

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050919\
 Data File : VN055494.D
 Acq On : 9 May 2019 13:58
 Operator : JC/SP
 Sample : K2672-13
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-07-1.5-2.0

Quant Time: May 09 14:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	783441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1342072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1125910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	410420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	549965	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	7.59	113	402661	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	10.09	98	1621111	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	525132	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

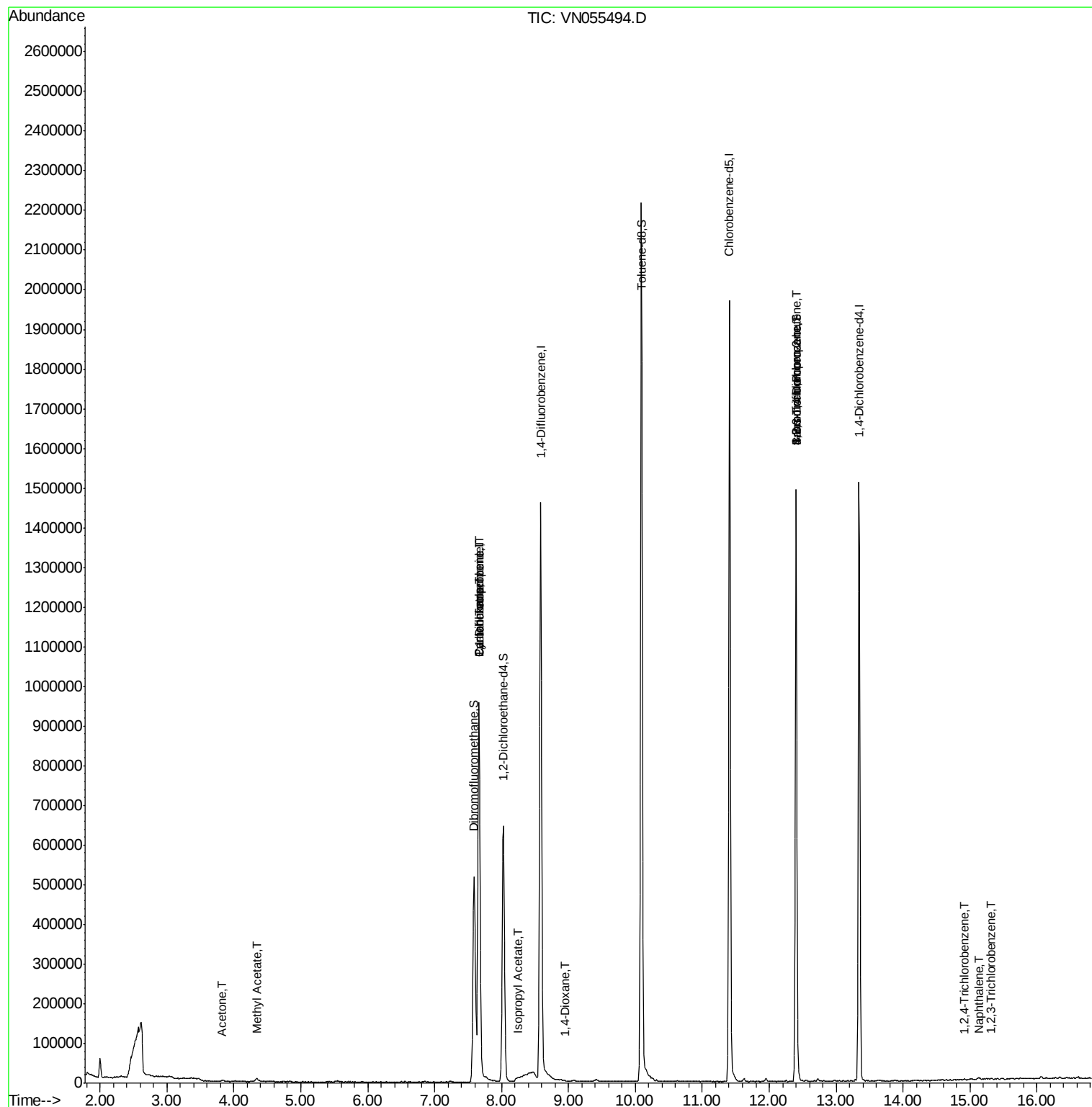
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	3358	0.615	ug/l #	84
18) Methyl Acetate	4.34	43	17487	0.429	ug/l	93
31) Cyclohexane	7.66	56	18306	0.962	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	64922	4.910	ug/l #	50
38) Carbon Tetrachloride	7.66	117	76047	6.831	ug/l #	16
43) Isopropyl Acetate	8.23	43	7500	0.342	ug/l #	63
49) 1,4-Dioxane	8.93	88	240	1.166	ug/l #	1
71) Bromoform	12.41	173	3873	0.720	ug/l #	1
73) Isopropylbenzene	12.26	105	606	Below Cal	#	70
75) 1,1,2,2-Tetrachloroethane	12.38	83	210	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	263403	23.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	263403	86.988	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.90	180	630	3.302	ug/l #	55
94) Hexachlorobutadiene	15.01	225	149	Below Cal	#	19
95) Naphthalene	15.13	128	3833	3.148	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	889	2.551	ug/l	78

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

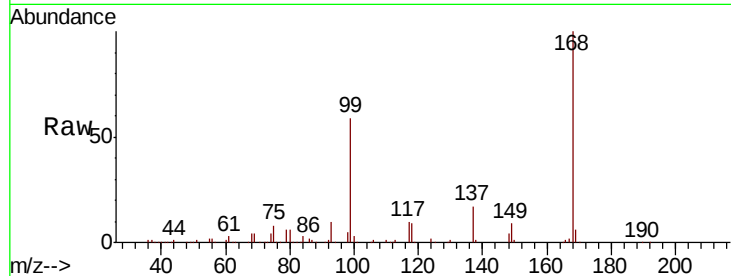
SB-07-1.5-2.0

Tgt Ion:168 Resp: 783441

Ion Ratio Lower Upper

168 100

99 58.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055481.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055481.D (-1813) (-)

7.66

300000

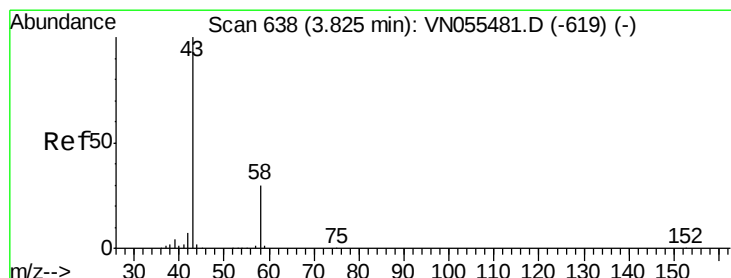
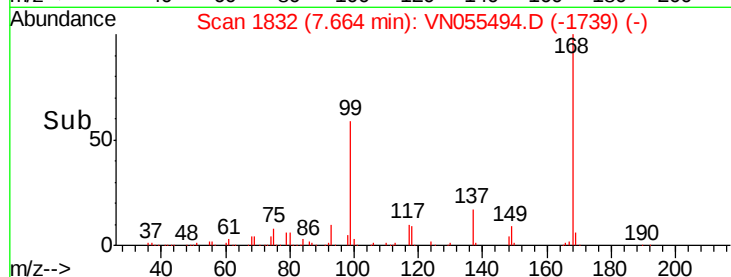
200000

100000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 0.615 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.01 min

Lab File: VN055494.D

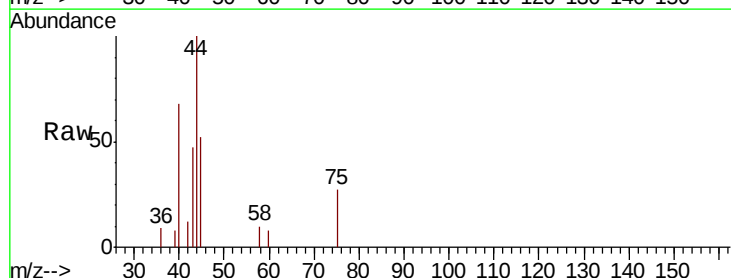
Acq: 9 May 2019 13:58

Tgt Ion: 43 Resp: 3358

Ion Ratio Lower Upper

43 100

58 21.5 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-619) (-)

3.83

1000

800

600

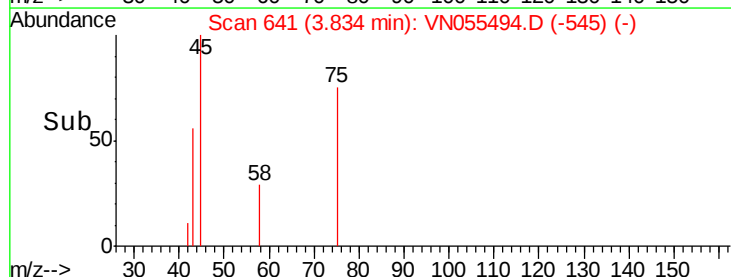
400

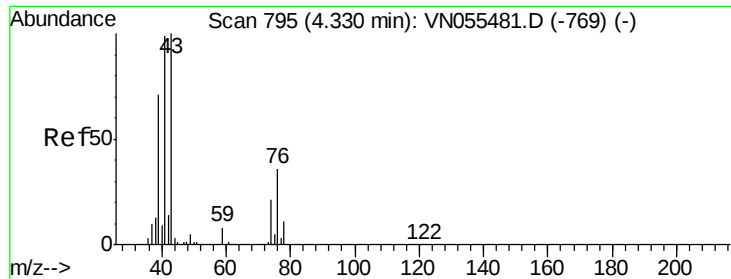
200

0

3.75 3.80 3.85 3.90

Time-->

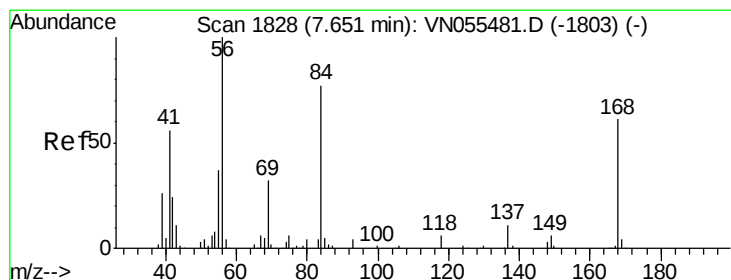
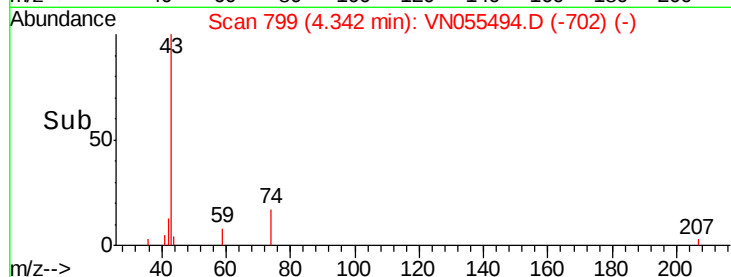
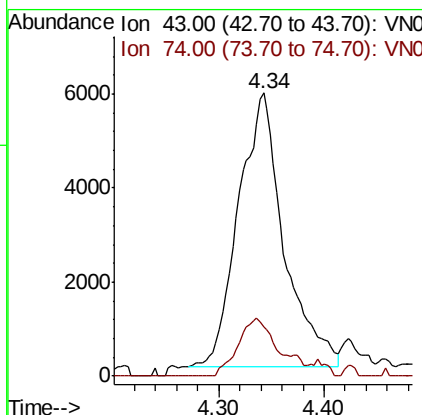
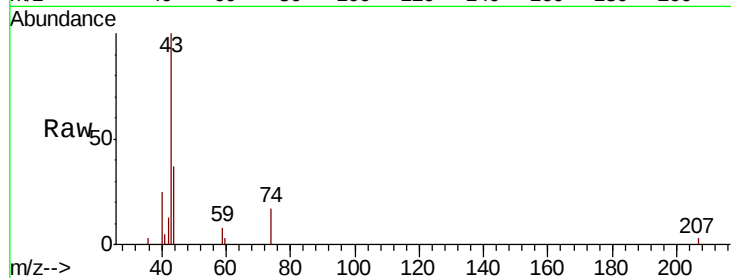




#18
Methyl Acetate
Concen: 0.429 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

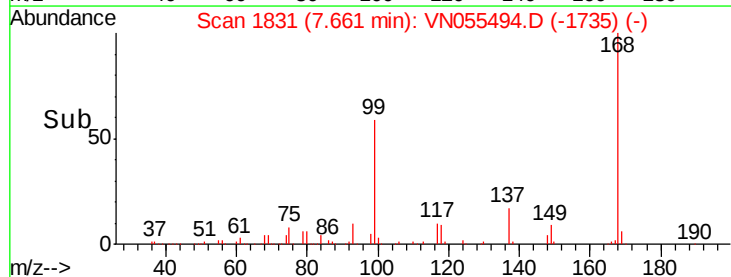
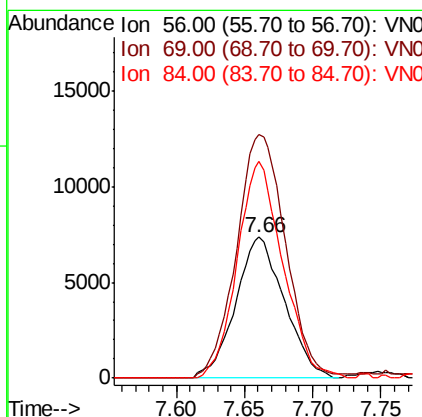
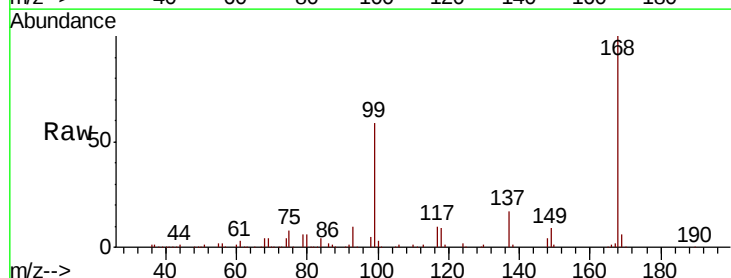
Instrument :
MSVOA_N
ClientSampleId :
SB-07-1.5-2.0

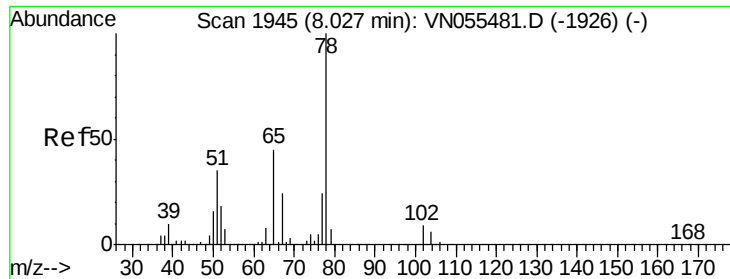
Tgt Ion: 43 Resp: 17487
Ion Ratio Lower Upper
43 100
74 17.0 16.3 24.5



#31
Cyclohexane
Concen: 0.962 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

Tgt Ion: 56 Resp: 18306
Ion Ratio Lower Upper
56 100
69 172.7 26.0 39.0#
84 153.5 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 46.623 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

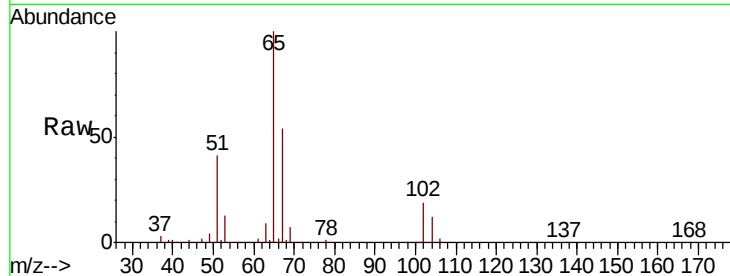
SB-07-1.5-2.0

Tgt Ion: 65 Resp: 549965

Ion Ratio Lower Upper

65 100

67 53.4 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN055481.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055481.D (-1926) (-)

8.03

250000

200000

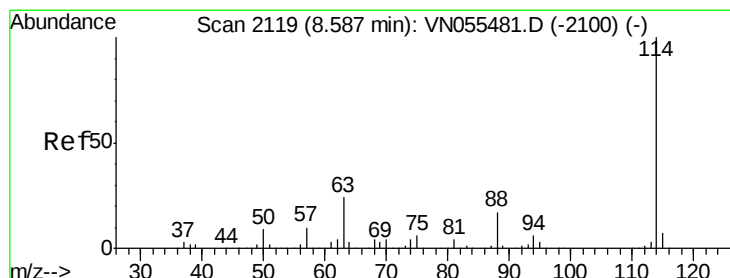
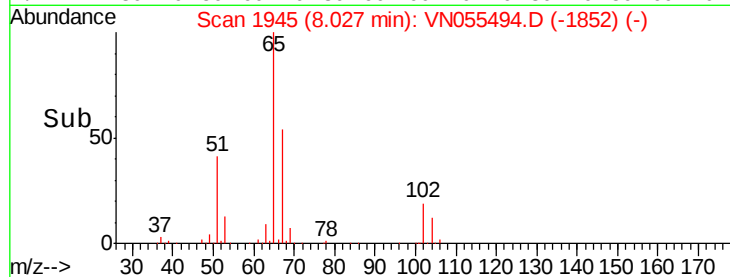
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

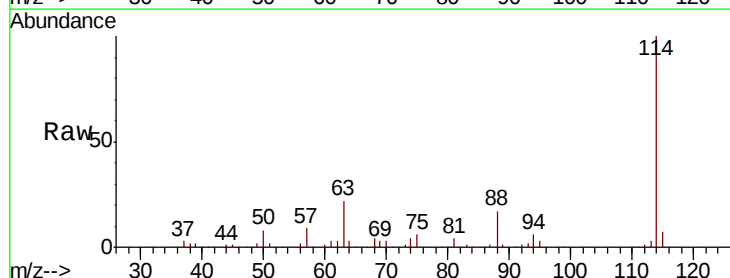
Tgt Ion: 114 Resp: 1342072

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.4

88 16.7 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN055481.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055481.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055481.D (-2100) (-)

8.59

800000

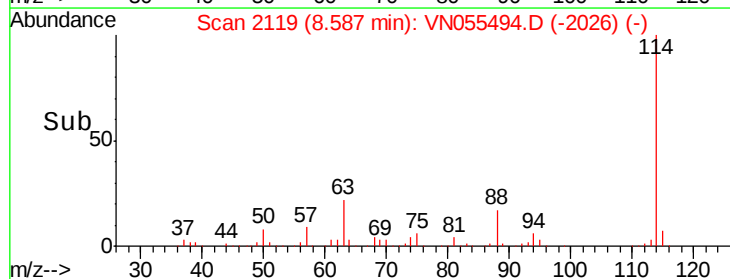
600000

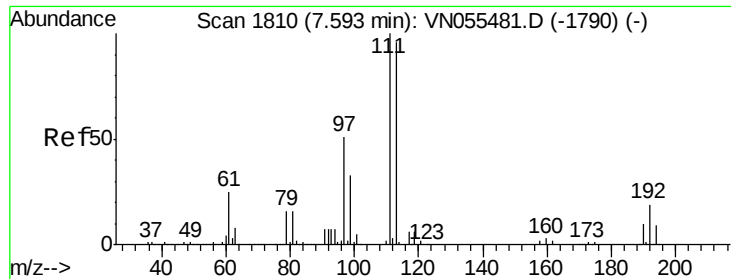
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.510 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

SB-07-1.5-2.0

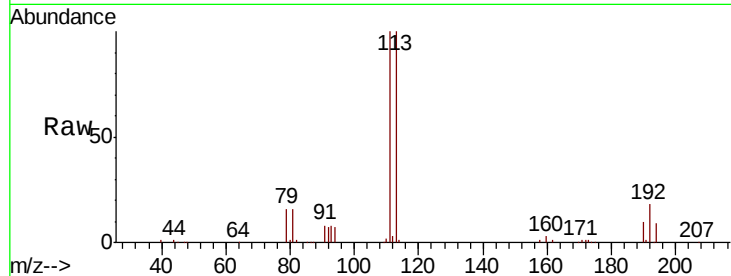
Tgt Ion:113 Resp: 402661

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

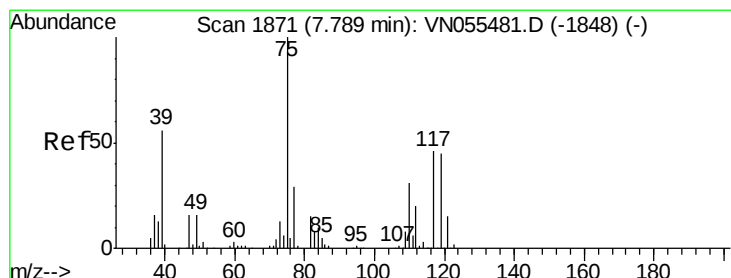
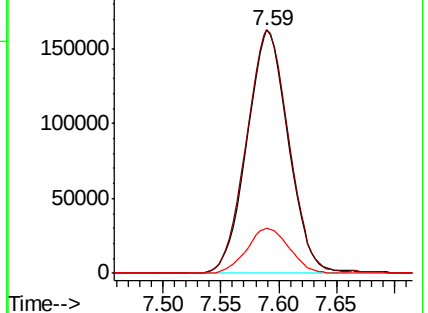
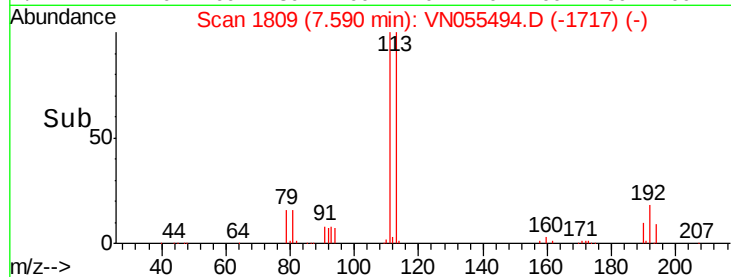
192 19.2 15.6 23.4



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: 4.910 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

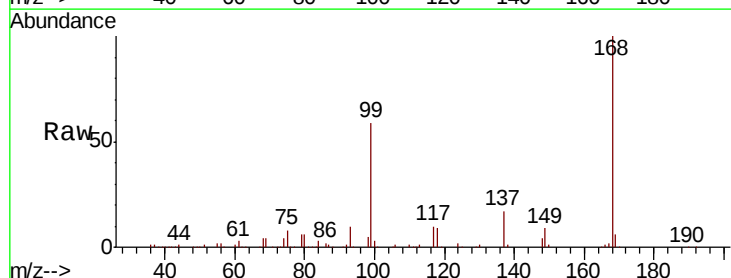
Tgt Ion: 75 Resp: 64922

Ion Ratio Lower Upper

75 100

110 7.5 16.1 48.3#

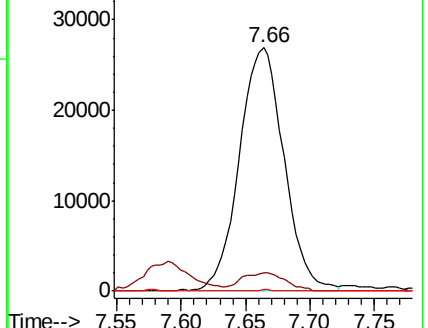
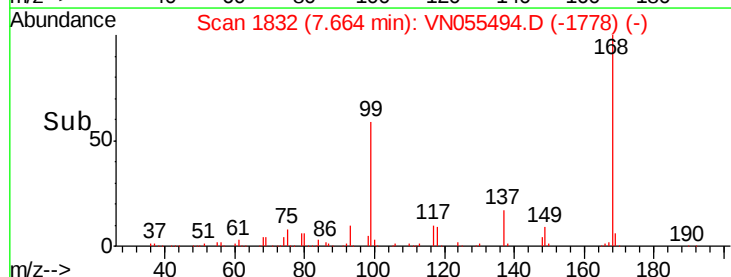
77 0.1 24.6 37.0#

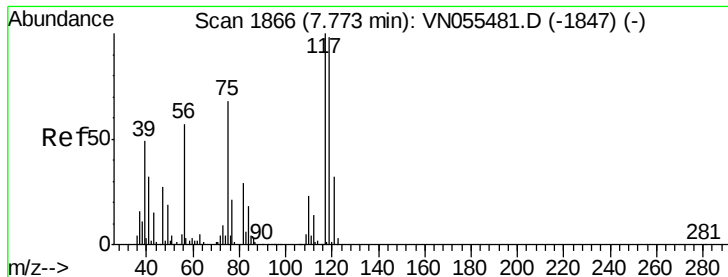


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.831 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

SB-07-1.5-2.0

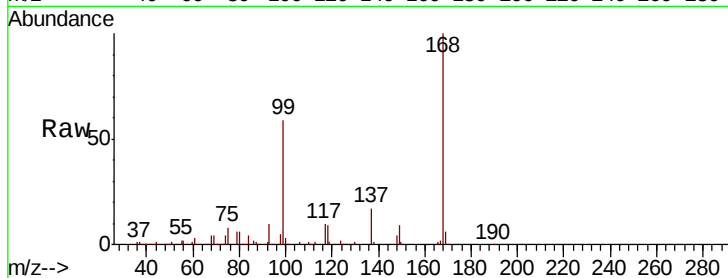
Tgt Ion:117 Resp: 76047

Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.6#

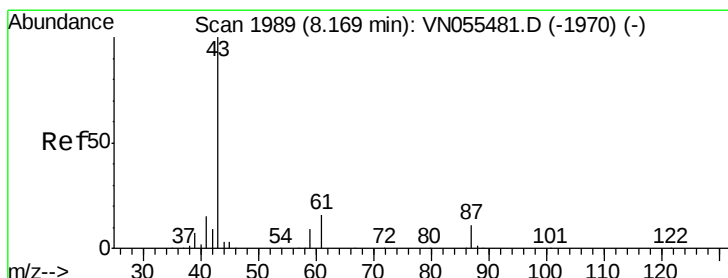
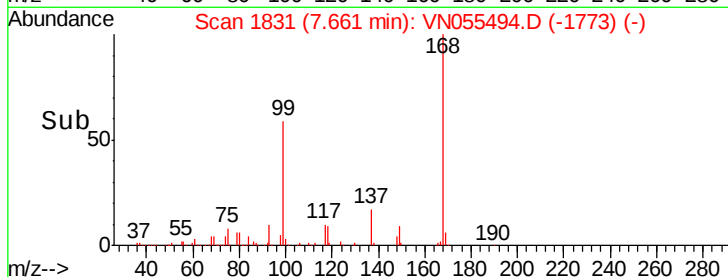
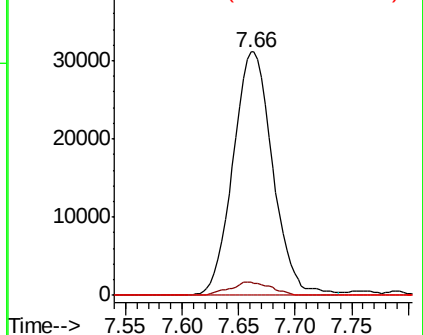
121 0.0 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 0.342 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.06 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

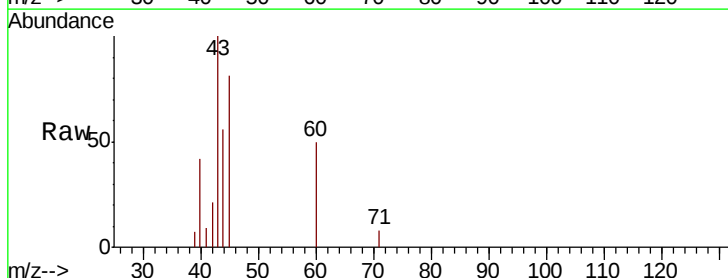
Tgt Ion: 43 Resp: 7500

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

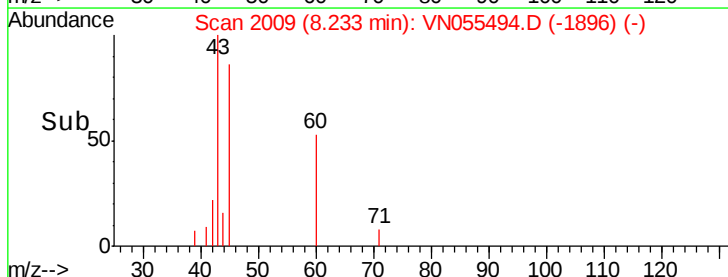
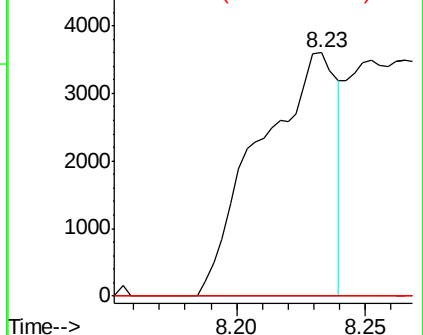
87 0.0 9.0 13.6#

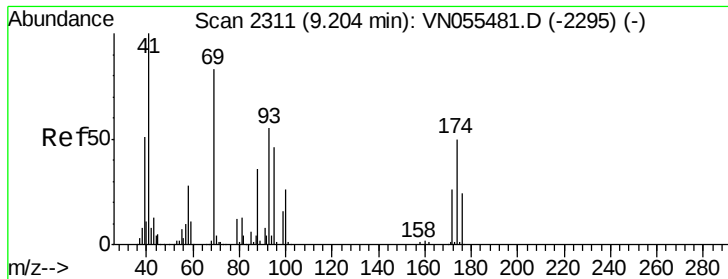


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

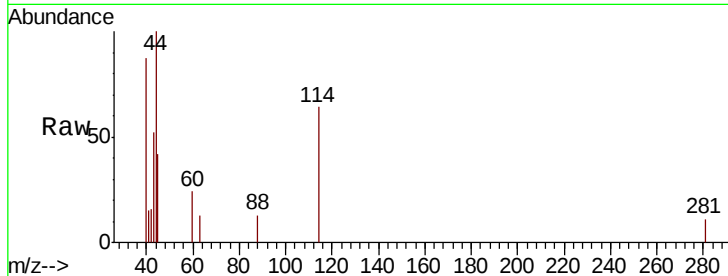




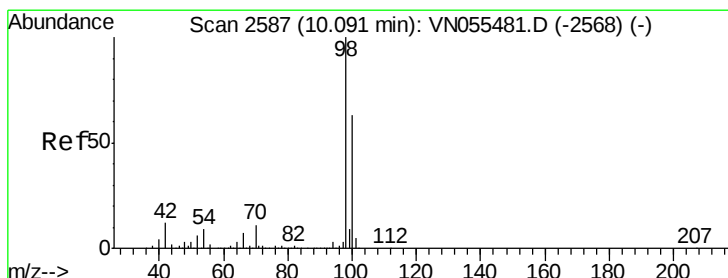
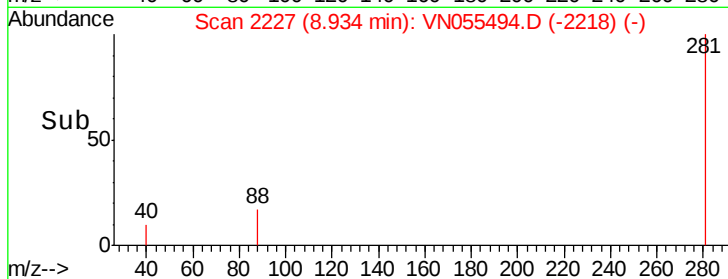
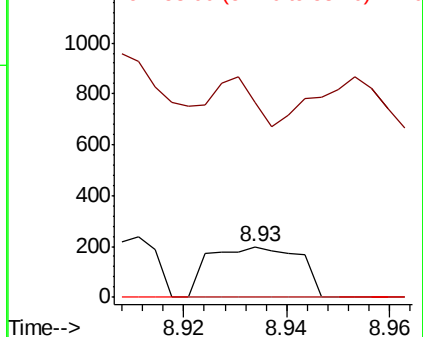
#49
1,4-Dioxane
Concen: 1.166 ug/l
RT: 8.93 min Scan# 2227
Delta R.T. -0.27 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
SB-07-1.5-2.0

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 118.3 27.8 41.8#
58 0.0 61.8 92.6#

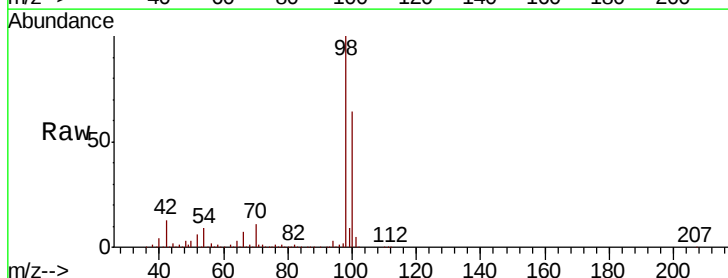


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

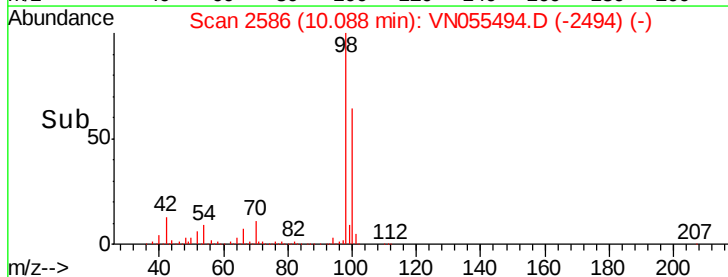
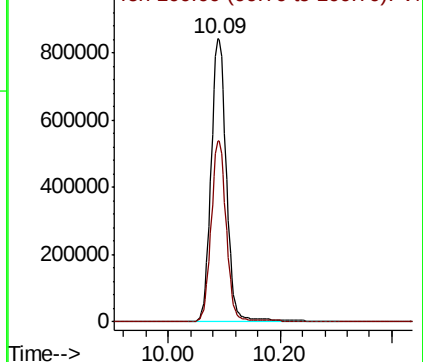


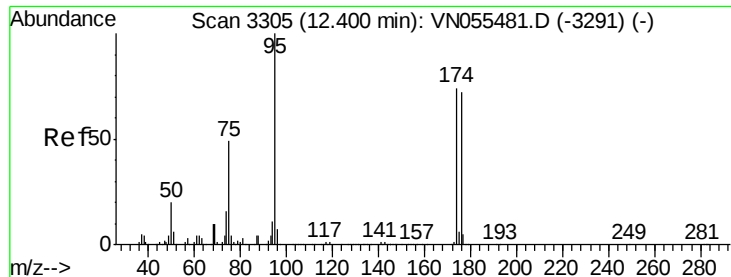
#50
Toluene-d8
Concen: 48.051 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

Tgt Ion: 98 Resp: 1621111
Ion Ratio Lower Upper
98 100
100 61.9 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

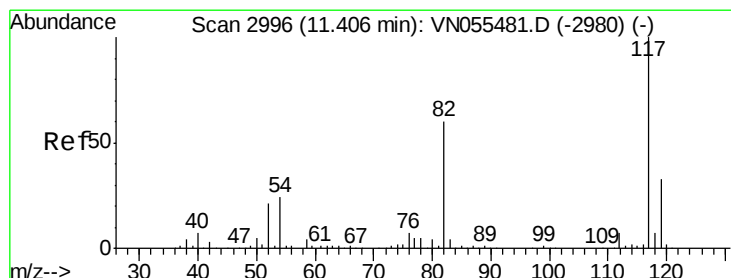
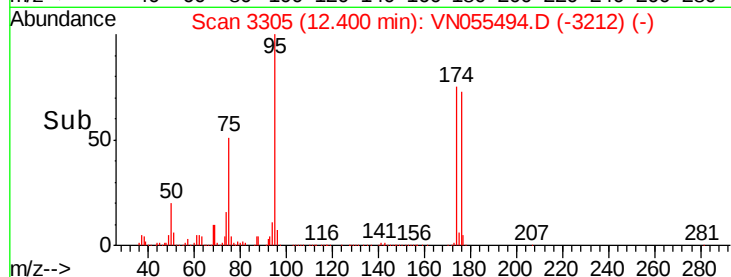
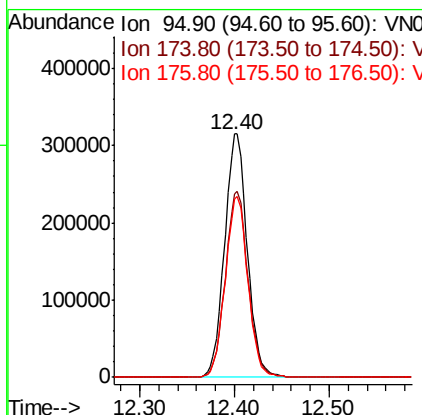
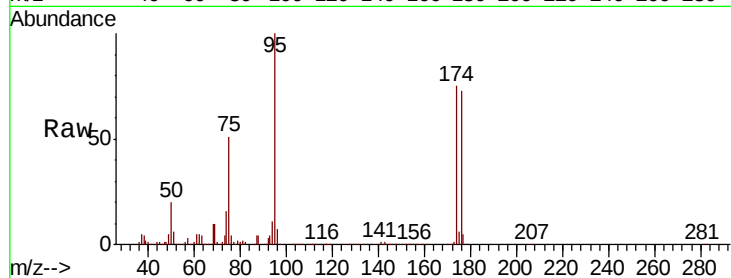




#62
4-Bromofluorobenzene
Concen: 46.163 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

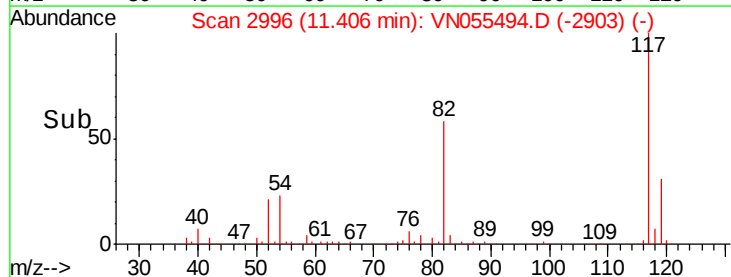
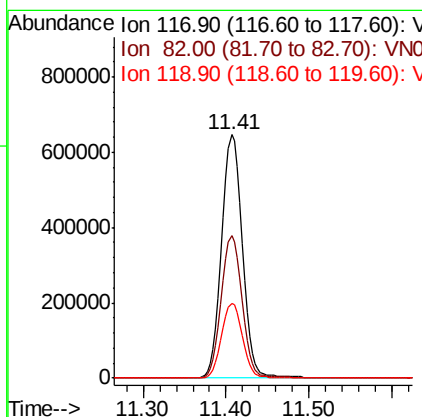
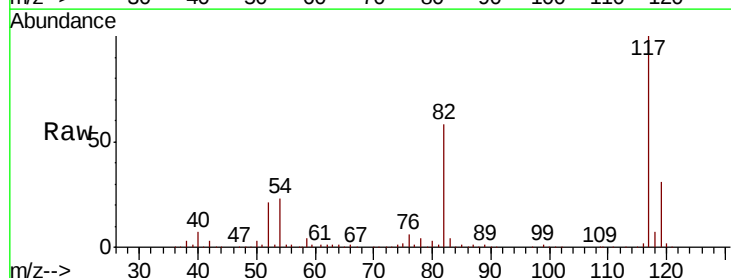
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MSVOA_N
ClientSampleId :
SB-07-1.5-2.0

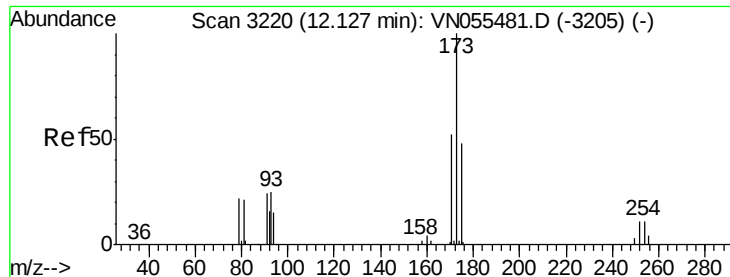
Tgt Ion: 95 Resp: 525132
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.2
176 74.3 0.0 147.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

Tgt Ion: 117 Resp: 1125910
Ion Ratio Lower Upper
117 100
82 58.4 48.0 72.0
119 30.8 26.0 39.0





#71

Bromoform

Concen: 0.720 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampled :

SB-07-1.5-2.0

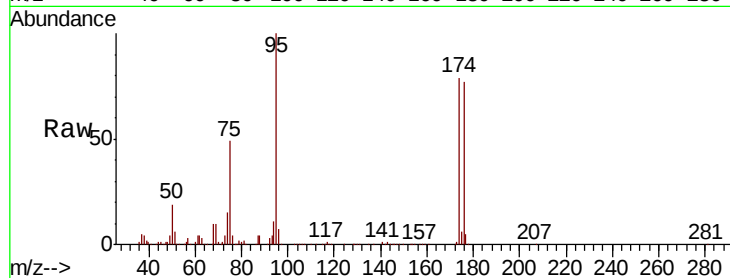
Tgt Ion:173 Resp: 3873

Ion Ratio Lower Upper

173 100

175 672.5 24.1 72.4#

254 0.0 0.1 0.1#

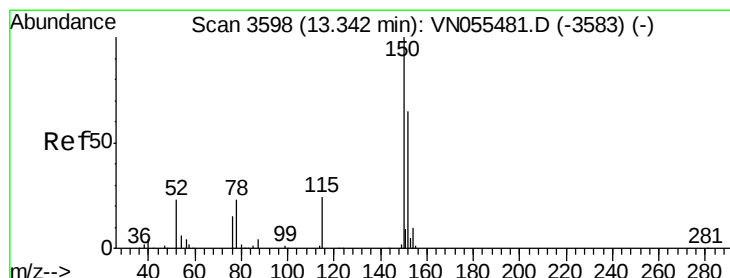
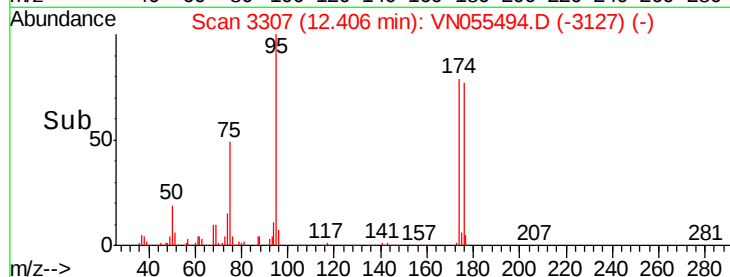
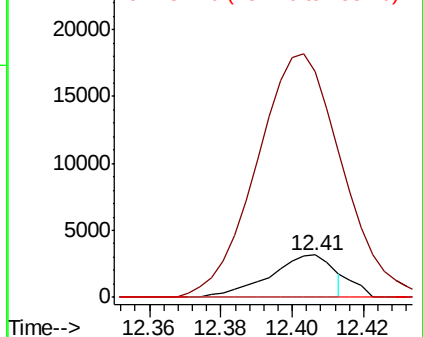


Abundance

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: VN055494.D

Acq: 9 May 2019 13:58

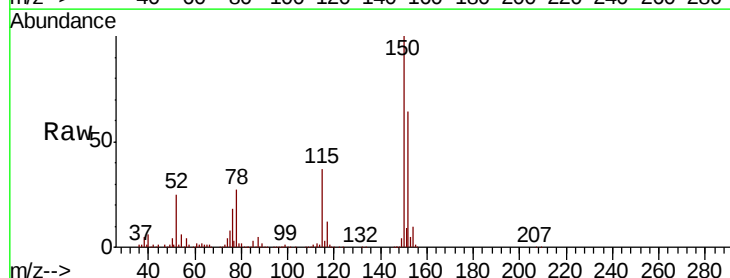
Tgt Ion:152 Resp: 410420

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.5

150 156.8 0.0 355.0

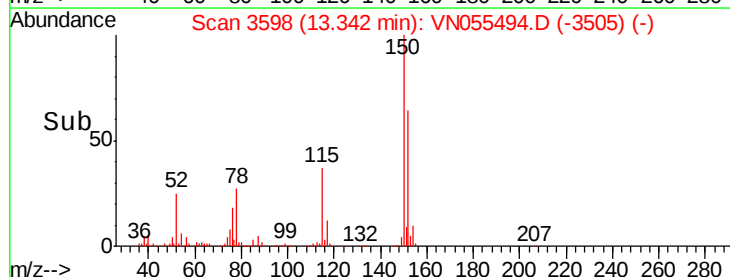
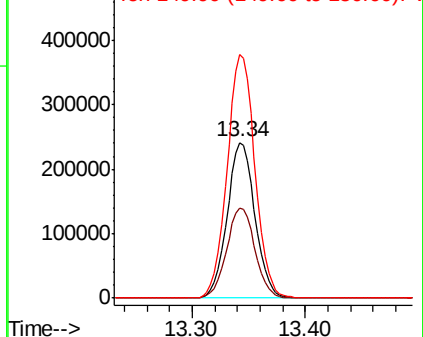


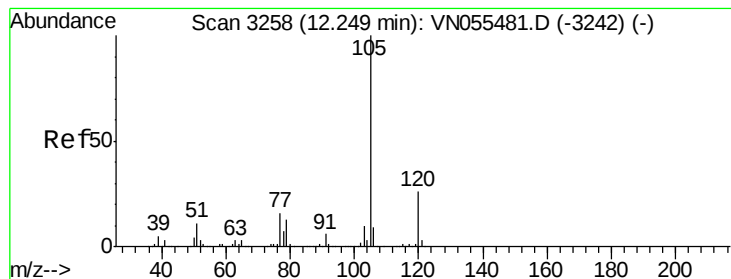
Abundance

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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampleId :

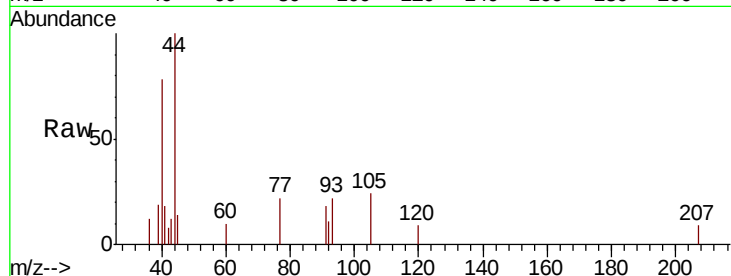
SB-07-1.5-2.0

Tgt Ion: 105 Resp: 606

Ion Ratio Lower Upper

105 100

120 10.7 13.0 39.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.26

400

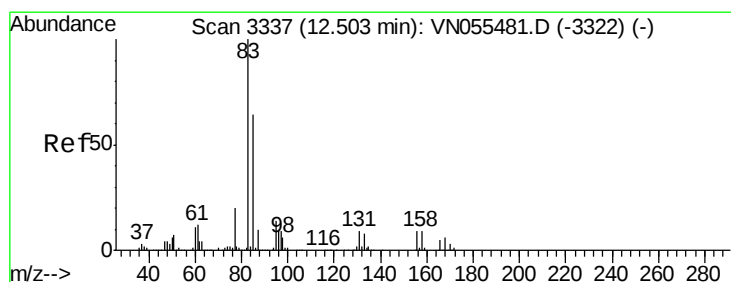
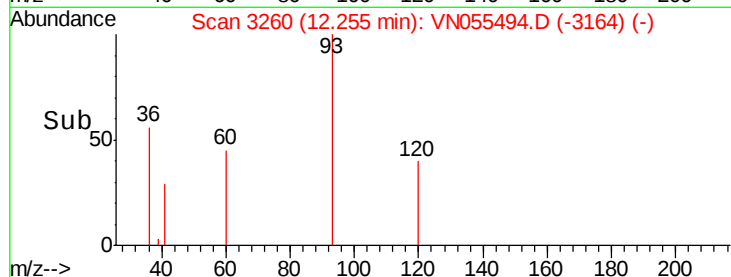
300

200

100

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.38 min Scan# 3300

Delta R.T. -0.12 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

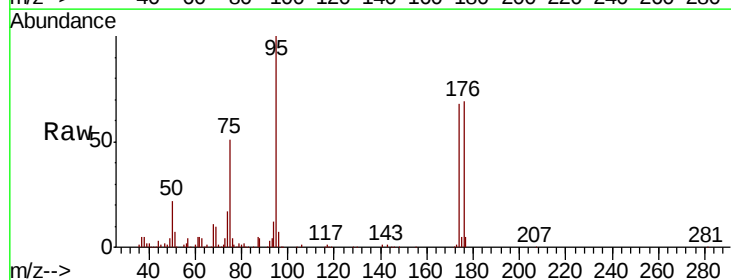
Tgt Ion: 83 Resp: 210

Ion Ratio Lower Upper

83 100

131 287.6 4.5 13.5#

85 34.8 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

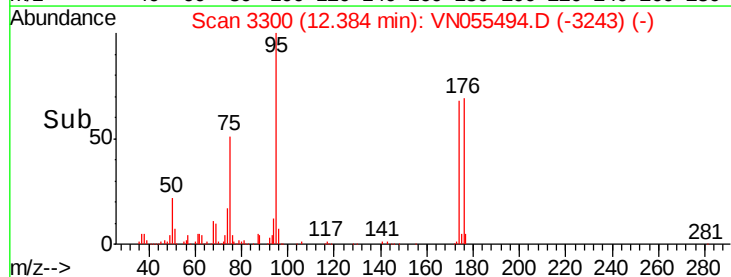
600

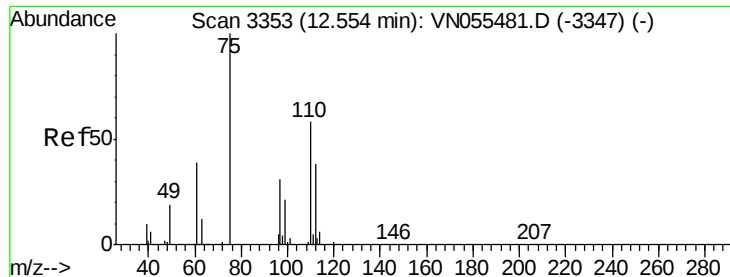
400

200

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 23.575 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampled :

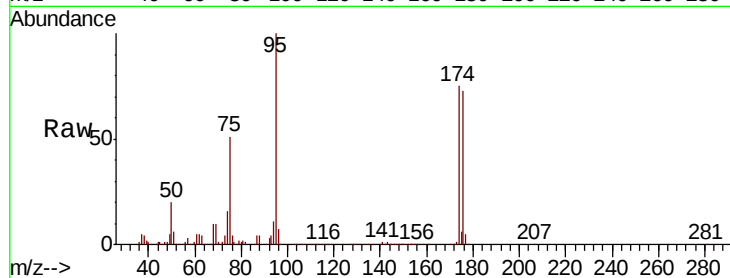
SB-07-1.5-2.0

Tgt Ion: 75 Resp: 263403

Ion Ratio Lower Upper

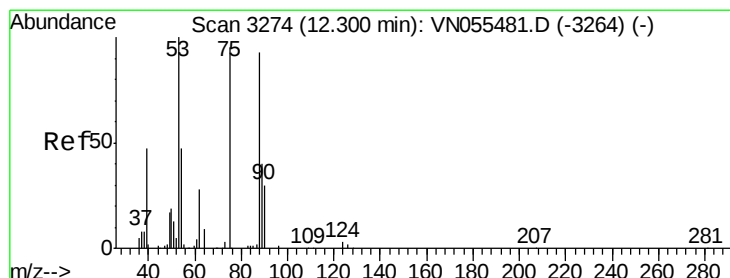
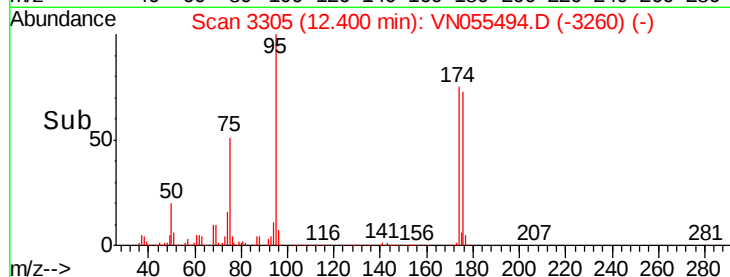
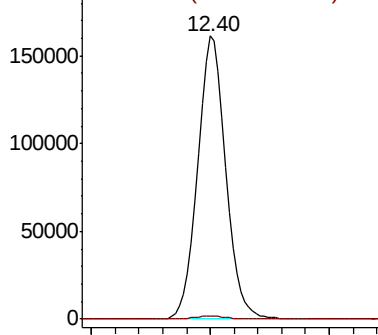
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 86.988 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

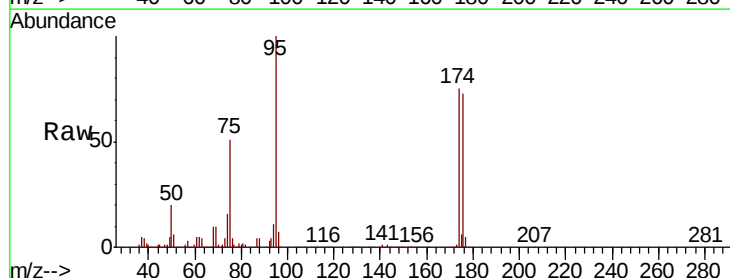
Tgt Ion: 75 Resp: 263403

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

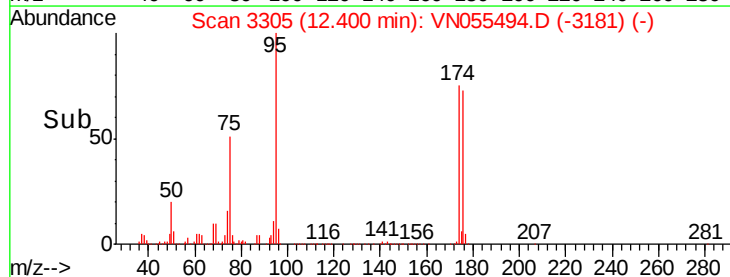
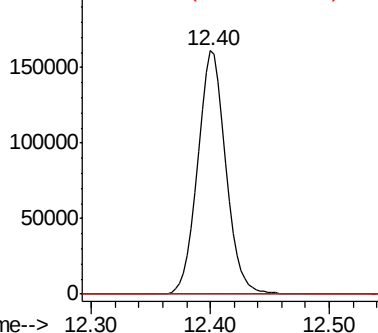
89 0.0 35.7 53.5#

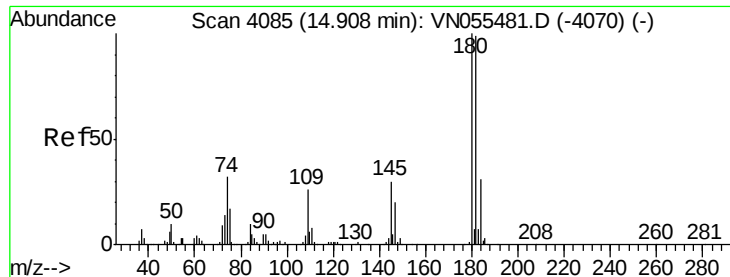


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#93

1,2,4-Trichlorobenzene

Concen: 3.302 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN055494.D

Acq: 9 May 2019 13:58

Instrument :

MSVOA_N

ClientSampled :

SB-07-1.5-2.0

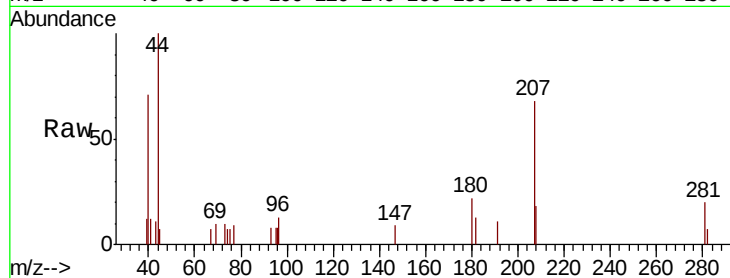
Tgt Ion:180 Resp: 630

Ion Ratio Lower Upper

180 100

182 138.3 48.7 146.1

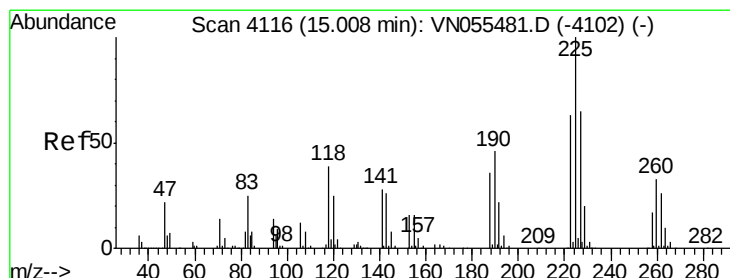
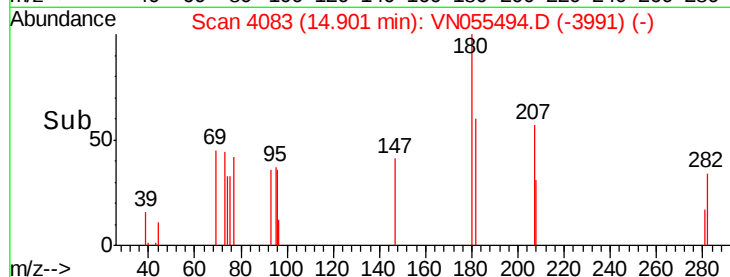
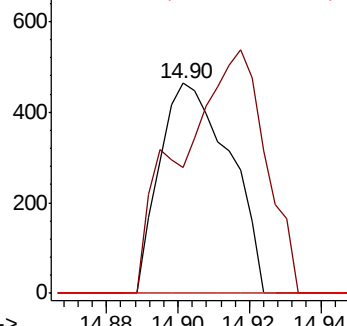
145 0.0 15.3 45.9#



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: VN055494.D

Acq: 9 May 2019 13:58

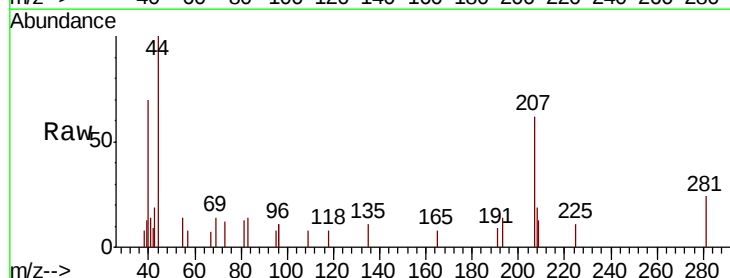
Tgt Ion:225 Resp: 149

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.3#

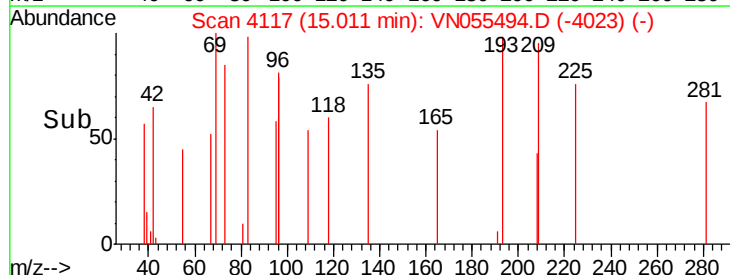
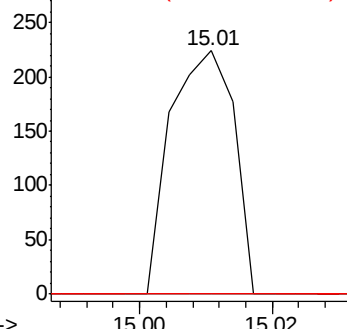
227 0.0 32.0 96.0#

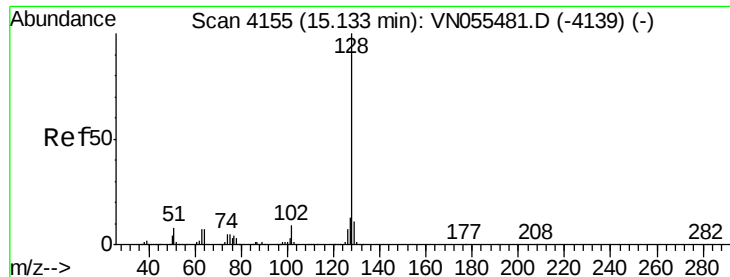


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

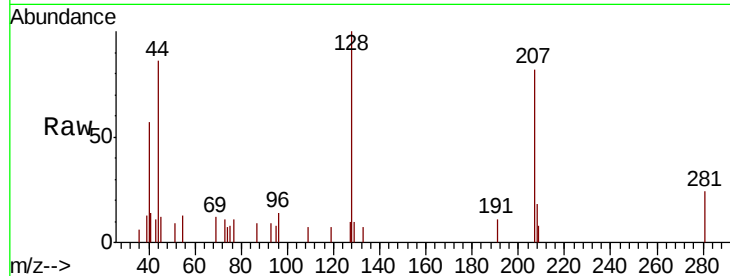




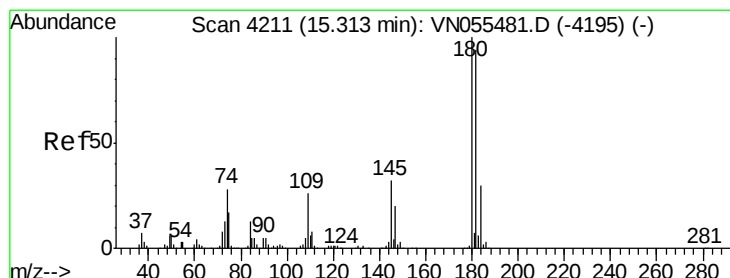
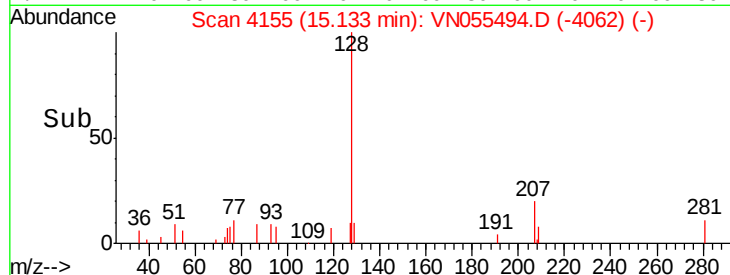
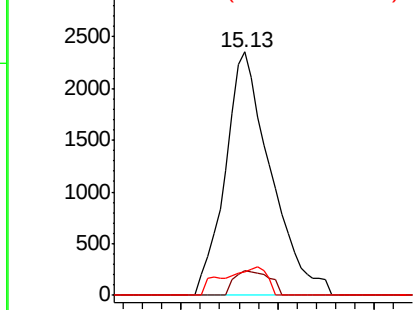
#95
Naphthalene
Concen: 3.148 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

Instrument :
MSVOA_N
ClientSampleId :
SB-07-1.5-2.0

Tgt Ion:128 Resp: 3833
Ion Ratio Lower Upper
128 100
127 7.8 10.0 15.0#
129 7.9 8.8 13.2#

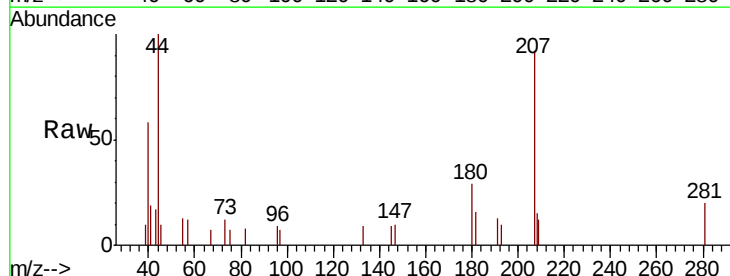


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.551 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055494.D
Acq: 9 May 2019 13:58

Tgt Ion:180 Resp: 889
Ion Ratio Lower Upper
180 100
182 72.4 47.1 141.3
145 20.7 15.8 47.4



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

