

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061298.D
 Acq On : 5 May 2020 17:38
 Operator : JC/MD
 Sample : L2514-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:51:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	95442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	173219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	165362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	78665	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
35) Dibromofluoromethane	7.55	113	51834	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.06	98	214498	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.38	95	79900	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	

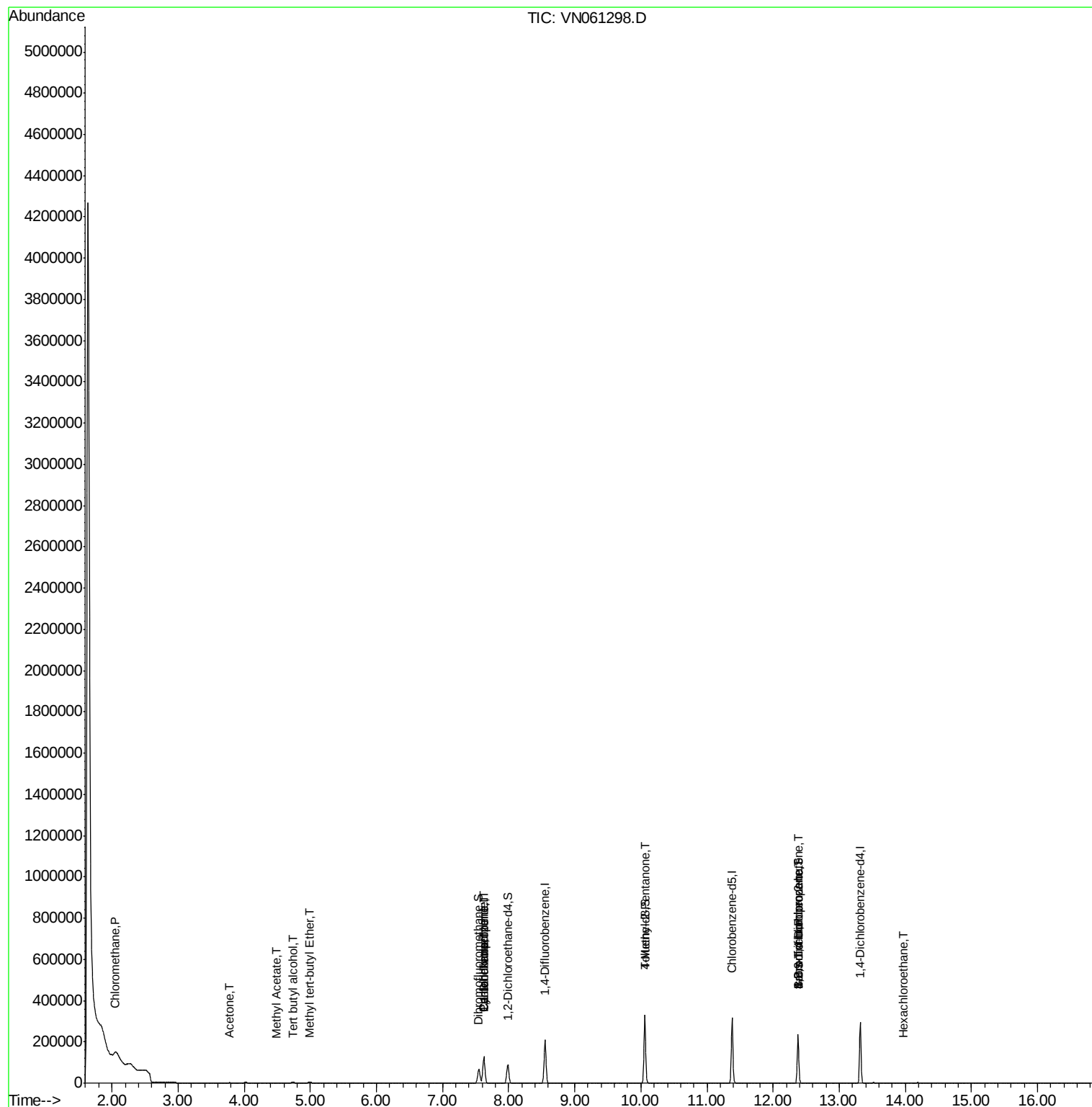
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	524	0.427	ug/l	98
11) Tert butyl alcohol	4.73	59	8276	40.909	ug/l #	82
16) Acetone	3.78	43	4290	1.862	ug/l	100
18) Methyl Acetate	4.50	43	97	0.729	ug/l #	55
19) Methyl tert-butyl Ether	4.99	73	8323	2.163	ug/l	97
31) Cyclohexane	7.62	56	2737	1.246	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	8733	5.036	ug/l #	50
38) Carbon Tetrachloride	7.63	117	10535	8.641	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1040	0.524	ug/l #	1
71) Bromoform	12.38	173	256	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	45319	28.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	45319	73.485	ug/l #	8
90) Hexachloroethane	13.97	117	973	9.315	ug/l #	14

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

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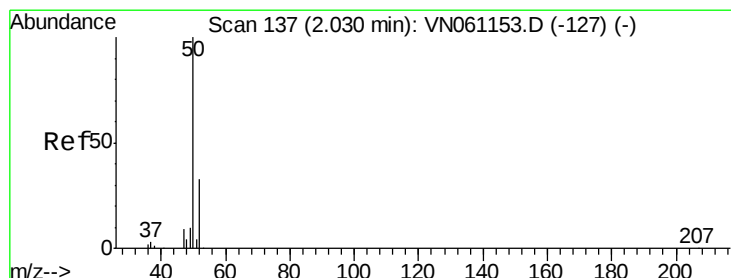
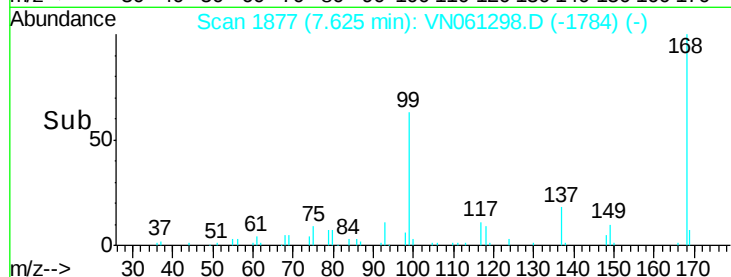
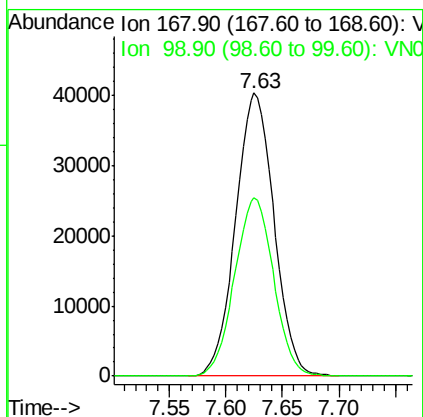
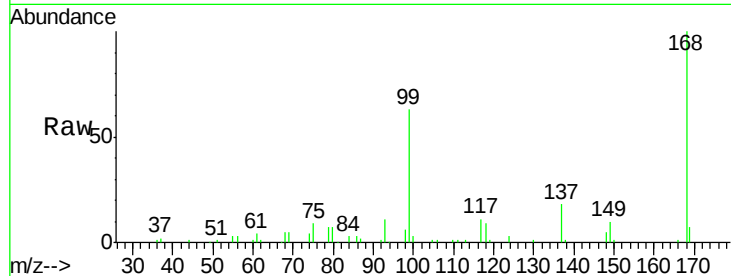




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

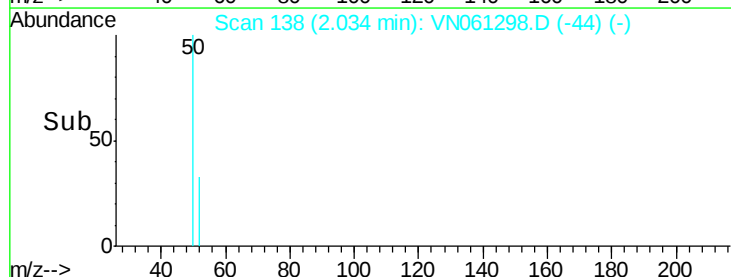
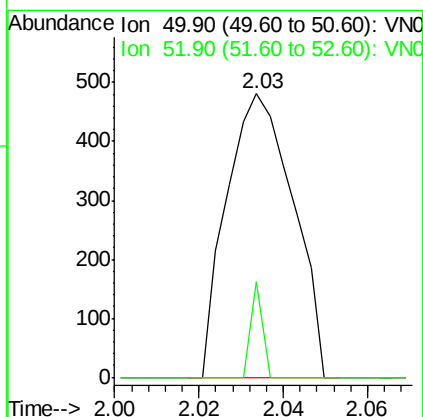
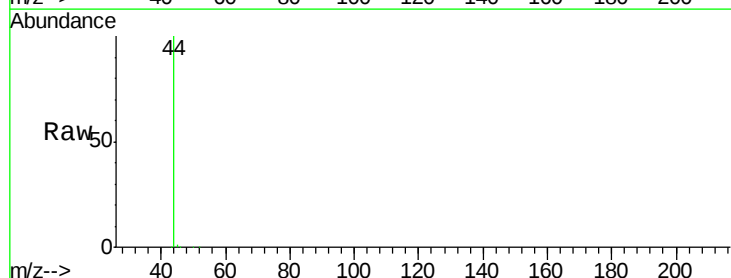
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MSVOA_N
ClientSampled :

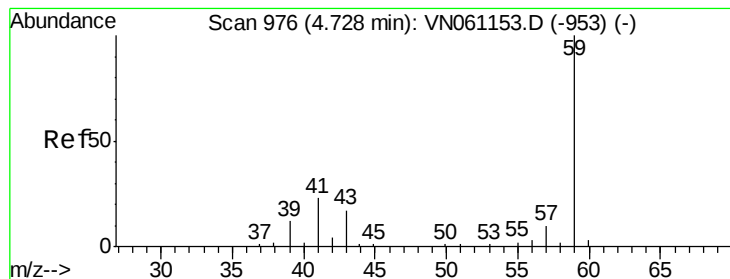
Tot Ion:168 Resp: 95442
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#3
Chloromethane
Concen: 0.427 ug/l
RT: 2.03 min Scan# 138
Delta R.T. 0.00 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

Tgt Ion: 50 Resp: 524
Ion Ratio Lower Upper
50 100
52 33.5 26.0 39.0



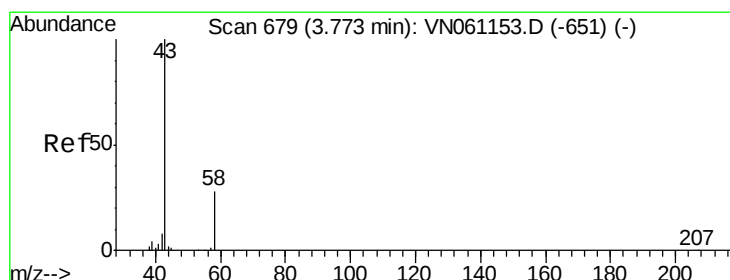
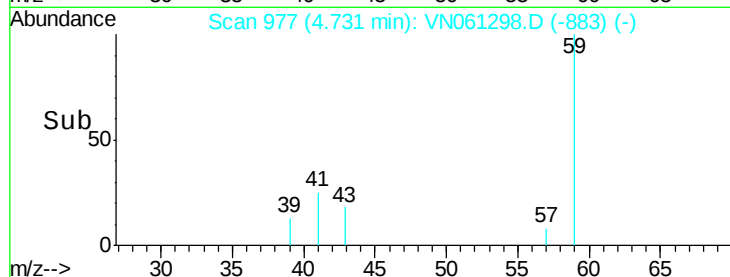
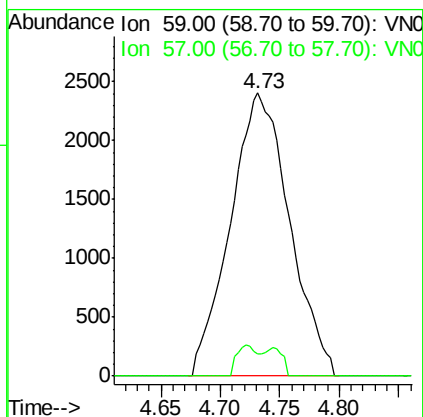
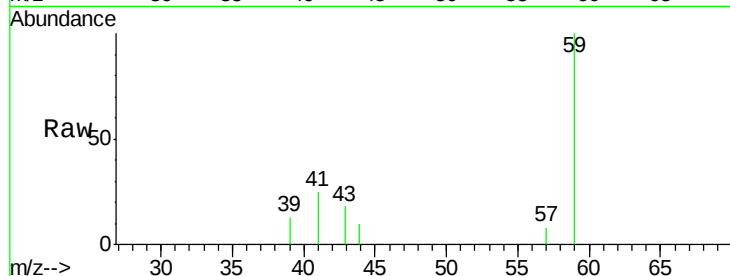


#11

Tert butyl alcohol
 Concen: 40.909 ug/l
 RT: 4.73 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VN061298.D
 Acq: 5 May 2020 17:38

Instrument :
 MSVOA_N
 ClientSampled :

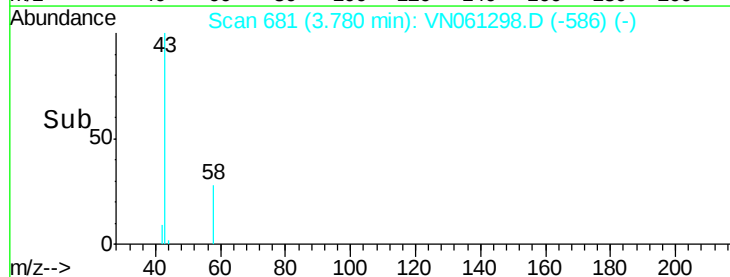
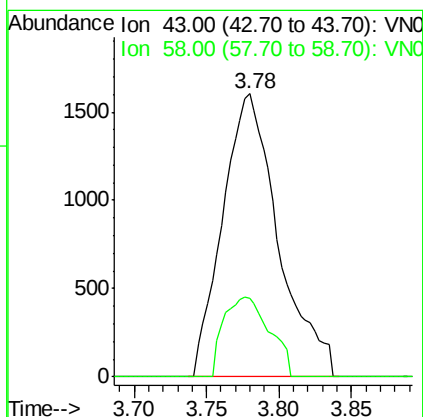
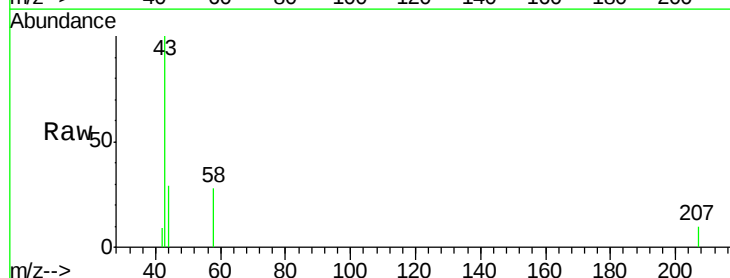
Tot Ion: 59 Resp: 8276
 Ion Ratio Lower Upper
 59 100
 57 3.6 8.3 12.5#

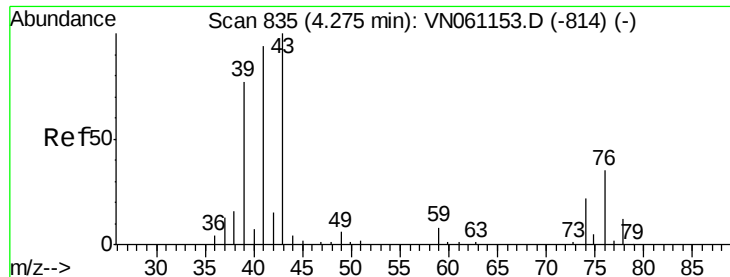


#16

Acetone
 Concen: 1.862 ug/l
 RT: 3.78 min Scan# 681
 Delta R.T. 0.01 min
 Lab File: VN061298.D
 Acq: 5 May 2020 17:38

Tgt Ion: 43 Resp: 4290
 Ion Ratio Lower Upper
 43 100
 58 27.8 22.2 33.2

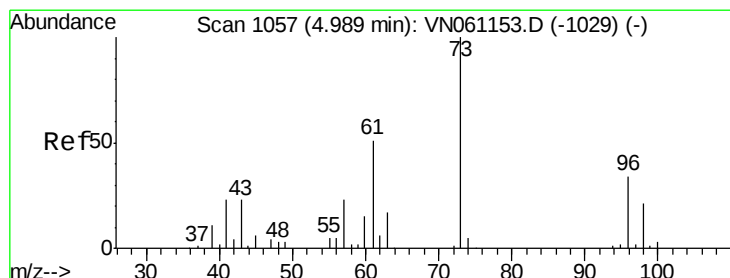
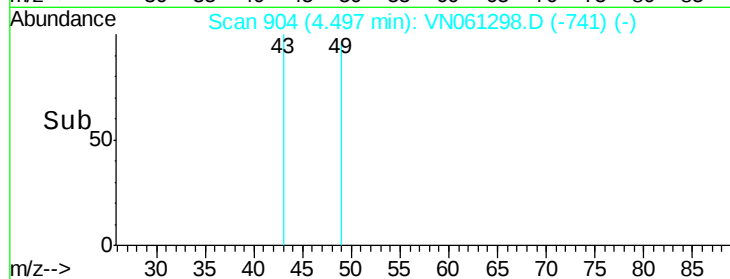
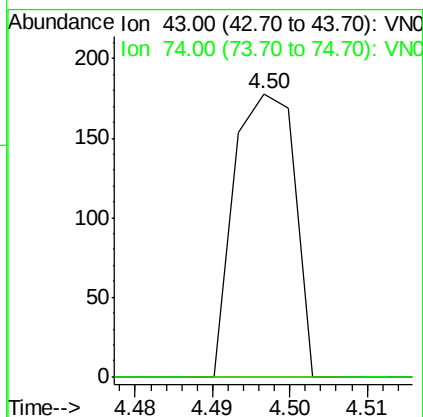
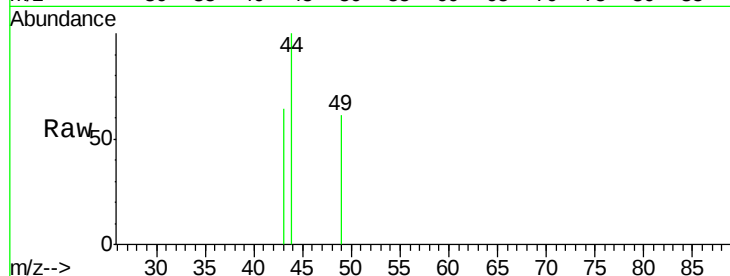




#18
Methyl Acetate
Concen: 0.729 ug/l
RT: 4.50 min Scan# 904
Delta R.T. 0.22 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

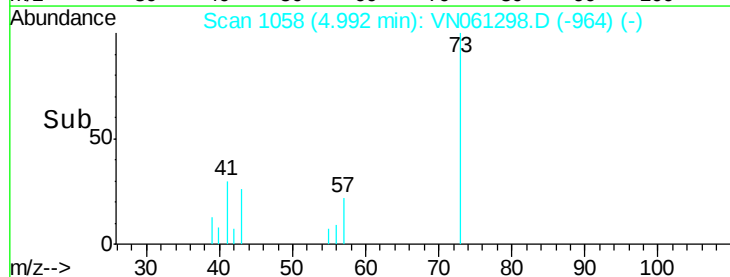
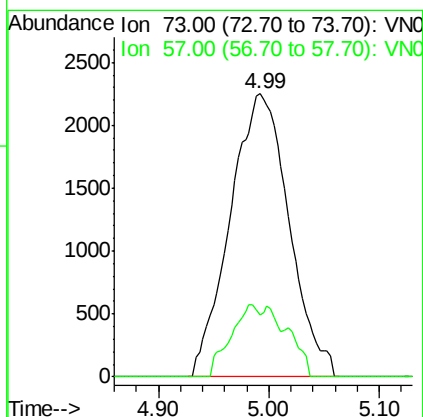
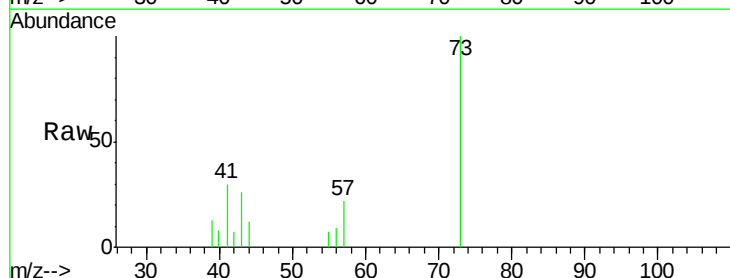
Instrument :
MSVOA_N
ClientSampled :

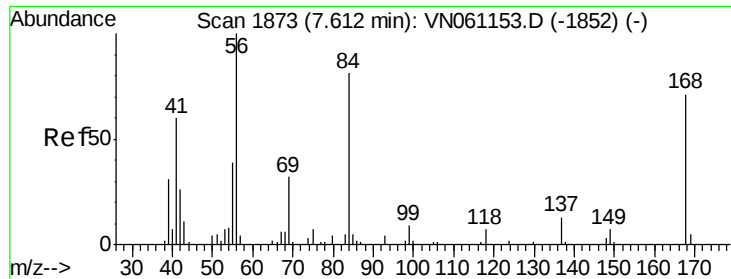
Tot Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#19
Methyl tert-butyl Ether
Concen: 2.163 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

Tgt Ion: 73 Resp: 8323
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5

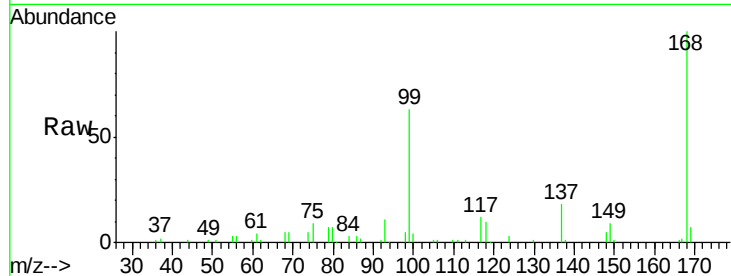




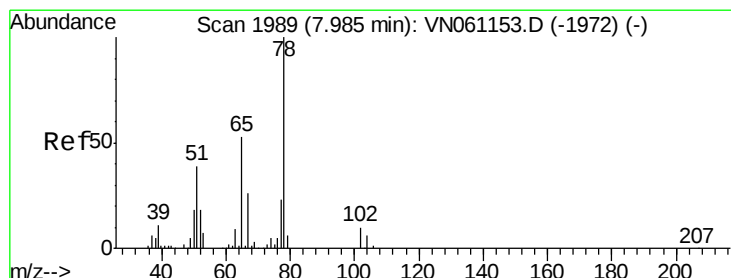
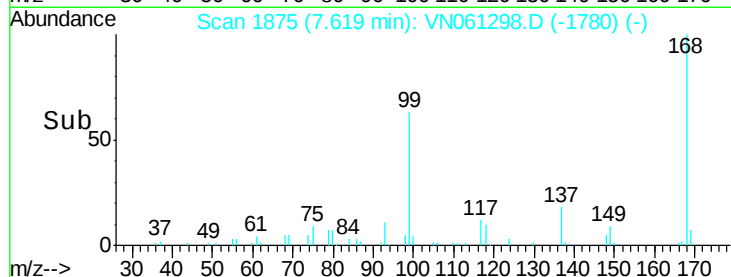
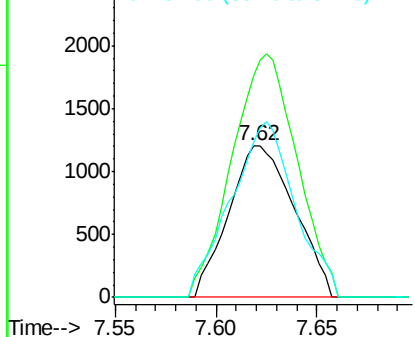
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2737
Ion Ratio Lower Upper
56 100
69 146.1 25.7 38.5#
84 102.0 64.6 97.0#

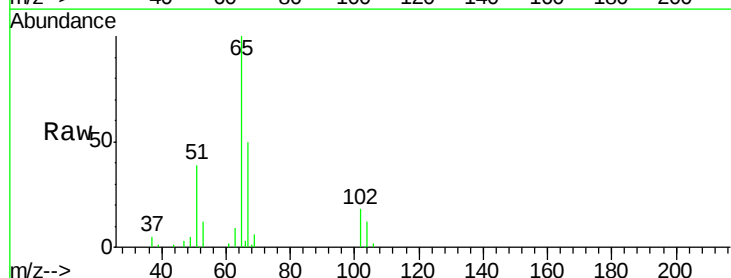


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

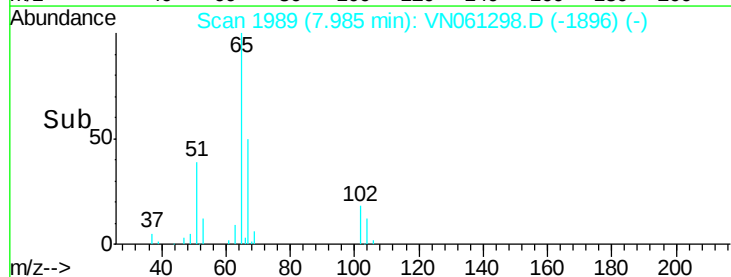
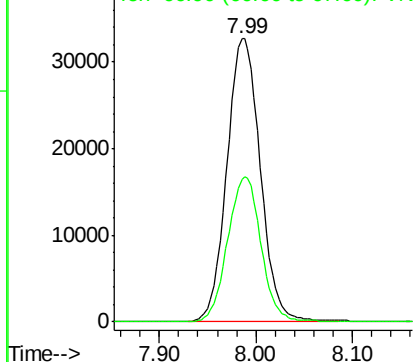


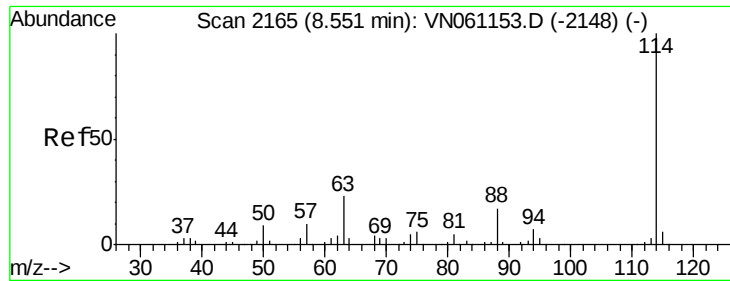
#33
1,2-Dichloroethane-d4
Concen: 52.090 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

Tgt Ion: 65 Resp: 78665
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.6



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

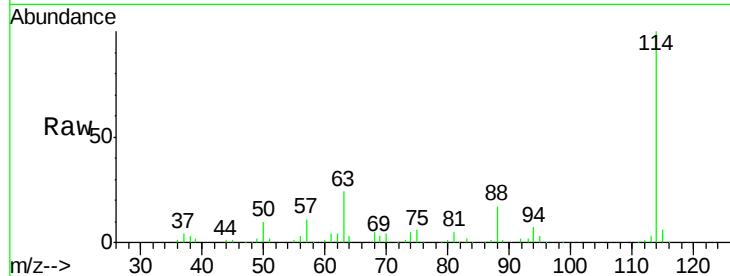




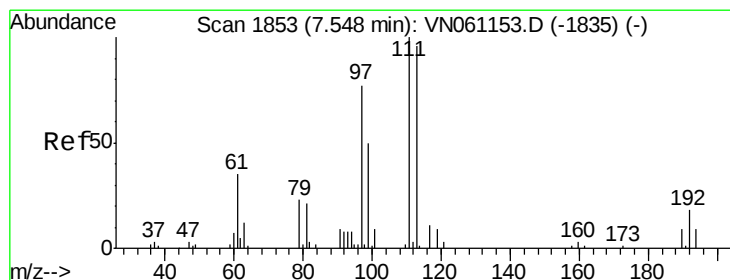
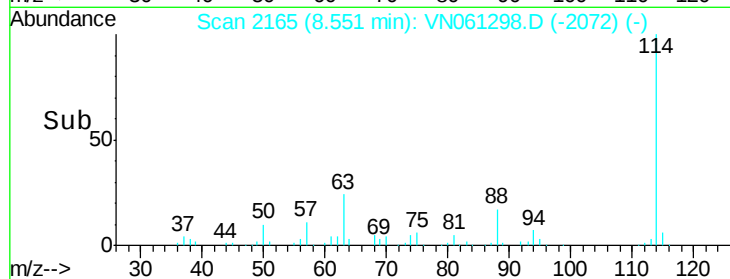
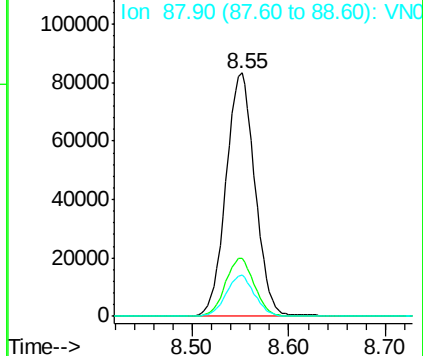
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061298.D
 Acq: 5 May 2020 17:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 173219
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.6
 88 16.7 0.0 33.4

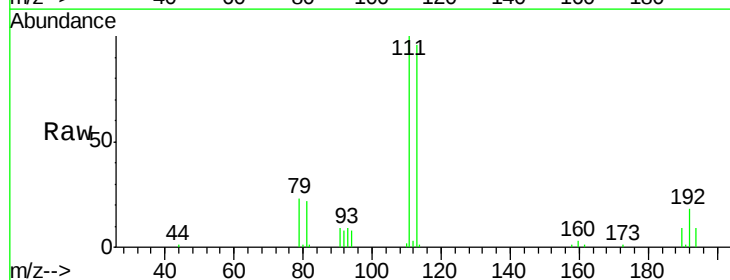


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

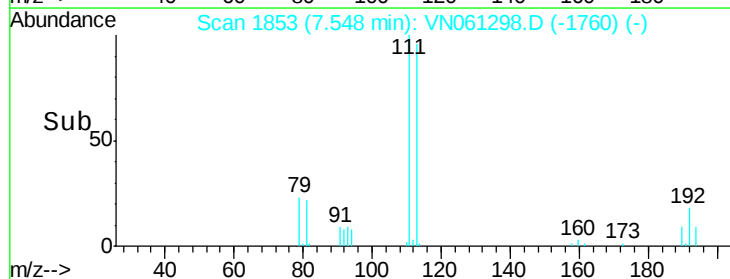
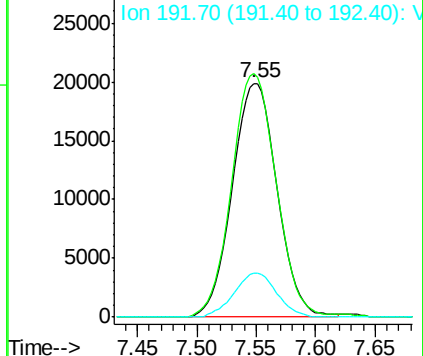


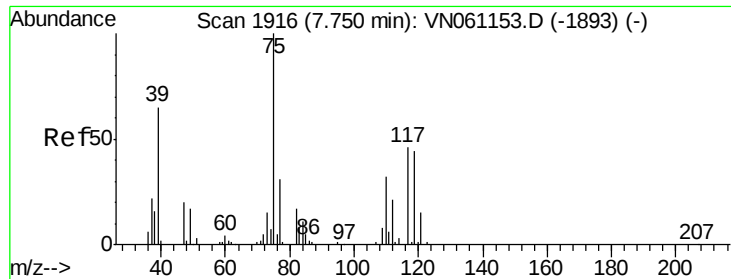
#35
 Dibromofluoromethane
 Concen: 50.605 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061298.D
 Acq: 5 May 2020 17:38

Tgt Ion:113 Resp: 51834
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 17.8 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

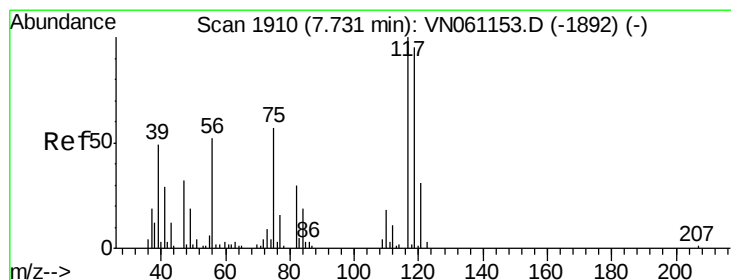
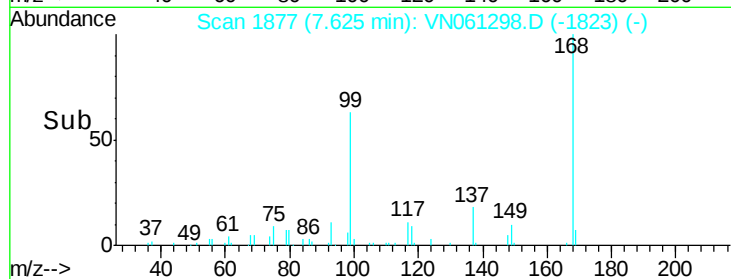
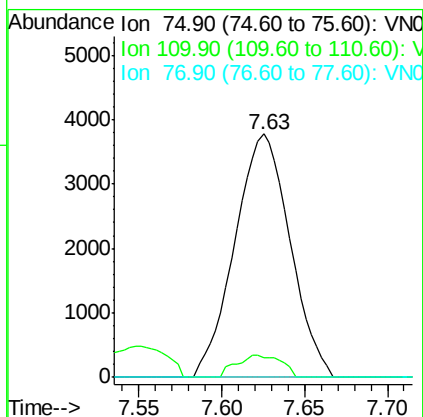
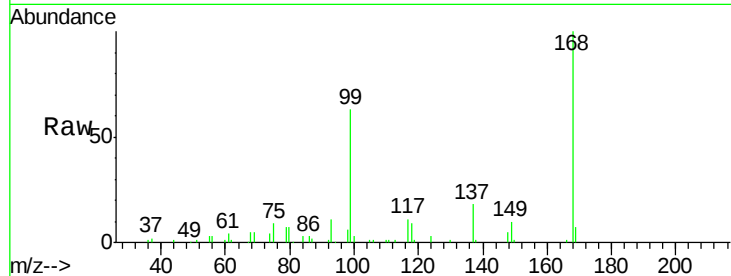




#36
 1,1-Dichloropropene
 Concen: 5.036 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061298.D
 Acq: 5 May 2020 17:38

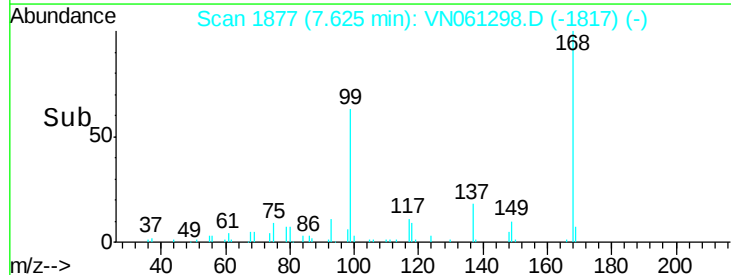
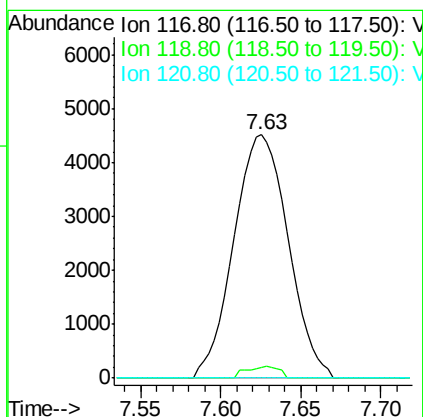
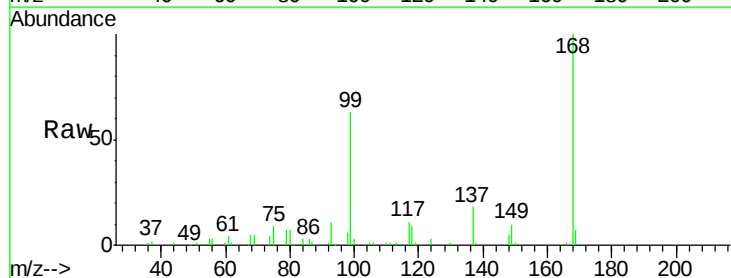
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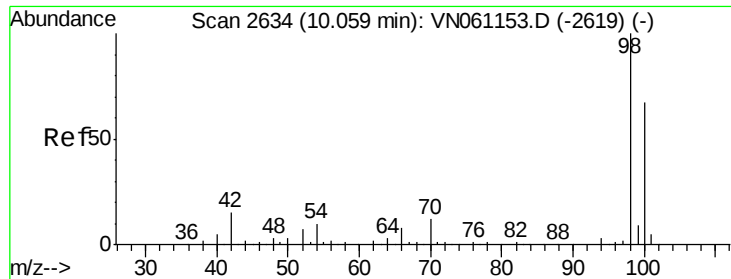
Tot Ion: 75 Resp: 8733
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.641 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061298.D
 Acq: 5 May 2020 17:38

Tgt Ion: 117 Resp: 10535
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.370 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061298.D

Acq: 5 May 2020 17:38

Instrument :

MSVOA_N

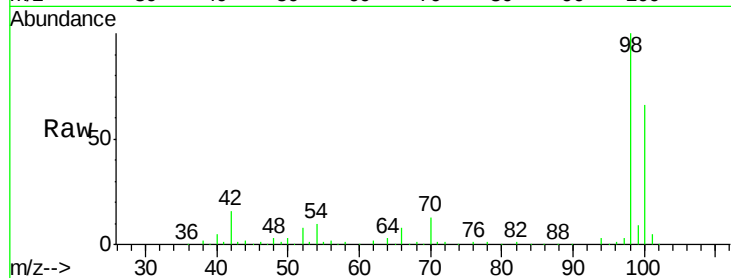
ClientSampled :

Tot Ion: 98 Resp: 214498

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) (-)

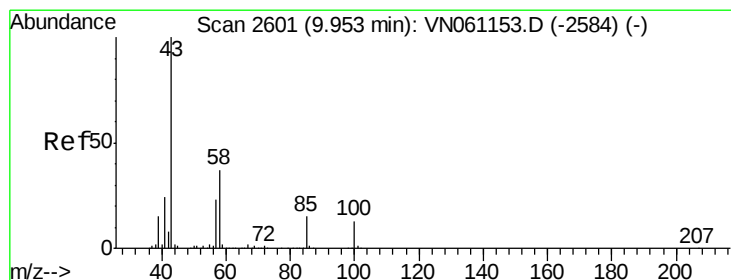
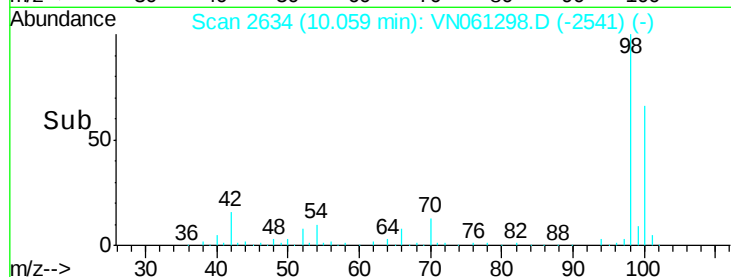
10.06

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.524 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061298.D

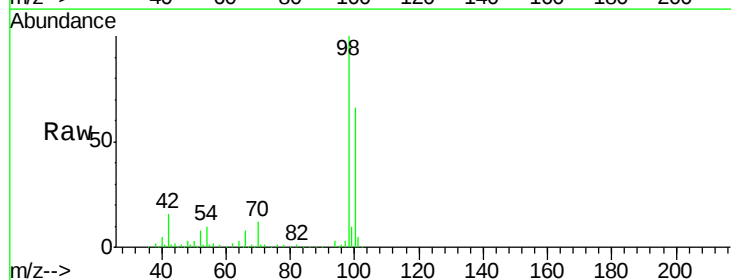
Acq: 5 May 2020 17:38

Tgt Ion: 43 Resp: 1040

Ion Ratio Lower Upper

43 100

58 197.9 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) (-)

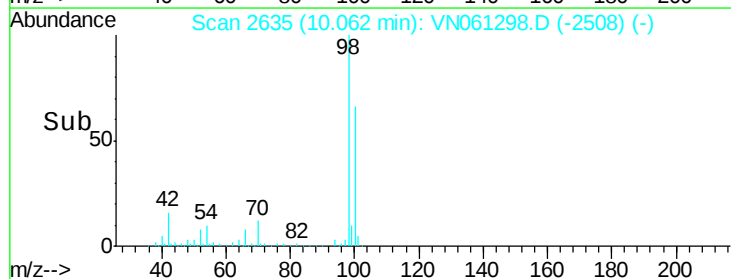
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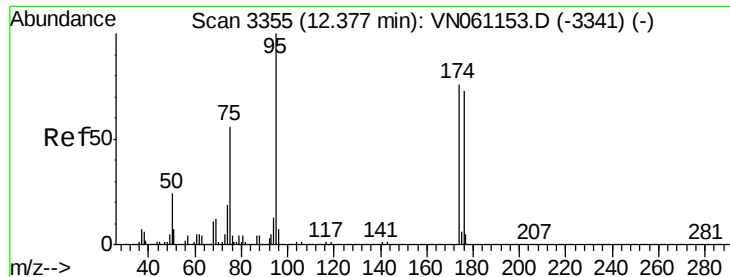
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500

0

Time-->

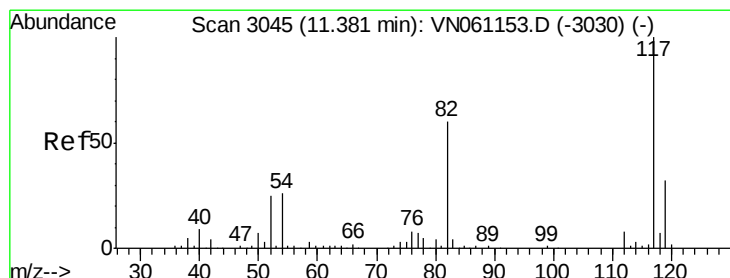
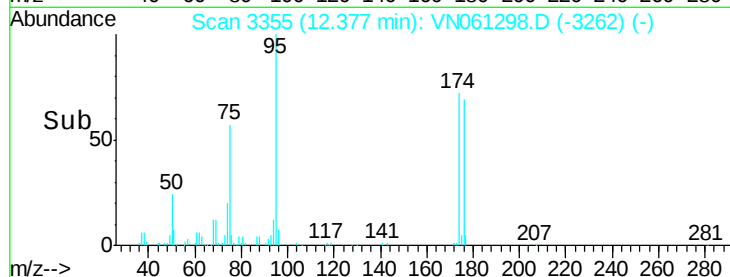
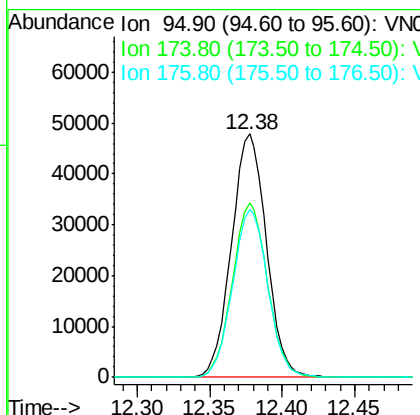
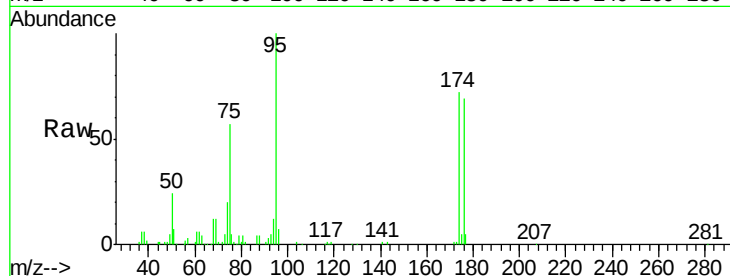




#62
4-Bromofluorobenzene
Concen: 50.849 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

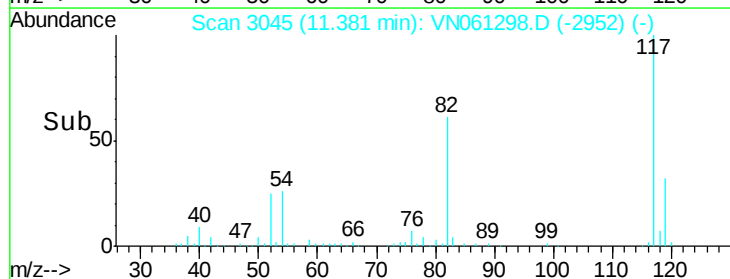
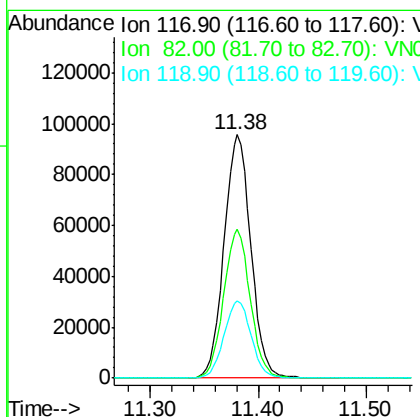
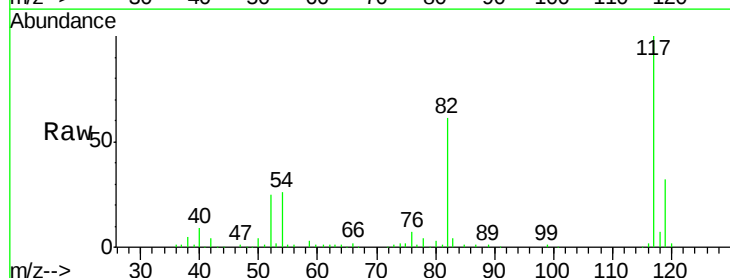
Instrument :
MSVOA_N
ClientSampleId :

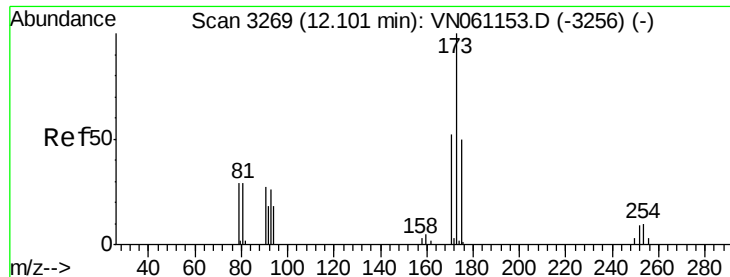
Tot Ion: 95 Resp: 79900
Ion Ratio Lower Upper
95 100
174 72.0 0.0 149.4
176 69.7 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061298.D
Acq: 5 May 2020 17:38

Tgt Ion: 117 Resp: 165362
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 31.7 25.8 38.6





#71

Bromoform

Concen: 0.297 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.28 min

Lab File: VN061298.D

Acq: 5 May 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

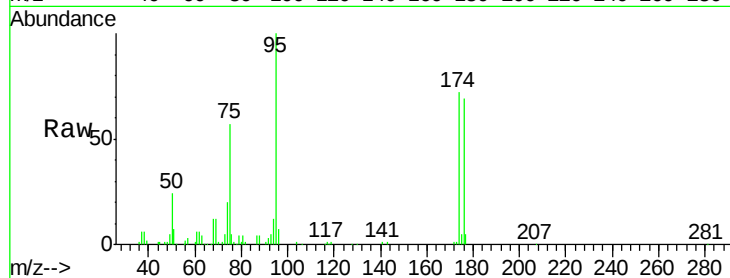
Tot Ion:173 Resp: 256

Ion Ratio Lower Upper

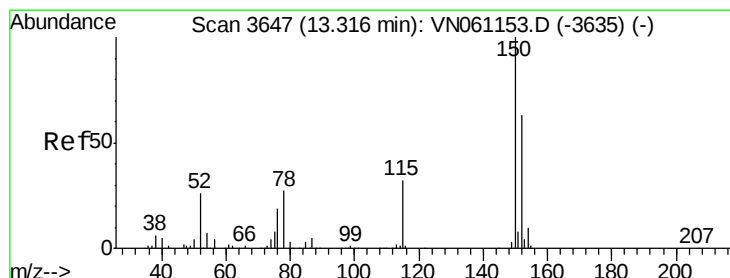
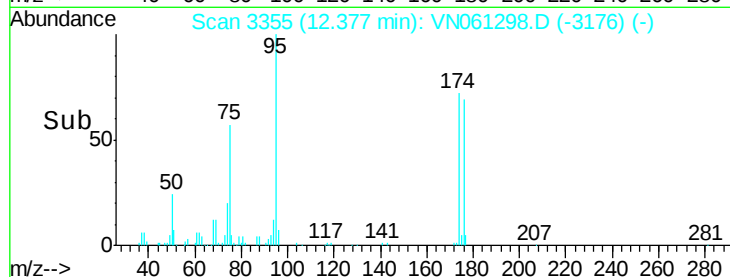
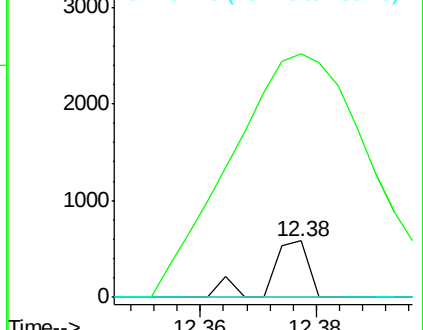
173 100

175 1394.5 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: VN061298.D

Acq: 5 May 2020 17:38

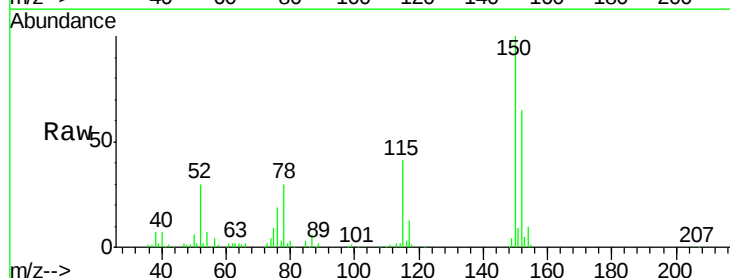
Tgt Ion:152 Resp: 74285

Ion Ratio Lower Upper

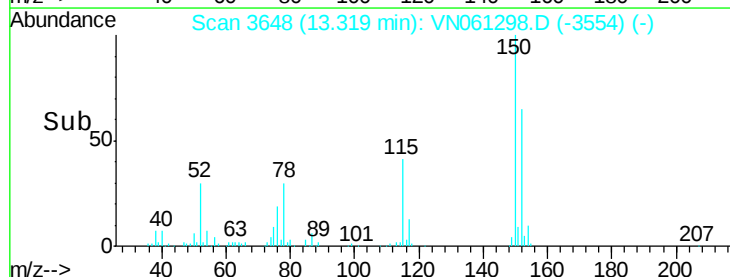
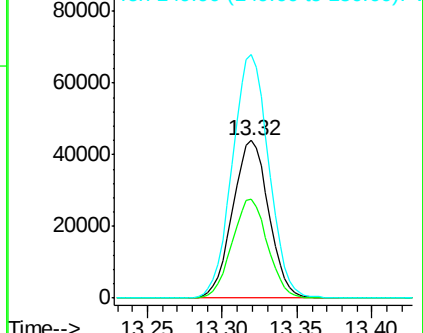
152 100

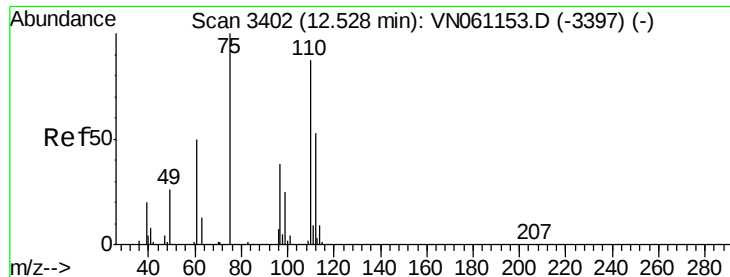
115 61.5 31.0 93.0

150 155.7 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: 28.937 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061298.D

Acq: 5 May 2020 17:38

Instrument :

MSVOA_N

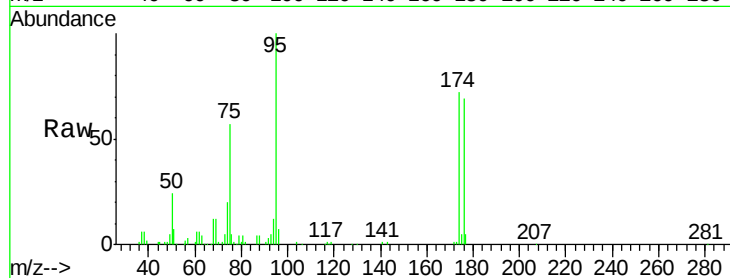
ClientSampled :

Tot Ion: 75 Resp: 45319

Ion Ratio Lower Upper

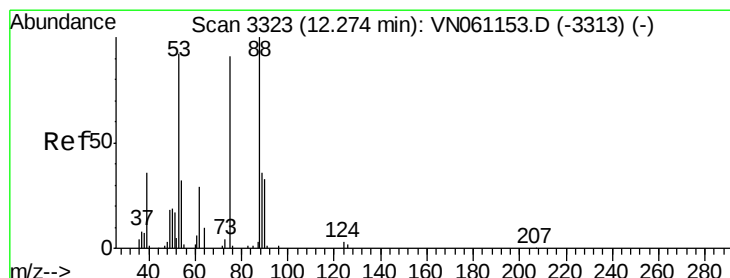
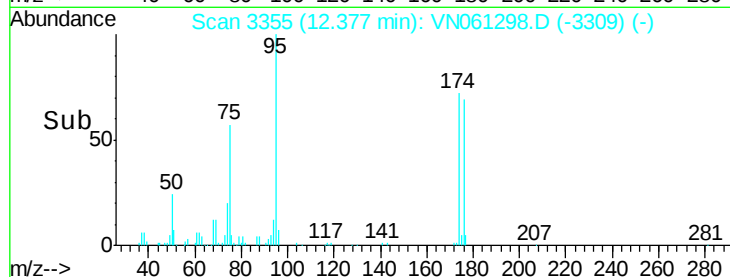
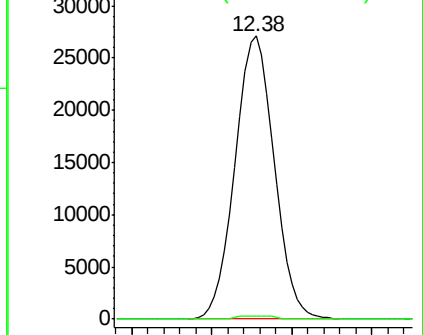
75 100

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: 73.485 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061298.D

Acq: 5 May 2020 17:38

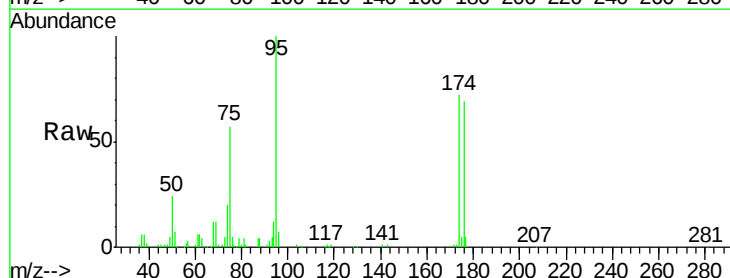
Tgt Ion: 75 Resp: 45319

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

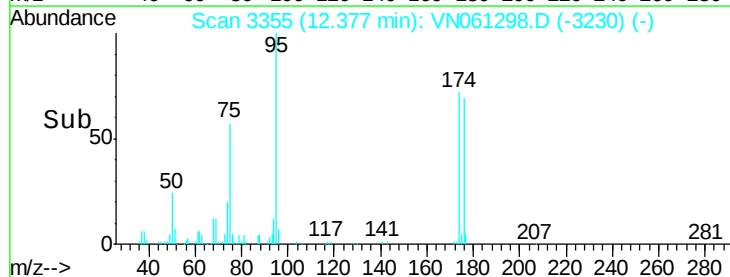
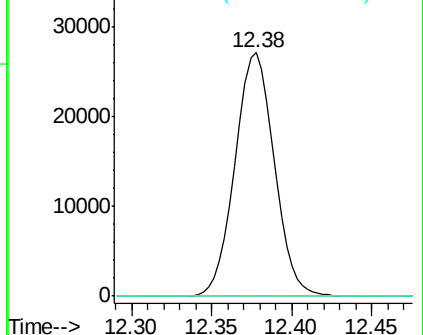
89 0.0 35.2 52.8#

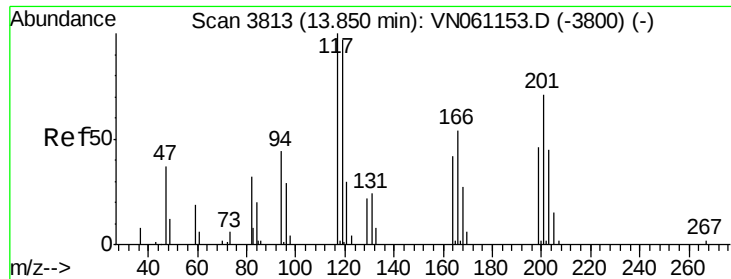


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#90

Hexachloroethane

Concen: 9.315 ug/l

RT: 13.97 min Scan# 3851

Delta R.T. 0.12 min

Lab File: VN061298.D

Acq: 5 May 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:117 Resp: 973

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#

