

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061077.D
 Acq On : 18 Apr 2020 1:59
 Operator : JC/MD
 Sample : L2338-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	142354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	243263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	228978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101148	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	97804	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
35) Dibromofluoromethane	7.56	113	73563	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
50) Toluene-d8	10.08	98	302254	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
62) 4-Bromofluorobenzene	12.39	95	110765	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	

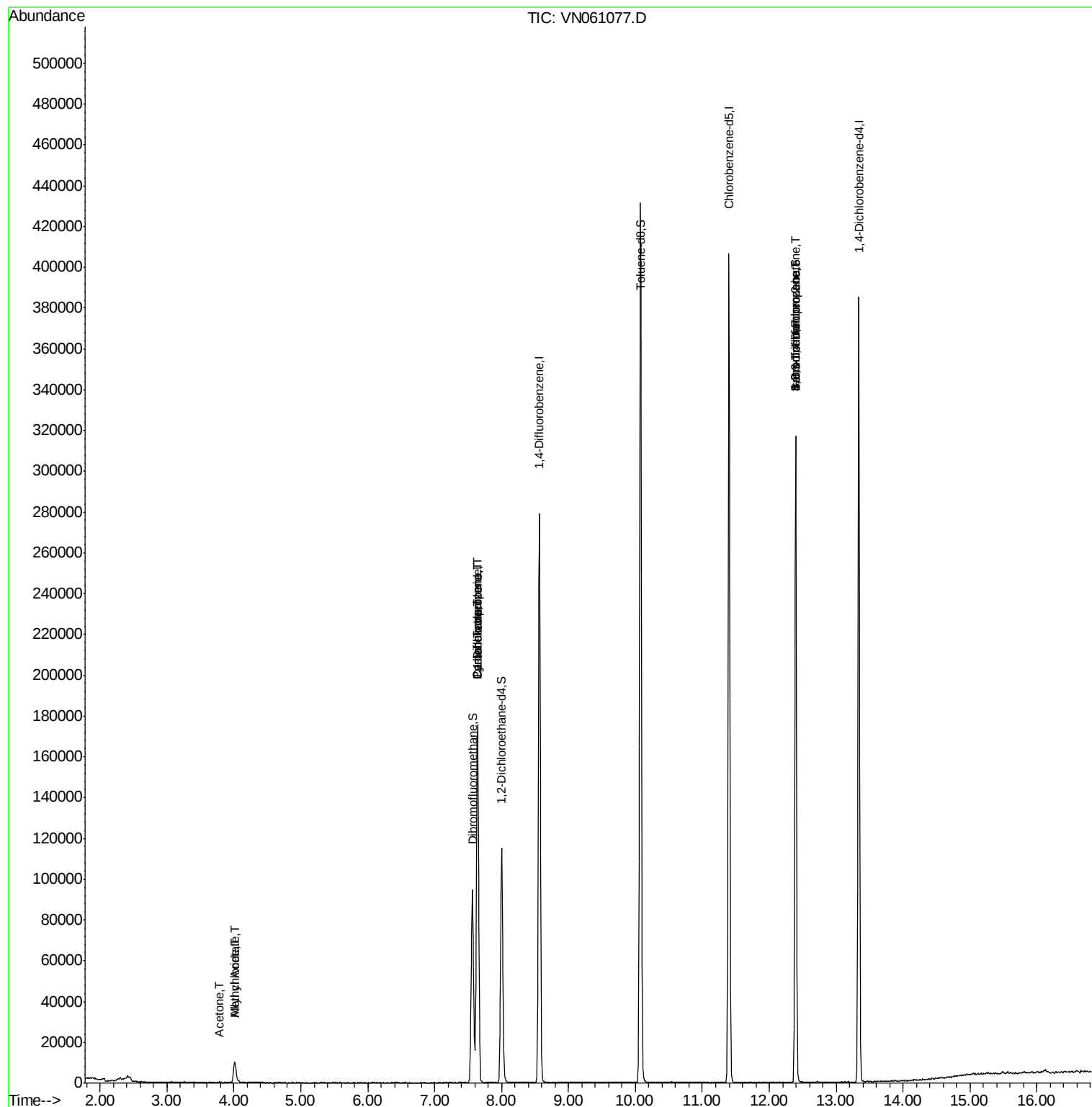
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	1313	0.445	ug/l #	68
16) Acetone	3.79	43	1110	1.385	ug/l #	44
18) Methyl Acetate	4.01	43	3744	1.489	ug/l #	54
31) Cyclohexane	7.64	56	3220	0.949	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11866	4.727	ug/l #	49
38) Carbon Tetrachloride	7.64	117	13794	6.602	ug/l #	15
71) Bromoform	12.40	173	381	0.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	56951	25.598	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	56951	63.139	ug/l #	12

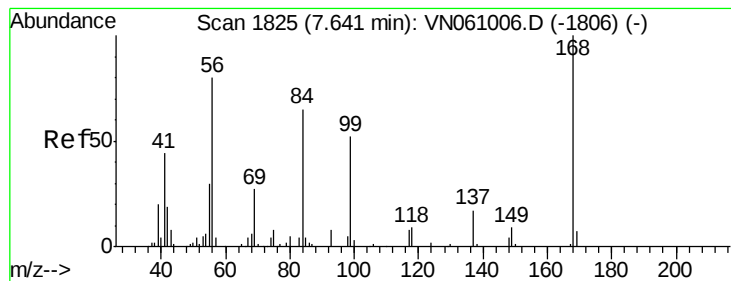
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061077.D

Acq: 18 Apr 2020 1:59

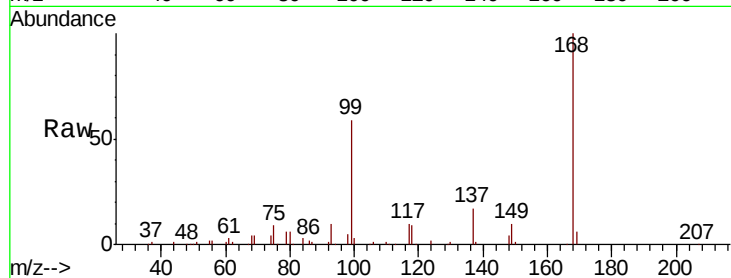
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 142354

Ion Ratio Lower Upper

168 100

99 58.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)

7.64

60000

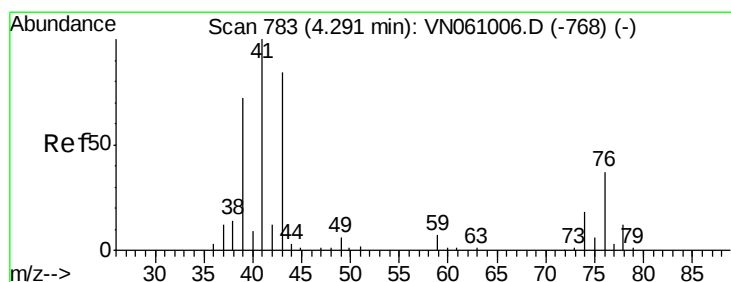
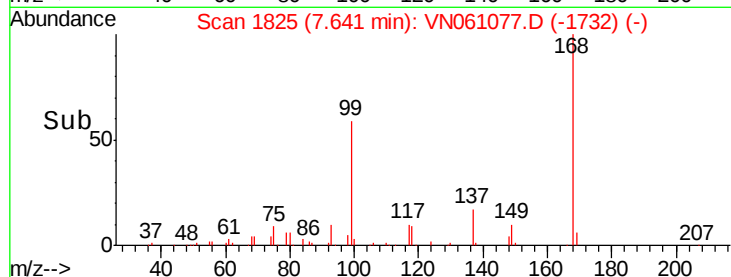
40000

20000

0

7.60 7.70

Time-->



#14

Allyl chloride

Concen: 0.445 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.27 min

Lab File: VN061077.D

Acq: 18 Apr 2020 1:59

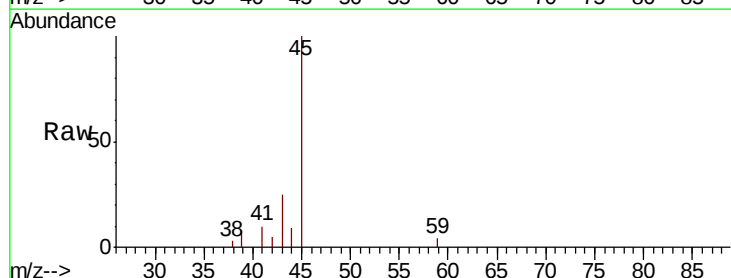
Tgt Ion: 41 Resp: 1313

Ion Ratio Lower Upper

41 100

39 84.8 56.3 84.5#

76 0.0 27.7 41.5#



Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-768) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-768) (-)

Ion 75.90 (75.60 to 76.60): VN061006.D (-768) (-)

4.02

800

600

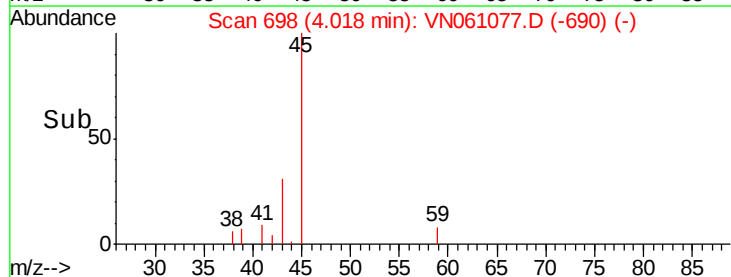
400

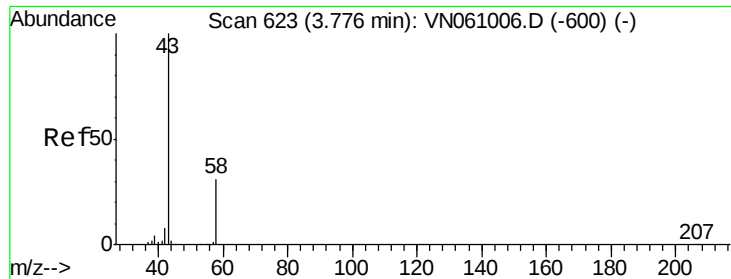
200

0

3.98 4.00 4.02 4.04 4.06

Time-->





#16

Acetone

Concen: 1.385 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061077.D

Acq: 18 Apr 2020 1:59

Instrument :

MSVOA_N

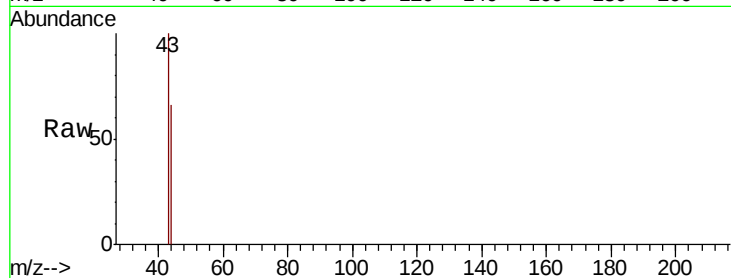
ClientSampled :

Tot Ion: 43 Resp: 1110

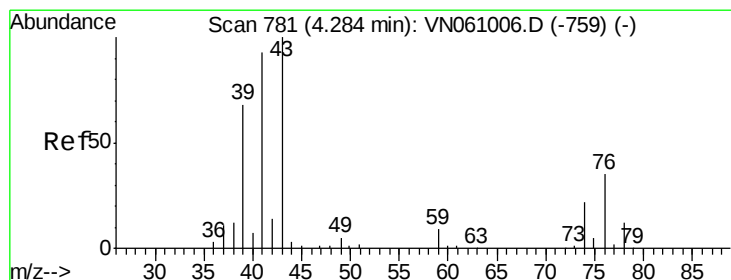
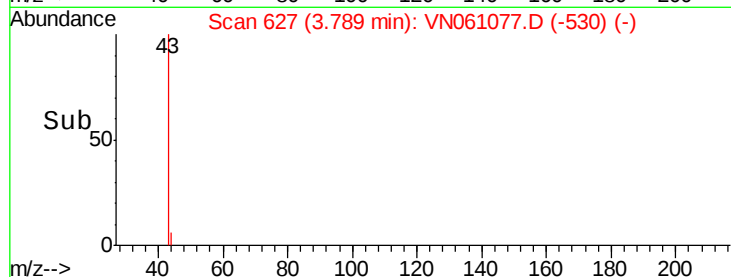
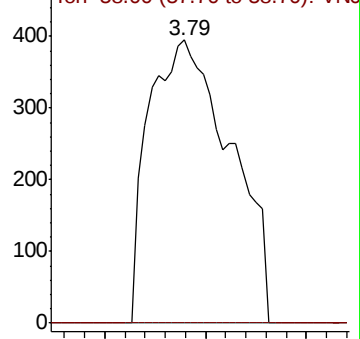
Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0



#18

Methyl Acetate

Concen: 1.489 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.27 min

Lab File: VN061077.D

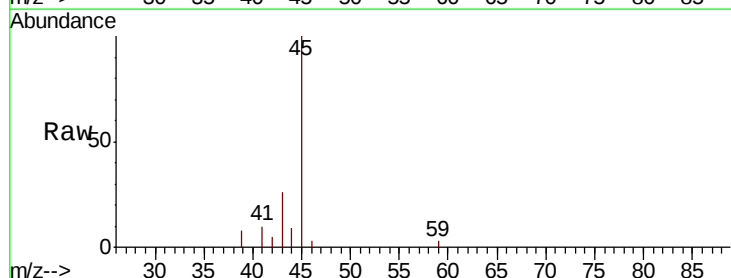
Acq: 18 Apr 2020 1:59

Tgt Ion: 43 Resp: 3744

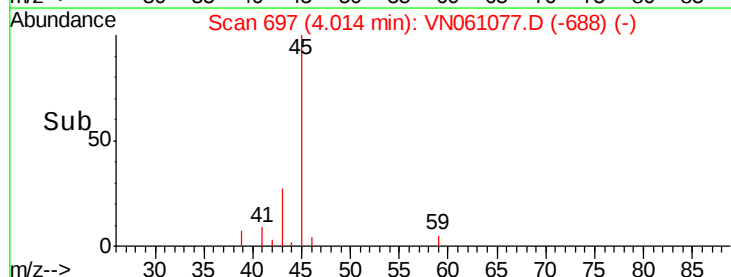
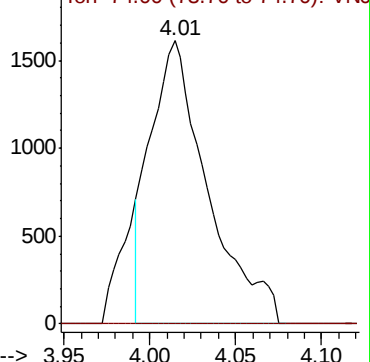
Ion Ratio Lower Upper

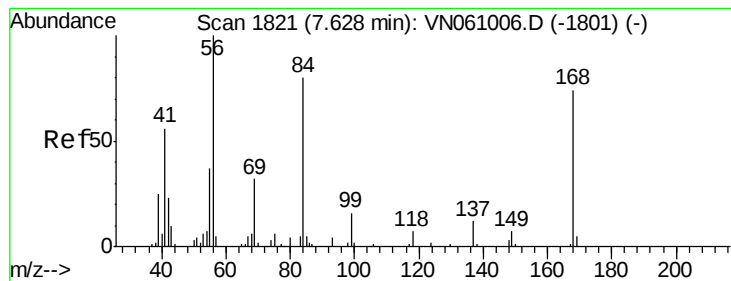
43 100

74 0.0 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0





#31

Cyclohexane

Concen: 0.949 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.02 min

Lab File: VN061077.D

Acq: 18 Apr 2020 1:59

Instrument :
MSVOA_N
ClientSampled :

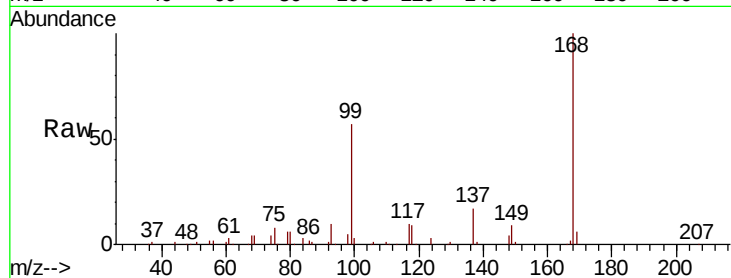
Tot Ion: 56 Resp: 3220

Ion Ratio Lower Upper

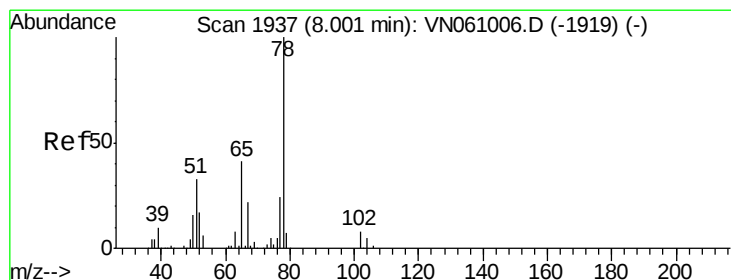
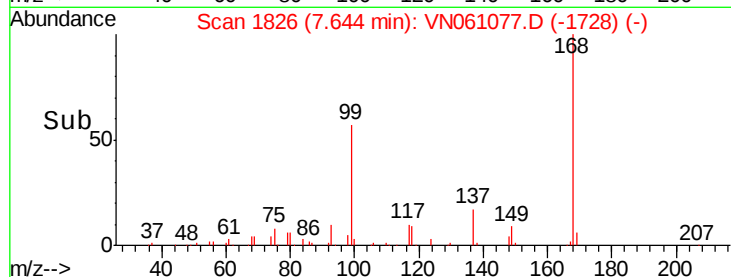
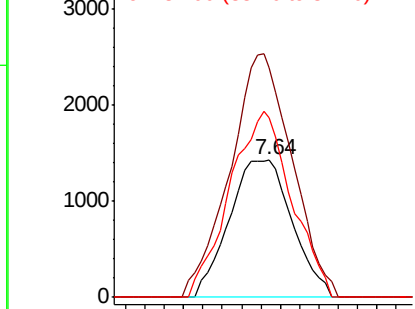
56 100

69 166.9 25.6 38.4#

84 130.3 63.4 95.2#



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: 53.699 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061077.D

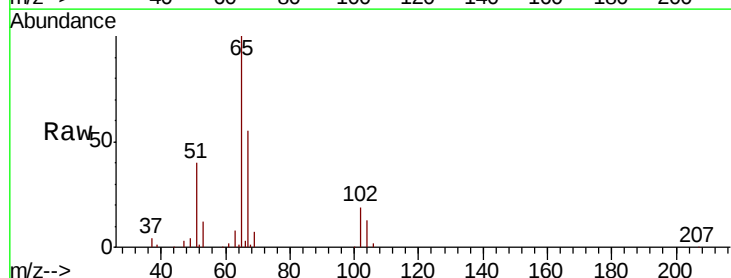
Acq: 18 Apr 2020 1:59

Tgt Ion: 65 Resp: 97804

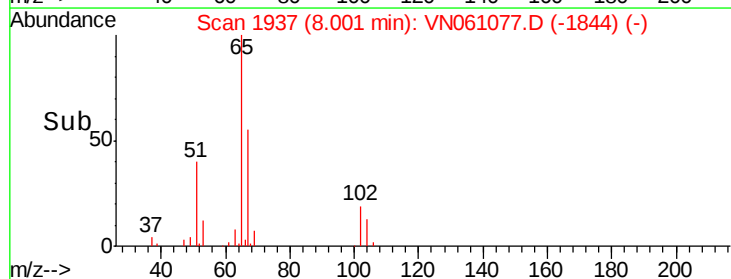
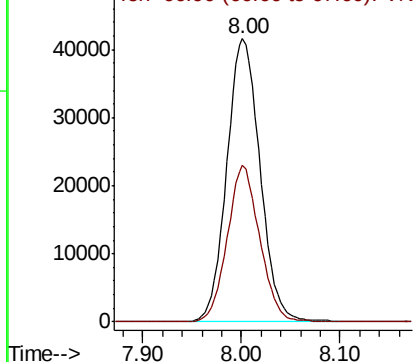
Ion Ratio Lower Upper

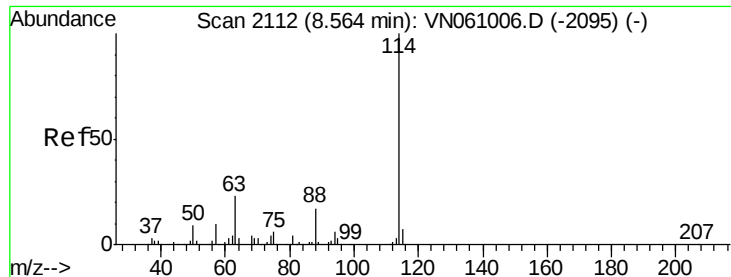
65 100

67 53.8 0.0 107.0



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

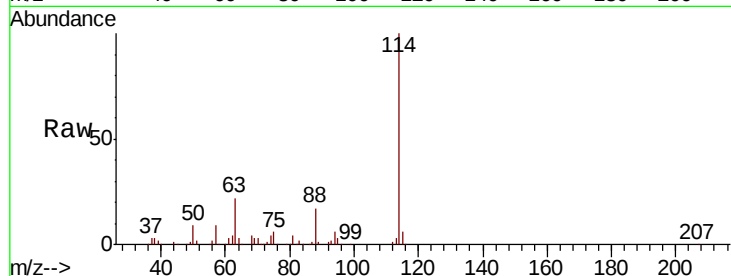




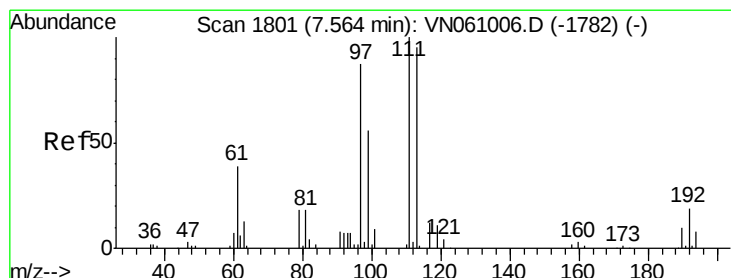
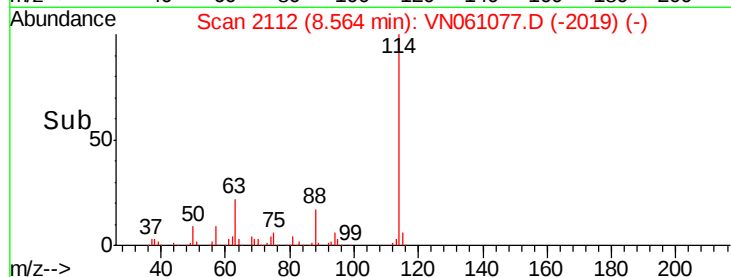
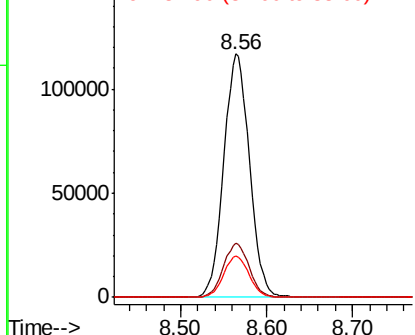
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061077.D
 Acq: 18 Apr 2020 1:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.2
88	16.9	0.0	33.4

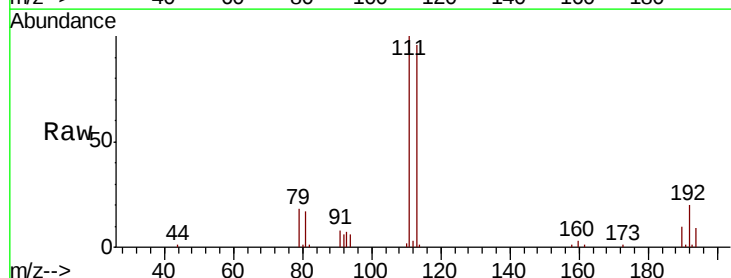


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

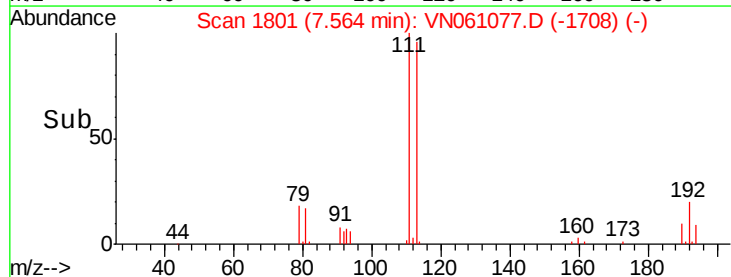
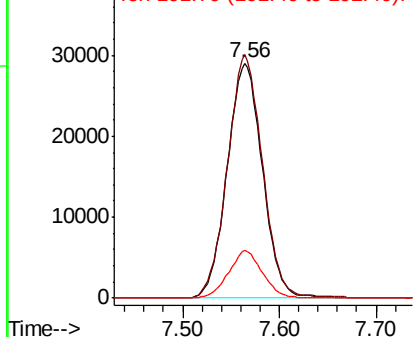


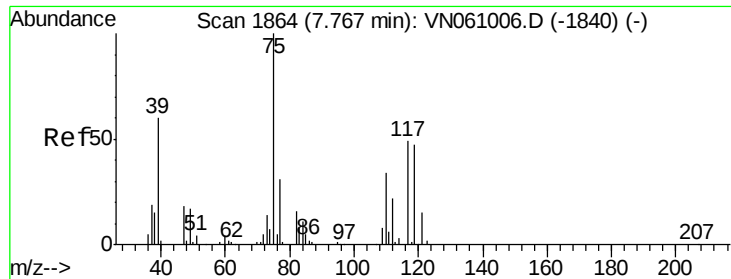
#35
 Dibromofluoromethane
 Concen: 51.782 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061077.D
 Acq: 18 Apr 2020 1:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.4	125.2
192	19.4	15.5	23.3



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

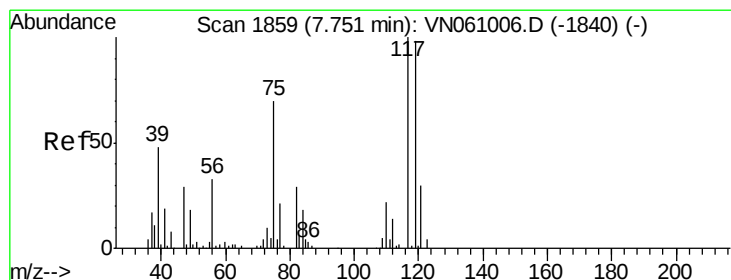
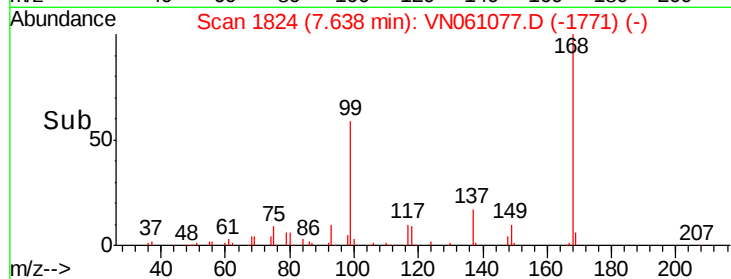
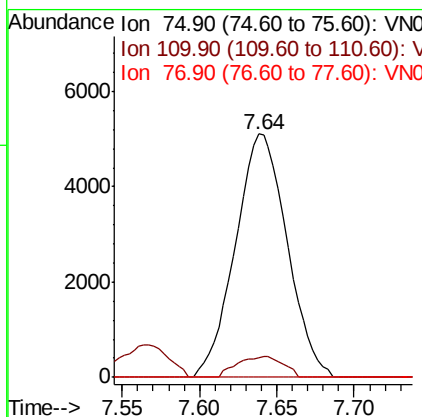
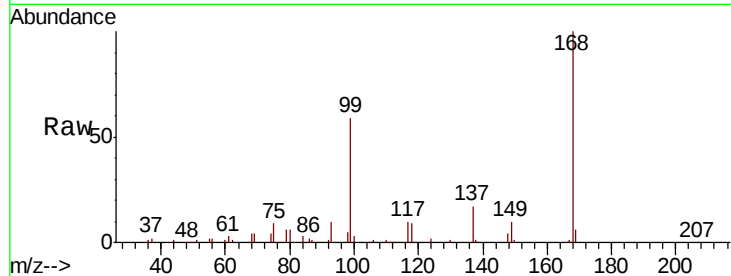




#36
 1,1-Dichloropropene
 Concen: 4.727 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061077.D
 Acq: 18 Apr 2020 1:59

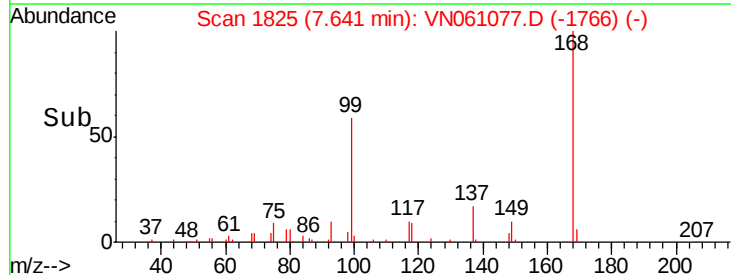
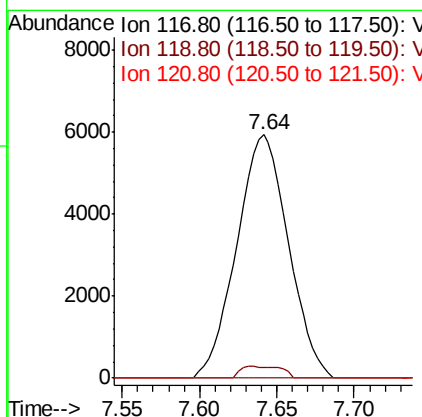
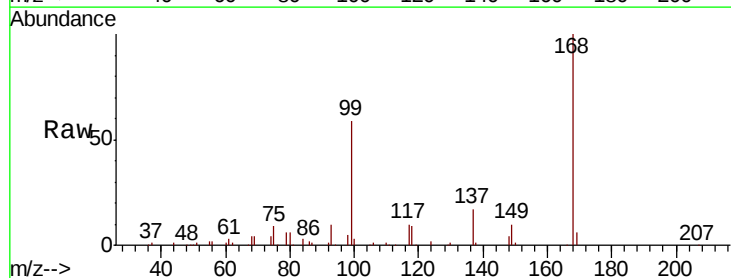
Instrument :
 MSVOA_N
 ClientSampled :

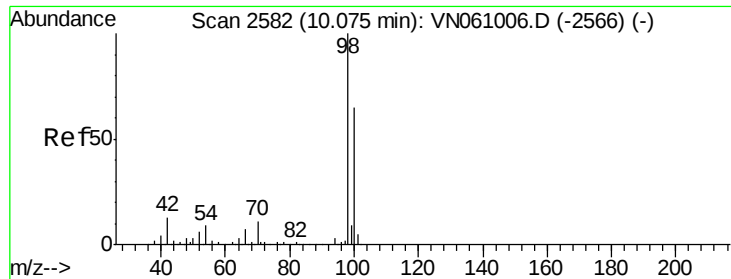
Tot Ion	75	Resp	11866
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.602 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061077.D
 Acq: 18 Apr 2020 1:59

Tgt Ion	117	Resp	13794
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.3	78.1	117.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 56.304 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061077.D

Acq: 18 Apr 2020 1:59

Instrument :

MSVOA_N

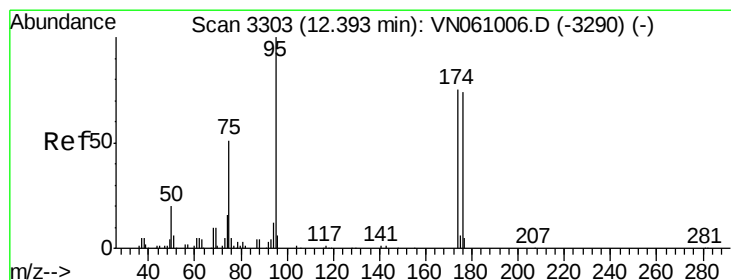
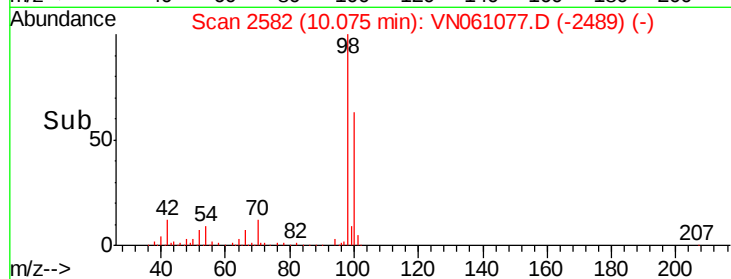
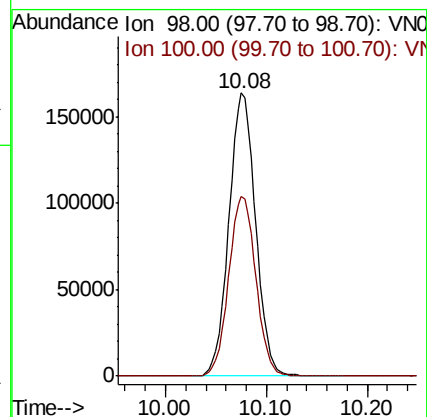
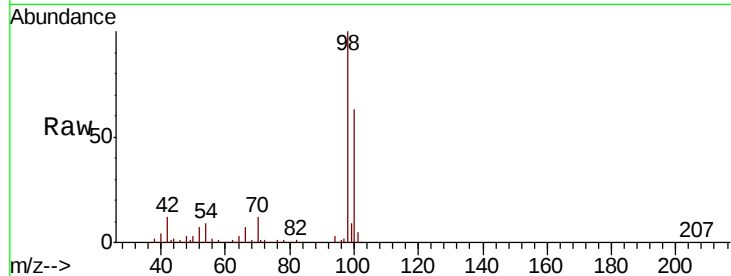
ClientSampleId :

Tot Ion: 98 Resp: 302254

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 52.646 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061077.D

Acq: 18 Apr 2020 1:59

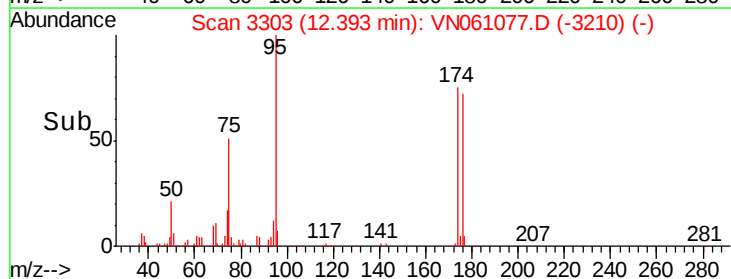
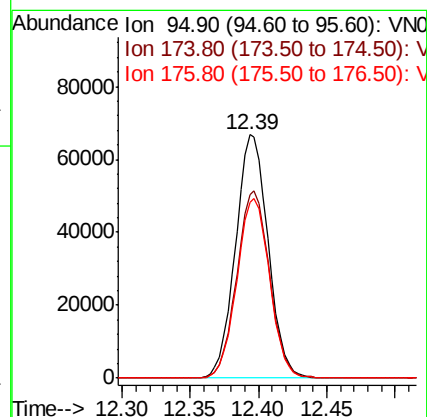
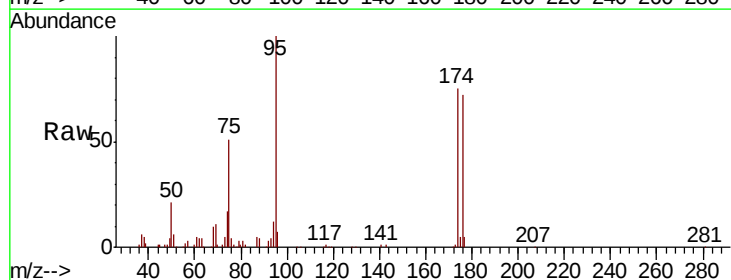
Tgt Ion: 95 Resp: 110765

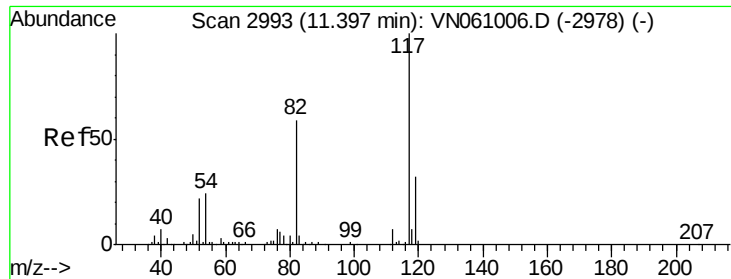
Ion Ratio Lower Upper

95 100

174 77.3 0.0 151.2

176 74.1 0.0 148.2

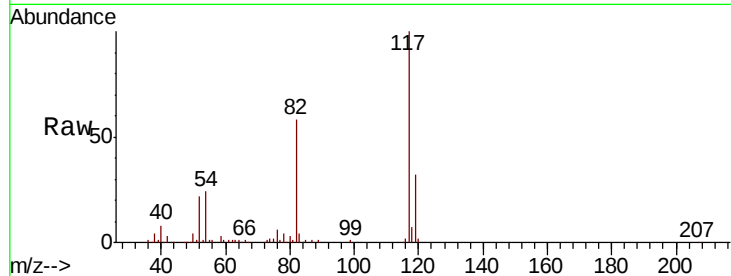




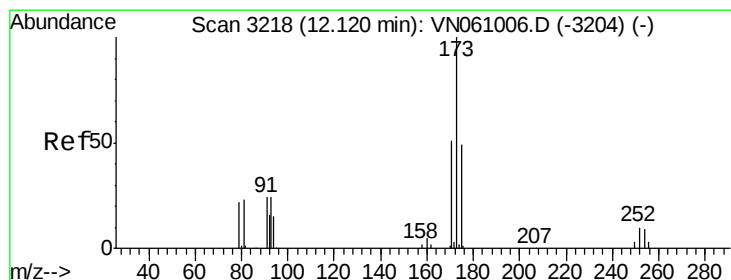
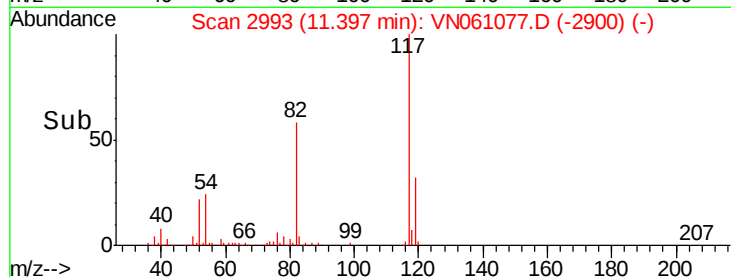
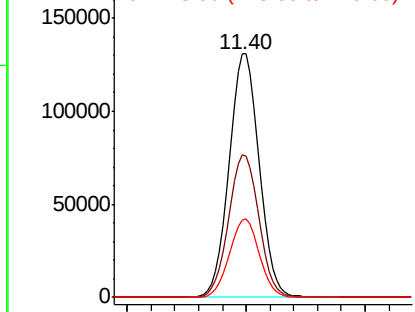
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061077.D
Acq: 18 Apr 2020 1:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 228978
Ion Ratio Lower Upper
117 100
82 58.5 47.1 70.7
119 31.8 25.7 38.5

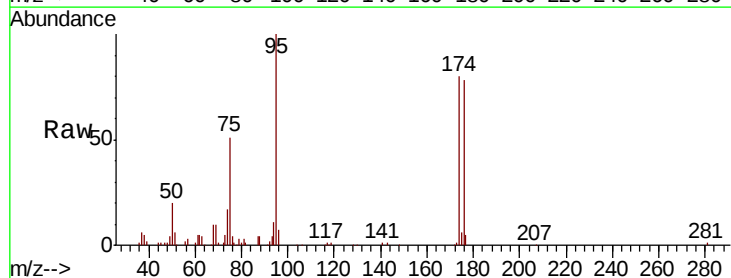


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

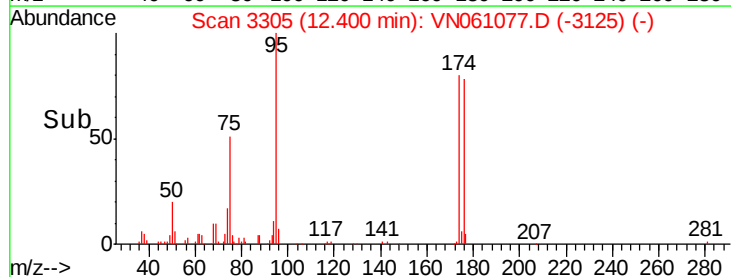
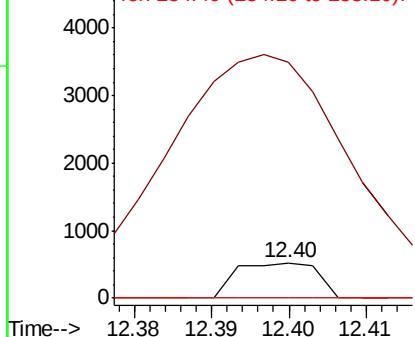


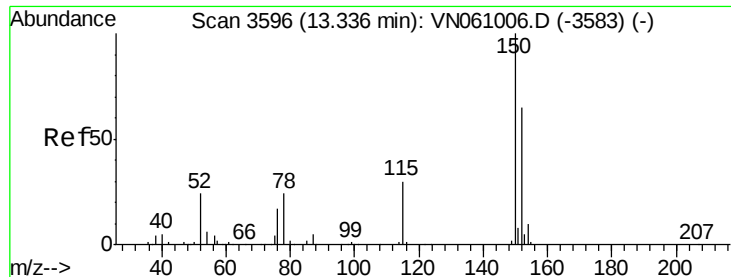
#71
Bromoform
Concen: 0.302 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN061077.D
Acq: 18 Apr 2020 1:59

Tgt Ion:173 Resp: 381
Ion Ratio Lower Upper
173 100
175 1380.3 24.5 73.5#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



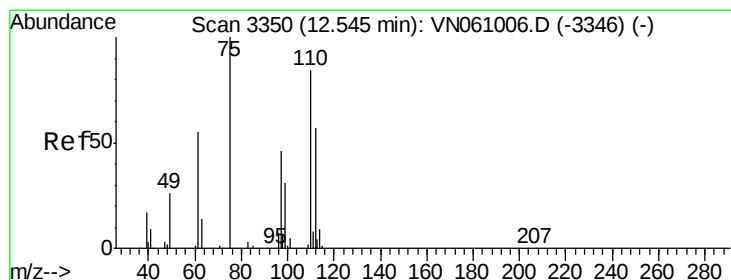
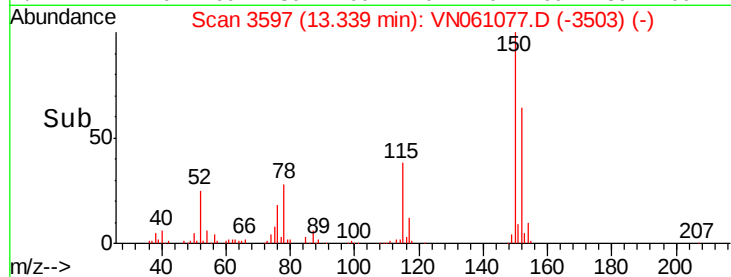
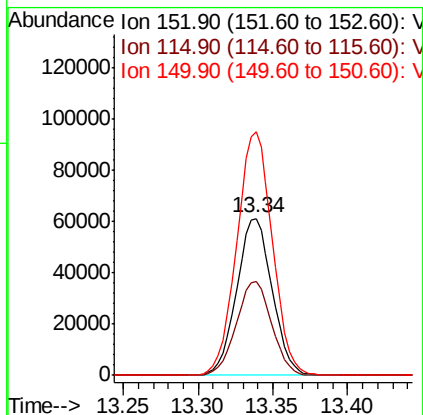
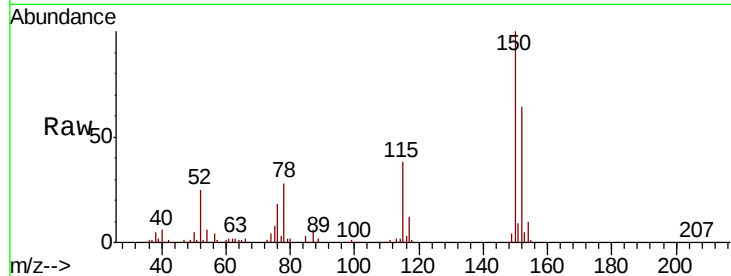


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061077.D
Acq: 18 Apr 2020 1:59

Instrument :
MSVOA_N
ClientSampleId :

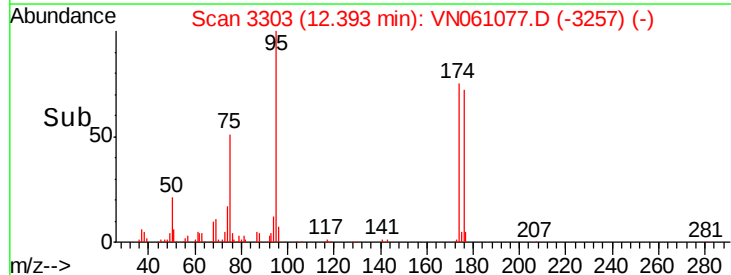
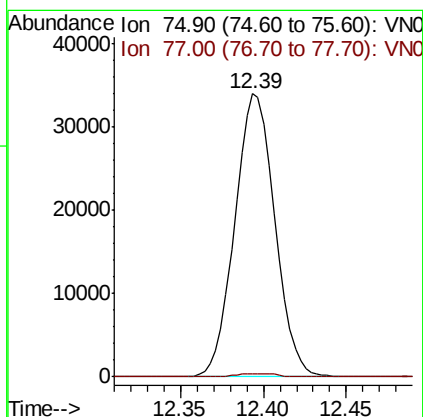
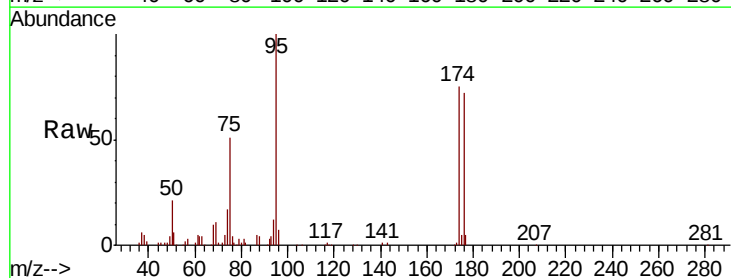
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.8	92.4
150	154.9	0.0	349.0

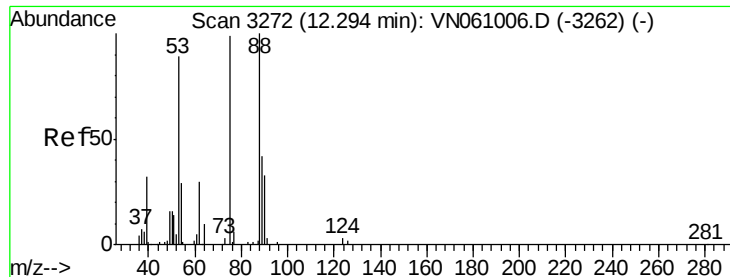


#76

1,2,3-Trichloropropane
Concen: 25.598 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN061077.D
Acq: 18 Apr 2020 1:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

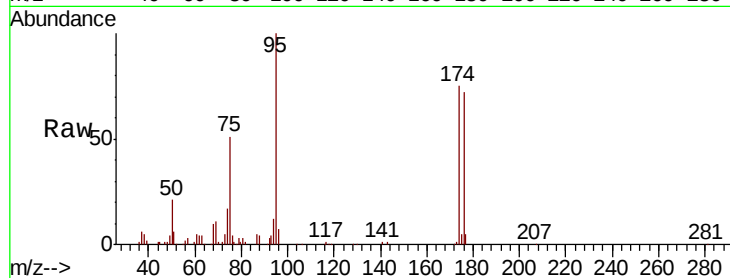




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.139 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN061077.D
 Acq: 18 Apr 2020 1:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 56951
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 53.00 (52.70 to 53.70): VNO
 Ion 88.90 (88.60 to 89.60): VNO

