

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061295.D
 Acq On : 5 May 2020 16:28
 Operator : JC/MD
 Sample : L2514-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:49:46 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	92920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	167838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	161426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	71934	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	76868	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	7.55	113	49616	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.06	98	206151	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.38	95	78614	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	

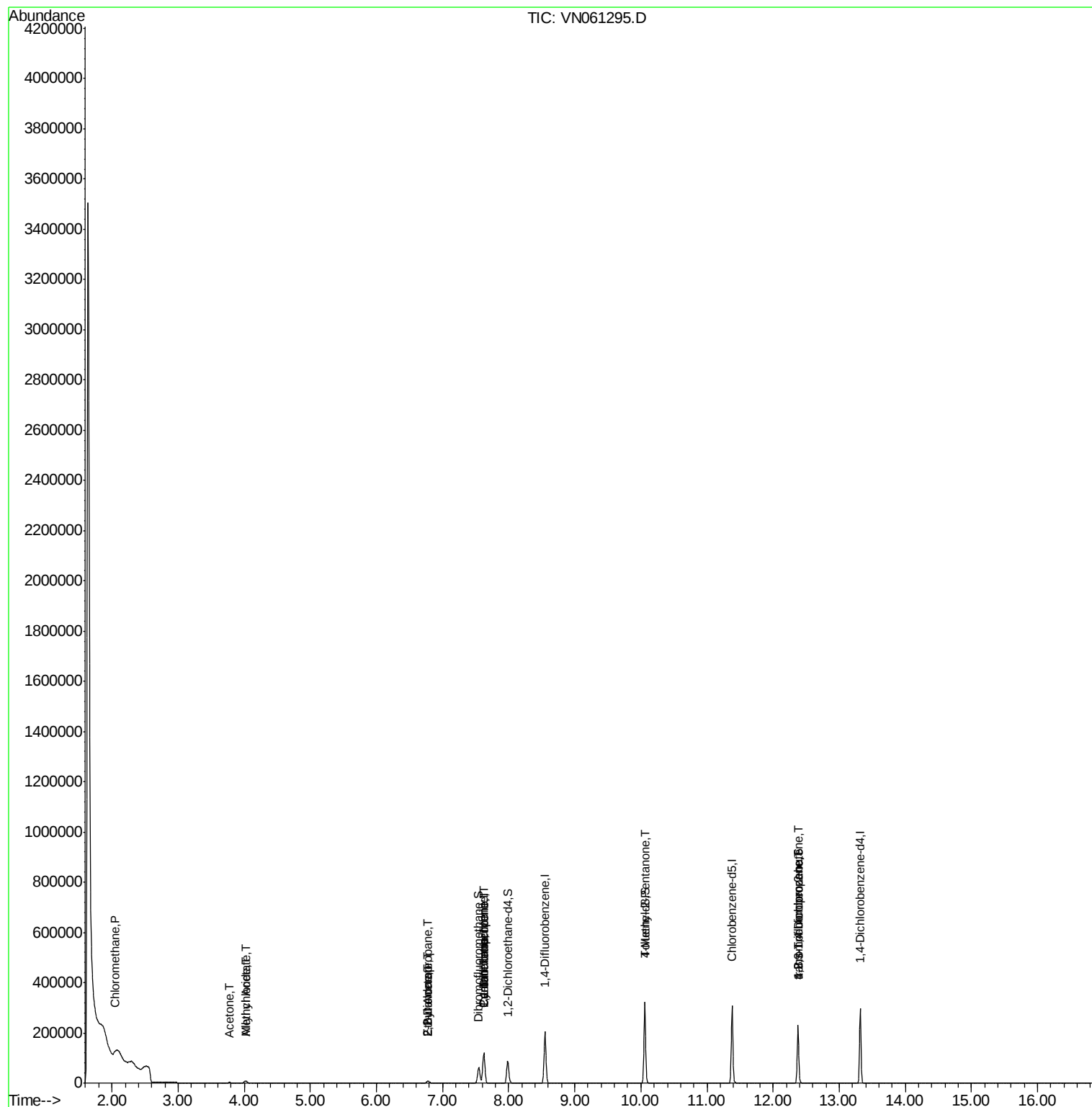
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	414	0.347	ug/l #	42
14) Allyl chloride	4.02	41	1455	0.800	ug/l #	77
16) Acetone	3.78	43	6095	5.311	ug/l	93
18) Methyl Acetate	4.02	43	3863	2.732	ug/l #	55
25) 2-Butanone	6.77	43	653	0.751	ug/l #	53
26) 2,2-Dichloropropane	6.77	77	390	0.210	ug/l #	55
31) Cyclohexane	7.62	56	2486	1.162	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	8321	4.953	ug/l #	50
37) Ethyl Acetate	6.77	43	653	0.332	ug/l #	26
38) Carbon Tetrachloride	7.62	117	10063	8.551	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1109	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	43705	28.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	43705	73.184	ug/l #	8

(#) = 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: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

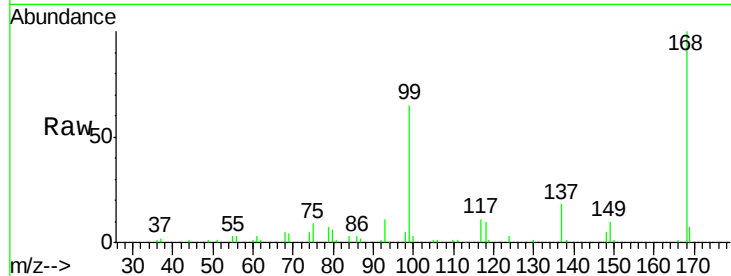
ClientSampled :

Tot Ion:168 Resp: 92920

Ion Ratio Lower Upper

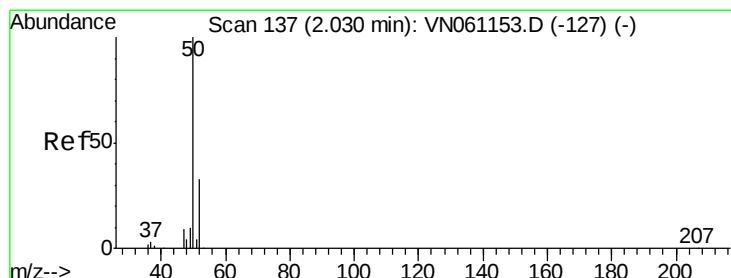
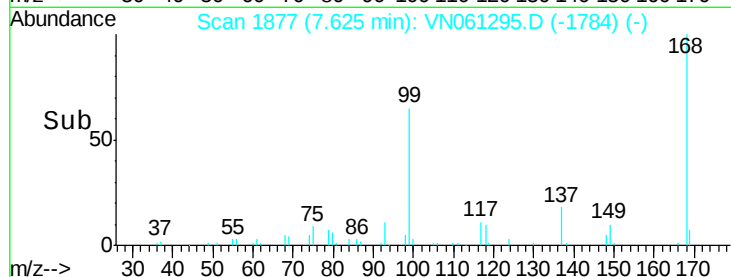
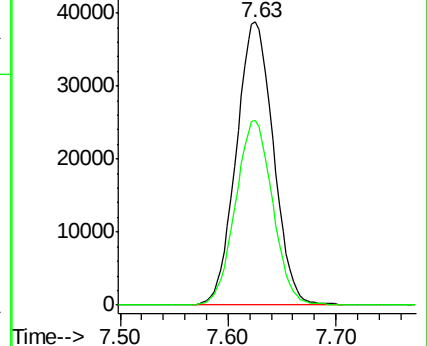
168 100

99 65.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.347 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061295.D

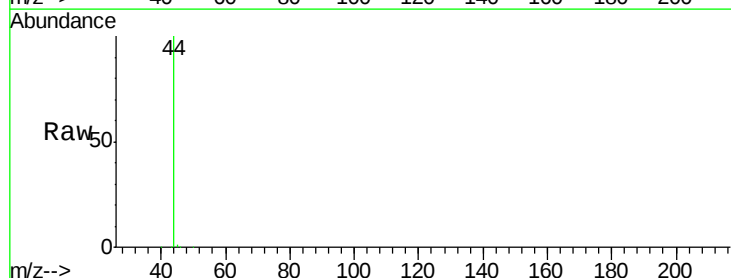
Acq: 5 May 2020 16:28

Tgt Ion: 50 Resp: 414

Ion Ratio Lower Upper

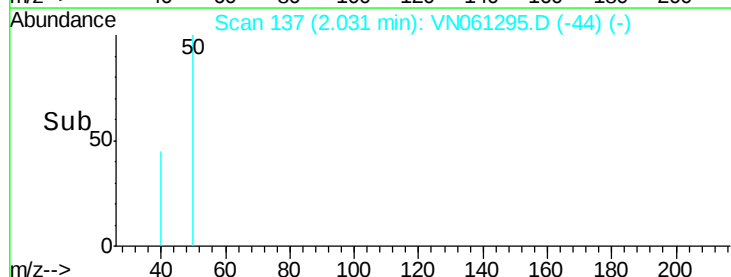
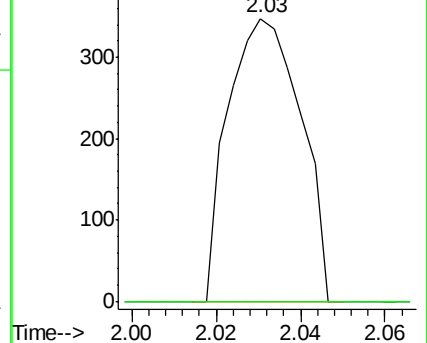
50 100

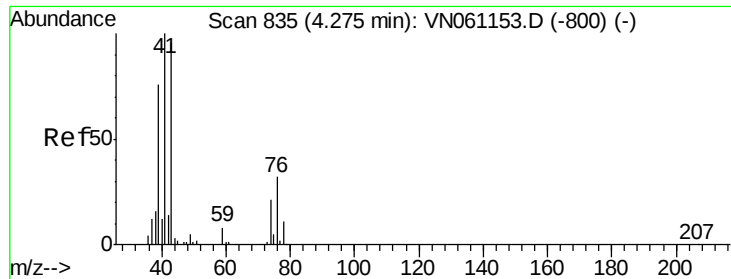
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#14

Allvl chloride

Concen: 0.800 ug/l

RT: 4.02 min Scan# 755

Delta R.T. -0.26 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

ClientSampled :

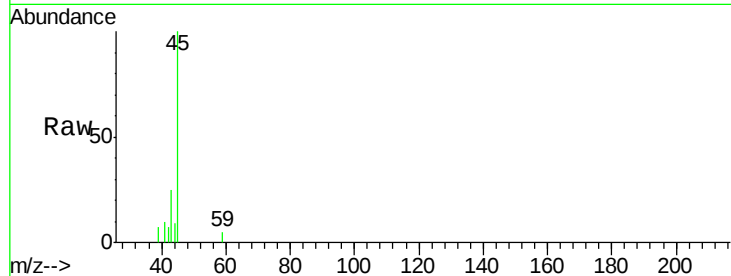
Tot Ion: 41 Resp: 1455

Ion Ratio Lower Upper

41 100

39 79.2 57.1 85.7

76 0.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

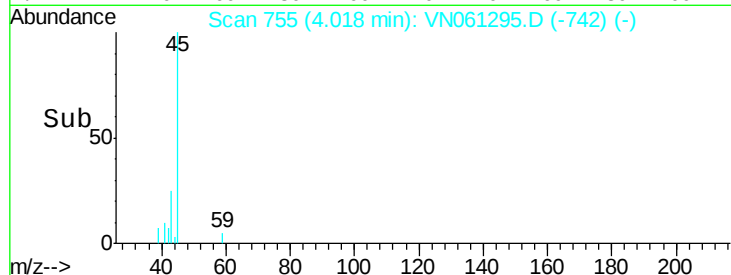
Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

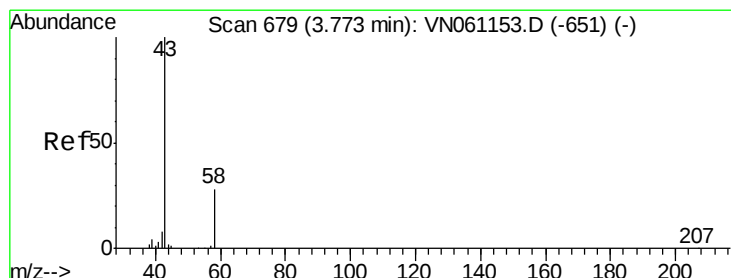
Time-->

4.02

4.05



Time-->



#16

Acetone

Concen: 5.311 ug/l

RT: 3.78 min Scan# 682

Delta R.T. 0.01 min

Lab File: VN061295.D

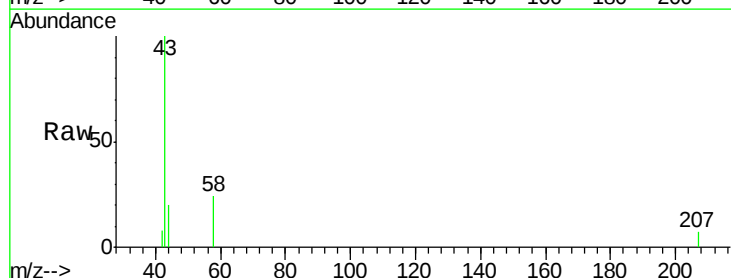
Acq: 5 May 2020 16:28

Tgt Ion: 43 Resp: 6095

Ion Ratio Lower Upper

43 100

58 24.1 22.2 33.2



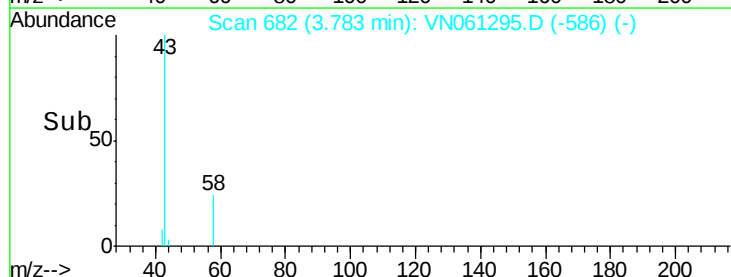
Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-651) (-)

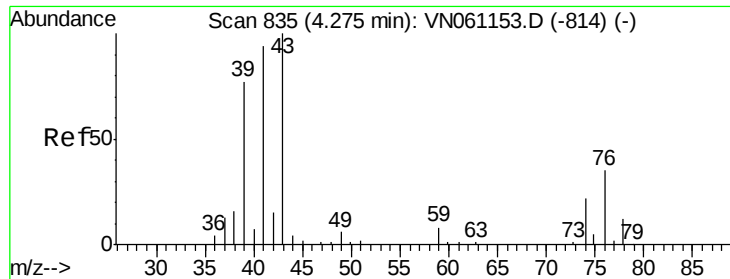
Time-->

3.78

3.85



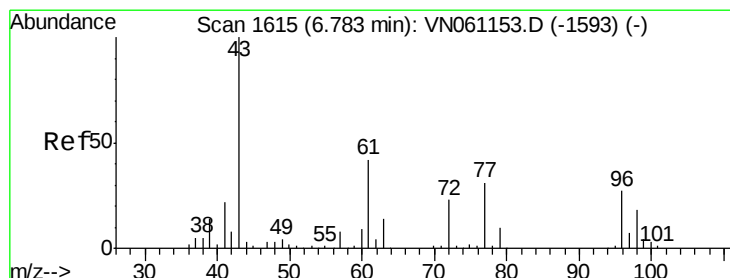
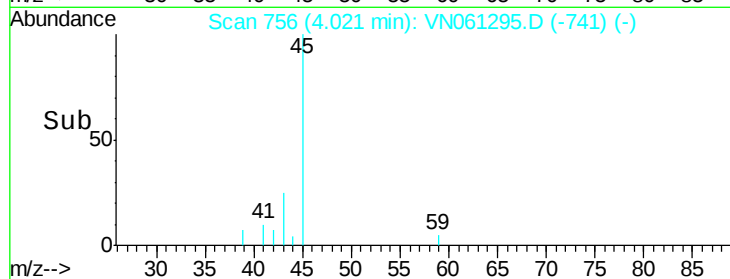
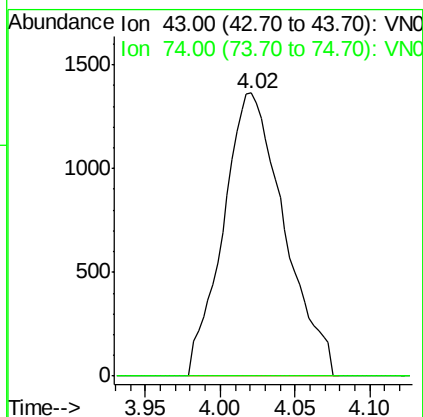
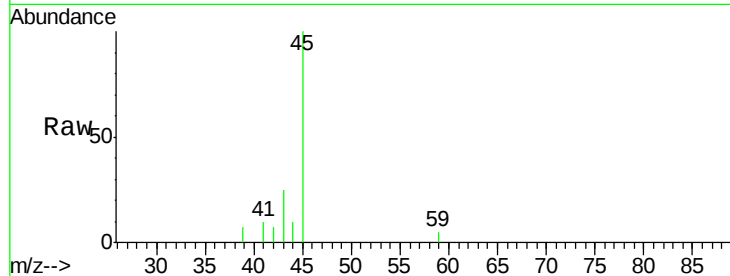
Time-->



#18
Methvl Acetate
Concen: 2.732 ug/l
RT: 4.02 min Scan# 756
Delta R.T. -0.25 min
Lab File: VN061295.D
Acq: 5 May 2020 16:28

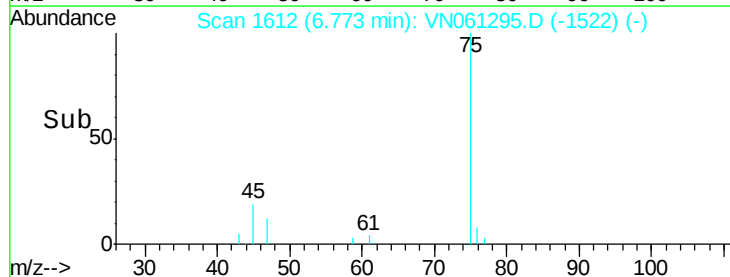
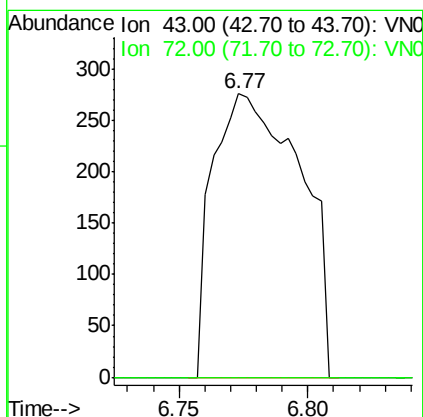
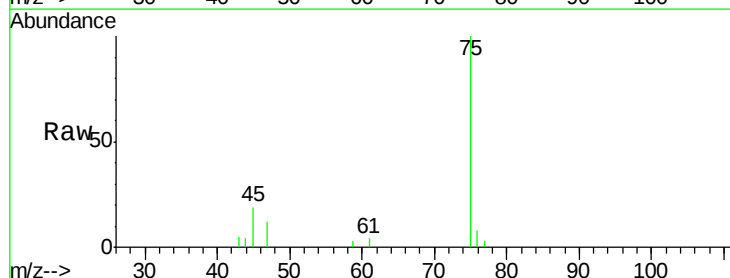
Instrument :
MSVOA_N
ClientSampled :

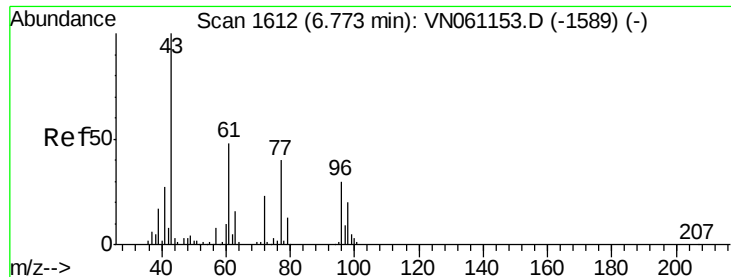
Tot Ion: 43 Resp: 3863
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#25
2-Butanone
Concen: 0.751 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VN061295.D
Acq: 5 May 2020 16:28

Tgt Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#





#26

2,2-Dichloropropane

Concen: 0.210 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

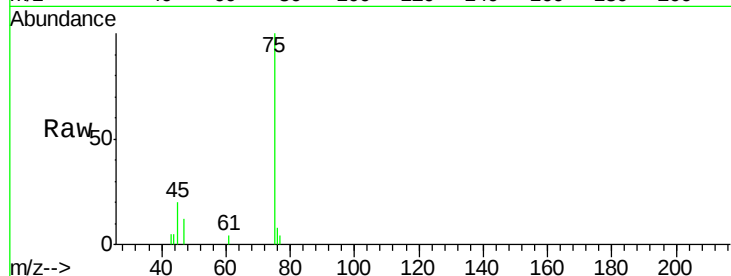
ClientSampleId :

Tot Ion: 77 Resp: 390

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.5#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

200

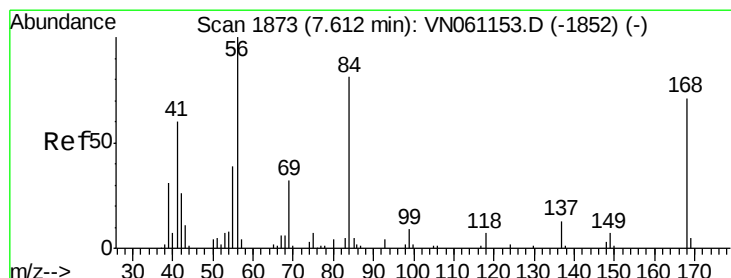
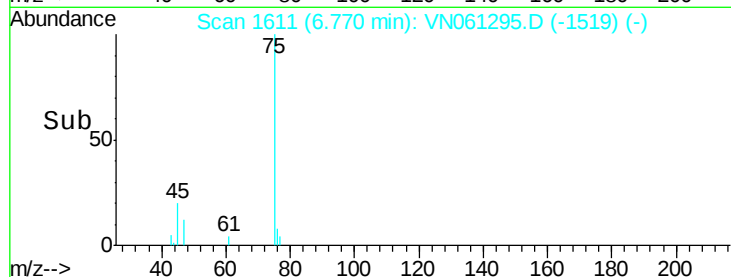
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

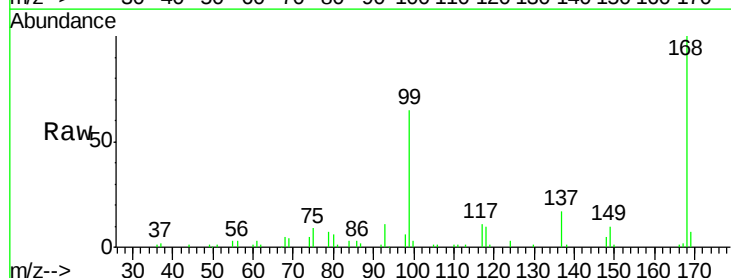
Tgt Ion: 56 Resp: 2486

Ion Ratio Lower Upper

56 100

69 152.3 25.7 38.5#

84 106.4 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

2000

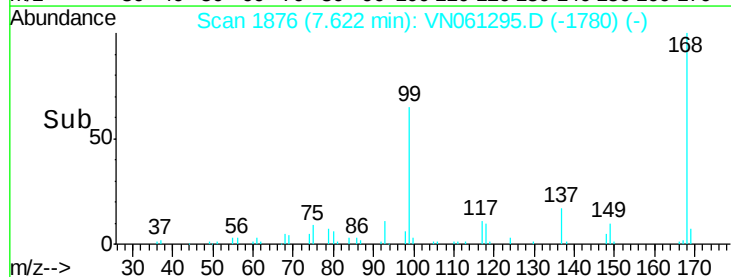
1500

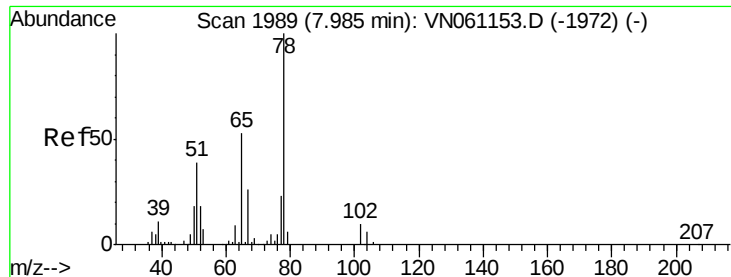
1000

500

0

Time-->

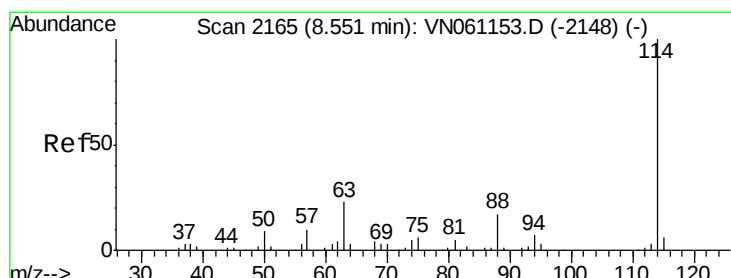
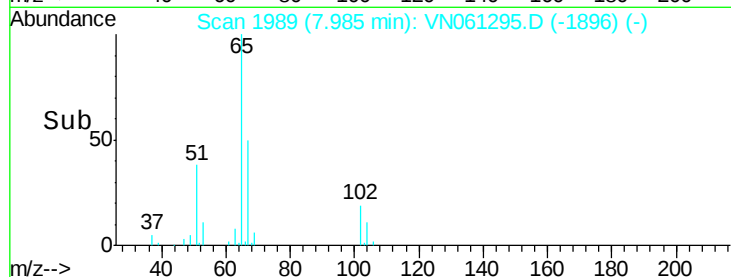
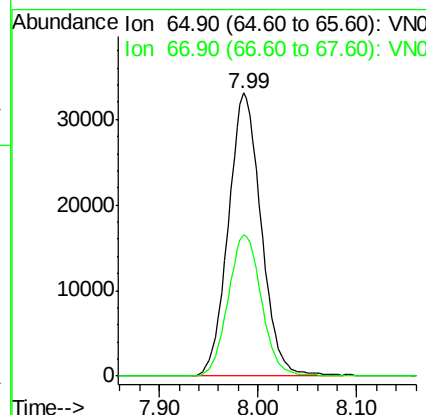
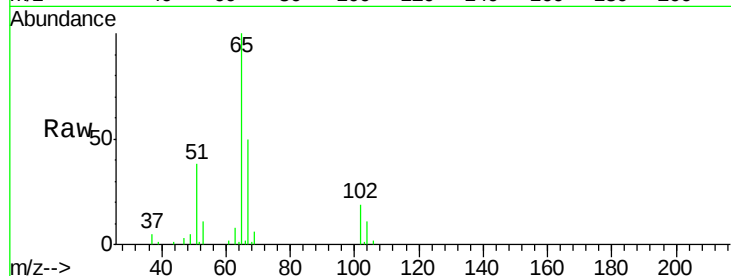




#33
 1,2-Dichloroethane-d4
 Concen: 52.281 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061295.D
 Acq: 5 May 2020 16:28

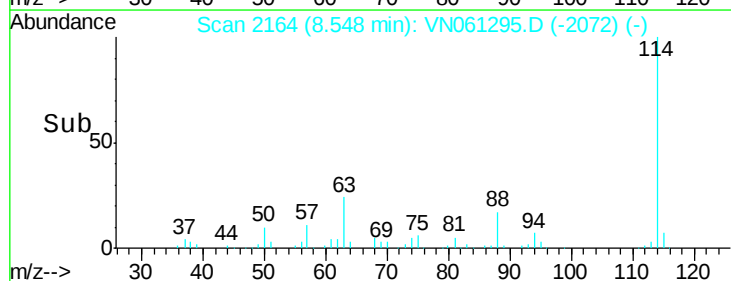
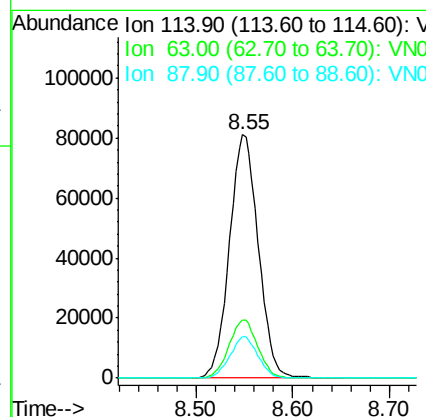
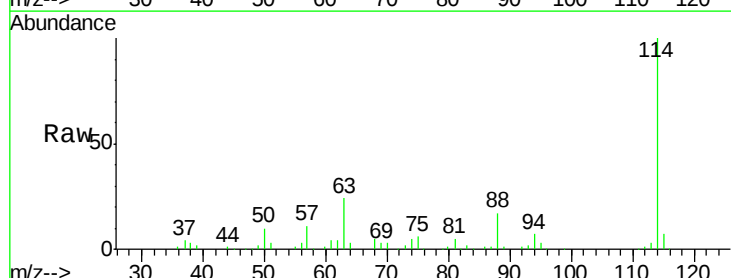
Instrument :
 MSVOA_N
 ClientSampleId :

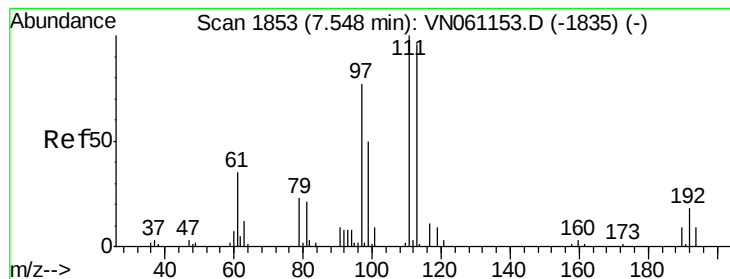
Tot Ion: 65 Resp: 76868
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061295.D
 Acq: 5 May 2020 16:28

Tgt Ion: 114 Resp: 167838
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.6
 88 17.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.993 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :
MSVOA_N
ClientSampled :

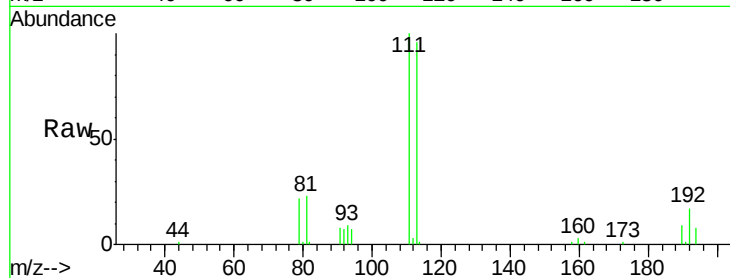
Tot Ion:113 Resp: 49616

Ion Ratio Lower Upper

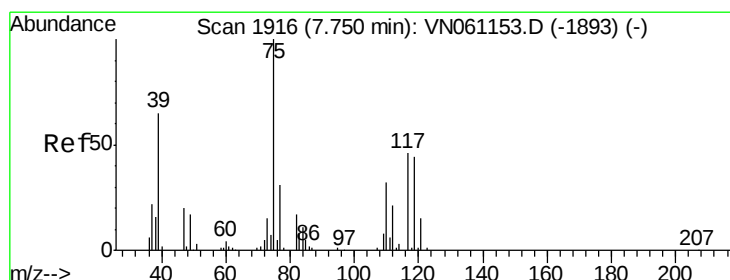
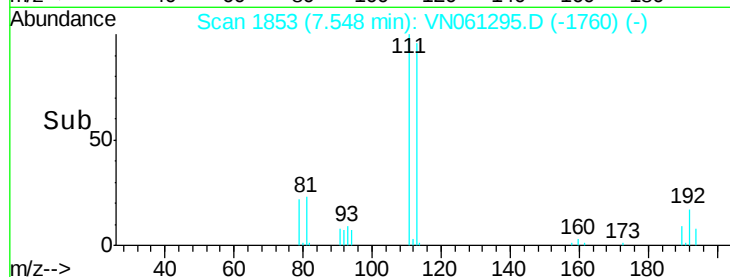
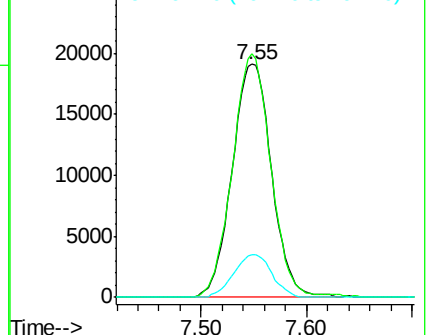
113 100

111 101.0 82.9 124.3

192 17.6 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: 4.953 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.13 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

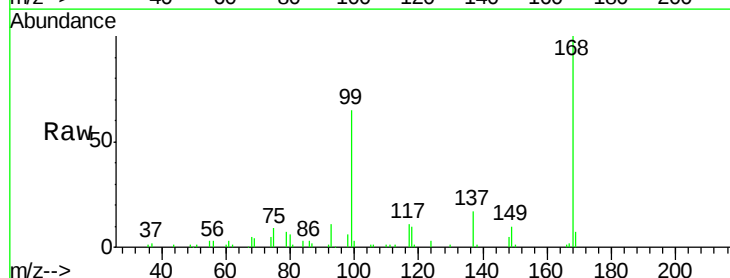
Tgt Ion: 75 Resp: 8321

Ion Ratio Lower Upper

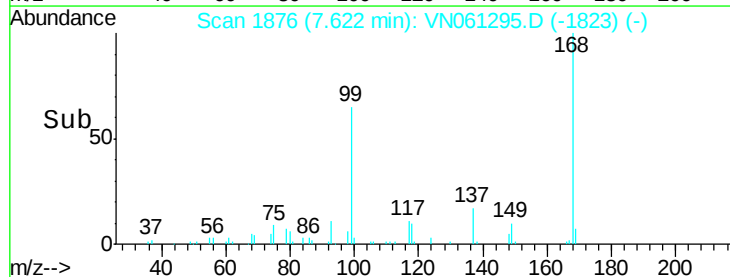
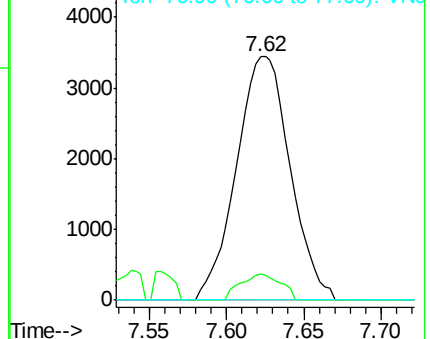
75 100

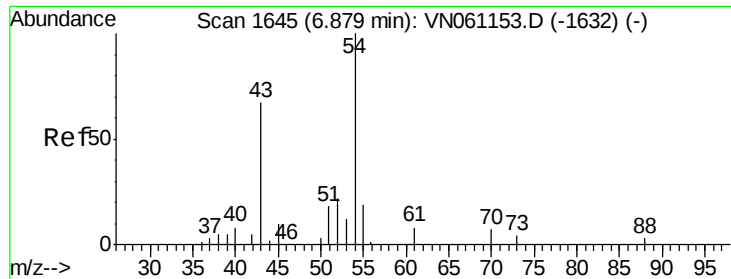
110 8.0 16.0 48.0#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

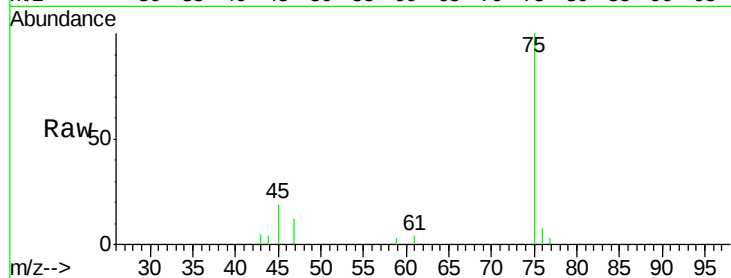




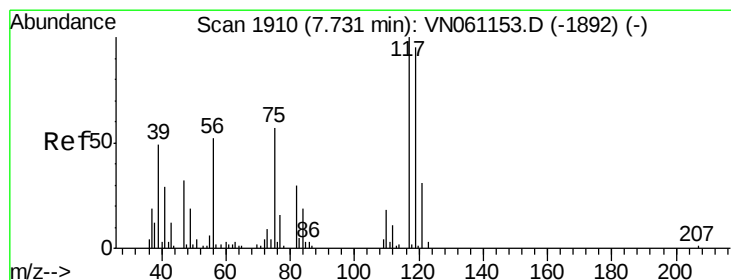
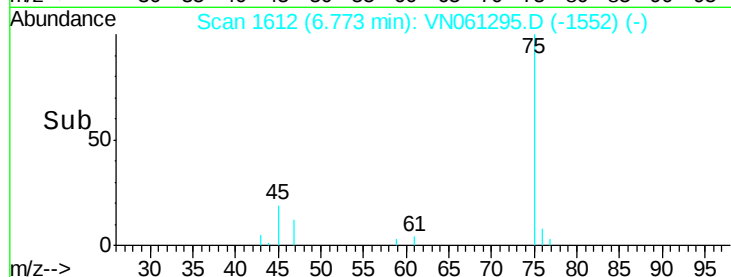
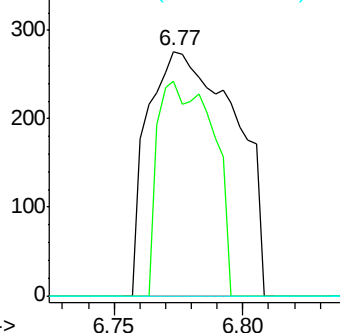
#37
Ethyl Acetate
Concen: 0.332 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. -0.11 min
Lab File: VN061295.D
Acq: 5 May 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
61 55.4 10.2 15.2#
70 0.0 7.2 10.8#

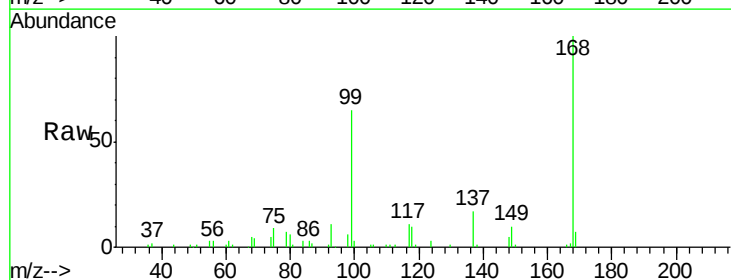


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

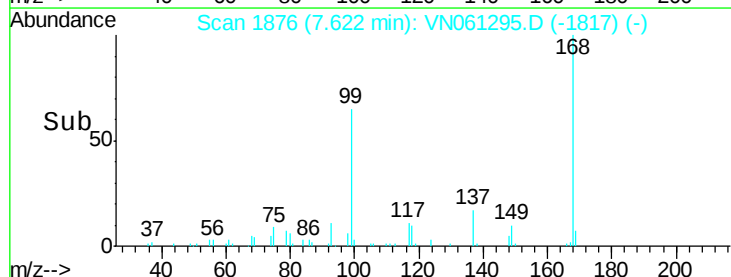
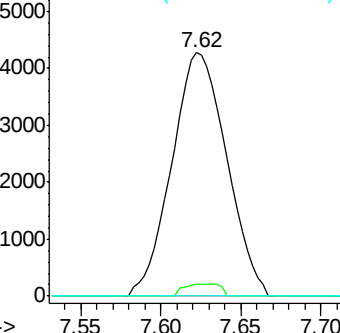


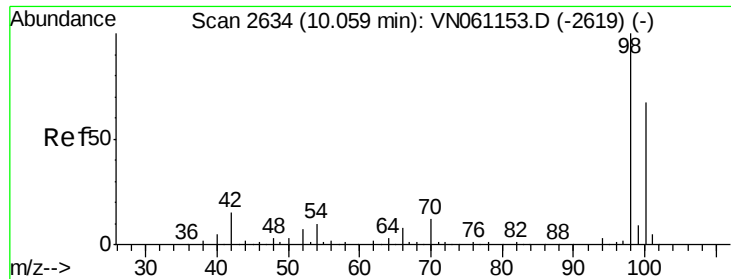
#38
Carbon Tetrachloride
Concen: 8.551 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.11 min
Lab File: VN061295.D
Acq: 5 May 2020 16:28

Tgt Ion: 117 Resp: 10063
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.954 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

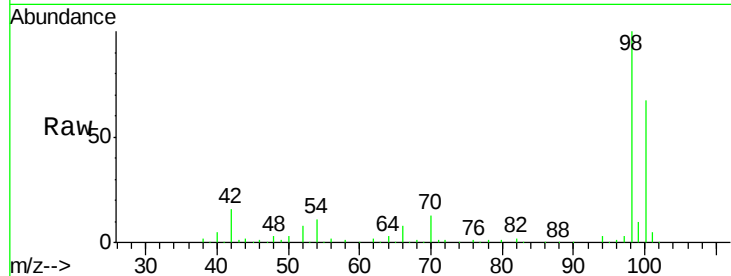
ClientSampleId :

Tot Ion: 98 Resp: 206151

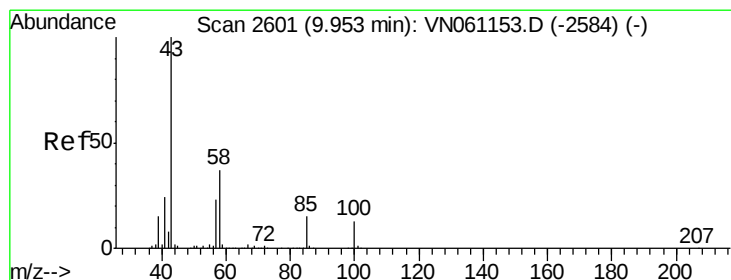
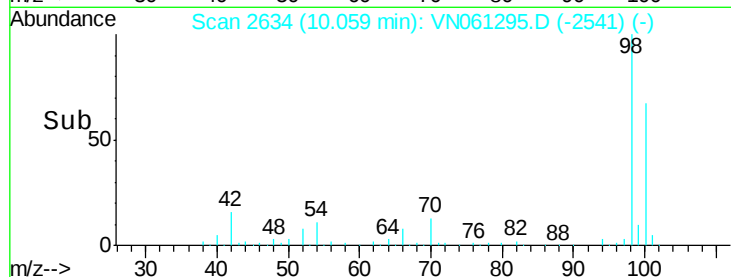
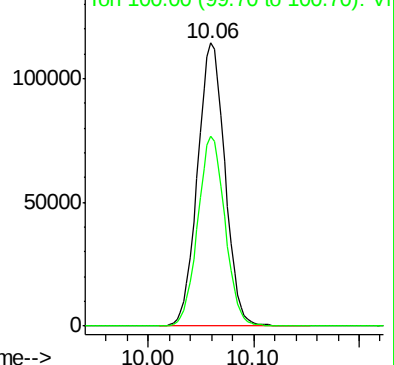
Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0



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



#51

4-Methyl-2-Pentanone

Concen: 0.576 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061295.D

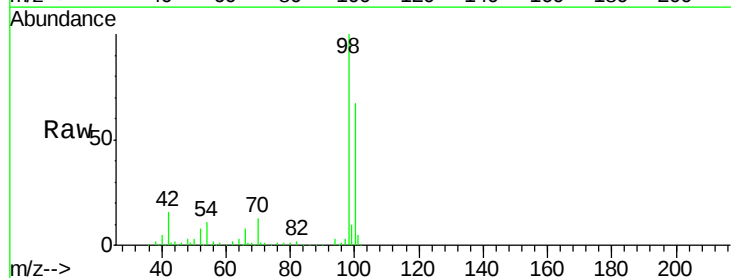
Acq: 5 May 2020 16:28

Tgt Ion: 43 Resp: 1109

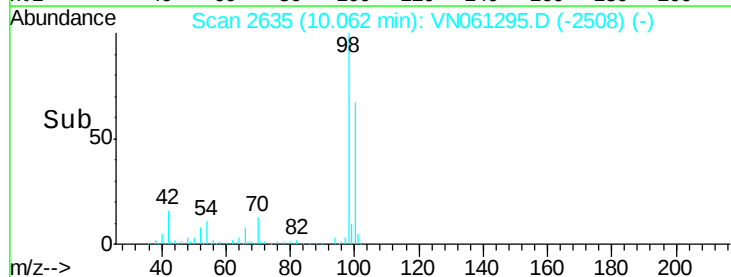
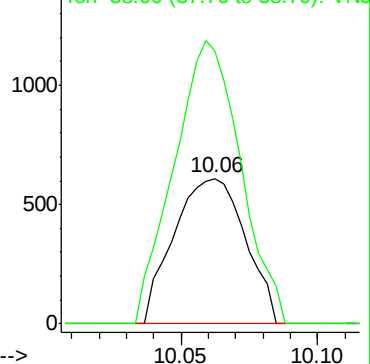
Ion Ratio Lower Upper

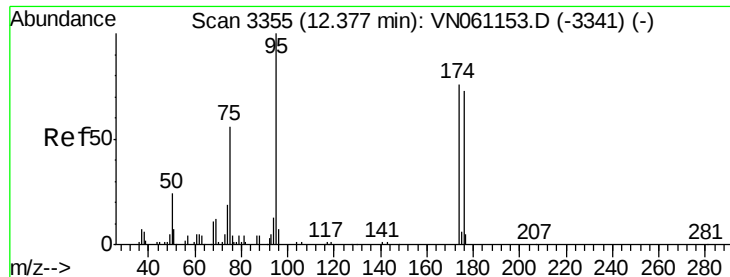
43 100

58 181.2 29.1 43.7#



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





#62

4-Bromofluorobenzene

Concen: 51.635 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

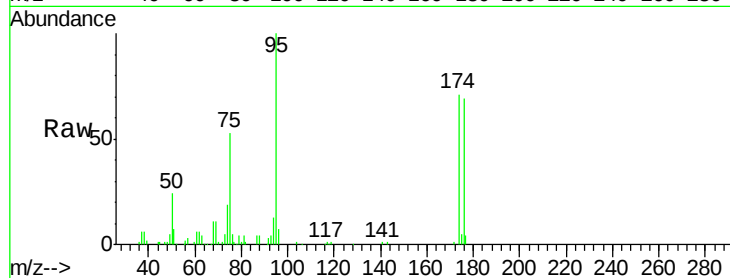
Tot Ion: 95 Resp: 78614

Ion Ratio Lower Upper

95 100

174 72.2 0.0 149.4

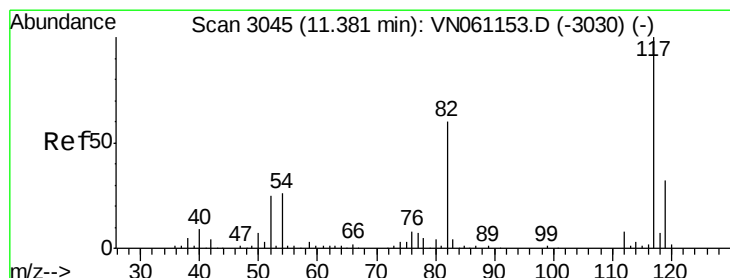
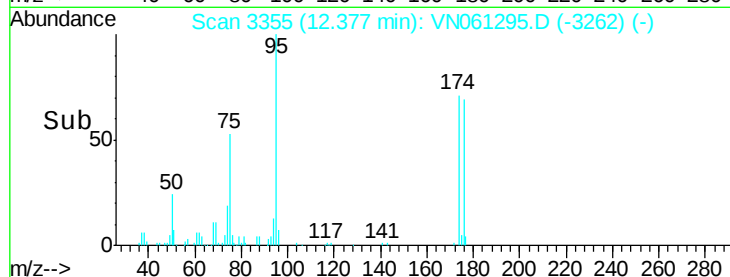
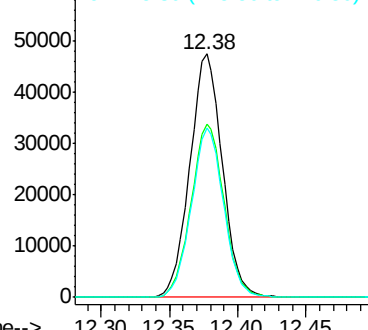
176 69.0 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

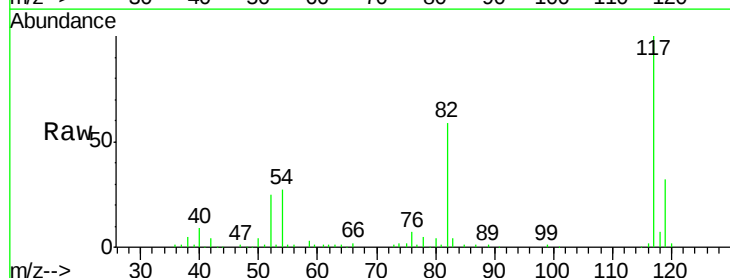
Tgt Ion: 117 Resp: 161426

Ion Ratio Lower Upper

117 100

82 59.1 47.8 71.8

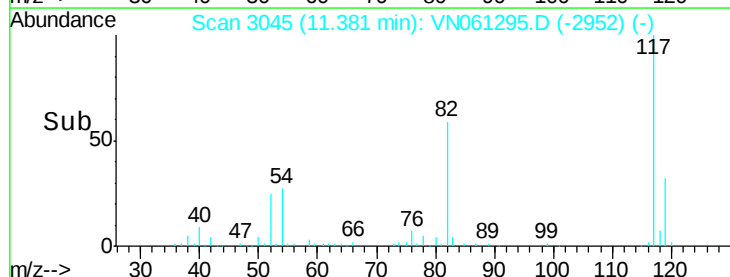
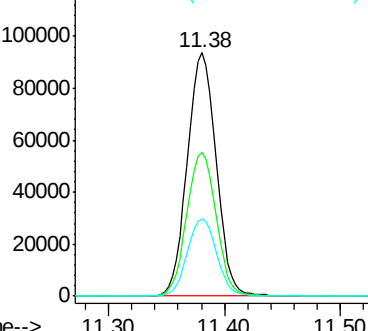
119 31.9 25.8 38.6

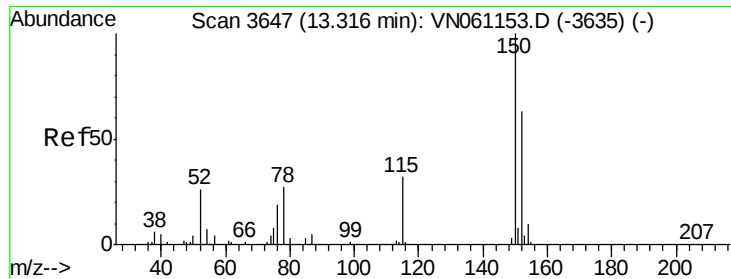


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

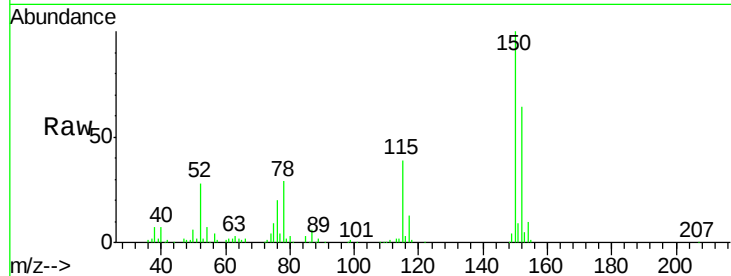
Tot Ion:152 Resp: 71934

Ion Ratio Lower Upper

152 100

115 62.3 31.0 93.0

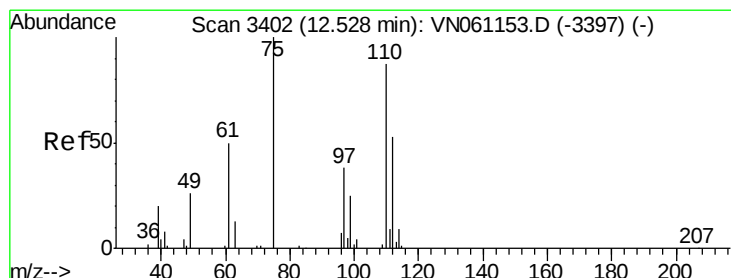
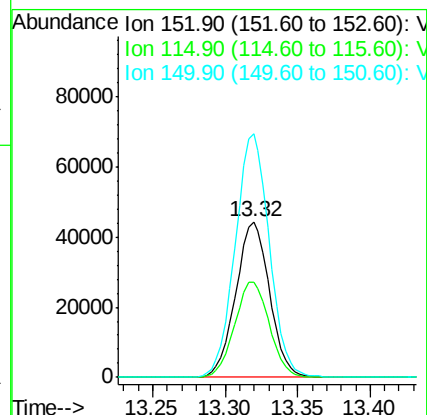
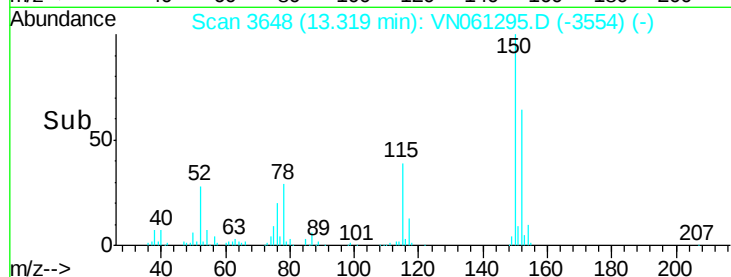
150 157.7 0.0 351.8



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: 28.818 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061295.D

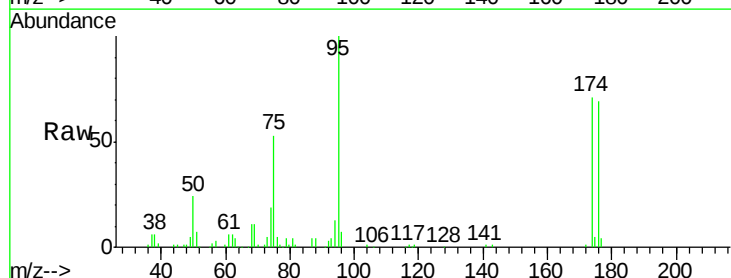
Acq: 5 May 2020 16:28

Tgt Ion: 75 Resp: 43705

Ion Ratio Lower Upper

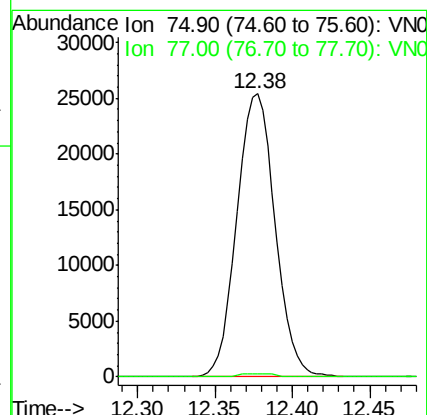
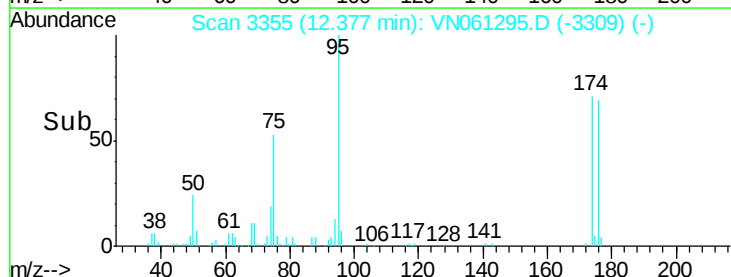
75 100

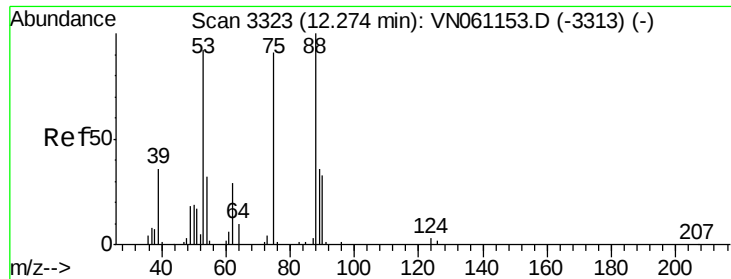
77 1.0 0.0 0.0#



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: 73.184 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061295.D

Acq: 5 May 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 43705

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

