

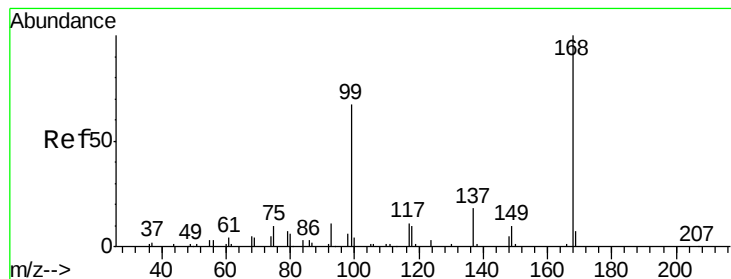
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061236.D
 Acq On : 1 May 2020 17:27
 Operator : JC/MD
 Sample : L2467-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-TB12-200428

Quant Time: May 04 00:55:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	116845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	200126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	92463	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
35) Dibromofluoromethane	7.55	113	62271	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	10.06	98	263736	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.38	95	95937	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
Target Compounds						
16) Acetone	3.78	43	3010	Below Cal		99
31) Cyclohexane	7.62	56	2913	1.083 ug/l #		8
36) 1,1-Dichloropropene	7.63	75	10432	4.969 ug/l #		50
38) Carbon Tetrachloride	7.63	117	12036	8.283 ug/l #		17
51) 4-Methyl-2-Pentanone	10.06	43	1335	0.555 ug/l #		1
71) Bromoform	12.38	173	488	0.467 ug/l #		1
76) 1,2,3-Trichloropropane	12.38	75	50955	27.289 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	50955	69.301 ug/l #		8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061236.D

Acq: 1 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

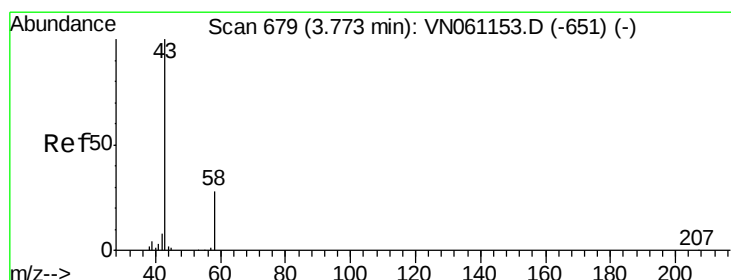
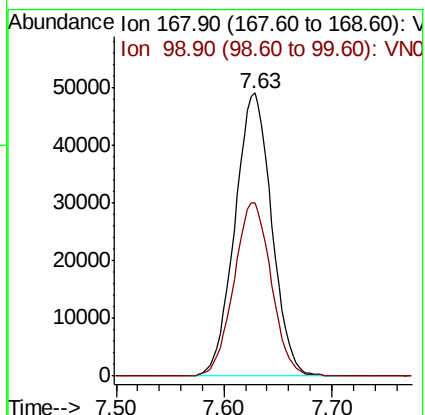
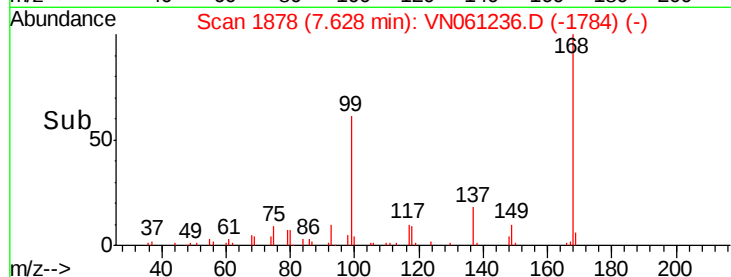
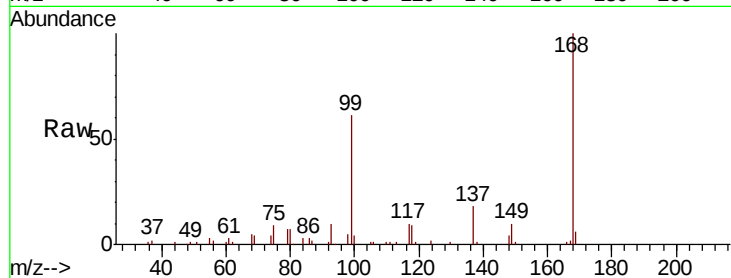
Z3-TB12-200428

Tot Ion:168 Resp: 116845

Ion Ratio Lower Upper

168 100

99 61.3 51.2 76.8



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061236.D

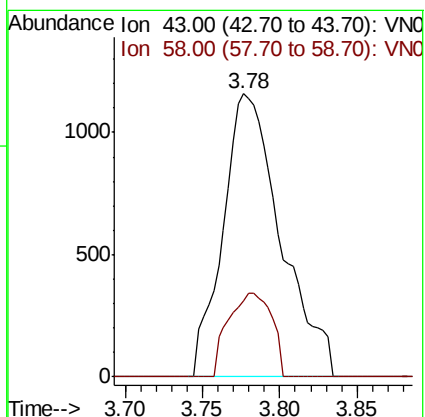
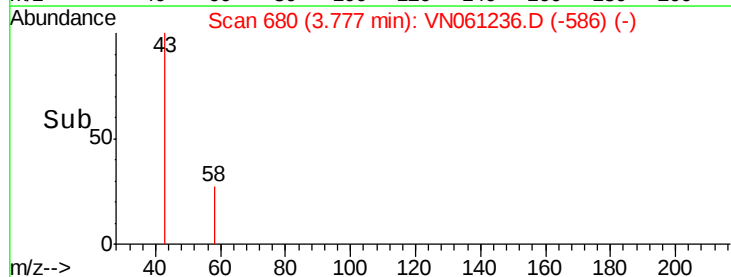
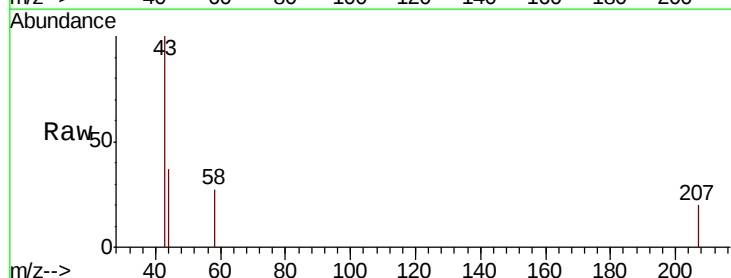
Acq: 1 May 2020 17:27

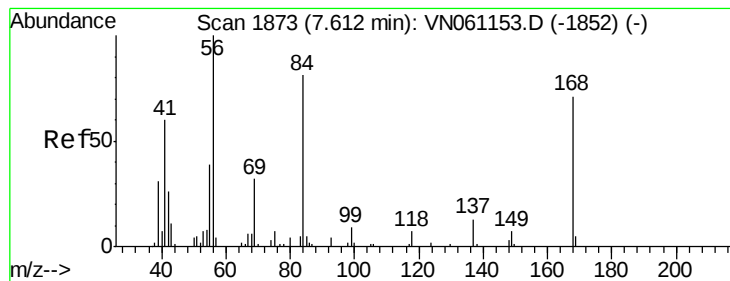
Tgt Ion: 43 Resp: 3010

Ion Ratio Lower Upper

43 100

58 26.9 22.2 33.2





#31

Cyclohexane

Concen: 1.083 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. 0.01 min

Lab File: VN061236.D

Acq: 1 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

Z3-TB12-200428

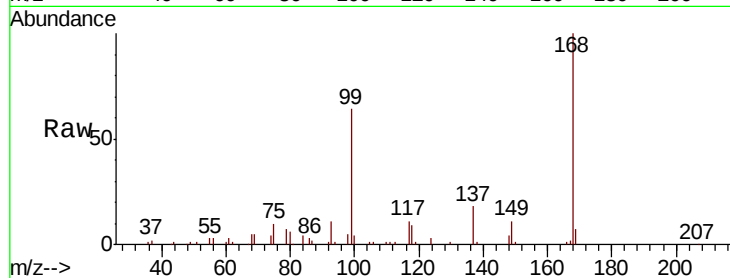
Tot Ion: 56 Resp: 2913

Ion Ratio Lower Upper

56 100

69 152.9 25.7 38.5#

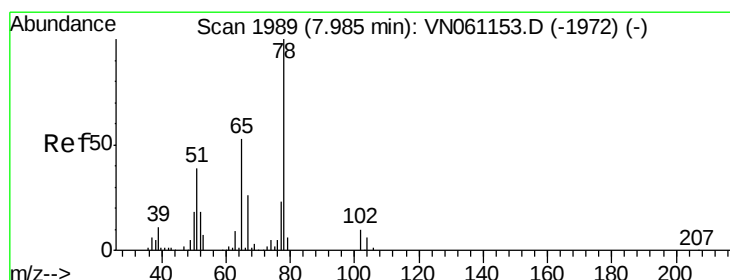
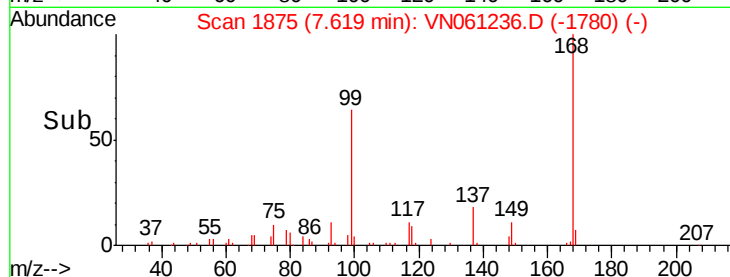
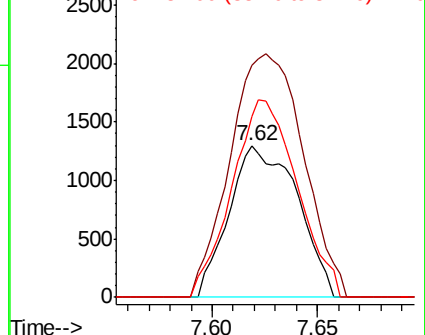
84 118.7 64.6 97.0#



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: 50.011 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061236.D

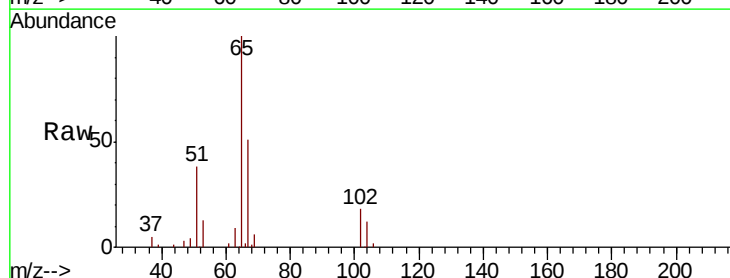
Acq: 1 May 2020 17:27

Tgt Ion: 65 Resp: 92463

Ion Ratio Lower Upper

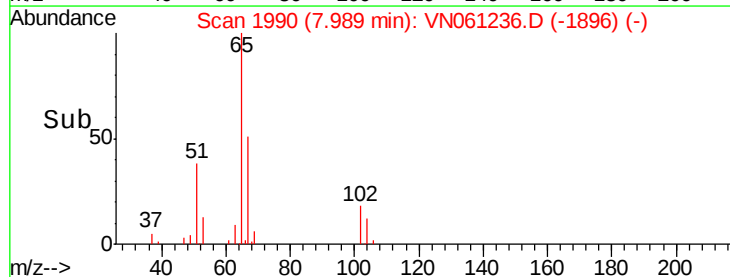
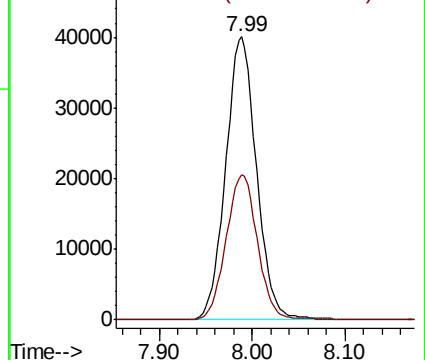
65 100

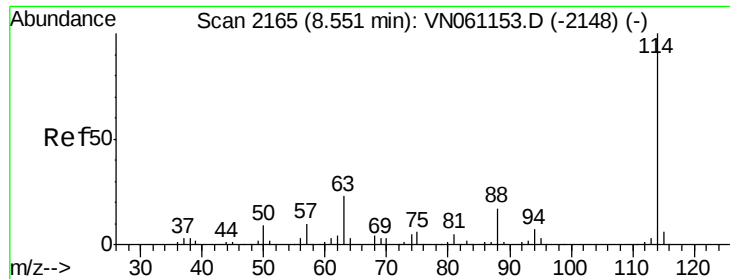
67 52.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

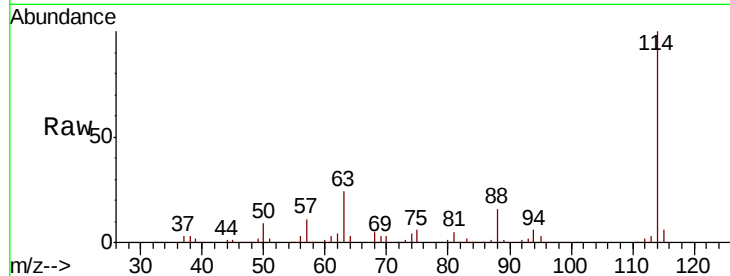




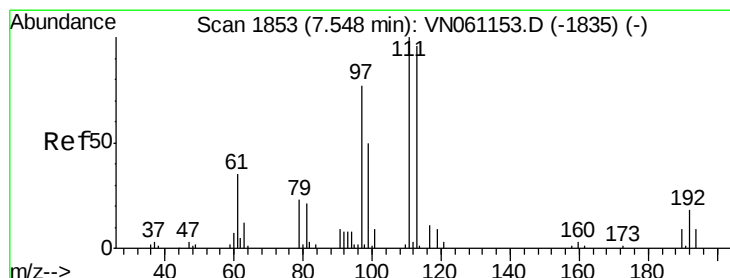
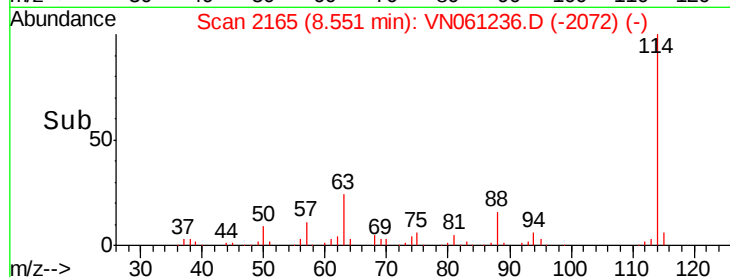
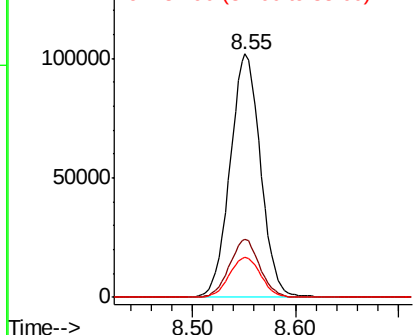
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061236.D
 Acq: 1 May 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-TB12-200428

Tot Ion:114 Resp: 209710
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 46.6
 88 16.3 0.0 33.4

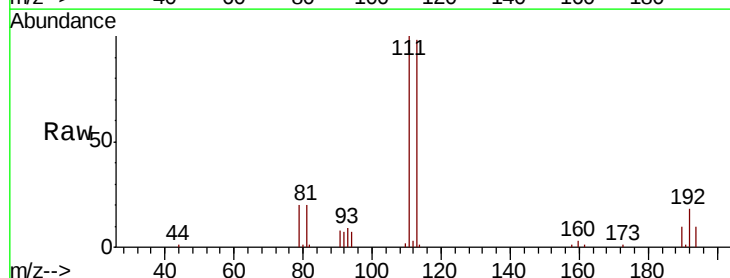


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

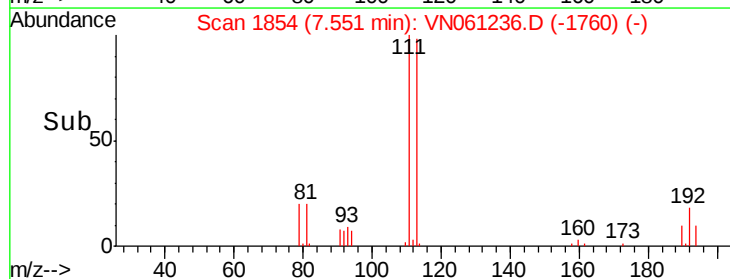
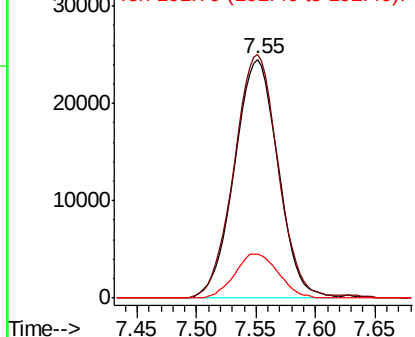


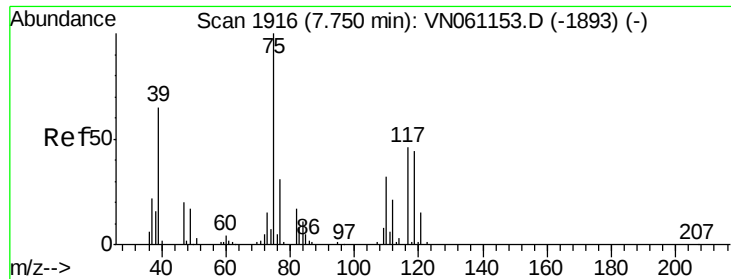
#35
 Dibromofluoromethane
 Concen: 50.216 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061236.D
 Acq: 1 May 2020 17:27

Tgt Ion:113 Resp: 62271
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 18.6 14.7 22.1



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

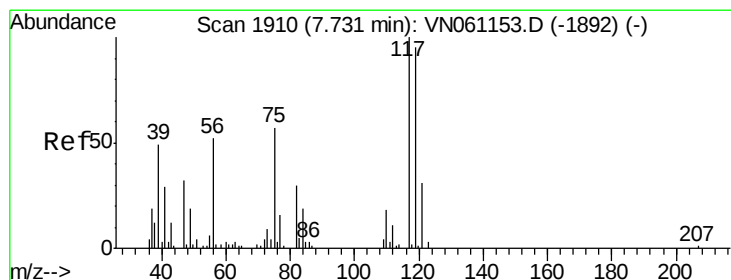
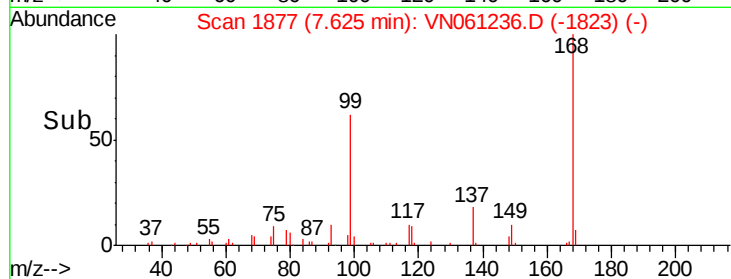
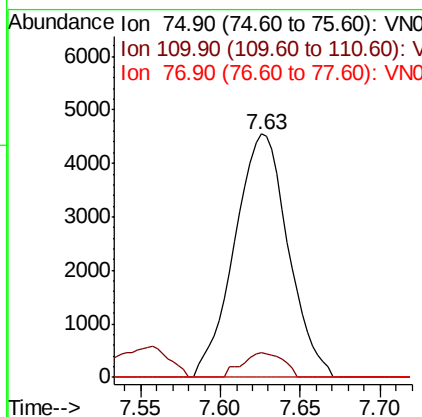
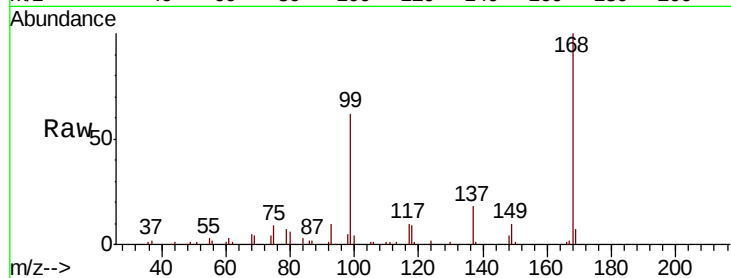




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061236.D
 Acq: 1 May 2020 17:27

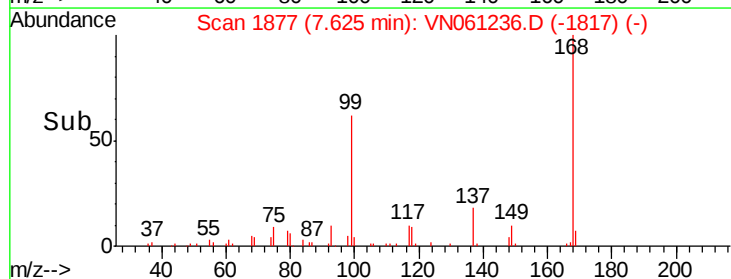
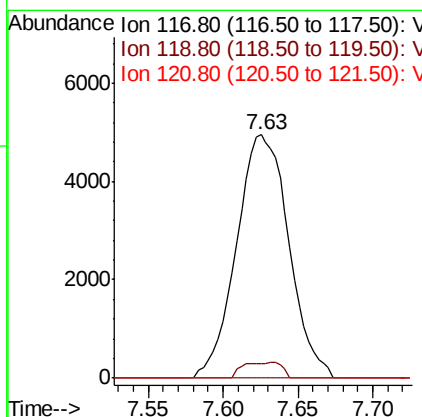
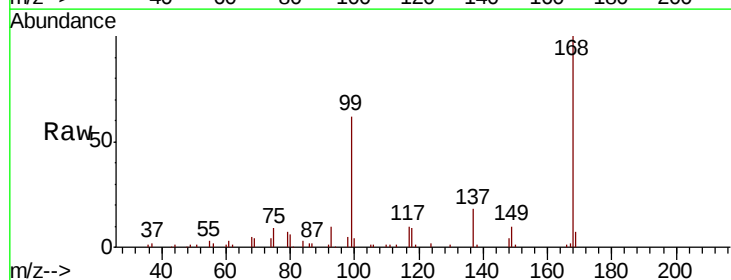
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-TB12-200428

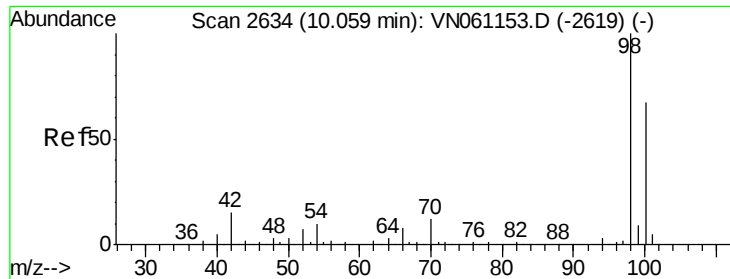
Tot Ion	75	Resp	10432
Ion Ratio	Lower	Upper	
75	100		
110	7.7	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 8.283 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061236.D
 Acq: 1 May 2020 17:27

Tgt Ion	117	Resp	12036
Ion Ratio	Lower	Upper	
117	100		
119	5.7	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.172 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061236.D

Acq: 1 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

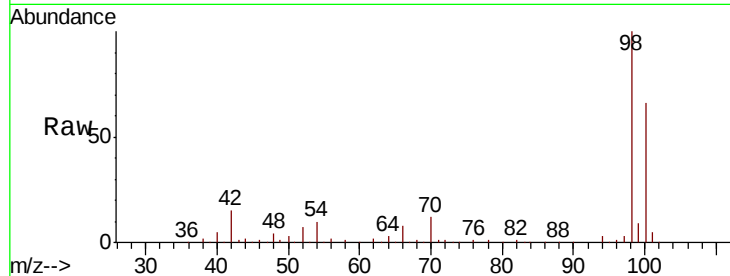
Z3-TB12-200428

Tot Ion: 98 Resp: 263736

Ion Ratio Lower Upper

98 100

100 65.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

10.06

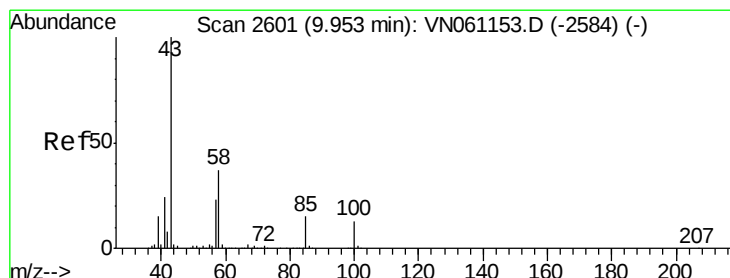
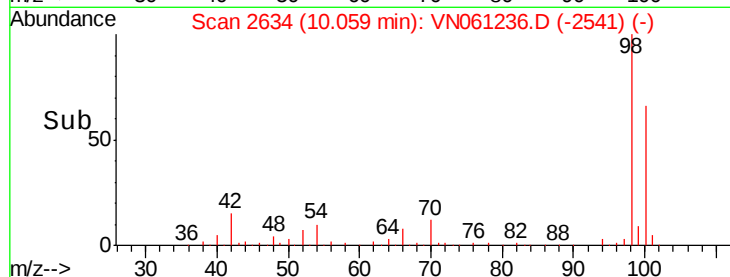
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.555 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061236.D

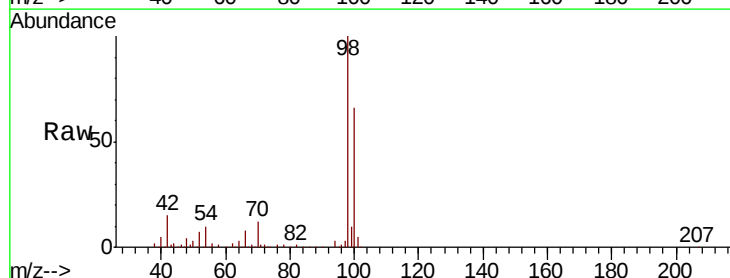
Acq: 1 May 2020 17:27

Tgt Ion: 43 Resp: 1335

Ion Ratio Lower Upper

43 100

58 183.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)

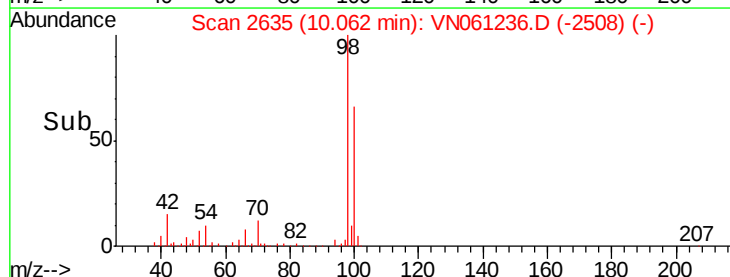
1500

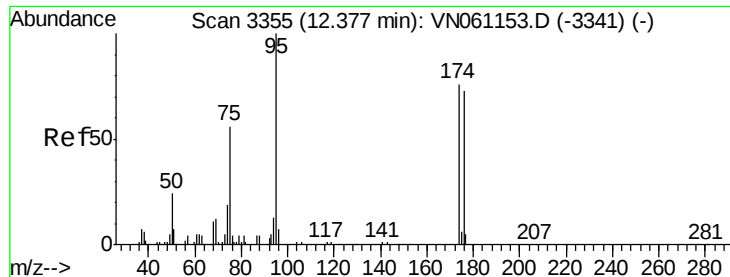
1000

500

0

Time-->

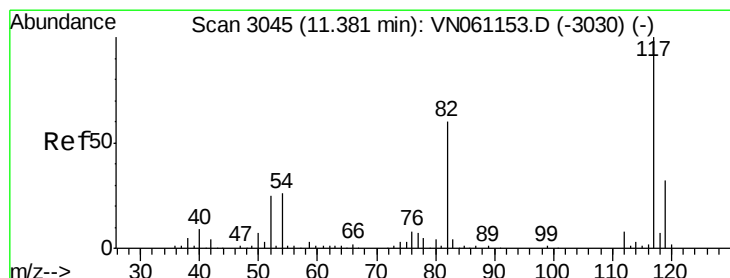
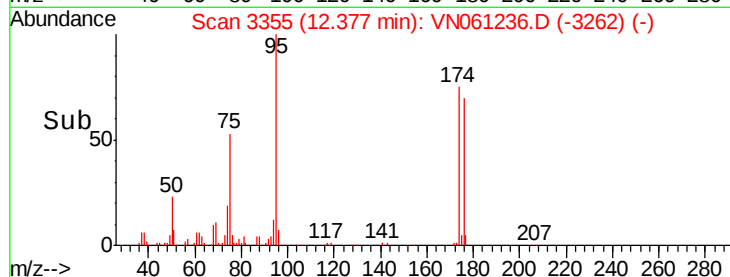
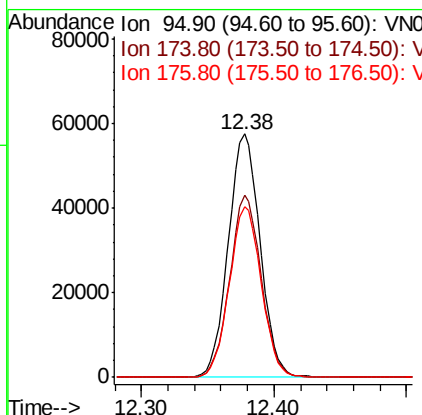
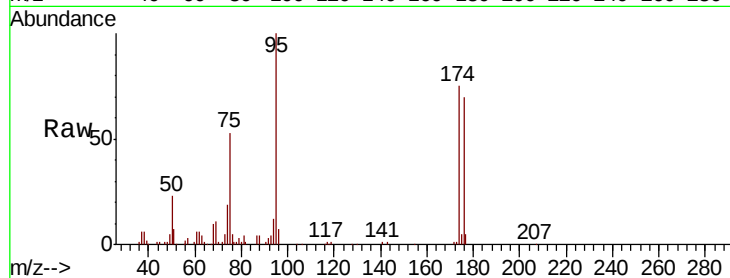




#62
4-Bromofluorobenzene
Concen: 50.431 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061236.D
Acq: 1 May 2020 17:27

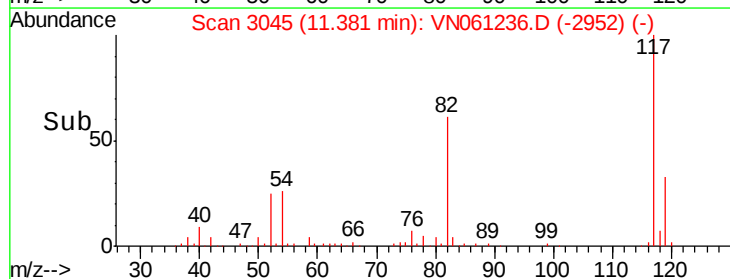
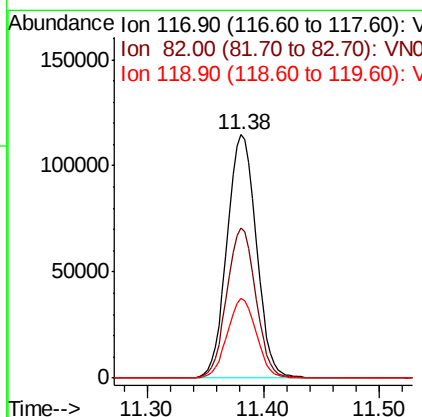
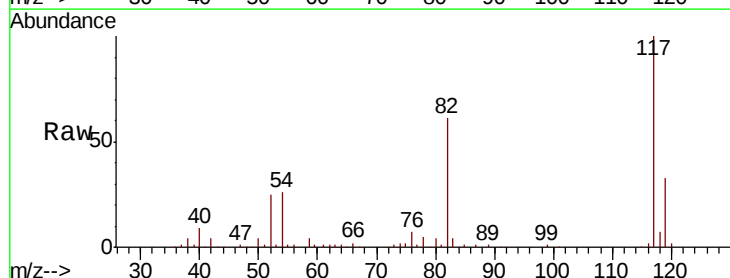
Instrument :
MSVOA_N
ClientSampleId :
Z3-TB12-200428

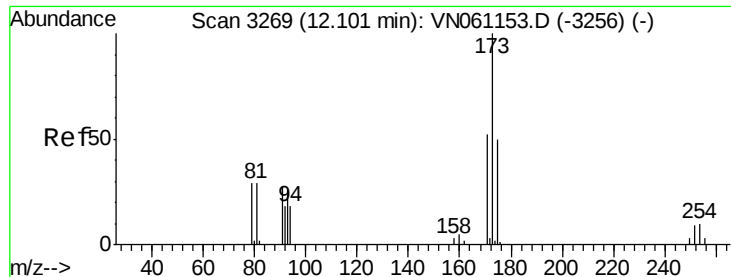
Tot Ion	95	Resp	95937
Ion Ratio	100		
Lower			
Upper			
174	74.1	0.0	149.4
176	70.4	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061236.D
Acq: 1 May 2020 17:27

Tgt Ion	117	Resp	200126
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	61.5	47.8	71.8
119	32.6	25.8	38.6





#71

Bromoform

Concen: 0.467 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.28 min

Lab File: VN061236.D

Acq: 1 May 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

Z3-TB12-200428

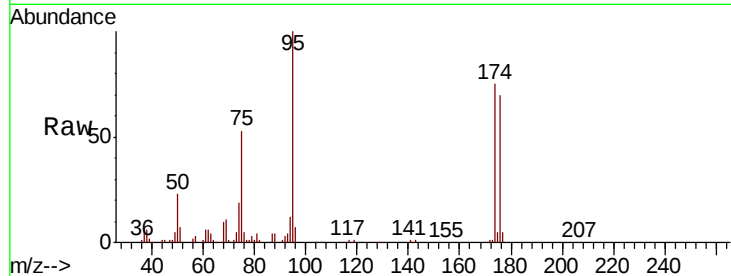
Tot Ion:173 Resp: 488

Ion Ratio Lower Upper

173 100

175 852.0 24.1 72.4#

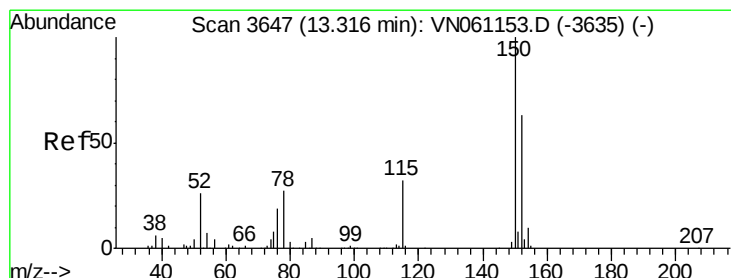
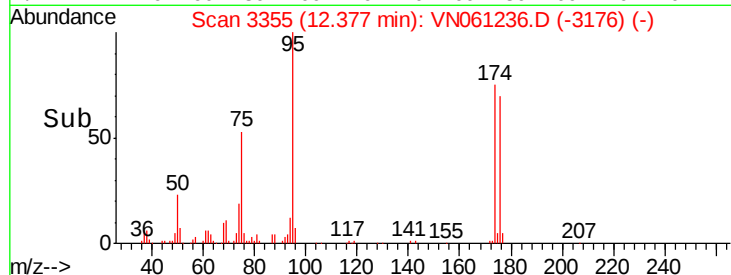
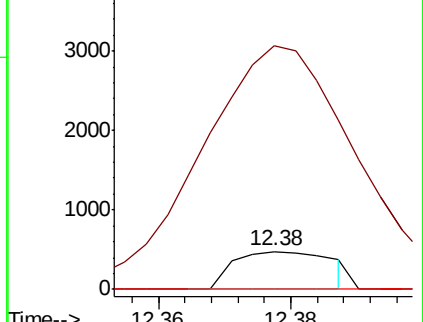
254 0.0 0.0 0.0



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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061236.D

Acq: 1 May 2020 17:27

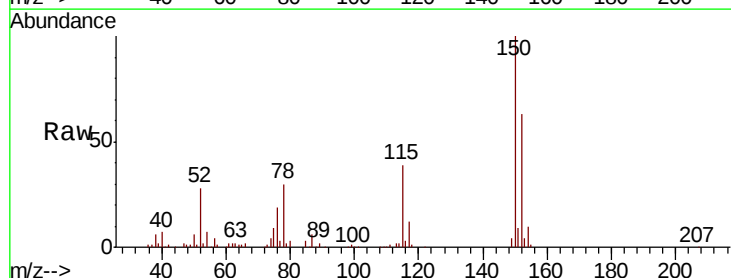
Tgt Ion:152 Resp: 88566

Ion Ratio Lower Upper

152 100

115 61.5 31.0 93.0

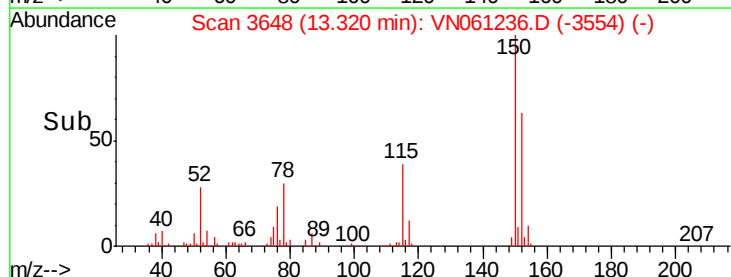
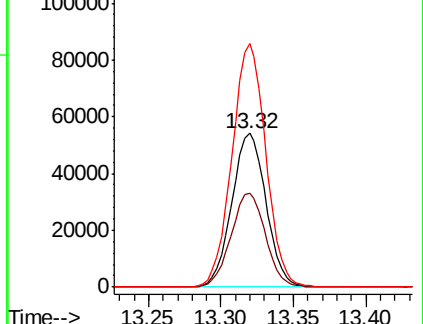
150 157.0 0.0 351.8

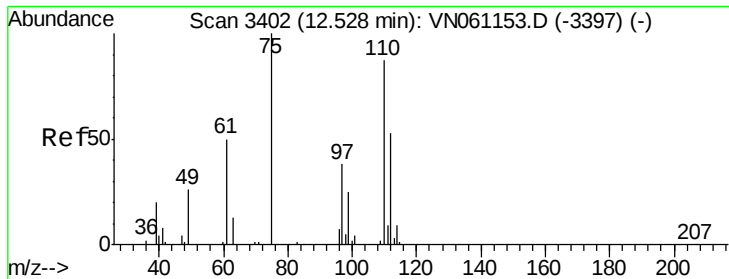


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

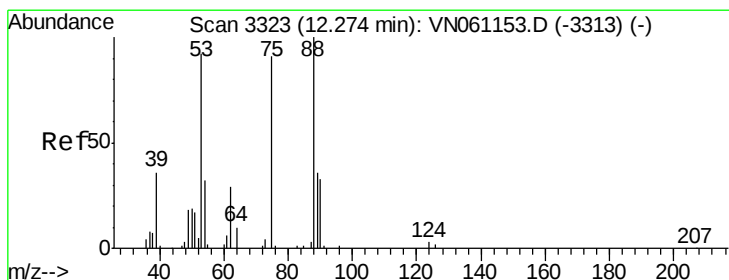
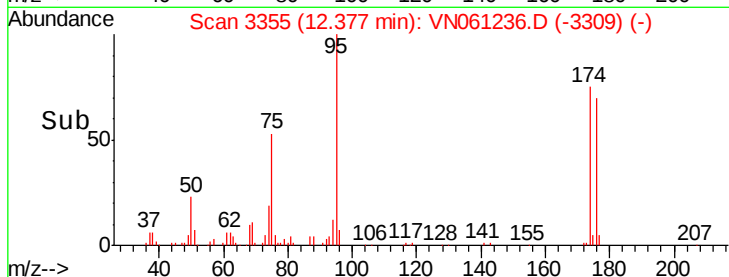
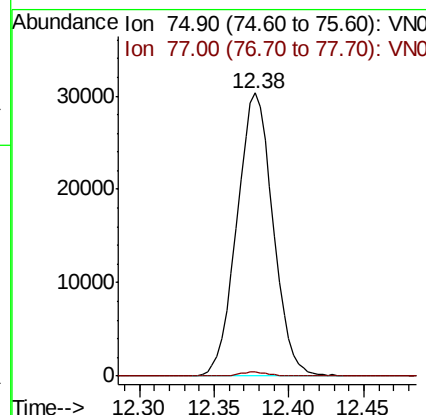
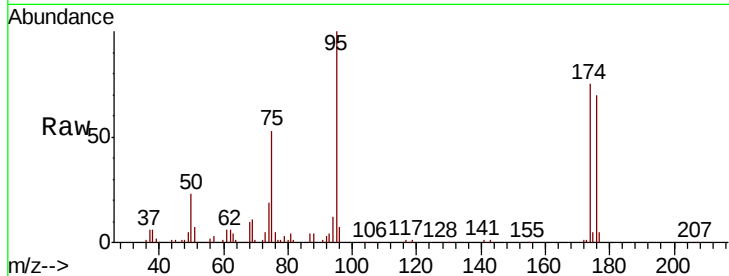




#76
 1,2,3-Trichloropropane
 Concen: 27.289 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061236.D
 Acq: 1 May 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-TB12-200428

Tot Ion: 75 Resp: 50955
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.301 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061236.D
 Acq: 1 May 2020 17:27

Tgt Ion: 75 Resp: 50955
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

