

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013020\
 Data File : VN059926.D
 Acq On : 30 Jan 2020 14:04
 Operator : JC/MD
 Sample : VN0130WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 16:51:42 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	195426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115478	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	107864	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	7.57	113	89517	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.08	98	352903	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	121265	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

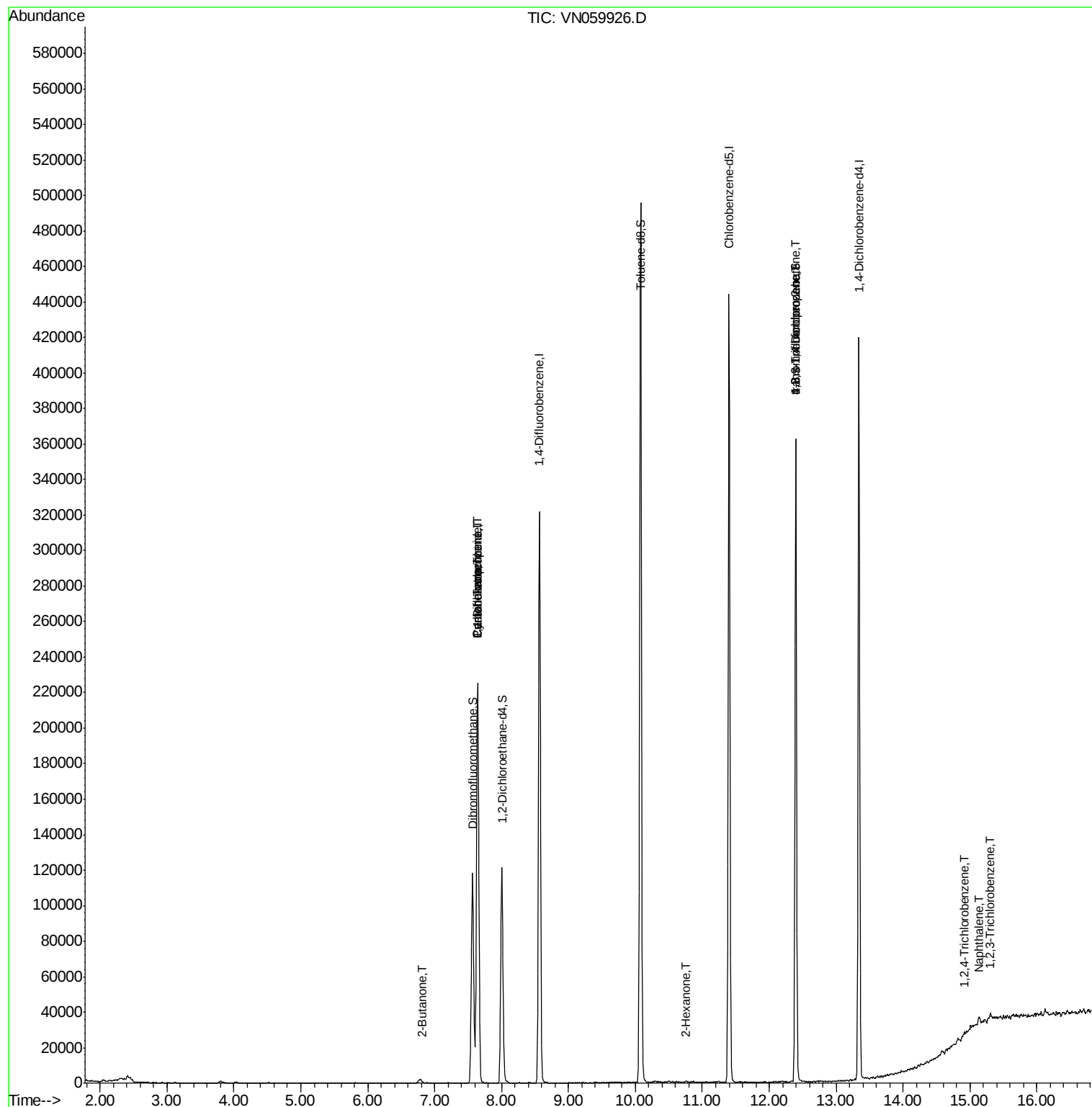
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	1526	Below Cal		98
20) Methylene Chloride	4.52	84	234	Below Cal	#	11
25) 2-Butanone	6.82	43	276	0.225	ug/l #	50
31) Cyclohexane	7.64	56	3616	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13134	5.025	ug/l #	51
38) Carbon Tetrachloride	7.64	117	17894	6.293	ug/l #	16
59) 2-Hexanone	10.75	43	500	0.278	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	61850	31.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61850	68.347	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.21	75	30	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	706	0.319	ug/l	96
95) Naphthalene	15.13	128	3305	0.525	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1154	0.536	ug/l #	85

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

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

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MSVOA_N
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Quant Time: Jan 30 16:51:42 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: VN059926.D

Acq: 30 Jan 2020 14:04

Instrument :

MSVOA_N

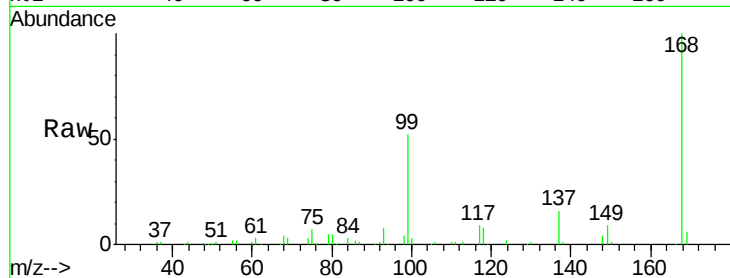
ClientSampleId :

Tot Ion:168 Resp: 195426

Ion Ratio Lower Upper

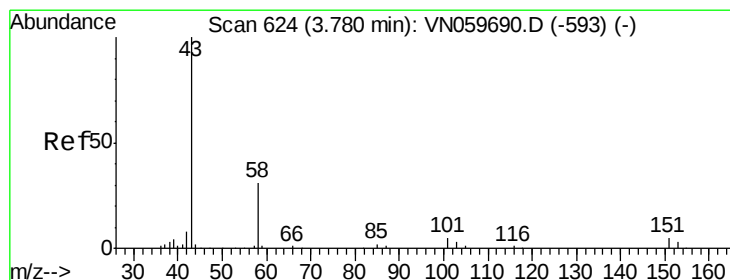
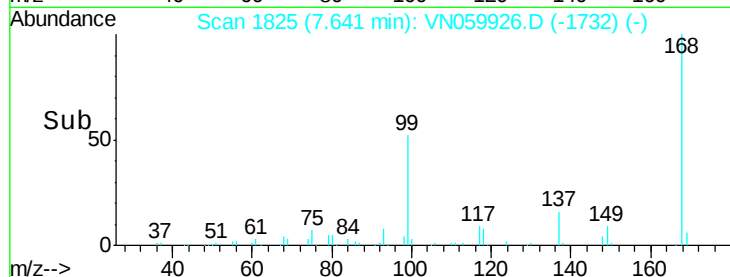
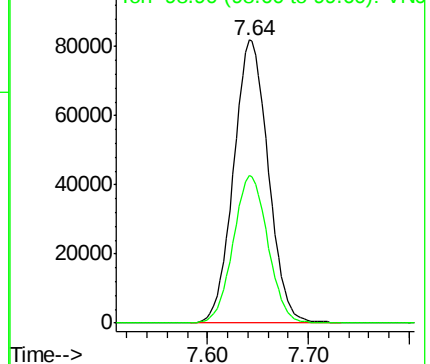
168 100

99 52.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059926.D

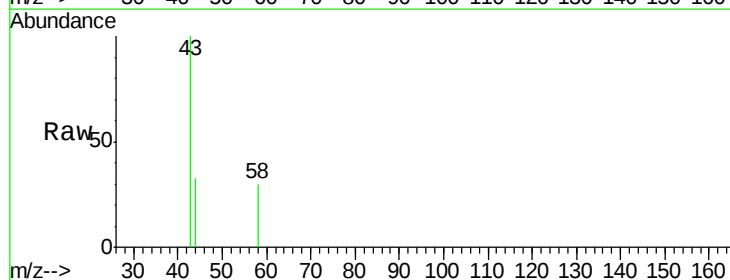
Acq: 30 Jan 2020 14:04

Tgt Ion: 43 Resp: 1526

Ion Ratio Lower Upper

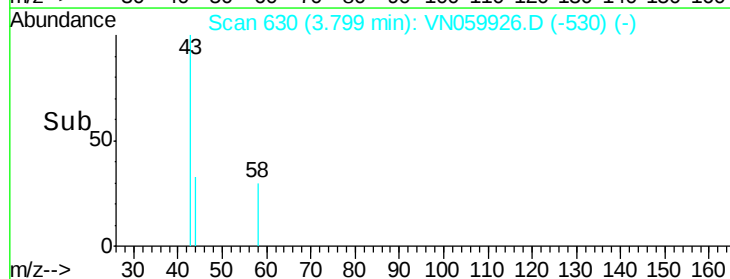
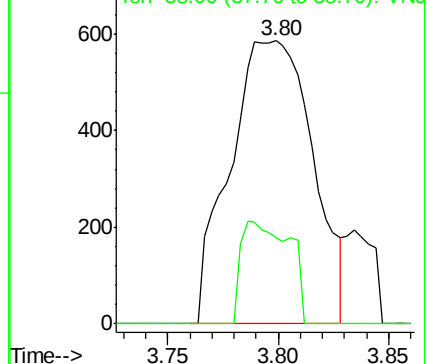
43 100

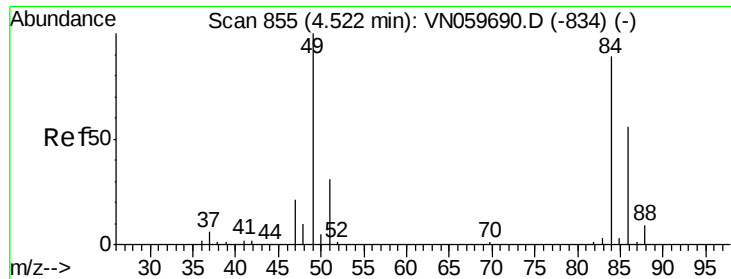
58 30.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

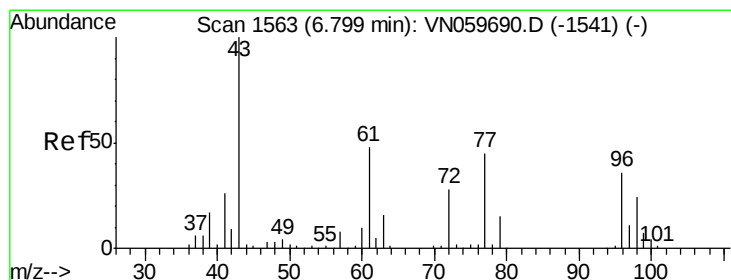
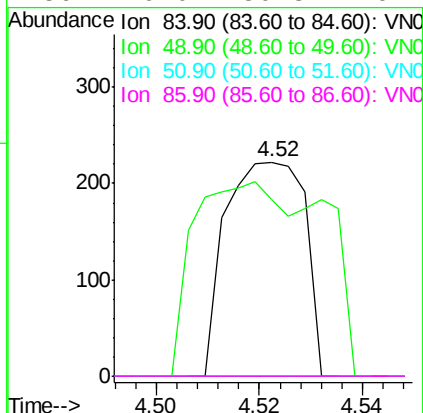
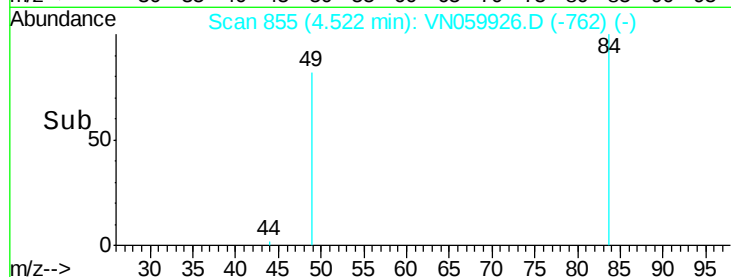
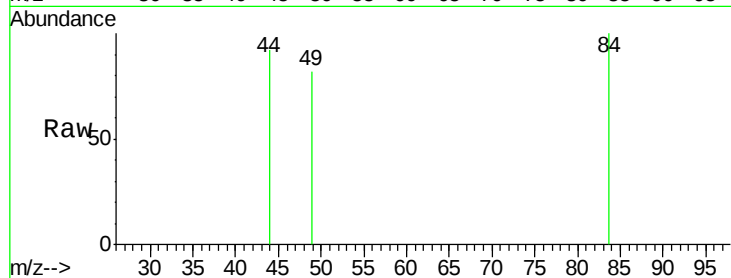




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059926.D
Acq: 30 Jan 2020 14:04

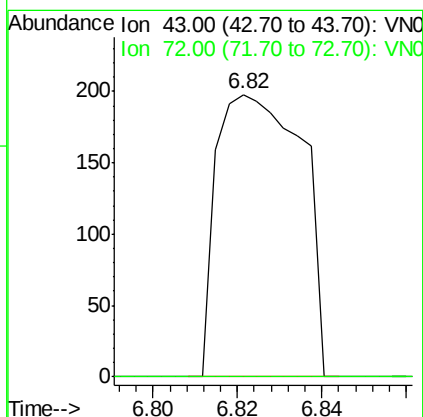
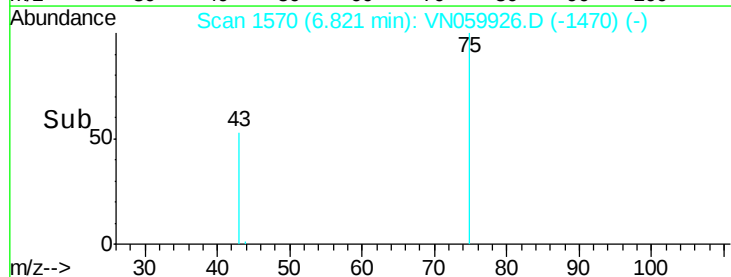
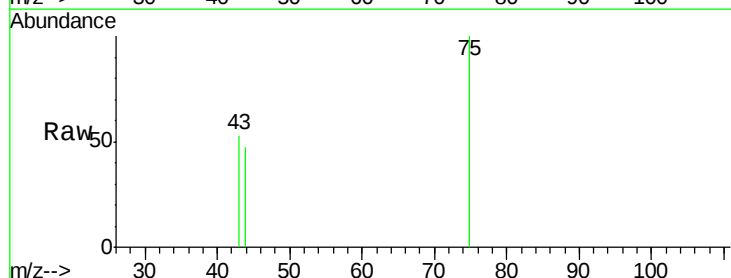
Instrument :
MSVOA_N
ClientSampled :

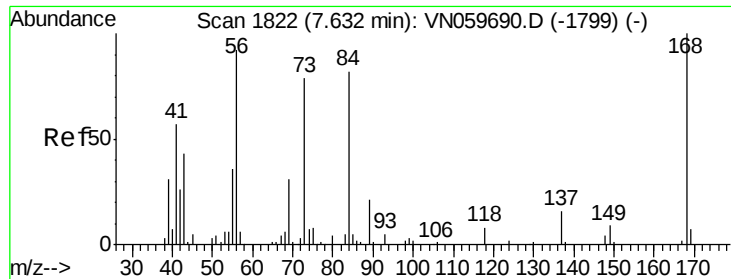
Tot Ion: 84 Resp: 234
Ion Ratio Lower Upper
84 100
49 14.4 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#25
2-Butanone
Concen: 0.225 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059926.D
Acq: 30 Jan 2020 14:04

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

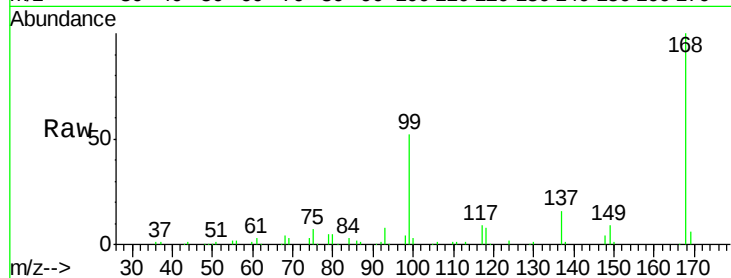




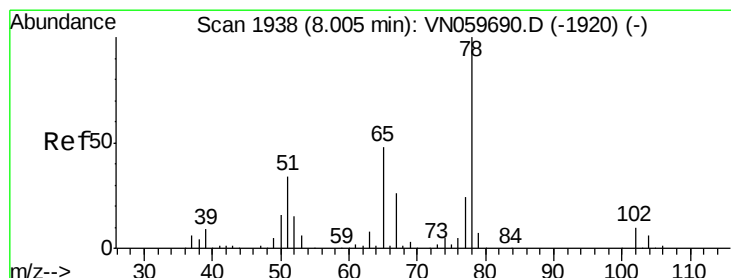
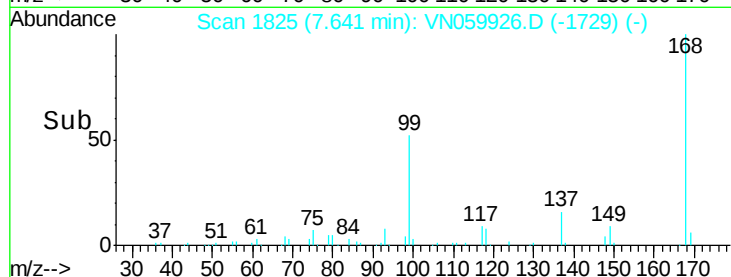
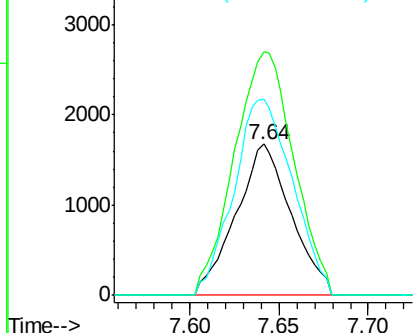
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059926.D
Acq: 30 Jan 2020 14:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3616
Ion Ratio Lower Upper
56 100
69 161.2 26.5 39.7#
84 129.8 65.3 97.9#

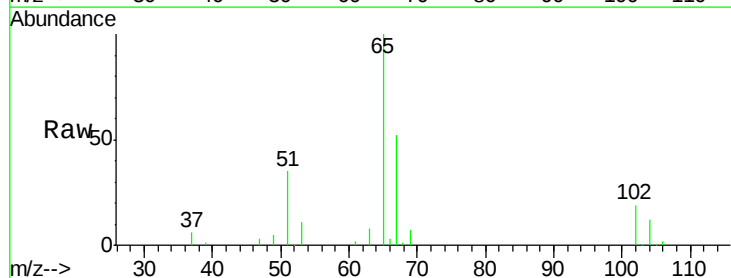


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

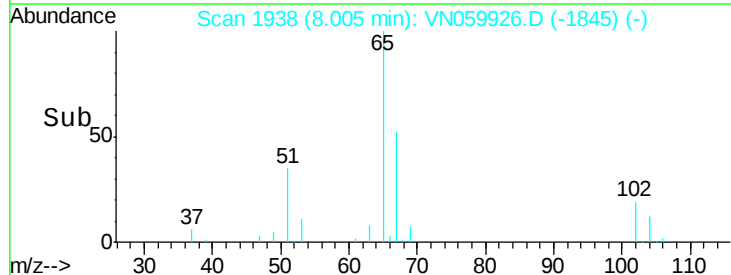
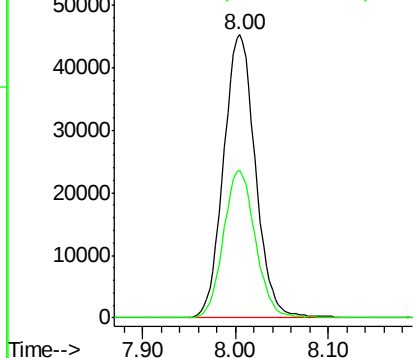


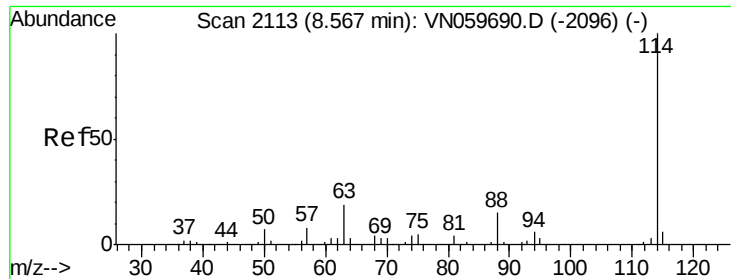
#33
1,2-Dichloroethane-d4
Concen: 49.701 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059926.D
Acq: 30 Jan 2020 14:04

Tgt Ion: 65 Resp: 107864
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0



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

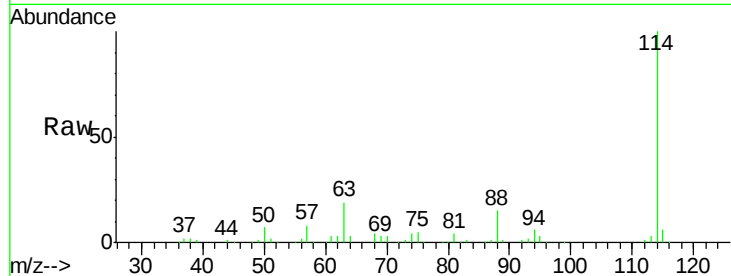




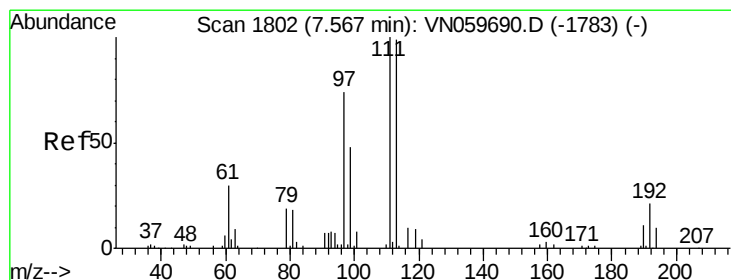
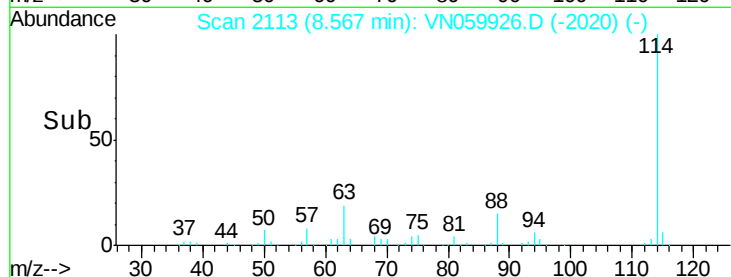
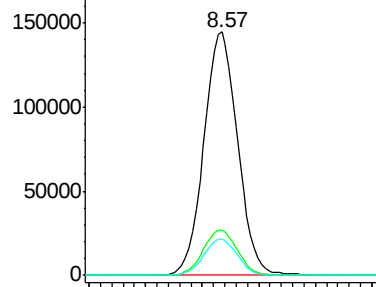
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 300164
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 14.9 0.0 31.4

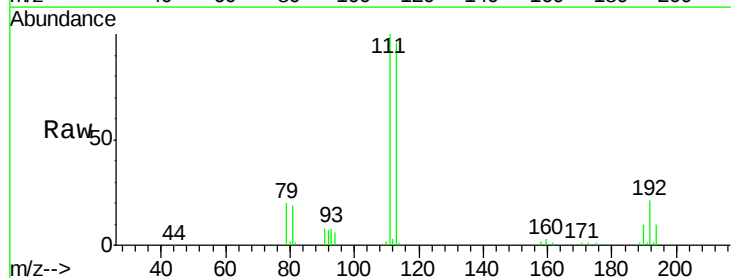


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

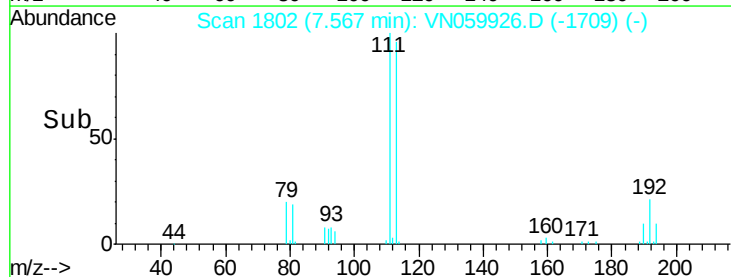
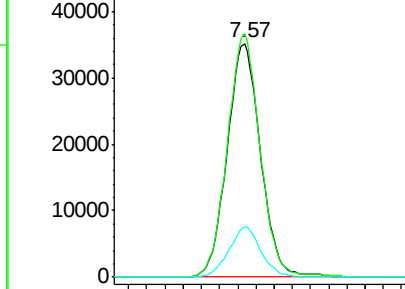


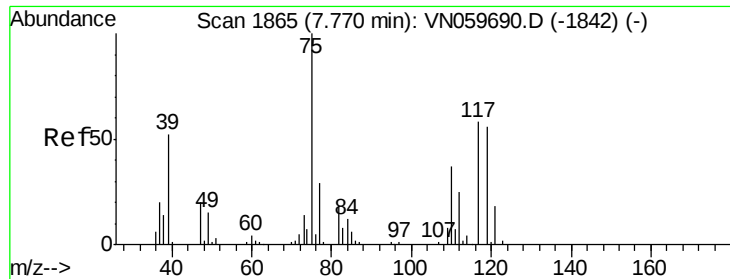
#35
 Dibromofluoromethane
 Concen: 50.009 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

Tgt Ion:113 Resp: 89517
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.5 125.3
 192 20.5 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

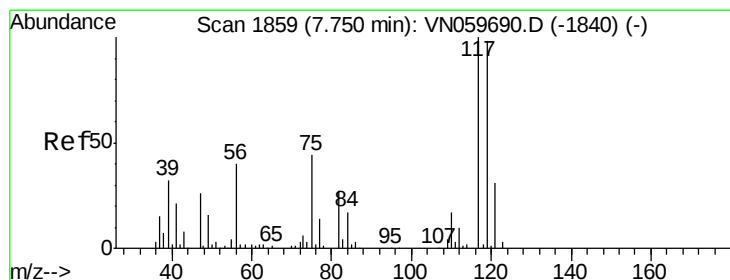
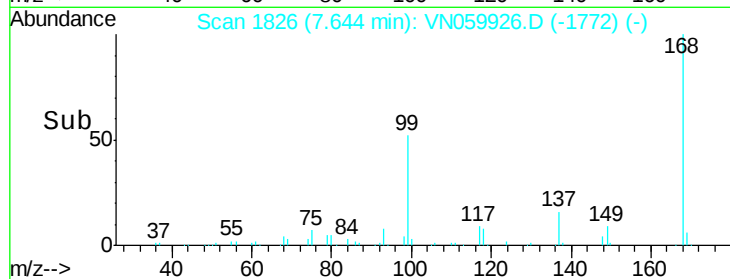
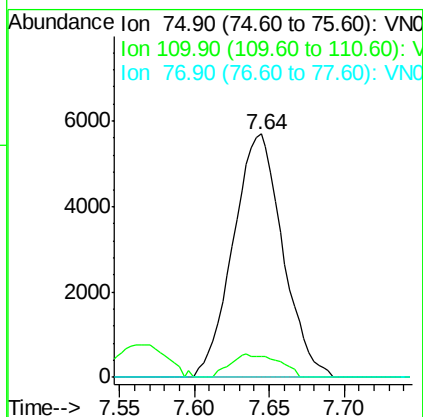
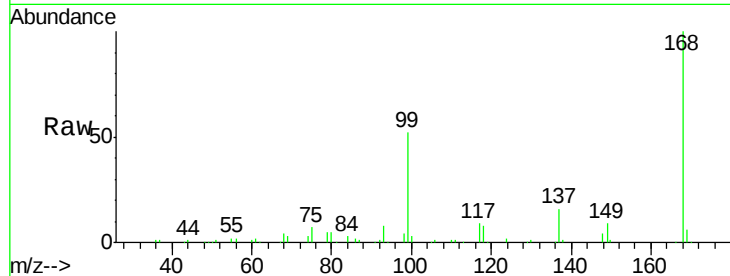




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

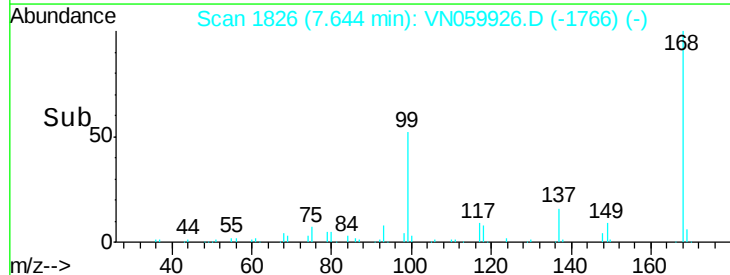
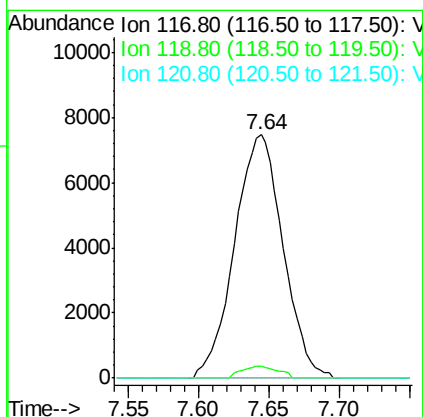
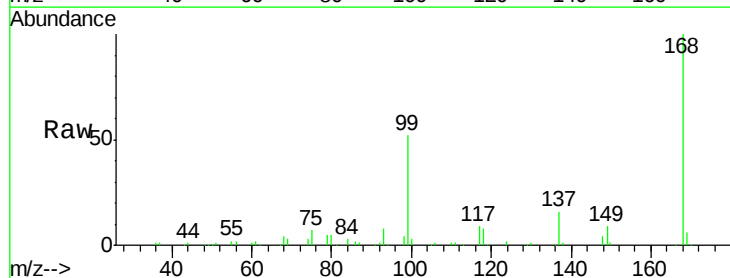
Instrument :
 MSVOA_N
 ClientSampleId :

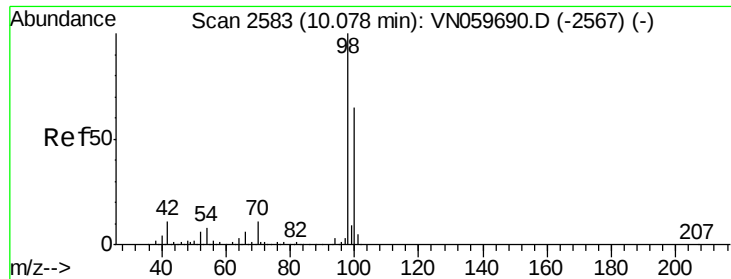
Tot Ion: 75 Resp: 13134
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.293 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

Tgt Ion: 117 Resp: 17894
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.5 114.7#
 121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 50.884 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059926.D

Acq: 30 Jan 2020 14:04

Instrument :

MSVOA_N

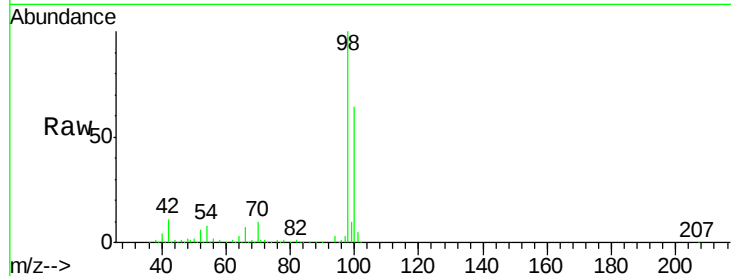
ClientSampleId :

Tot Ion: 98 Resp: 352903

Ion Ratio Lower Upper

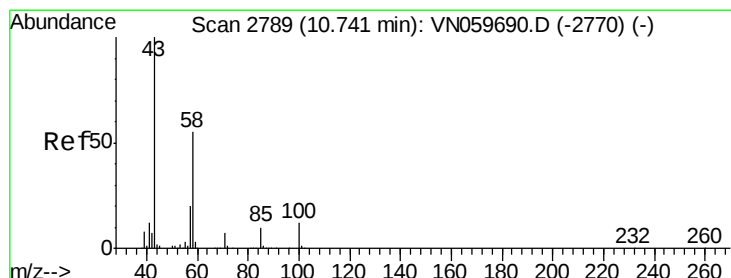
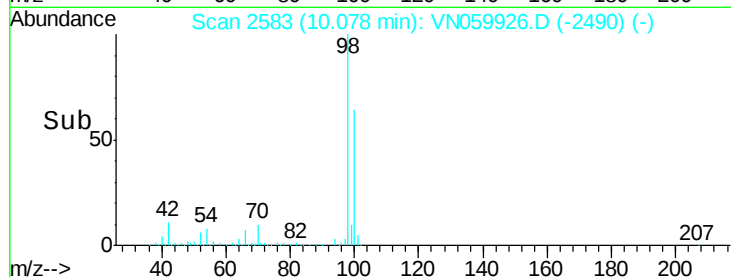
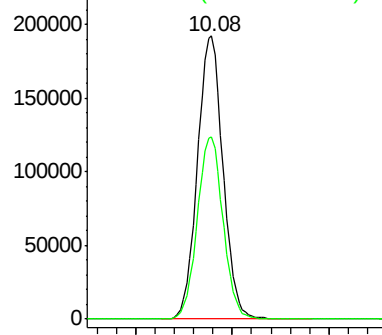
98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 0.278 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059926.D

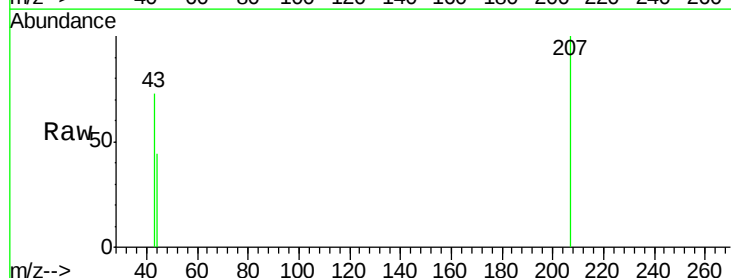
Acq: 30 Jan 2020 14:04

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

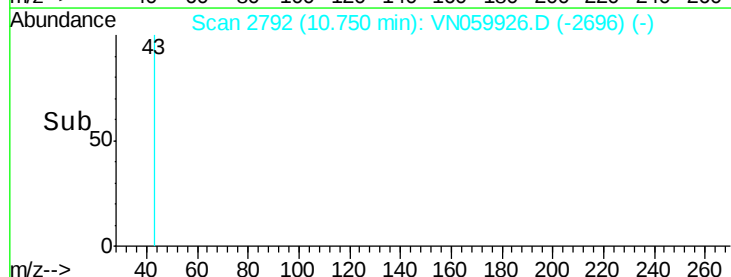
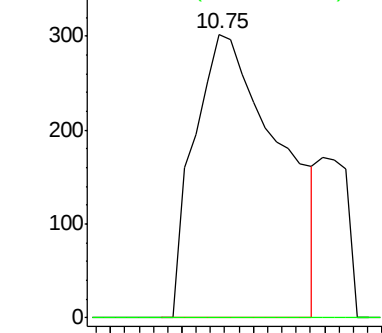
43 100

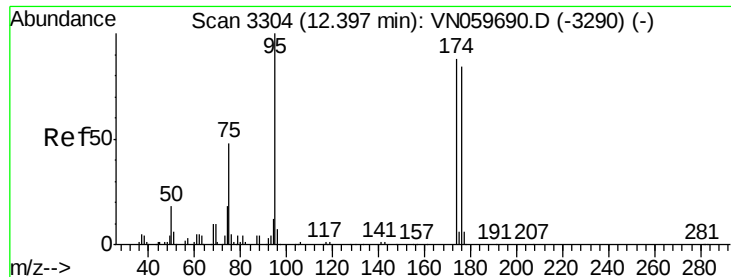
58 0.0 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.502 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059926.D

Acq: 30 Jan 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

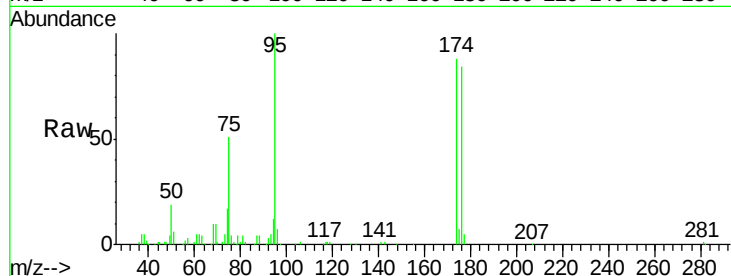
Tot Ion: 95 Resp: 121265

Ion Ratio Lower Upper

95 100

174 87.4 0.0 151.4

176 83.7 0.0 146.0

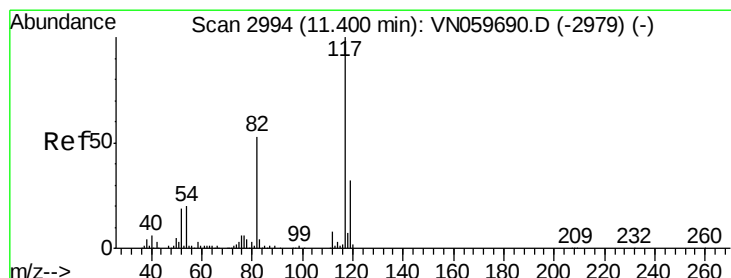
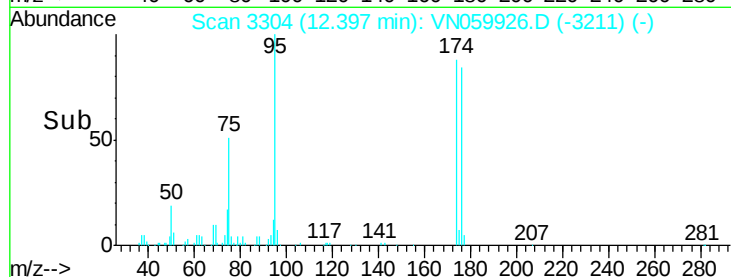


Abundance Ion 94.90 (94.60 to 95.60): VN059926.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059926.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059926.D (-3290) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059926.D

Acq: 30 Jan 2020 14:04

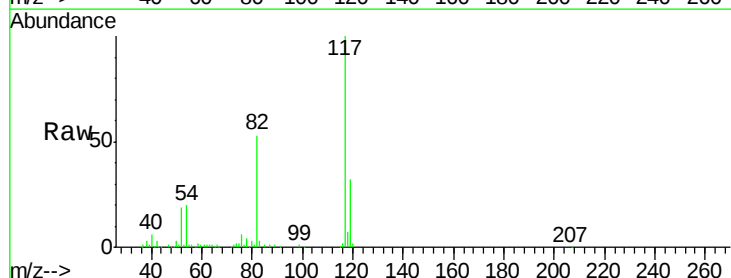
Tgt Ion: 117 Resp: 269300

Ion Ratio Lower Upper

117 100

82 53.4 45.9 68.9

119 32.1 25.5 38.3

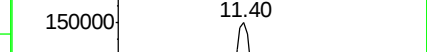
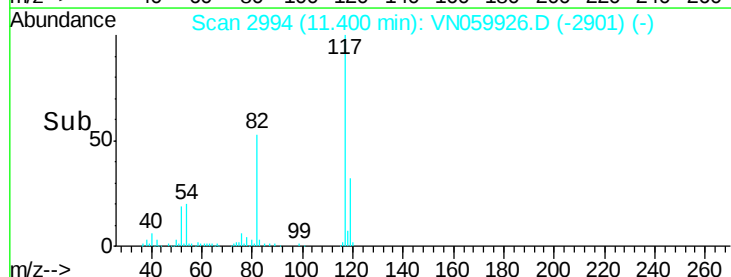


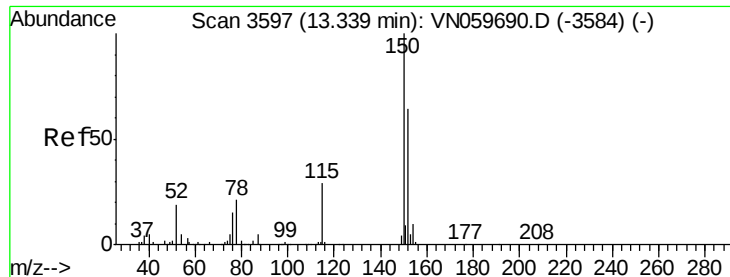
Abundance Ion 116.90 (116.60 to 117.60): VN059926.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059926.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059926.D (-2979) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059926.D

Acq: 30 Jan 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

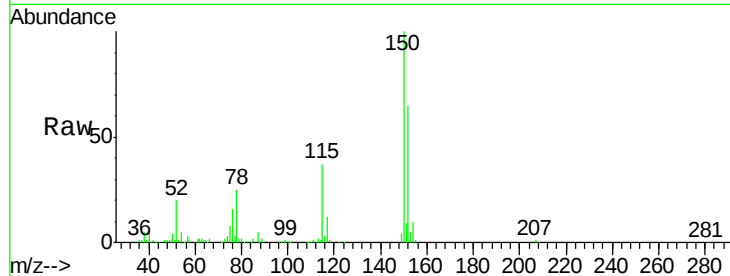
Tot Ion:152 Resp: 115478

Ion Ratio Lower Upper

152 100

115 56.7 30.3 90.9

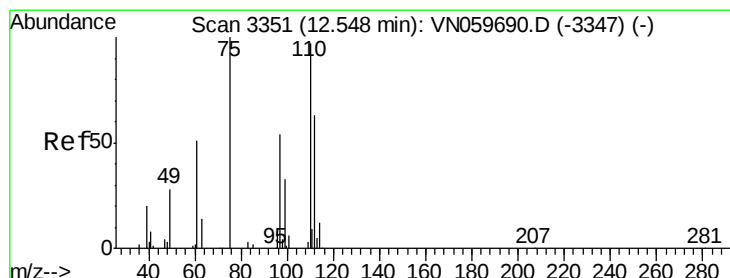
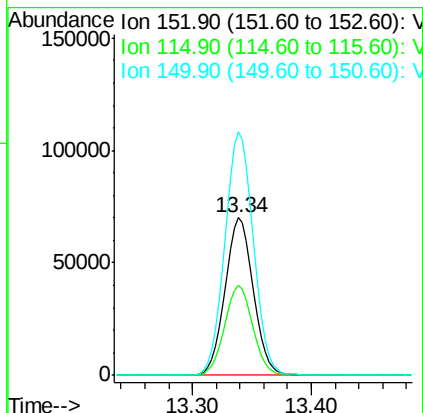
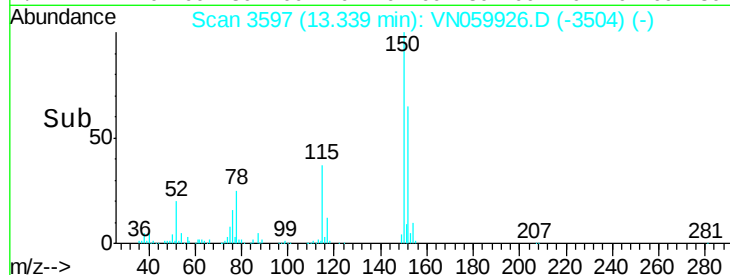
150 156.0 0.0 345.2



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: 31.826 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059926.D

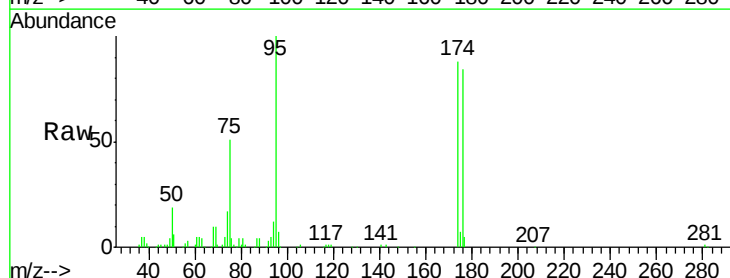
Acq: 30 Jan 2020 14:04

Tgt Ion: 75 Resp: 61850

Ion Ratio Lower Upper

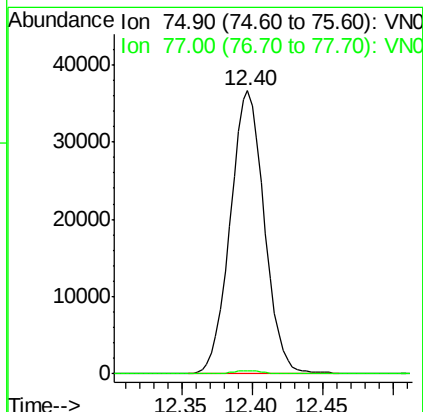
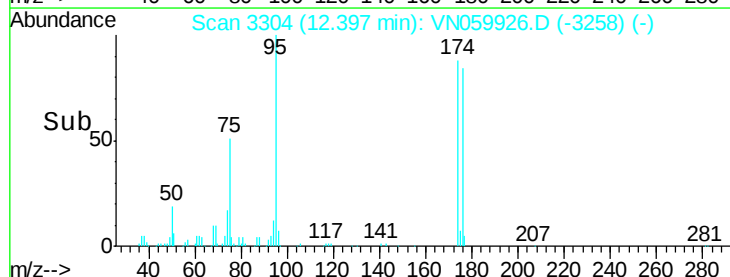
75 100

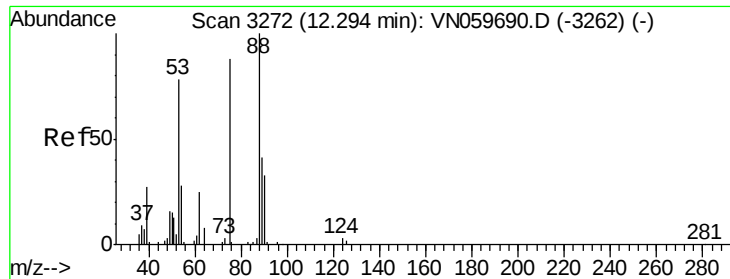
77 0.9 0.0 0.0#



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: 68.347 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059926.D

Acq: 30 Jan 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

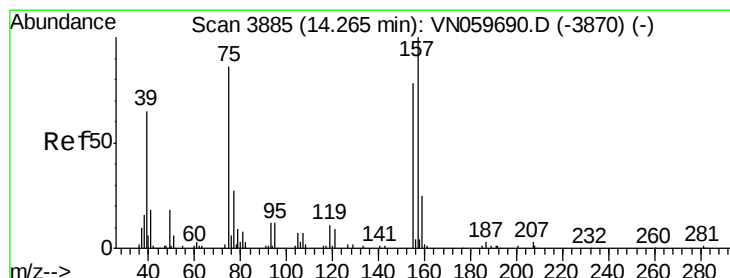
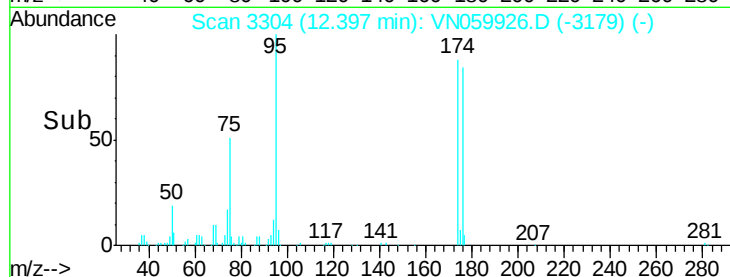
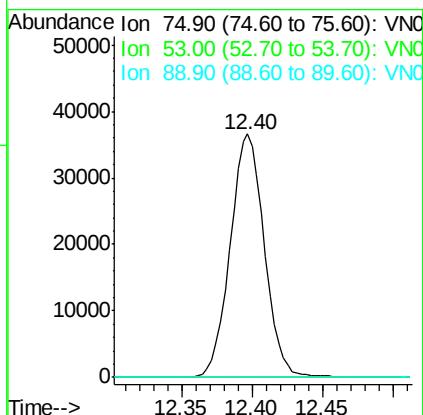
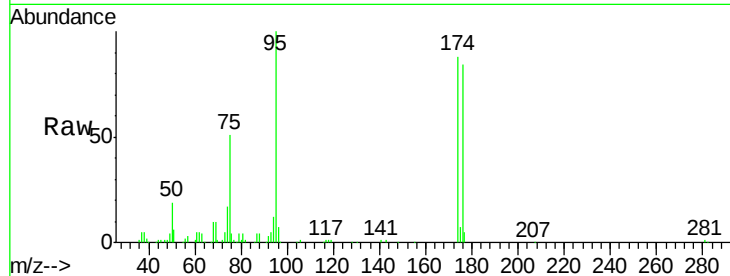
Tot Ion: 75 Resp: 61850

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.21 min Scan# 3867

Delta R.T. -0.06 min

Lab File: VN059926.D

Acq: 30 Jan 2020 14:04

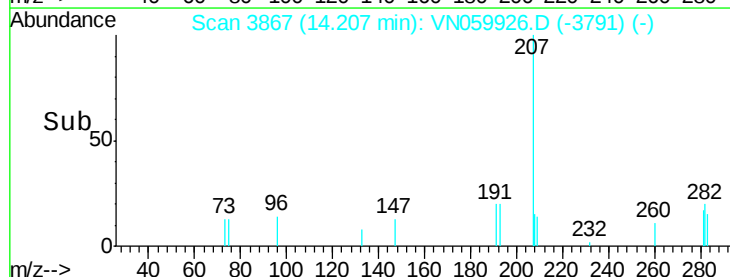
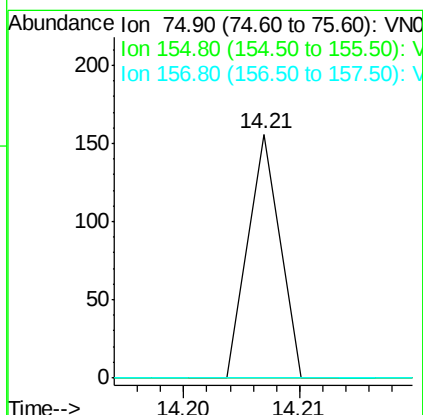
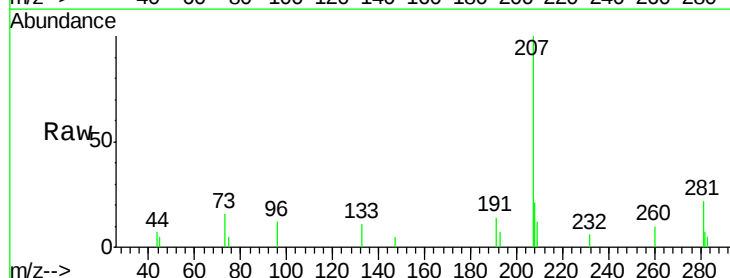
Tgt Ion: 75 Resp: 30

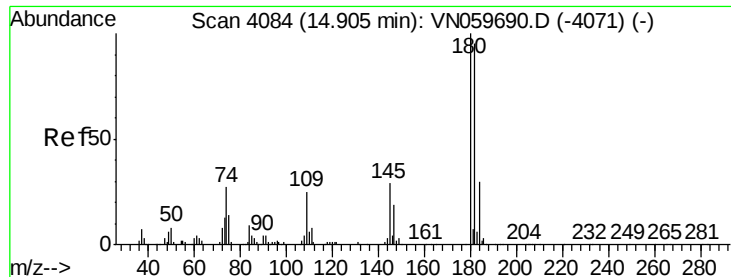
Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

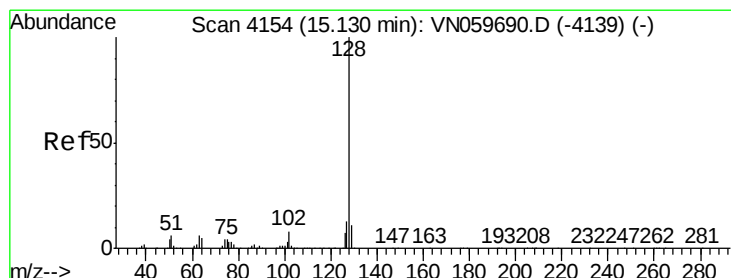
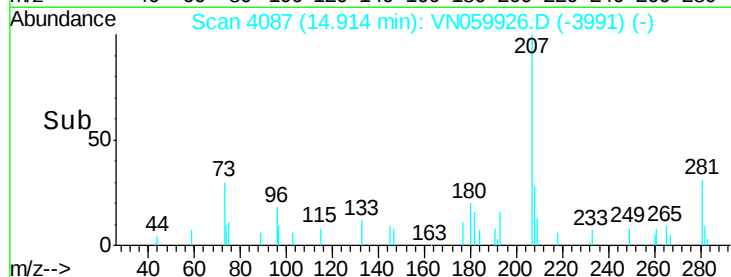
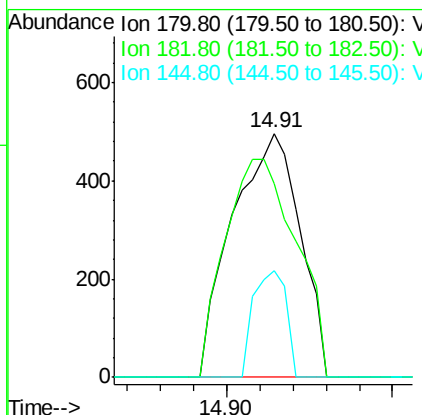
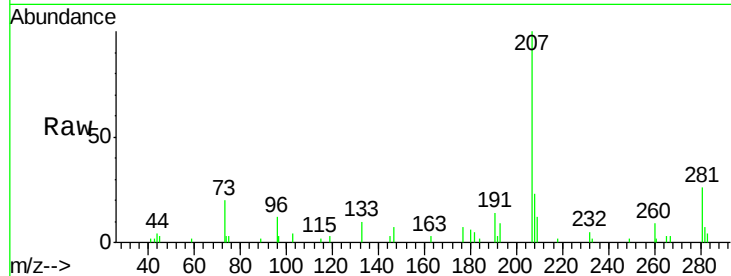




#93
 1,2,4-Trichlorobenzene
 Concen: 0.319 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

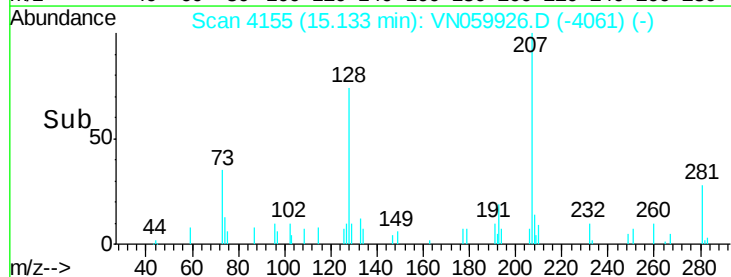
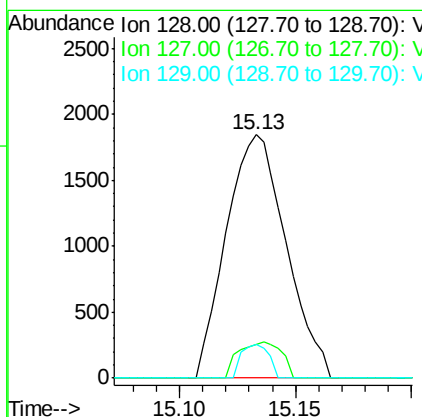
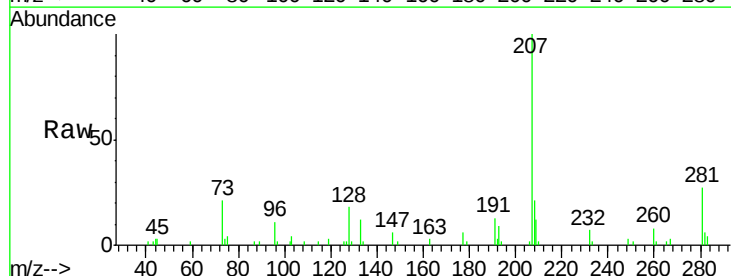
Instrument :
 MSVOA_N
 ClientSampleId :

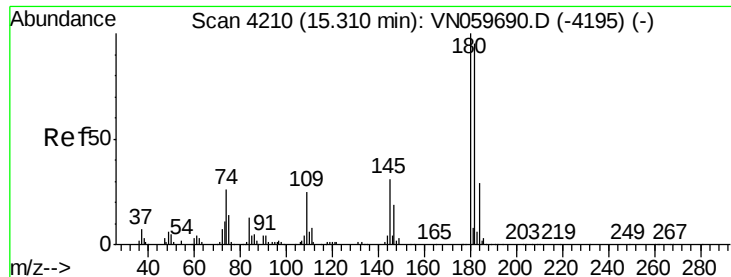
Tot Ion:180 Resp: 706
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.9 140.7
 145 21.0 15.0 45.1



#95
 Naphthalene
 Concen: 0.525 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

Tgt Ion:128 Resp: 3305
 Ion Ratio Lower Upper
 128 100
 127 10.6 10.4 15.6
 129 6.4 8.6 12.8#

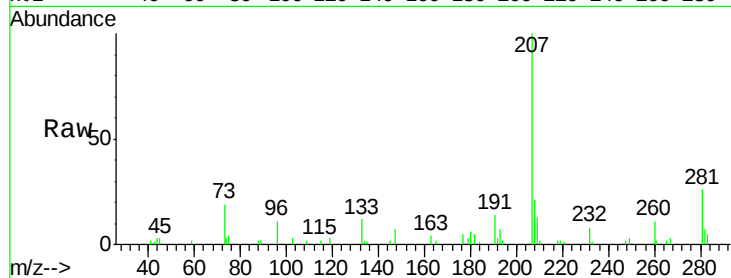




#96
 1,2,3-Trichlorobenzene
 Concen: 0.536 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN059926.D
 Acq: 30 Jan 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.4	142.3
145	9.6	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

