

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050919\
 Data File : VN055493.D
 Acq On : 9 May 2019 13:33
 Operator : JC/SP
 Sample : K2672-17
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09-1.0-1.5

Quant Time: May 09 14:20:17 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	796659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1343253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1129575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	414527	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	553360	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	7.59	113	413197	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	10.09	98	1619999	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	12.40	95	530747	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

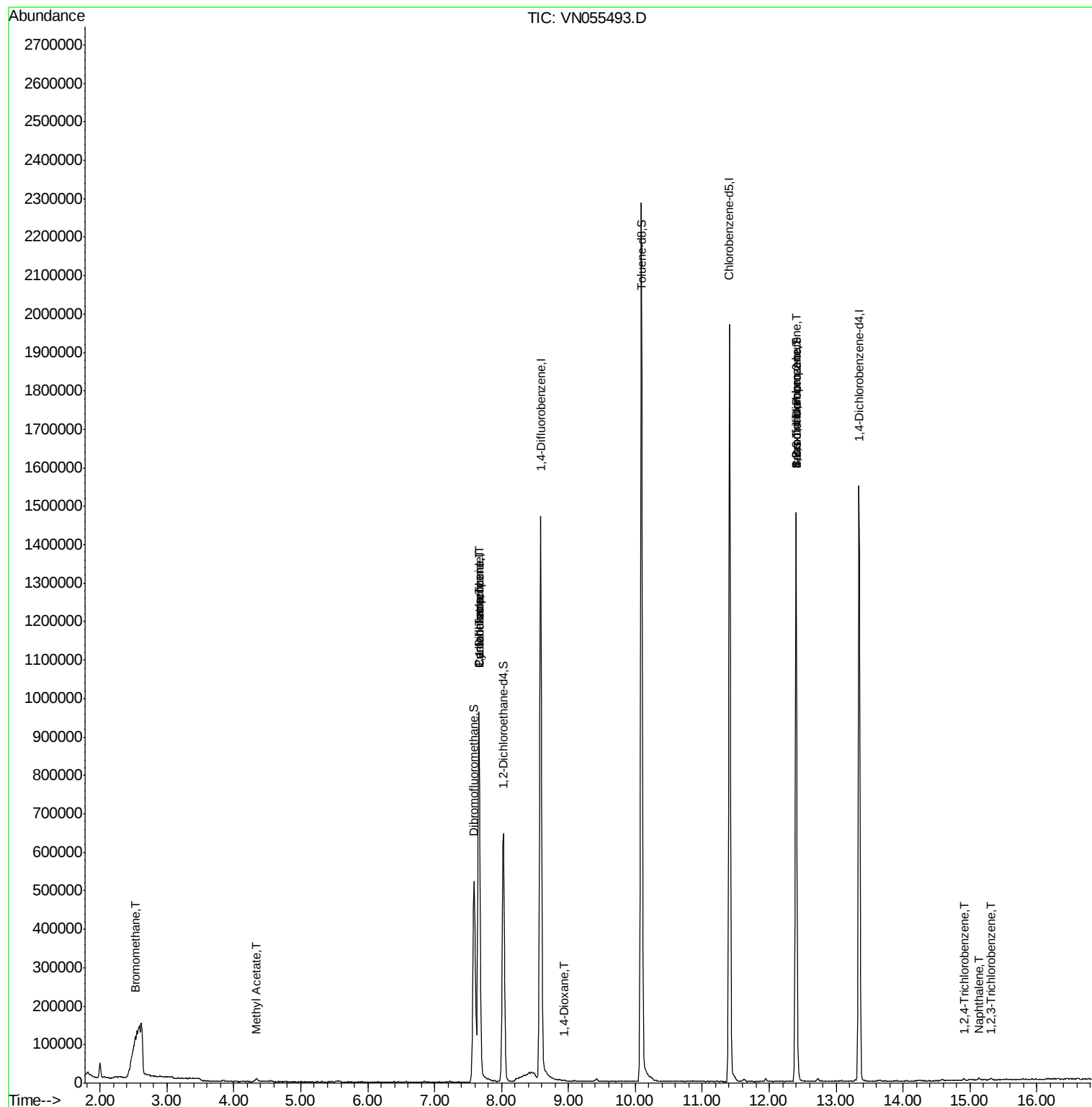
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	2052	0.301	ug/l	92
18) Methyl Acetate	4.34	43	17025	0.363	ug/l	95
31) Cyclohexane	7.66	56	18031	0.931	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	64490	4.873	ug/l #	50
38) Carbon Tetrachloride	7.66	117	77843	6.986	ug/l #	15
49) 1,4-Dioxane	8.95	88	161	0.782	ug/l #	1
71) Bromoform	12.40	173	2632	0.488	ug/l #	1
73) Isopropylbenzene	12.25	105	893	Below Cal	#	72
75) 1,1,2,2-Tetrachloroethane	12.50	83	97	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	264423	23.432	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	264423	86.460	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	966	3.352	ug/l	95
94) Hexachlorobutadiene	15.00	225	389	Below Cal	#	34
95) Naphthalene	15.14	128	3807	3.144	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	785	2.535	ug/l	85

(#) = 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: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

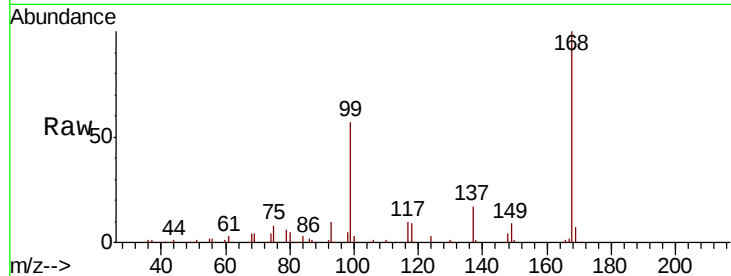
SB-09-1.0-1.5

Tgt Ion:168 Resp: 796659

Ion Ratio Lower Upper

168 100

99 57.3 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

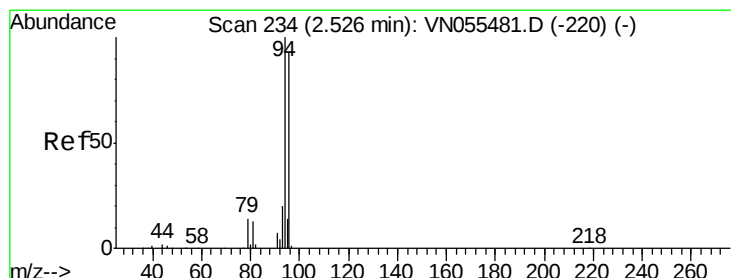
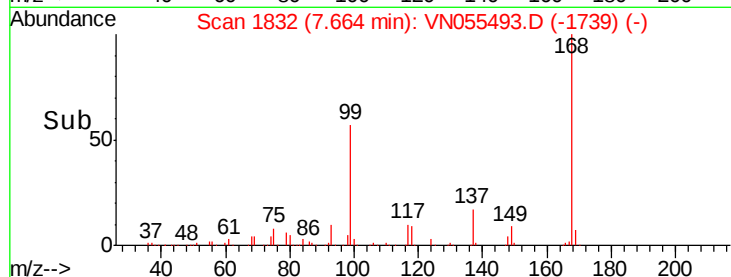
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.301 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN055493.D

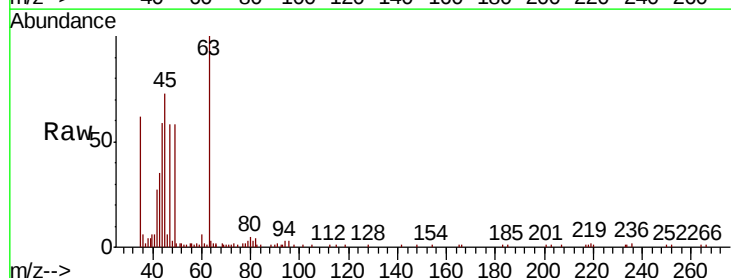
Acq: 9 May 2019 13:33

Tgt Ion: 94 Resp: 2052

Ion Ratio Lower Upper

94 100

96 86.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN055481.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN055481.D (-220) (-)

2.52

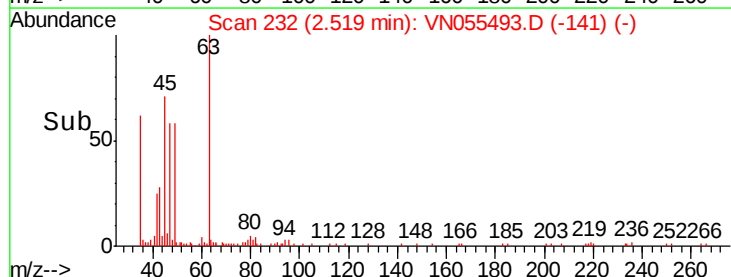
600

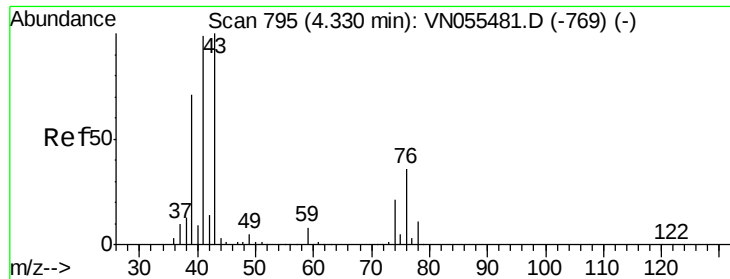
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200

0

Time-->

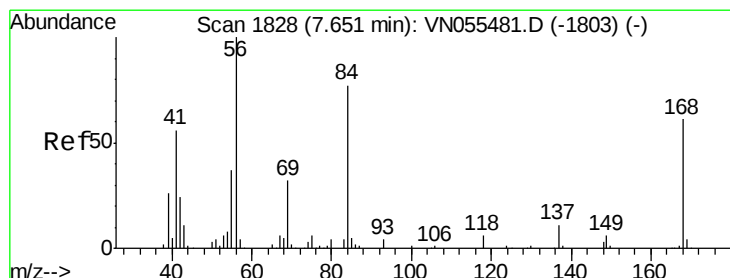
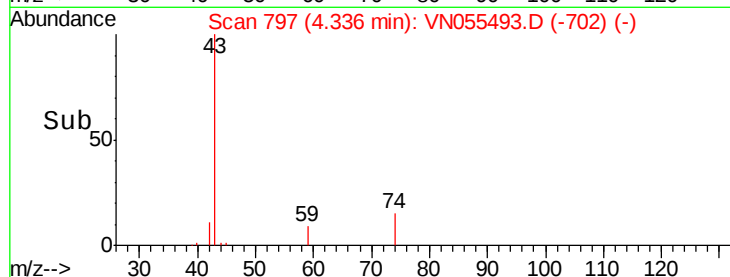
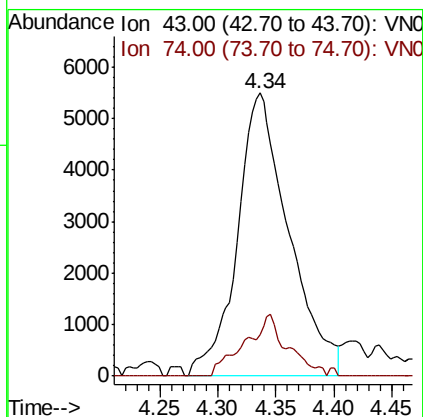
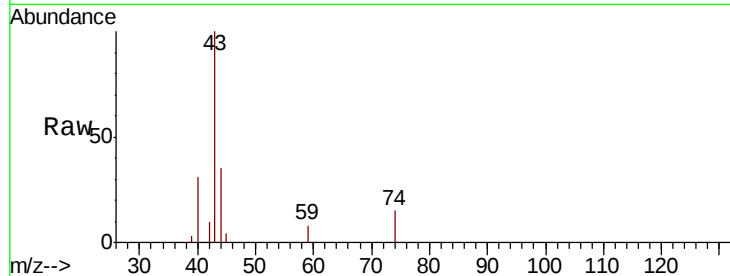




#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055493.D
Acq: 9 May 2019 13:33

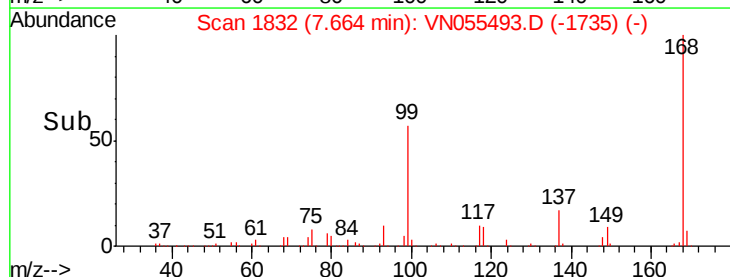
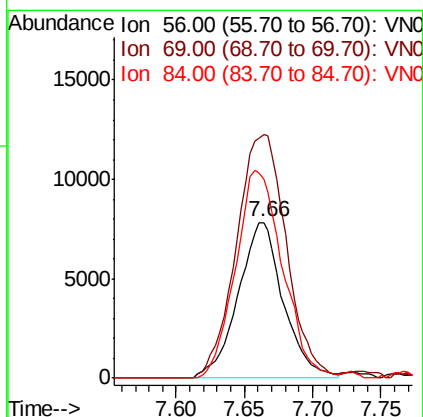
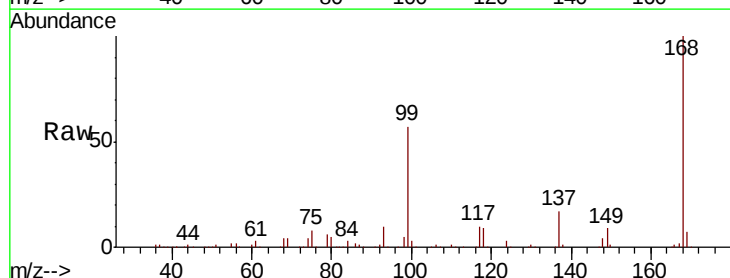
Instrument :
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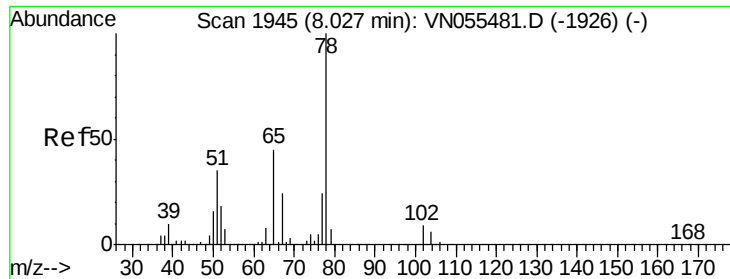
Tgt Ion: 43 Resp: 17025
Ion Ratio Lower Upper
43 100
74 18.3 16.3 24.5



#31
Cyclohexane
Concen: 0.931 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055493.D
Acq: 9 May 2019 13:33

Tgt Ion: 56 Resp: 18031
Ion Ratio Lower Upper
56 100
69 156.6 26.0 39.0#
84 128.0 61.9 92.9#

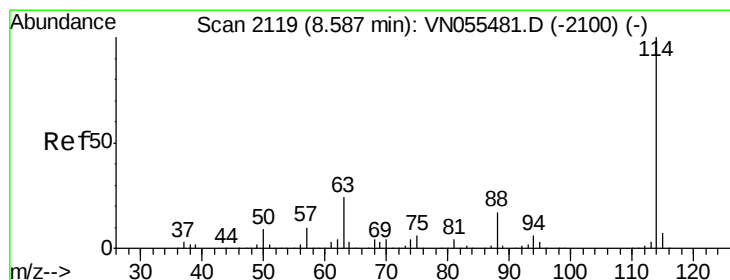
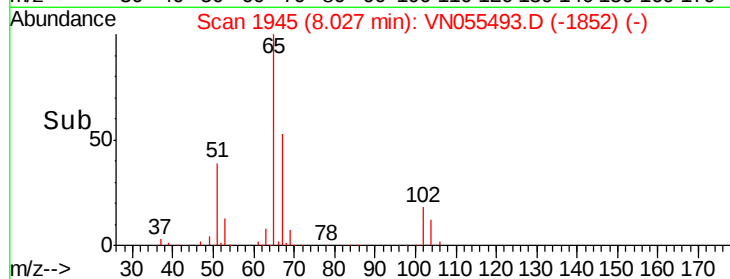
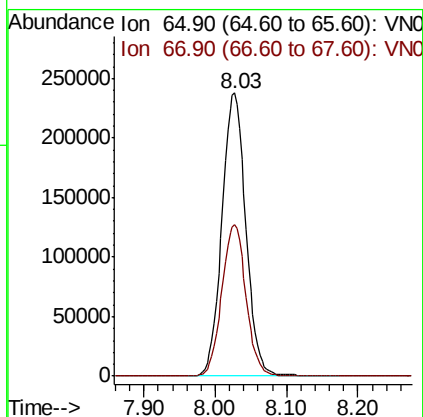
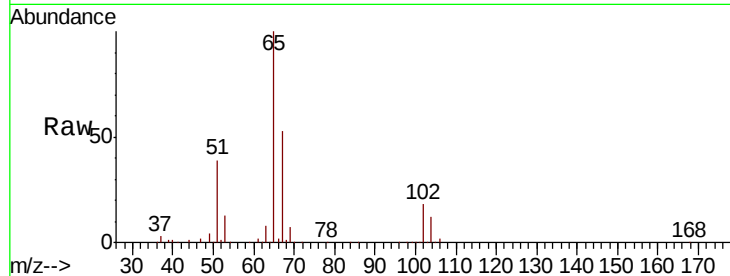




#33
 1,2-Dichloroethane-d4
 Concen: 46.133 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055493.D
 Acq: 9 May 2019 13:33

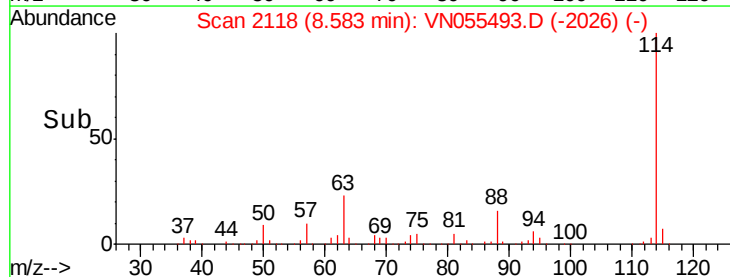
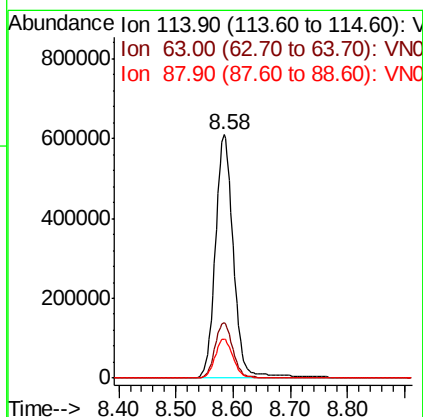
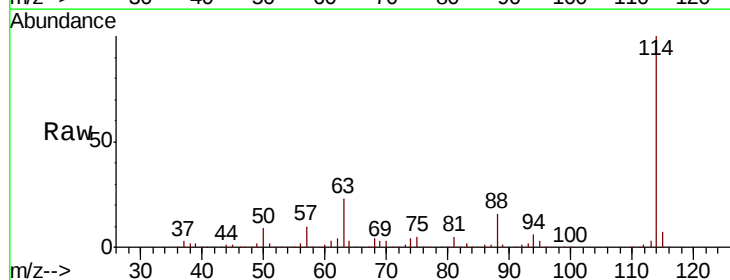
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09-1.0-1.5

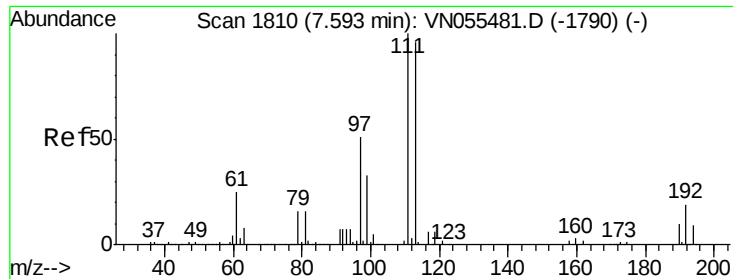
Tgt Ion: 65 Resp: 553360
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055493.D
 Acq: 9 May 2019 13:33

Tgt Ion: 114 Resp: 1343253
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.2 0.0 34.0

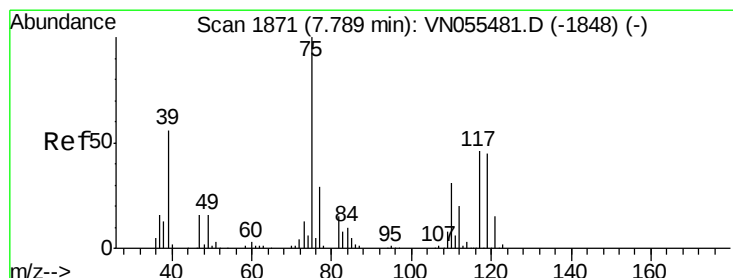
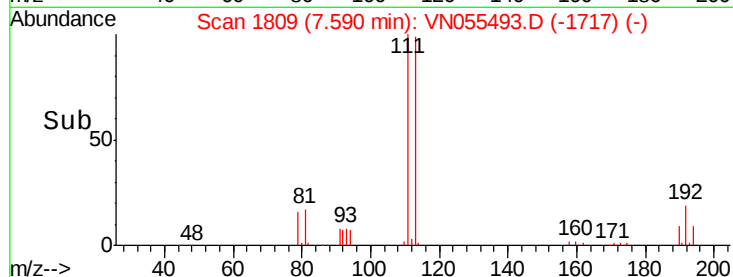
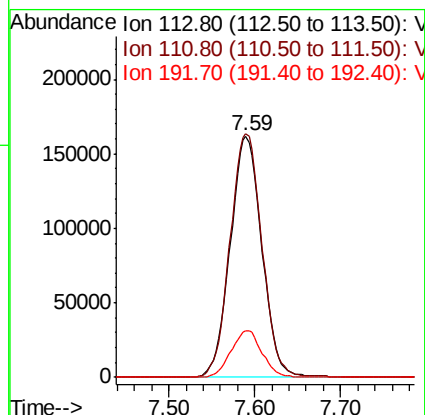
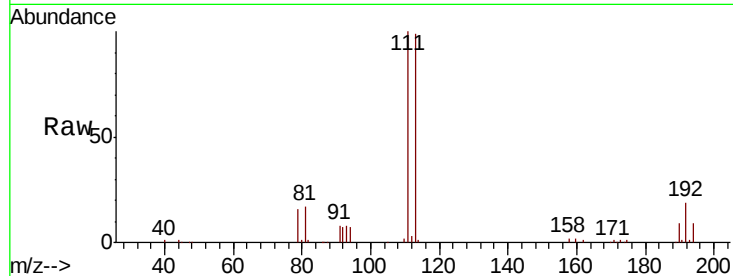




#35
 Dibromofluoromethane
 Concen: 47.686 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055493.D
 Acq: 9 May 2019 13:33

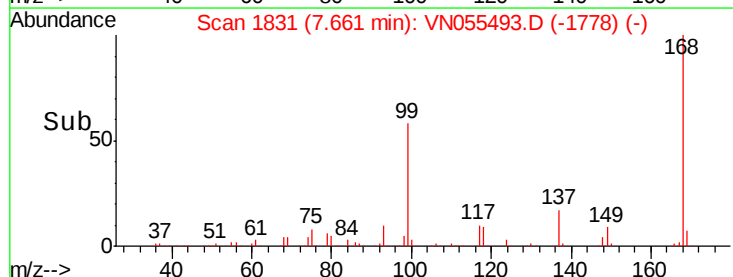
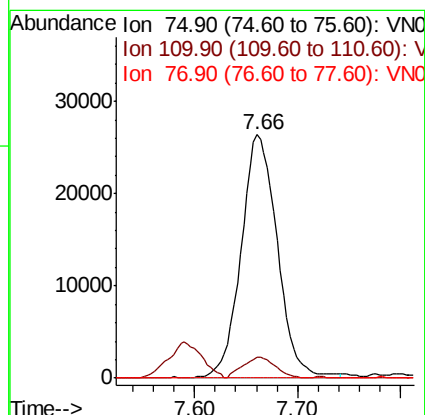
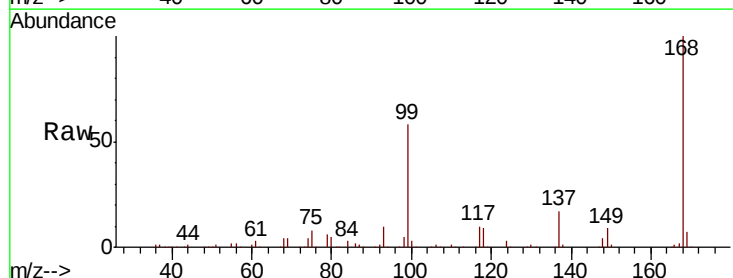
Instrument :
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 SB-09-1.0-1.5

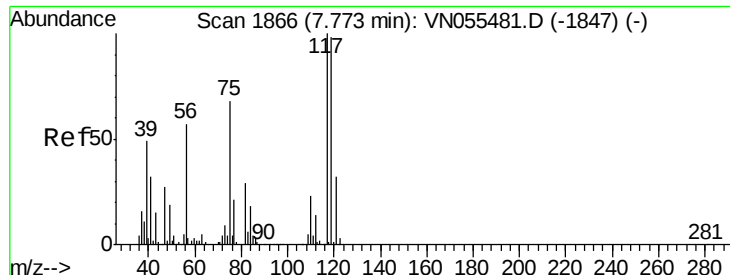
Tgt Ion: 113 Resp: 413197
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 18.9 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.873 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055493.D
 Acq: 9 May 2019 13:33

Tgt Ion: 75 Resp: 64490
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.1 48.3#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.986 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampled :

SB-09-1.0-1.5

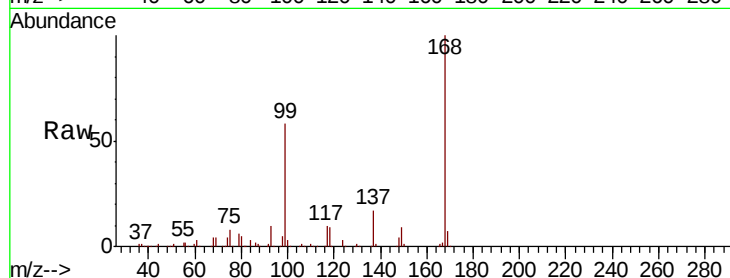
Tgt Ion:117 Resp: 77843

Ion Ratio Lower Upper

117 100

119 5.1 77.8 116.6#

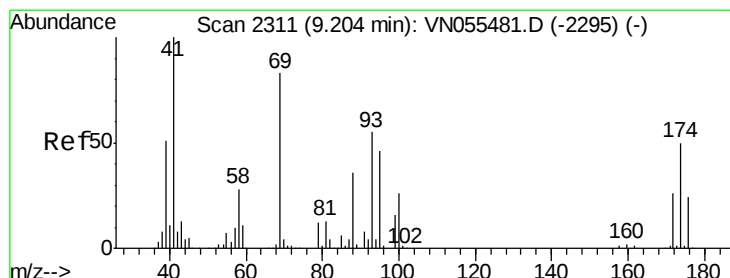
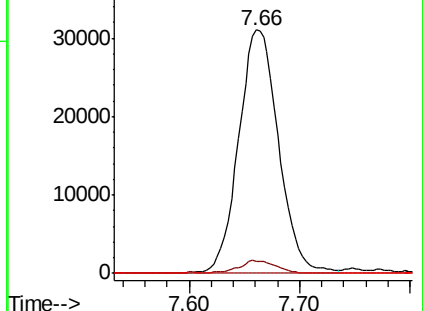
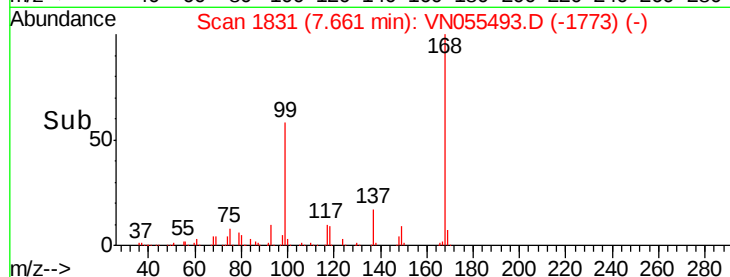
121 0.0 25.2 37.8#



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



#49

1,4-Dioxane

Concen: 0.782 ug/l

RT: 8.95 min Scan# 2231

Delta R.T. -0.26 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

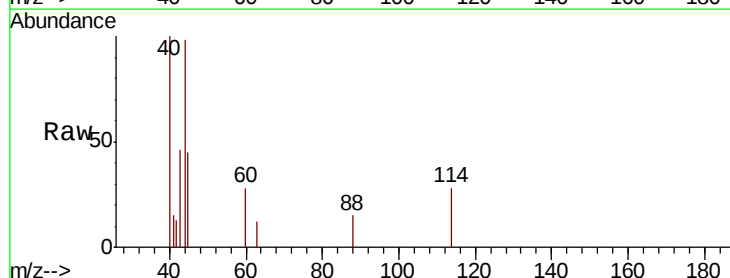
Tgt Ion: 88 Resp: 161

Ion Ratio Lower Upper

88 100

43 232.9 27.8 41.8#

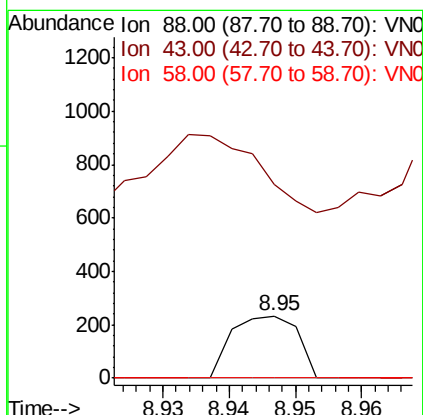
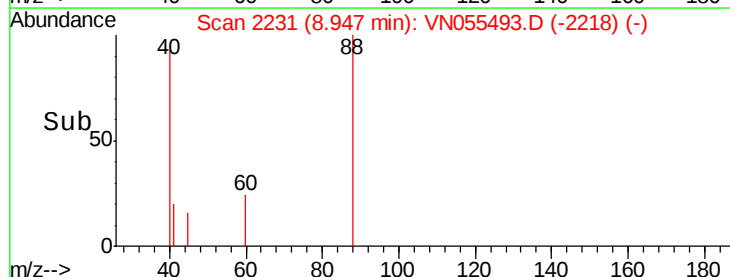
58 0.0 61.8 92.6#

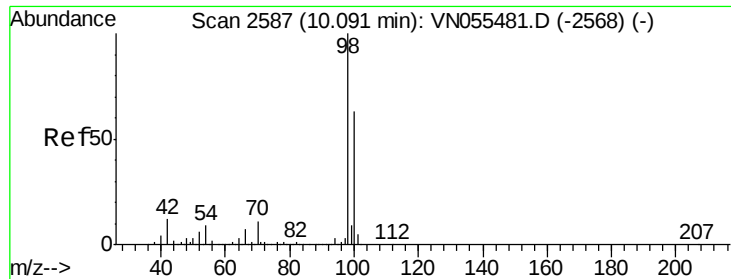


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 47.976 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

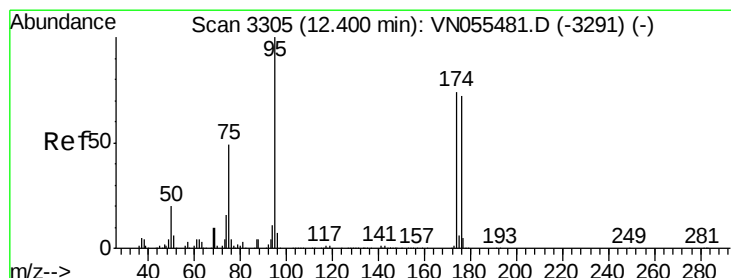
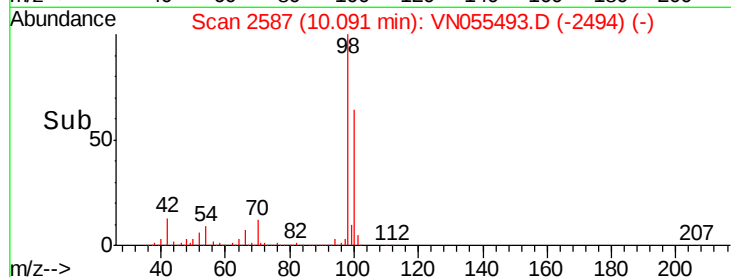
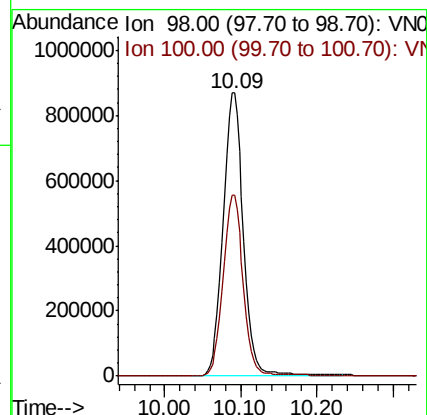
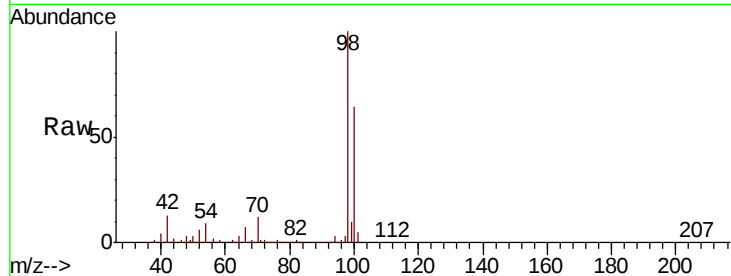
SB-09-1.0-1.5

Tgt Ion: 98 Resp: 1619999

Ion Ratio Lower Upper

98 100

100 62.8 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 46.615 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

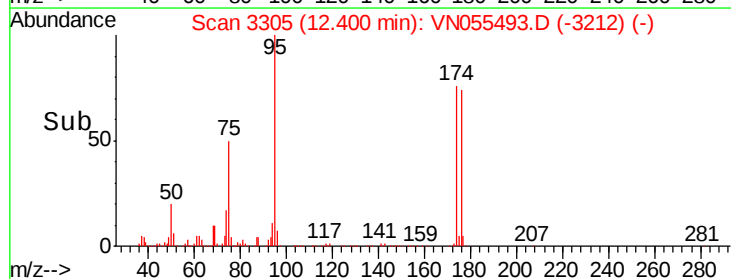
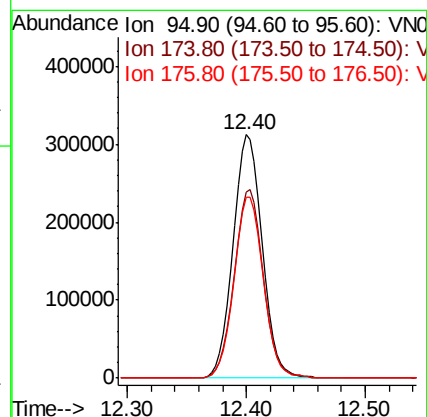
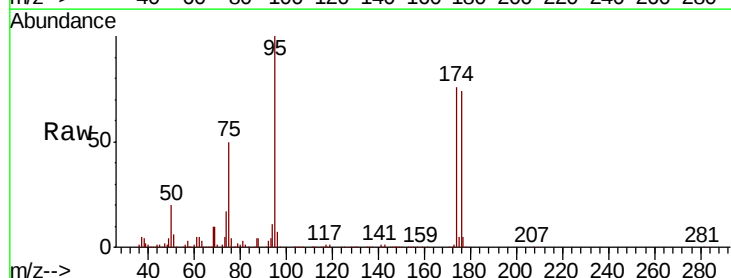
Tgt Ion: 95 Resp: 530747

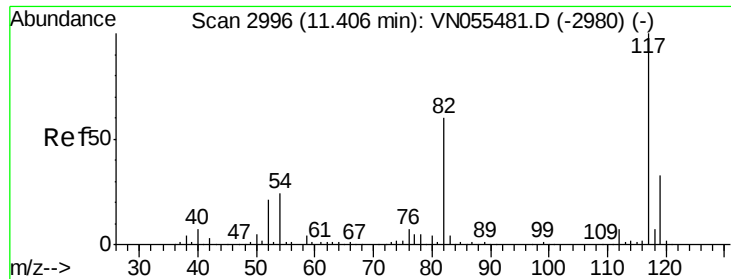
Ion Ratio Lower Upper

95 100

174 77.2 0.0 152.2

176 75.0 0.0 147.8

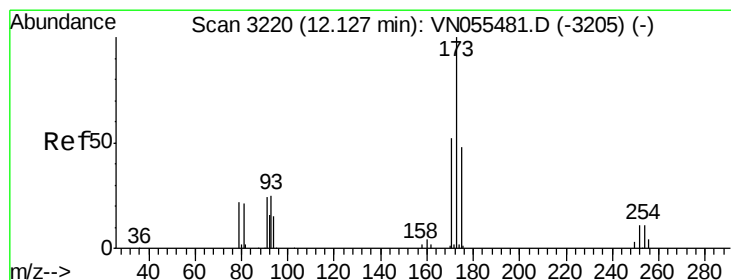
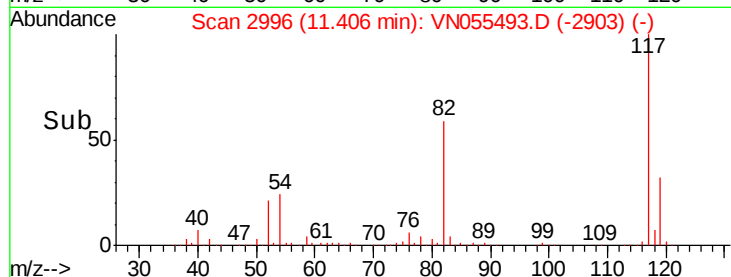
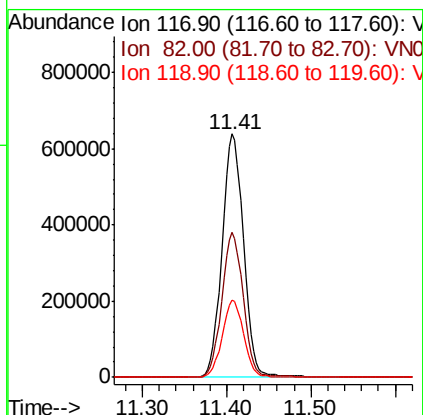
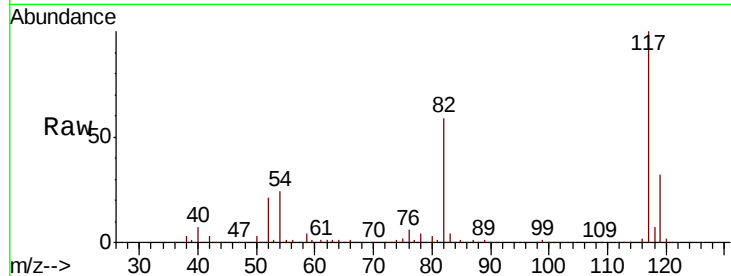




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055493.D
Acq: 9 May 2019 13:33

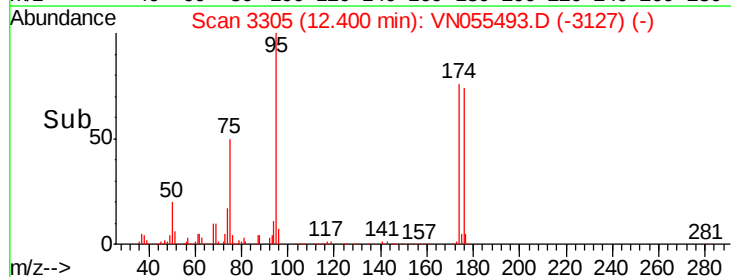
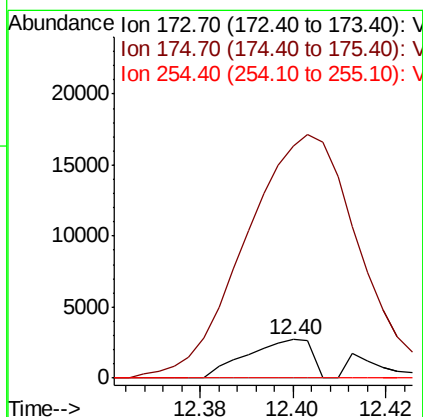
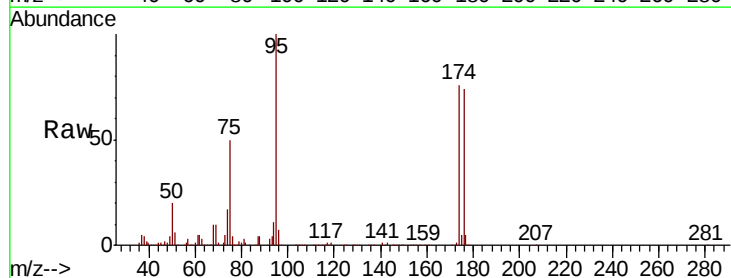
Instrument :
MSVOA_N
ClientSampled :
SB-09-1.0-1.5

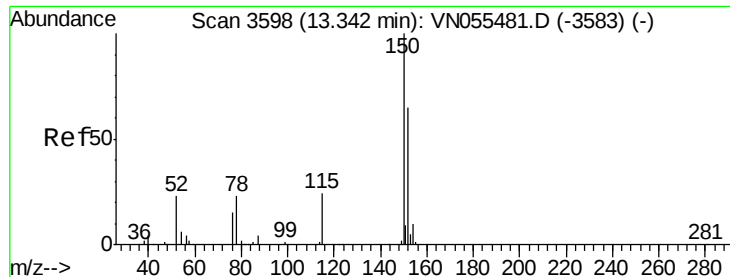
Tgt Ion:117 Resp: 1129575
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 31.8 26.0 39.0



#71
Bromoform
Concen: 0.488 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055493.D
Acq: 9 May 2019 13:33

Tgt Ion:173 Resp: 2632
Ion Ratio Lower Upper
173 100
175 966.5 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampled :

SB-09-1.0-1.5

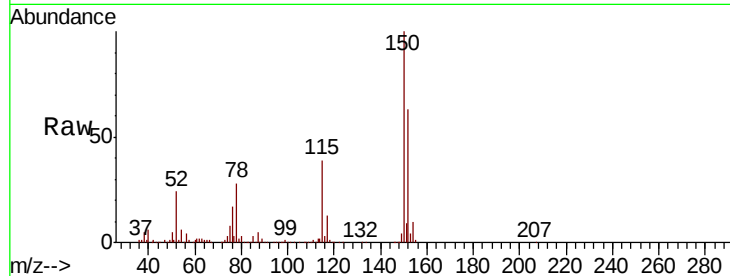
Tgt Ion:152 Resp: 414527

Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.5

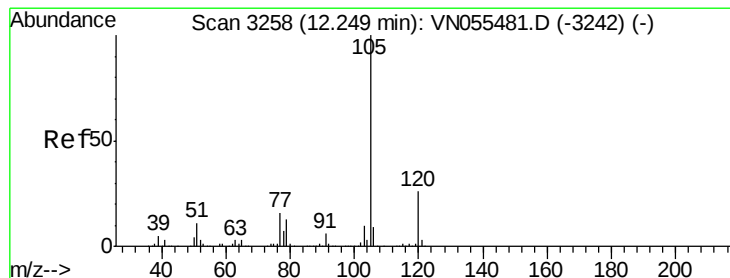
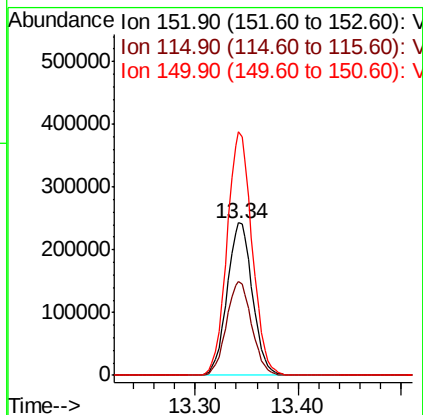
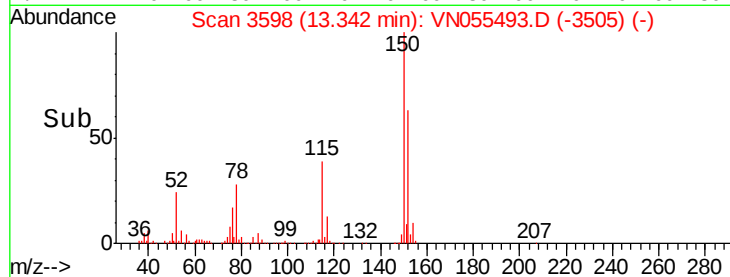
150 158.5 0.0 355.0



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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055493.D

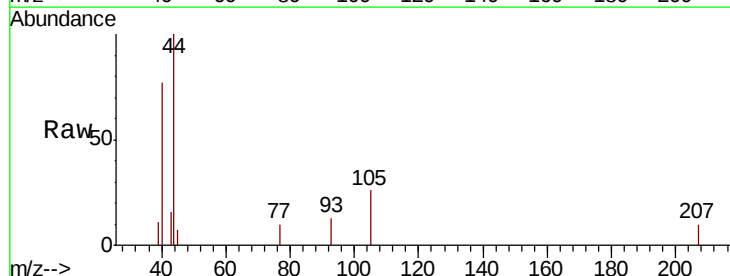
Acq: 9 May 2019 13:33

Tgt Ion:105 Resp: 893

Ion Ratio Lower Upper

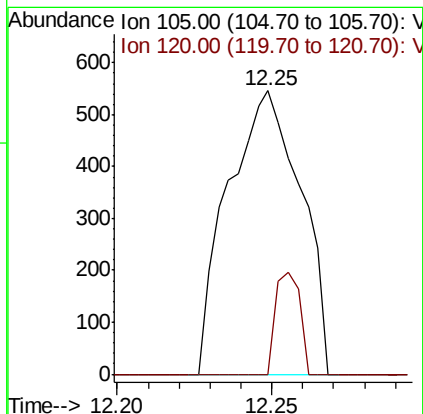
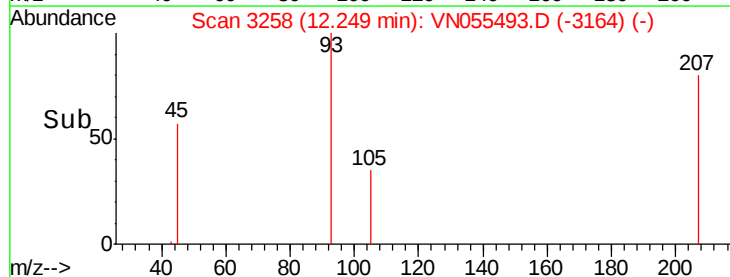
105 100

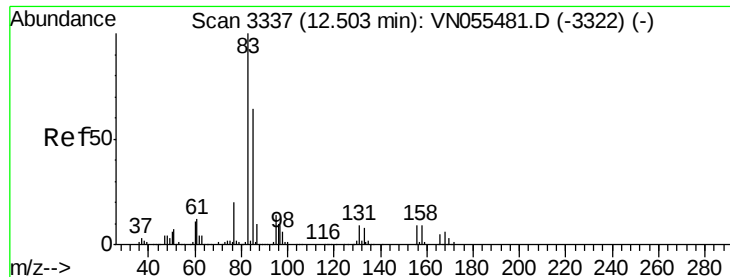
120 11.6 13.0 39.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

SB-09-1.0-1.5

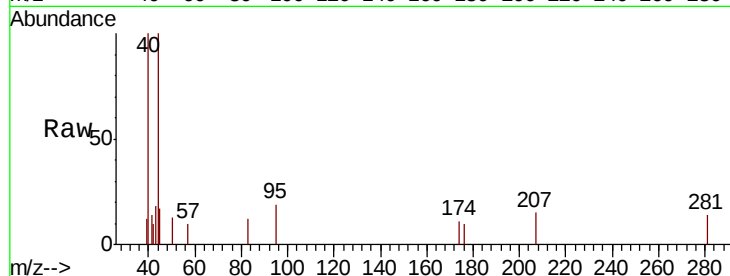
Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

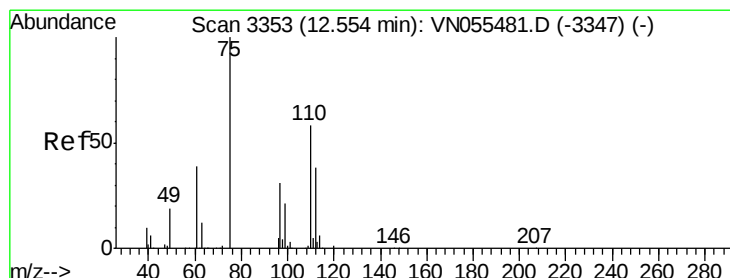
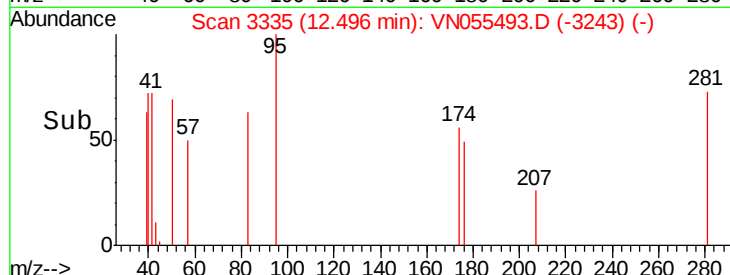
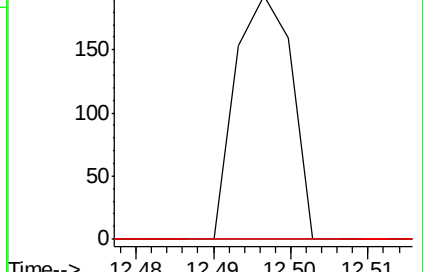
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.432 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055493.D

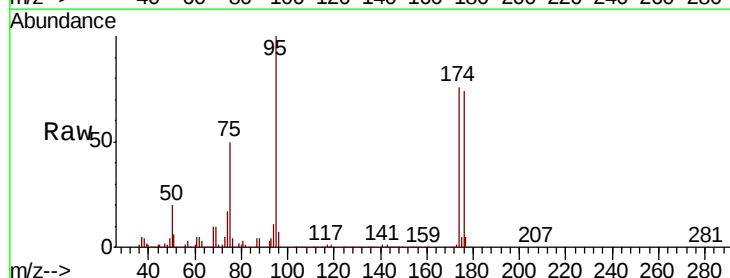
Acq: 9 May 2019 13:33

Tgt Ion: 75 Resp: 264423

Ion Ratio Lower Upper

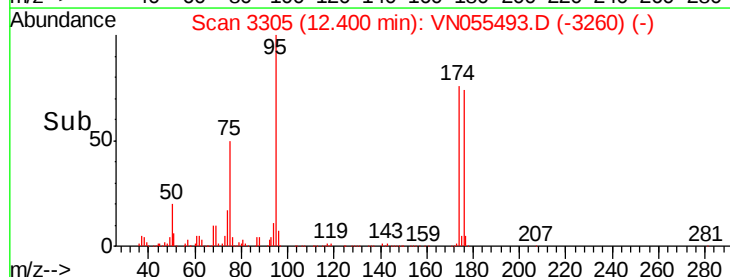
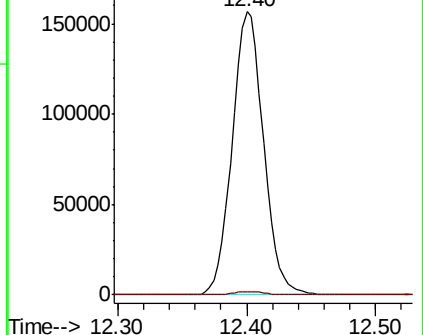
75 100

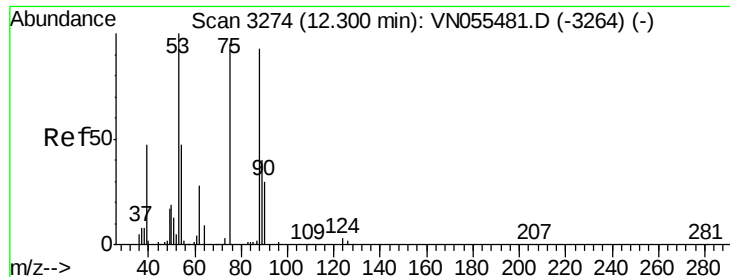
77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 86.460 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

SB-09-1.0-1.5

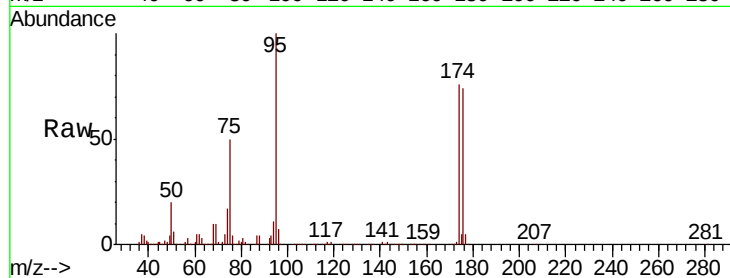
Tgt Ion: 75 Resp: 264423

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 35.7 53.5#

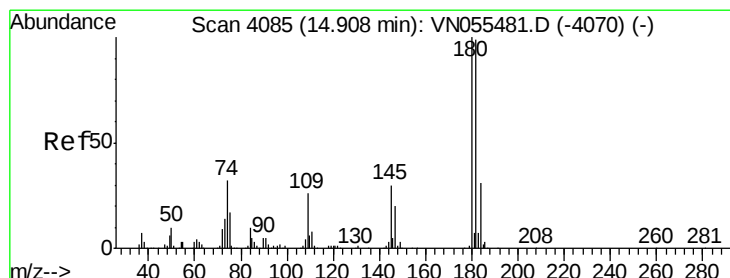
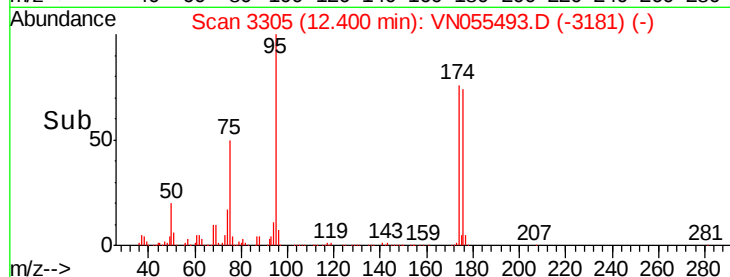
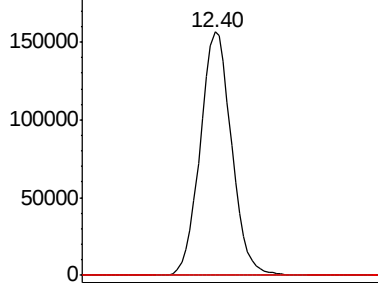


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 3.352 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

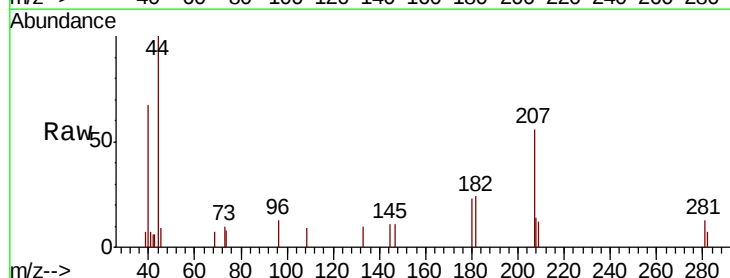
Tgt Ion: 180 Resp: 966

Ion Ratio Lower Upper

180 100

182 99.9 48.7 146.1

145 38.1 15.3 45.9

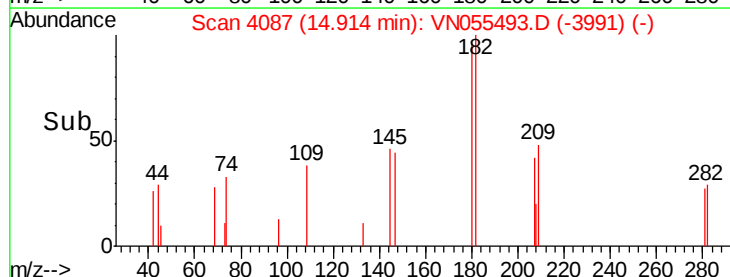
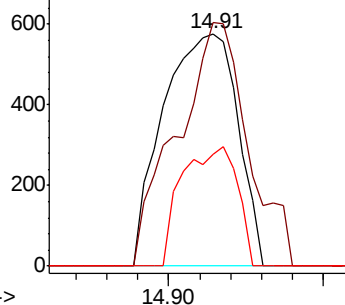


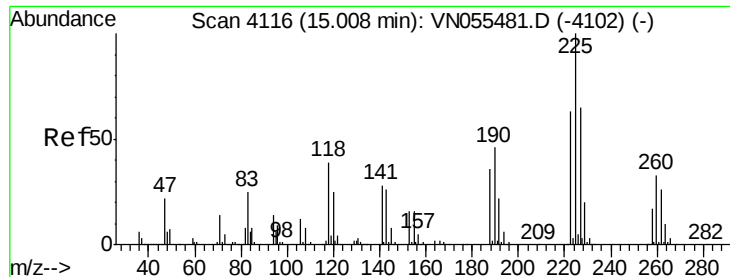
Abundance

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: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

Instrument :

MSVOA_N

ClientSampleId :

SB-09-1.0-1.5

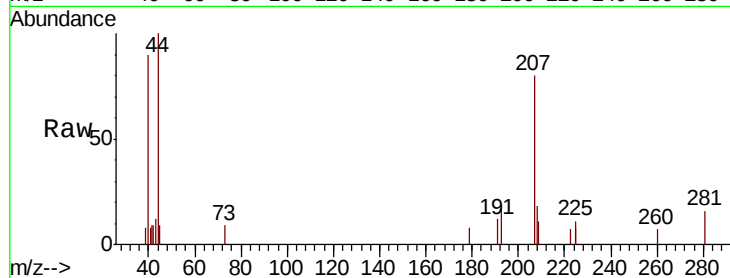
Tgt Ion:225 Resp: 389

Ion Ratio Lower Upper

225 100

223 24.7 31.4 94.3#

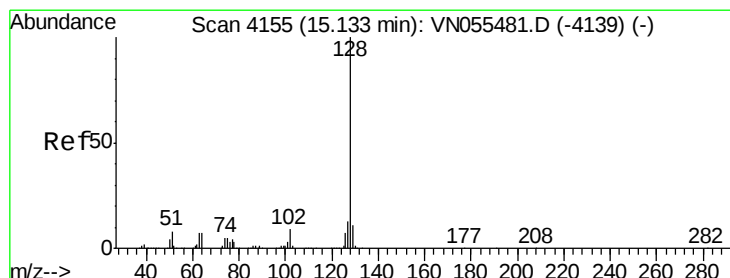
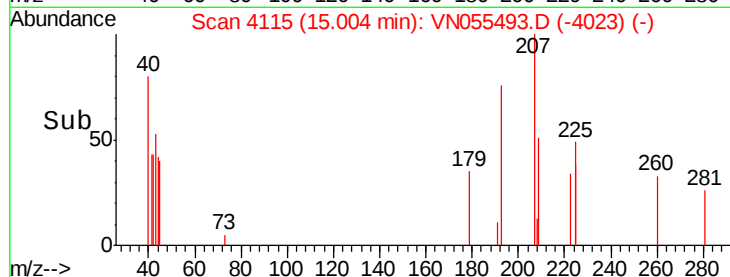
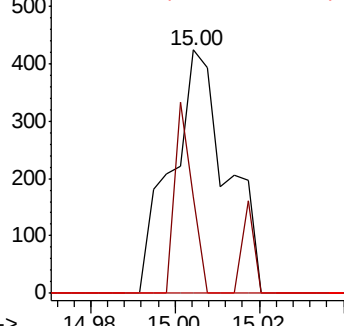
227 0.0 32.0 96.0#



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: 3.144 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055493.D

Acq: 9 May 2019 13:33

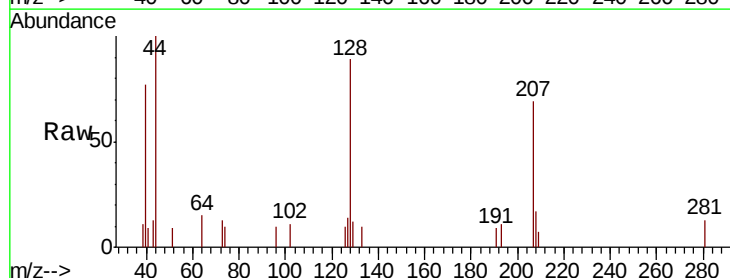
Tgt Ion:128 Resp: 3807

Ion Ratio Lower Upper

128 100

127 14.5 10.0 15.0

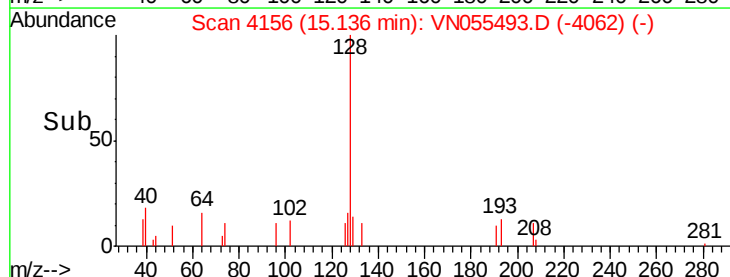
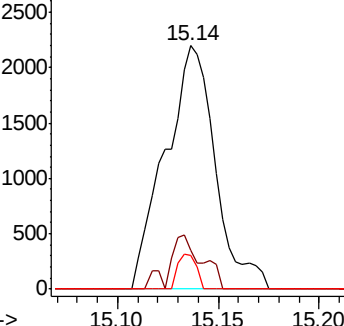
129 5.4 8.8 13.2#

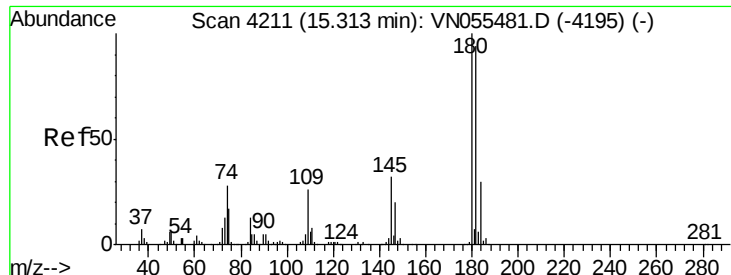


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.535 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055493.D
 Acq: 9 May 2019 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	113.0	47.1	141.3
145	29.9	15.8	47.4

