

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060279.D
 Acq On : 28 Feb 2020 13:11
 Operator : JC/MD
 Sample : L1733-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:36:09 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

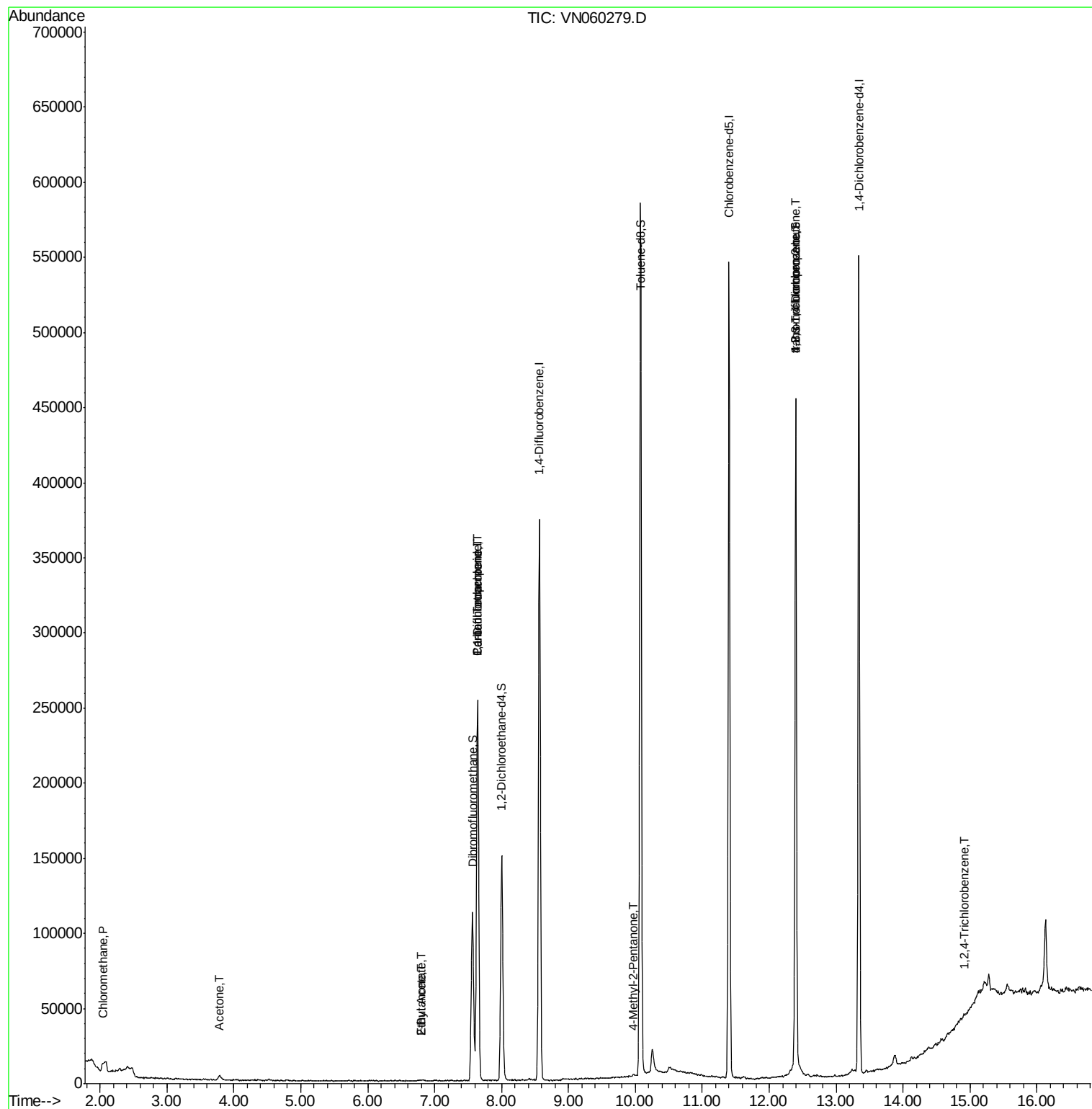
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145305	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	129829	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.56	113	86875	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	
50) Toluene-d8	10.08	98	405269	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.40	95	149010	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	869	0.263	ug/l #	81
12) 1,1-Dichloroethene	3.71	96	30	Below Cal	#	1
16) Acetone	3.79	43	5840	6.801	ug/l	99
17) Carbon Disulfide	4.03	76	399	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.02	96	100	Below Cal	#	1
25) 2-Butanone	6.81	43	1034	0.745	ug/l #	49
31) Cyclohexane	7.64	56	4362	Below Cal	#	17
36) 1,1-Dichloropropene	7.64	75	15761	4.969	ug/l #	50
37) Ethyl Acetate	6.81	43	1034	0.344	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19718	6.384	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1068	0.358	ug/l #	63
76) 1,2,3-Trichloropropane	12.40	75	77718	24.378	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77718	67.296	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	284	Below Cal	#	61
88) 1,4-Dichlorobenzene	13.36	146	357	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.90	180	341	0.204	ug/l	78
95) Naphthalene	15.13	128	994	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	333	Below Cal	#	34

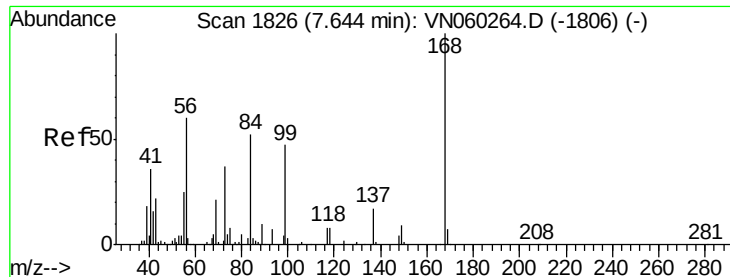
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

Instrument :

MSVOA_N

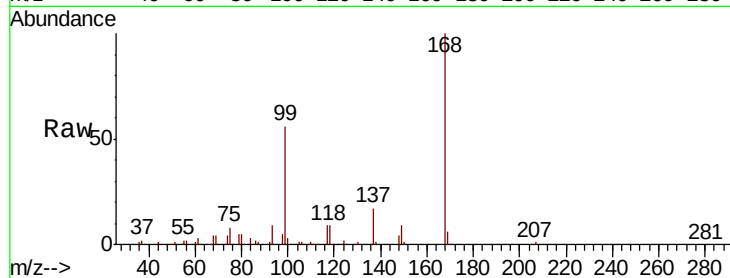
ClientSampled :

Tot Ion:168 Resp: 207258

Ion Ratio Lower Upper

168 100

99 55.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

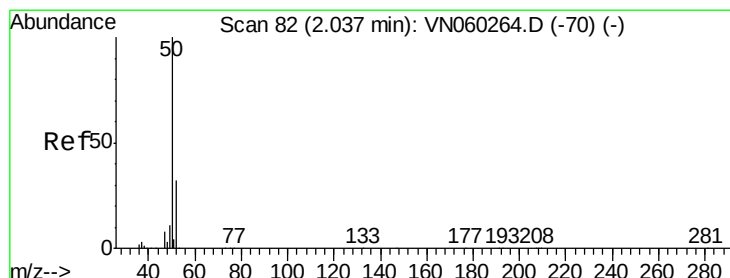
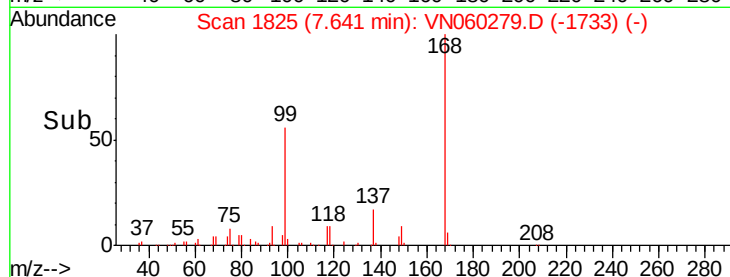
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.263 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060279.D

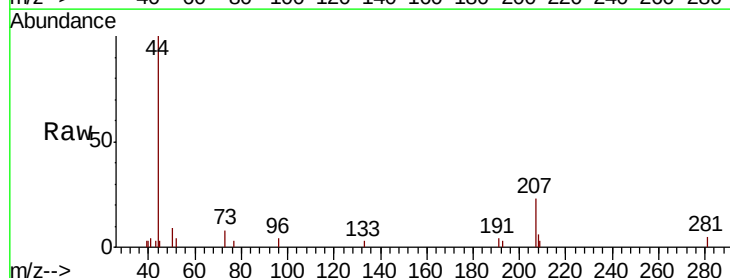
Acq: 28 Feb 2020 13:11

Tgt Ion: 50 Resp: 869

Ion Ratio Lower Upper

50 100

52 42.9 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

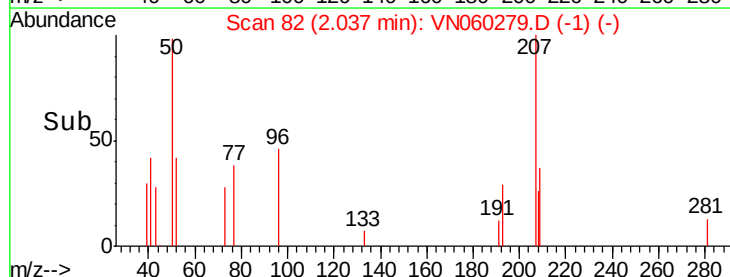
600

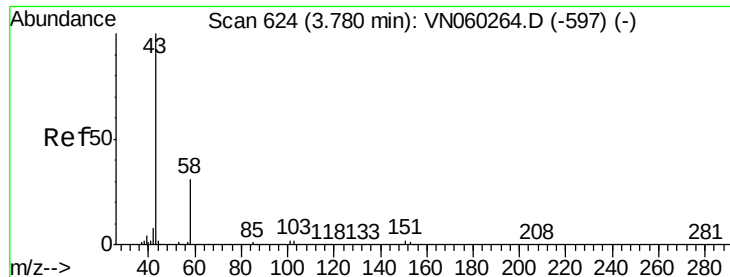
400

200

0

Time-->





#16

Acetone

Concen: 6.801 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

Instrument :

MSVOA_N

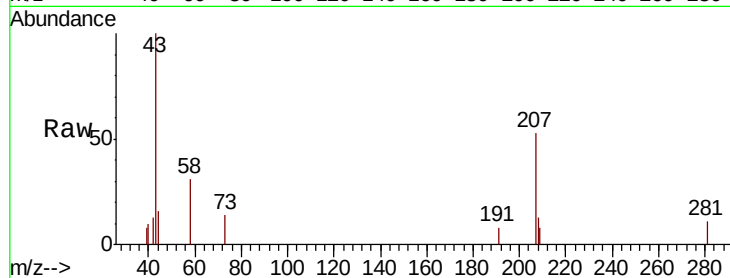
ClientSampled :

Tot Ion: 43 Resp: 5840

Ion Ratio Lower Upper

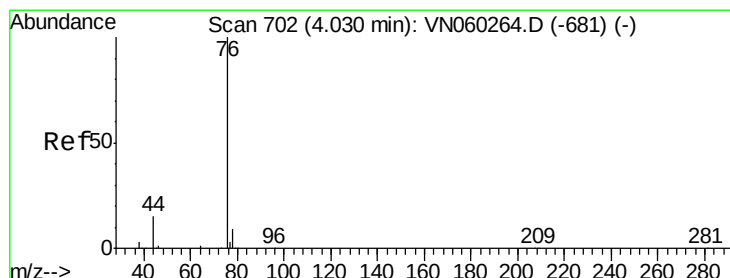
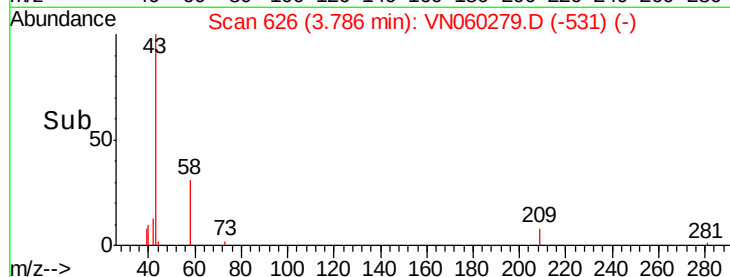
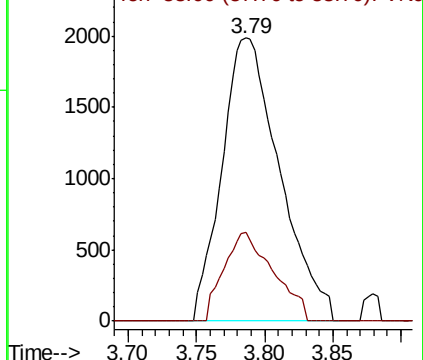
43 100

58 31.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060279.D

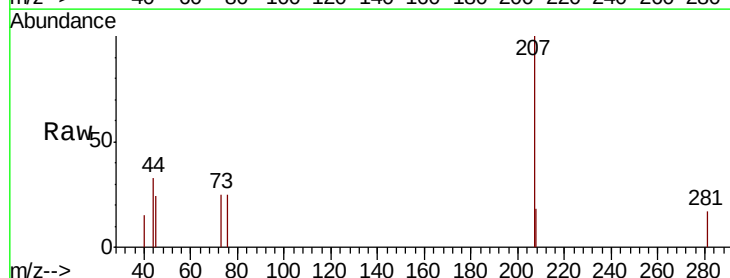
Acq: 28 Feb 2020 13:11

Tgt Ion: 76 Resp: 399

Ion Ratio Lower Upper

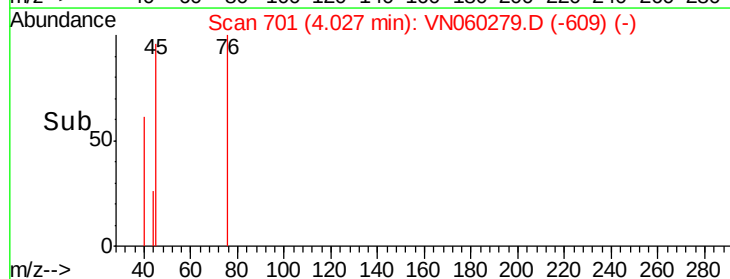
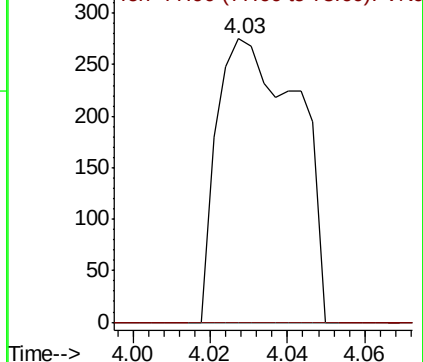
76 100

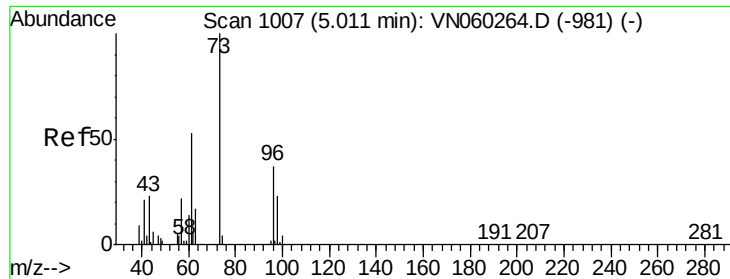
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-681) (-)





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.02 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

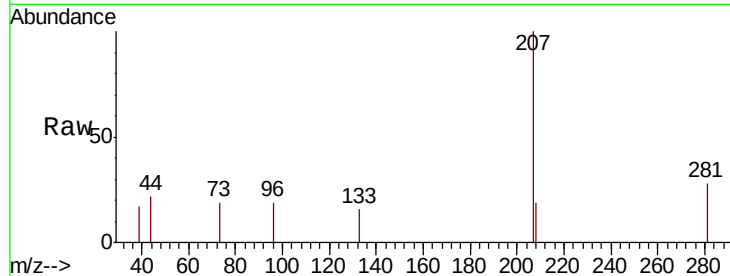
Tot Ion: 96 Resp: 100

Ion Ratio Lower Upper

96 100

61 0.0 113.8 170.8#

98 0.0 48.8 73.2#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

250

200

150

100

50

0

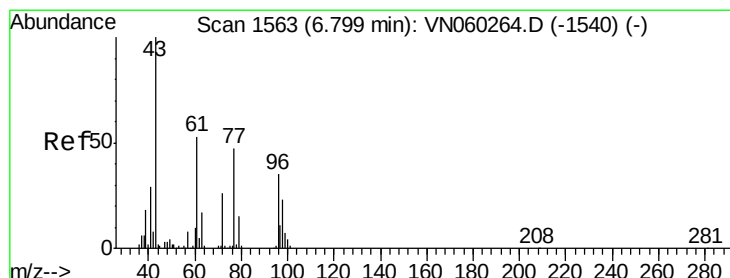
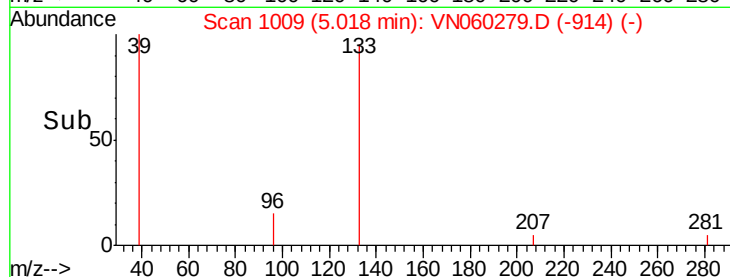
5.00

5.01

5.02

5.03

Time-->



#25

2-Butanone

Concen: 0.745 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060279.D

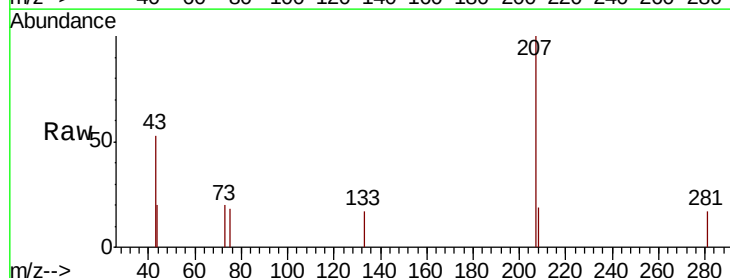
Acq: 28 Feb 2020 13:11

Tgt Ion: 43 Resp: 1034

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

600

500

400

300

200

100

0

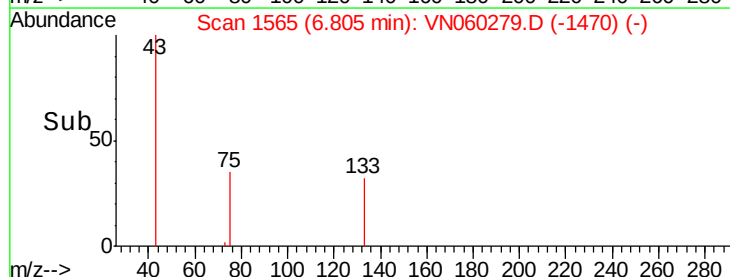
6.76

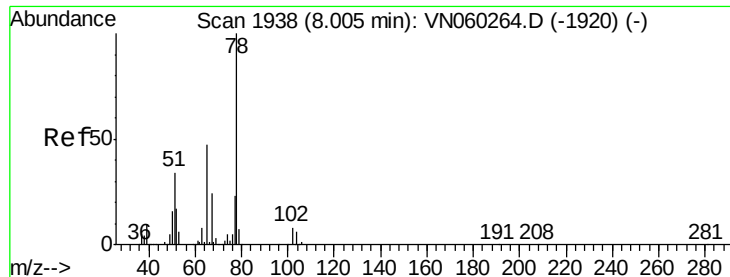
6.78

6.80

6.82

Time-->

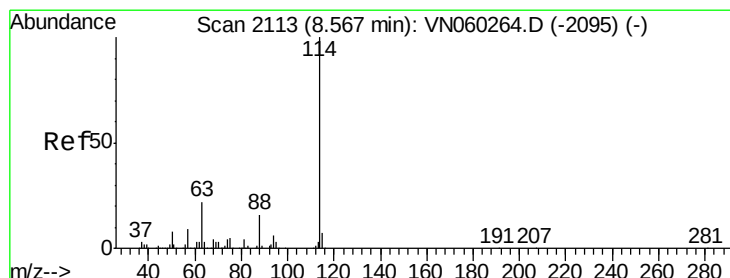
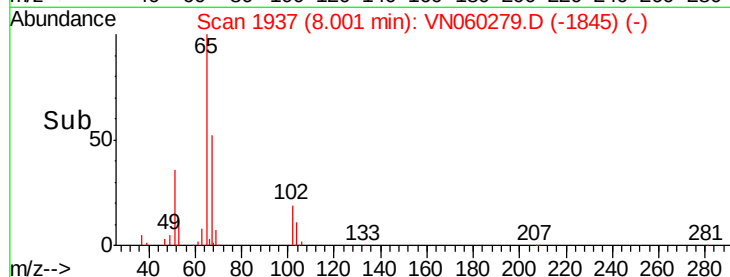
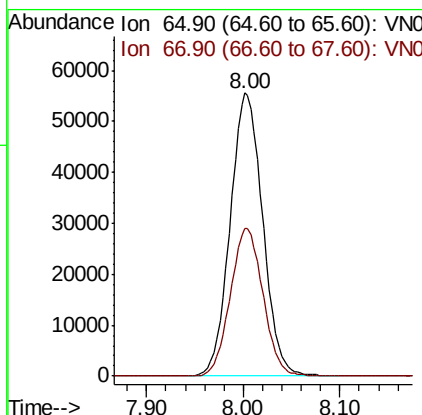
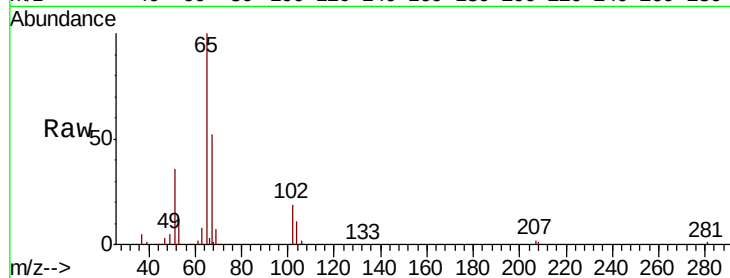




#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060279.D
 Acq: 28 Feb 2020 13:11

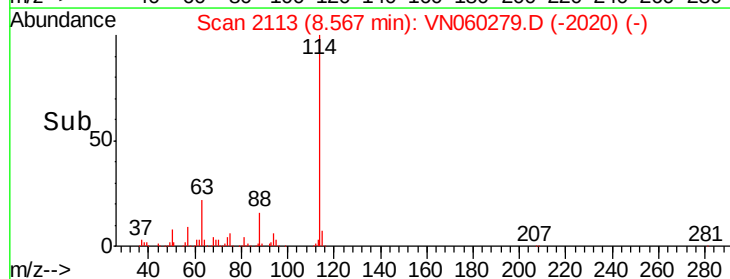
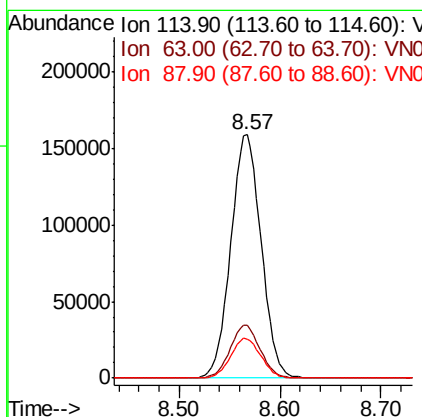
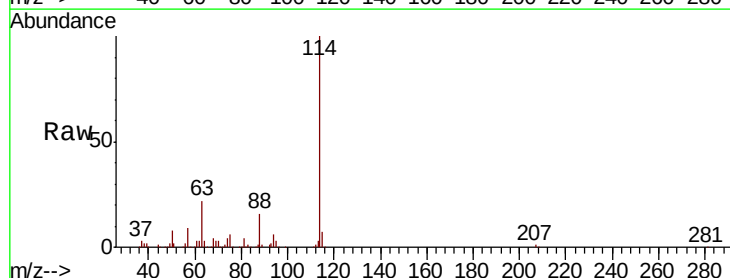
Instrument :
 MSVOA_N
 ClientSampled :

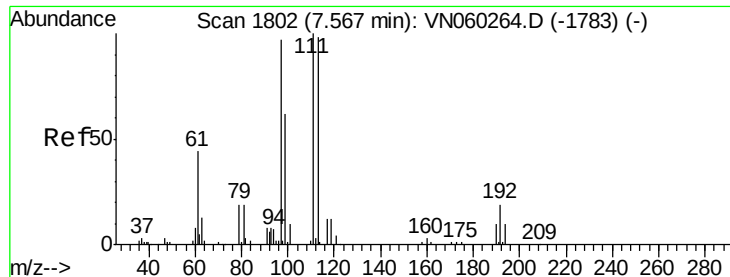
Tot Ion: 65 Resp: 129829
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060279.D
 Acq: 28 Feb 2020 13:11

Tgt Ion: 114 Resp: 332842
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.1 0.0 31.6

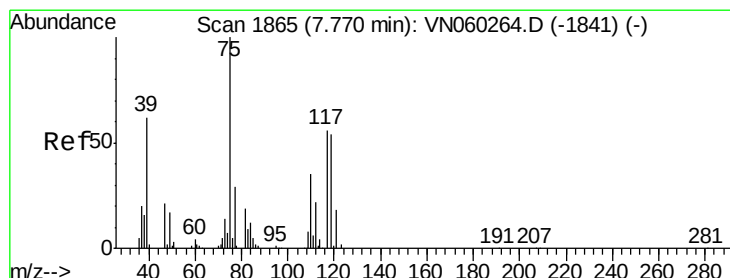
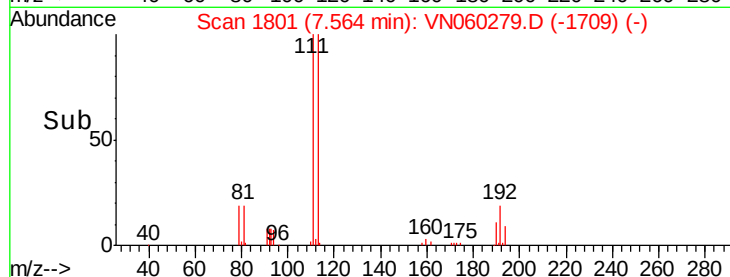
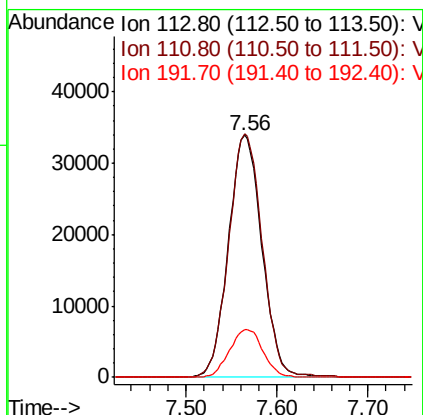
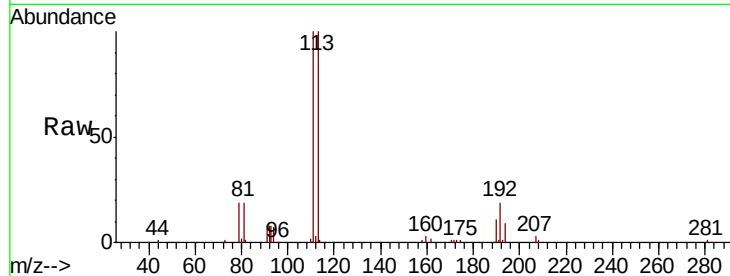




#35
 Dibromofluoromethane
 Concen: 56.232 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060279.D
 Acq: 28 Feb 2020 13:11

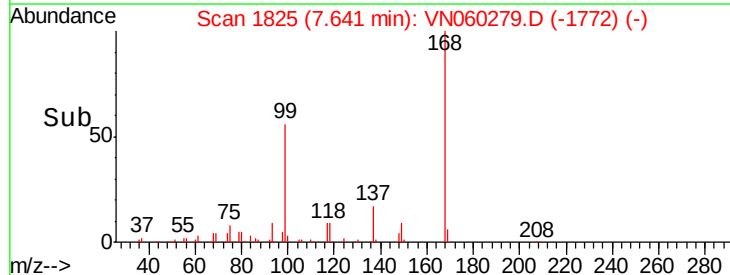
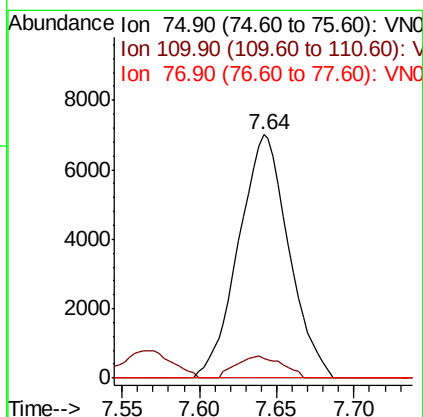
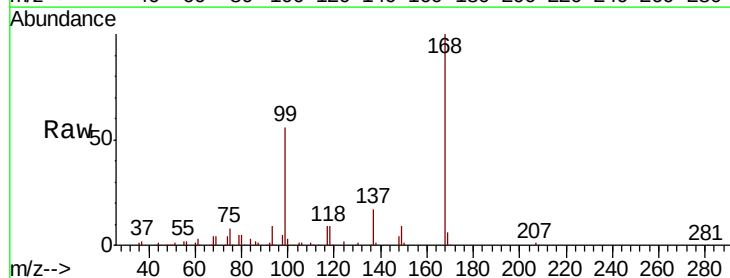
Instrument :
 MSVOA_N
 ClientSampleId :

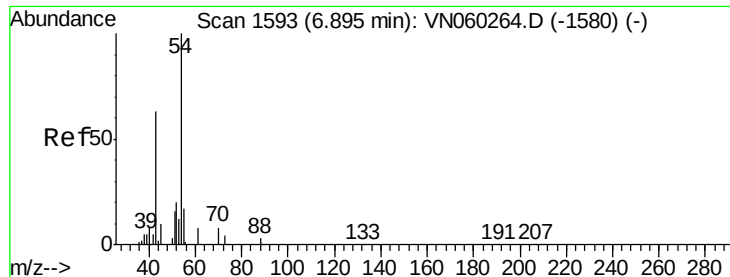
Tot Ion:113 Resp: 86875
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.4 123.6
 192 19.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060279.D
 Acq: 28 Feb 2020 13:11

Tgt Ion: 75 Resp: 15761
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.3 52.0#
 77 0.0 24.2 36.2#

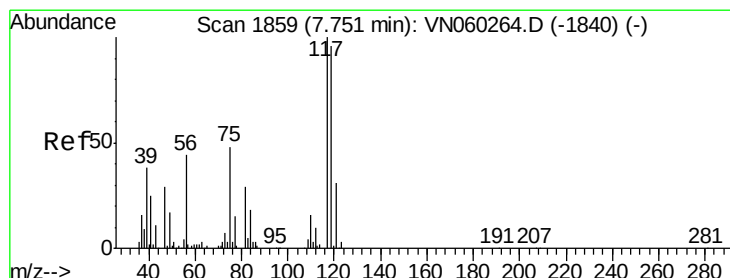
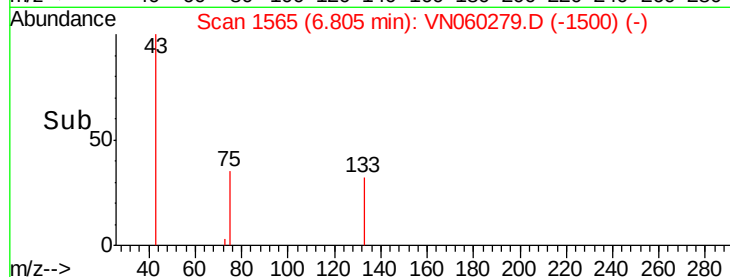
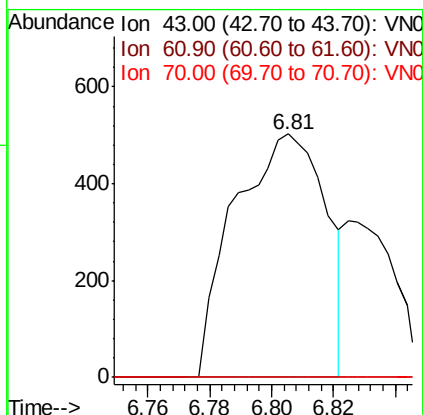
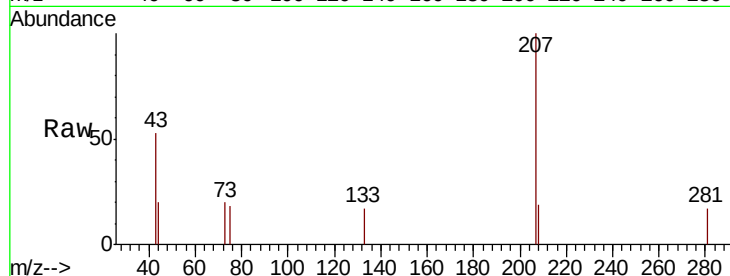




#37
Ethyl Acetate
Concen: 0.344 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060279.D
Acq: 28 Feb 2020 13:11

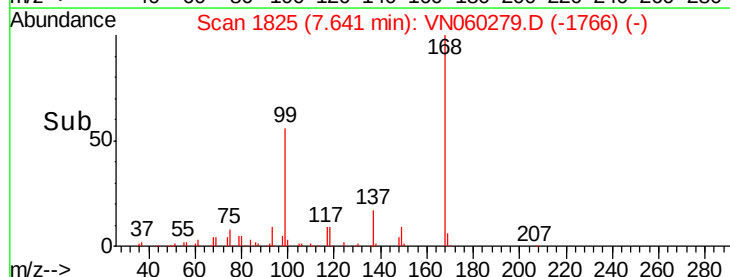
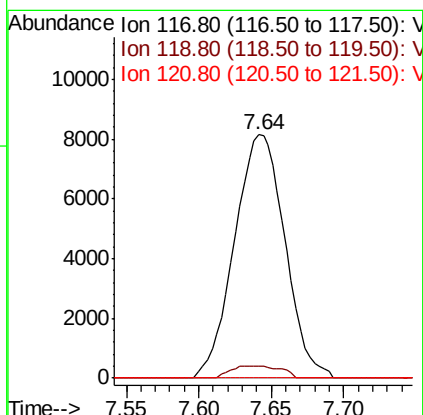
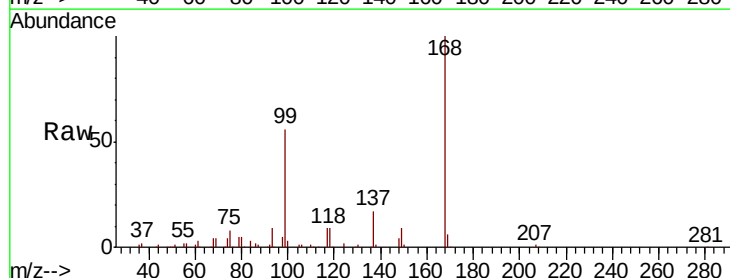
Instrument :
MSVOA_N
ClientSampleId :

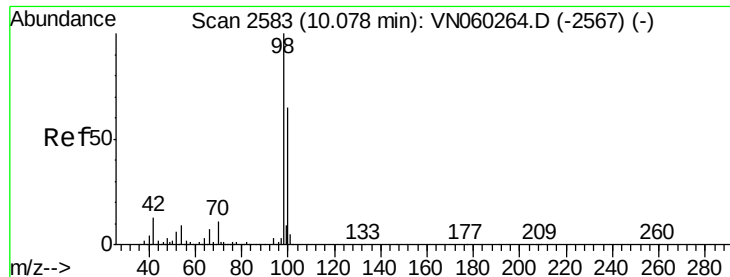
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.4	12.6#



#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060279.D
Acq: 28 Feb 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 51.830 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

Instrument :

MSVOA_N

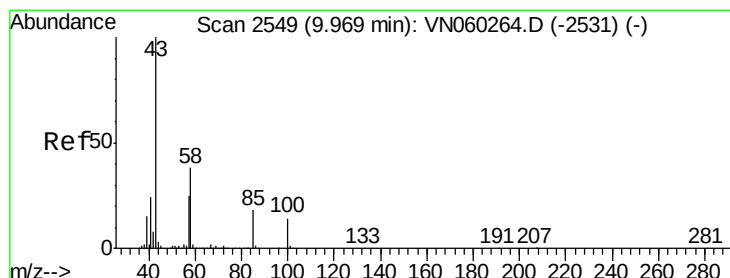
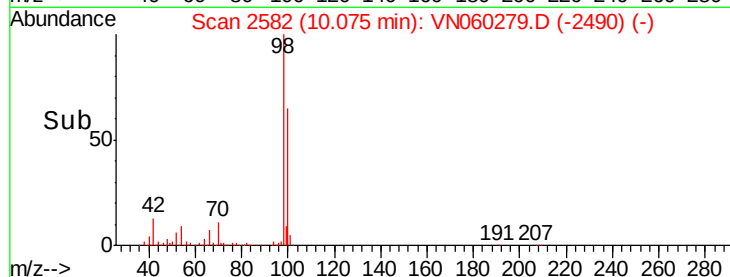
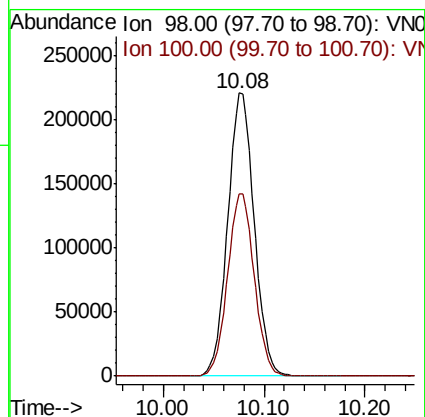
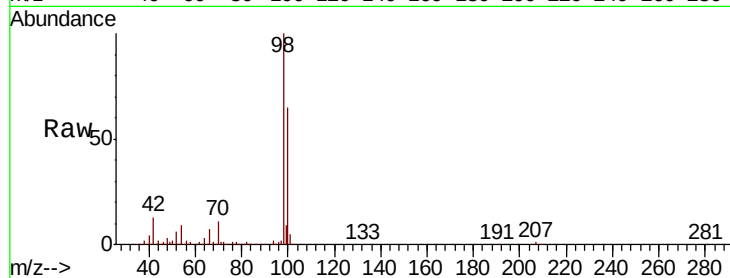
ClientSampled :

Tot Ion: 98 Resp: 405269

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.358 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060279.D

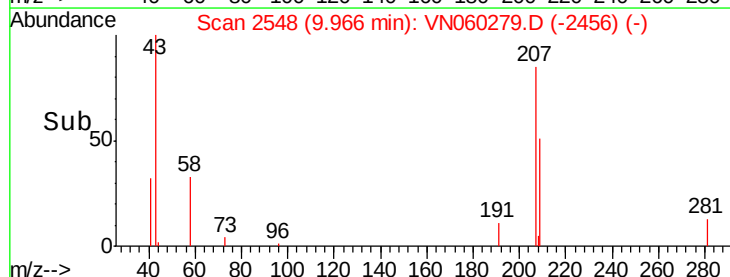
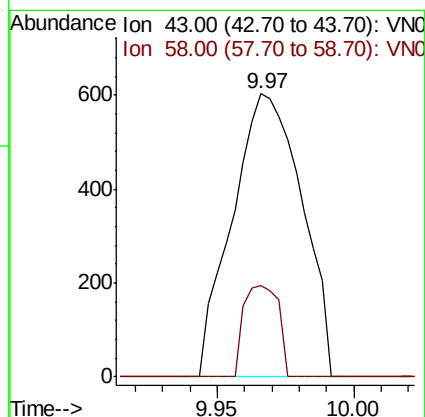
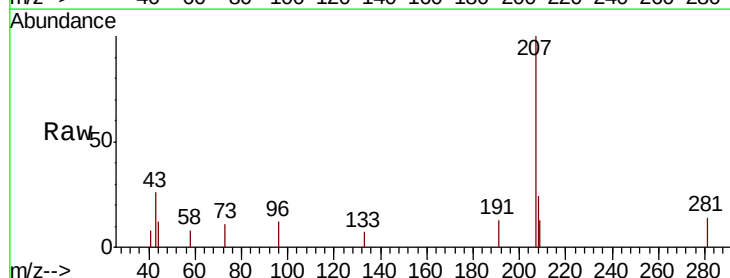
Acq: 28 Feb 2020 13:11

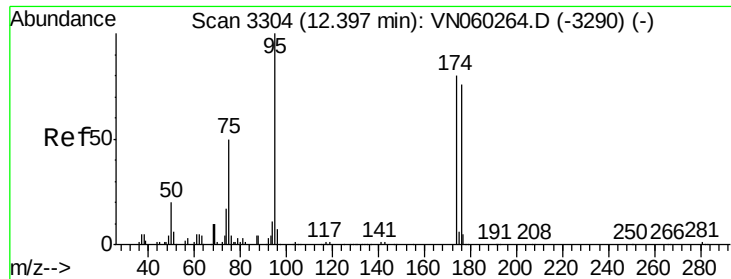
Tgt Ion: 43 Resp: 1068

Ion Ratio Lower Upper

43 100

58 16.0 30.9 46.3#





#62

4-Bromofluorobenzene

Concen: 50.272 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

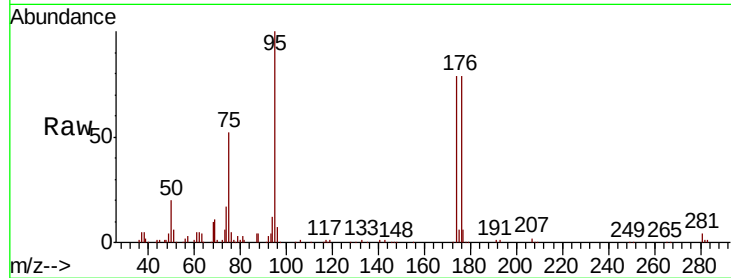
Tot Ion: 95 Resp: 149010

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.2

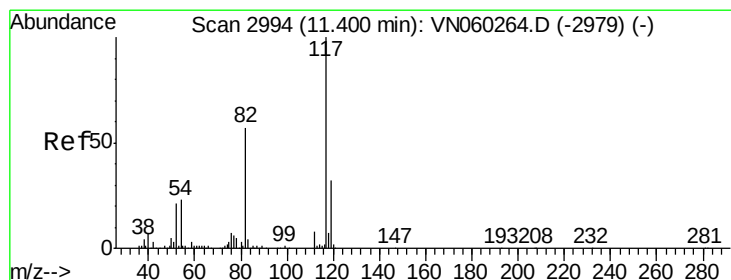
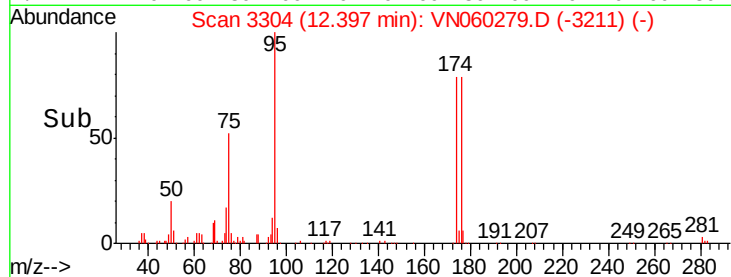
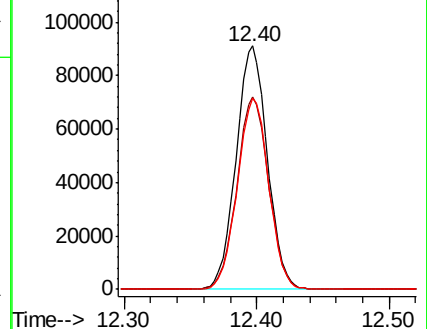
176 79.0 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060279.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060279.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060279.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

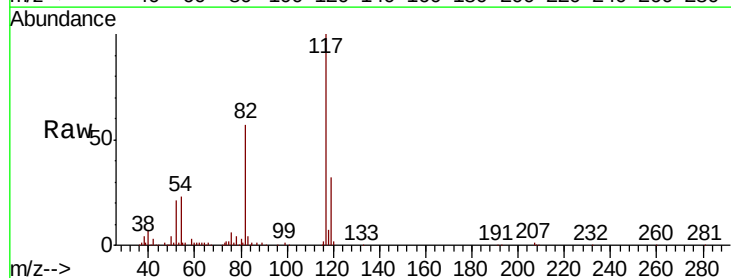
Tgt Ion: 117 Resp: 304983

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.6

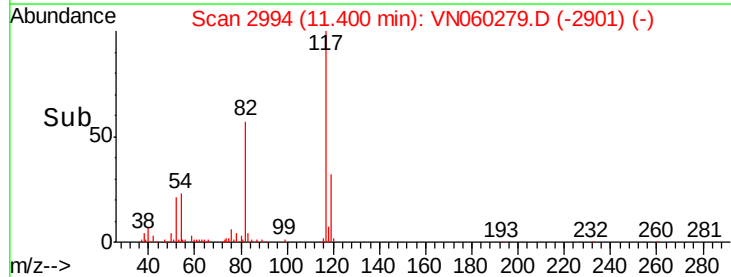
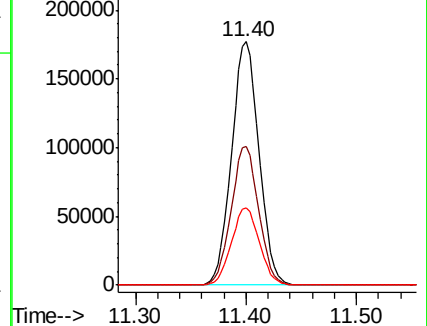
119 31.8 25.8 38.8

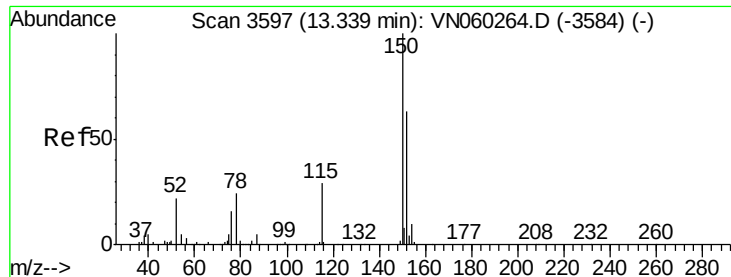


Abundance Ion 116.90 (116.60 to 117.60): VN060279.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060279.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060279.D (-2901) (-)



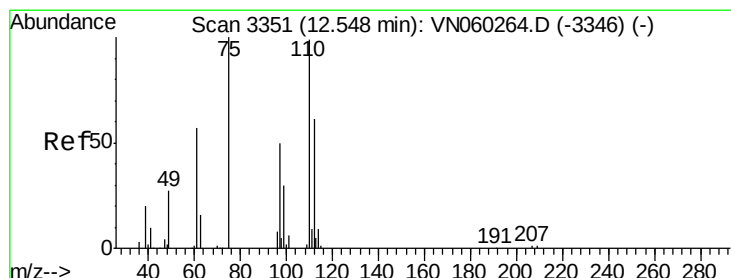
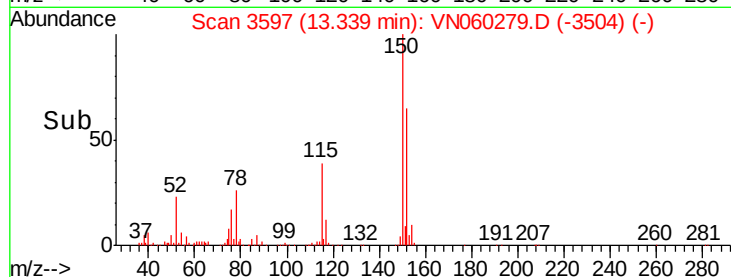
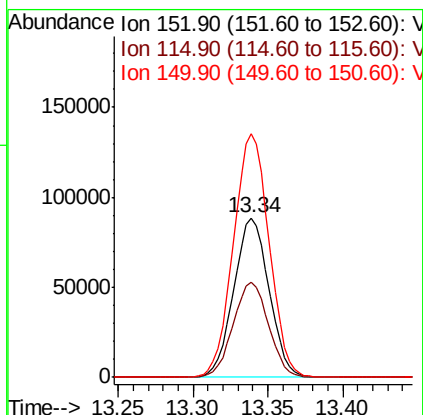
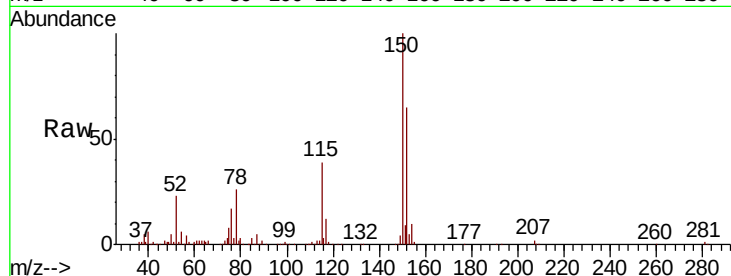


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060279.D
Acq: 28 Feb 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :

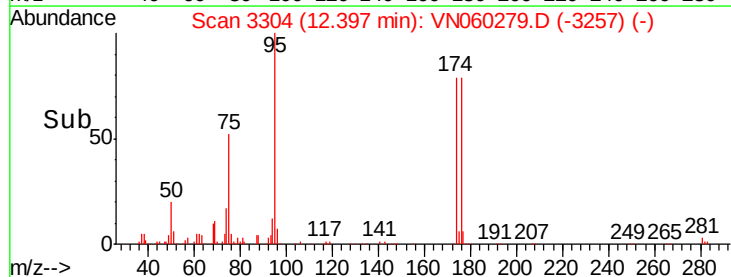
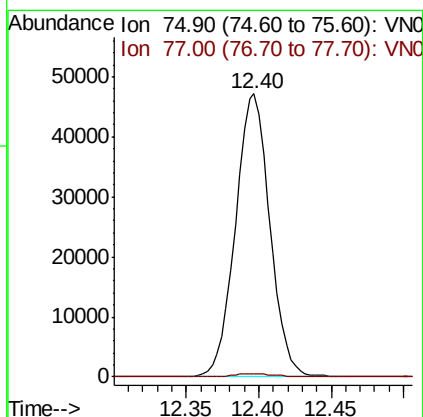
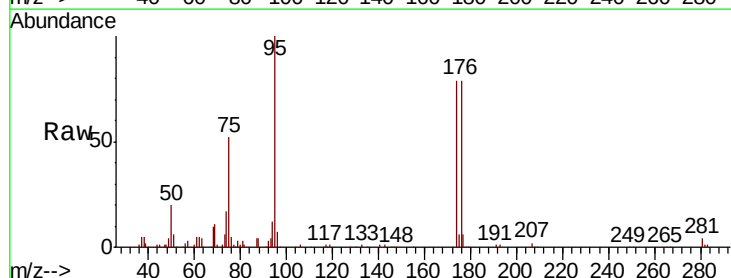
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.0	90.0
150	154.5	0.0	349.6

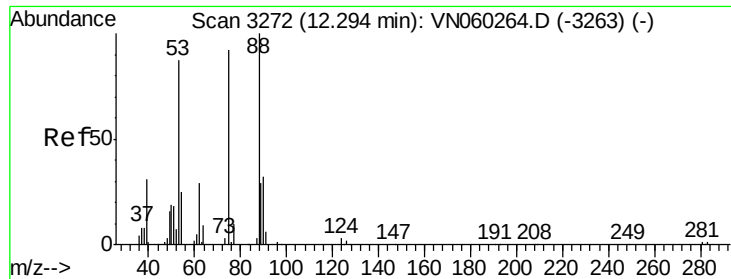


#76

1,2,3-Trichloropropane
Concen: 24.378 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060279.D
Acq: 28 Feb 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

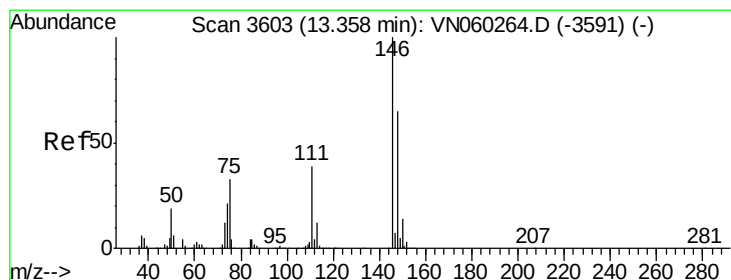
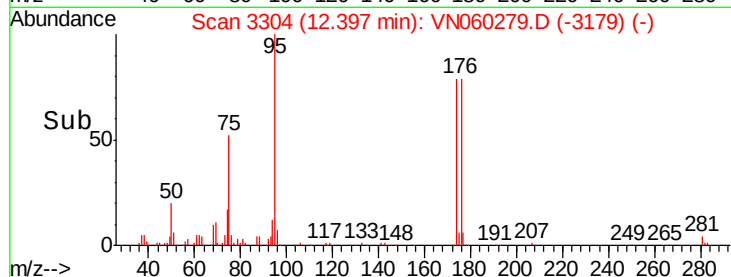
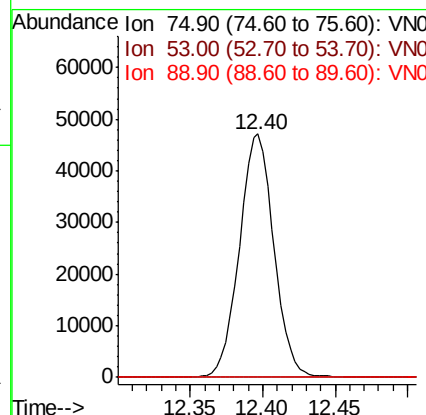
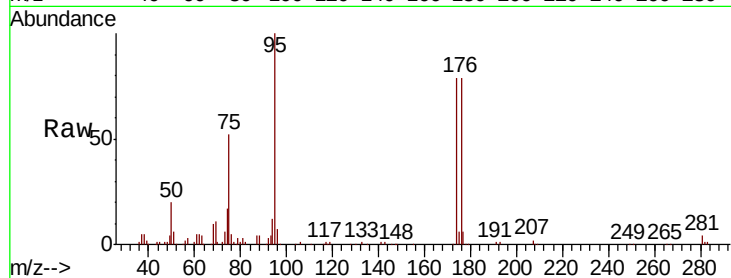




#81
trans-1,4-Dichloro-2-butene
Concen: 67.296 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060279.D
Acq: 28 Feb 2020 13:11

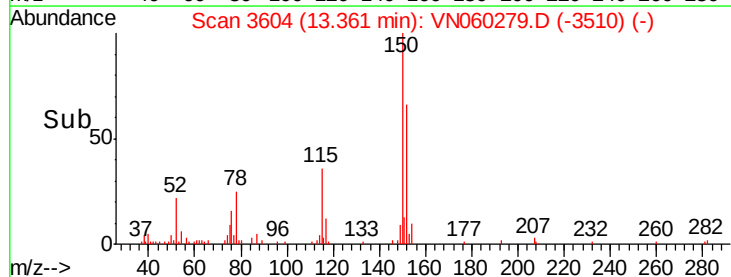
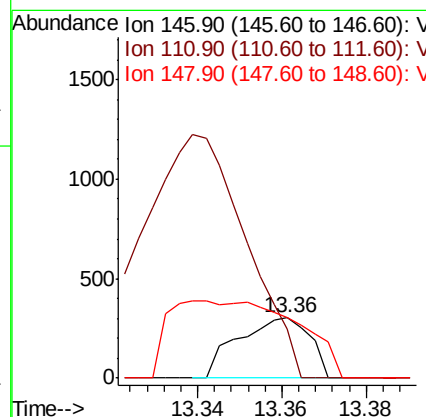
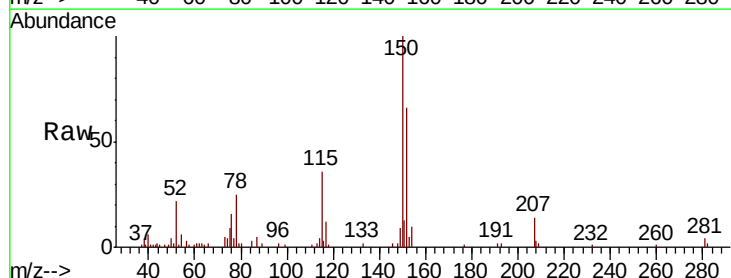
Instrument :
MSVOA_N
ClientSampleId :

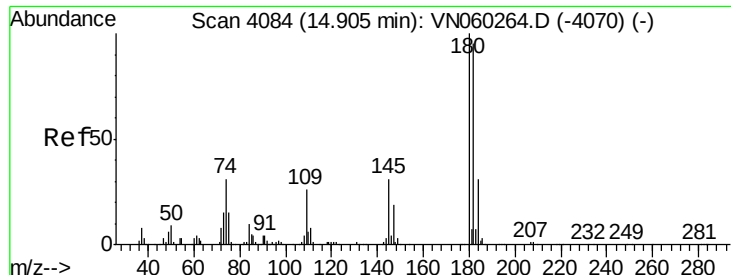
Tot Ion: 75 Resp: 77718
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060279.D
Acq: 28 Feb 2020 13:11

Tgt Ion: 146 Resp: 357
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: 0.204 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060279.D

Acq: 28 Feb 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

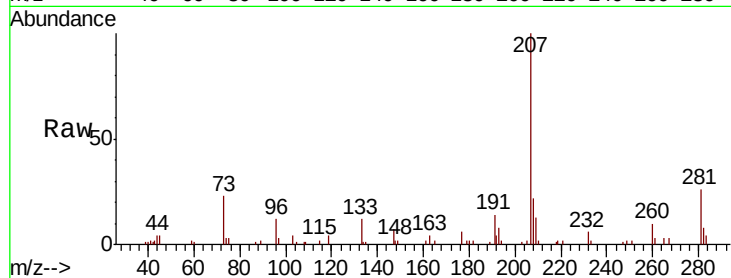
Tot Ion:180 Resp: 341

Ion Ratio Lower Upper

180 100

182 74.5 47.8 143.3

145 17.6 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

