

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059835.D
 Acq On : 24 Jan 2020 10:48
 Operator : JC/MD
 Sample : VN0124WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:24:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	209157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	110089	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.56	113	95404	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	10.08	98	363212	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	116194	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

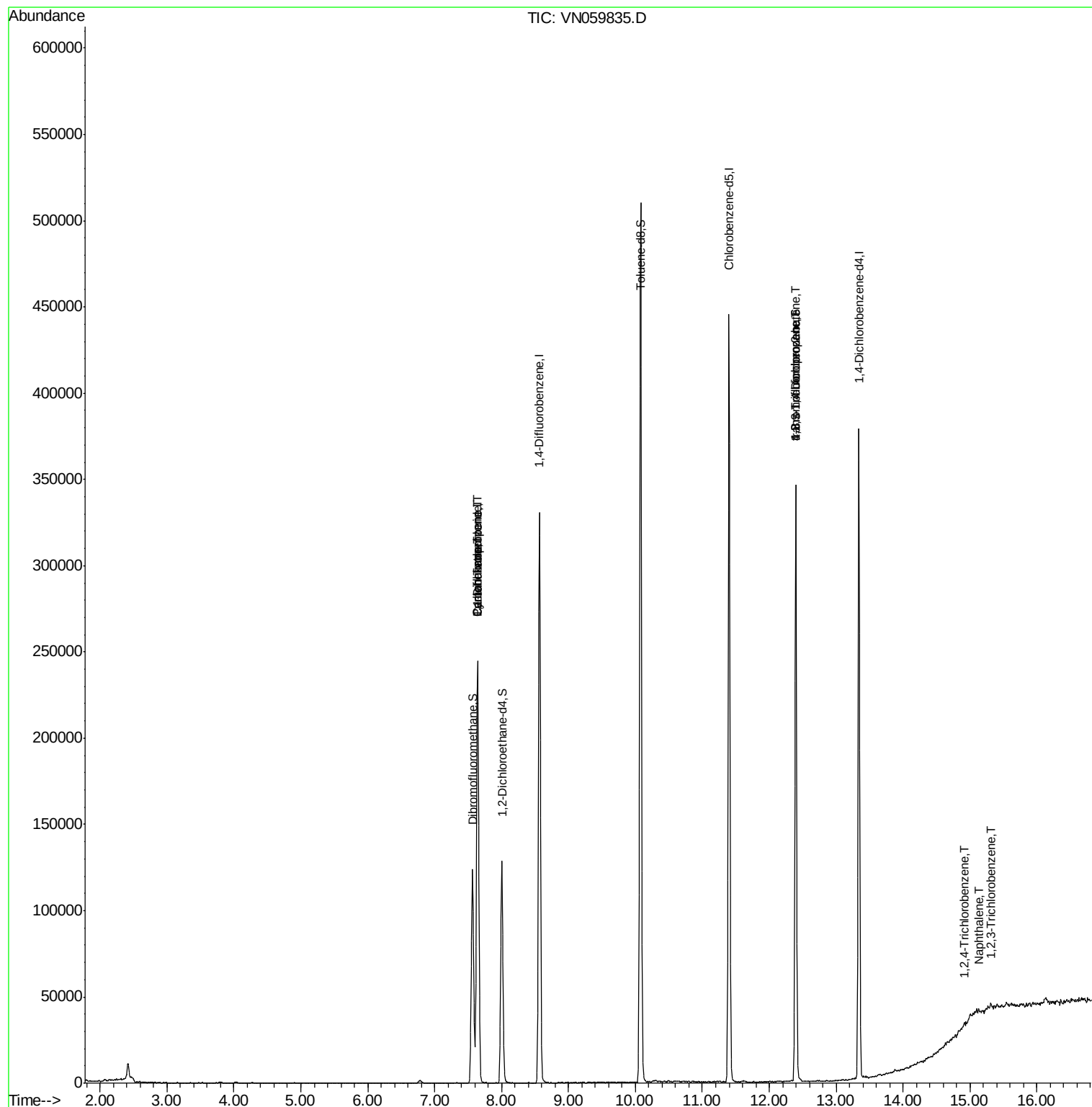
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	990	Below Cal	#	45
31) Cyclohexane	7.64	56	3730	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14293	5.244	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19122	6.449	ug/l #	17
76) 1,2,3-Trichloropropane	12.40	75	58003	33.109	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	58003	71.102	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	61	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	612	0.307	ug/l #	84
95) Naphthalene	15.13	128	1680	0.296	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	781	0.402	ug/l #	69

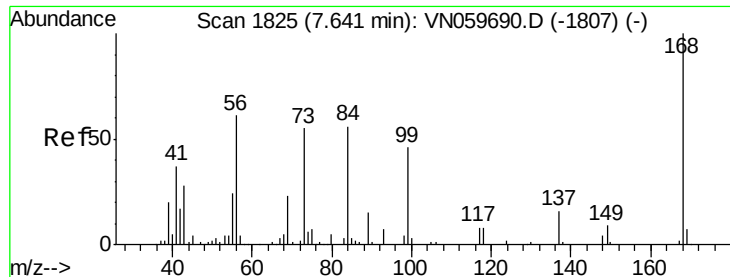
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012420\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 25 00:24:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

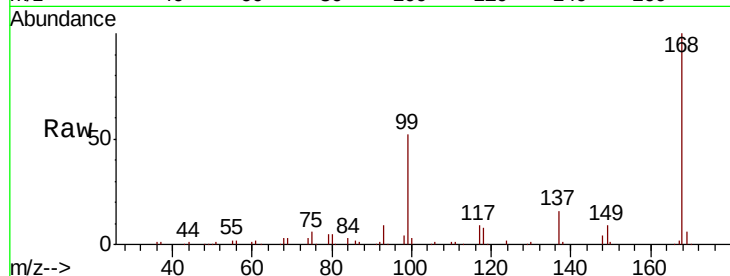
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 209157

Ion Ratio Lower Upper

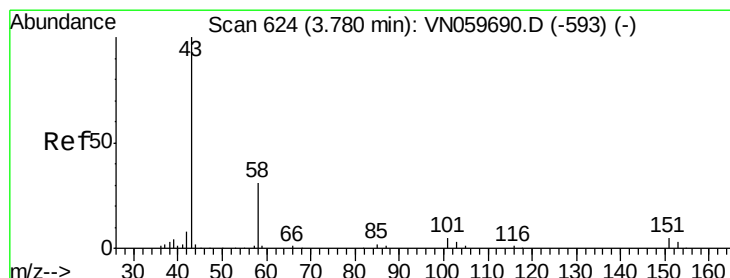
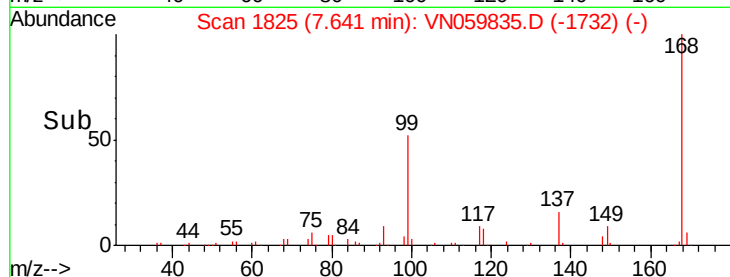
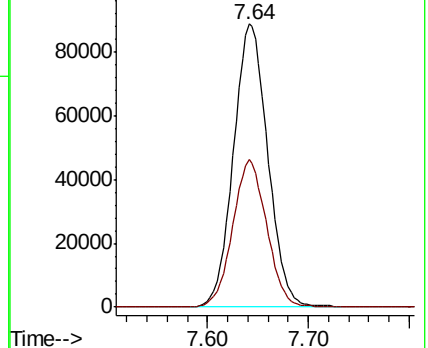
168 100

99 52.0 48.2 72.4



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: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059835.D

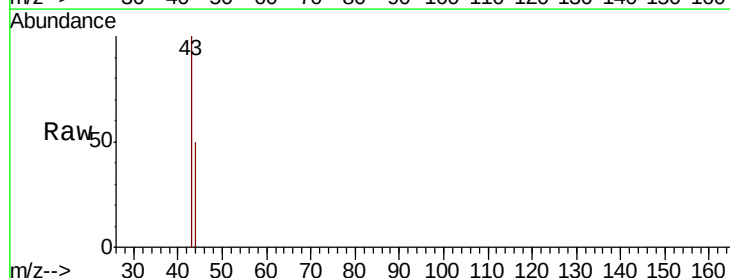
Acq: 24 Jan 2020 10:48

Tgt Ion: 43 Resp: 990

Ion Ratio Lower Upper

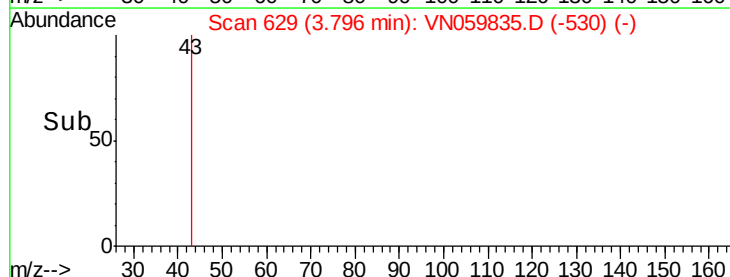
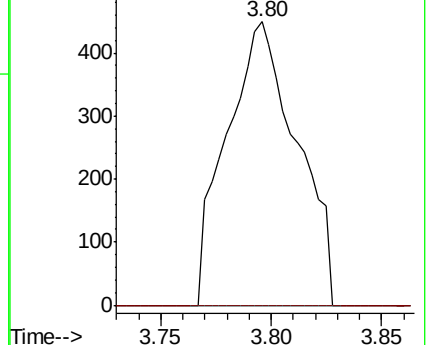
43 100

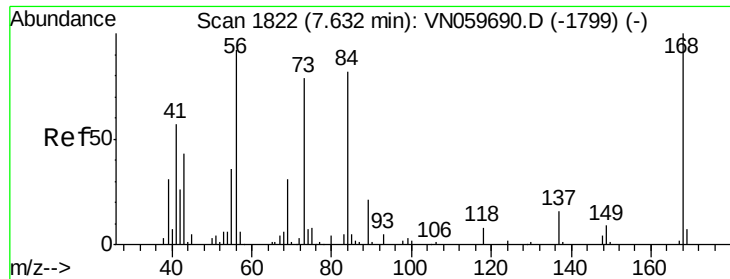
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

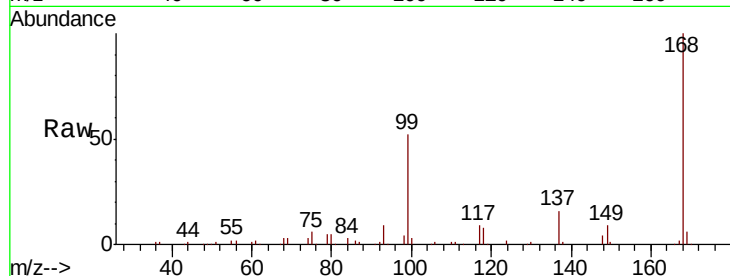




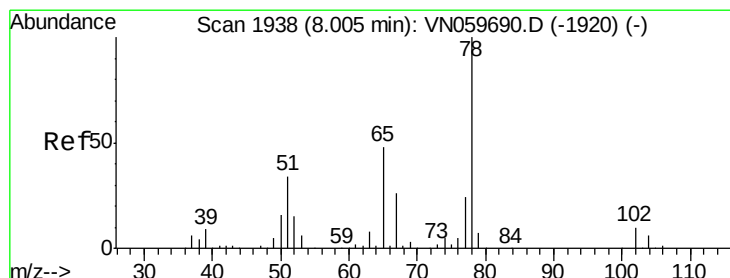
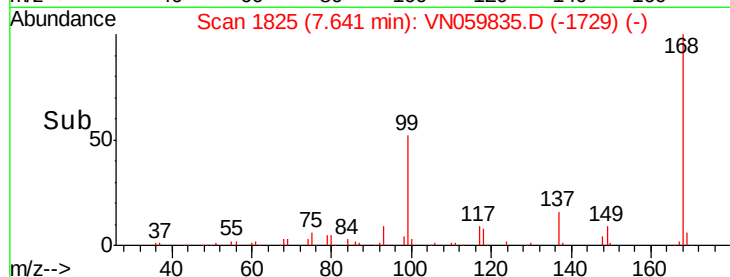
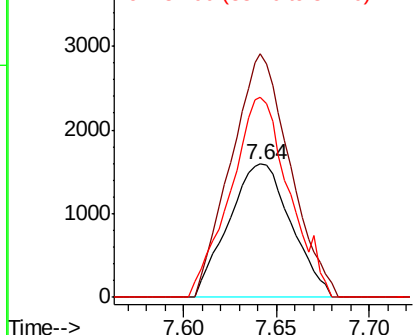
#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059835.D
Acq: 24 Jan 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3730
Ion Ratio Lower Upper
56 100
69 182.4 26.5 39.7#
84 149.8 65.3 97.9#

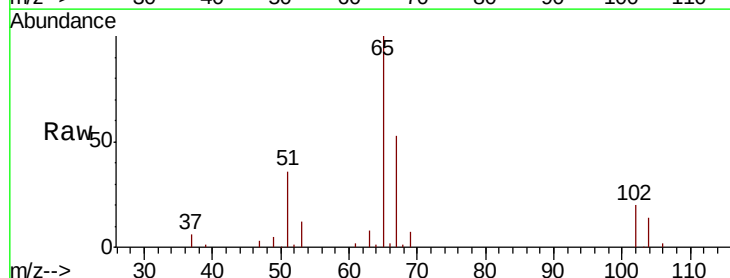


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

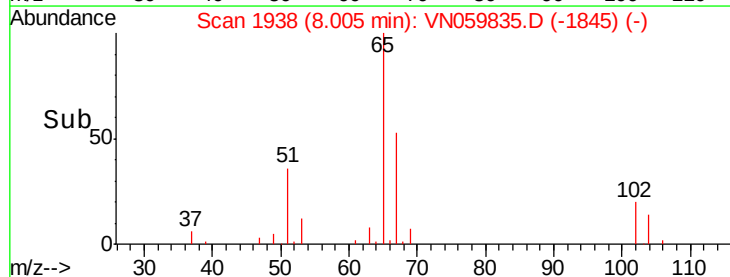
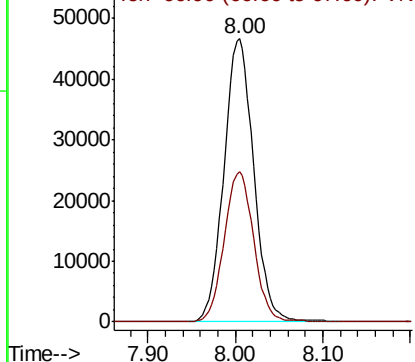


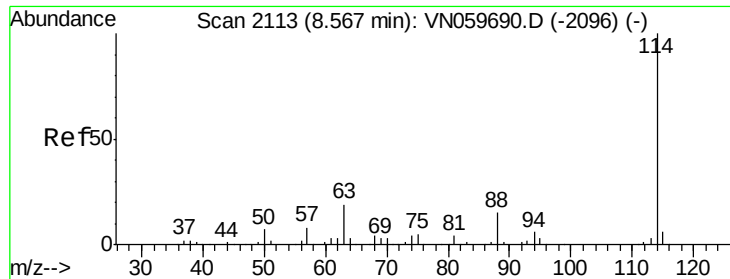
#33
1,2-Dichloroethane-d4
Concen: 47.396 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059835.D
Acq: 24 Jan 2020 10:48

Tgt Ion: 65 Resp: 110089
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

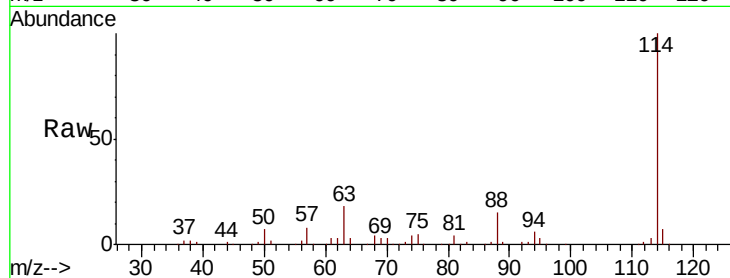




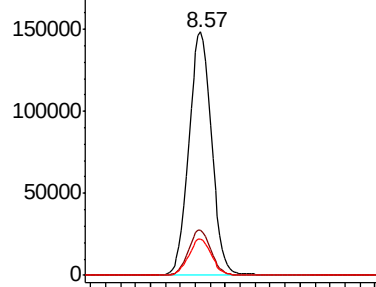
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059835.D
 Acq: 24 Jan 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :

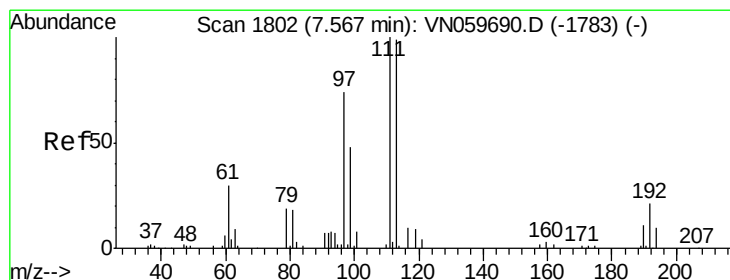
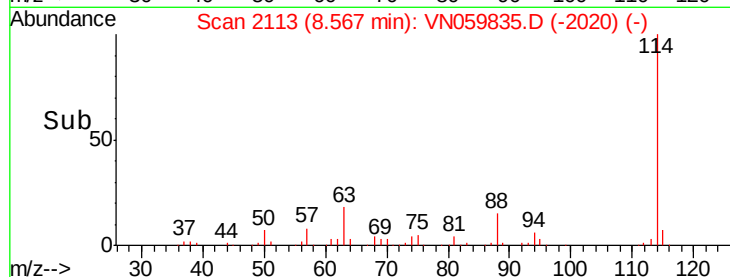
Tot Ion:114 Resp: 313014
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 15.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

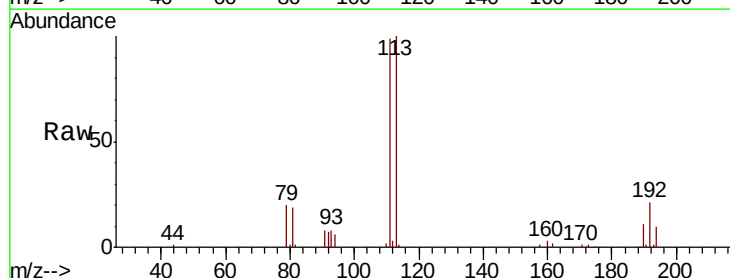


Time-->

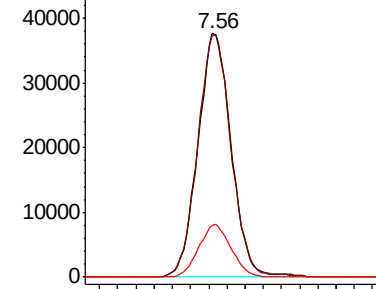


#35
 Dibromofluoromethane
 Concen: 51.110 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059835.D
 Acq: 24 Jan 2020 10:48

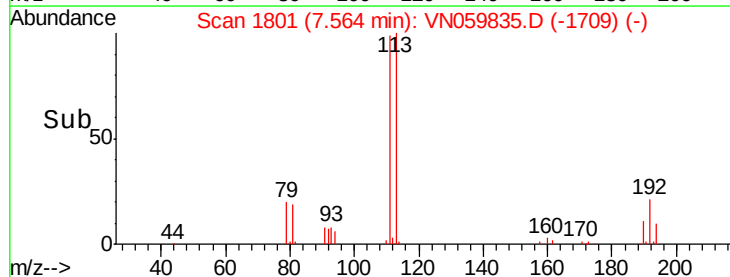
Tgt Ion:113 Resp: 95404
 Ion Ratio Lower Upper
 113 100
 111 99.4 83.5 125.3
 192 20.9 15.4 23.2

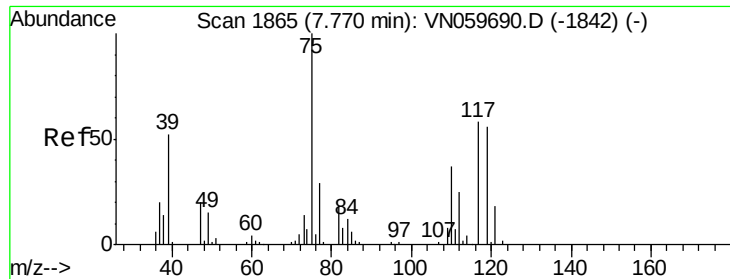


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

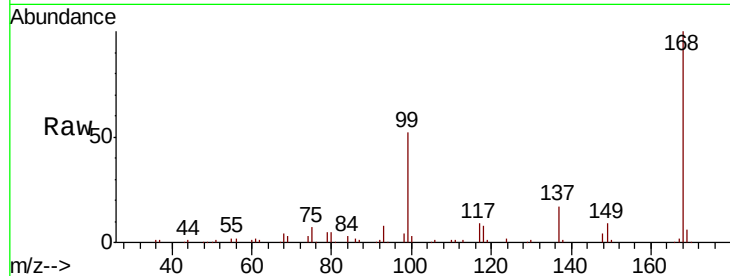




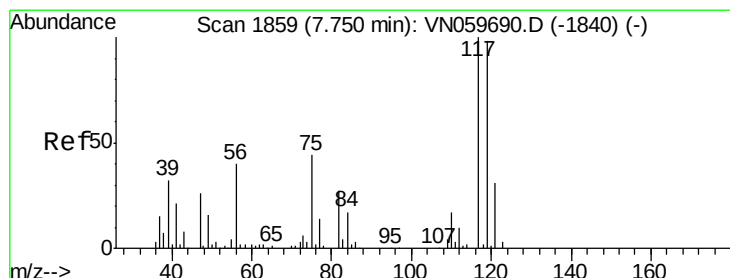
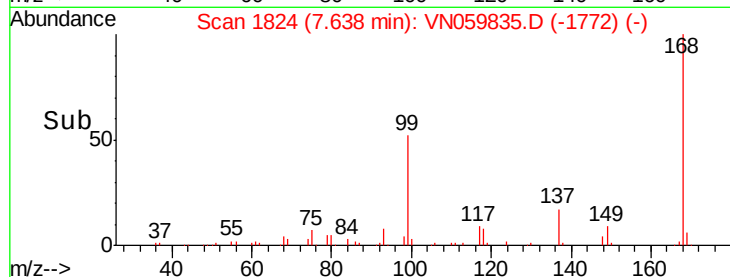
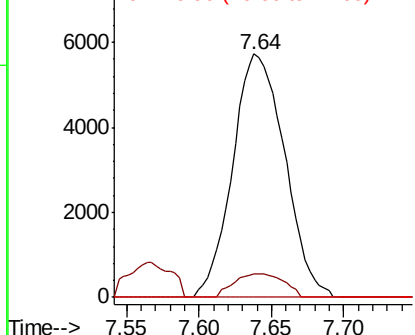
#36
 1,1-Dichloropropene
 Concen: 5.244 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059835.D
 Acq: 24 Jan 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	14293
Ion Ratio	Lower	Upper	
75	100		
110	9.2	16.6	49.7#
77	0.0	25.1	37.7#

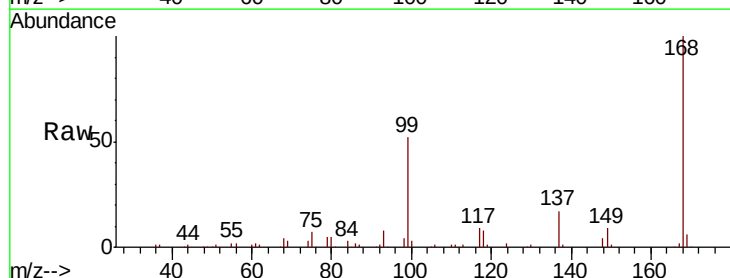


Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-1842) (-)
 Ion 109.90 (109.60 to 110.60): VN059690.D (-1842) (-)
 Ion 76.90 (76.60 to 77.60): VN059690.D (-1842) (-)

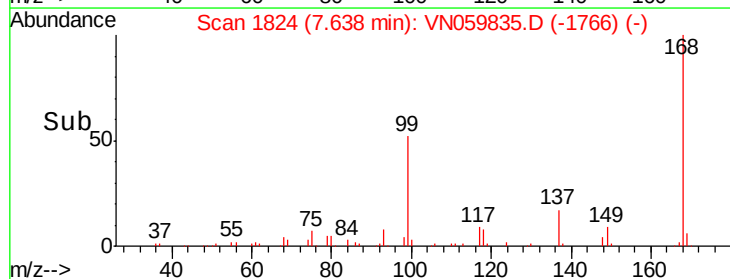
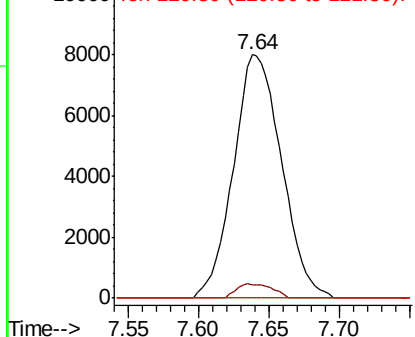


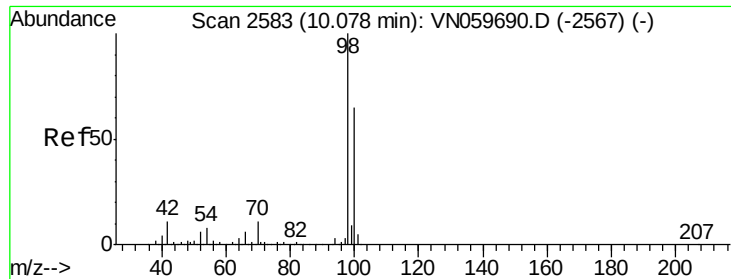
#38
 Carbon Tetrachloride
 Concen: 6.449 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059835.D
 Acq: 24 Jan 2020 10:48

Tgt Ion	117	Resp	19122
Ion Ratio	Lower	Upper	
117	100		
119	5.7	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-1840) (-)
 Ion 118.80 (118.50 to 119.50): VN059690.D (-1840) (-)
 Ion 120.80 (120.50 to 121.50): VN059690.D (-1840) (-)





#50

Toluene-d8

Concen: 50.221 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

Instrument :

MSVOA_N

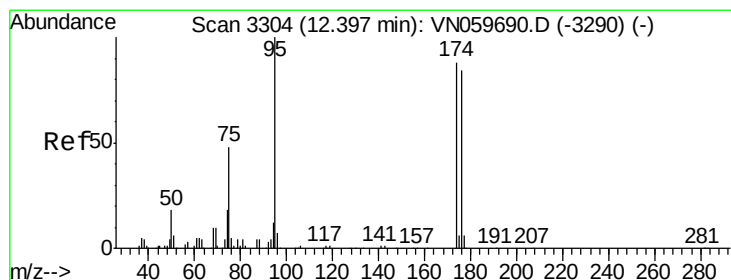
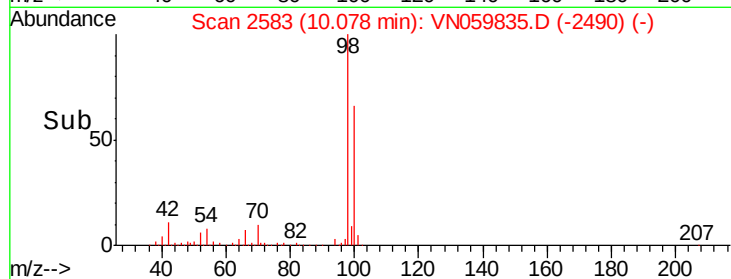
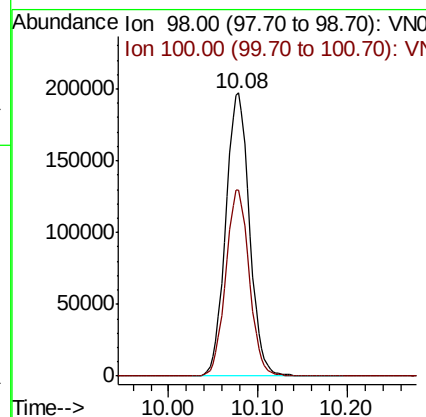
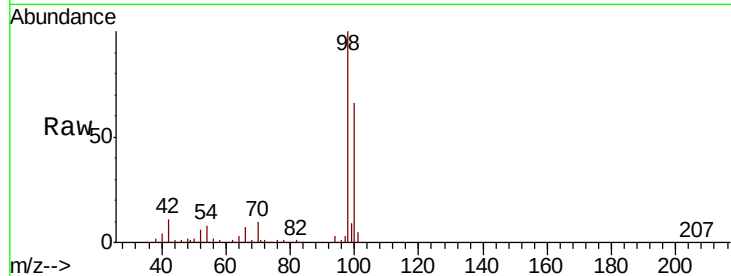
ClientSampleId :

Tot Ion: 98 Resp: 363212

Ion Ratio Lower Upper

98 100

100 65.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.566 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

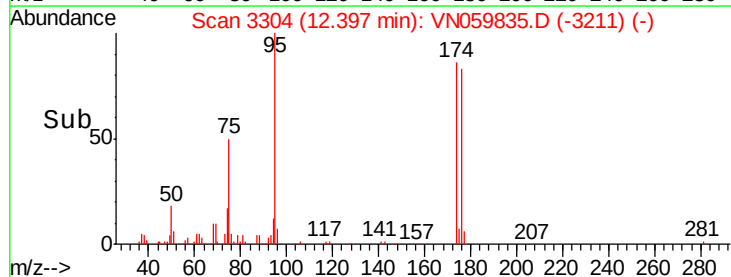
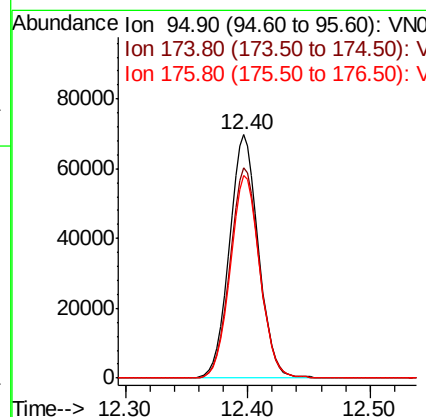
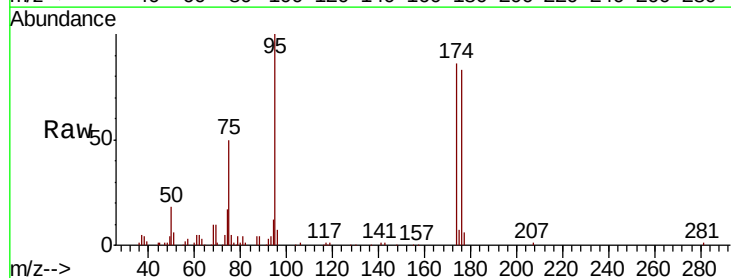
Tgt Ion: 95 Resp: 116194

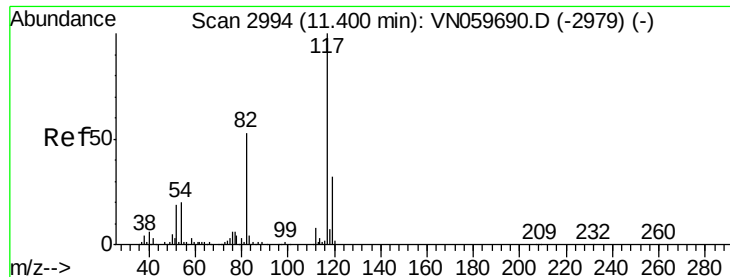
Ion Ratio Lower Upper

95 100

174 87.9 0.0 151.4

176 84.6 0.0 146.0

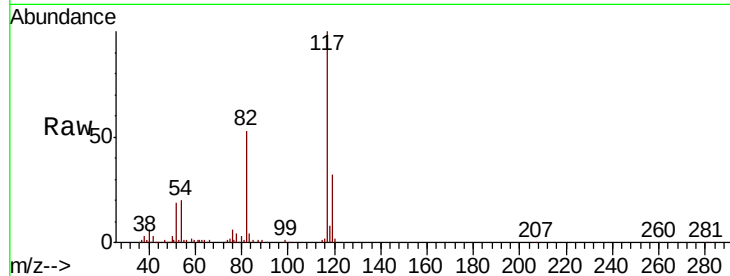




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059835.D
Acq: 24 Jan 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.9	68.9
119	32.0	25.5	38.3

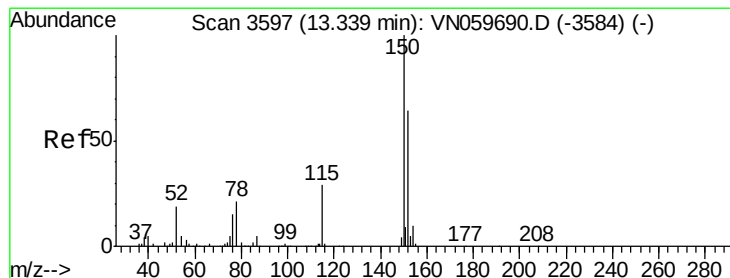
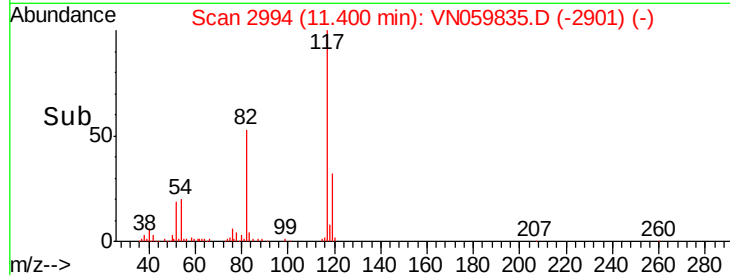
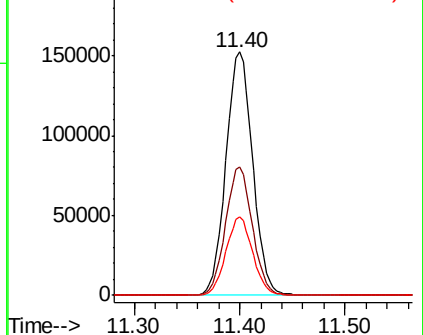


Abundance

Ion 116.90 (116.60 to 117.60): V

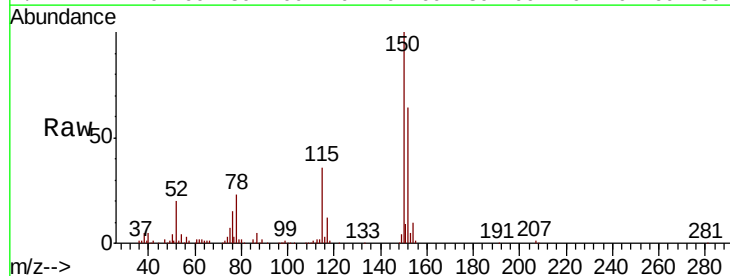
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059835.D
Acq: 24 Jan 2020 10:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	30.3	90.9
150	156.2	0.0	345.2

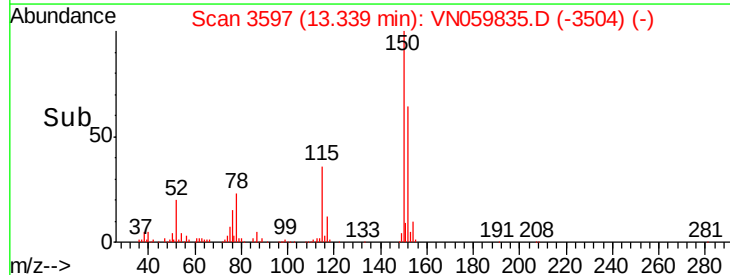
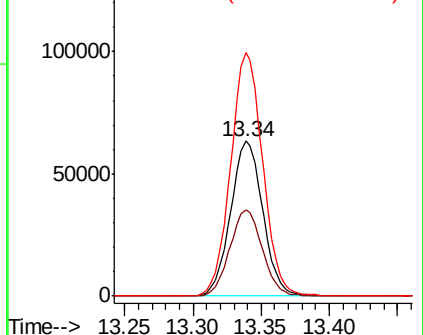


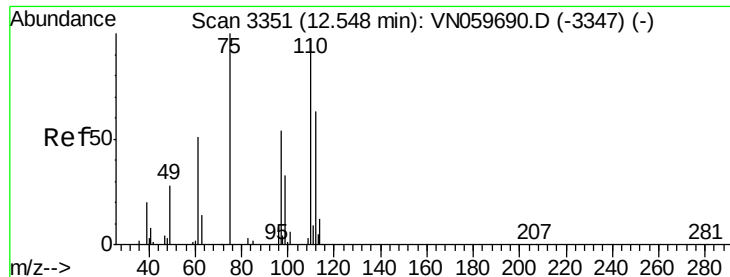
Abundance

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: 33.109 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

Instrument :

MSVOA_N

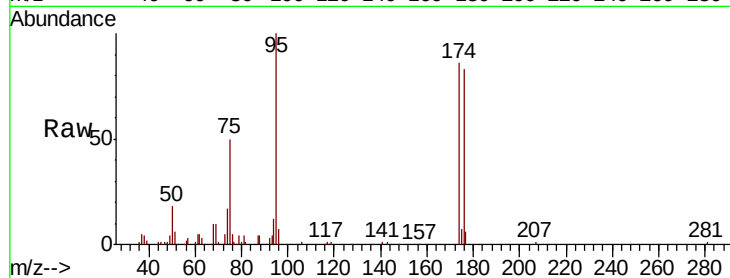
ClientSampleId :

Tot Ion: 75 Resp: 58003

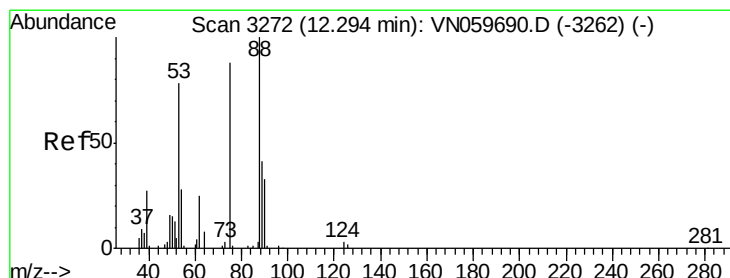
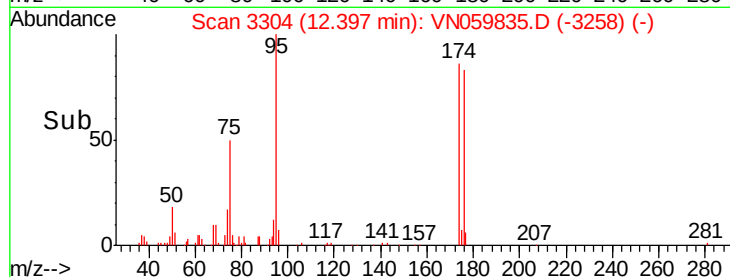
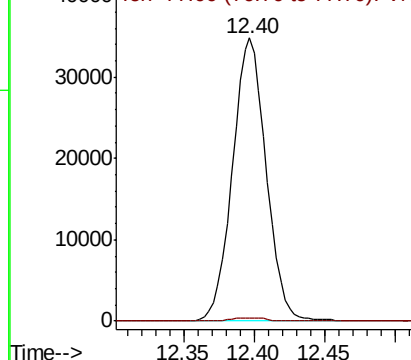
Ion Ratio Lower Upper

75 100

77 1.0 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: 71.102 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

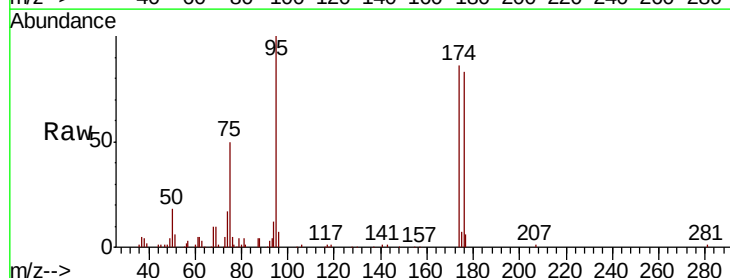
Tgt Ion: 75 Resp: 58003

Ion Ratio Lower Upper

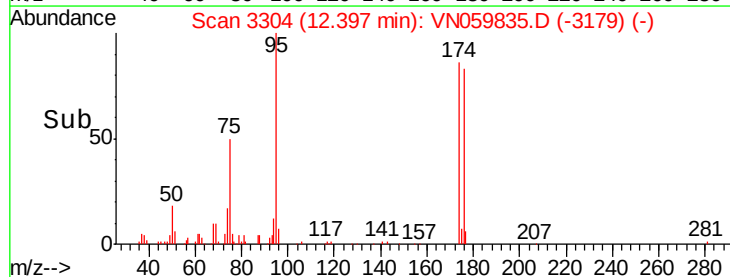
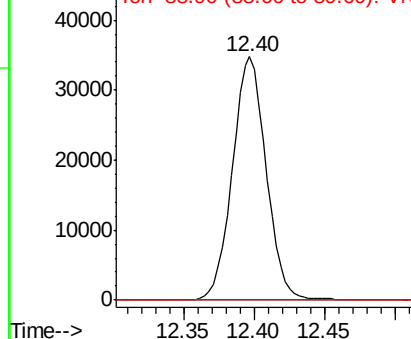
75 100

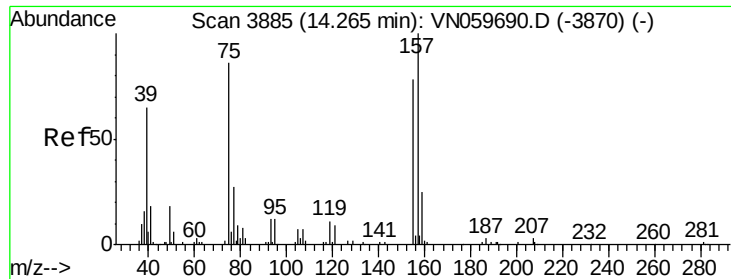
53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



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





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

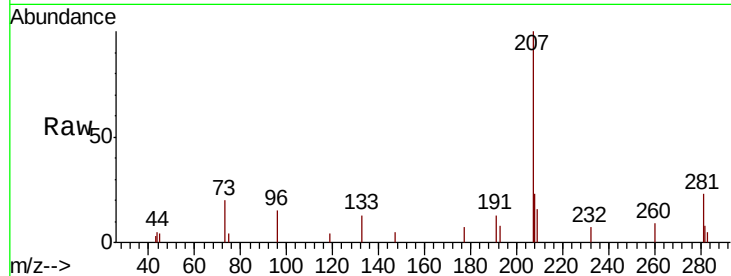
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.26

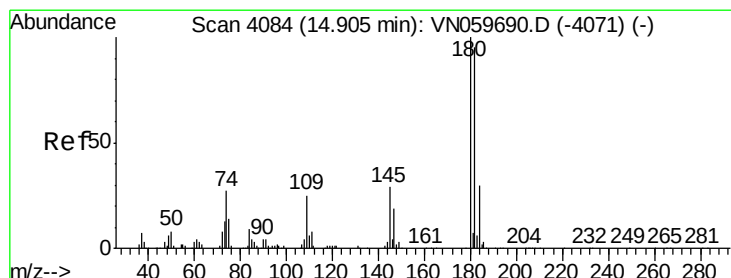
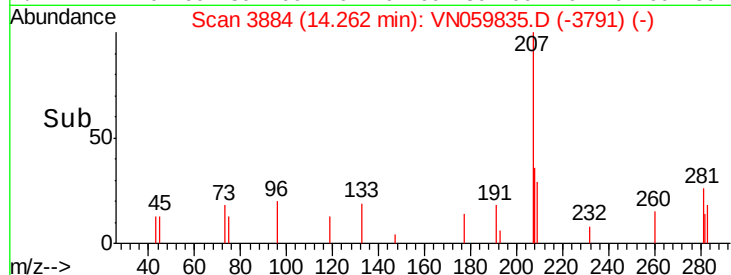
150

100

50

0

14.25 14.26 14.27



#93

1,2,4-Trichlorobenzene

Concen: 0.307 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

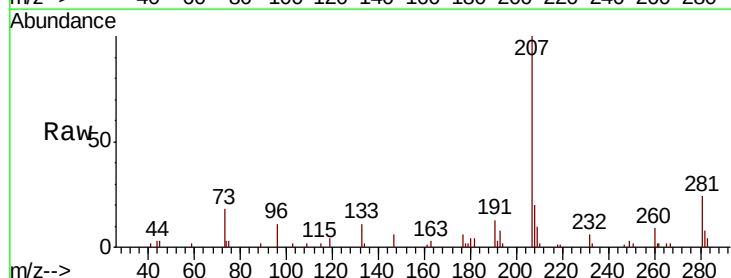
Tgt Ion:180 Resp: 612

Ion Ratio Lower Upper

180 100

182 100.0 46.9 140.7

145 5.1 15.0 45.1#



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

600

500

400

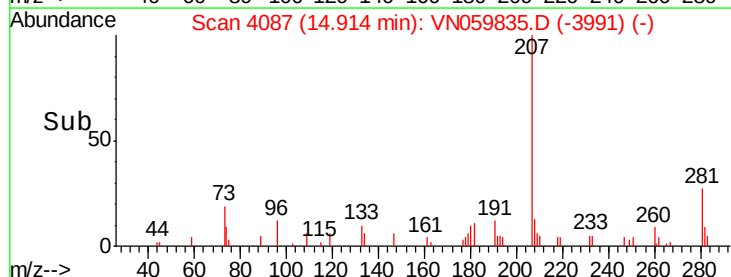
300

200

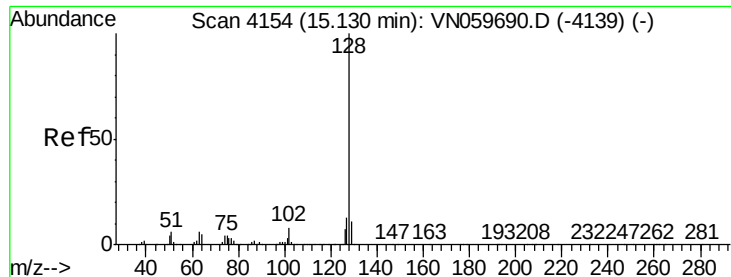
100

0

14.90



Time-->



#95

Naphthalene

Concen: 0.296 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

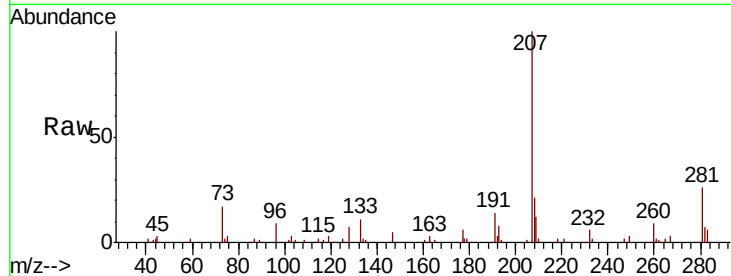
Tot Ion:128 Resp: 1680

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

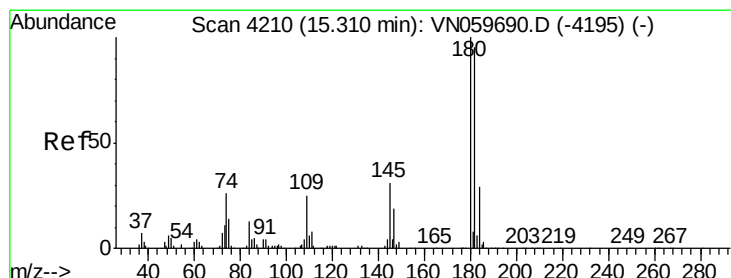
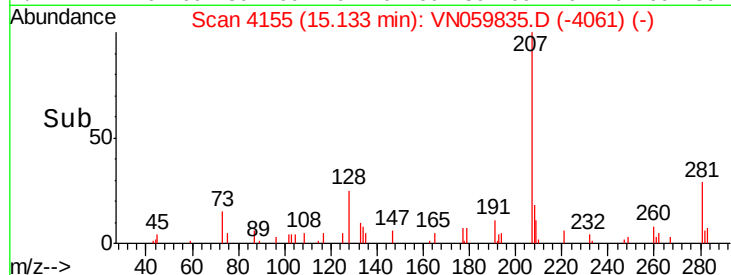
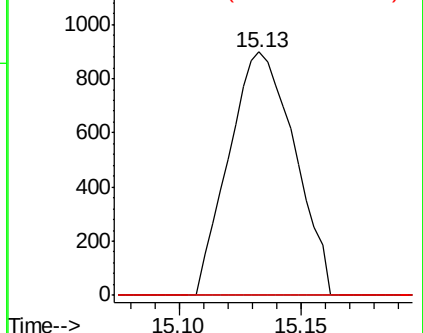
129 0.0 8.6 12.8#



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: 0.402 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059835.D

Acq: 24 Jan 2020 10:48

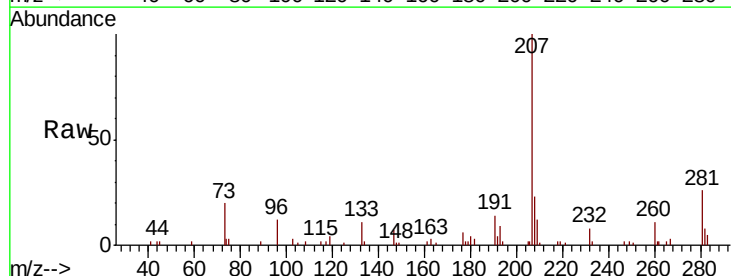
Tgt Ion:180 Resp: 781

Ion Ratio Lower Upper

180 100

182 66.8 47.4 142.3

145 12.7 16.3 48.9#



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

