

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061159.D
 Acq On : 28 Apr 2020 13:18
 Operator : JC/MD
 Sample : VN0428WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBL01

Quant Time: Apr 28 14:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	114823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	198602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	185270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76171	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	87317	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.54	113	58887	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	10.06	98	245764	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.37	95	89057	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

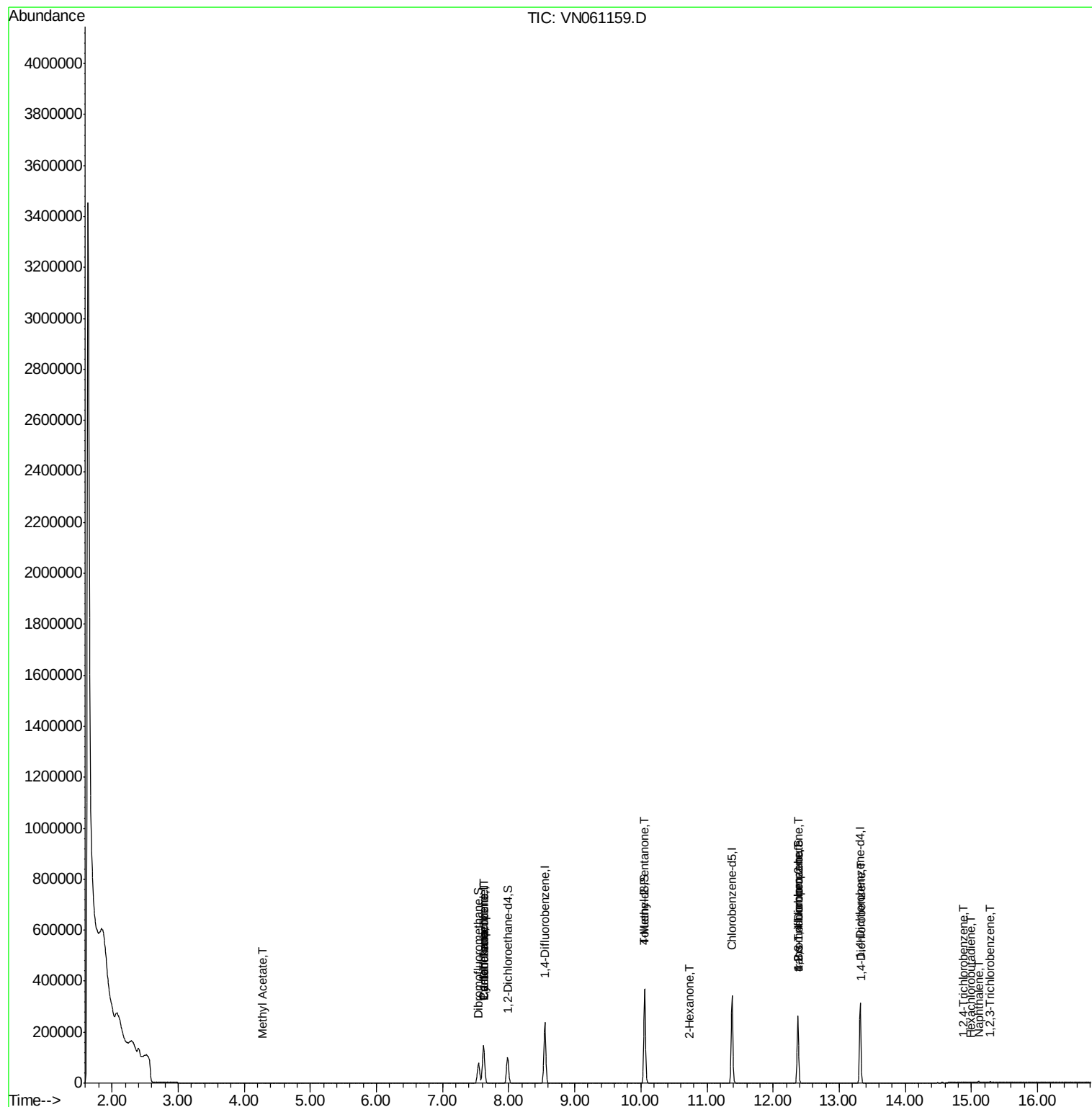
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	1600	Below Cal	#	47
18) Methyl Acetate	4.27	43	617	0.944	ug/l #	55
31) Cyclohexane	7.62	56	2806	1.062	ug/l #	4
36) 1,1-Dichloropropene	7.63	75	10038	5.049	ug/l #	51
38) Carbon Tetrachloride	7.62	117	11979	7.535	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1322	0.581	ug/l #	1
59) 2-Hexanone	10.73	43	603	0.364	ug/l #	48
76) 1,2,3-Trichloropropane	12.37	75	49732	30.969	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	49732	78.644	ug/l #	8
88) 1,4-Dichlorobenzene	13.34	146	506	0.208	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.89	180	635	0.457	ug/l	77
94) Hexachlorobutadiene	14.98	225	184	0.317	ug/l #	18
95) Naphthalene	15.11	128	3399	0.751	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.28	180	1070	0.780	ug/l	85

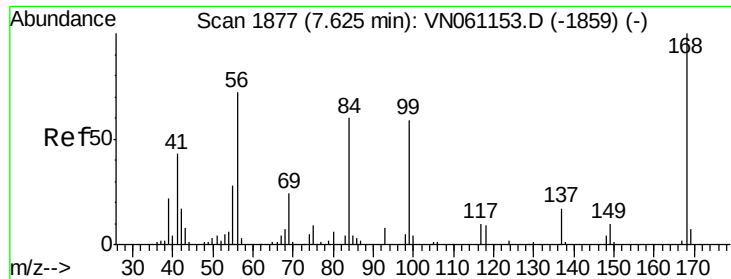
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 28 02:20:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

Instrument :

MSVOA_N

ClientSampled :

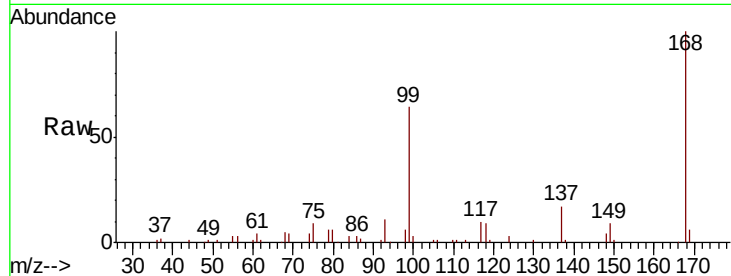
VN0428WBL01

Tot Ion:168 Resp: 114823

Ion Ratio Lower Upper

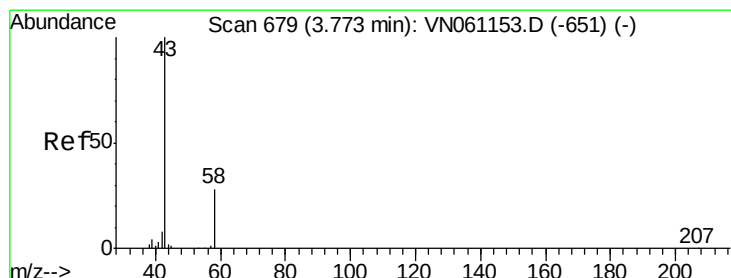
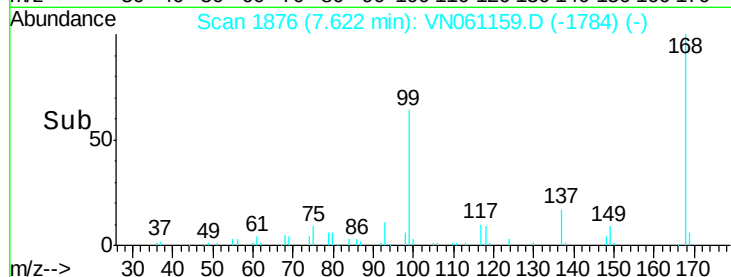
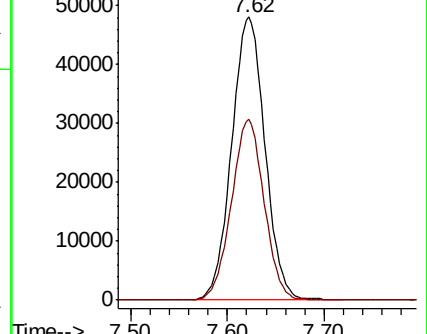
168 100

99 63.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061159.D

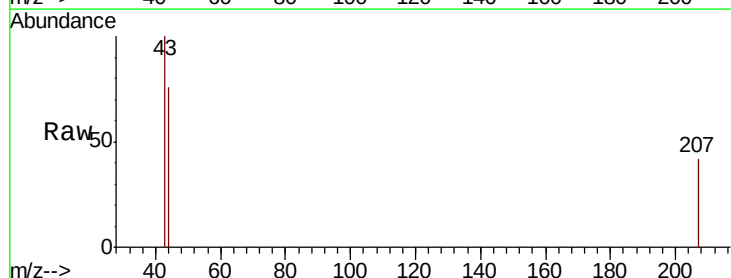
Acq: 28 Apr 2020 13:18

Tgt Ion: 43 Resp: 1600

Ion Ratio Lower Upper

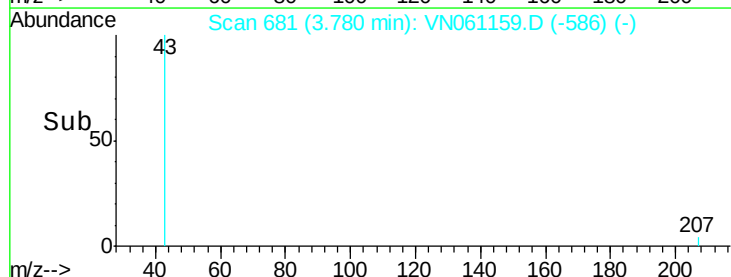
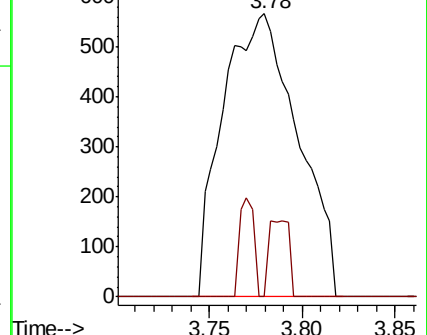
43 100

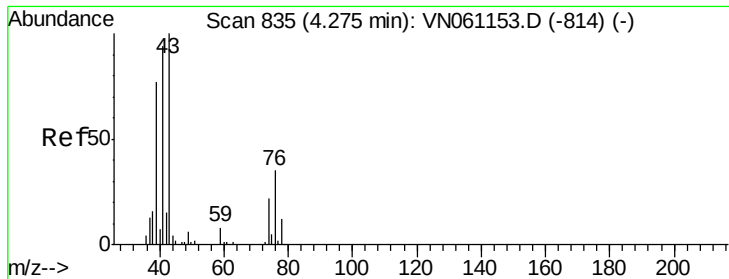
58 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#18

Methvl Acetate

Concen: 0.944 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

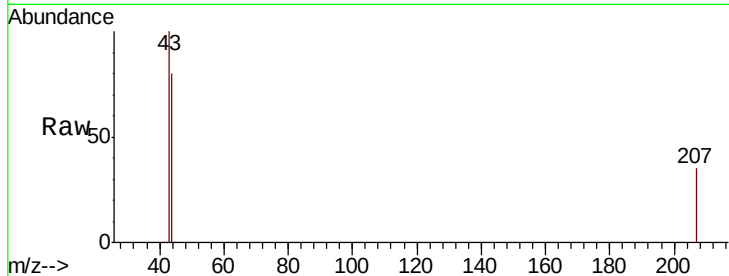
VN0428WBL01

Tot Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

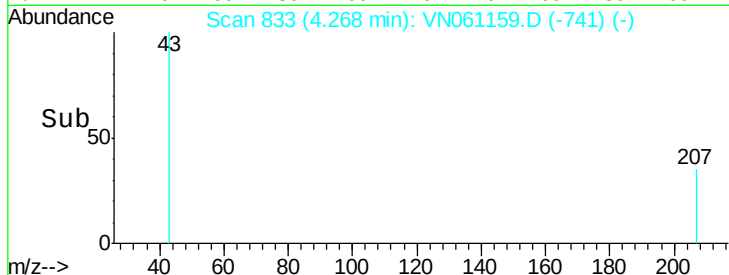
4.27

4.28

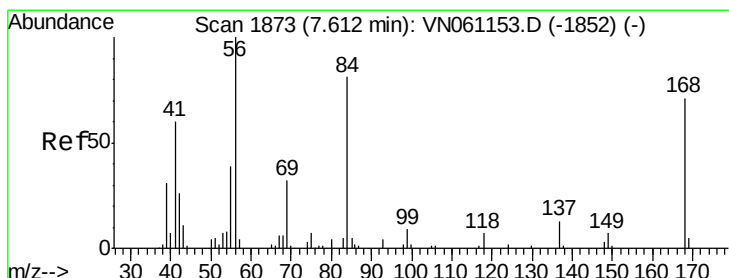
4.26

4.24

4.22



Time-->



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. 0.01 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

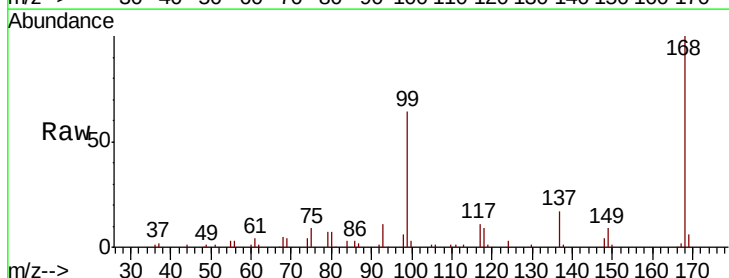
Tgt Ion: 56 Resp: 2806

Ion Ratio Lower Upper

56 100

69 163.5 25.7 38.5#

84 117.4 64.6 97.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

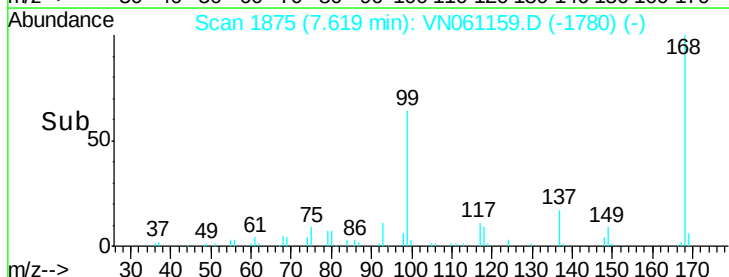
Ion 84.00 (83.70 to 84.70): VN0

7.62

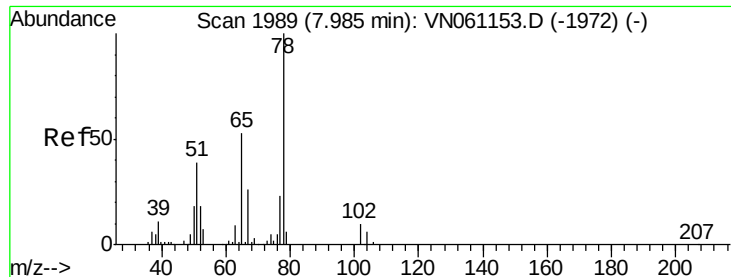
7.65

7.60

7.55



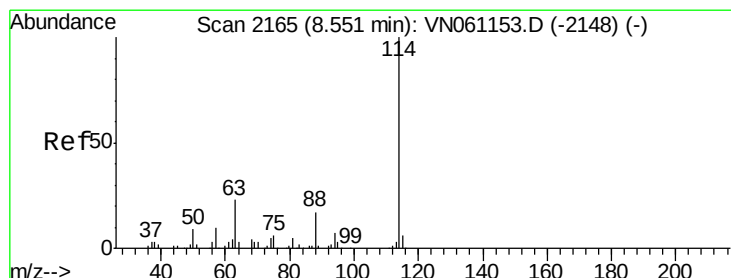
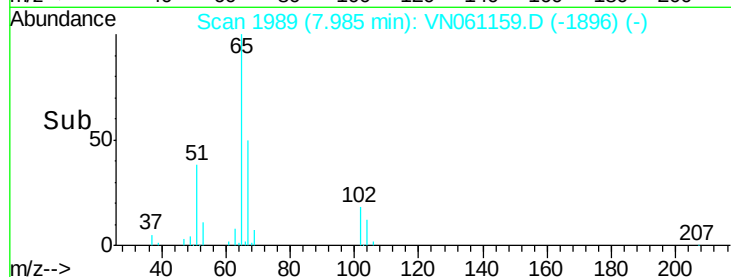
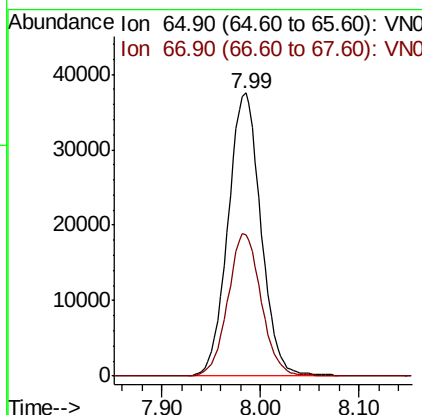
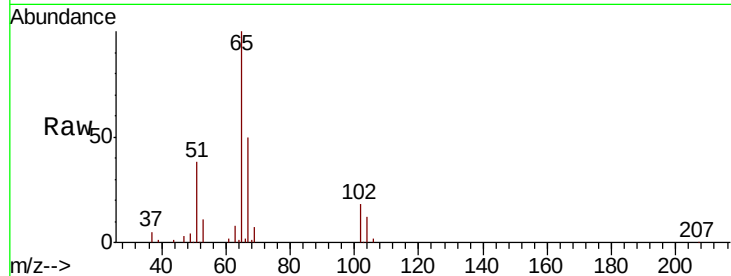
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 48.059 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

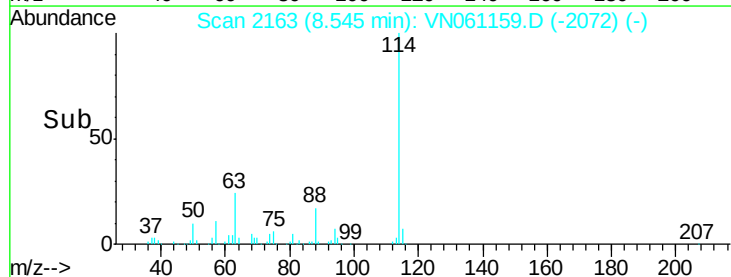
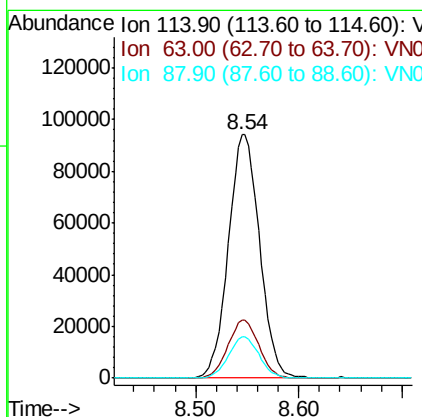
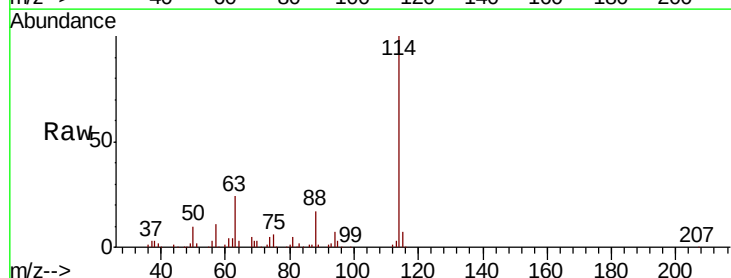
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBL01

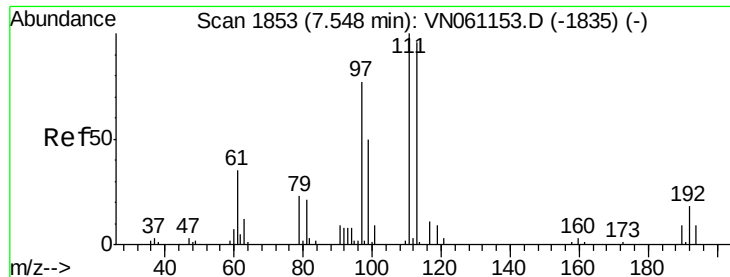
Tot Ion: 65 Resp: 87317
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

Tgt Ion: 114 Resp: 198602
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 17.0 0.0 33.4

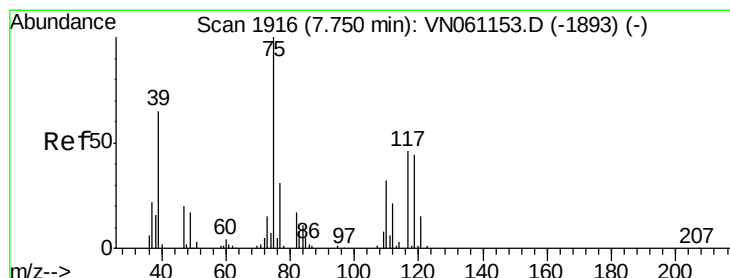
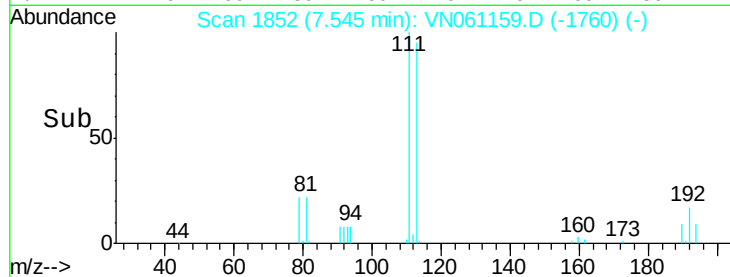
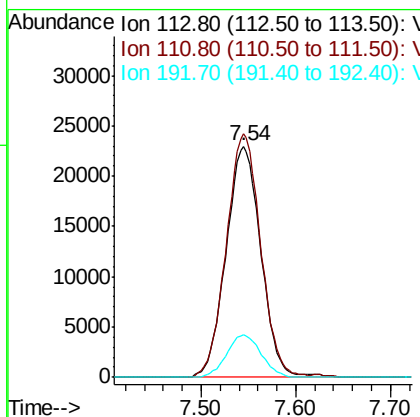
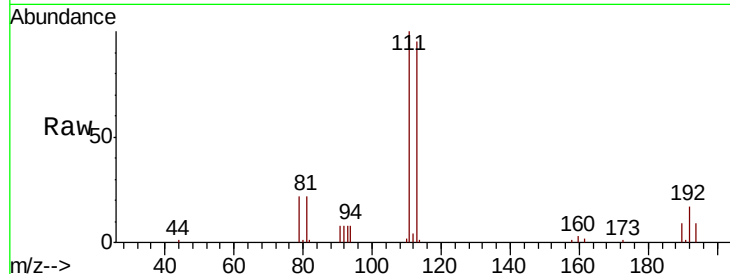




#35
 Dibromofluoromethane
 Concen: 50.143 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

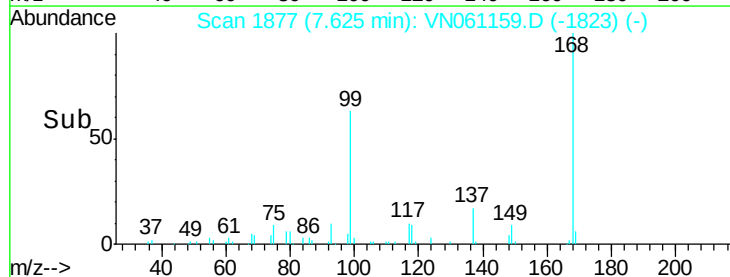
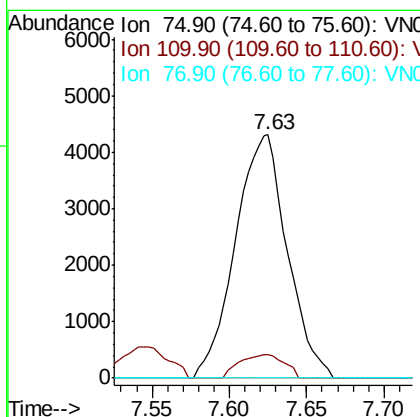
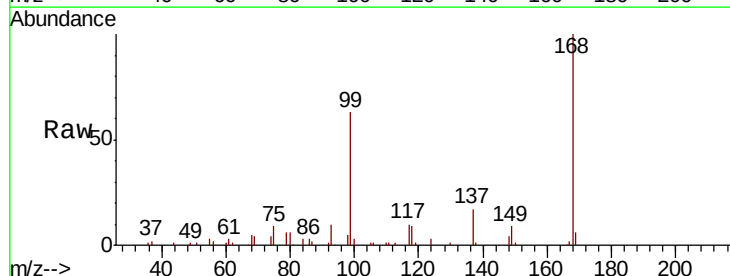
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBL01

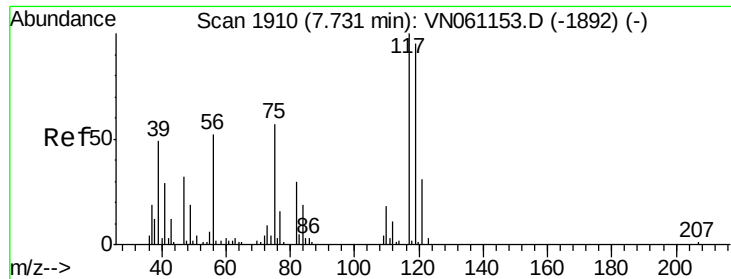
Tot Ion:113 Resp: 58887
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 18.0 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

Tgt Ion: 75 Resp: 10038
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.535 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. -0.11 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBL01

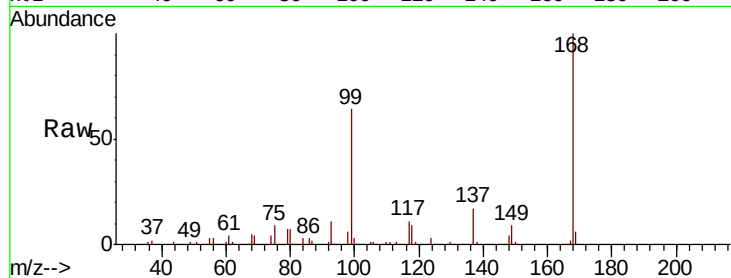
Tot Ion:117 Resp: 11979

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

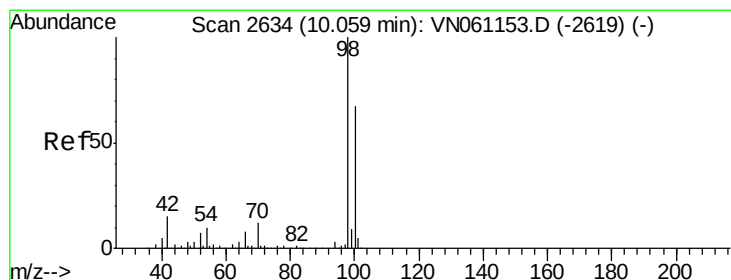
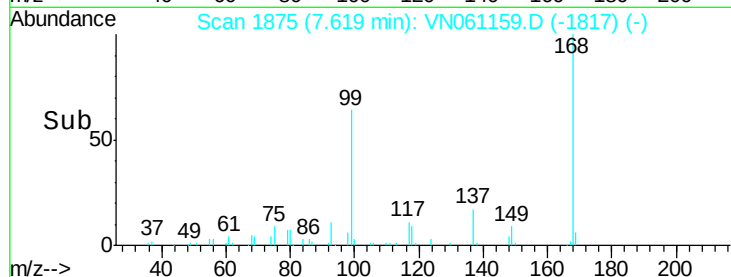
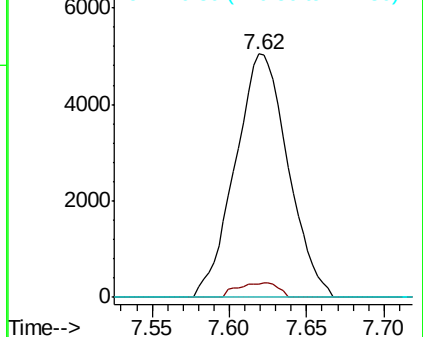
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.336 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. -0.00 min

Lab File: VN061159.D

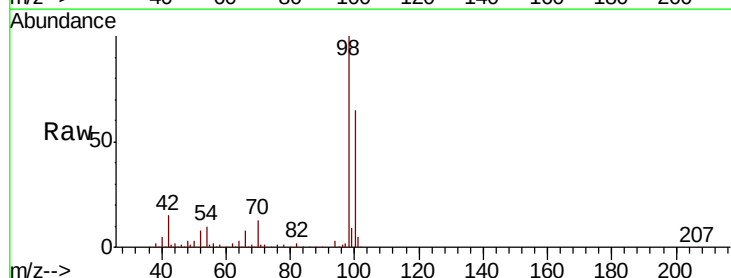
Acq: 28 Apr 2020 13:18

Tgt Ion: 98 Resp: 245764

Ion Ratio Lower Upper

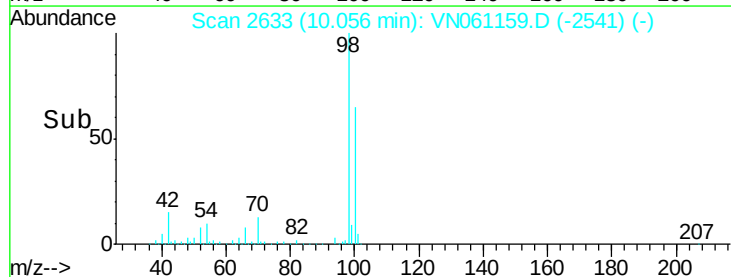
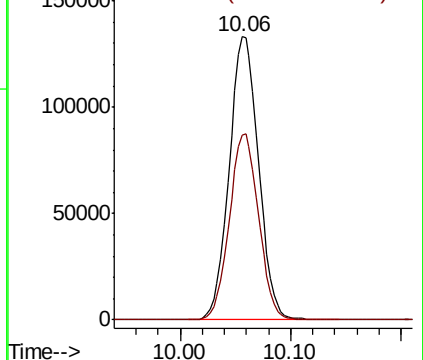
98 100

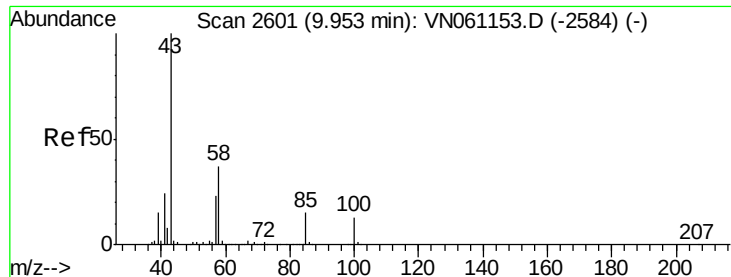
100 65.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

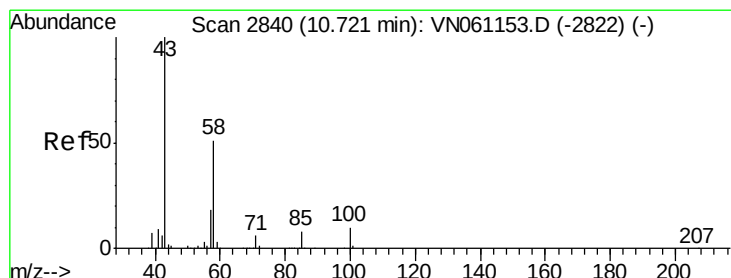
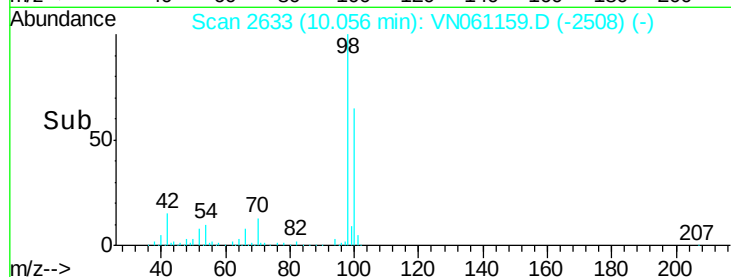
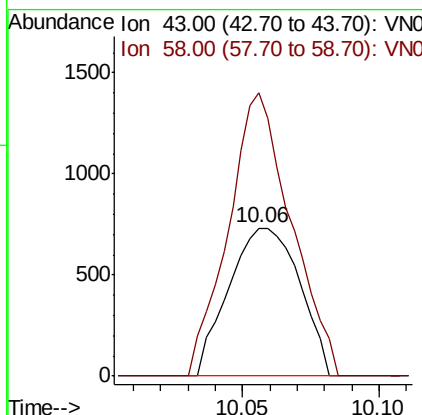
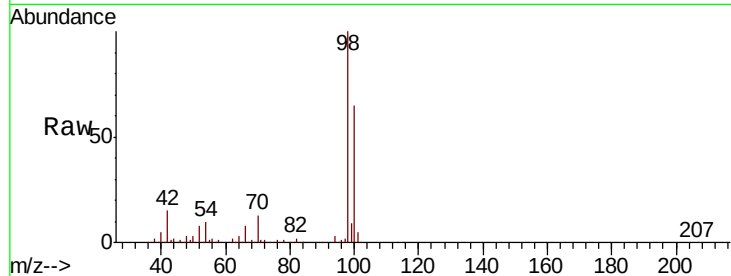




#51
 4-Methyl-2-Pentanone
 Concen: 0.581 ug/l
 RT: 10.06 min Scan# 2633
 Delta R.T. 0.10 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

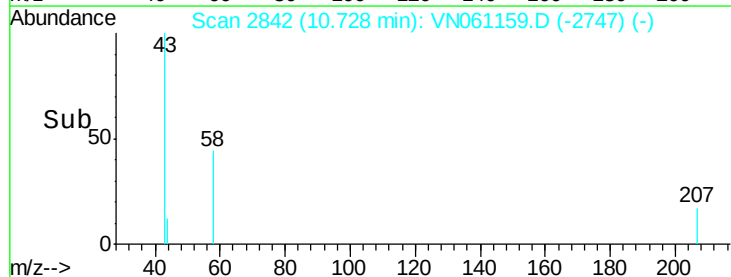
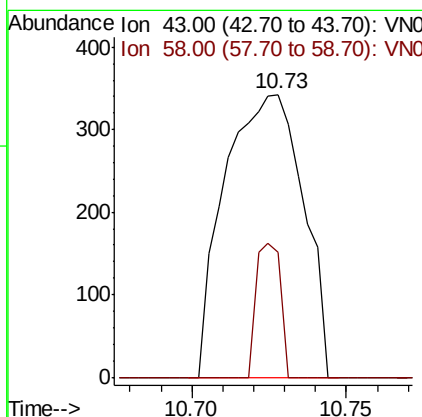
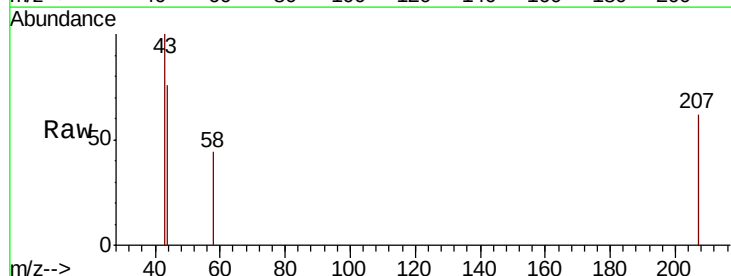
Instrument :
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 VN0428WBL01

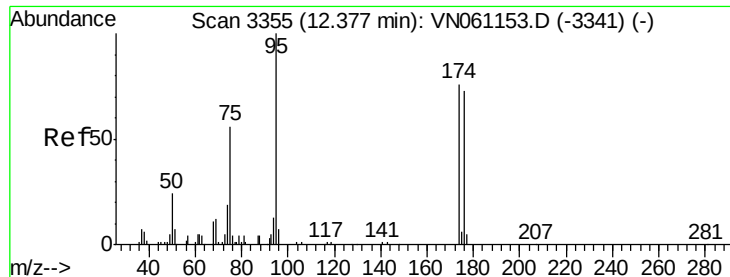
Tot Ion: 43 Resp: 1322
 Ion Ratio Lower Upper
 43 100
 58 169.2 29.1 43.7#



#59
 2-Hexanone
 Concen: 0.364 ug/l
 RT: 10.73 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

Tgt Ion: 43 Resp: 603
 Ion Ratio Lower Upper
 43 100
 58 14.9 25.4 76.4#

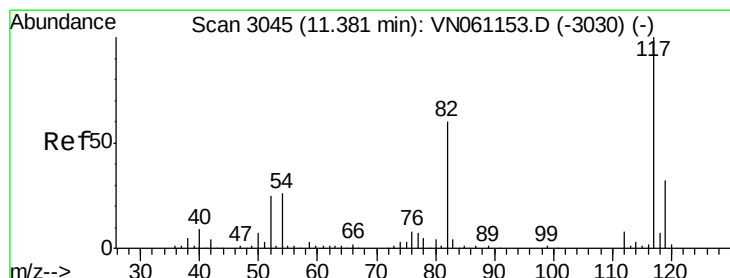
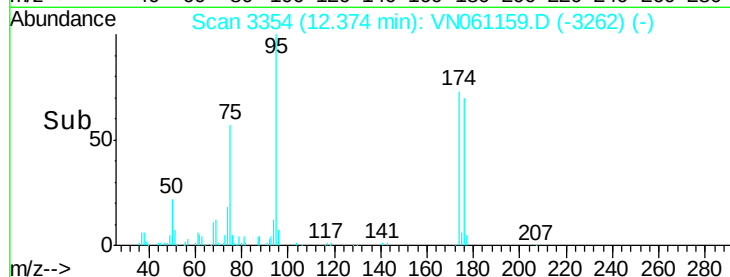
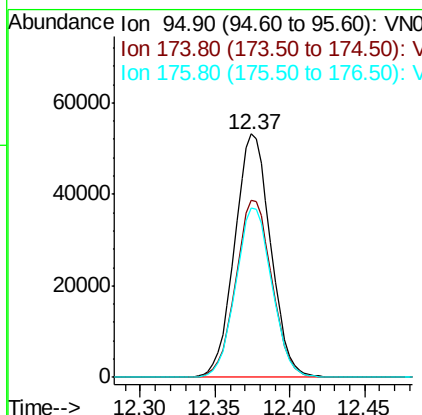
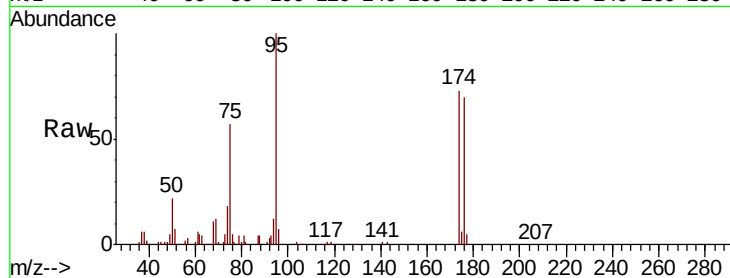




#62
4-Bromofluorobenzene
Concen: 49.433 ug/l
RT: 12.37 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VN061159.D
Acq: 28 Apr 2020 13:18

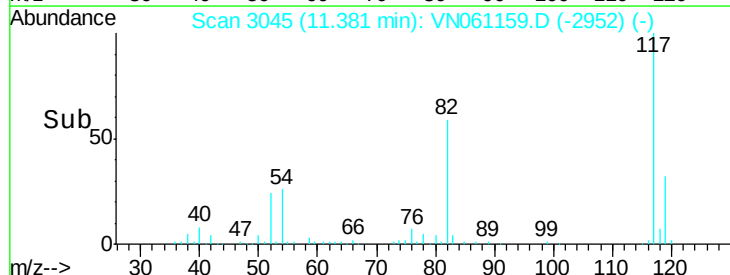
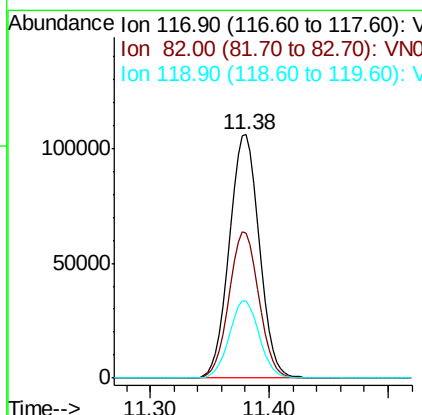
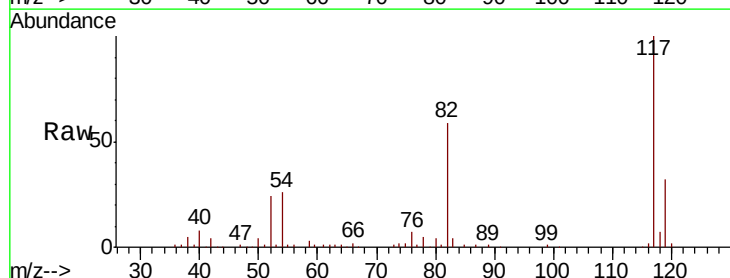
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

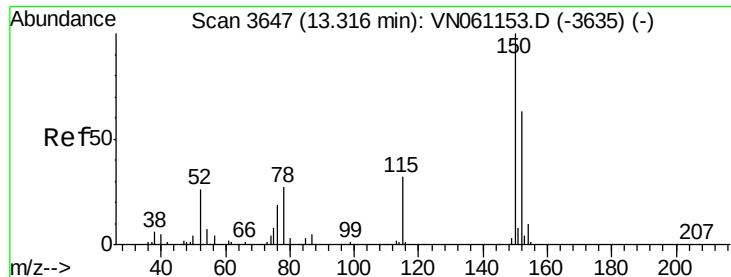
Tot Ion	95	Resp	89057
Ion Ratio	100		
Lower			
Upper			
174	73.0	0.0	149.4
176	69.8	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061159.D
Acq: 28 Apr 2020 13:18

Tgt Ion	117	Resp	185270
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	59.5	47.8	71.8
119	31.8	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0428WBL01

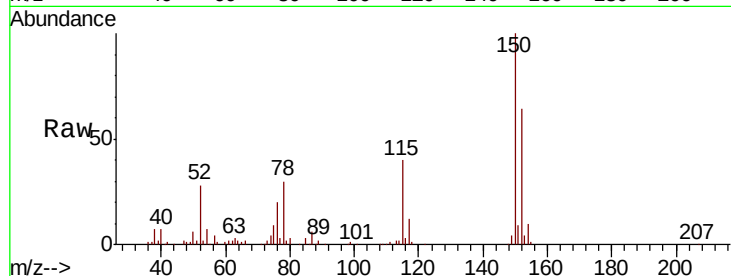
Tot Ion:152 Resp: 76171

Ion Ratio Lower Upper

152 100

115 62.0 31.0 93.0

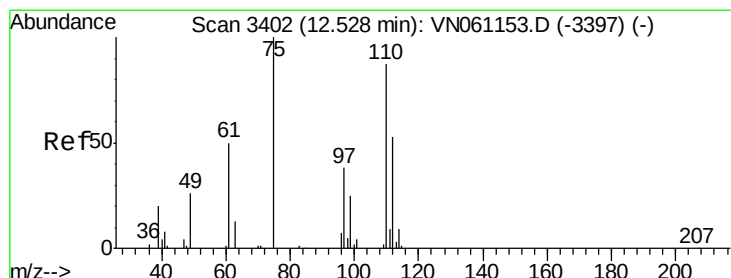
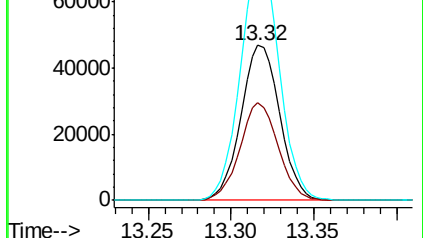
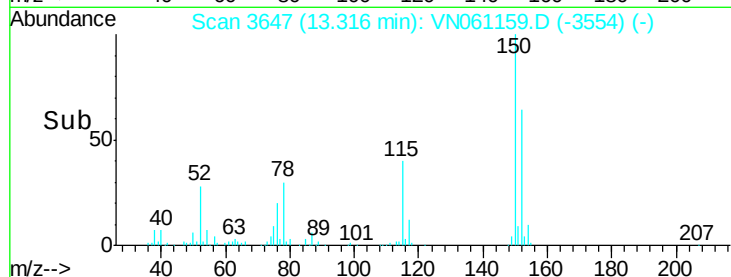
150 156.4 0.0 351.8



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



#76

1,2,3-Trichloropropane

Concen: 30.969 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.15 min

Lab File: VN061159.D

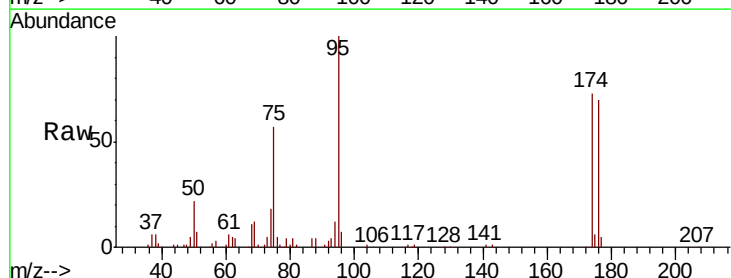
Acq: 28 Apr 2020 13:18

Tgt Ion: 75 Resp: 49732

Ion Ratio Lower Upper

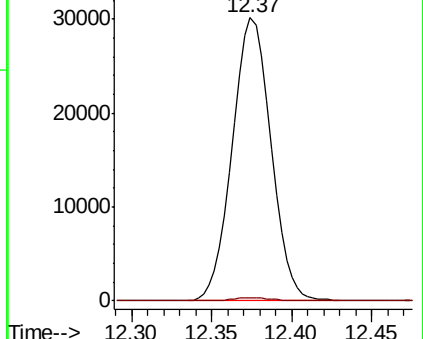
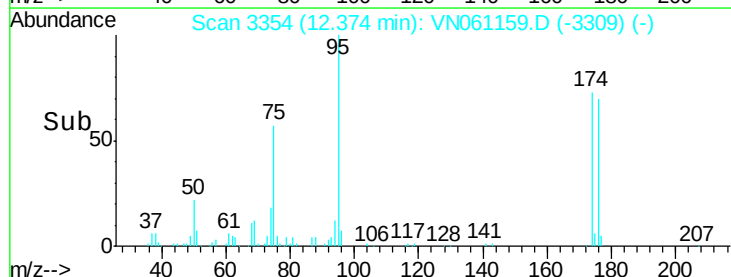
75 100

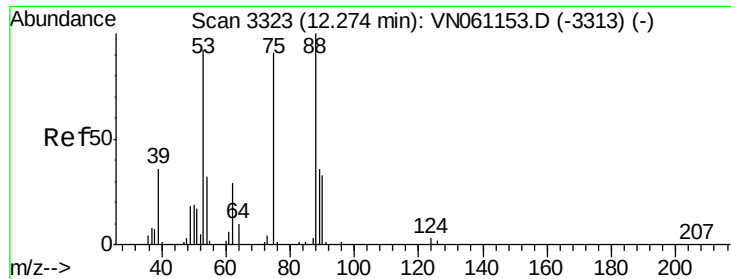
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 78.644 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.10 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBL01

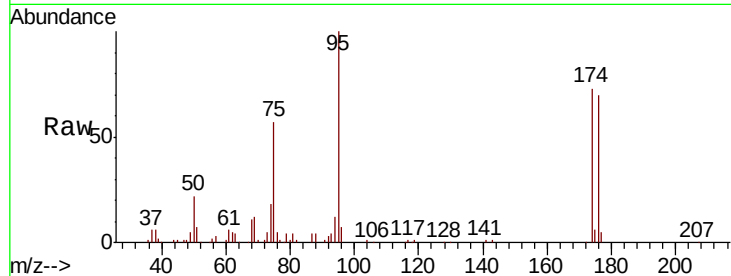
Tot Ion: 75 Resp: 49732

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

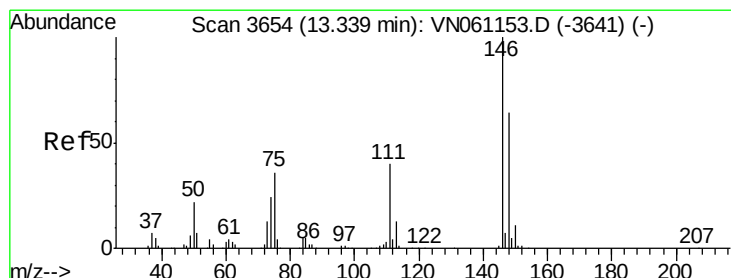
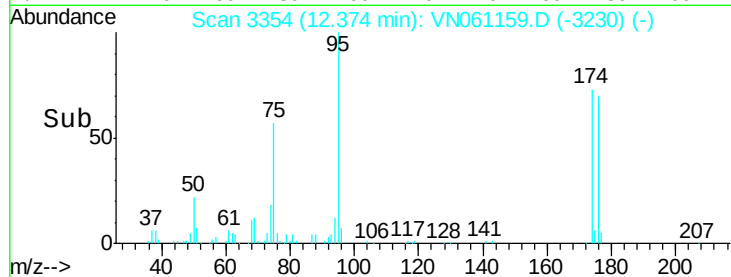
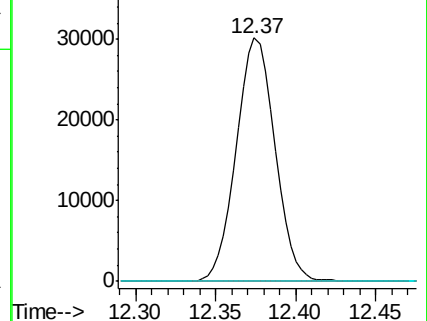
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#88

1,4-Dichlorobenzene

Concen: 0.208 ug/l

RT: 13.34 min Scan# 3653

Delta R.T. -0.00 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

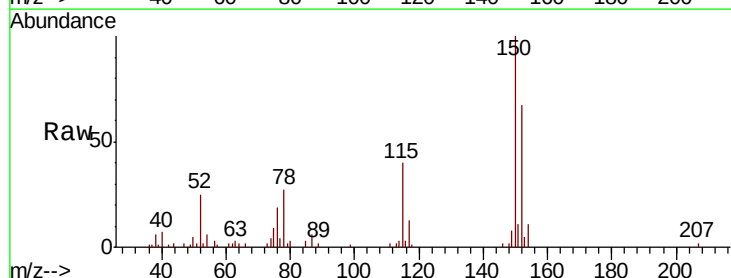
Tgt Ion: 146 Resp: 506

Ion Ratio Lower Upper

146 100

111 251.8 20.4 61.3#

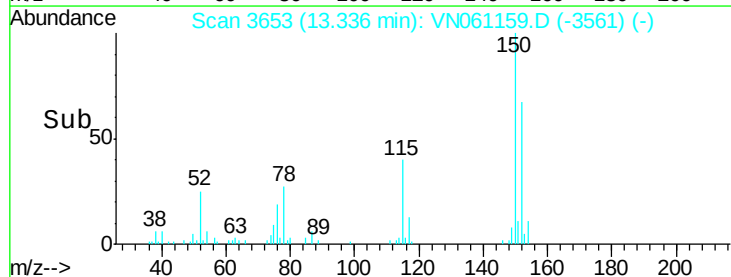
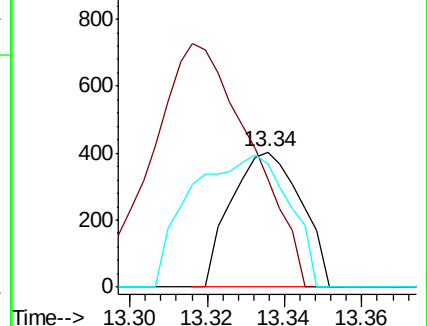
148 137.4 31.9 95.7#

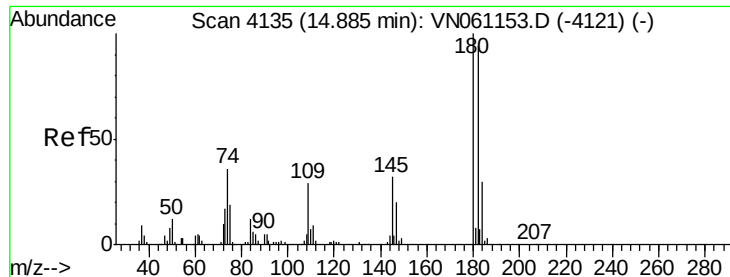


Abundance Ion 145.90 (145.60 to 146.60): VN061153.D (-3641) (-)

Ion 110.90 (110.60 to 111.60): VN061153.D (-3641) (-)

Ion 147.90 (147.60 to 148.60): VN061153.D (-3641) (-)

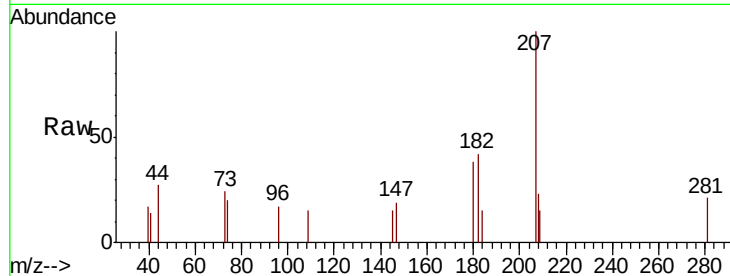




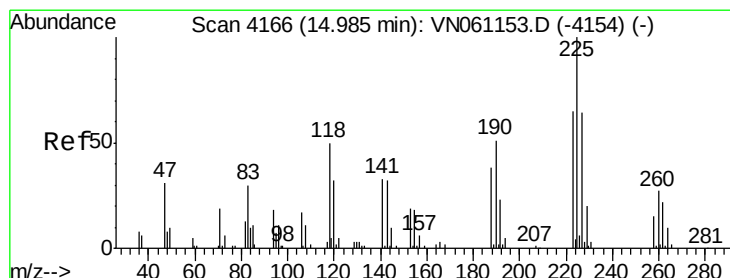
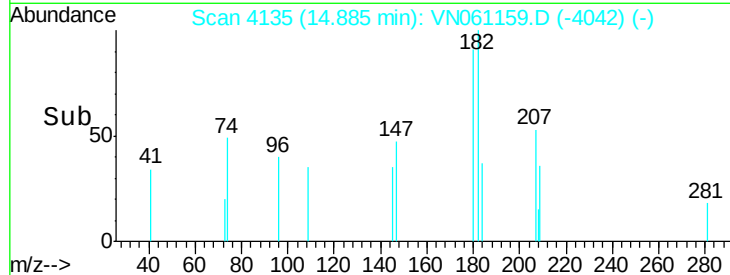
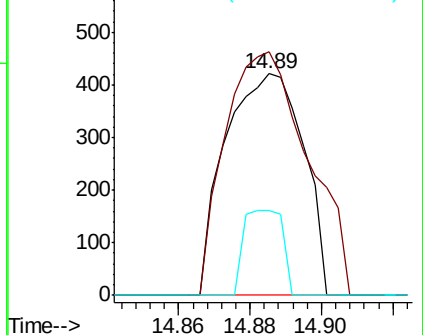
#93
 1,2,4-Trichlorobenzene
 Concen: 0.457 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0428WBL01

Tot Ion:180 Resp: 635
 Ion Ratio Lower Upper
 180 100
 182 116.7 47.3 141.9
 145 19.2 16.0 47.9

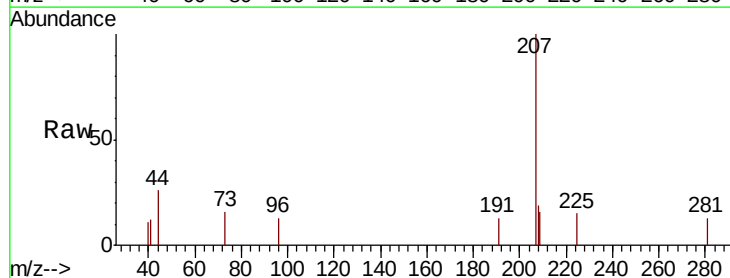


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

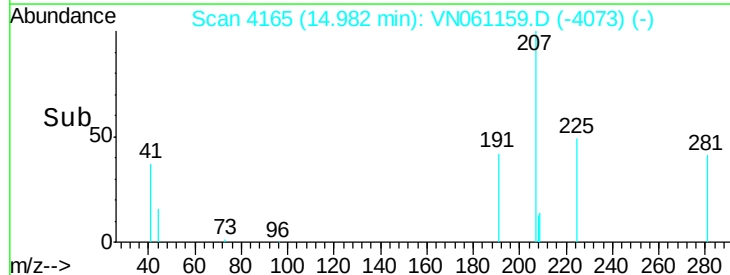
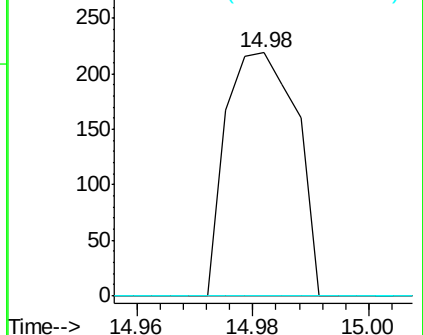


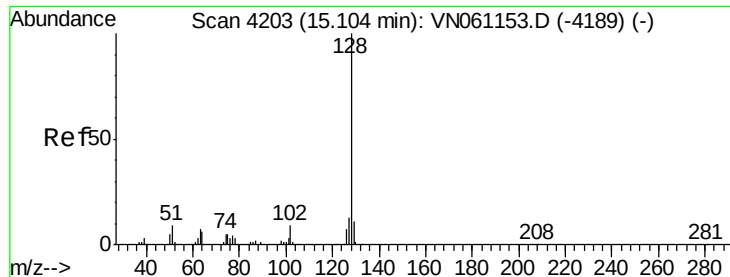
#94
 Hexachlorobutadiene
 Concen: 0.317 ug/l
 RT: 14.98 min Scan# 4165
 Delta R.T. -0.00 min
 Lab File: VN061159.D
 Acq: 28 Apr 2020 13:18

Tgt Ion:225 Resp: 184
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.4 97.0#
 227 0.0 32.4 97.0#



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: 0.751 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

Instrument :

MSVOA_N

ClientSampled :

VN0428WBL01

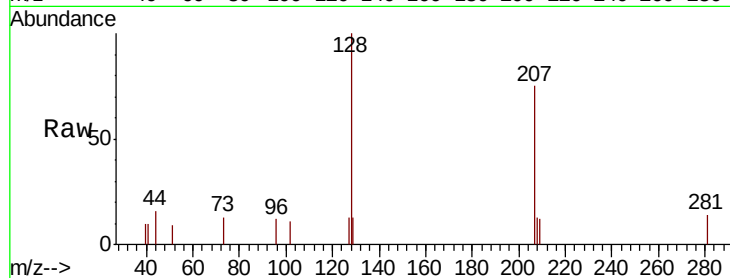
Tot Ion:128 Resp: 3399

Ion Ratio Lower Upper

128 100

127 9.6 10.4 15.6#

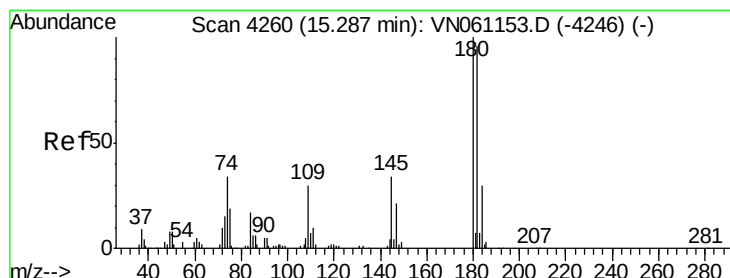
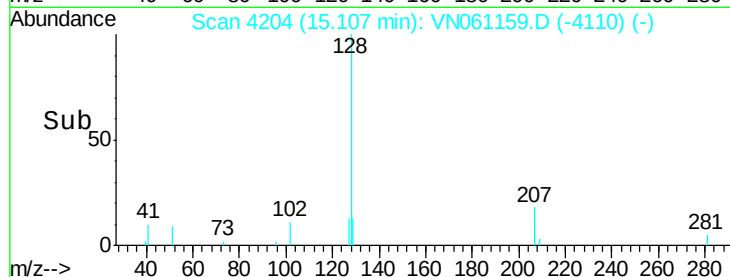
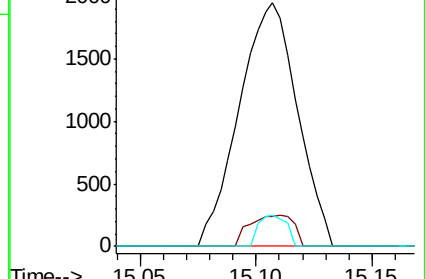
129 6.1 8.7 13.1#



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: 0.780 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061159.D

Acq: 28 Apr 2020 13:18

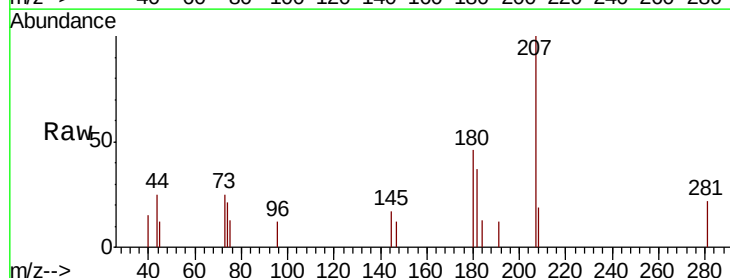
Tgt Ion:180 Resp: 1070

Ion Ratio Lower Upper

180 100

182 82.1 47.5 142.5

145 21.7 16.9 50.7



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

