

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060359.D
 Acq On : 5 Mar 2020 11:46
 Operator : JC/MD
 Sample : VN0305WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBL01

Quant Time: Mar 06 00:42:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123495	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	132096	52.62	ug/l	0.00
Spiked Amount						
			Recovery	=	105.24%	
35) Dibromofluoromethane	7.56	113	93001	61.15	ug/l	0.00
Spiked Amount						
			Recovery	=	122.30%	
50) Toluene-d8	10.08	98	374100	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	130432	44.70	ug/l	0.00
Spiked Amount						
			Recovery	=	89.40%	

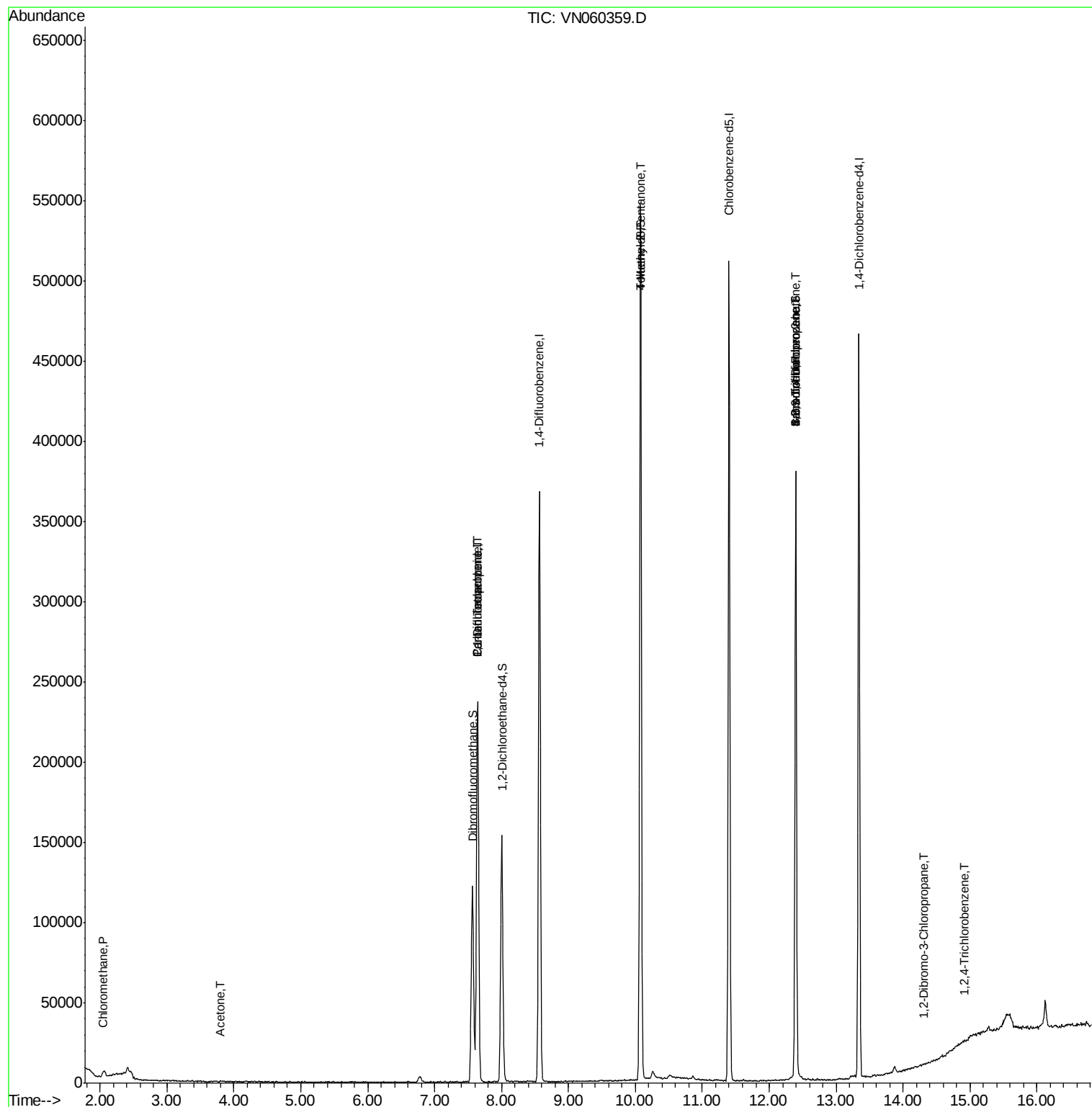
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1075	0.344	ug/l #	88
16) Acetone	3.79	43	365	0.450	ug/l #	44
17) Carbon Disulfide	4.03	76	239	Below Cal	#	75
31) Cyclohexane	7.64	56	4155	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15070	4.826	ug/l #	48
38) Carbon Tetrachloride	7.64	117	18124	5.961	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1774	0.604	ug/l #	1
71) Bromoform	12.40	173	394	0.253	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	65711	24.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	65711	66.947	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	103	Below Cal	#	75
88) 1,4-Dichlorobenzene	13.36	146	264	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.32	75	128	0.227	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.90	180	317	0.215	ug/l #	58
95) Naphthalene	15.13	128	963	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.32	180	320	Below Cal	#	43

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

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 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: VN060359.D

Acq: 5 Mar 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

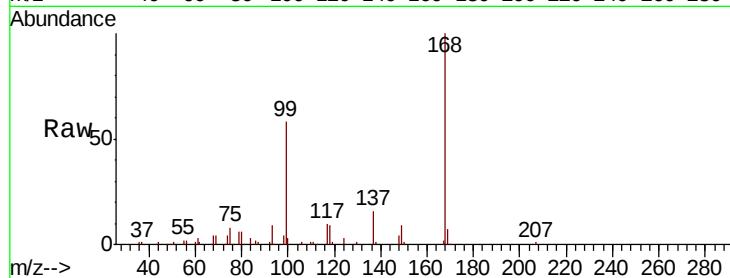
VN0305WBL01

Tot Ion:168 Resp: 195653

Ion Ratio Lower Upper

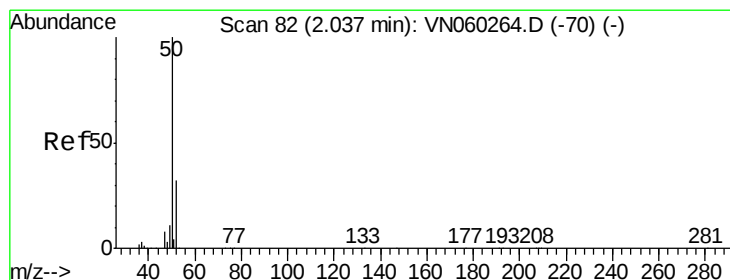
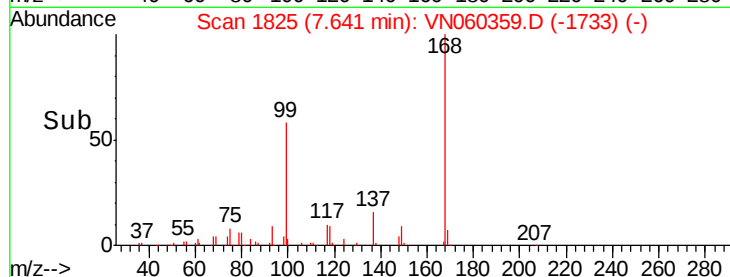
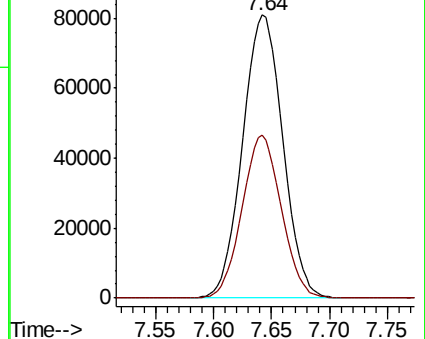
168 100

99 57.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060264.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060264.D (-1806) (-)



#3

Chloromethane

Concen: 0.344 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060359.D

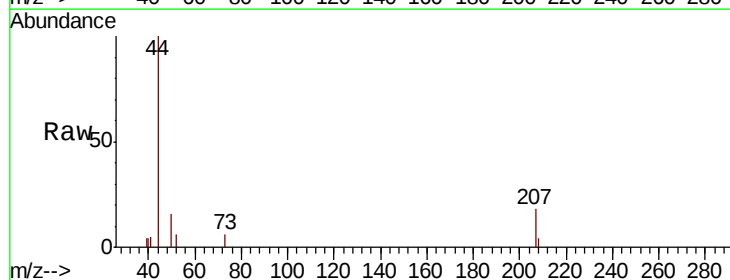
Acq: 5 Mar 2020 11:46

Tgt Ion: 50 Resp: 1075

Ion Ratio Lower Upper

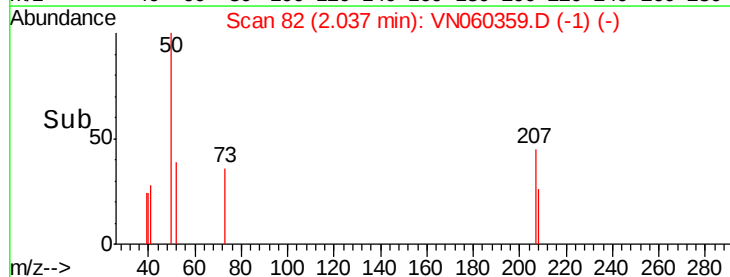
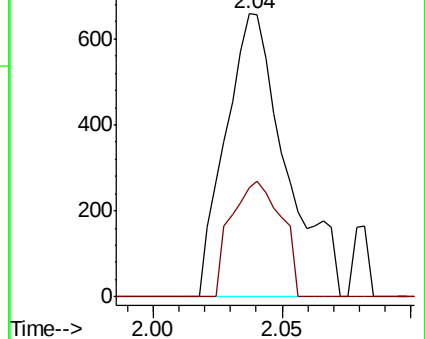
50 100

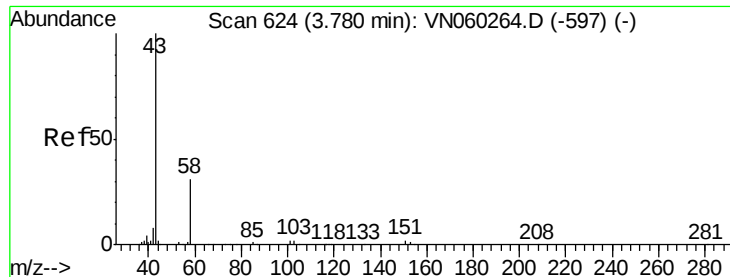
52 38.8 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN060264.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060264.D (-70) (-)





#16

Acetone

Concen: 0.450 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

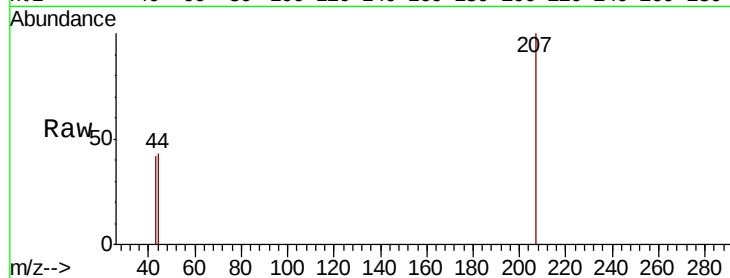
VN0305WBL01

Tot Ion: 43 Resp: 365

Ion Ratio Lower Upper

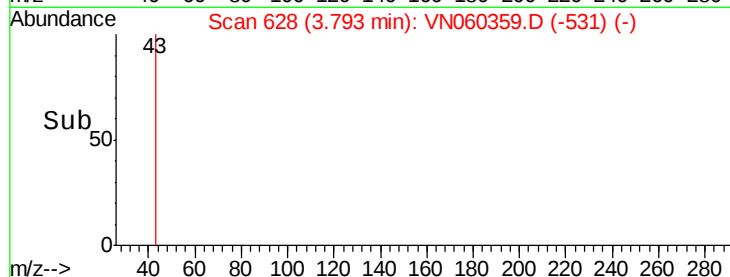
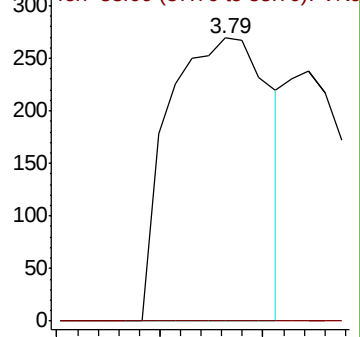
43 100

58 0.0 24.6 36.8#

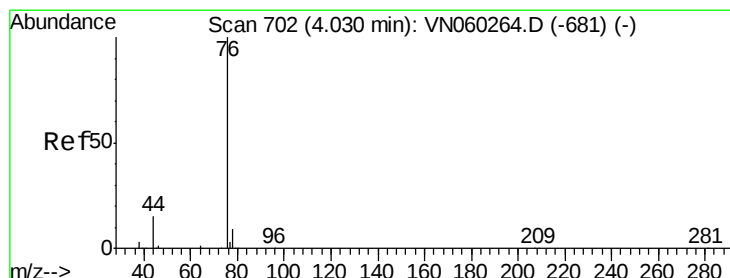


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.76 3.78 3.80



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060359.D

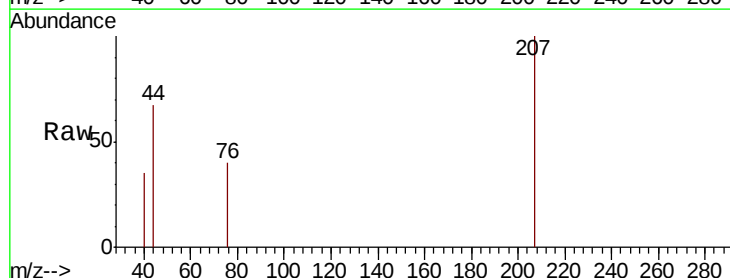
Acq: 5 Mar 2020 11:46

Tgt Ion: 76 Resp: 239

Ion Ratio Lower Upper

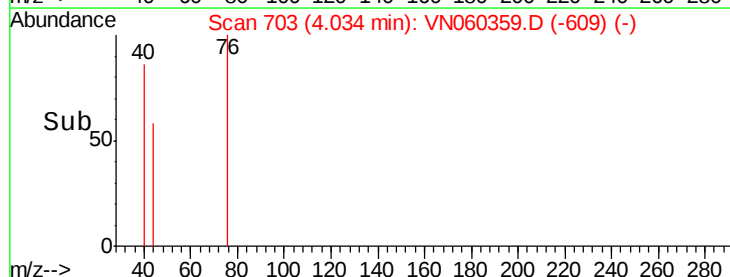
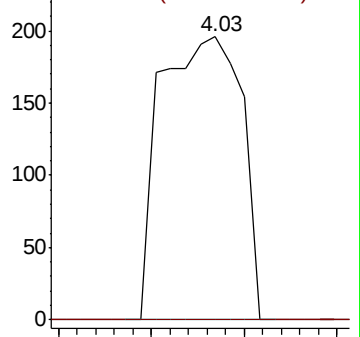
76 100

78 0.0 7.4 11.0#

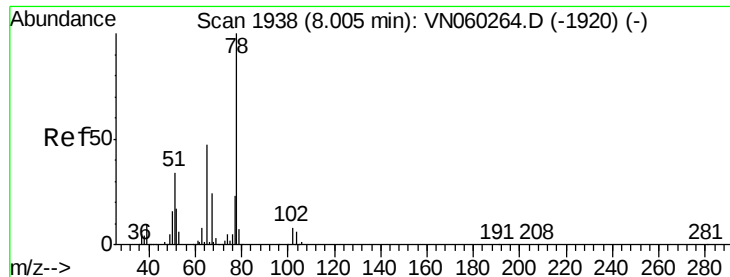


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



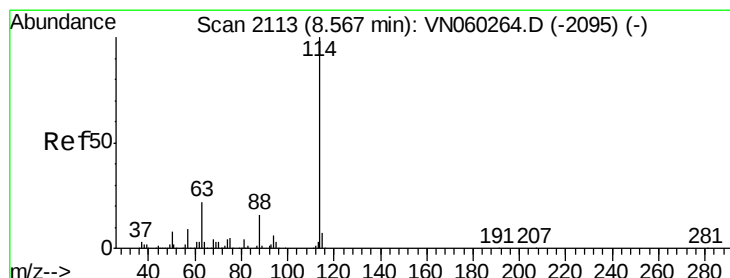
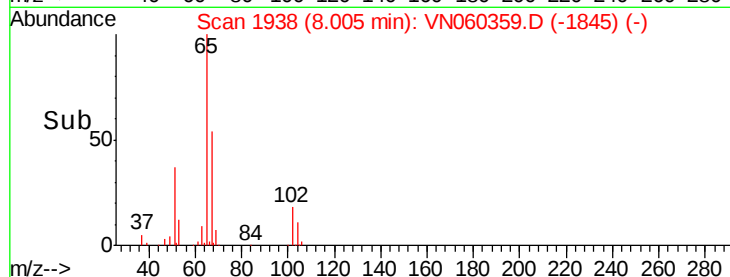
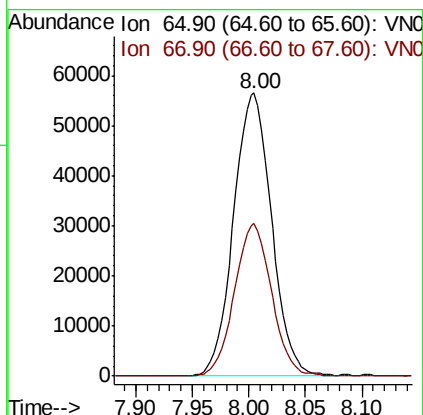
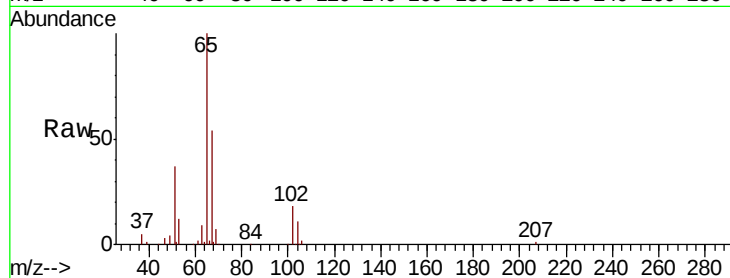
Time--> 4.00 4.02 4.04



#33
 1,2-Dichloroethane-d4
 Concen: 52.623 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060359.D
 Acq: 5 Mar 2020 11:46

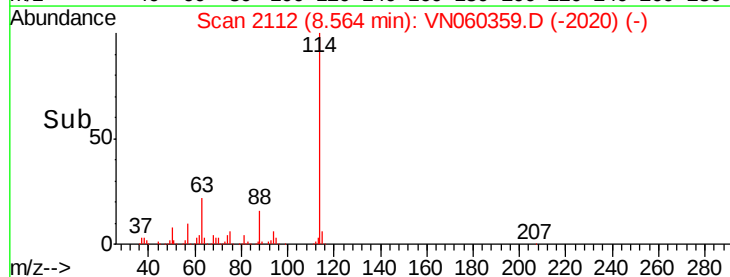
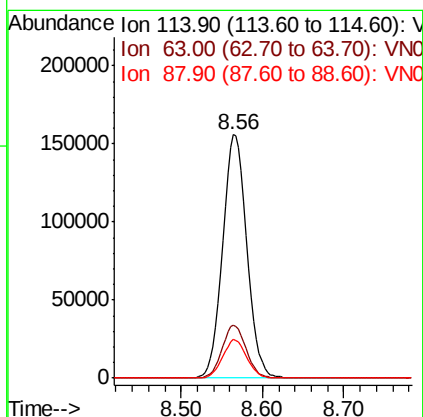
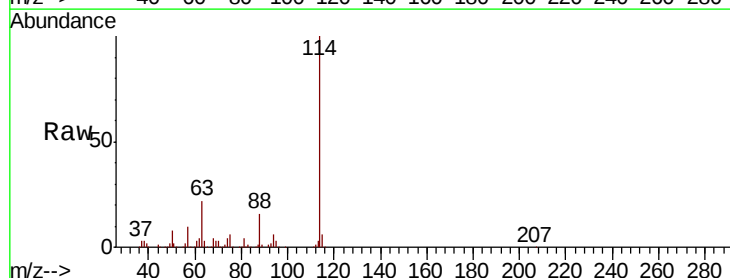
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBL01

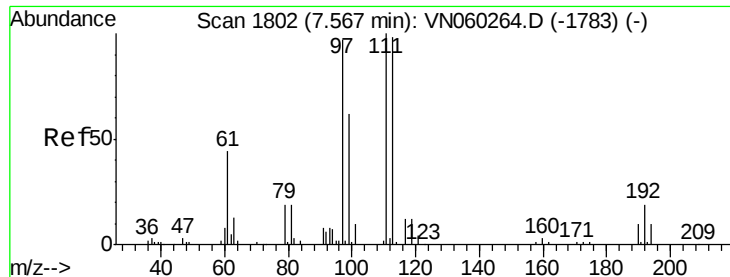
Tot Ion: 65 Resp: 132096
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060359.D
 Acq: 5 Mar 2020 11:46

Tgt Ion: 114 Resp: 327660
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 61.149 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0305WBL01

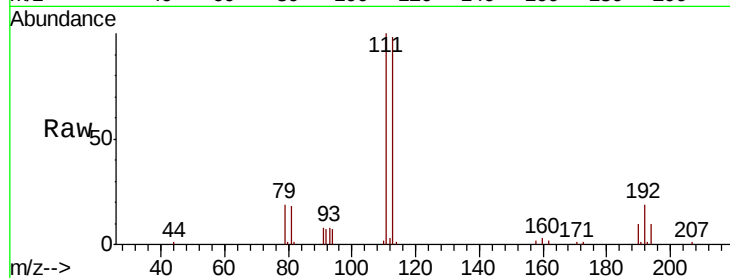
Tot Ion:113 Resp: 93001

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

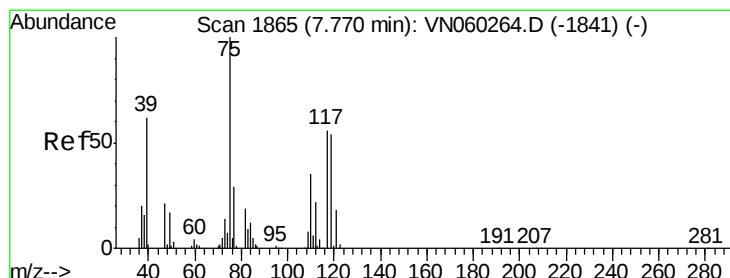
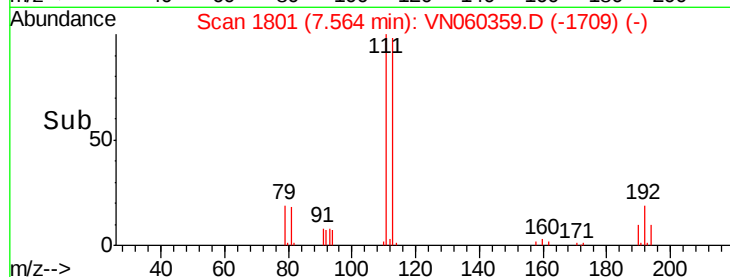
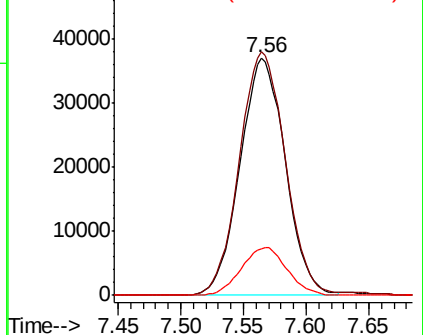
192 20.3 16.2 24.2



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: 4.826 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

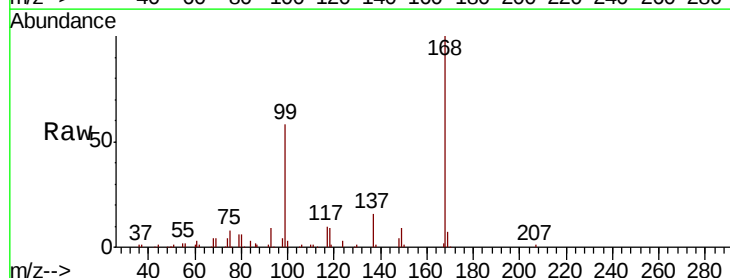
Tgt Ion: 75 Resp: 15070

Ion Ratio Lower Upper

75 100

110 6.9 17.3 52.0#

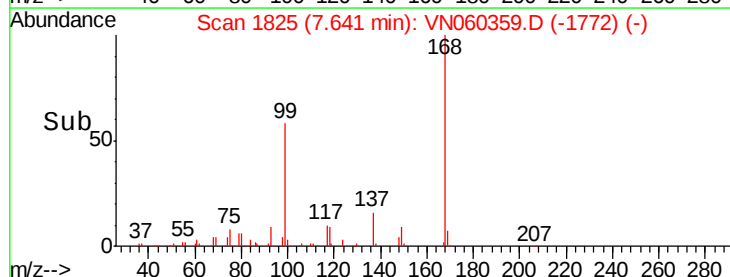
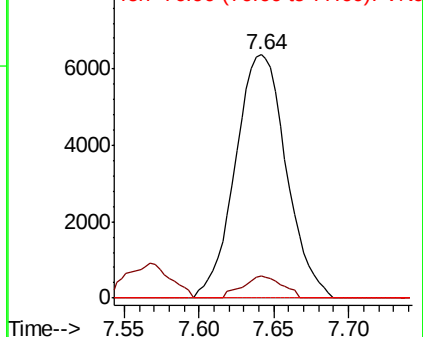
77 0.0 24.2 36.2#

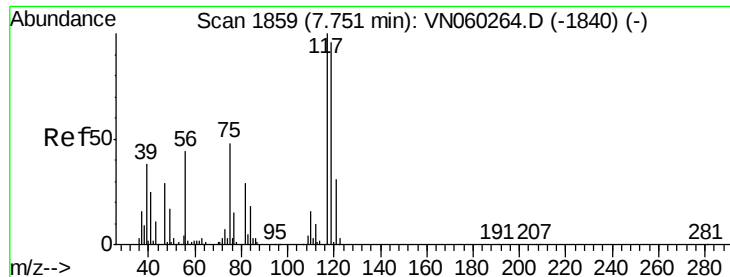


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

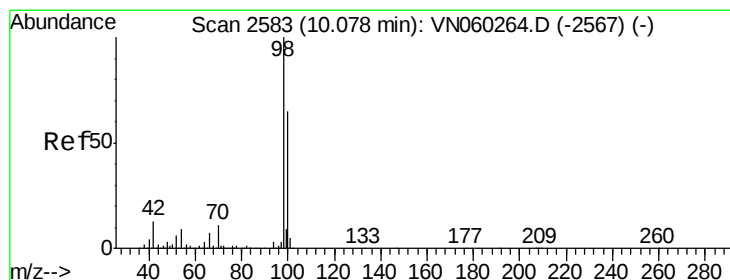
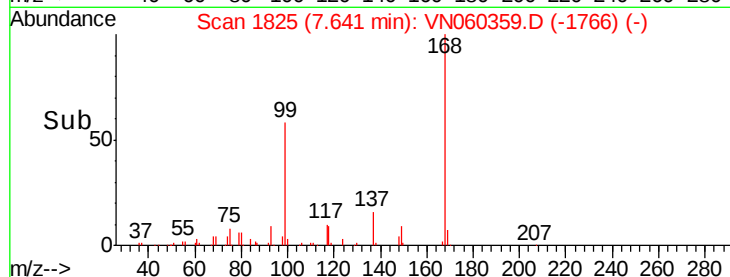
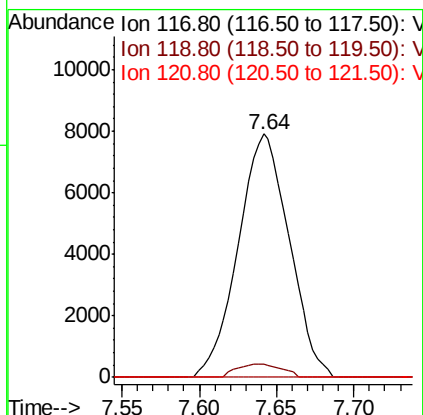
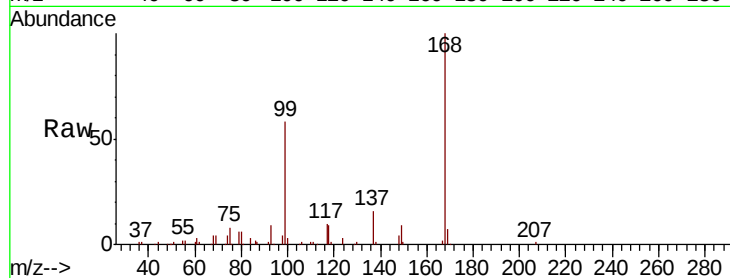




#38
Carbon Tetrachloride
Concen: 5.961 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060359.D
Acq: 5 Mar 2020 11:46

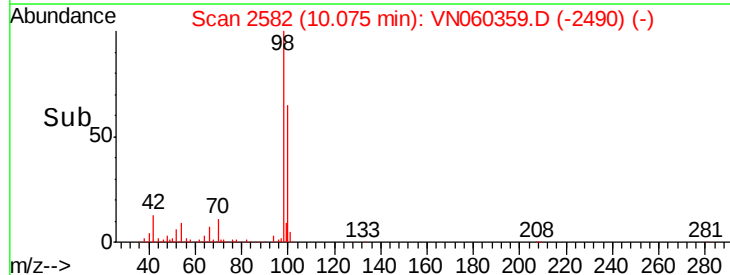
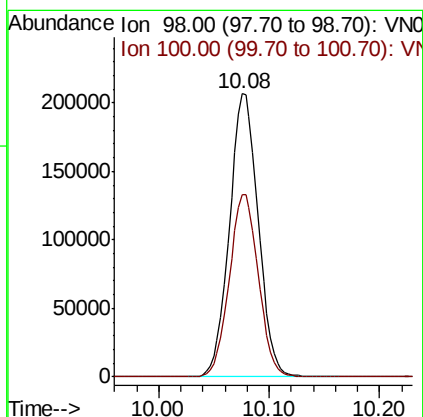
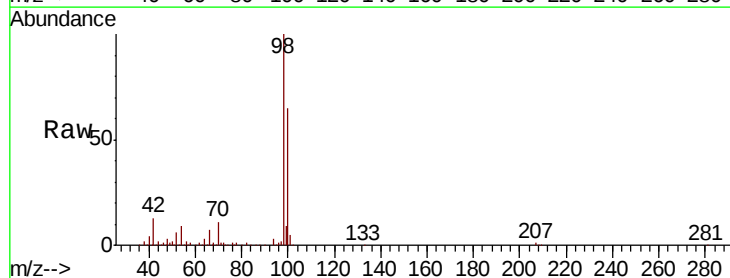
Instrument :
MSVOA_N
ClientSampled :
VN0305WBL01

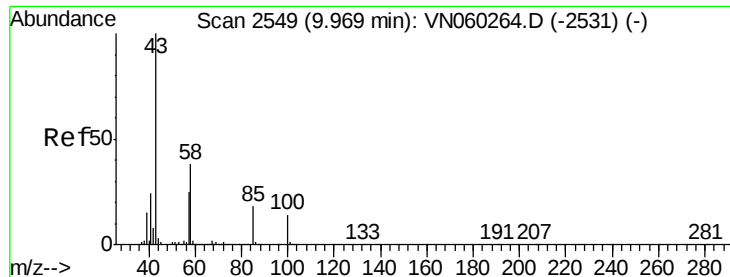
Tot Ion:117 Resp: 18124
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.601 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060359.D
Acq: 5 Mar 2020 11:46

Tgt Ion: 98 Resp: 374100
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.604 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

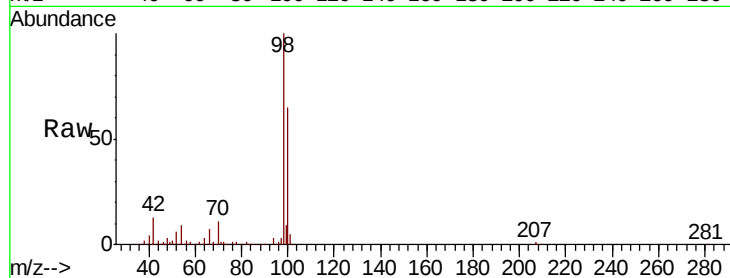
VN0305WBL01

Tot Ion: 43 Resp: 1774

Ion Ratio Lower Upper

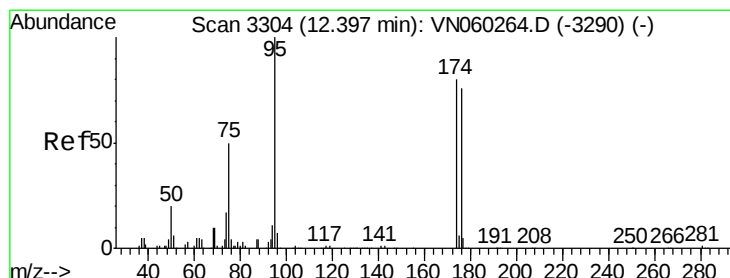
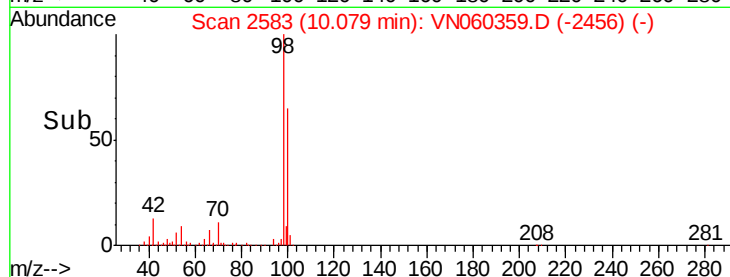
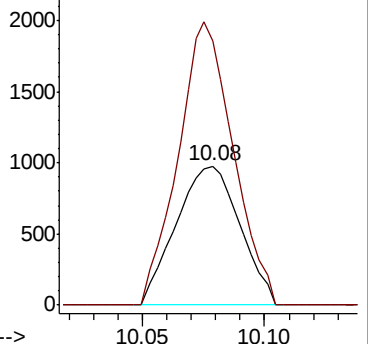
43 100

58 175.4 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)



#62

4-Bromofluorobenzene

Concen: 44.701 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

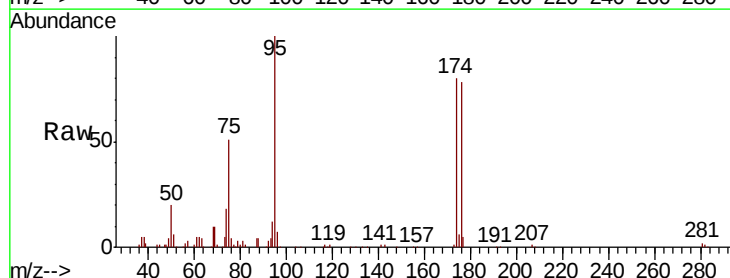
Tgt Ion: 95 Resp: 130432

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.2

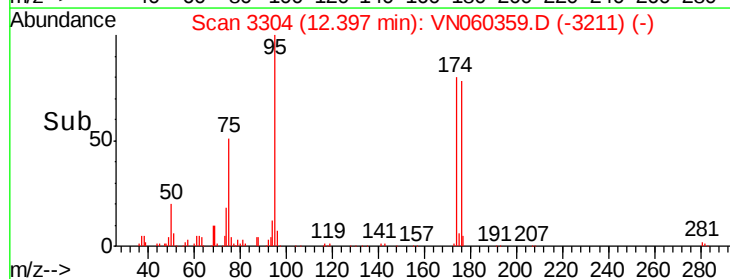
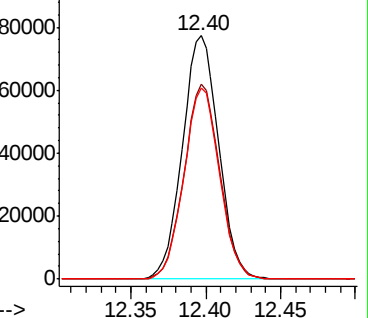
176 77.0 0.0 153.8

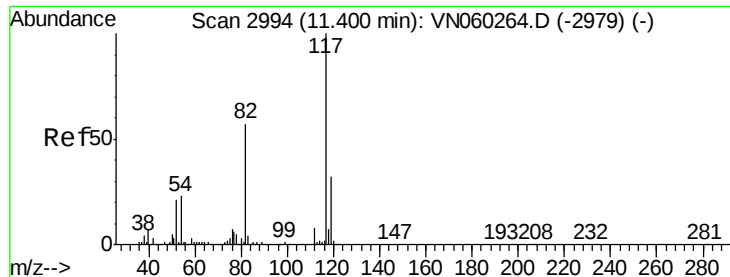


Abundance Ion 94.90 (94.60 to 95.60): VN060264.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060264.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060264.D (-3290) (-)

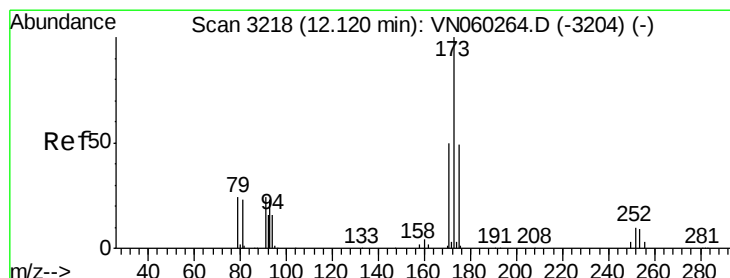
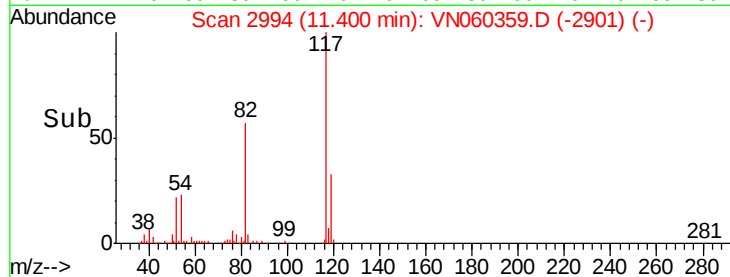
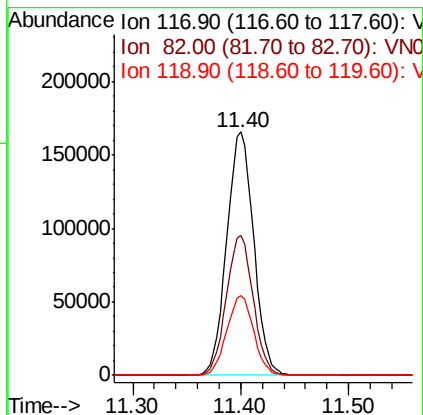
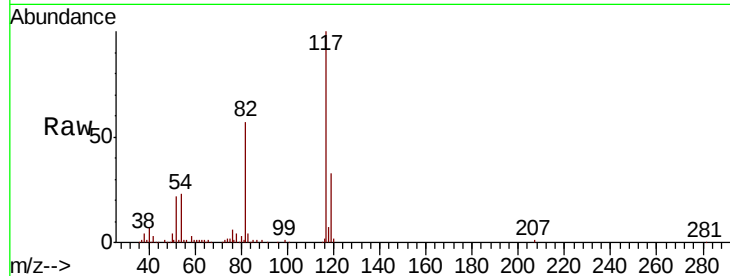




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060359.D
Acq: 5 Mar 2020 11:46

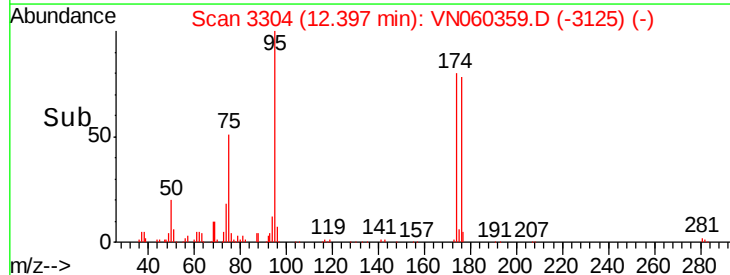
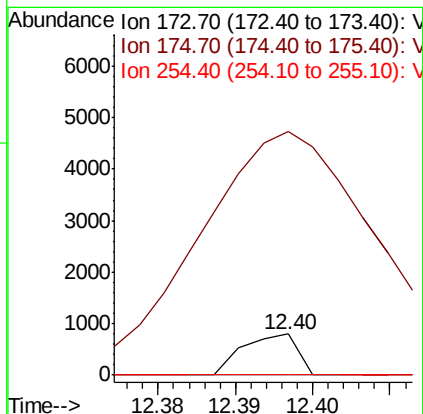
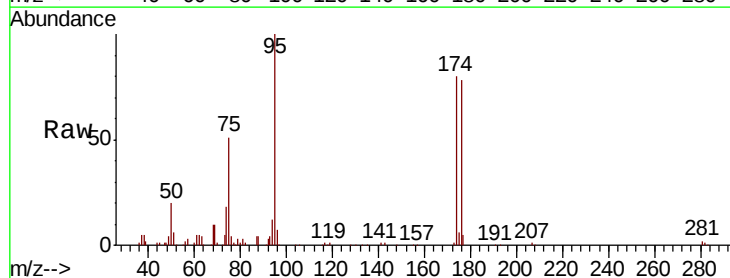
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

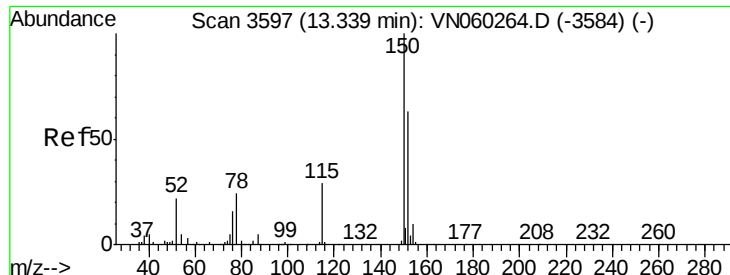
Tot Ion:117 Resp: 289096
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.5 25.8 38.8



#71
Bromoform
Concen: 0.253 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060359.D
Acq: 5 Mar 2020 11:46

Tgt Ion:173 Resp: 394
Ion Ratio Lower Upper
173 100
175 1645.7 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

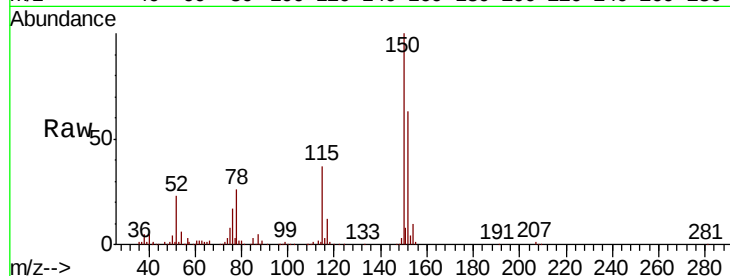
Tot Ion:152 Resp: 123495

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

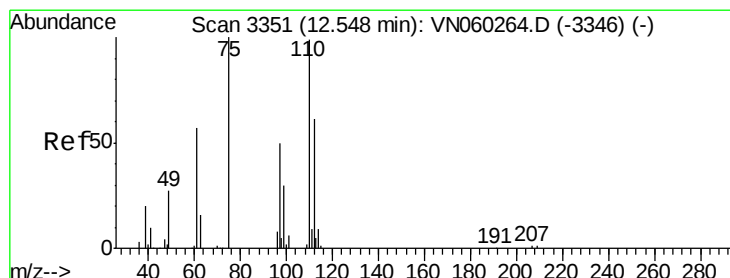
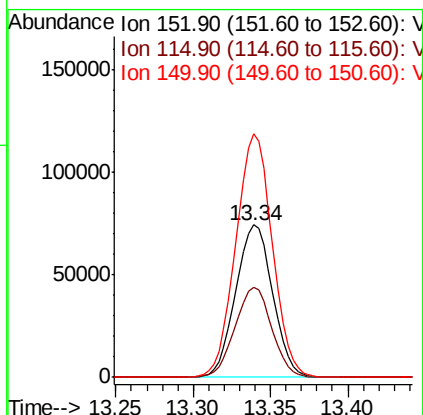
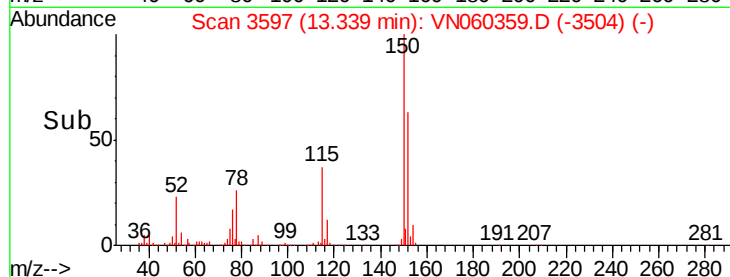
150 157.9 0.0 349.6



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: 24.252 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060359.D

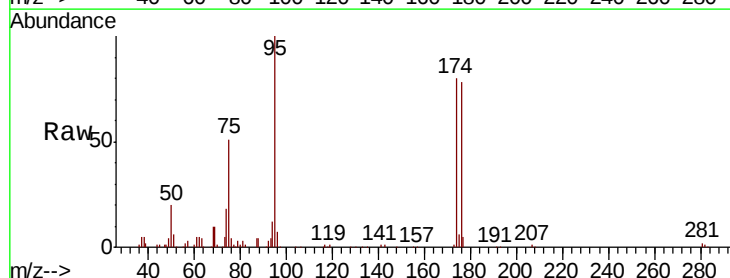
Acq: 5 Mar 2020 11:46

Tgt Ion: 75 Resp: 65711

Ion Ratio Lower Upper

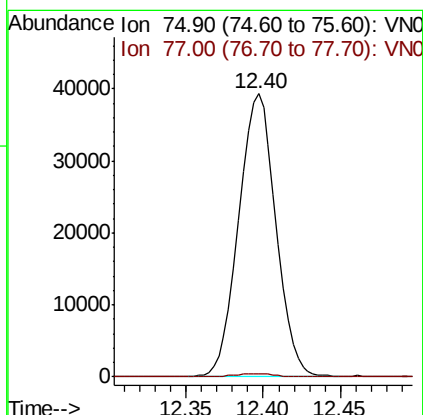
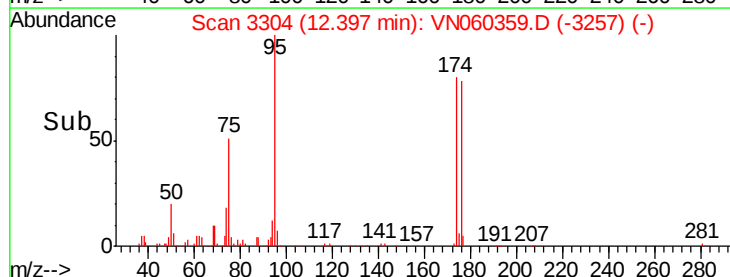
75 100

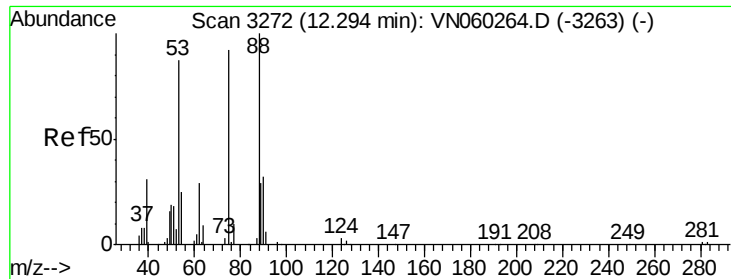
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

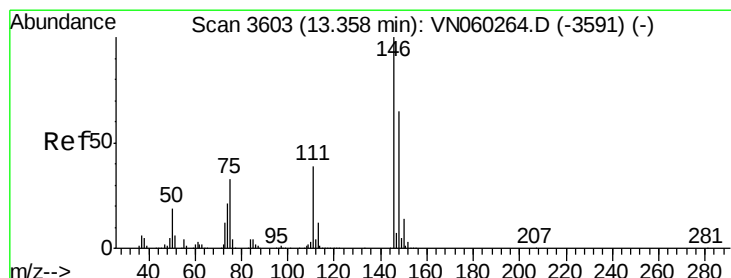
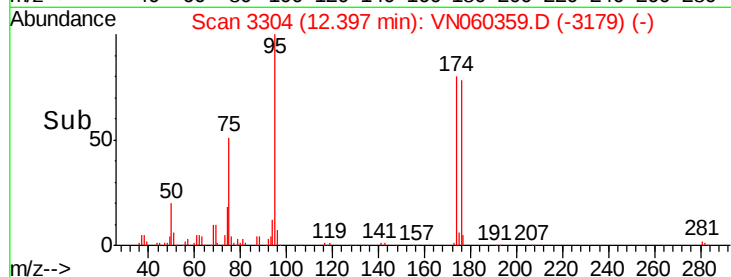
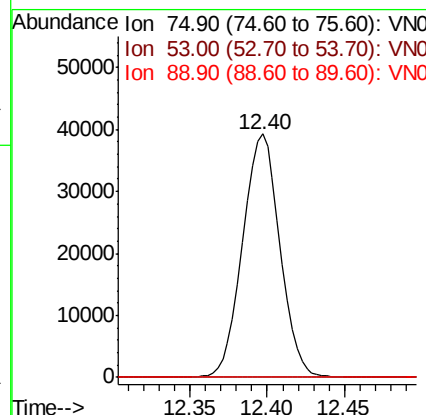
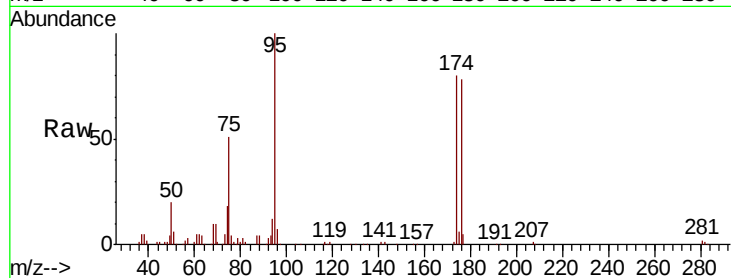




#81
trans-1,4-Dichloro-2-butene
Concen: 66.947 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060359.D
Acq: 5 Mar 2020 11:46

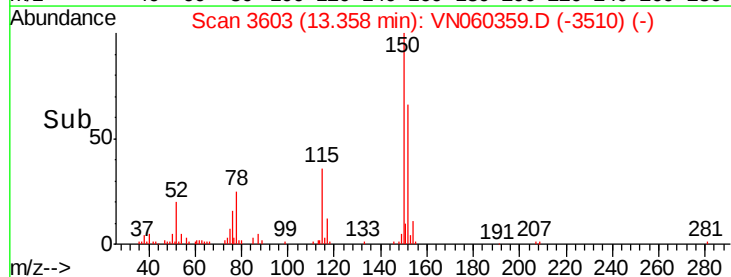
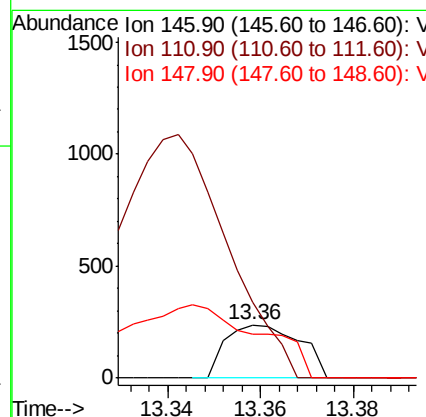
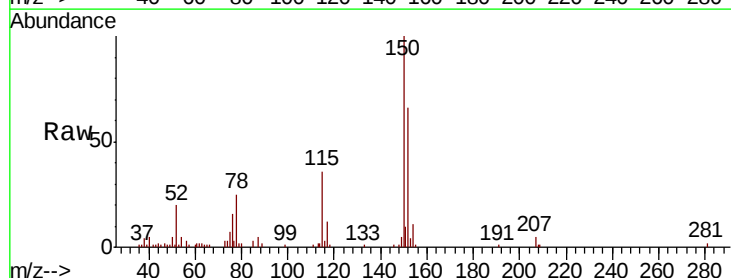
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

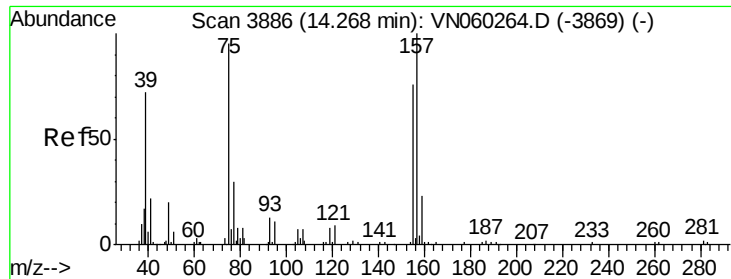
Tot Ion: 75 Resp: 65711
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VN060359.D
Acq: 5 Mar 2020 11:46

Tgt Ion: 146 Resp: 264
Ion Ratio Lower Upper
146 100
111 679.9 19.8 59.4#
148 240.9 32.3 96.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.227 ug/l

RT: 14.32 min Scan# 3901

Delta R.T. 0.05 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

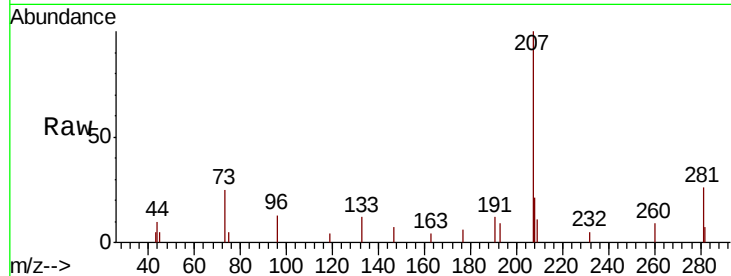
Tot Ion: 75 Resp: 128

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

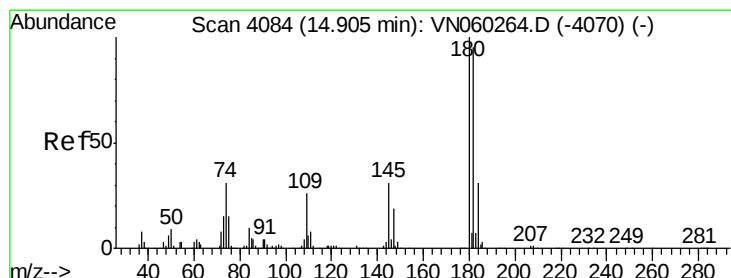
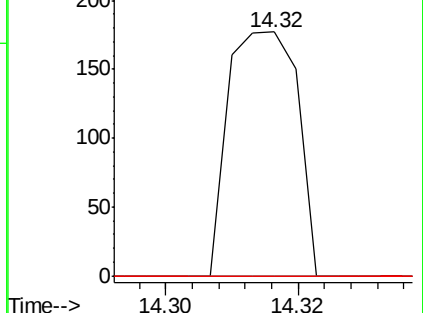
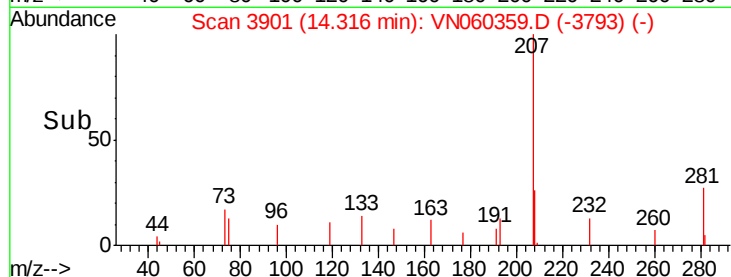
157 0.0 52.5 157.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060359.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN060359.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN060359.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.215 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060359.D

Acq: 5 Mar 2020 11:46

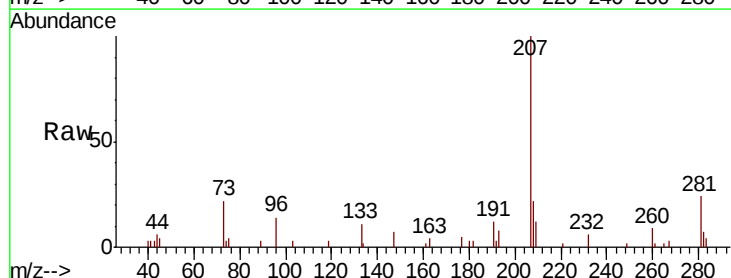
Tgt Ion: 180 Resp: 317

Ion Ratio Lower Upper

180 100

182 58.4 47.8 143.3

145 0.0 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): VN060359.D (-3990) (-)

Ion 181.80 (181.50 to 182.50): VN060359.D (-3990) (-)

Ion 144.80 (144.50 to 145.50): VN060359.D (-3990) (-)

