

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060372.D
 Acq On : 6 Mar 2020 11:41
 Operator : JC/MD
 Sample : VN0306WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:53:44 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	195472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123513	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	136405	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
35) Dibromofluoromethane	7.56	113	96637	64.40	ug/l	0.00
Spiked Amount			Recovery	=	128.80%	
50) Toluene-d8	10.08	98	383362	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	132385	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

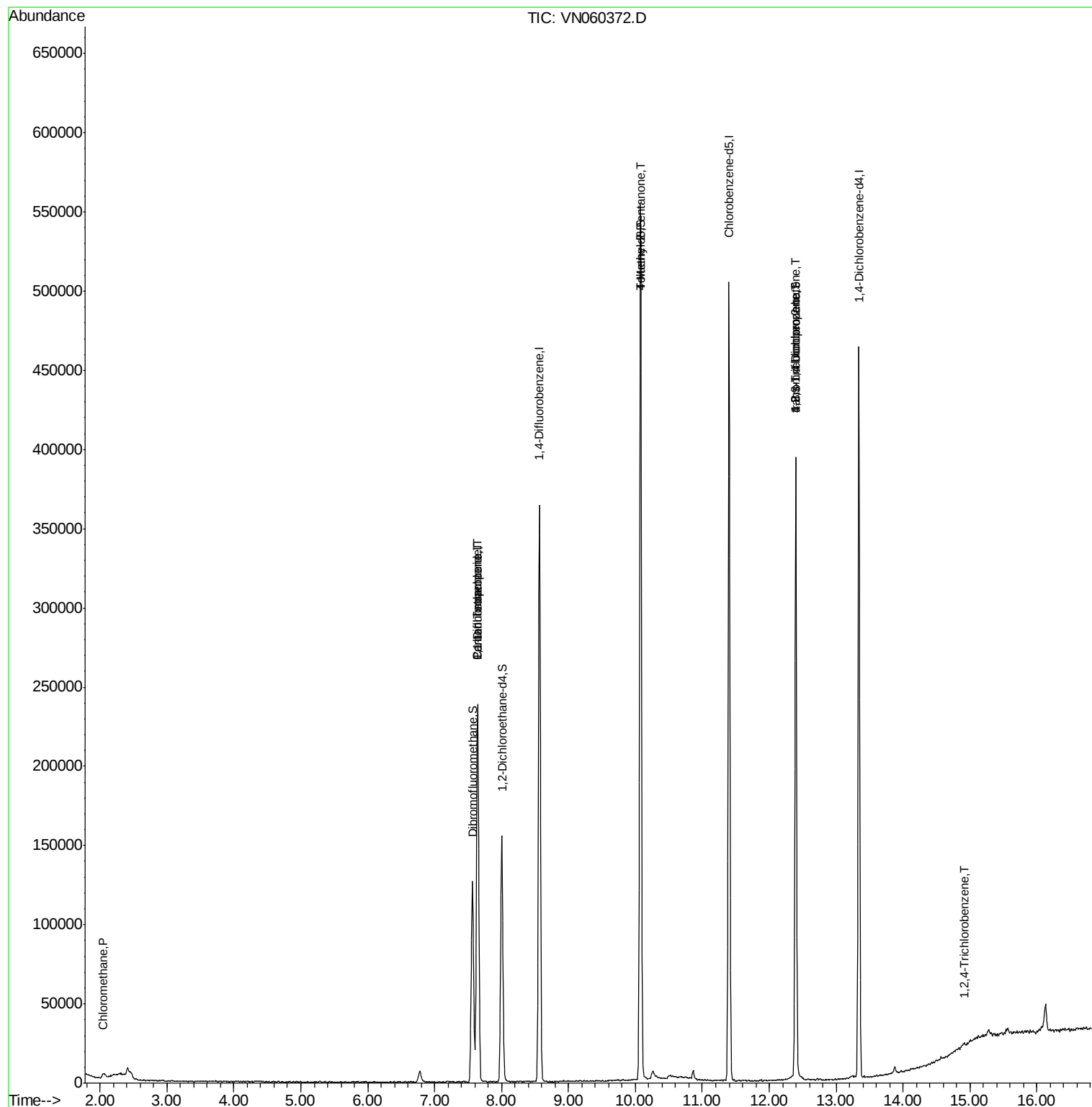
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1013	0.325	ug/l #	79
17) Carbon Disulfide	4.03	76	494	Below Cal	#	75
31) Cyclohexane	7.64	56	4228	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15298	4.966	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18301	6.101	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1747	0.603	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	68666	25.339	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68666	69.948	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	326	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	393	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	363	0.233	ug/l #	73
95) Naphthalene	15.13	128	1478	Below Cal	#	69

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

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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: VN060372.D

Acq: 6 Mar 2020 11:41

Instrument :

MSVOA_N

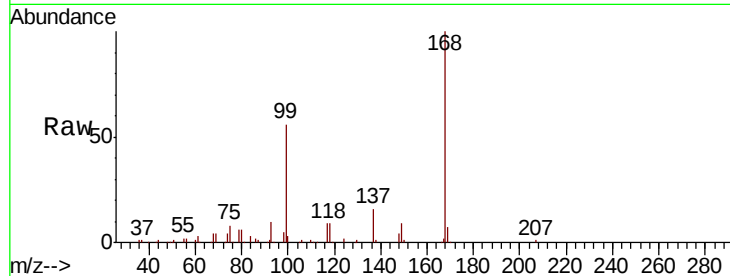
ClientSampleId :

Tot Ion:168 Resp: 195472

Ion Ratio Lower Upper

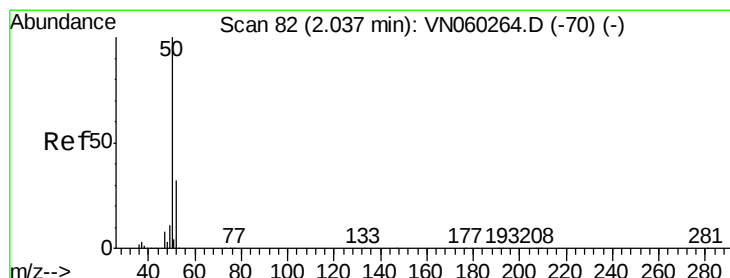
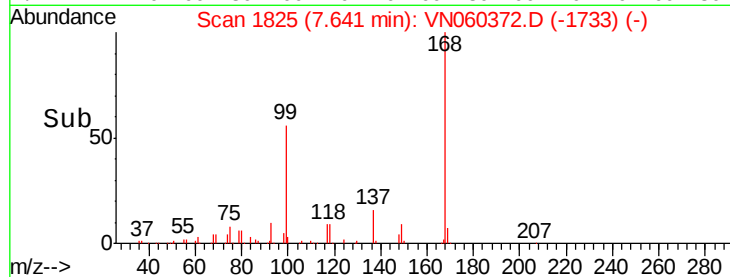
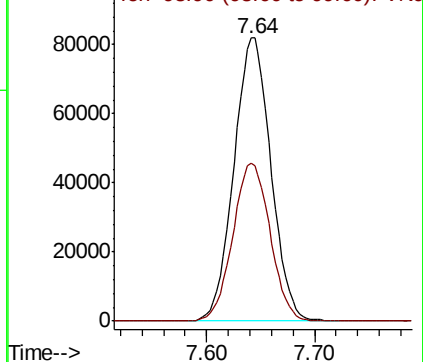
168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.325 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060372.D

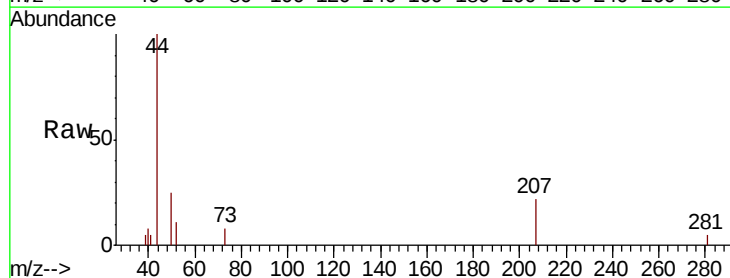
Acq: 6 Mar 2020 11:41

Tgt Ion: 50 Resp: 1013

Ion Ratio Lower Upper

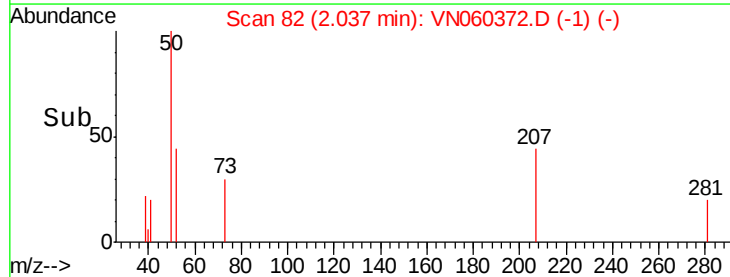
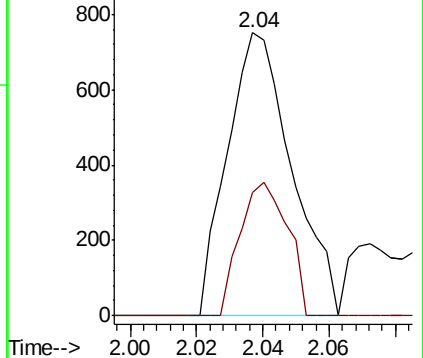
50 100

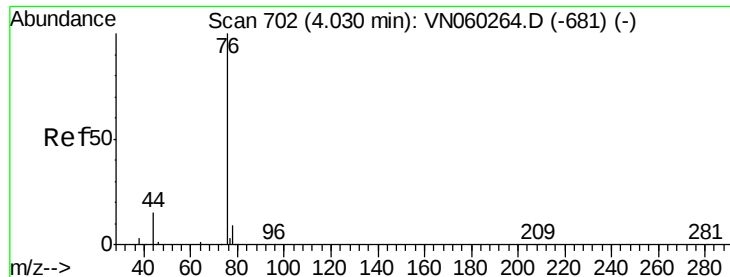
52 43.5 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

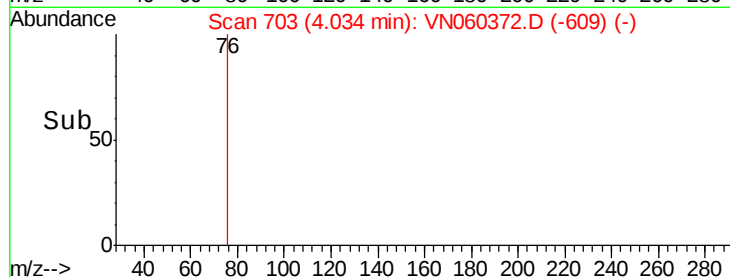
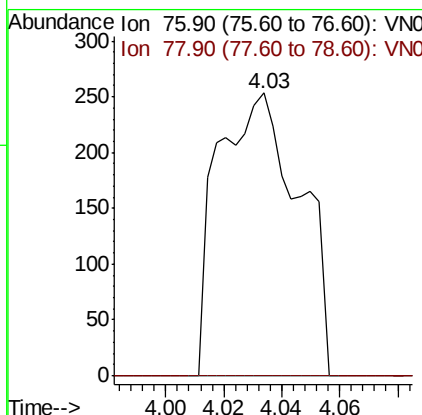
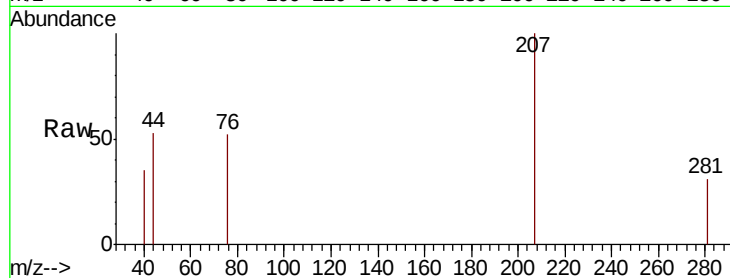




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060372.D
Acq: 6 Mar 2020 11:41

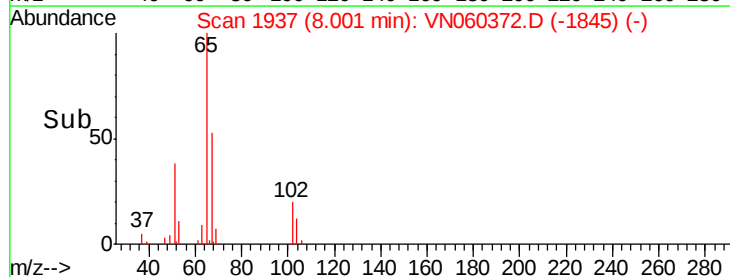
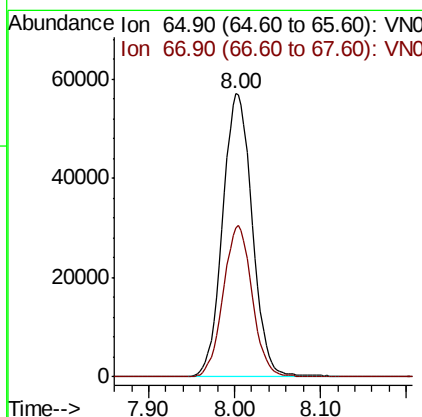
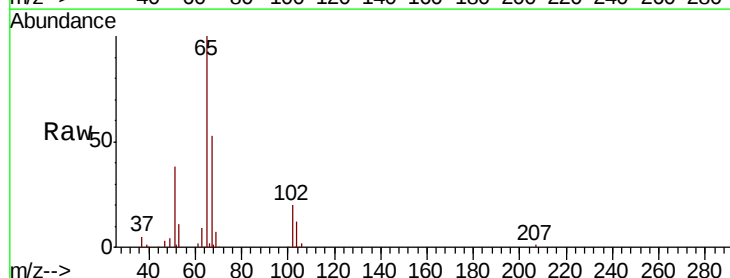
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 494
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#33
1,2-Dichloroethane-d4
Concen: 54.389 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060372.D
Acq: 6 Mar 2020 11:41

Tgt Ion: 65 Resp: 136405
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

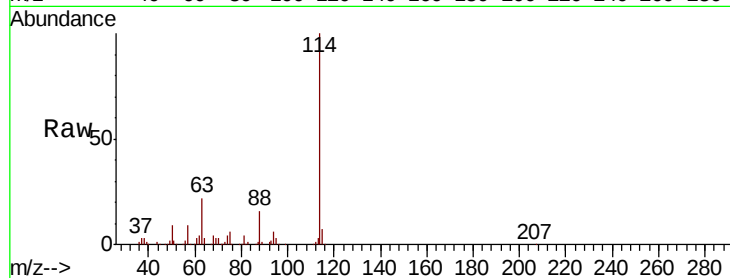
Tot Ion:114 Resp: 323260

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

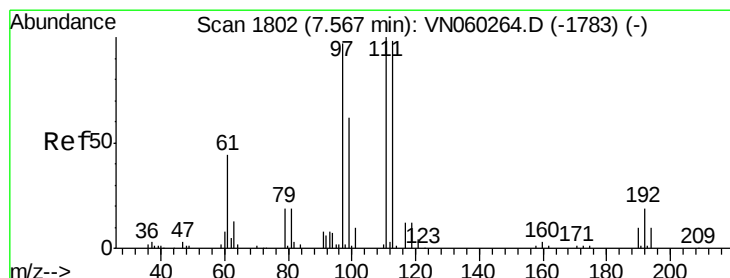
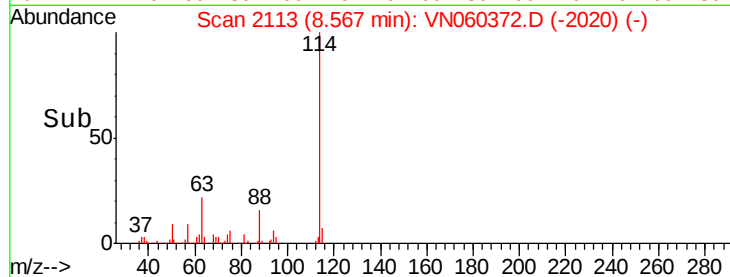
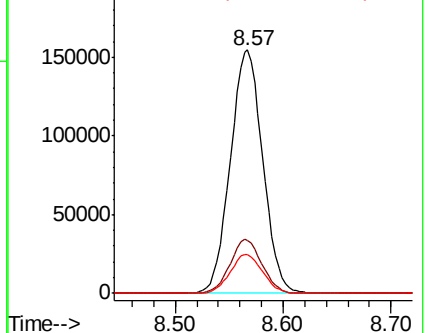
88 16.1 0.0 31.6



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: 64.405 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

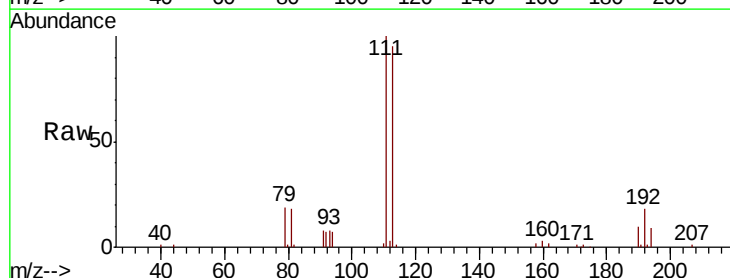
Tgt Ion:113 Resp: 96637

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

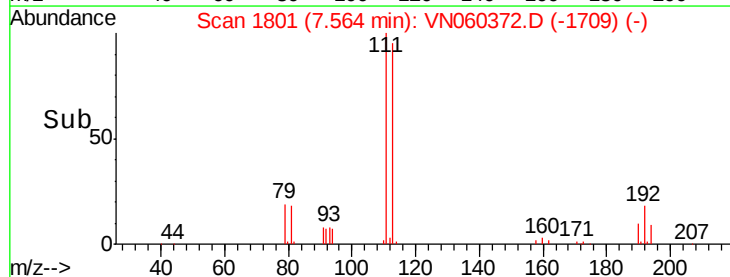
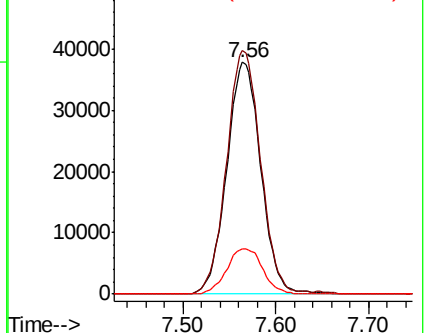
192 20.4 16.2 24.2

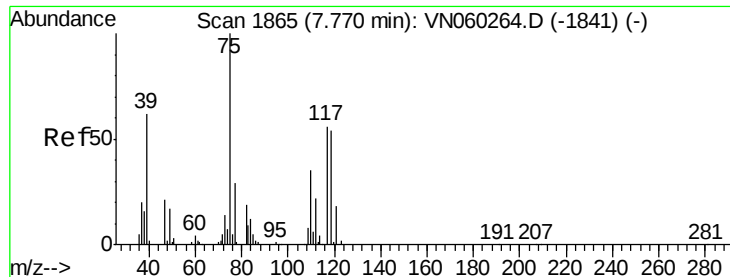


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

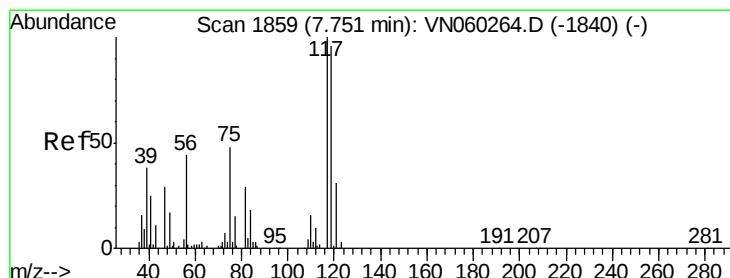
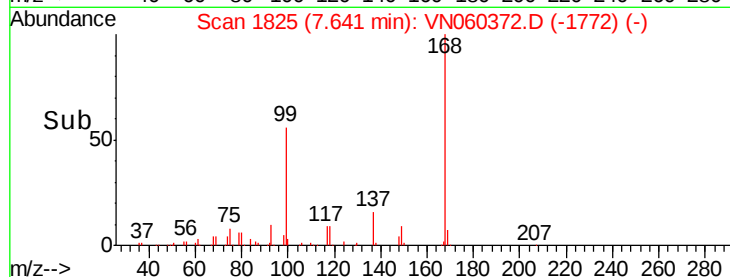
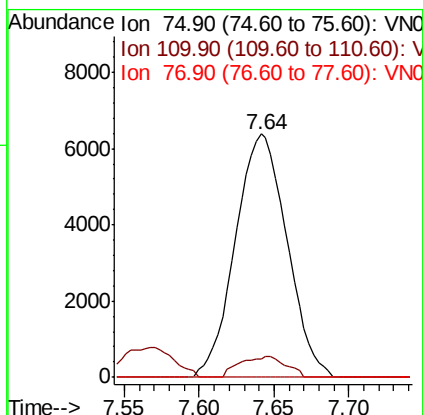
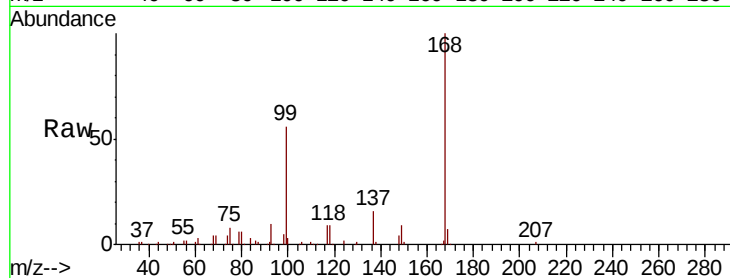




#36
 1,1-Dichloropropene
 Concen: 4.966 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060372.D
 Acq: 6 Mar 2020 11:41

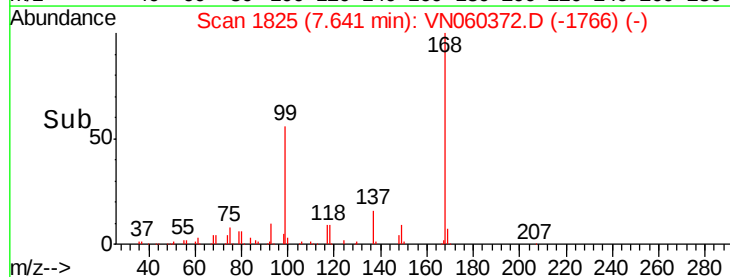
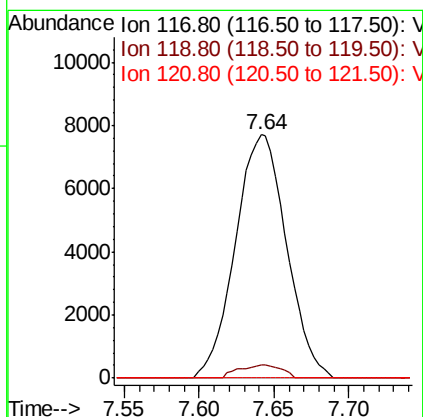
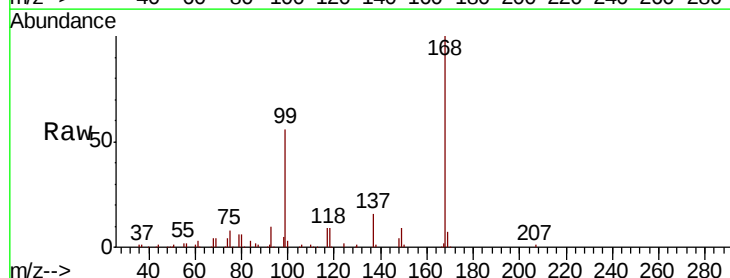
Instrument :
 MSVOA_N
 ClientSampleId :

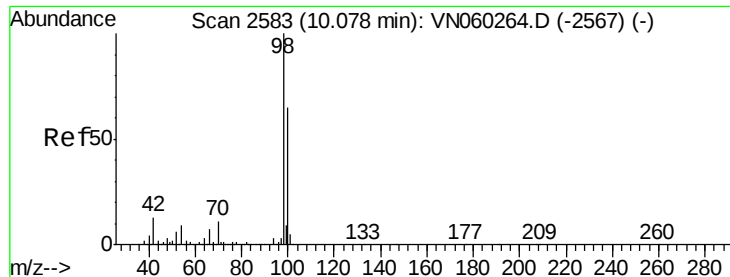
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.101 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060372.D
 Acq: 6 Mar 2020 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 50.482 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

Instrument :

MSVOA_N

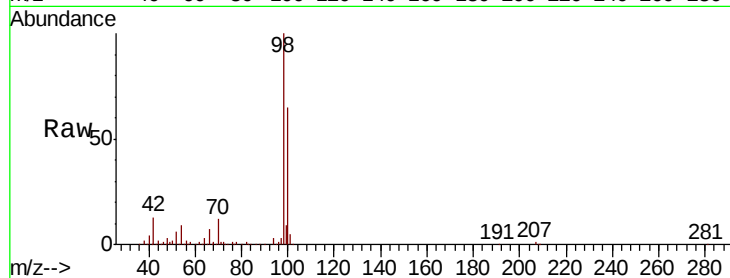
ClientSampled :

Tot Ion: 98 Resp: 383362

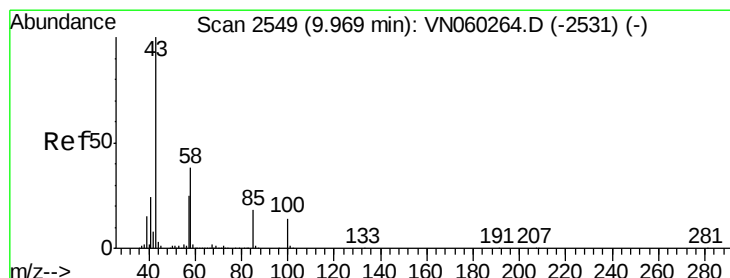
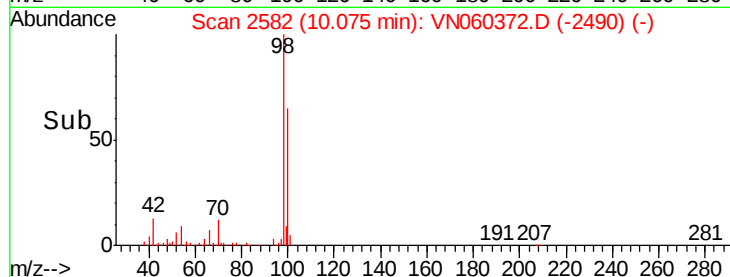
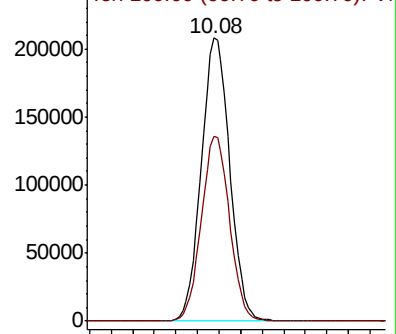
Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060372.D

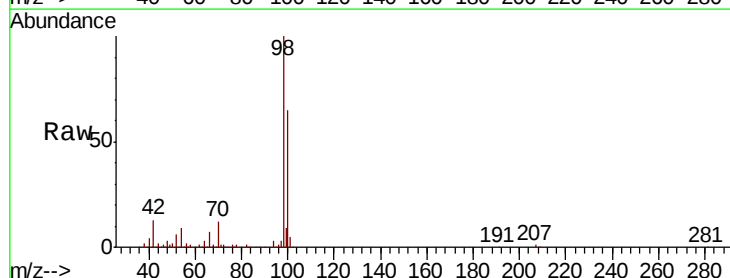
Acq: 6 Mar 2020 11:41

Tgt Ion: 43 Resp: 1747

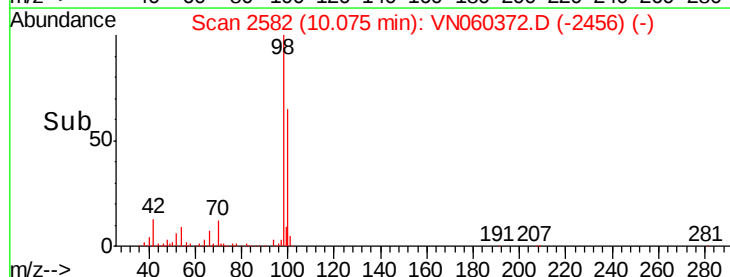
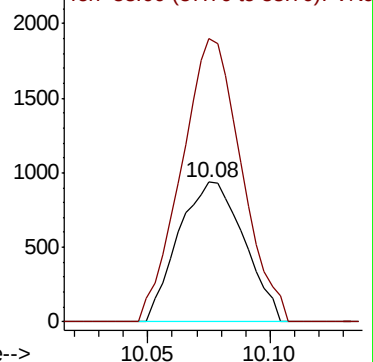
Ion Ratio Lower Upper

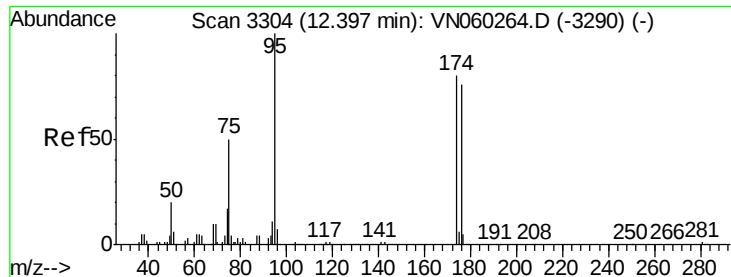
43 100

58 185.3 30.9 46.3#



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





#62

4-Bromofluorobenzene

Concen: 45.987 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

Instrument :

MSVOA_N

ClientSampled :

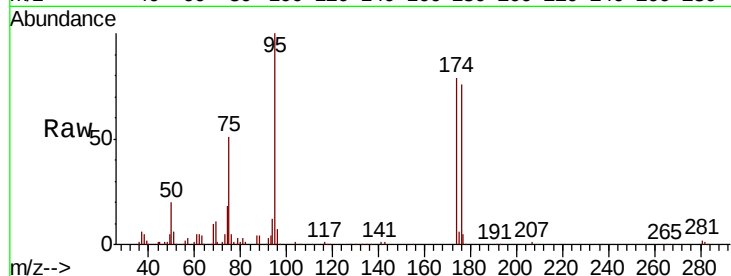
Tot Ion: 95 Resp: 132385

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.2

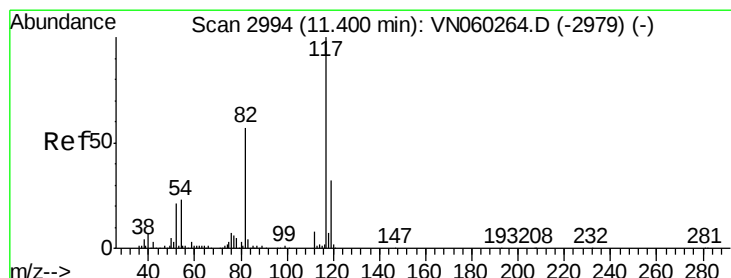
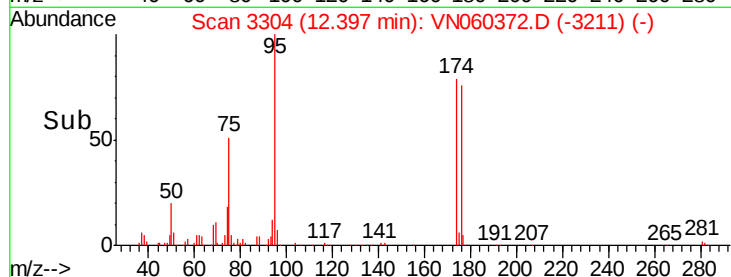
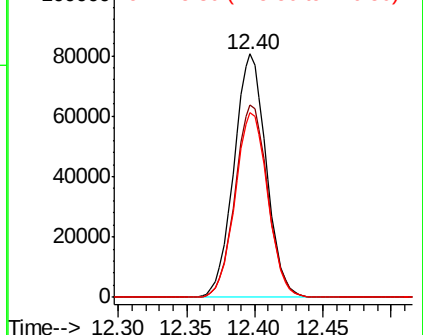
176 76.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

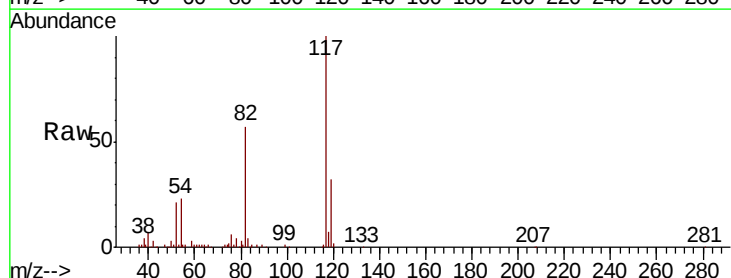
Tgt Ion: 117 Resp: 288832

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.6

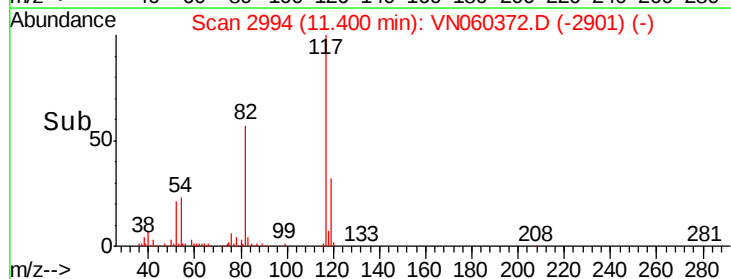
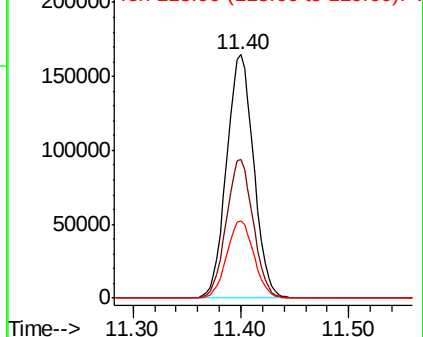
119 31.7 25.8 38.8

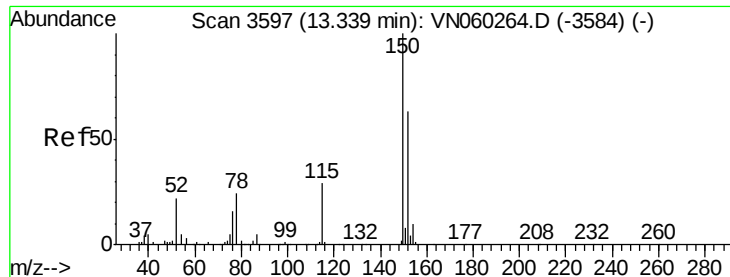


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0



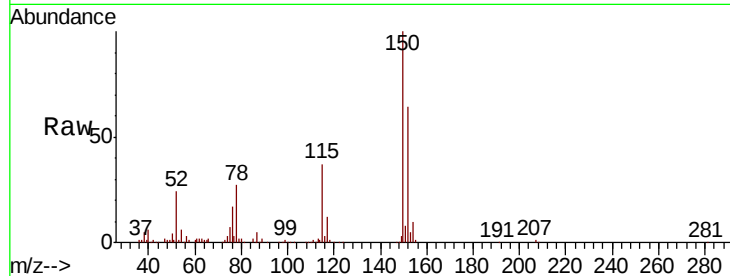


#72

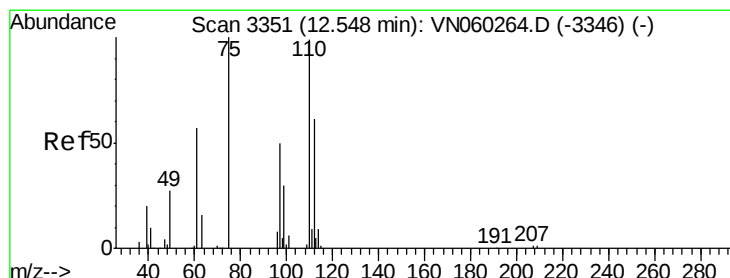
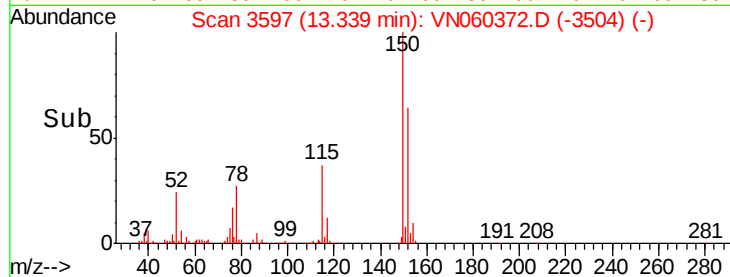
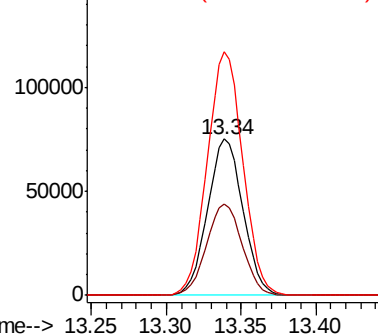
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060372.D
Acq: 6 Mar 2020 11:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.0
150	156.6	0.0	349.6



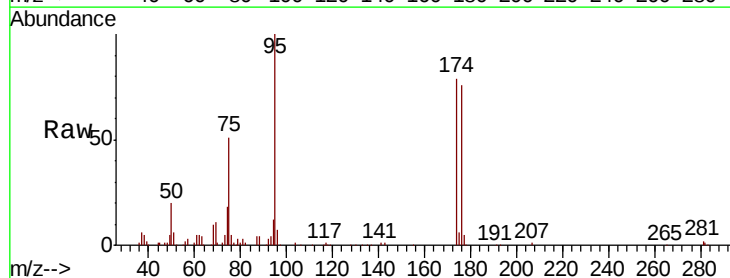
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



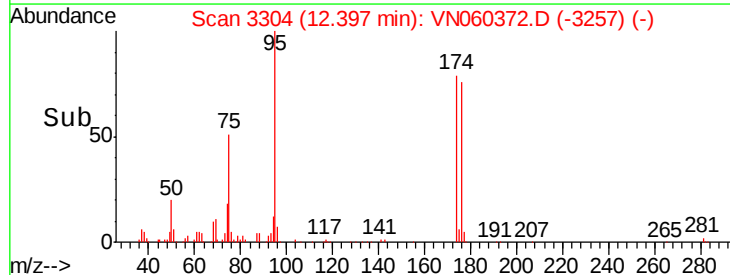
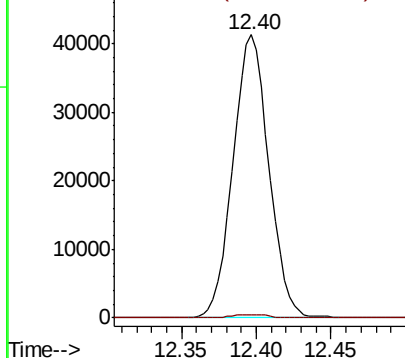
#76

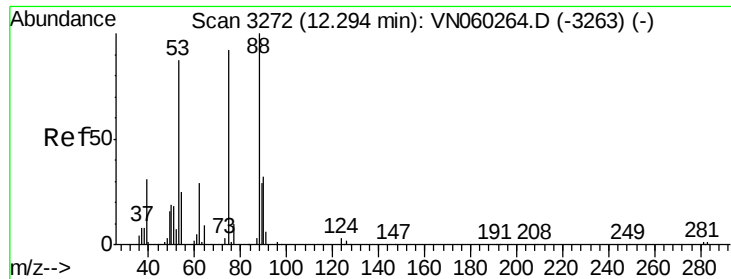
1,2,3-Trichloropropane
Concen: 25.339 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060372.D
Acq: 6 Mar 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 69.948 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

Instrument :

MSVOA_N

ClientSampleId :

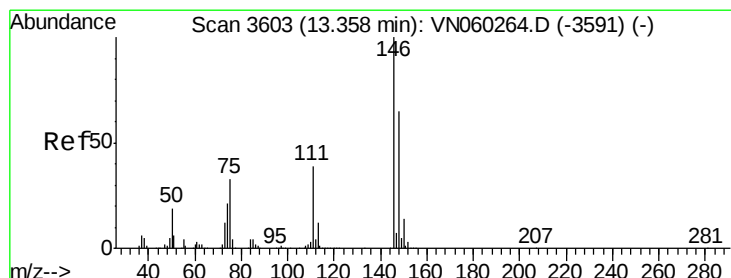
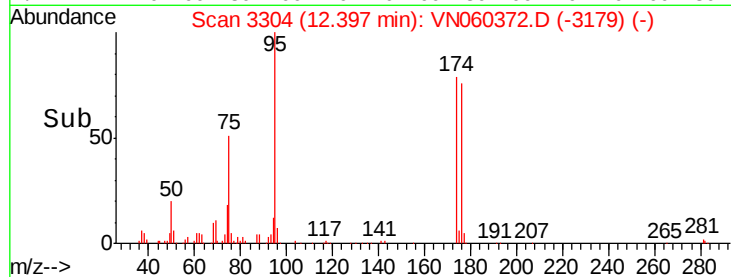
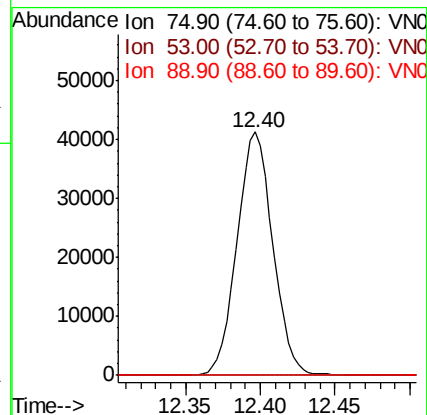
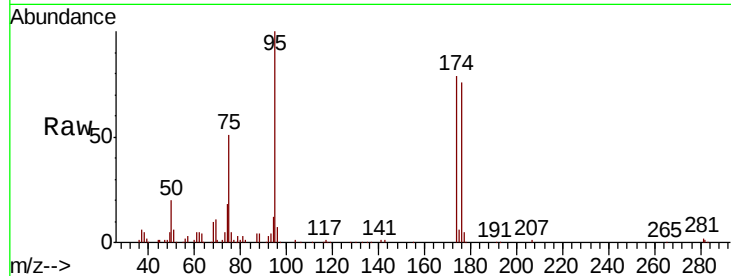
Tot Ion: 75 Resp: 68666

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# 3605

Delta R.T. 0.01 min

Lab File: VN060372.D

Acq: 6 Mar 2020 11:41

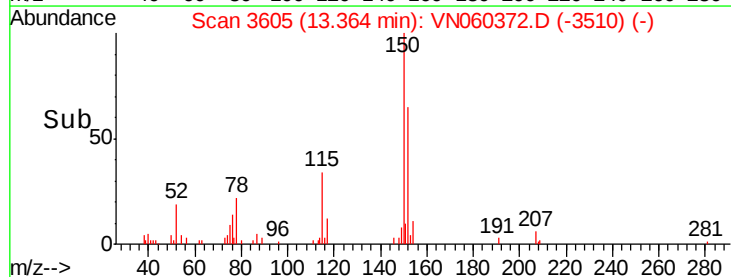
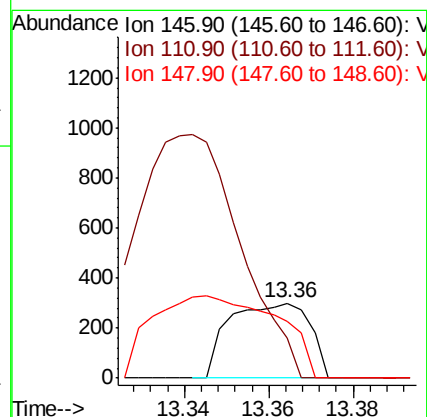
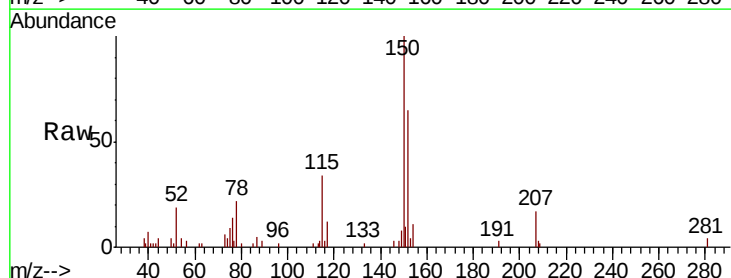
Tgt Ion: 146 Resp: 393

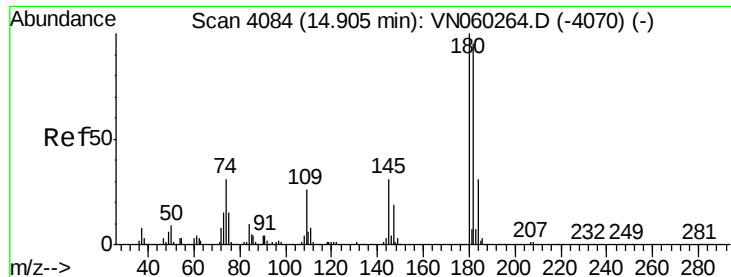
Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

148 0.0 32.3 96.9#

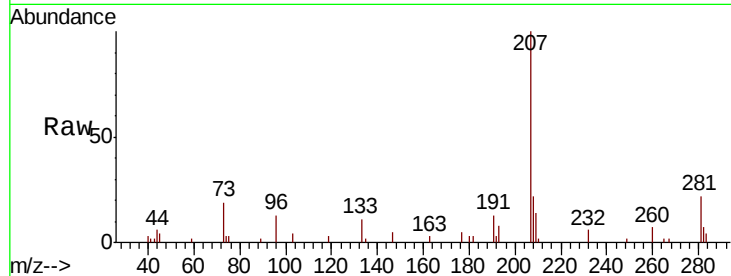




#93
 1,2,4-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060372.D
 Acq: 6 Mar 2020 11:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	78.0	47.8	143.3
145	0.0	15.4	46.1#



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

