tot Ion:105 Resp: 1201

Ion Ratio Lower Upper

105 100

120 10.8 12.9 38.7#



#76

1,2,3-Trichloropropane

Concen: 41.128 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055352.D

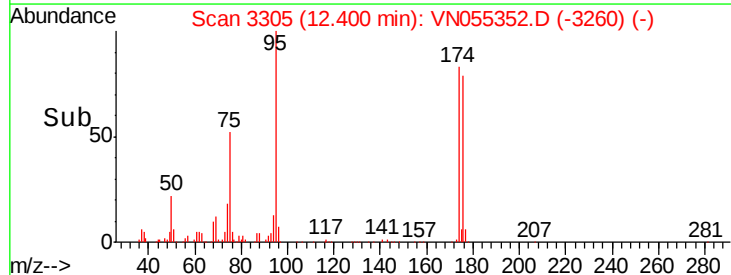
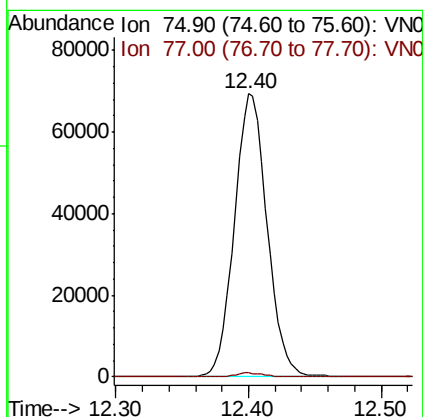
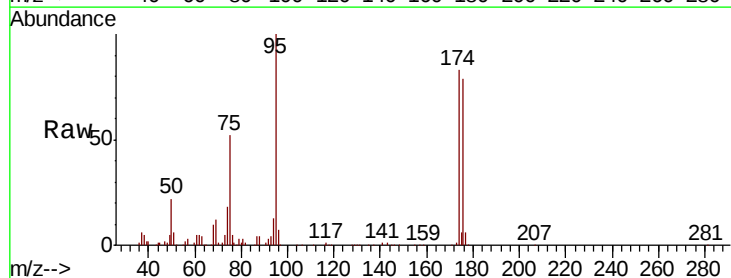
Acq: 2 May 2019 16:19

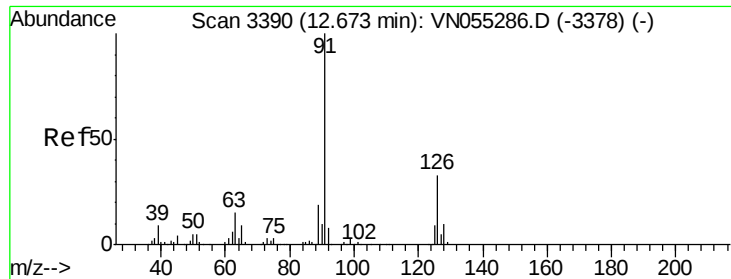
Tgt Ion: 75 Resp: 118986

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampled :

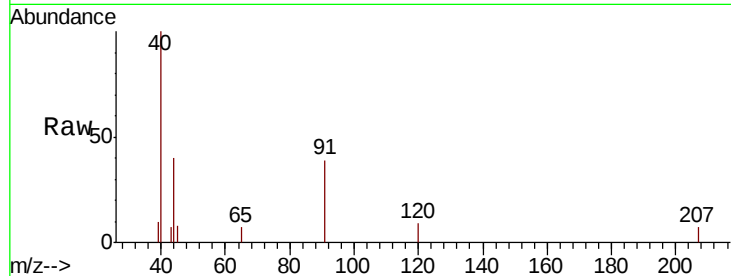
EP1-SB-EB-01

Tot Ion: 91 Resp: 1578

Ion Ratio Lower Upper

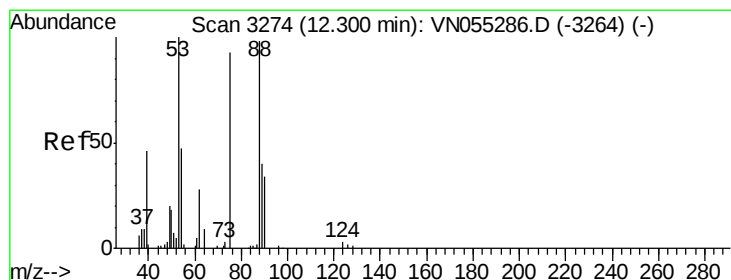
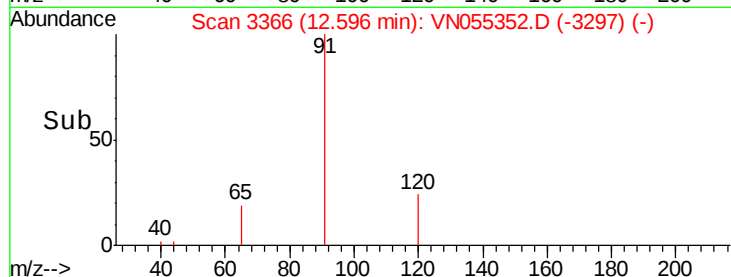
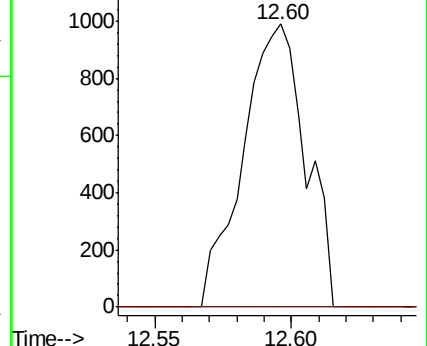
91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN



#81

trans-1,4-Dichloro-2-butene

Concen: 146.446 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

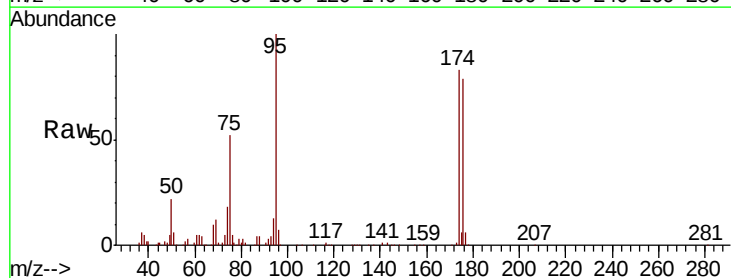
Tgt Ion: 75 Resp: 118986

Ion Ratio Lower Upper

75 100

53 0.1 86.3 129.5#

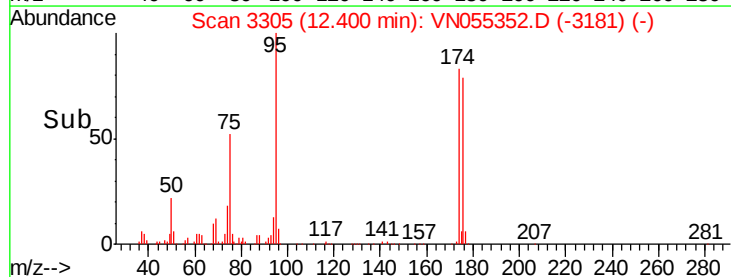
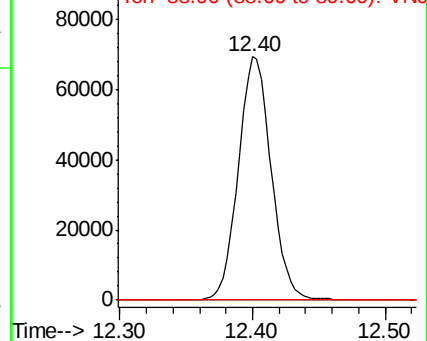
89 0.0 34.6 51.8#

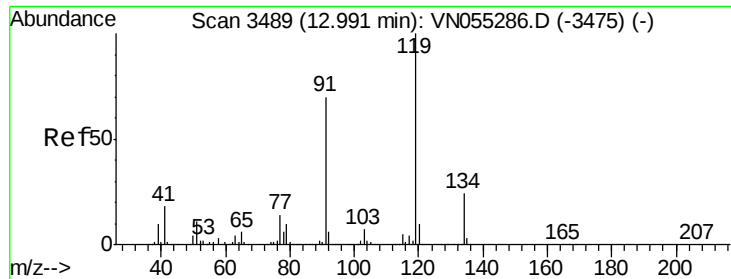


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

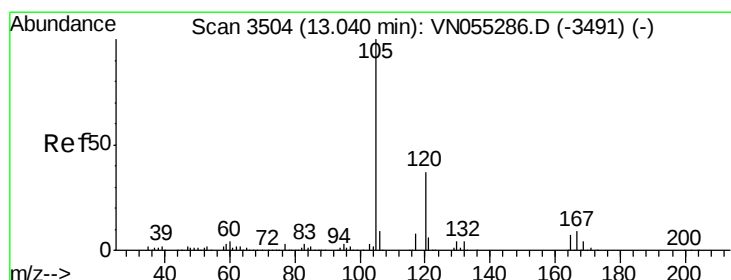
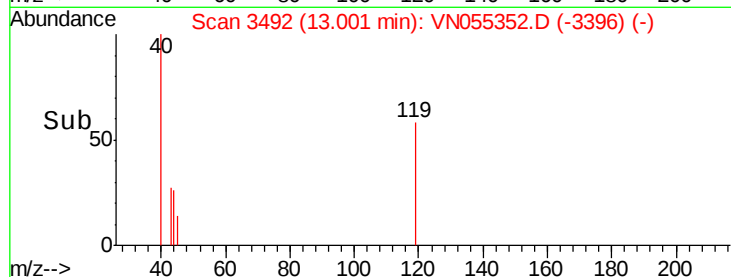
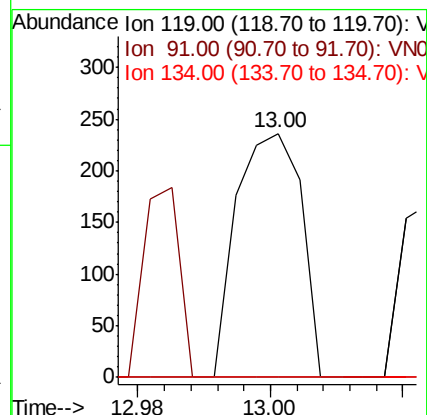
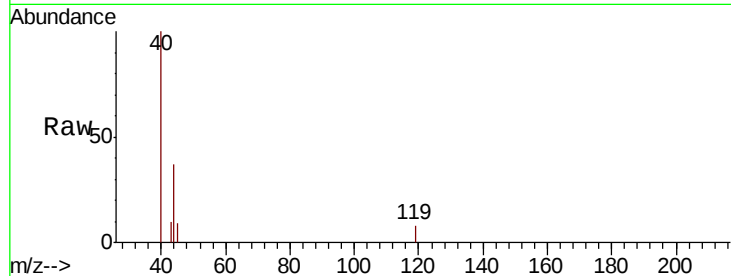




#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

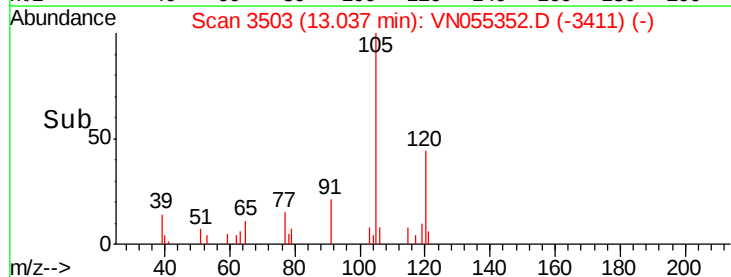
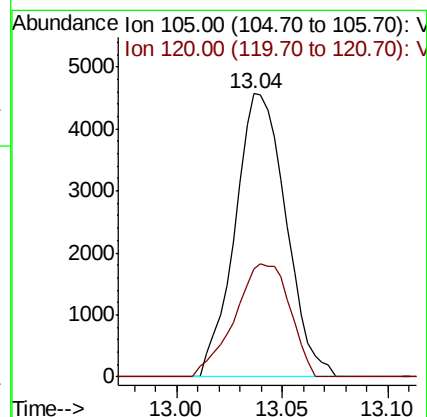
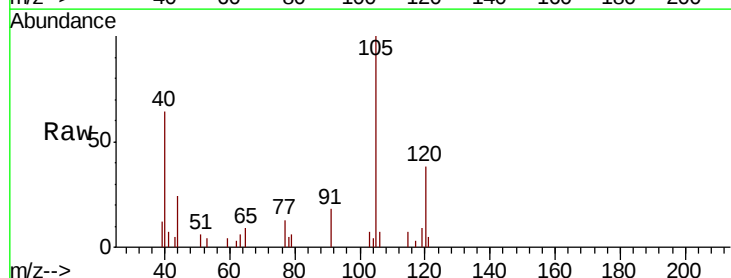
Instrument :
MSVOA_N
ClientSampled :
EP1-SB-EB-01

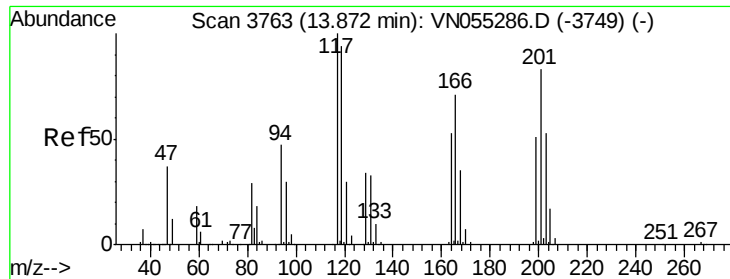
Tot Ion:119 Resp: 160
Ion Ratio Lower Upper
119 100
91 43.1 34.3 102.9
134 0.0 13.1 39.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.711 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055352.D
Acq: 2 May 2019 16:19

Tgt Ion:105 Resp: 7678
Ion Ratio Lower Upper
105 100
120 43.4 22.1 66.5





#90

Hexachloroethane

Concen: Below Cal

RT: 14.00 min Scan# 3802

Delta R.T. 0.13 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

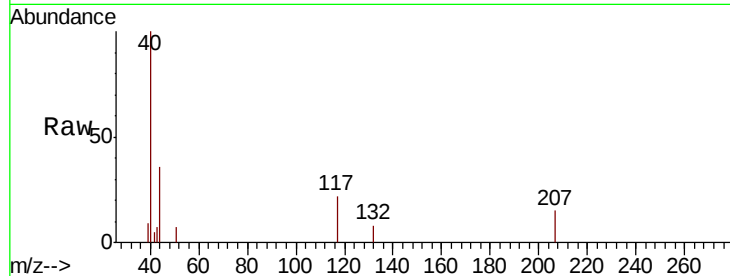
EP1-SB-EB-01

Tot Ion:117 Resp: 798

Ion Ratio Lower Upper

117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.00

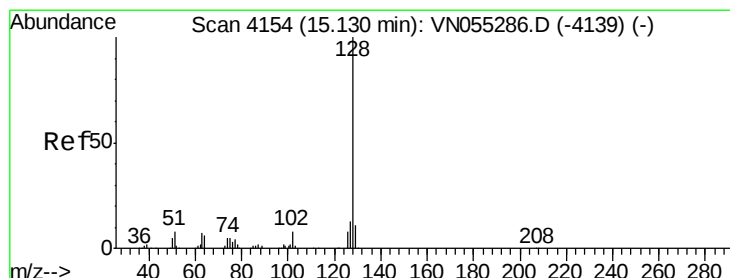
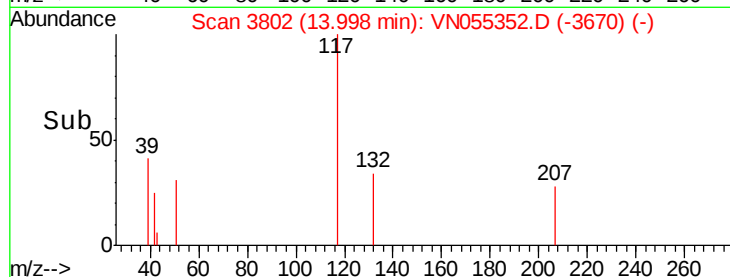
600

400

200

0

Time--> 13.95 14.00



#95

Naphthalene

Concen: 3.335 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055352.D

Acq: 2 May 2019 16:19

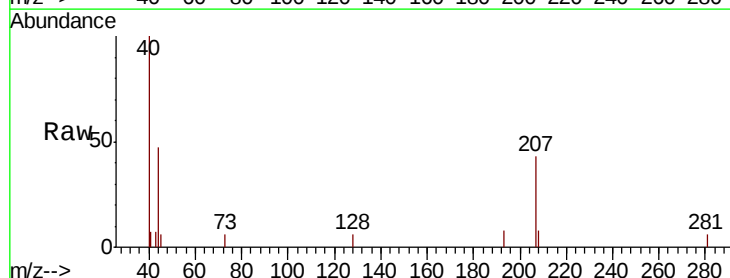
Tgt Ion:128 Resp: 30

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.14

200

150

100

50

0

Time--> 15.13 15.14

