

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059834.D
 Acq On : 24 Jan 2020 10:25
 Operator : JC/MD
 Sample : VN0124MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 25 00:24:36 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	194179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	287565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	95272	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	100370	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
35) Dibromofluoromethane	7.56	113	86801	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.08	98	336874	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	106583	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	

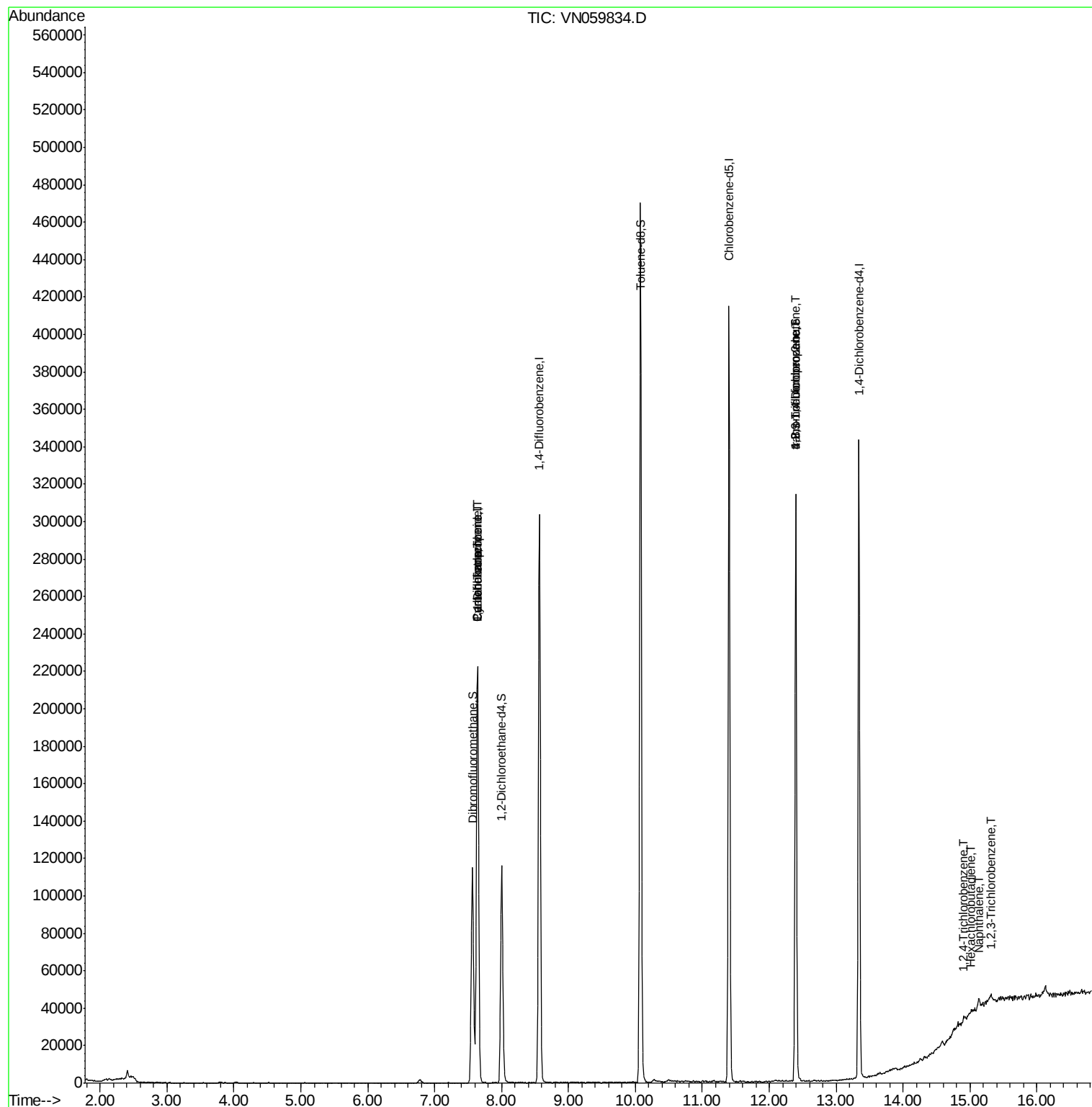
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1173	Below Cal	#	45
31) Cyclohexane	7.64	56	3656	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12933	5.164	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17439	6.402	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	52662	32.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	52662	70.536	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.25	75	63	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1042	0.571	ug/l	88
94) Hexachlorobutadiene	15.00	225	421	0.418	ug/l #	76
95) Naphthalene	15.13	128	4305	0.829	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1915	1.078	ug/l	86

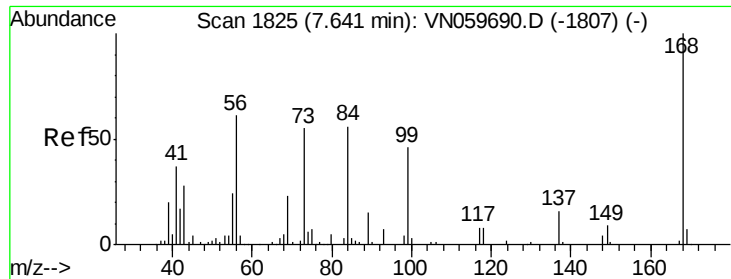
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN012420\
Data File : VN059834.D
Acq On : 24 Jan 2020 10:25
Operator : JC/MD
Sample : VN0124MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 25 00:24:36 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: VN059834.D

Acq: 24 Jan 2020 10:25

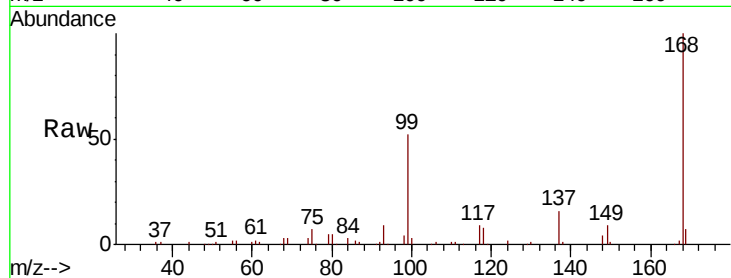
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 194179

Ion Ratio Lower Upper

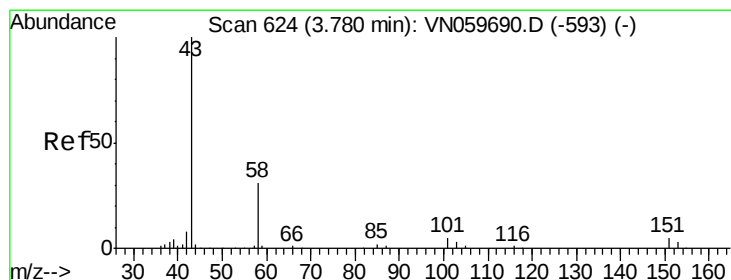
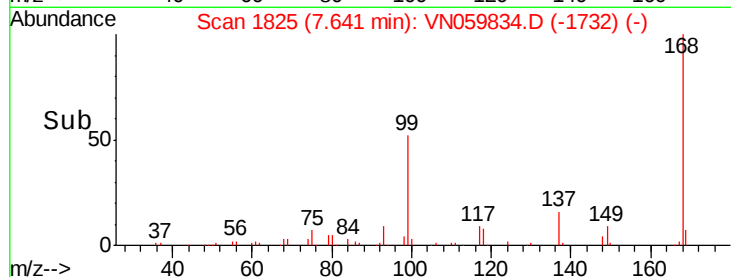
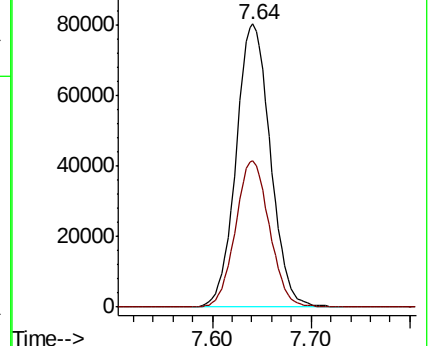
168 100

99 51.5 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: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059834.D

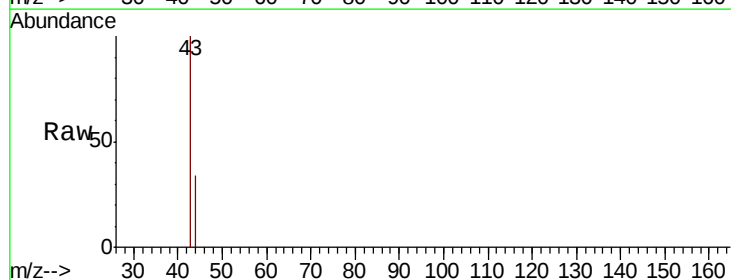
Acq: 24 Jan 2020 10:25

Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

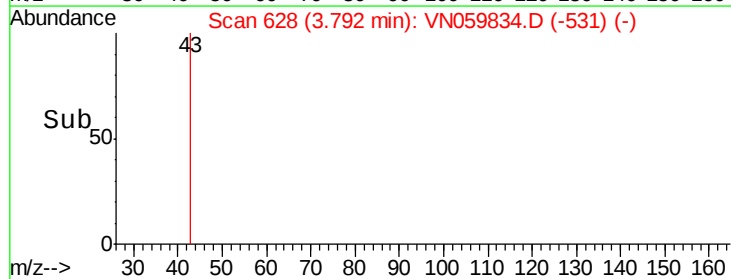
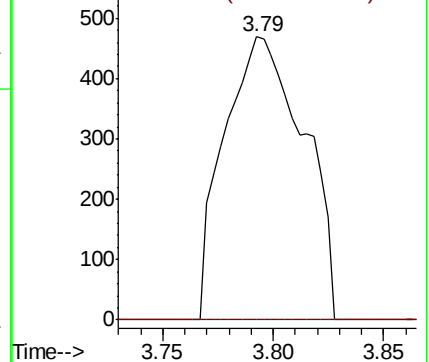
43 100

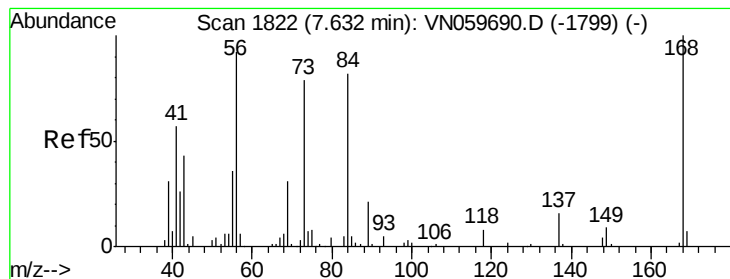
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059834.D

Acq: 24 Jan 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

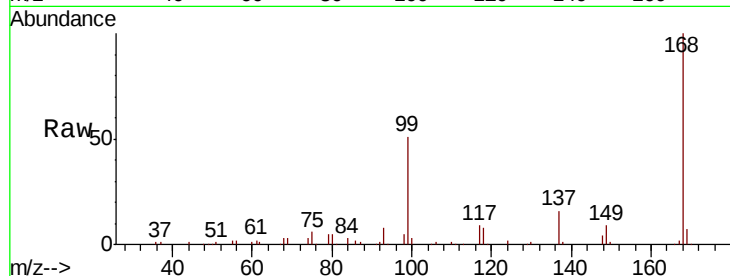
Tot Ion: 56 Resp: 3656

Ion Ratio Lower Upper

56 100

69 149.2 26.5 39.7#

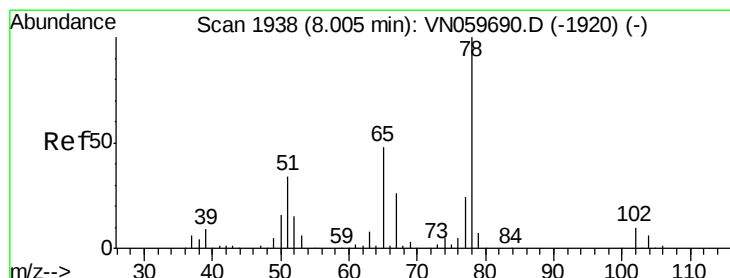
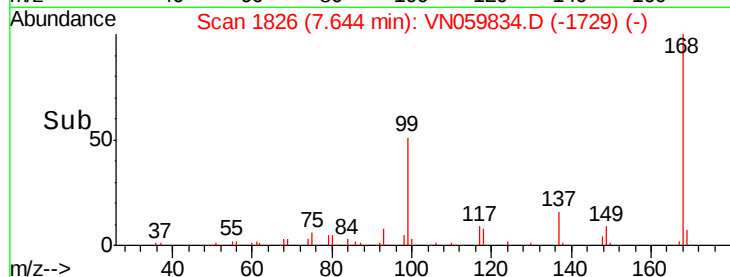
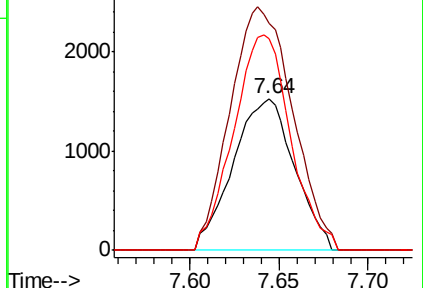
84 139.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059834.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059834.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059834.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.545 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059834.D

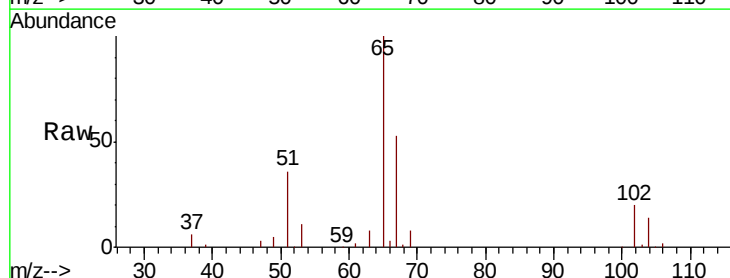
Acq: 24 Jan 2020 10:25

Tgt Ion: 65 Resp: 100370

Ion Ratio Lower Upper

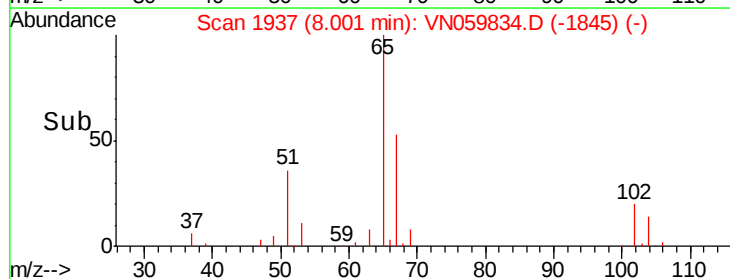
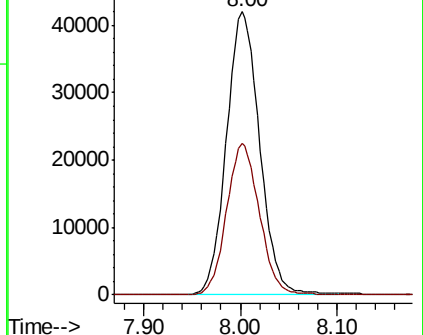
65 100

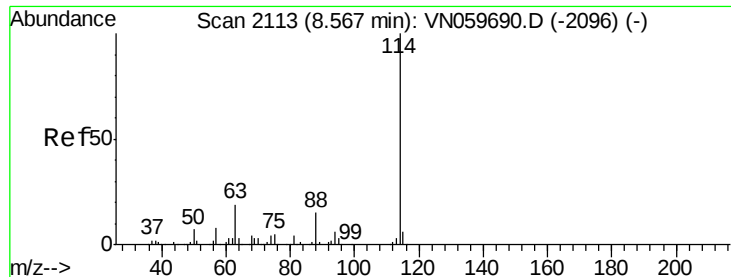
67 52.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059834.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059834.D (-1845) (-)

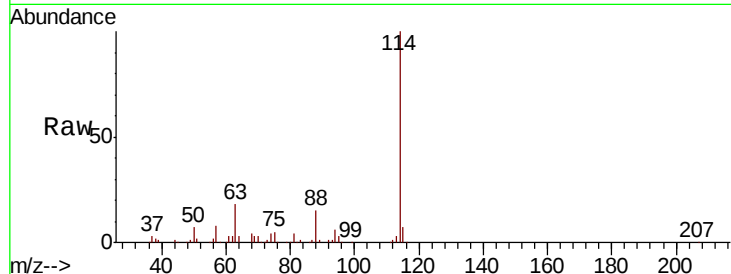




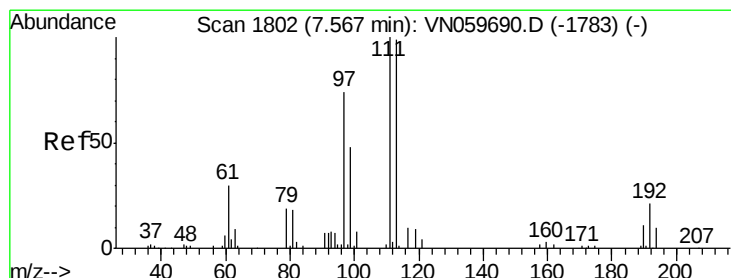
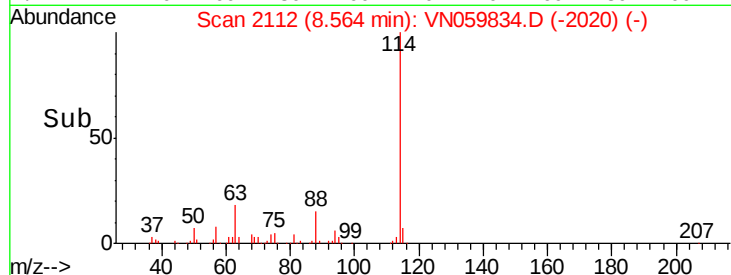
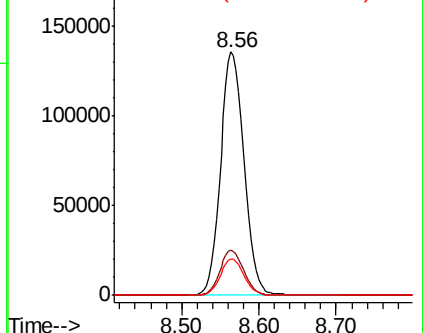
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	43.6
88	14.9	0.0	31.4

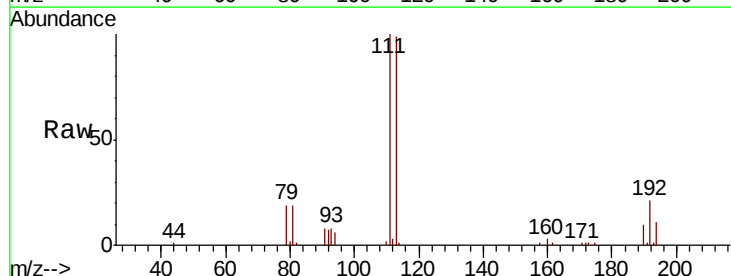


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

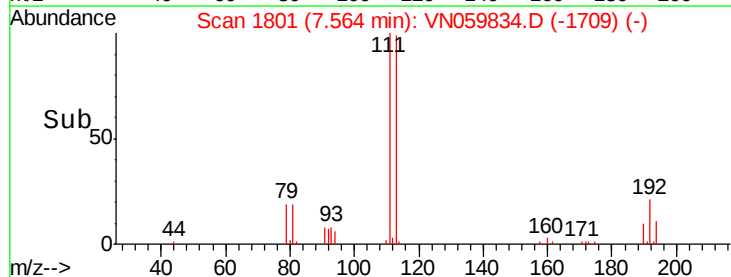
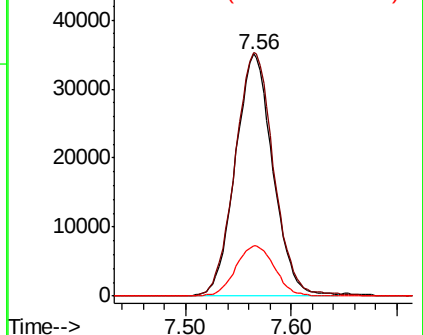


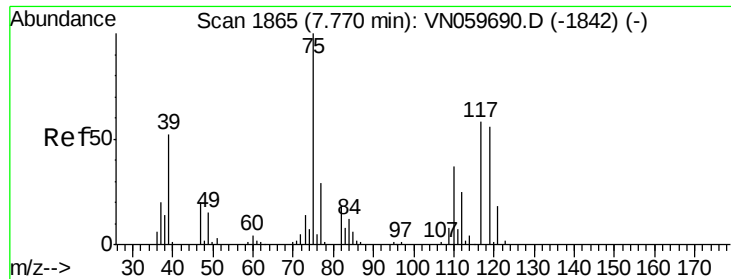
#35
 Dibromofluoromethane
 Concen: 50.616 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.5	125.3
192	21.3	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

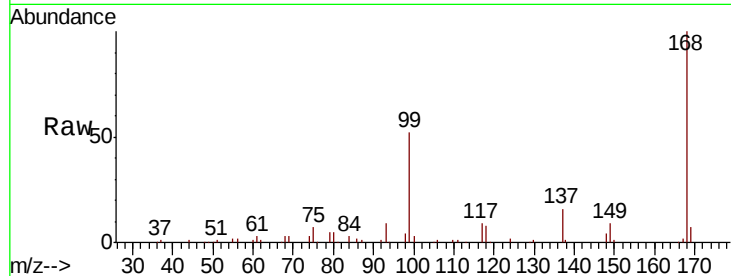




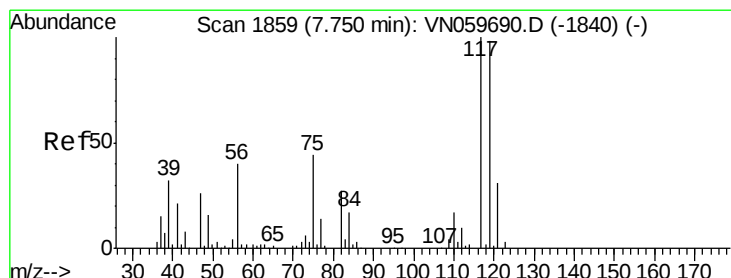
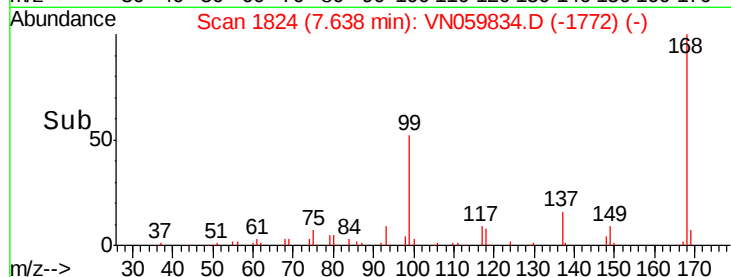
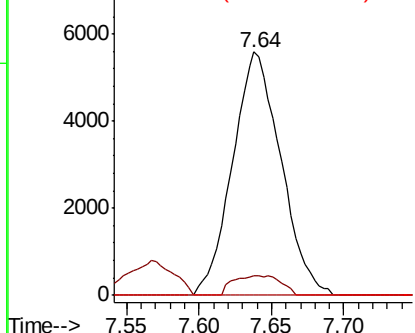
#36
 1,1-Dichloropropene
 Concen: 5.164 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.6	49.7#
77	0.0	25.1	37.7#

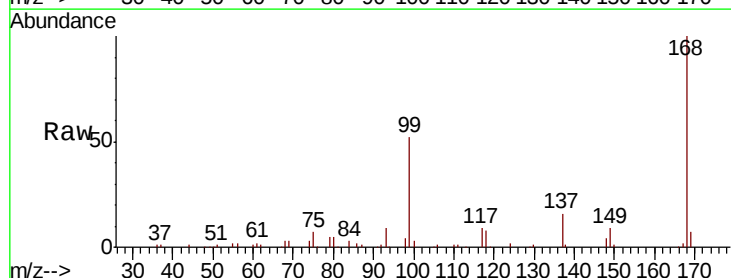


Abundance Ion 74.90 (74.60 to 75.60): VN059834.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059834.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059834.D (-1772) (-)

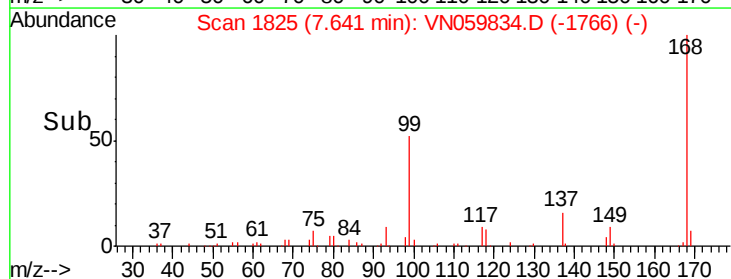
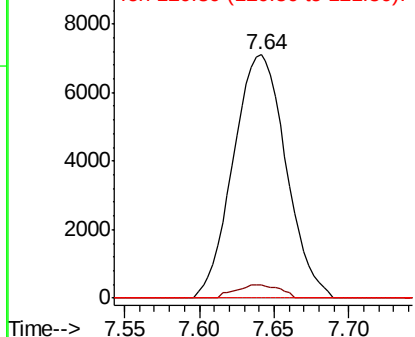


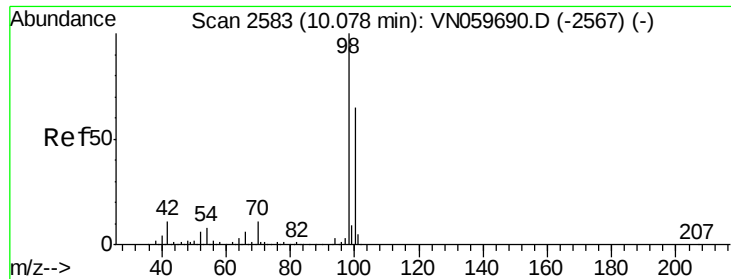
#38
 Carbon Tetrachloride
 Concen: 6.402 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059834.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059834.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059834.D (-1766) (-)





#50

Toluene-d8

Concen: 50.701 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059834.D

Acq: 24 Jan 2020 10:25

Instrument :

MSVOA_N

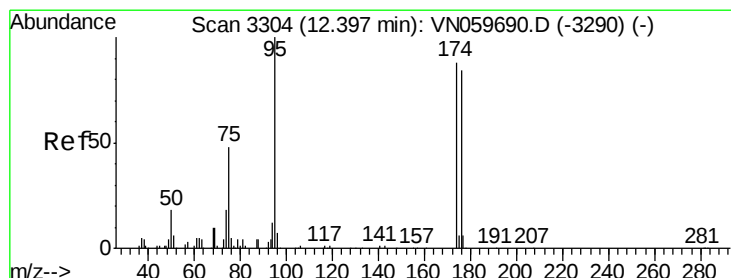
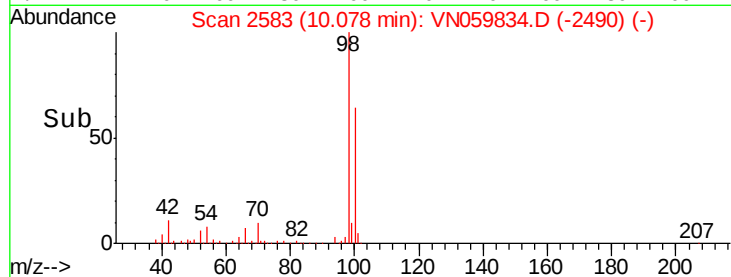
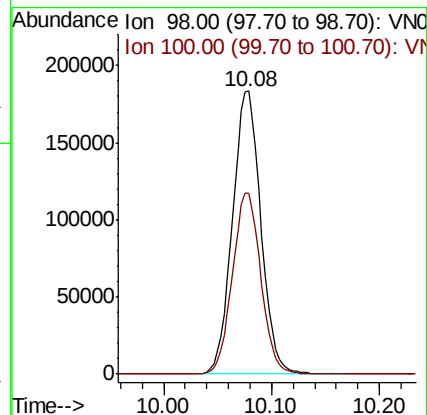
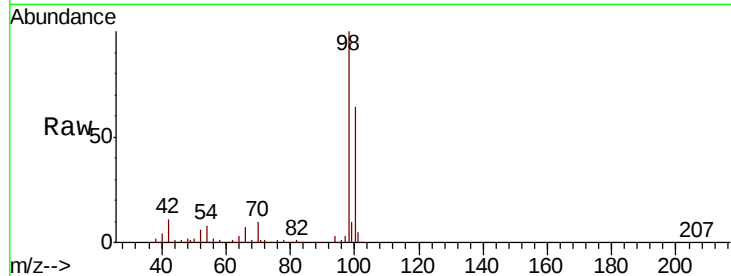
ClientSampleId :

Tot Ion: 98 Resp: 336874

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.497 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059834.D

Acq: 24 Jan 2020 10:25

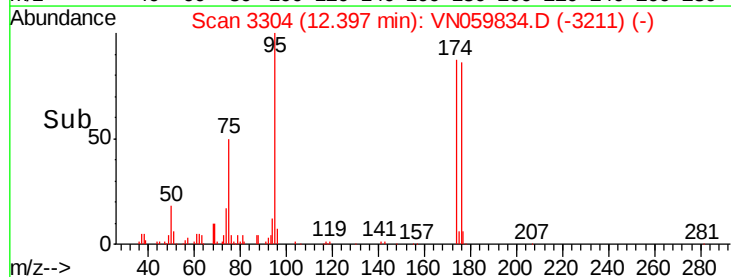
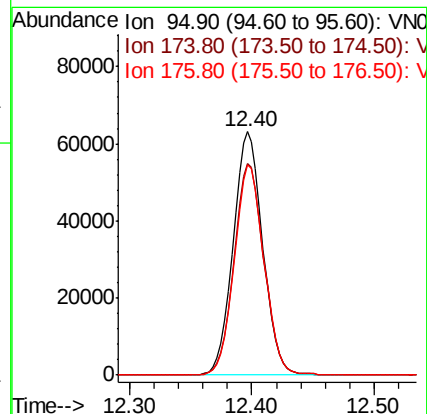
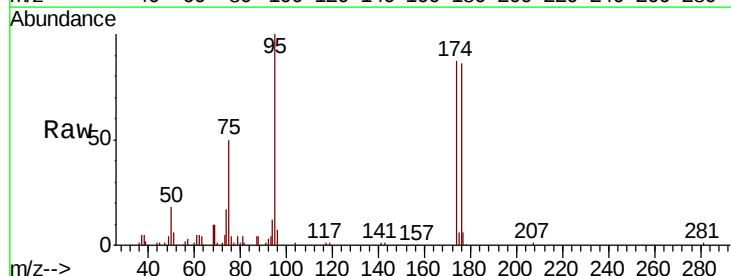
Tgt Ion: 95 Resp: 106583

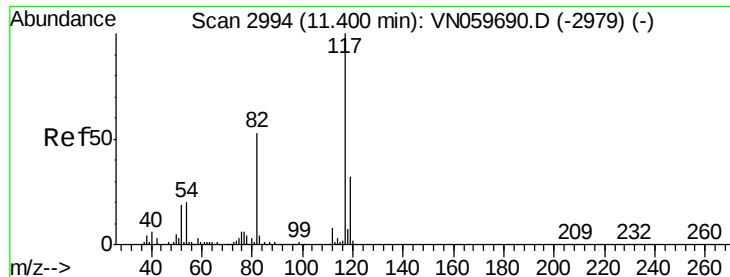
Ion Ratio Lower Upper

95 100

174 87.6 0.0 151.4

176 86.6 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: VN059834.D

Acq: 24 Jan 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

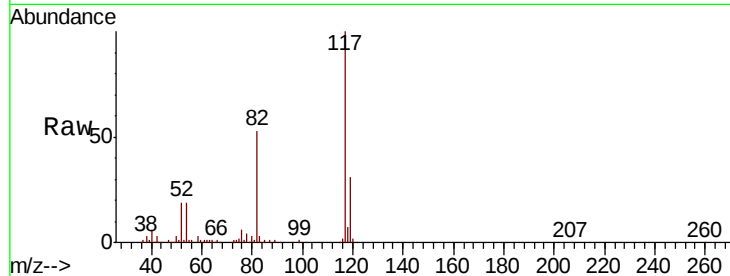
Tot Ion:117 Resp: 245648

Ion Ratio Lower Upper

117 100

82 52.8 45.9 68.9

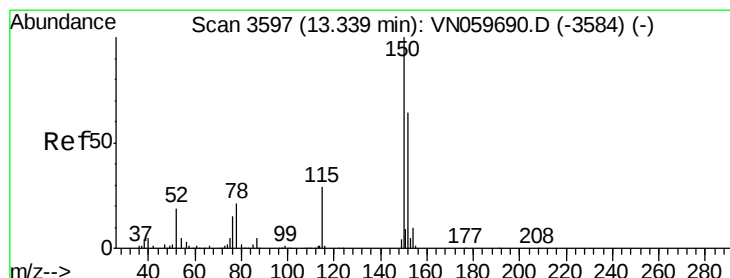
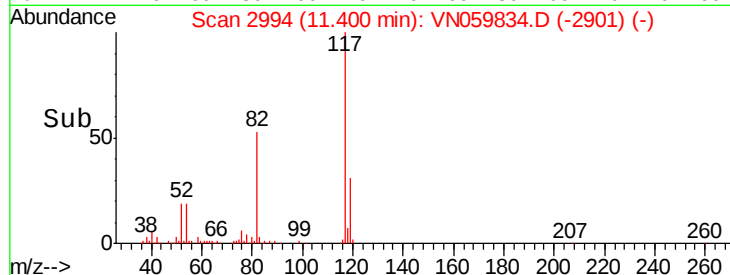
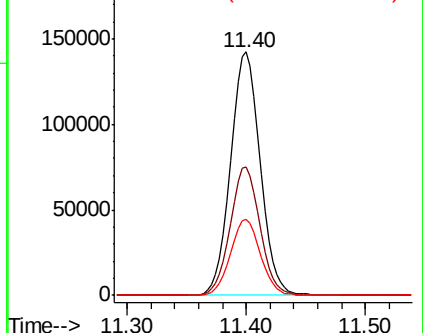
119 31.4 25.5 38.3



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: VN059834.D

Acq: 24 Jan 2020 10:25

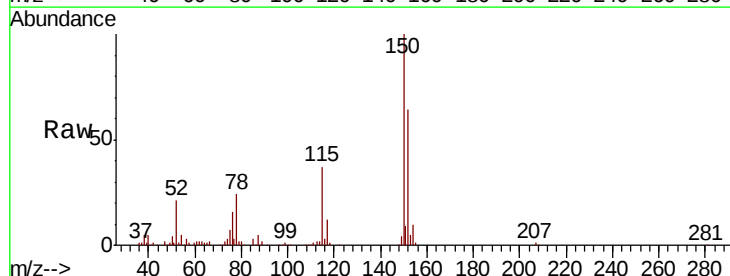
Tgt Ion:152 Resp: 95272

Ion Ratio Lower Upper

152 100

115 57.0 30.3 90.9

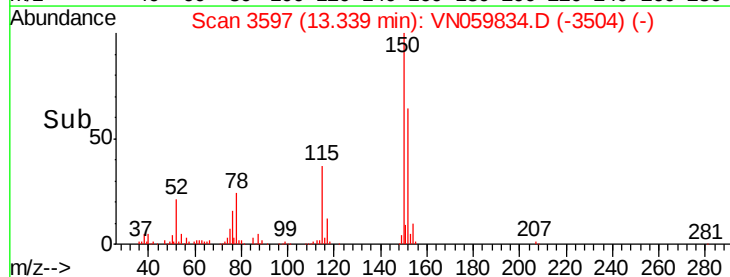
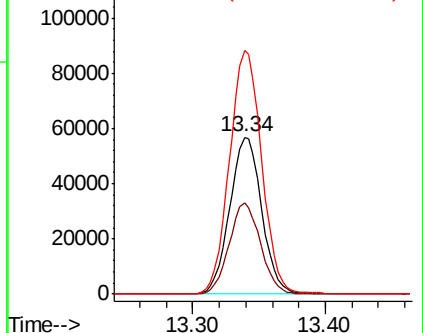
150 156.8 0.0 345.2

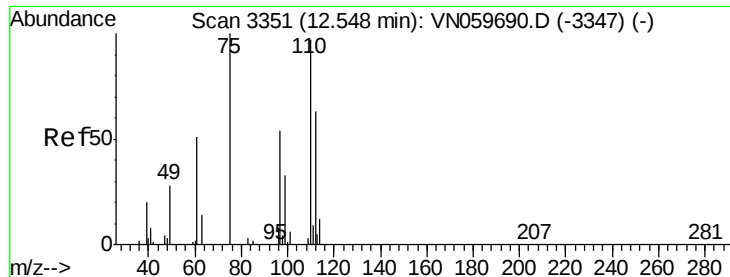


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.845 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059834.D

Acq: 24 Jan 2020 10:25

Instrument :

MSVOA_N

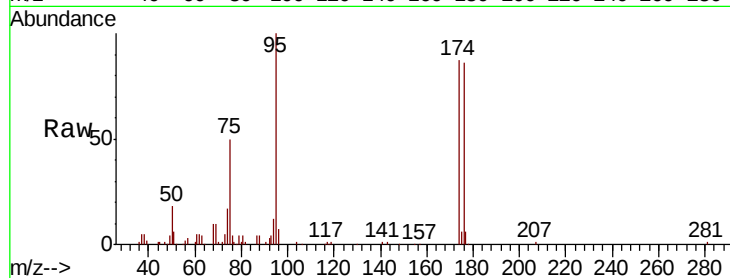
ClientSampleId :

Tot Ion: 75 Resp: 52662

Ion Ratio Lower Upper

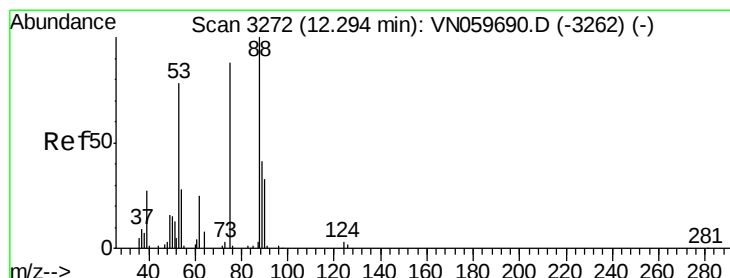
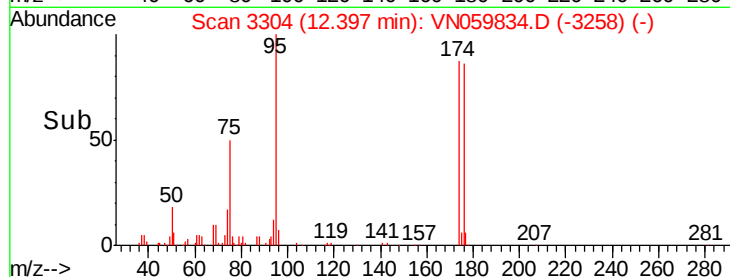
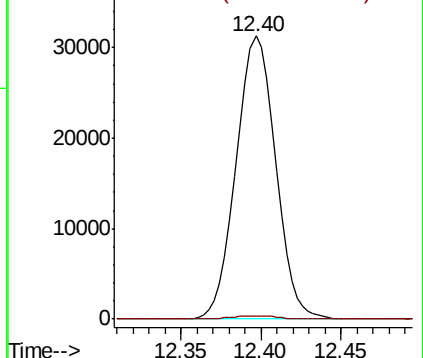
75 100

77 1.3 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: 70.536 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059834.D

Acq: 24 Jan 2020 10:25

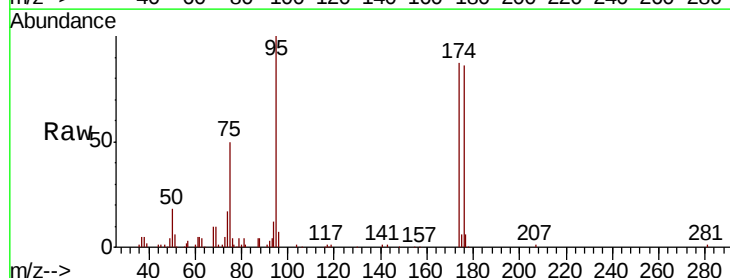
Tgt Ion: 75 Resp: 52662

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

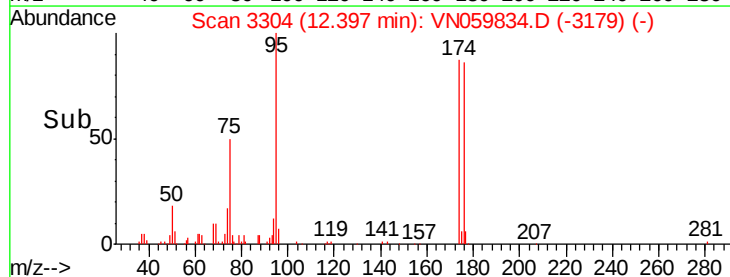
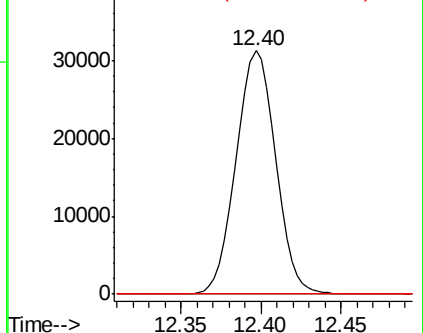
89 0.0 35.4 53.2#

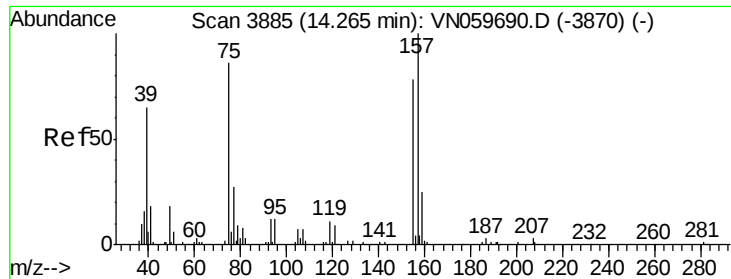


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

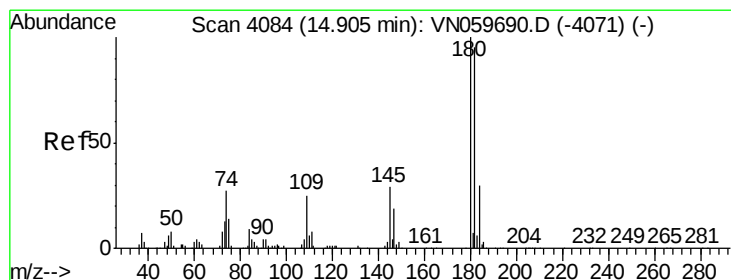
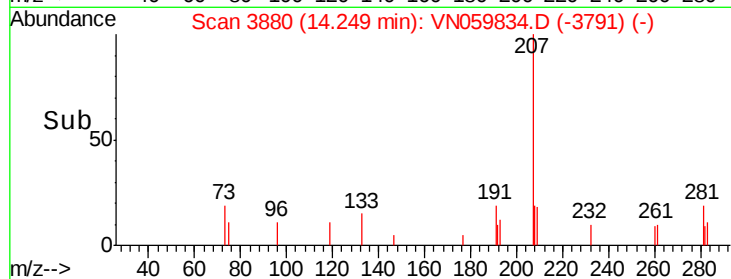
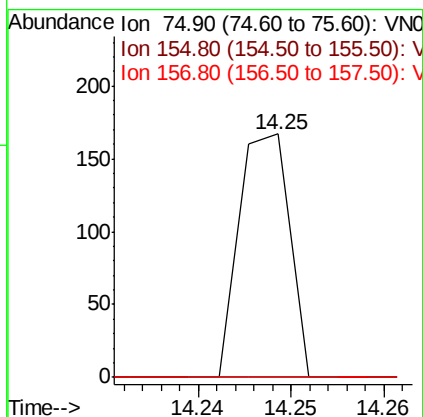
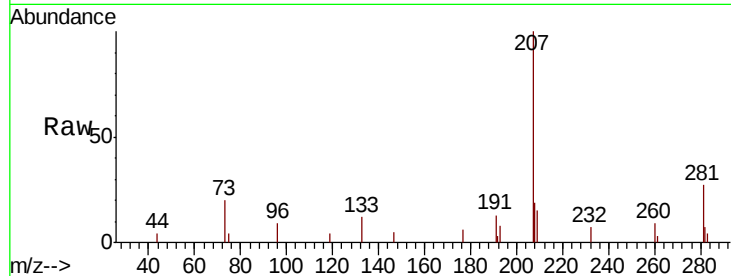




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.25 min Scan# 3880
 Delta R.T. -0.02 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

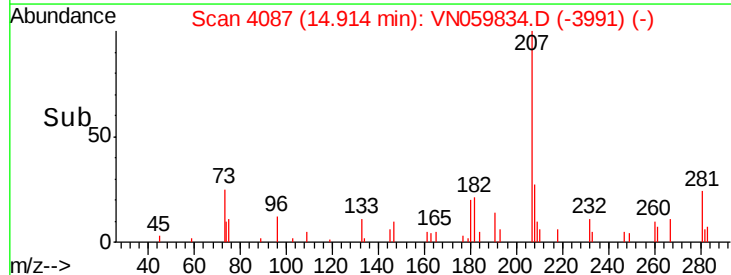
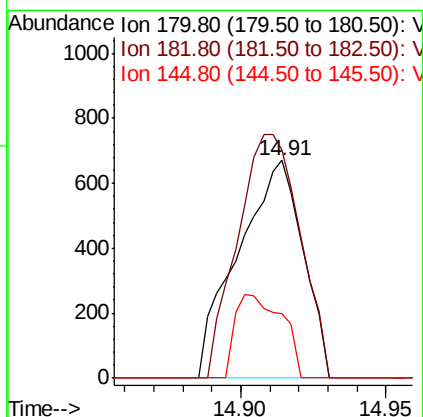
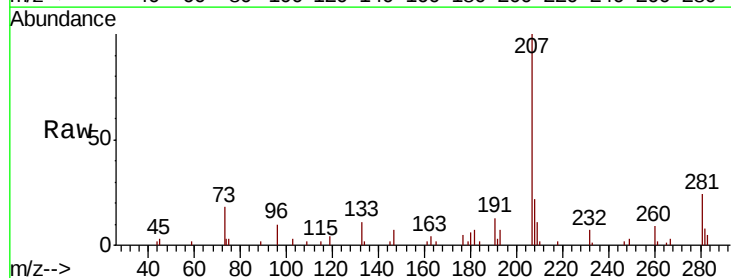
Instrument :
 MSVOA_N
 ClientSampleId :

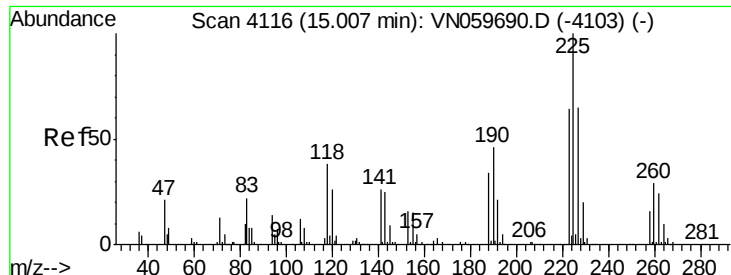
Tot Ion: 75 Resp: 63
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.571 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

Tgt Ion: 180 Resp: 1042
 Ion Ratio Lower Upper
 180 100
 182 107.4 46.9 140.7
 145 27.6 15.0 45.1

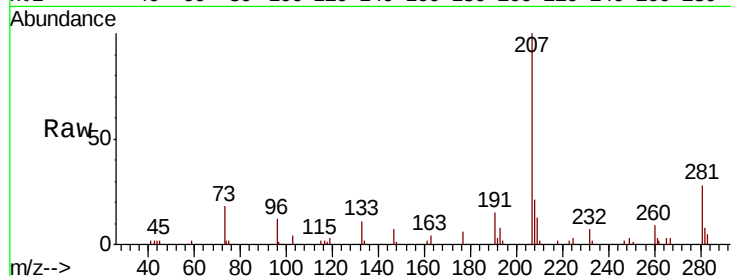




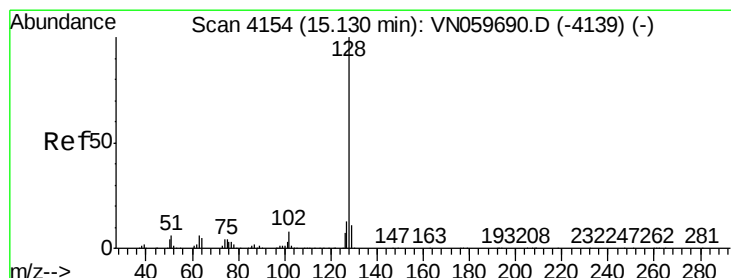
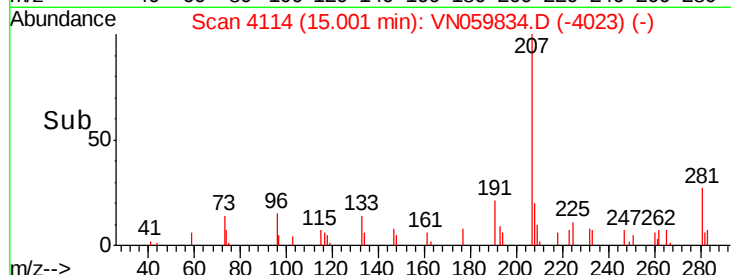
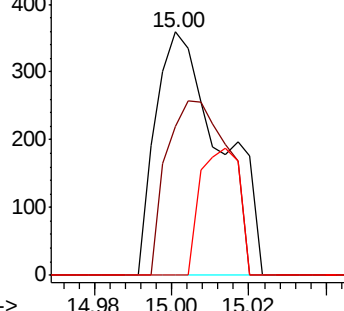
#94
Hexachlorobutadiene
Concen: 0.418 ug/l
RT: 15.00 min Scan# 4114
Delta R.T. -0.01 min
Lab File: VN059834.D
Acq: 24 Jan 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:225 Resp: 421
Ion Ratio Lower Upper
225 100
223 67.9 31.8 95.3
227 31.4 32.1 96.5#

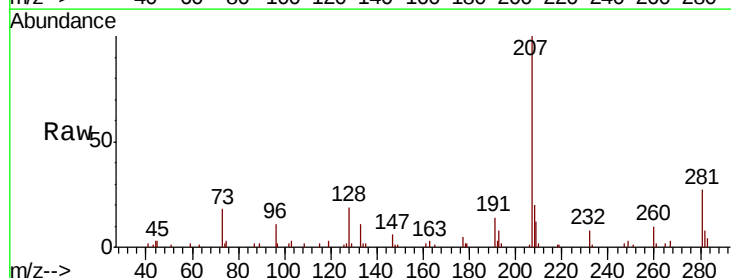


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

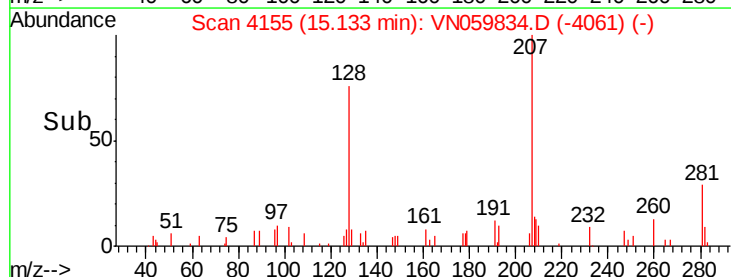
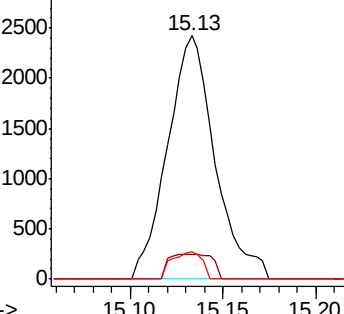


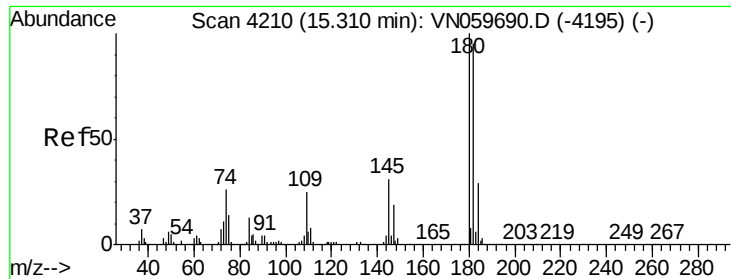
#95
Naphthalene
Concen: 0.829 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059834.D
Acq: 24 Jan 2020 10:25

Tgt Ion:128 Resp: 4305
Ion Ratio Lower Upper
128 100
127 9.3 10.4 15.6#
129 7.0 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

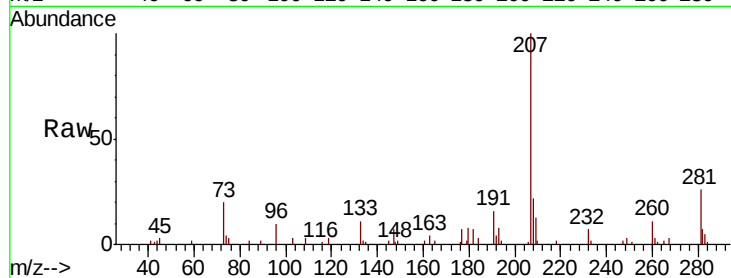




#96
 1,2,3-Trichlorobenzene
 Concen: 1.078 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN059834.D
 Acq: 24 Jan 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	79.4	47.4	142.3
145	26.9	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

