

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055447.D
 Acq On : 7 May 2019 19:16
 Operator : JC/SP
 Sample : K2658-20
 Misc : 6.31g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Quant Time: May 08 05:52:06 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

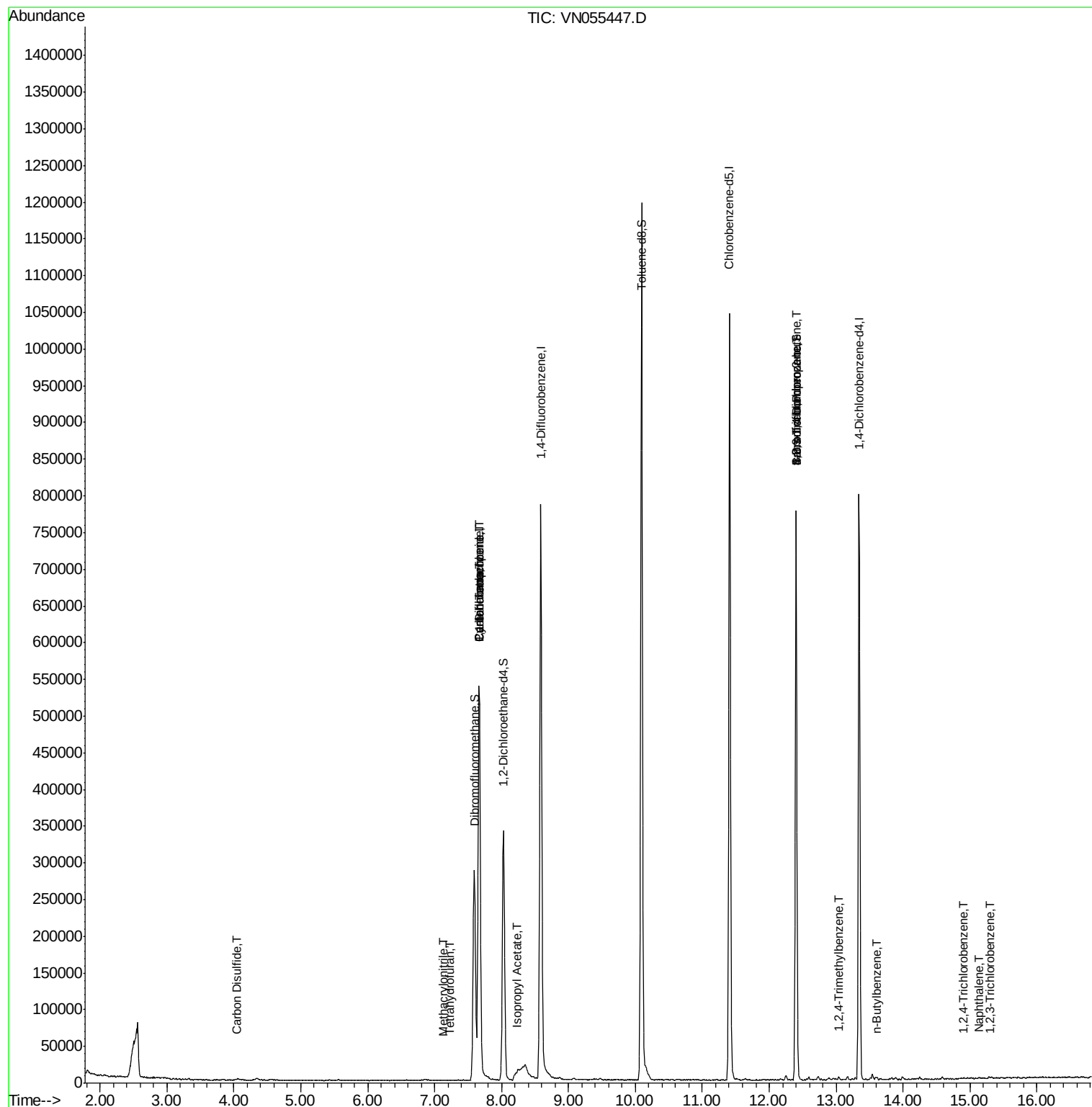
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	446729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	694092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	579461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207093	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	291518	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	220609	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.09	98	820095	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	260764	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.04	76	2704	0.235	ug/l #	74
29) Tetrahydrofuran	7.22	42	378	0.253	ug/l #	40
31) Cyclohexane	7.67	56	9895	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	35069	5.275	ug/l #	50
38) Carbon Tetrachloride	7.66	117	43316	6.754	ug/l #	16
41) Methacrylonitrile	7.13	41	151	0.794	ug/l #	22
43) Isopropyl Acetate	8.22	43	7886	0.963	ug/l #	56
71) Bromoform	12.40	173	2291	0.931	ug/l #	1
73) Isopropylbenzene	12.25	105	4353	Below Cal		99
75) 1,1,2,2-Tetrachloroethane	12.39	83	67	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	133290	33.812	ug/l #	100
77) Bromobenzene	12.54	156	29	Below Cal	#	1
79) 2-Chlorotoluene	12.68	91	538	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	133290	121.971	ug/l #	7
83) tert-Butylbenzene	12.99	119	632	Below Cal	#	73
84) 1,2,4-Trimethylbenzene	13.04	105	2991	0.206	ug/l	100
89) n-Butylbenzene	13.62	91	2067	0.201	ug/l #	69
90) Hexachloroethane	13.95	117	334	Below Cal	#	7
93) 1,2,4-Trichlorobenzene	14.91	180	606	3.520	ug/l	60
94) Hexachlorobutadiene	15.01	225	279	Below Cal	#	52
95) Naphthalene	15.13	128	761	3.452	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	271	2.709	ug/l #	65

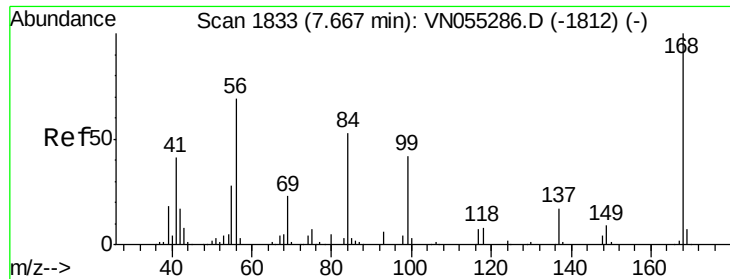
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EP1-SB-W5-6(17-20)

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

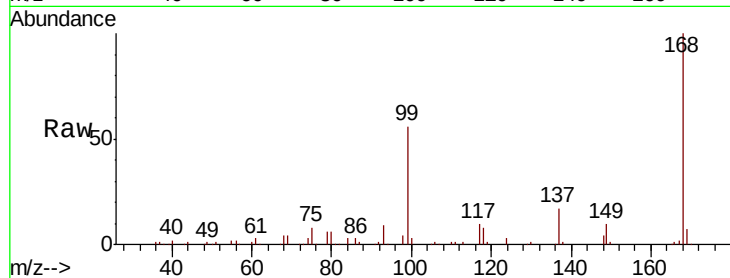
EP1-SB-W5-6(17-20)

Tot Ion:168 Resp: 446729

Ion Ratio Lower Upper

168 100

99 56.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.66

200000

150000

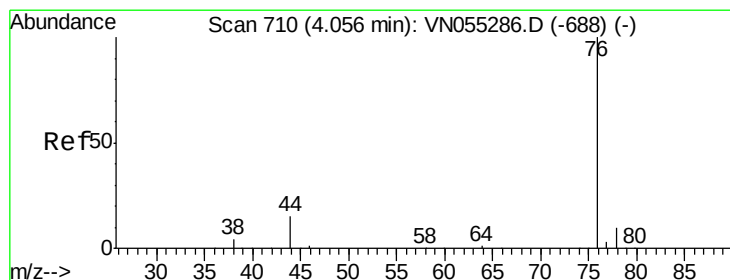
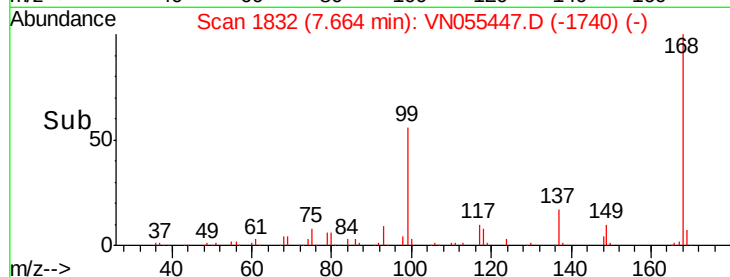
100000

50000

0

7.60 7.70

Time-->



#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.02 min

Lab File: VN055447.D

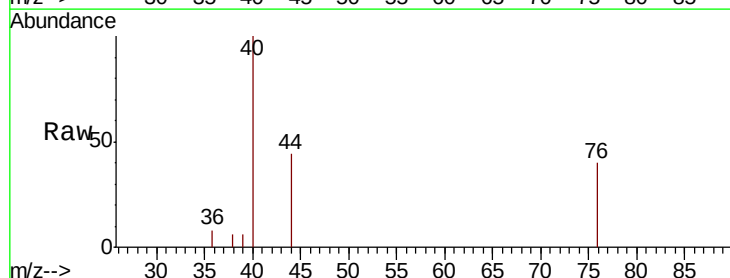
Acq: 7 May 2019 19:16

Tgt Ion: 76 Resp: 2704

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN055286.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN055286.D (-688) (-)

4.04

1200

1000

800

600

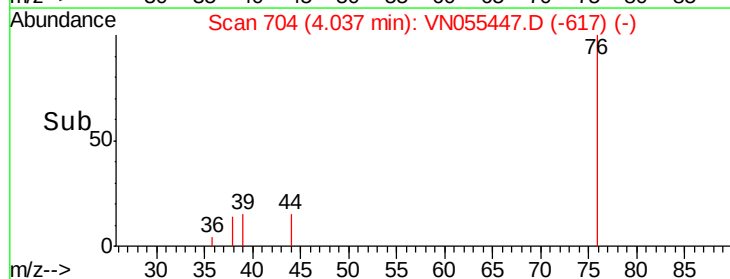
400

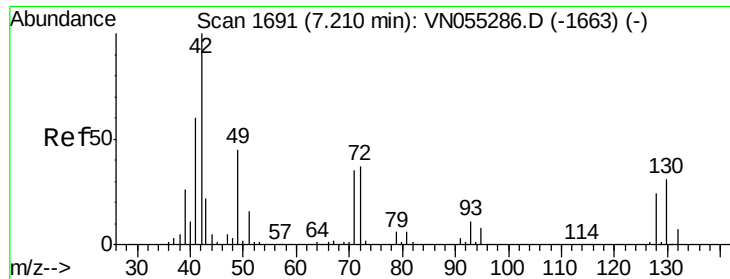
200

0

4.00 4.05 4.10

Time-->

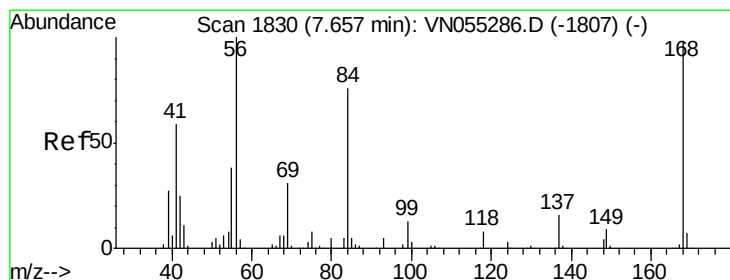
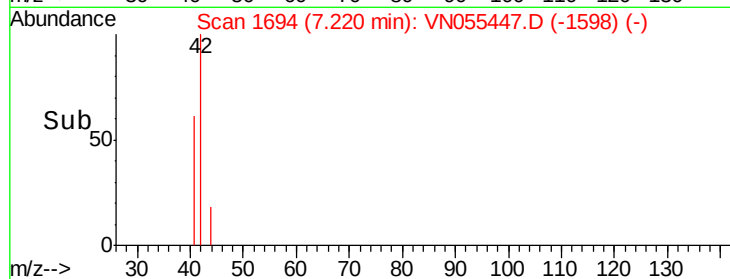
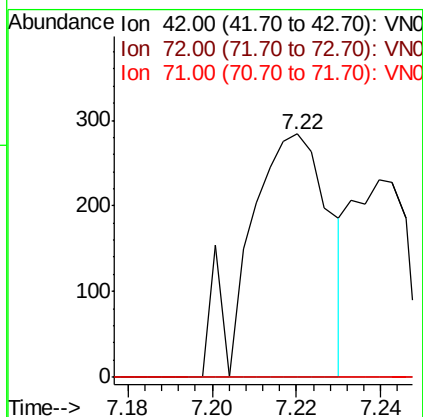
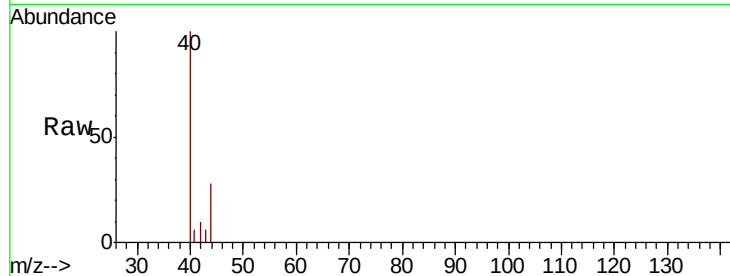




#29
Tetrahydrofuran
Concen: 0.253 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055447.D
Acq: 7 May 2019 19:16

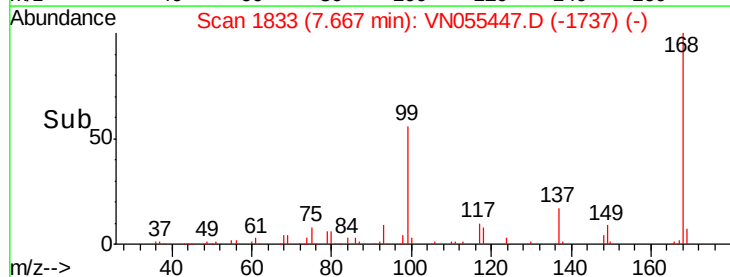
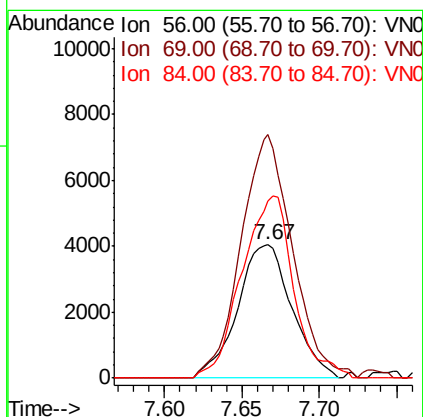
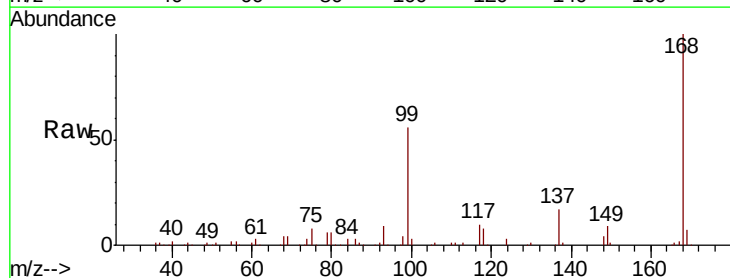
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W5-6(17-20)

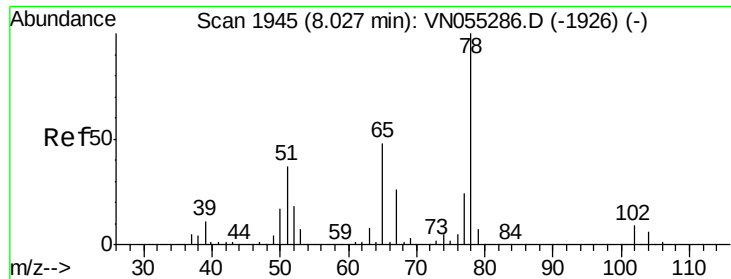
Tot Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 0.0 29.0 43.6#
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055447.D
Acq: 7 May 2019 19:16

Tgt Ion: 56 Resp: 9895
Ion Ratio Lower Upper
56 100
69 182.8 25.2 37.8#
84 133.4 61.1 91.7#

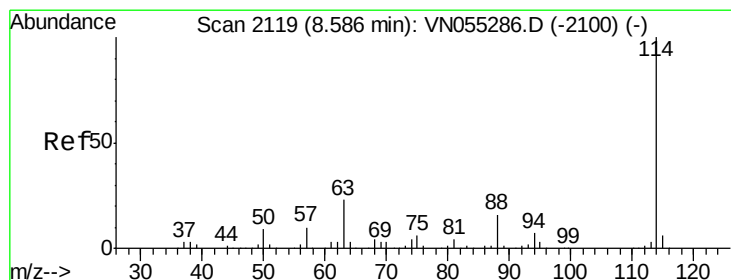
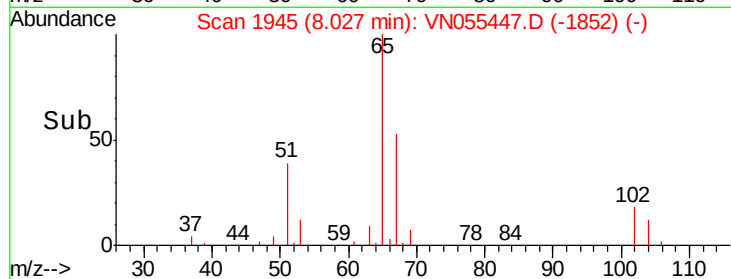
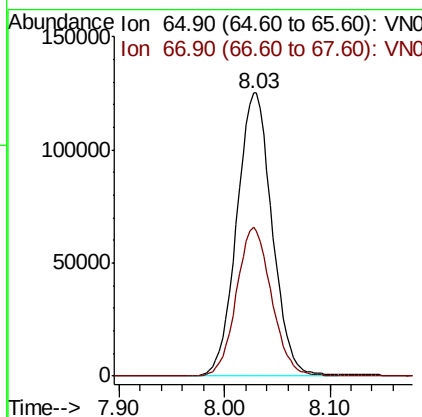
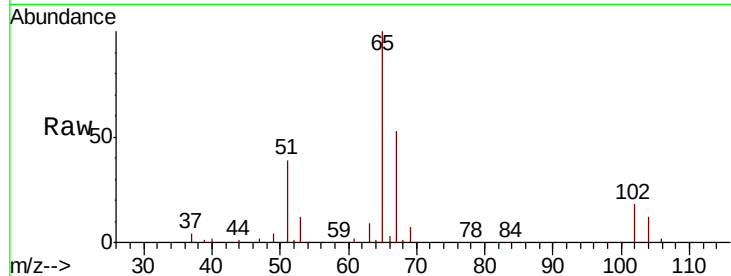




#33
 1,2-Dichloroethane-d4
 Concen: 49.881 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

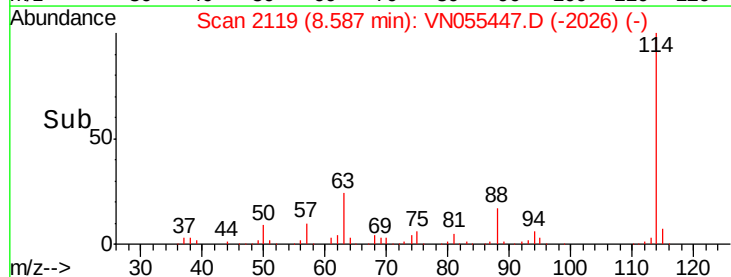
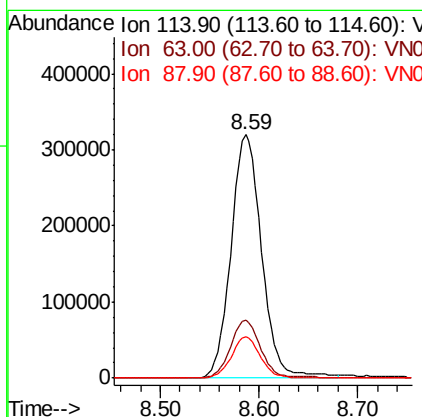
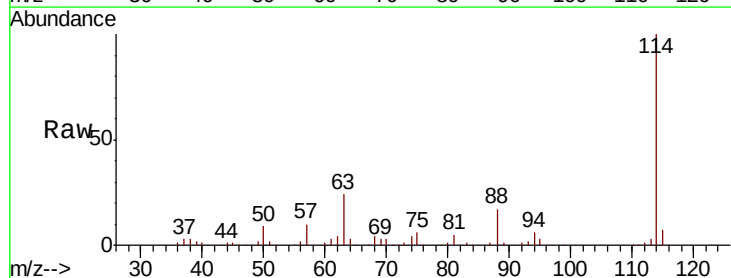
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

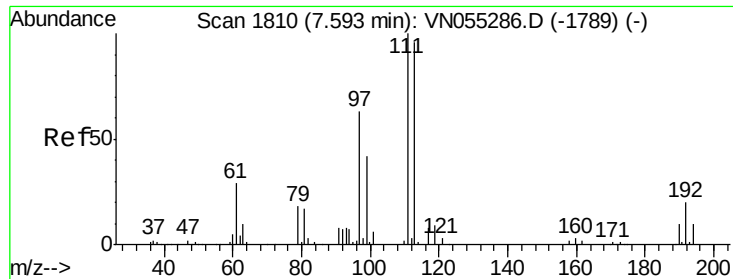
Tot Ion: 65 Resp: 291518
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

Tgt Ion: 114 Resp: 694092
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.2
 88 16.9 0.0 31.6

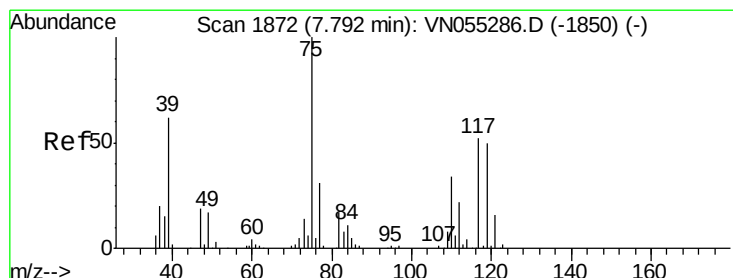
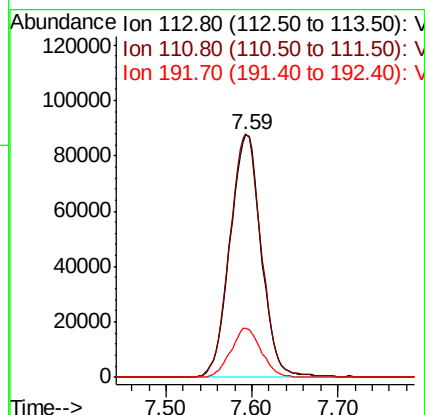
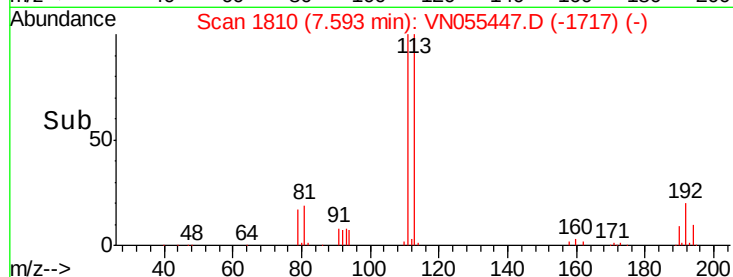
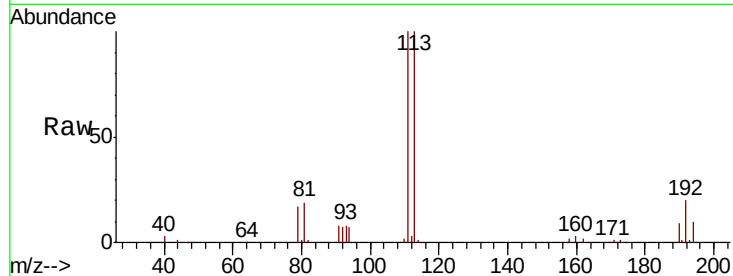




#35
 Dibromofluoromethane
 Concen: 48.424 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

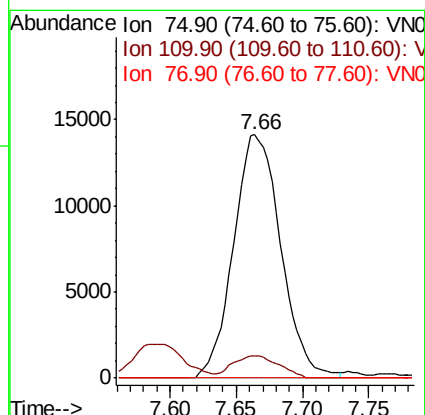
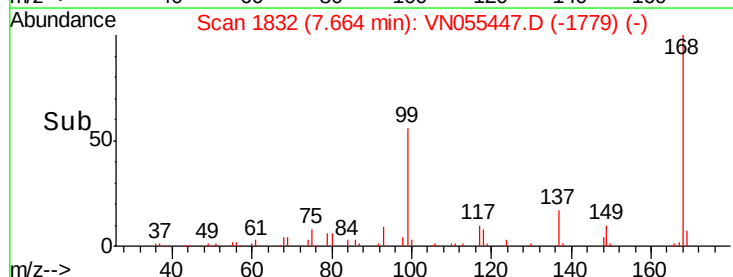
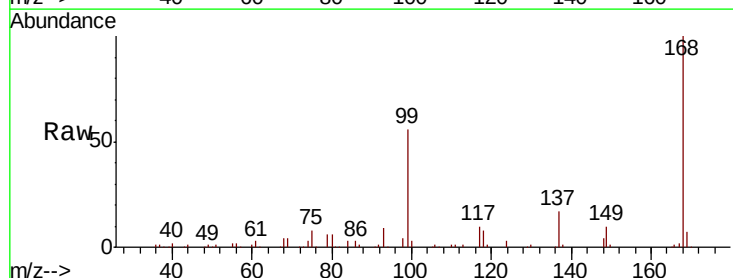
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

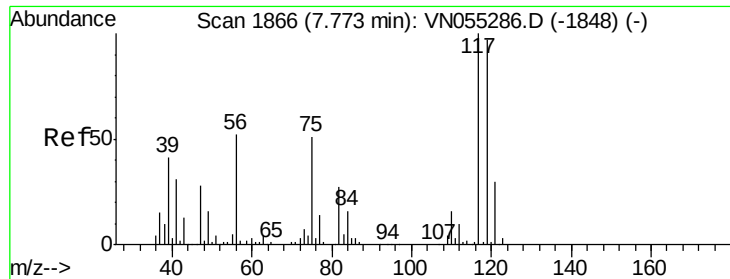
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.3	123.5
192	19.8	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 5.275 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.754 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

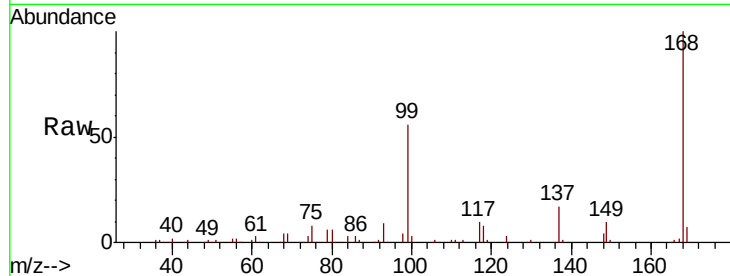
Tot Ion:117 Resp: 43316

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

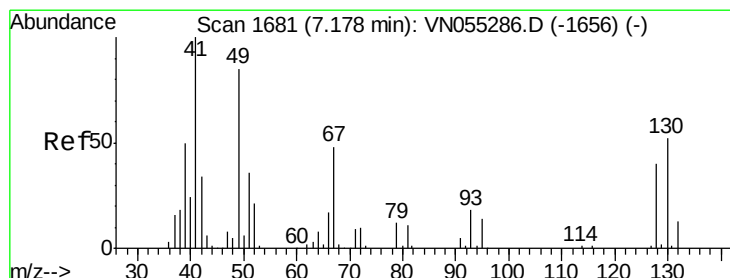
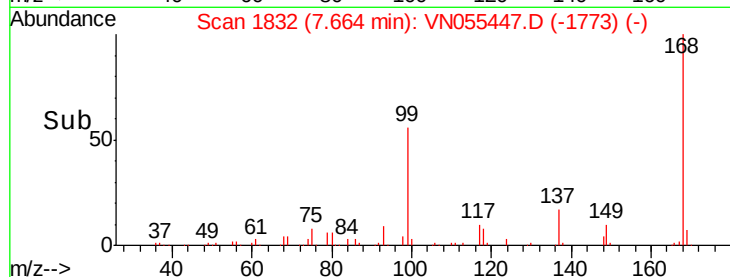
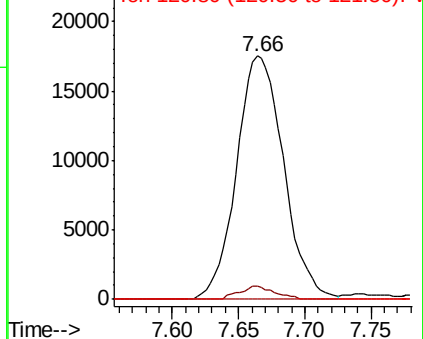
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.794 ug/l

RT: 7.13 min Scan# 1667

Delta R.T. -0.04 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Tgt Ion: 41 Resp: 151

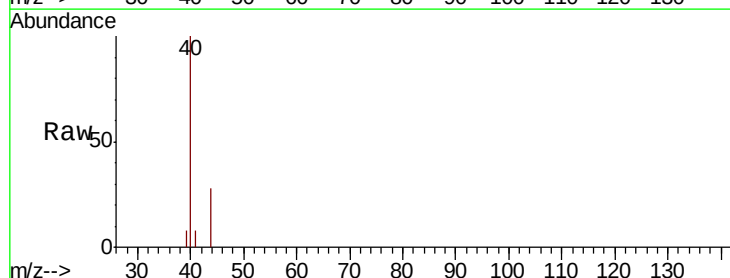
Ion Ratio Lower Upper

41 100

39 122.5 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

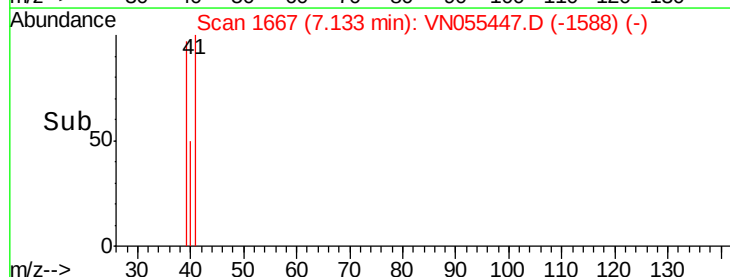
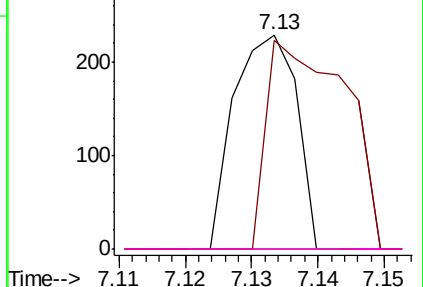


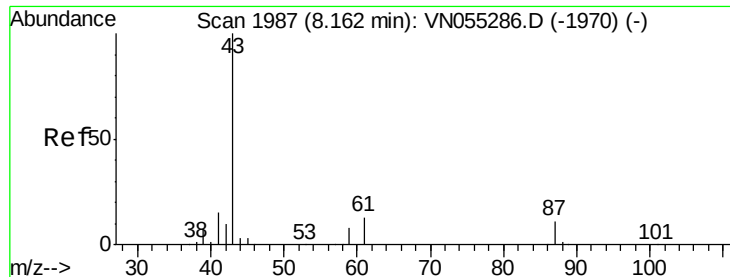
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 0.963 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

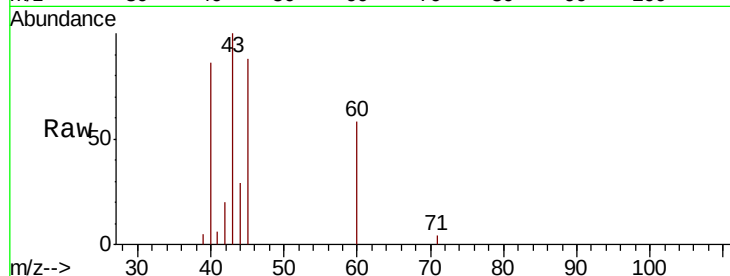
Tot Ion: 43 Resp: 7886

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

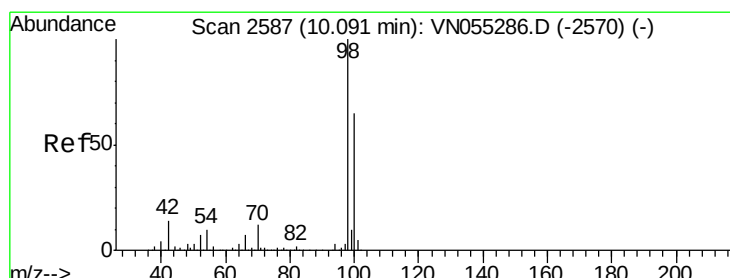
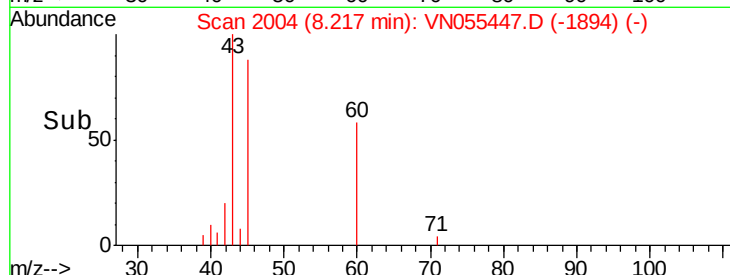
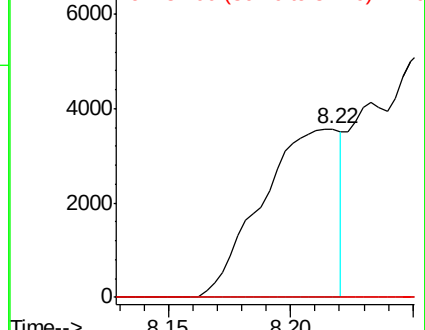
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.852 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055447.D

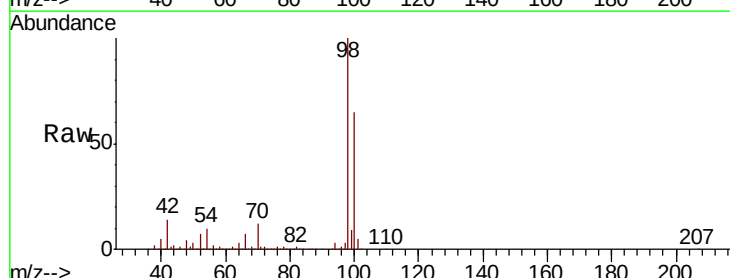
Acq: 7 May 2019 19:16

Tgt Ion: 98 Resp: 820095

Ion Ratio Lower Upper

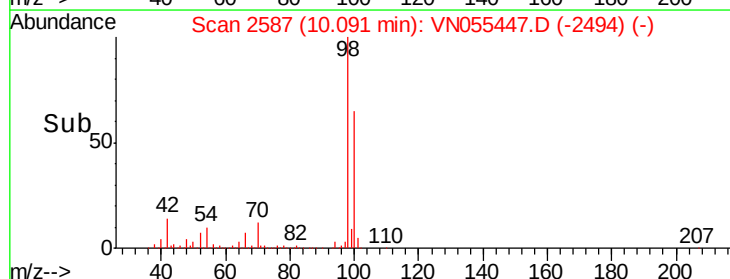
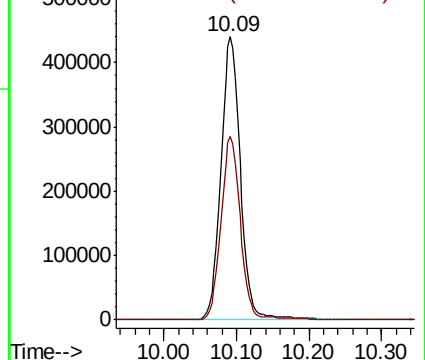
98 100

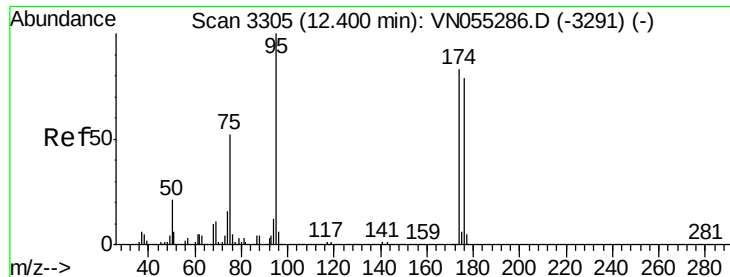
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

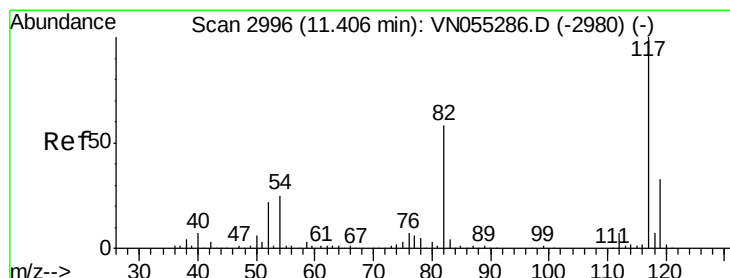
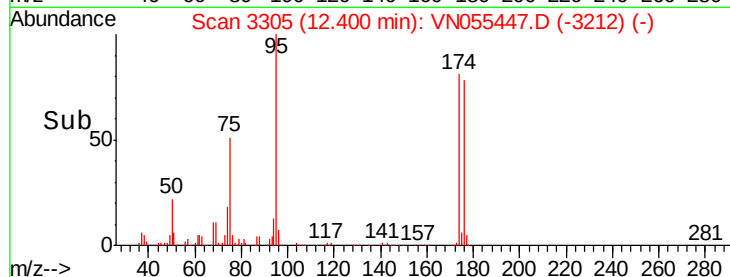
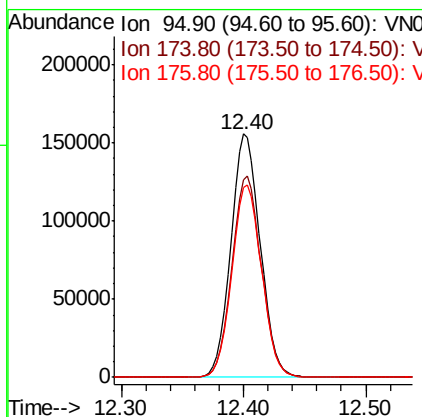
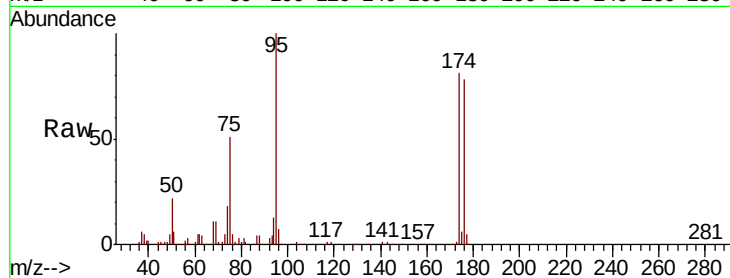




#62
4-Bromofluorobenzene
Concen: 50.719 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055447.D
Acq: 7 May 2019 19:16

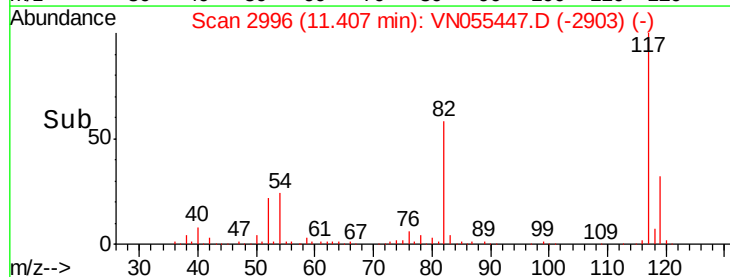
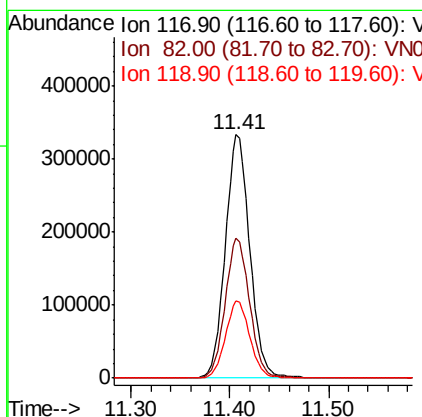
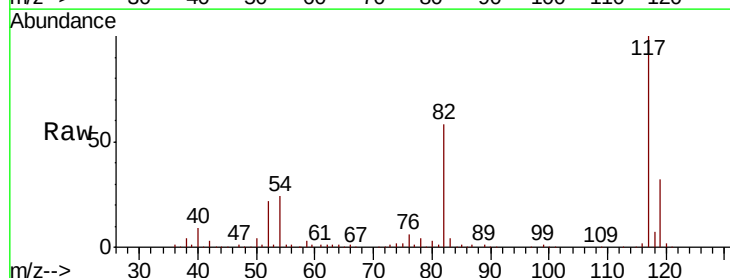
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W5-6(17-20)

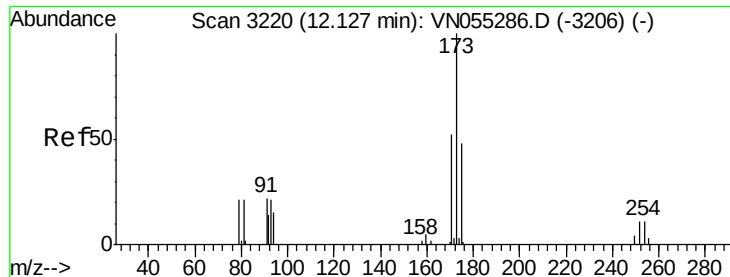
Tot Ion	95	Resp	260764
Ion Ratio	100		
Lower			
Upper			
174	82.9	0.0	166.6
176	79.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055447.D
Acq: 7 May 2019 19:16

Tgt Ion	117	Resp	579461
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	57.7	46.2	69.4
119	31.8	26.6	40.0





#71

Bromoform

Concen: 0.931 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

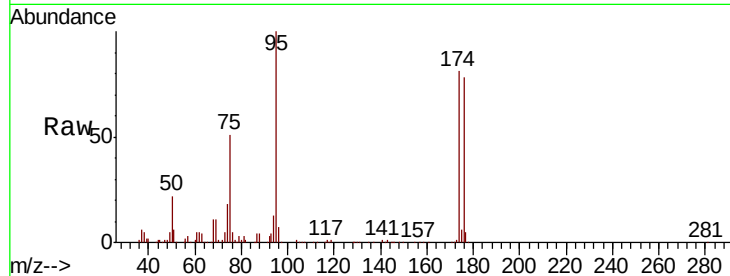
Tot Ion:173 Resp: 2291

Ion Ratio Lower Upper

173 100

175 618.8 23.6 71.0#

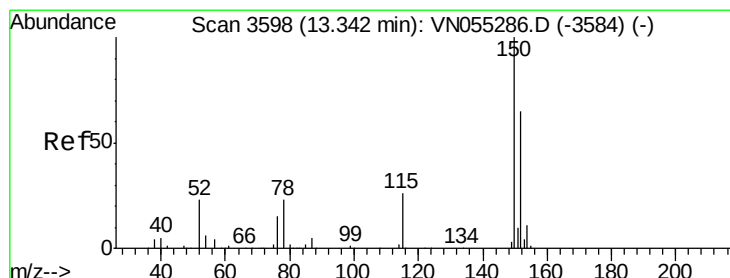
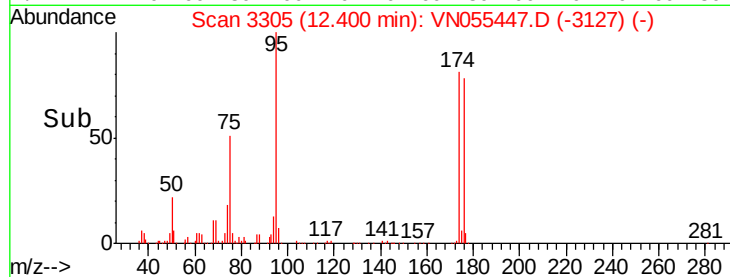
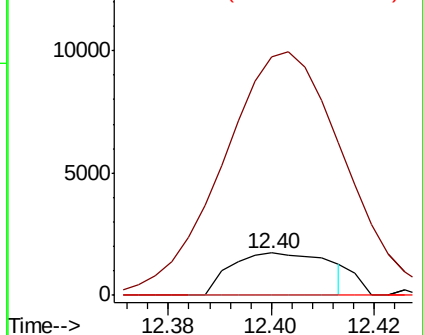
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

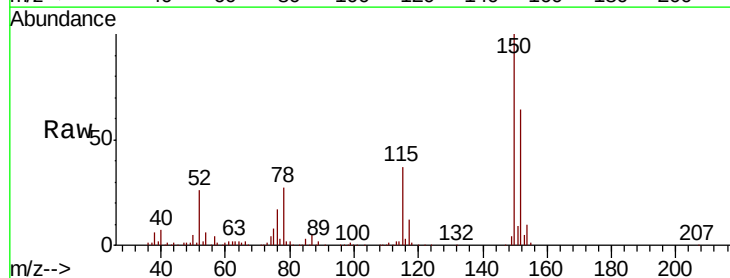
Tgt Ion:152 Resp: 207093

Ion Ratio Lower Upper

152 100

115 59.0 29.0 87.0

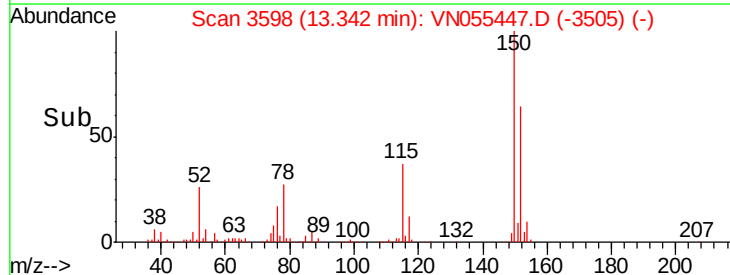
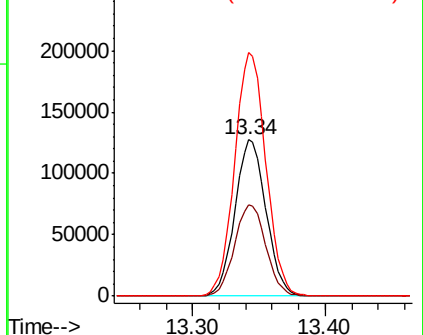
150 156.8 0.0 345.6

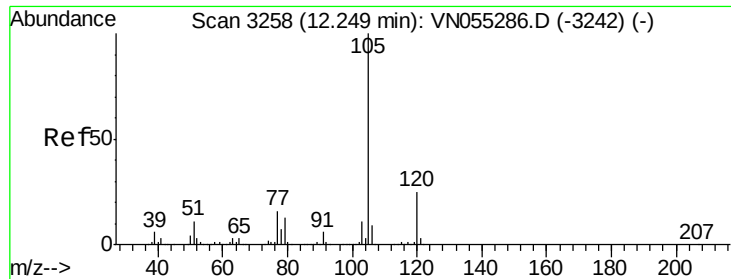


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3258

Delta R.T. 0.00 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

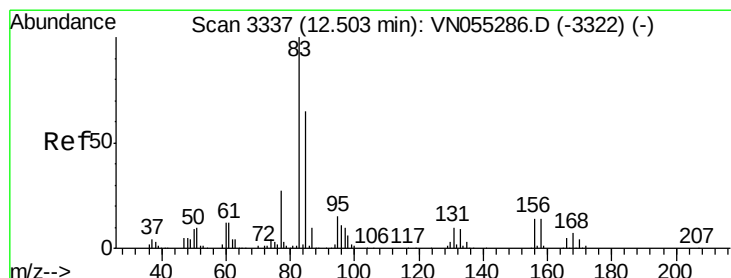
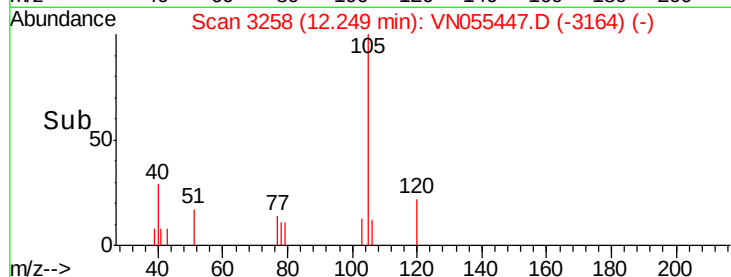
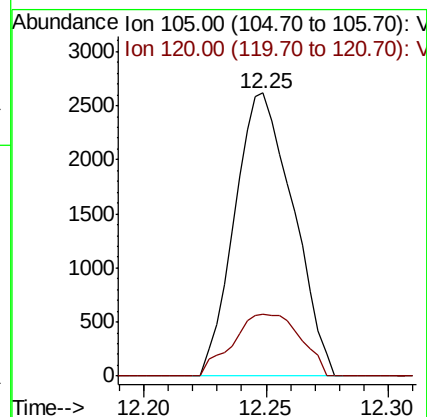
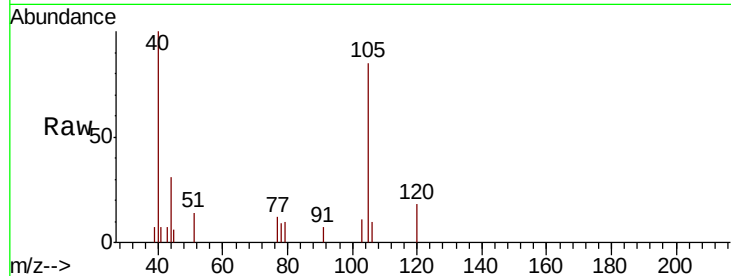
EP1-SB-W5-6(17-20)

Tot Ion:105 Resp: 4353

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3303

Delta R.T. -0.11 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

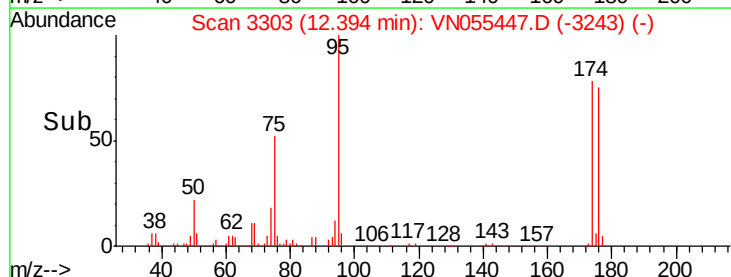
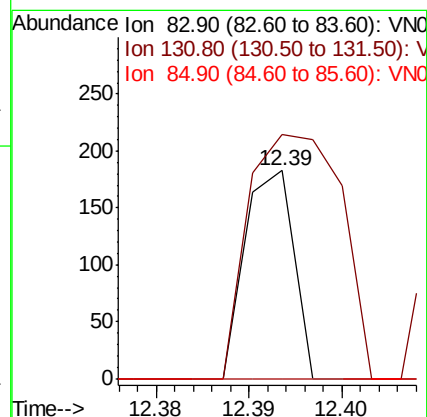
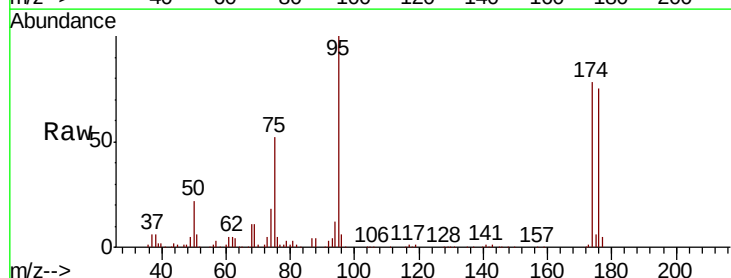
Tgt Ion: 83 Resp: 67

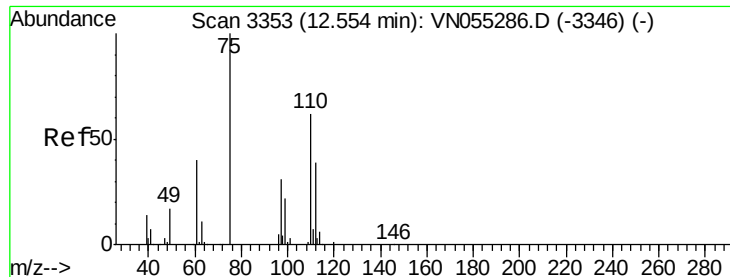
Ion Ratio Lower Upper

83 100

131 222.4 5.1 15.2#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 33.812 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

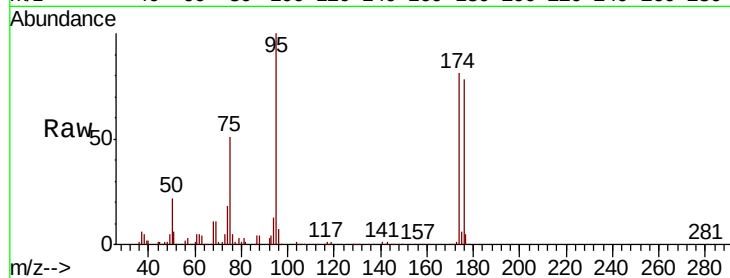
EP1-SB-W5-6(17-20)

Tot Ion: 75 Resp: 133290

Ion Ratio Lower Upper

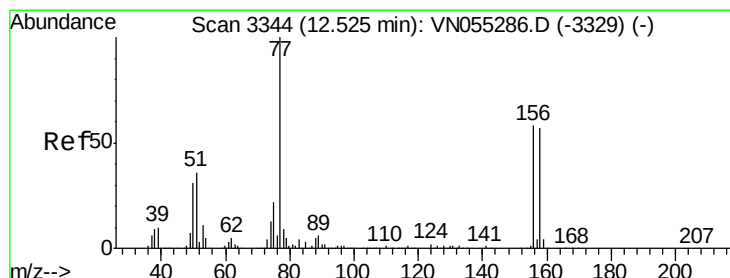
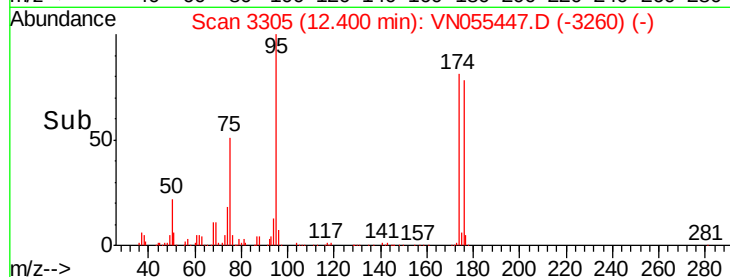
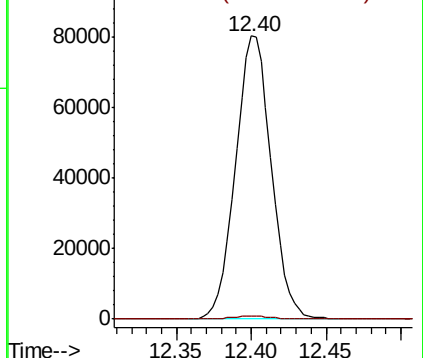
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.54 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

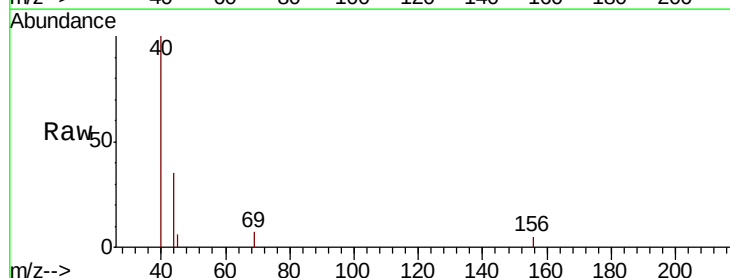
Tgt Ion: 156 Resp: 29

Ion Ratio Lower Upper

156 100

77 813.8 99.6 298.8#

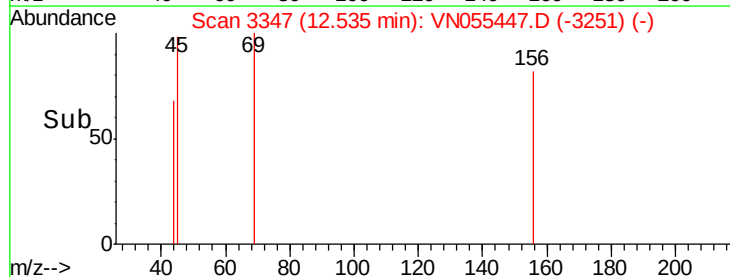
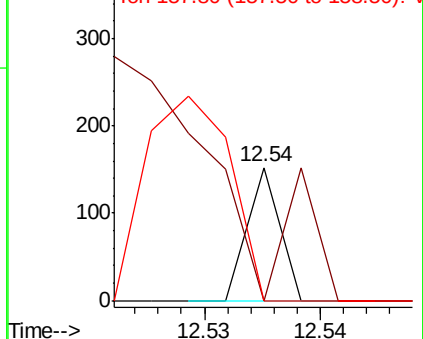
158 410.3 49.3 147.8#

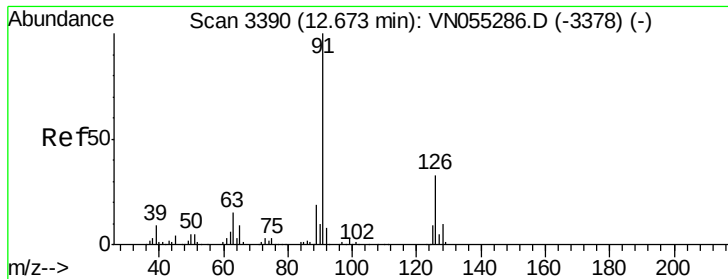


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

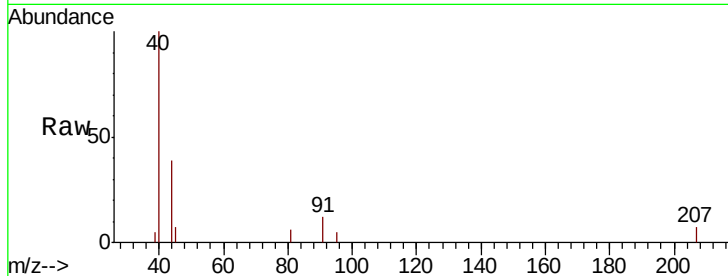
EP1-SB-W5-6(17-20)

Tot Ion: 91 Resp: 538

Ion Ratio Lower Upper

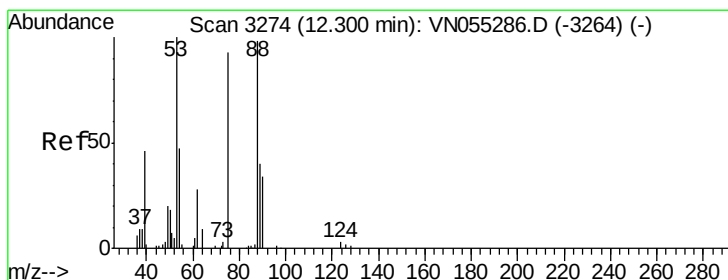
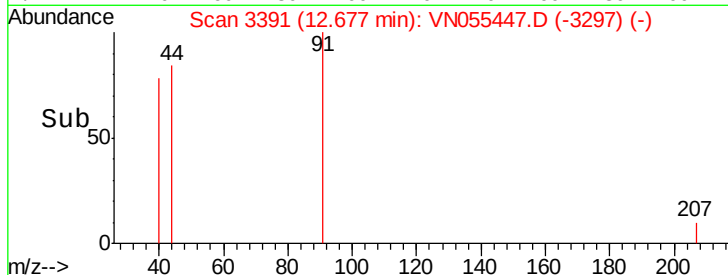
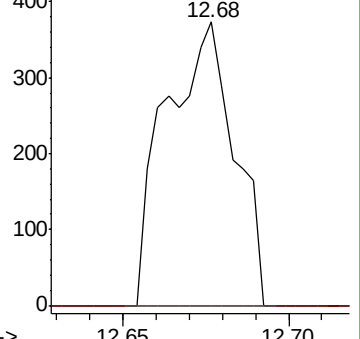
91 100

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): V



#81

trans-1,4-Dichloro-2-butene

Concen: 121.971 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

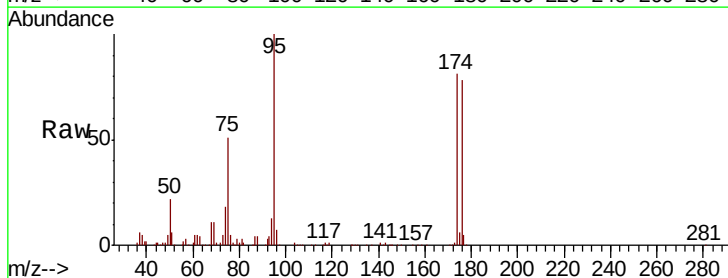
Tgt Ion: 75 Resp: 133290

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

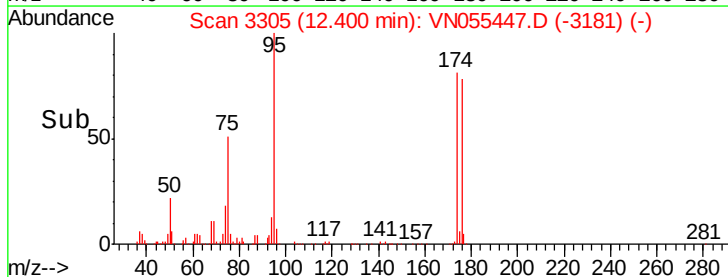
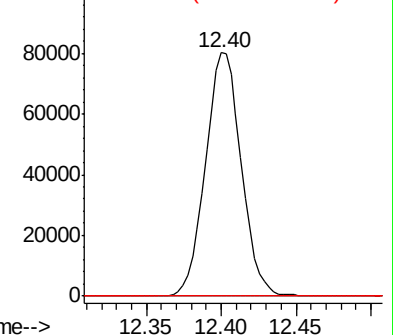
89 0.0 34.6 51.8#

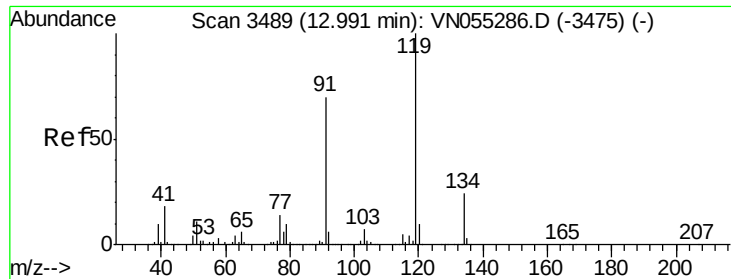


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

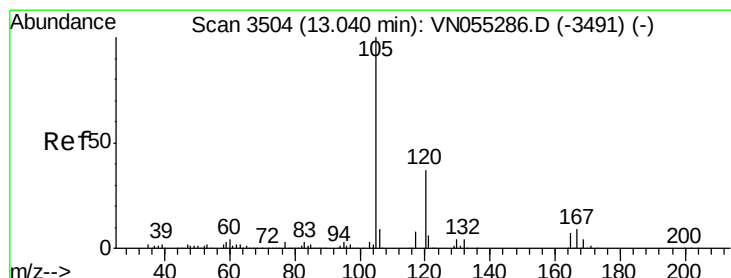
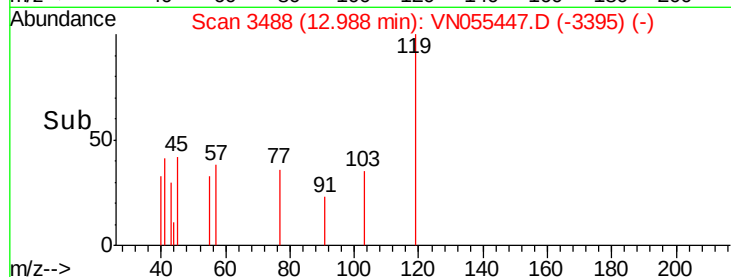
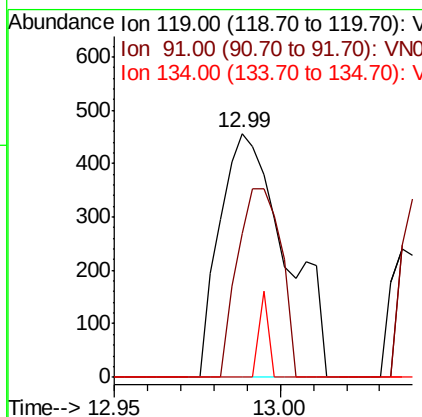
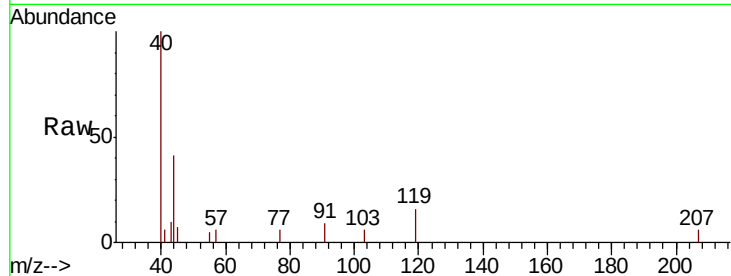




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

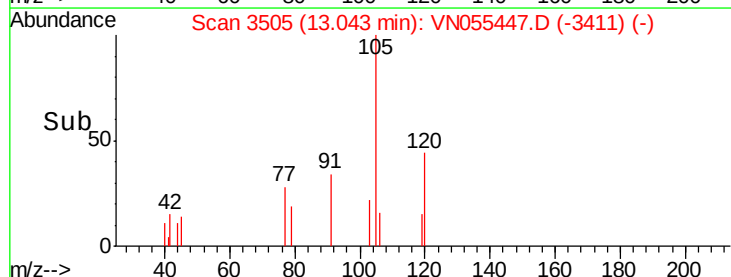
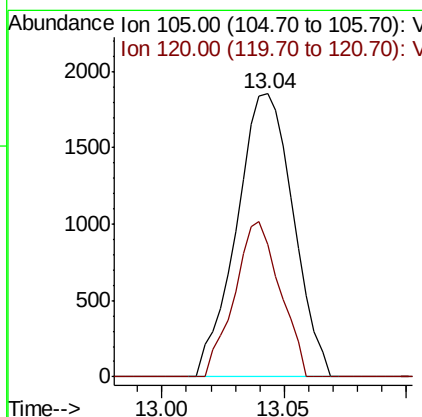
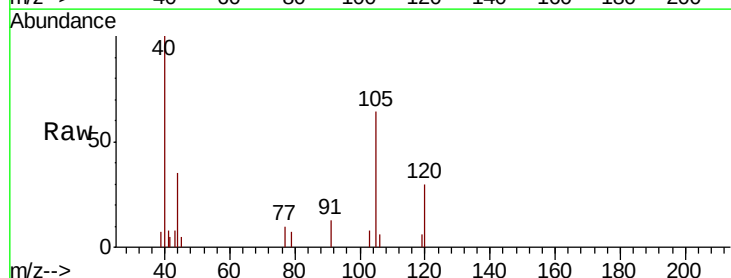
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

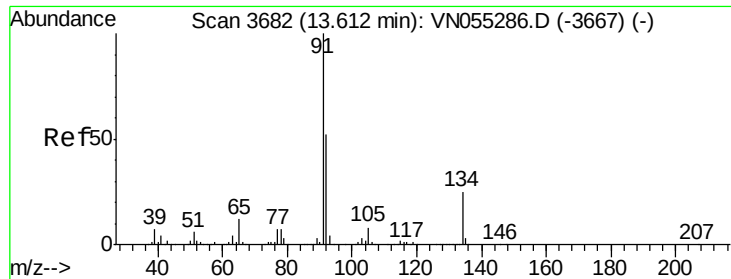
Tot Ion:119 Resp: 632
 Ion Ratio Lower Upper
 119 100
 91 50.9 34.3 102.9
 134 4.9 13.1 39.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.206 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

Tgt Ion:105 Resp: 2991
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

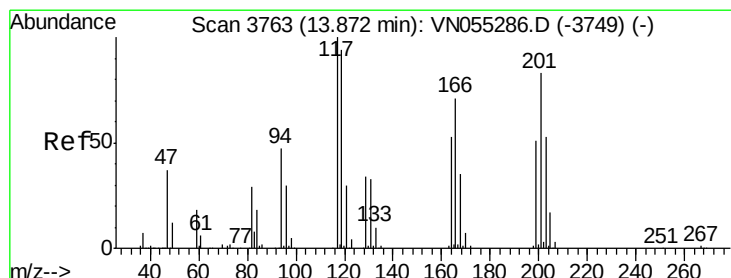
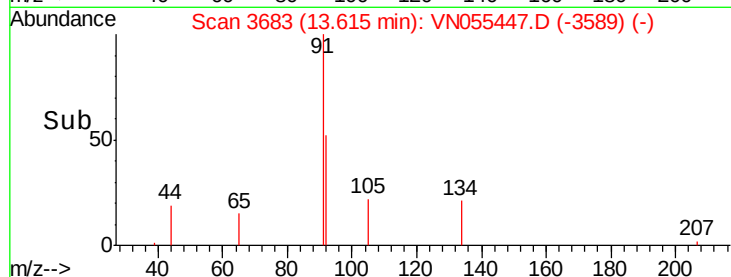
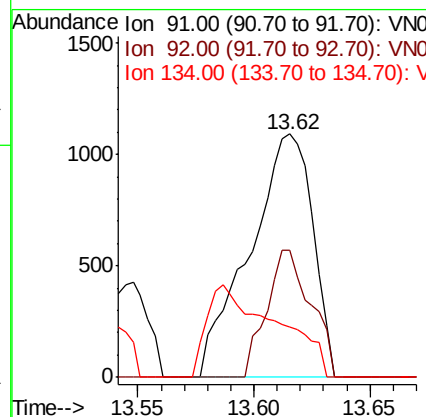
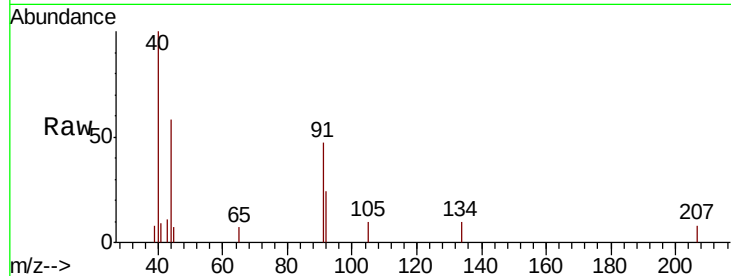




#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055447.D
Acq: 7 May 2019 19:16

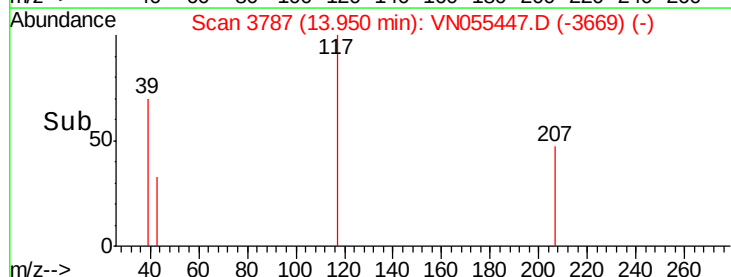
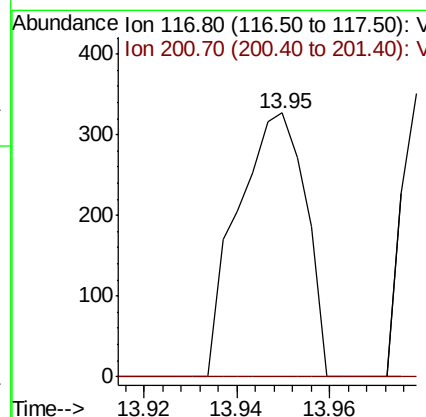
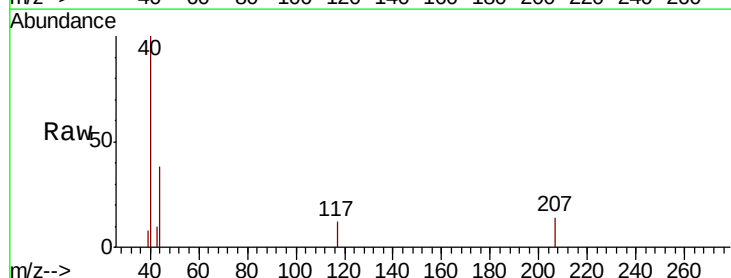
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W5-6(17-20)

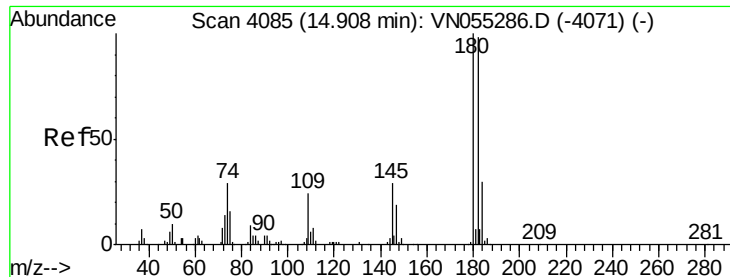
Tot Ion: 91 Resp: 2067
Ion Ratio Lower Upper
91 100
92 36.6 26.1 78.3
134 0.0 12.4 37.4#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.95 min Scan# 3787
Delta R.T. 0.08 min
Lab File: VN055447.D
Acq: 7 May 2019 19:16

Tgt Ion: 117 Resp: 334
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.8#

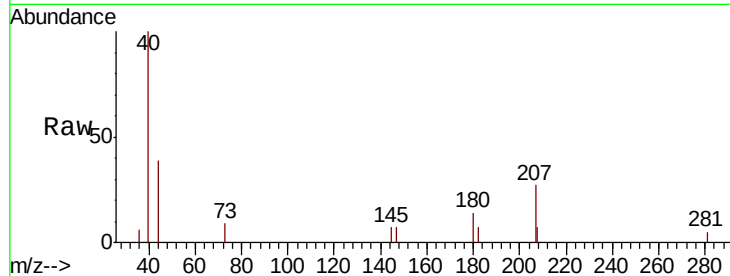




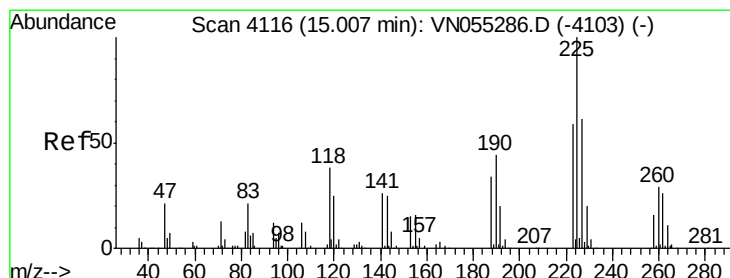
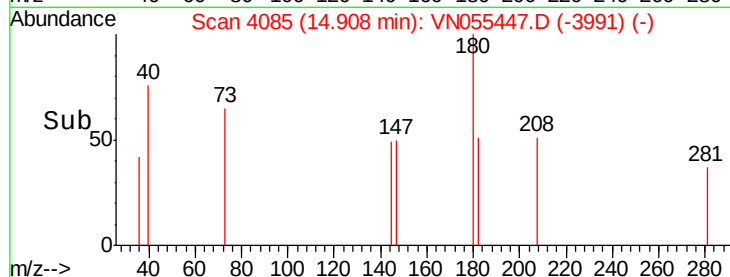
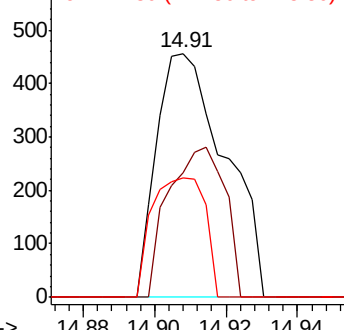
#93
 1,2,4-Trichlorobenzene
 Concen: 3.520 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Tot Ion:180 Resp: 606
 Ion Ratio Lower Upper
 180 100
 182 50.5 48.3 144.9
 145 37.8 14.2 42.6

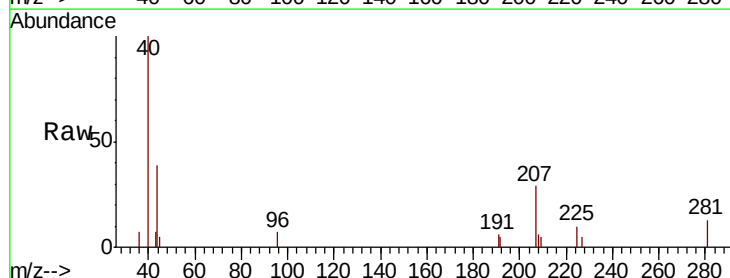


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

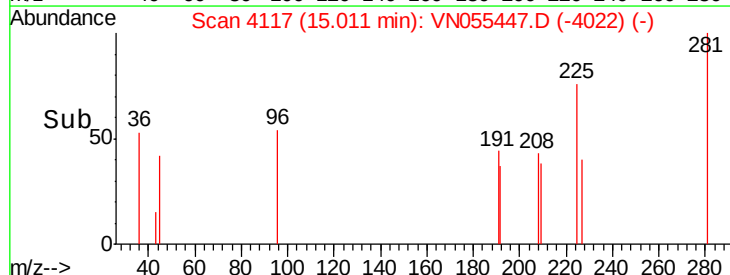
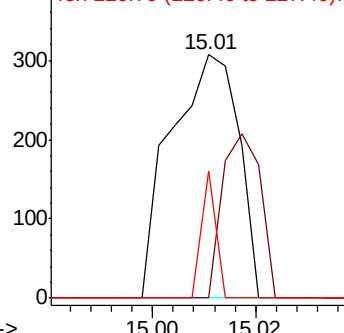


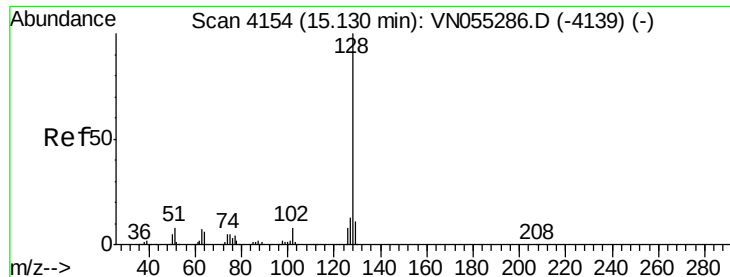
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055447.D
 Acq: 7 May 2019 19:16

Tgt Ion:225 Resp: 279
 Ion Ratio Lower Upper
 225 100
 223 38.0 30.3 90.8
 227 11.1 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.452 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W5-6(17-20)

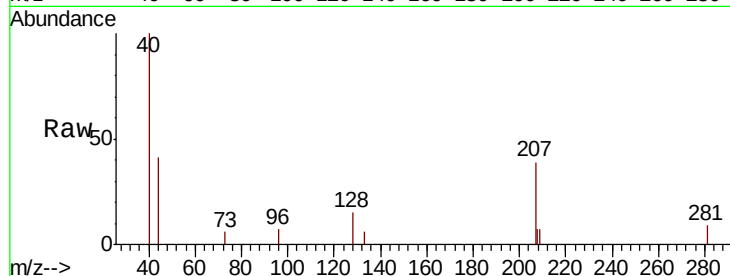
Tot Ion:128 Resp: 761

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

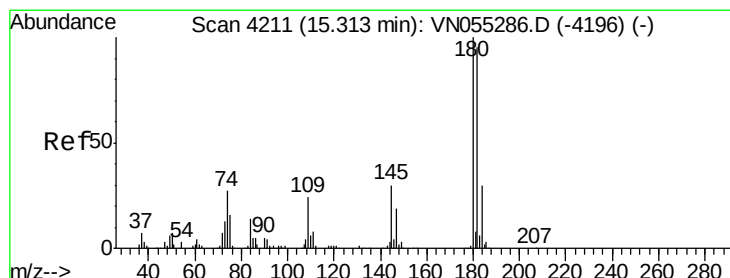
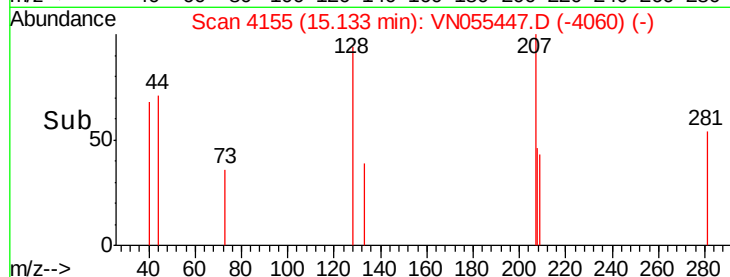
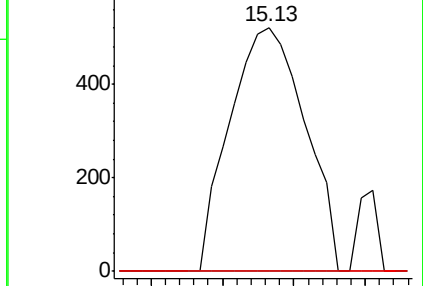
129 0.0 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.709 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.01 min

Lab File: VN055447.D

Acq: 7 May 2019 19:16

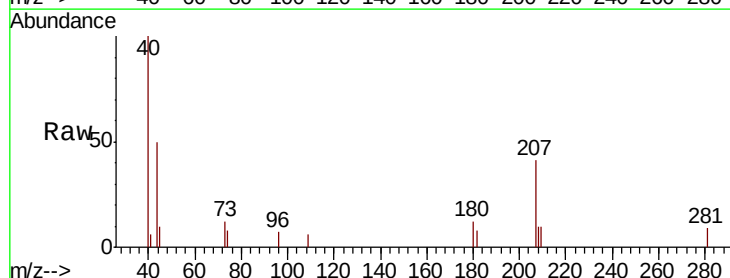
Tgt Ion:180 Resp: 271

Ion Ratio Lower Upper

180 100

182 124.7 48.3 144.9

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

