

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059987.D
 Acq On : 4 Feb 2020 11:56
 Operator : JC/MD
 Sample : VN0204WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

Quant Time: Feb 05 01:19:24 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	200894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121445	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	113189	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	7.57	113	93963	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.08	98	371512	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	128622	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

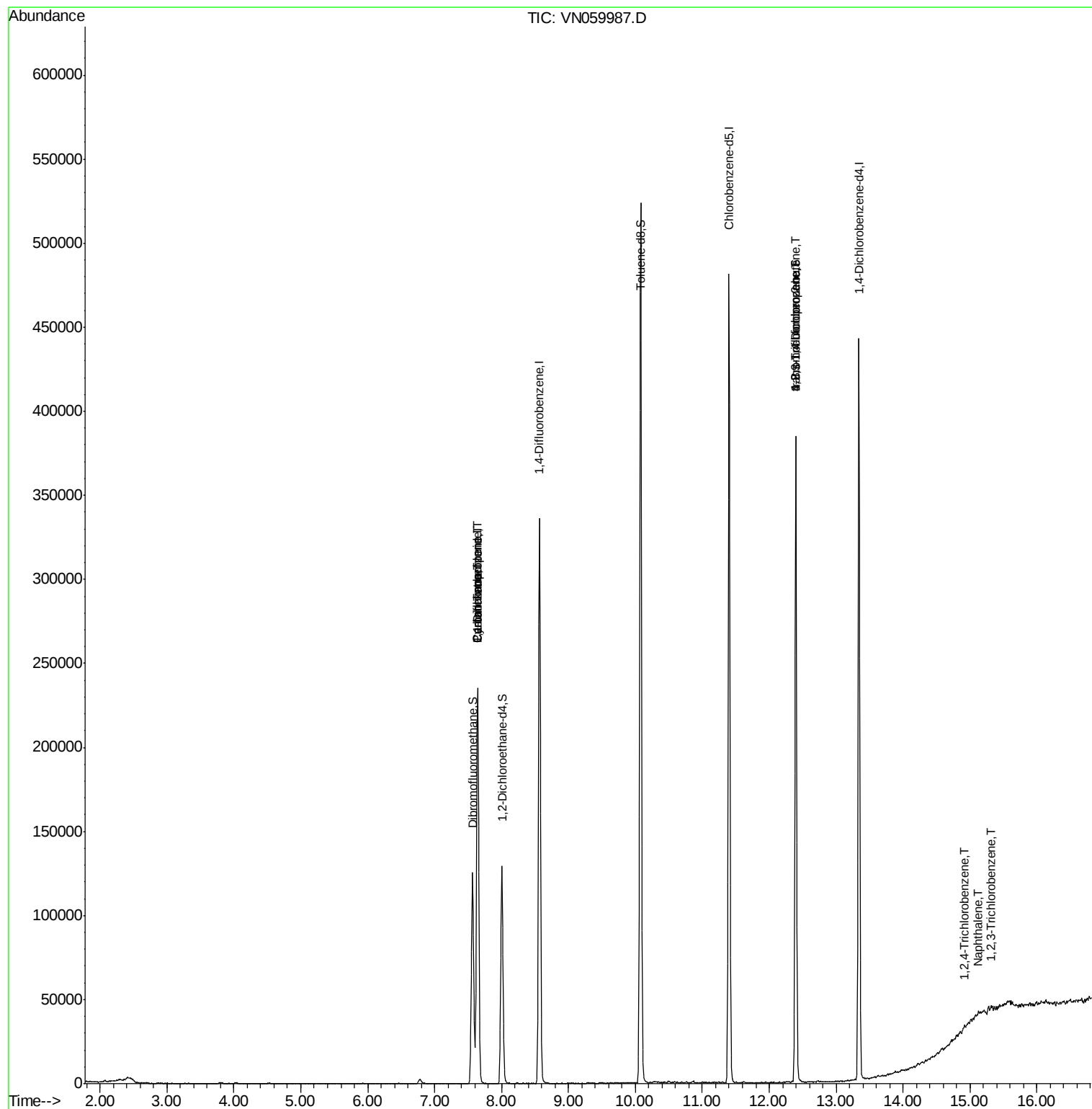
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1311	Below Cal	#	45
20) Methylene Chloride	4.53	84	191	Below Cal	#	43
31) Cyclohexane	7.64	56	4071	1.233	ug/l #	13
36) 1,1-Dichloropropene	7.64	75	13869	5.106	ug/l #	52
38) Carbon Tetrachloride	7.64	117	18415	6.233	ug/l #	15
76) 1,2,3-Trichloropropane	12.40	75	66757	32.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	66757	70.144	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	616	0.265	ug/l	87
95) Naphthalene	15.13	128	2352	0.355	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.32	180	847	0.374	ug/l	87

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

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Data File : VN059987.D
Acq On : 4 Feb 2020 11:56
Operator : JC/MD
Sample : VN0204WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Quant Time: Feb 05 01:19:24 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# 1826

Delta R.T. 0.00 min

Lab File: VN059987.D

Acq: 4 Feb 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

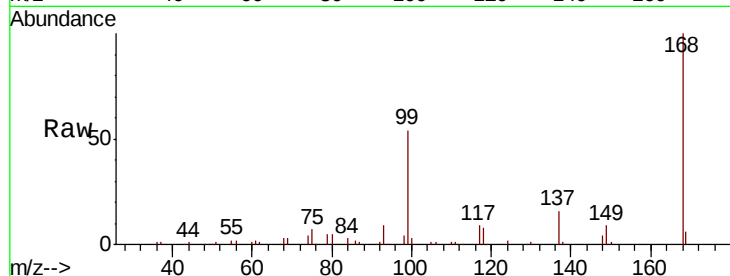
VN0204WBL01

Tot Ion:168 Resp: 200894

Ion Ratio Lower Upper

168 100

99 53.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

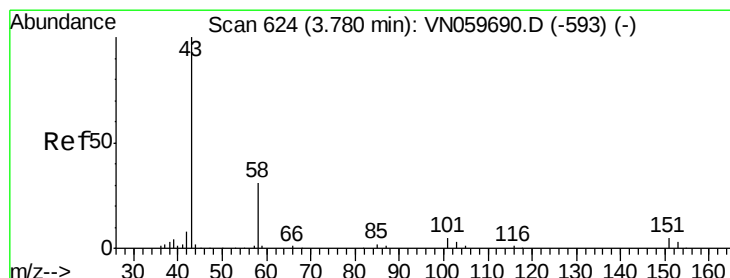
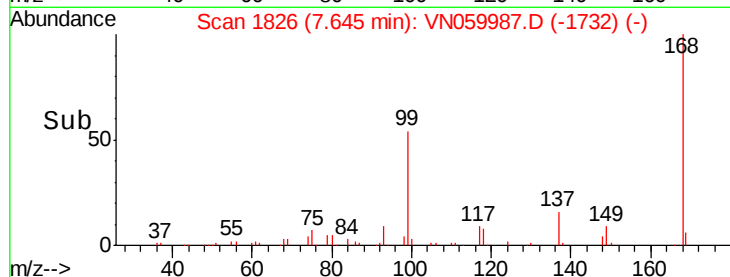
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059987.D

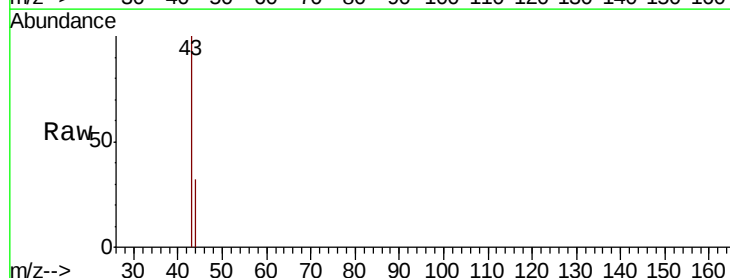
Acq: 4 Feb 2020 11:56

Tgt Ion: 43 Resp: 1311

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

3.79

500

400

300

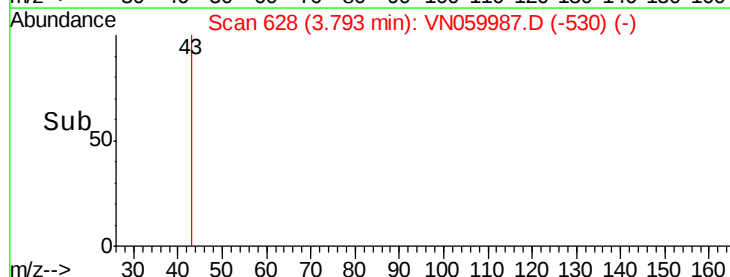
200

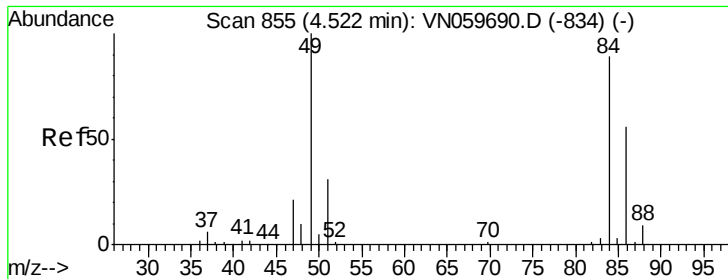
100

0

3.75 3.80 3.85

Time-->

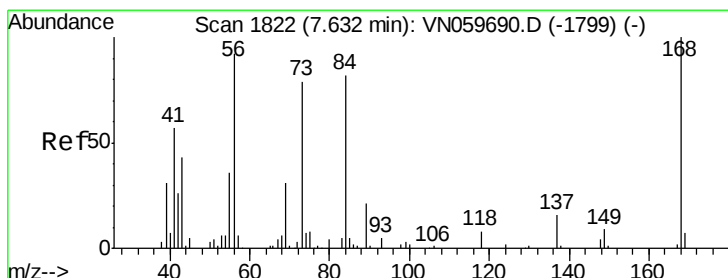
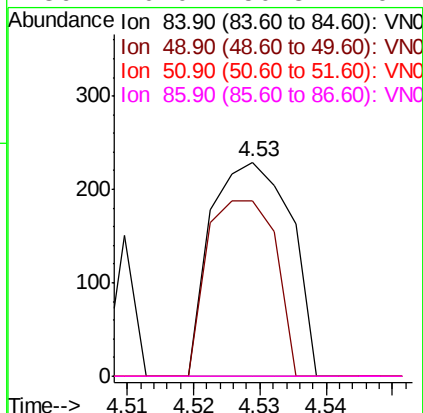
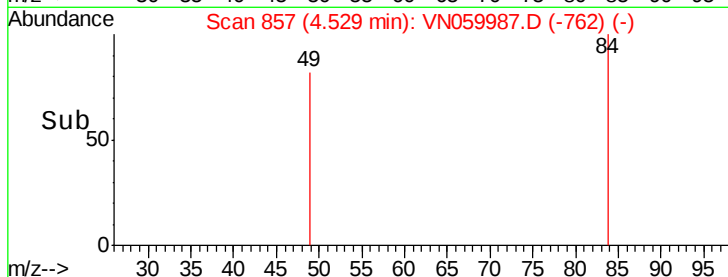
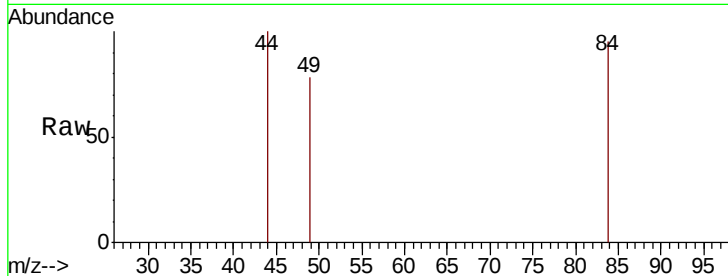




#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059987.D
Acq: 4 Feb 2020 11:56

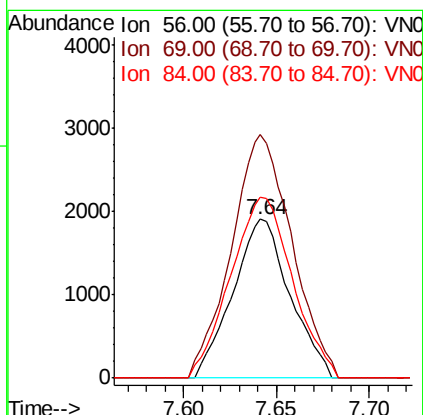
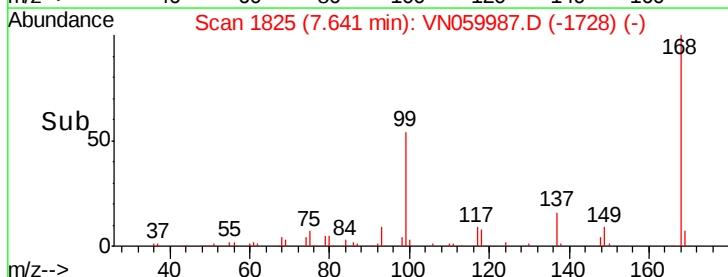
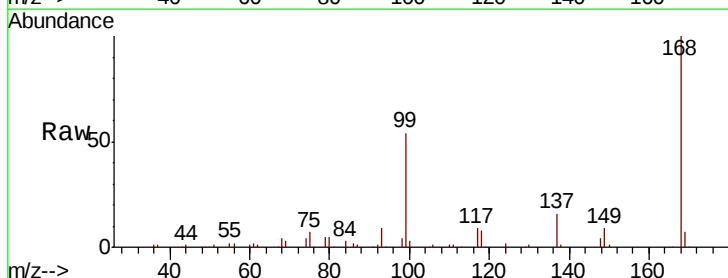
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

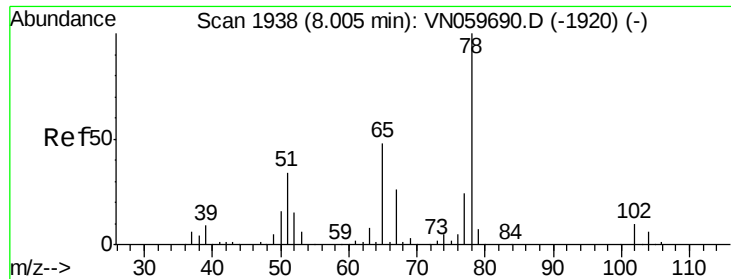
Tot Ion: 84 Resp: 191
Ion Ratio Lower Upper
84 100
49 82.1 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059987.D
Acq: 4 Feb 2020 11:56

Tgt Ion: 56 Resp: 4071
Ion Ratio Lower Upper
56 100
69 153.1 26.5 39.7#
84 114.0 65.3 97.9#

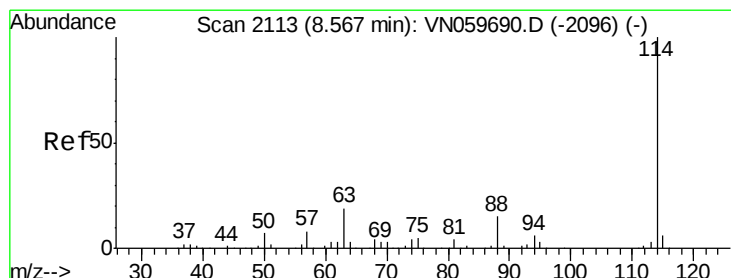
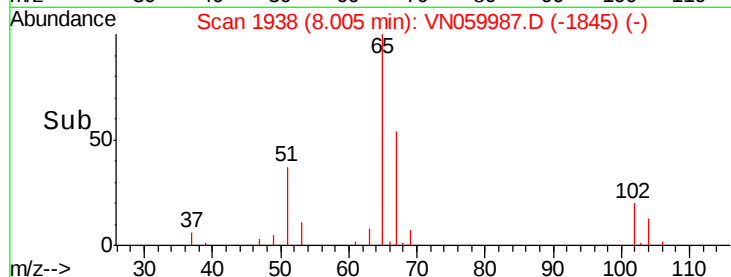
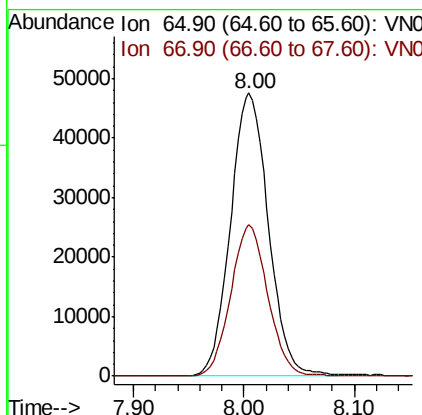
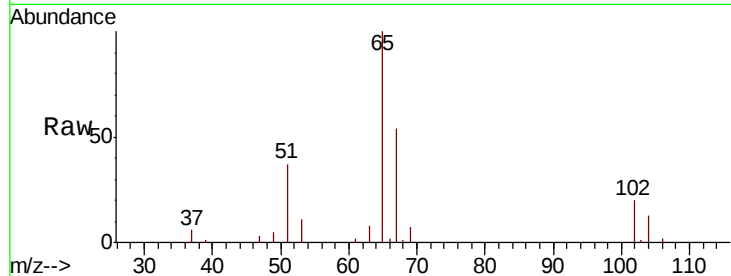




#33
 1,2-Dichloroethane-d4
 Concen: 50.735 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

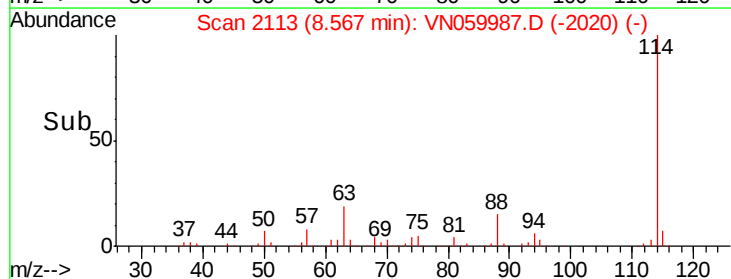
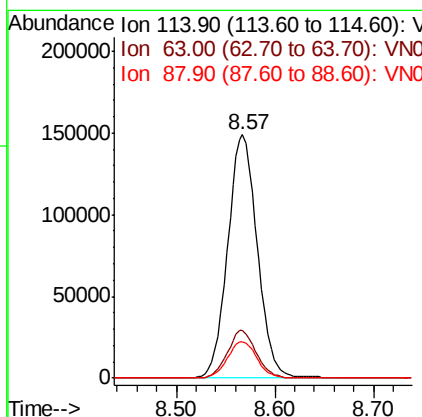
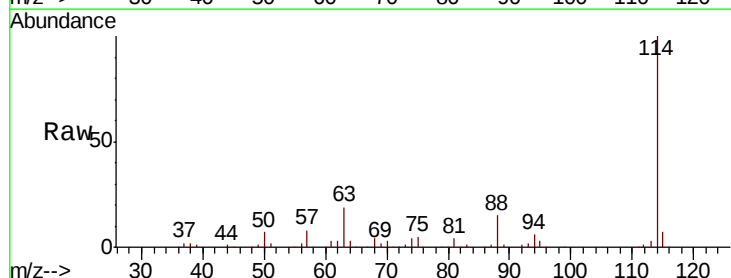
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

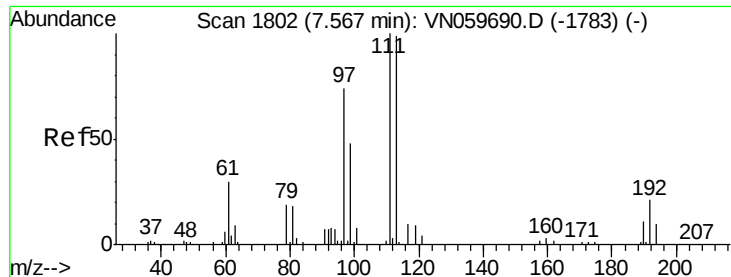
Tot Ion: 65 Resp: 113189
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

Tgt Ion: 114 Resp: 311894
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.6
 88 14.8 0.0 31.4

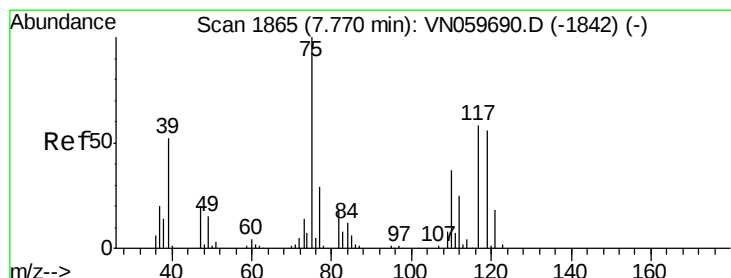
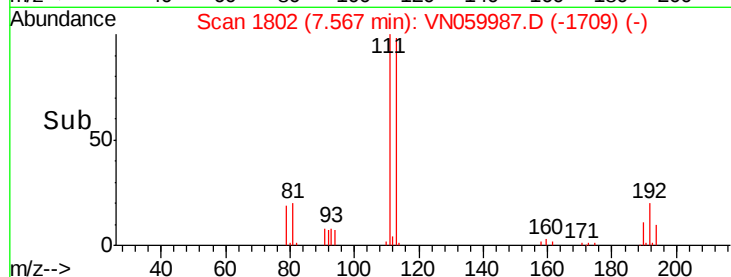
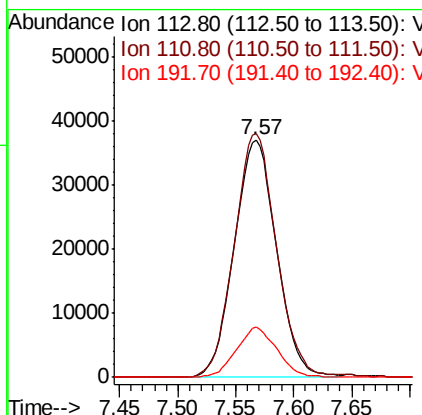
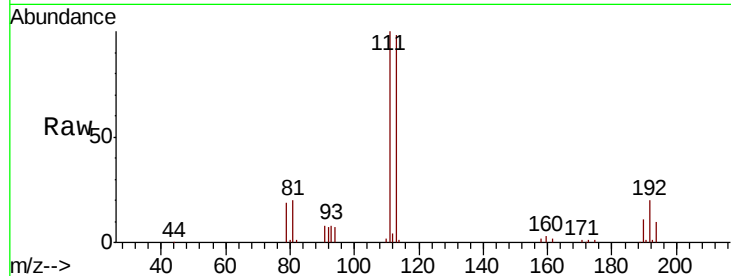




#35
 Dibromofluoromethane
 Concen: 50.519 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

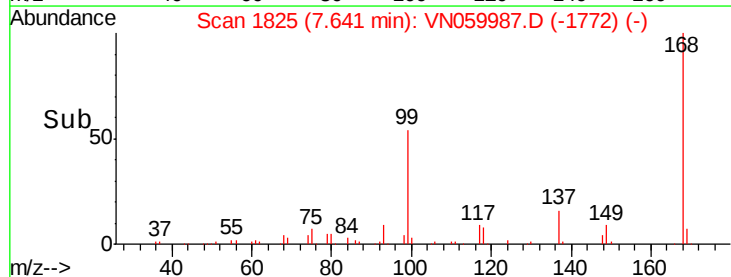
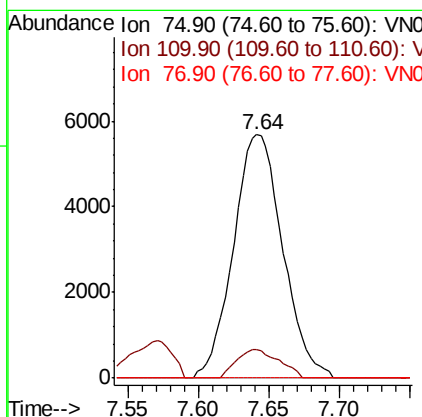
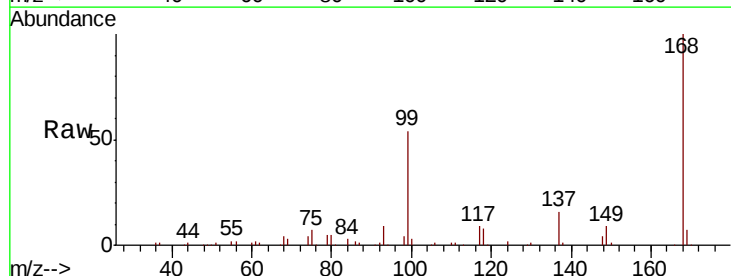
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

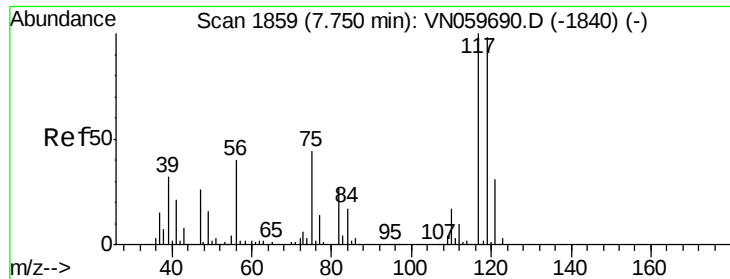
Tot Ion:113 Resp: 93963
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.5 125.3
 192 20.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

Tgt Ion: 75 Resp: 13869
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.6 49.7#
 77 0.0 25.1 37.7#

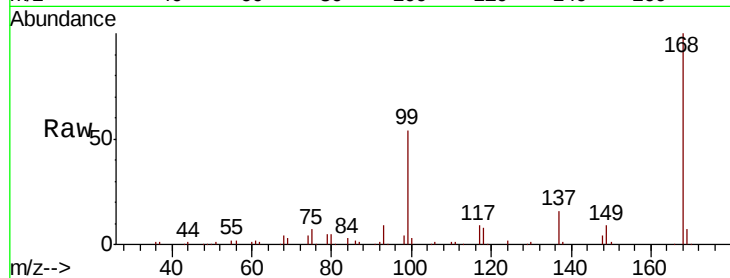




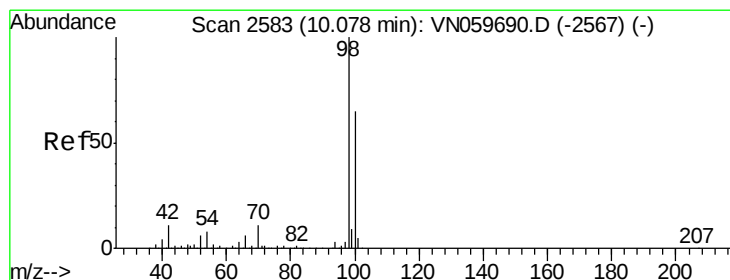
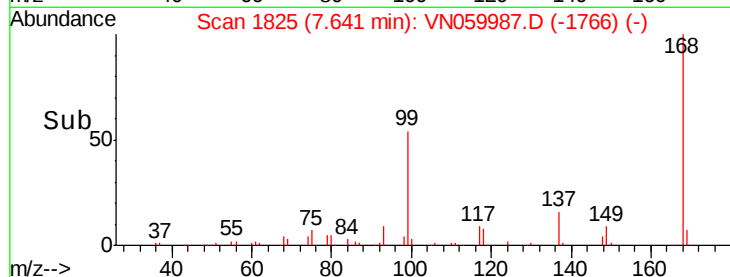
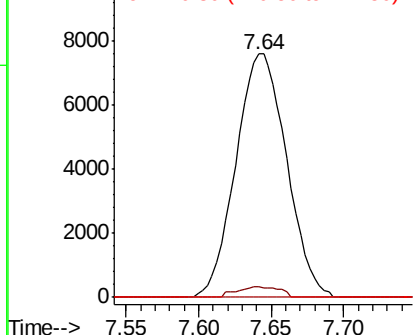
#38
Carbon Tetrachloride
Concen: 6.233 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059987.D
Acq: 4 Feb 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Tot Ion:117 Resp: 18415
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 25.1 37.7#

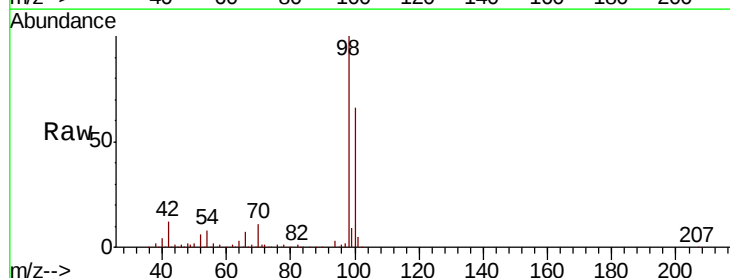


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

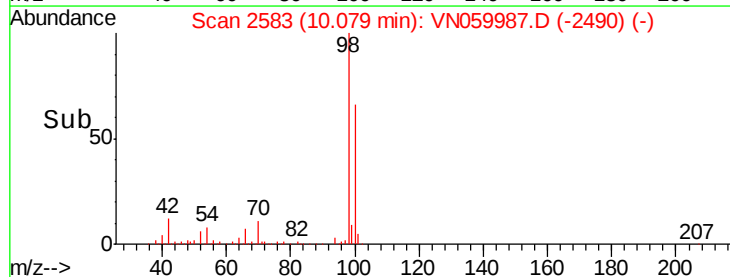
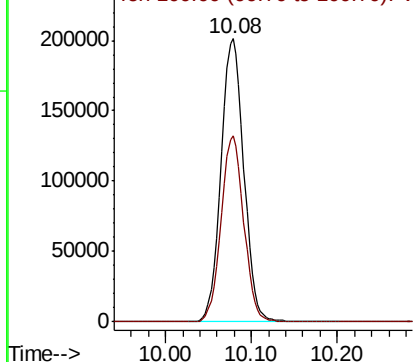


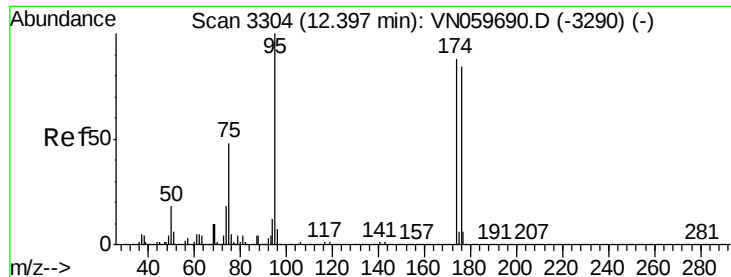
#50
Toluene-d8
Concen: 51.553 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059987.D
Acq: 4 Feb 2020 11:56

Tgt Ion: 98 Resp: 371512
Ion Ratio Lower Upper
98 100
100 65.2 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 49.510 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059987.D

Acq: 4 Feb 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBL01

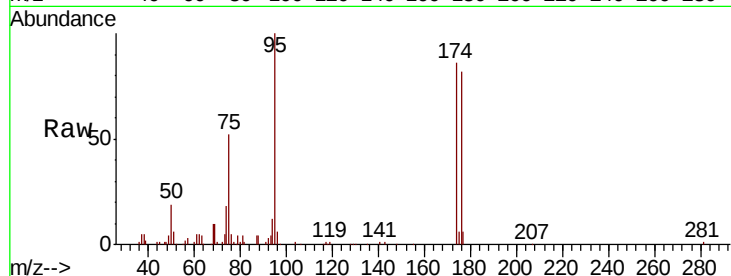
Tot Ion: 95 Resp: 128622

Ion Ratio Lower Upper

95 100

174 86.2 0.0 151.4

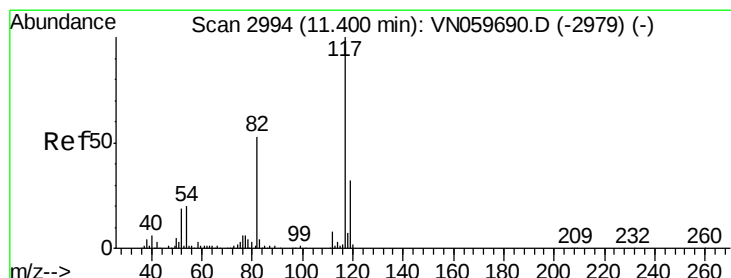
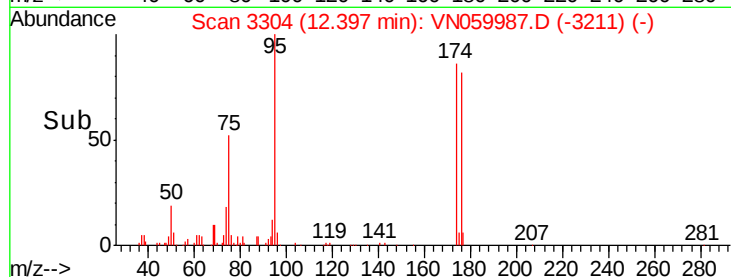
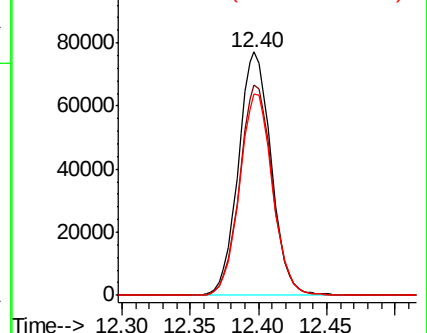
176 83.5 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059987.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059987.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059987.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059987.D

Acq: 4 Feb 2020 11:56

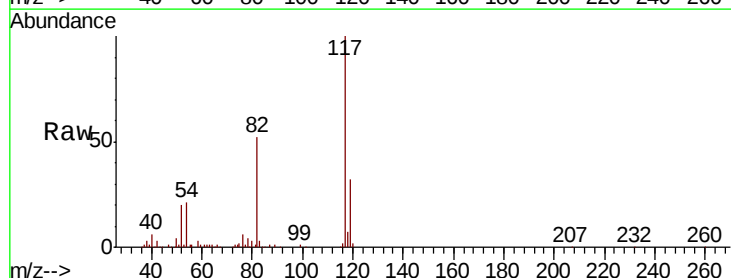
Tgt Ion: 117 Resp: 282988

Ion Ratio Lower Upper

117 100

82 52.3 45.9 68.9

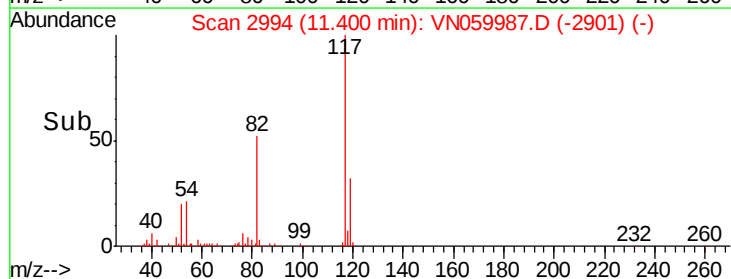
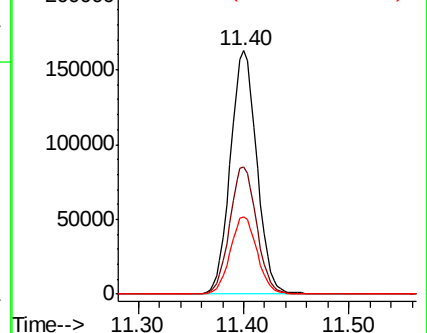
119 31.9 25.5 38.3

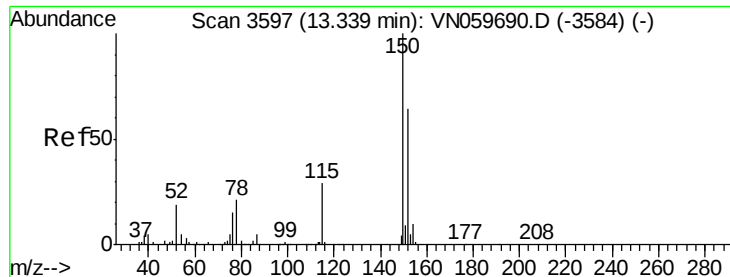


Abundance Ion 116.90 (116.60 to 117.60): VN059987.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059987.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059987.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059987.D

Acq: 4 Feb 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBL01

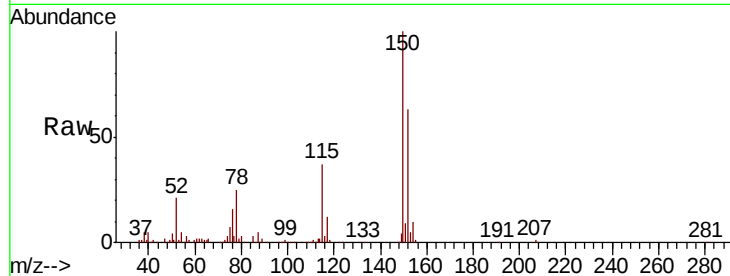
Tot Ion:152 Resp: 121445

Ion Ratio Lower Upper

152 100

115 58.2 30.3 90.9

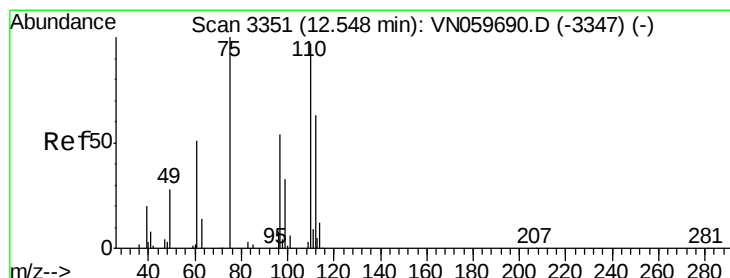
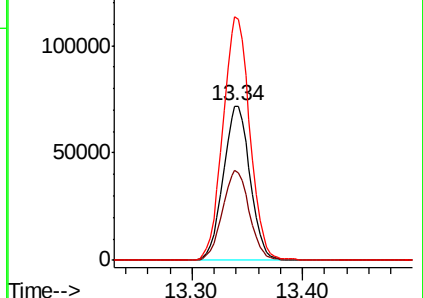
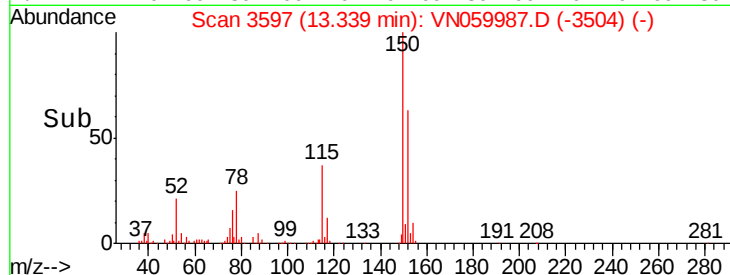
150 158.0 0.0 345.2



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: 32.663 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059987.D

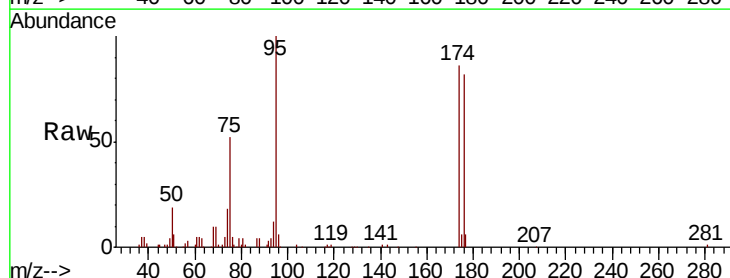
Acq: 4 Feb 2020 11:56

Tgt Ion: 75 Resp: 66757

Ion Ratio Lower Upper

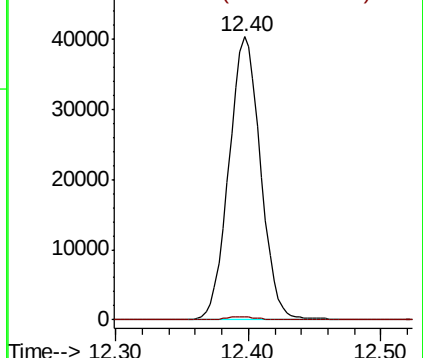
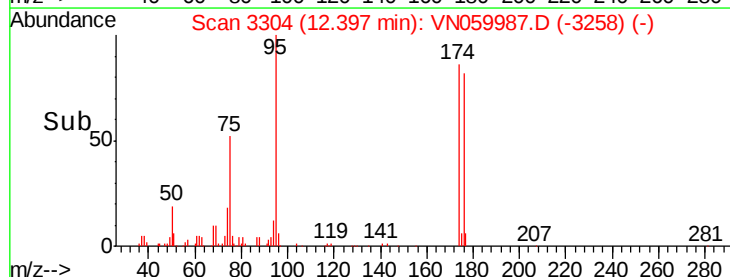
75 100

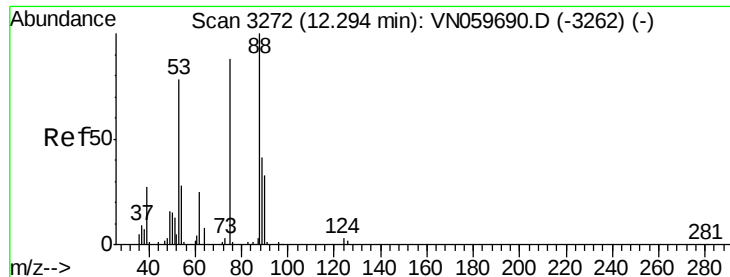
77 1.0 0.0 0.0#



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: 70.144 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059987.D

Acq: 4 Feb 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBL01

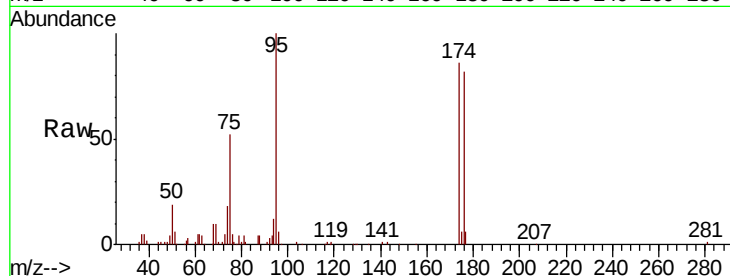
Tot Ion: 75 Resp: 66757

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

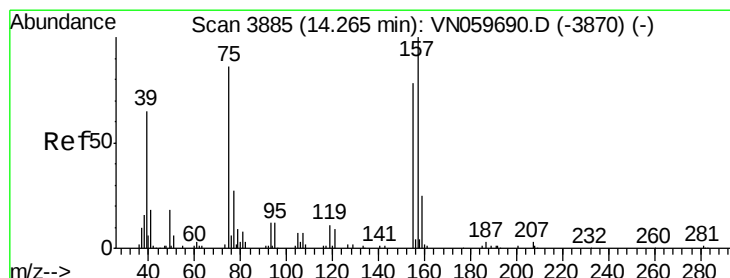
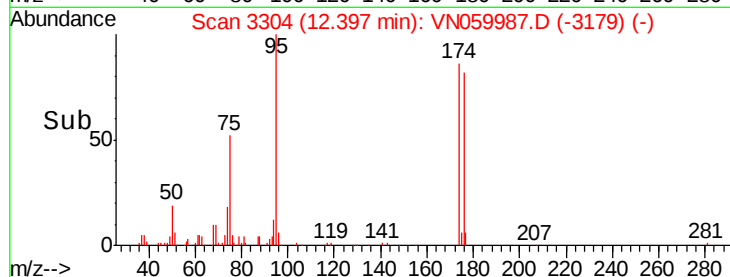
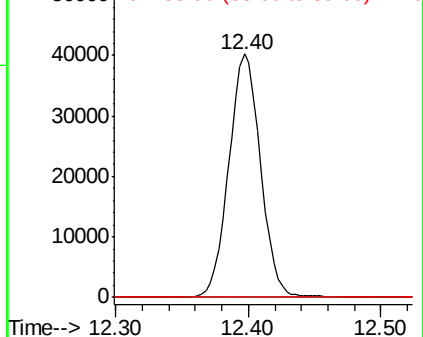
89 0.0 35.4 53.2#



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: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN059987.D

Acq: 4 Feb 2020 11:56

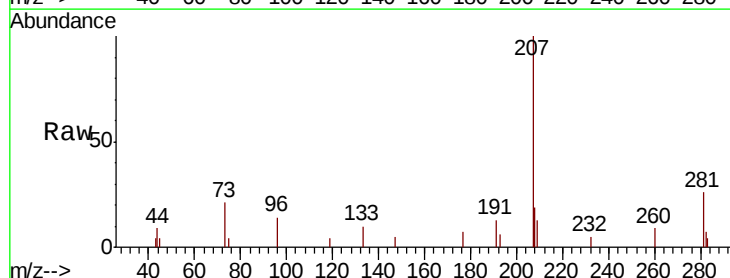
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

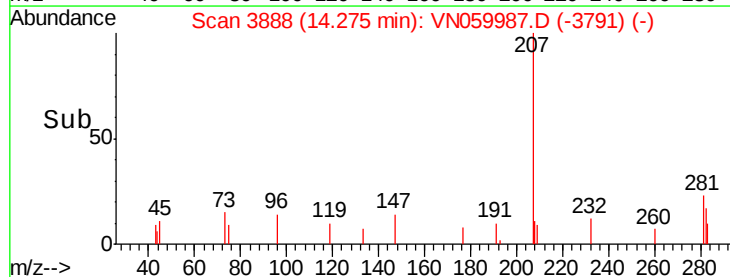
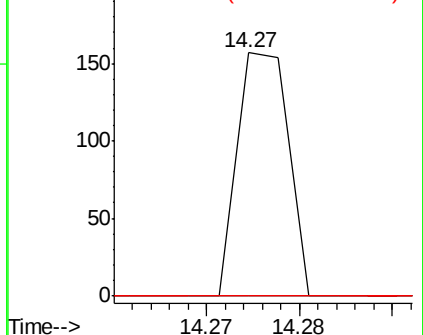
157 0.0 48.4 145.2#

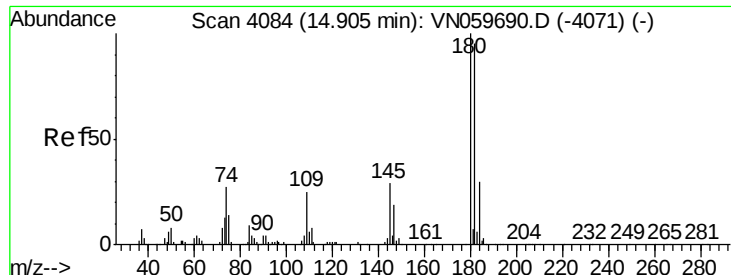


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

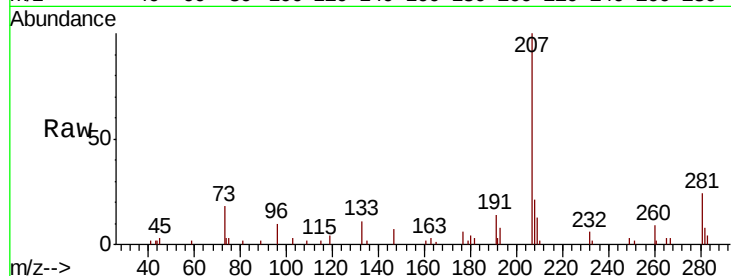




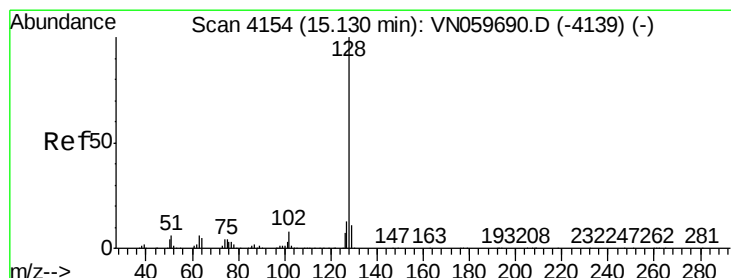
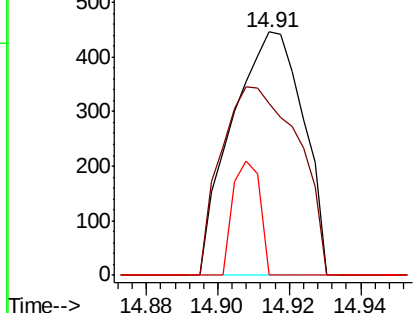
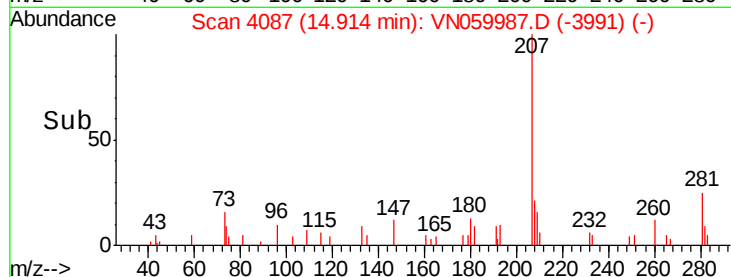
#93
 1,2,4-Trichlorobenzene
 Concen: 0.265 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.6	46.9	140.7
145	17.9	15.0	45.1

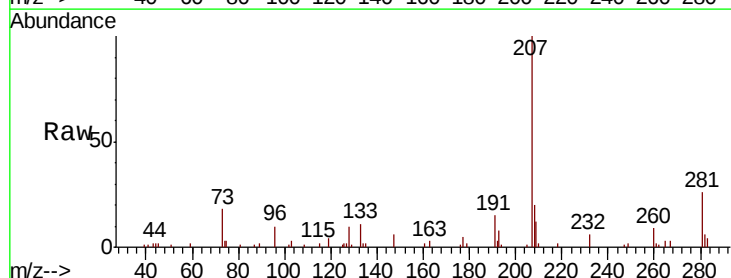


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

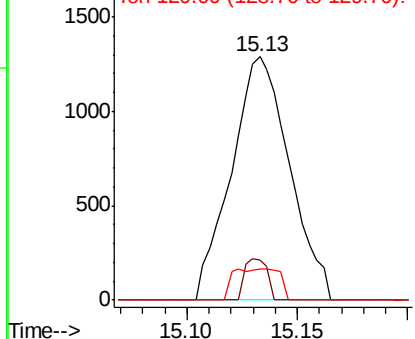
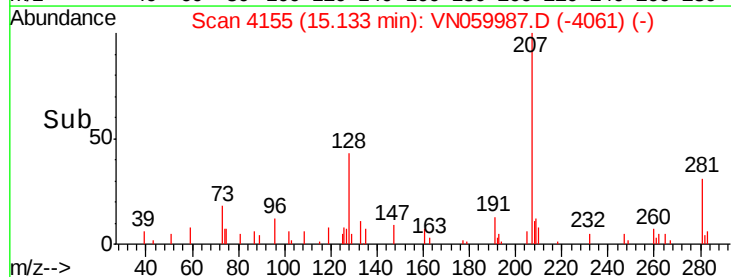


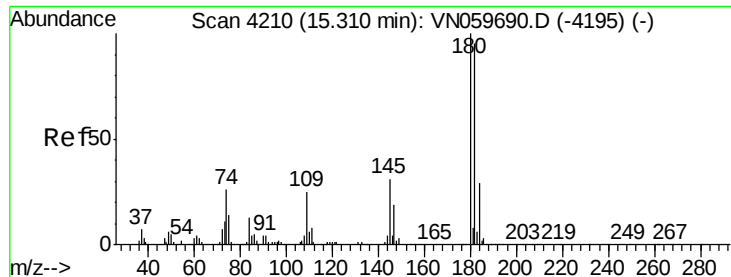
#95
 Naphthalene
 Concen: 0.355 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.5	10.4	15.6#
129	3.8	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

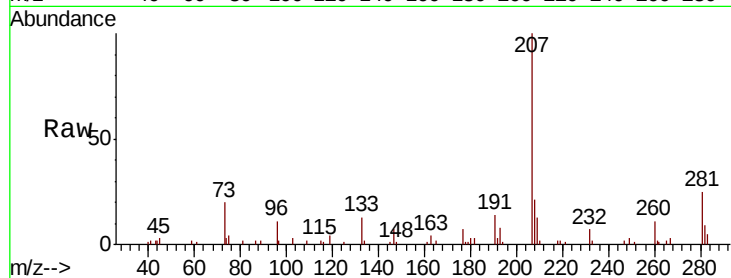




#96
 1,2,3-Trichlorobenzene
 Concen: 0.374 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN059987.D
 Acq: 4 Feb 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.0	47.4	142.3
145	21.7	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

