

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061339.D
 Acq On : 7 May 2020 17:16
 Operator : JC/MD
 Sample : L2548-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 02:55:30 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	91332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	165799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	160339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	65807	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	76334	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	7.55	113	51722	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.06	98	207194	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.38	95	73029	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

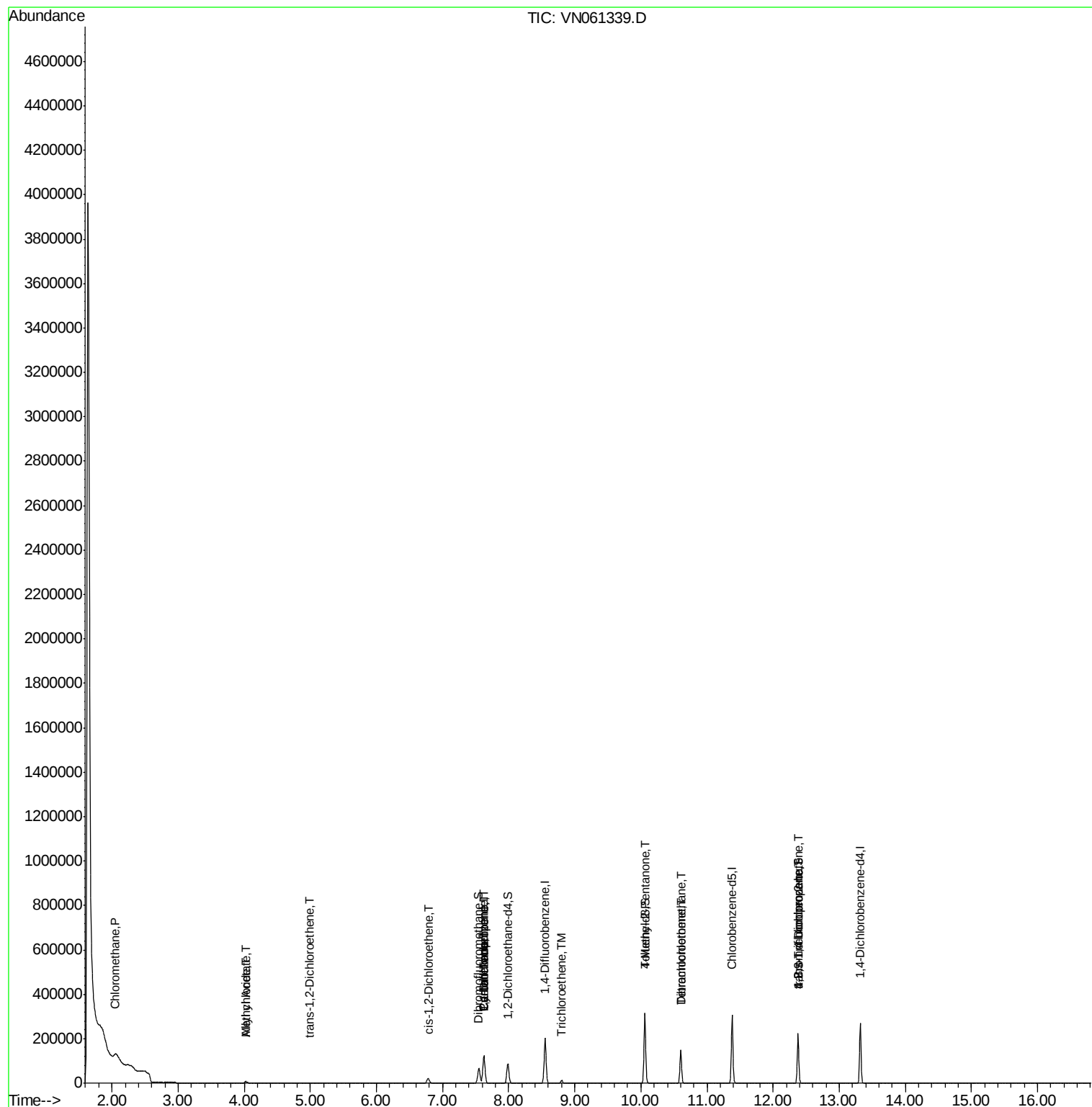
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	341	0.291	ug/l #	68
14) Allyl chloride	4.02	41	912	0.510	ug/l #	65
16) Acetone	3.78	43	1534	Below Cal		92
18) Methyl Acetate	4.02	43	3037	2.321	ug/l #	55
21) trans-1,2-Dichloroethene	4.99	96	1341	1.278	ug/l #	79
27) cis-1,2-Dichloroethene	6.78	96	12444	10.106	ug/l	90
31) Cyclohexane	7.62	56	2457	1.169	ug/l #	6
36) 1,1-Dichloropropene	7.63	75	8455	5.094	ug/l #	49
38) Carbon Tetrachloride	7.63	117	9811	8.469	ug/l #	17
44) Trichloroethene	8.80	130	4151	3.105	ug/l	90
51) 4-Methyl-2-Pentanone	10.06	43	1149	0.604	ug/l #	1
60) Dibromochloromethane	10.60	129	30899	24.834	ug/l #	10
64) Tetrachloroethene	10.60	164	32310	23.266	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	41352	29.806	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	41352	75.691	ug/l #	8

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

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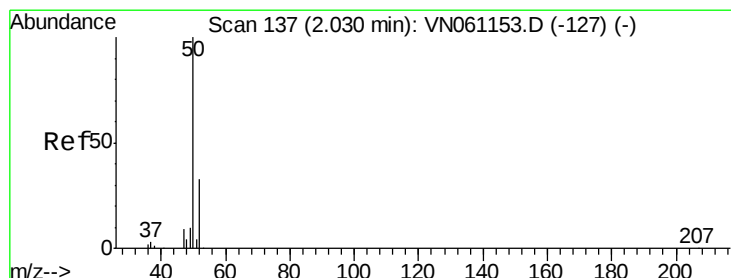
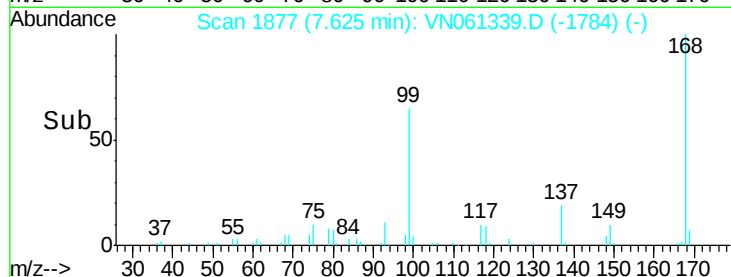
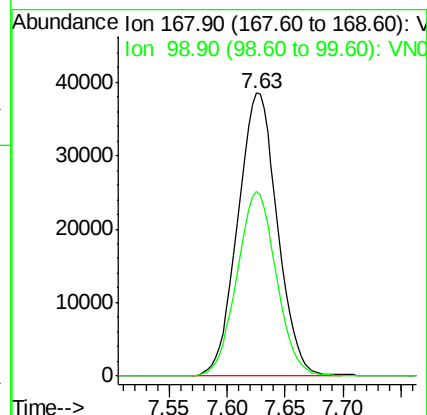
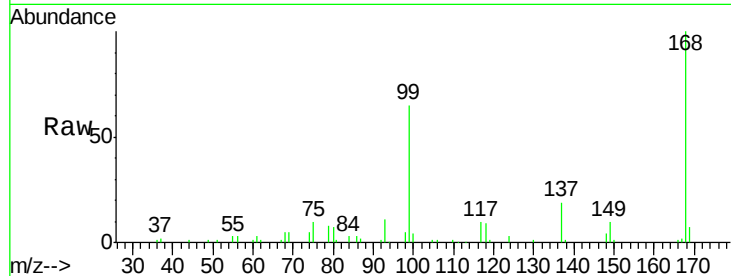




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VN061339.D
Acq: 7 May 2020 17:16

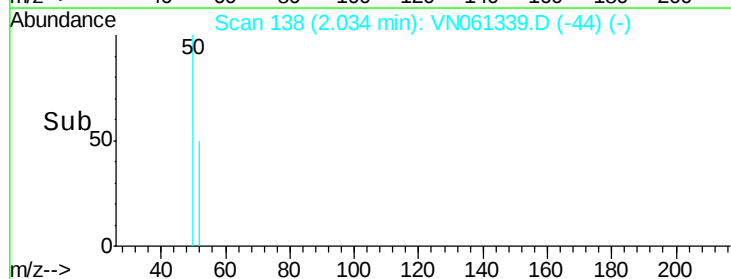
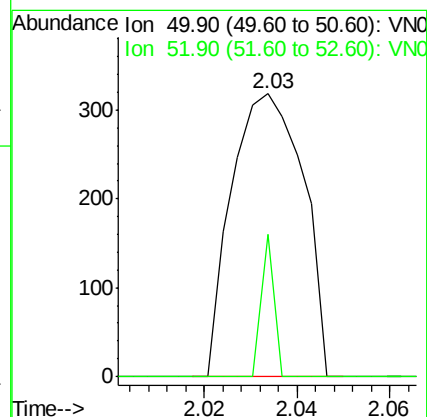
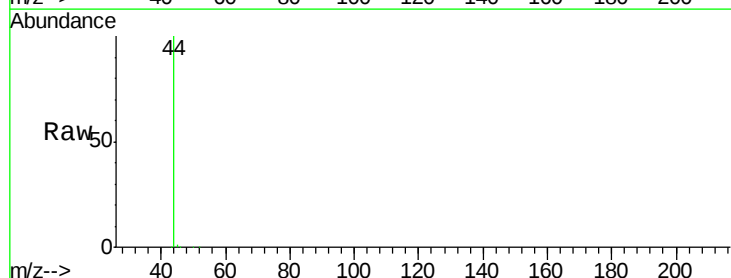
Instrument :
MSVOA_N
ClientSampled :

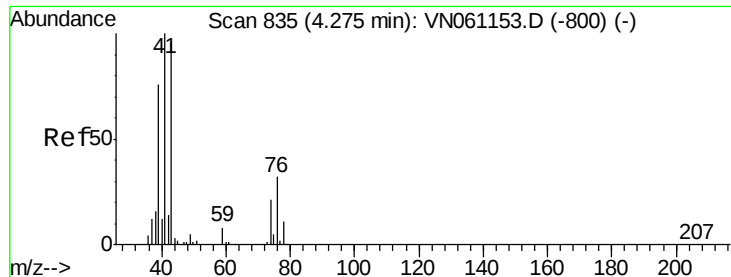
Tot Ion:168 Resp: 91332
Ion Ratio Lower Upper
168 100
99 65.4 51.2 76.8



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.03 min Scan# 138
Delta R.T. 0.00 min
Lab File: VN061339.D
Acq: 7 May 2020 17:16

Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 50.3 26.0 39.0#





#14

Allvl chloride

Concen: 0.510 ug/l

RT: 4.02 min Scan# 757

Delta R.T. -0.25 min

Lab File: VN061339.D

Acq: 7 May 2020 17:16

Instrument :

MSVOA_N

ClientSampled :

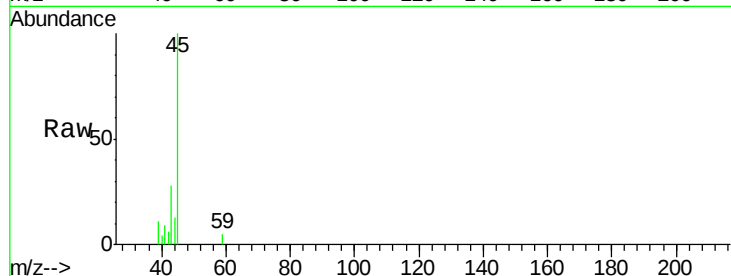
Tot Ion: 41 Resp: 912

Ion Ratio Lower Upper

41 100

39 93.5 57.1 85.7#

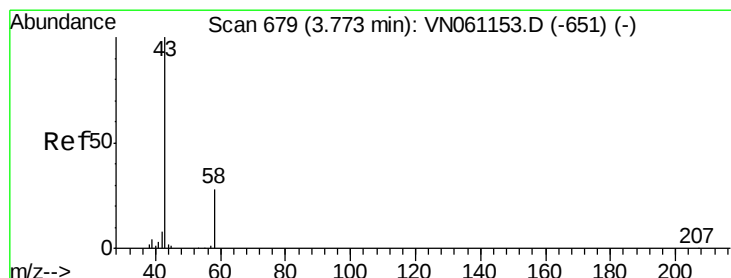
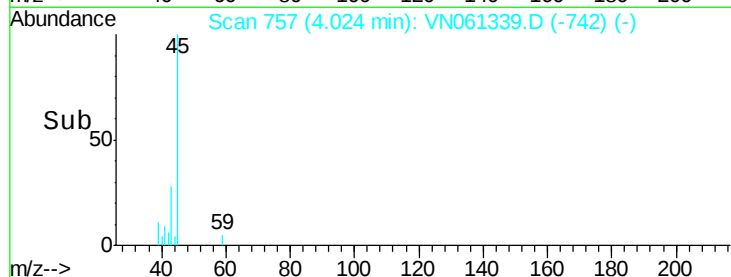
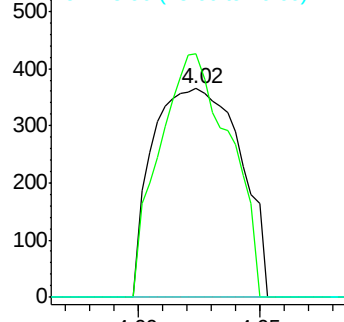
76 0.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061339.D

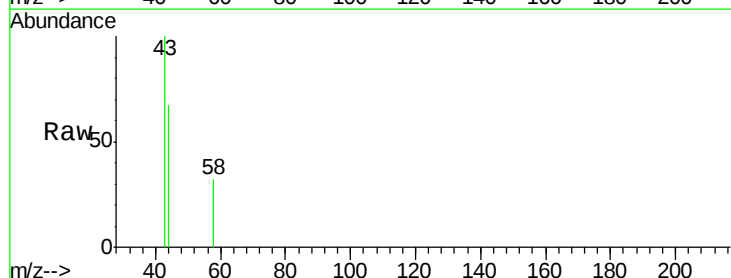
Acq: 7 May 2020 17:16

Tgt Ion: 43 Resp: 1534

Ion Ratio Lower Upper

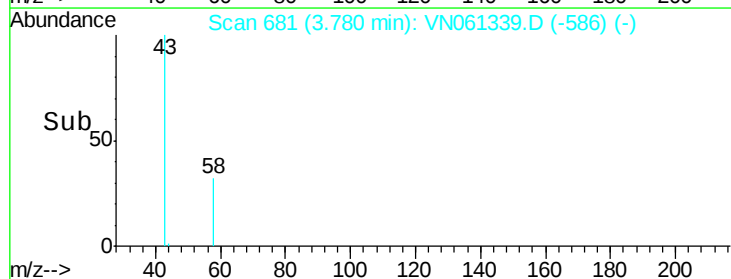
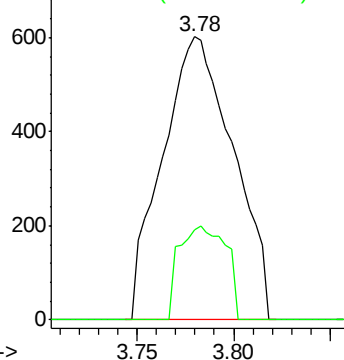
43 100

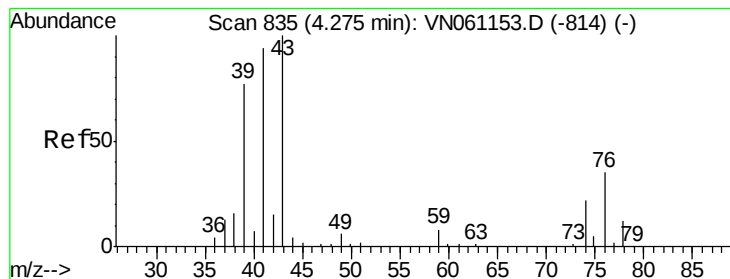
58 31.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 2.321 ug/l

RT: 4.02 min Scan# 756

Delta R.T. -0.25 min

Lab File: VN061339.D

Acq: 7 May 2020 17:16

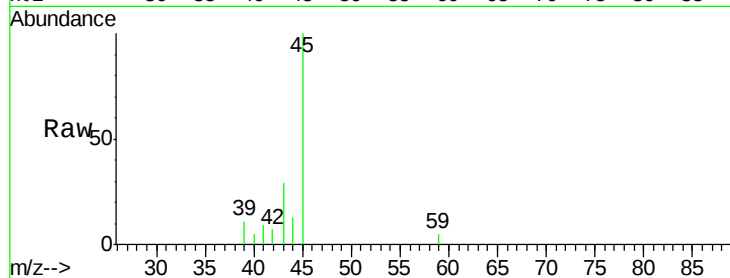
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3037

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-814) (-)

Ion 74.00 (73.70 to 74.70): VN061153.D (-814) (-)

4.02

1200

1000

800

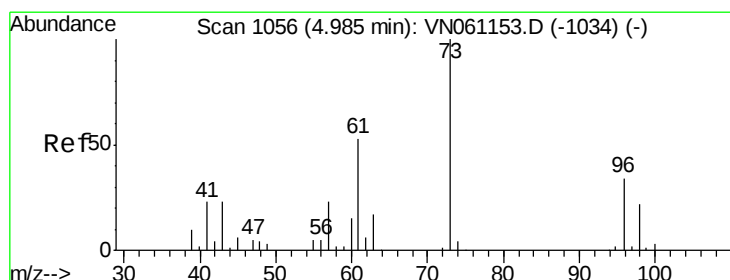
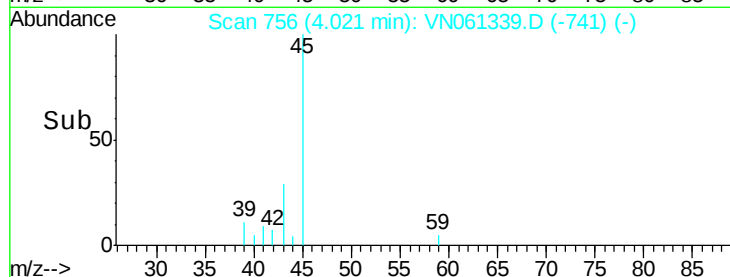
600

400

200

0

Time--> 3.95 4.00 4.05 4.10



#21

trans-1,2-Dichloroethene

Concen: 1.278 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061339.D

Acq: 7 May 2020 17:16

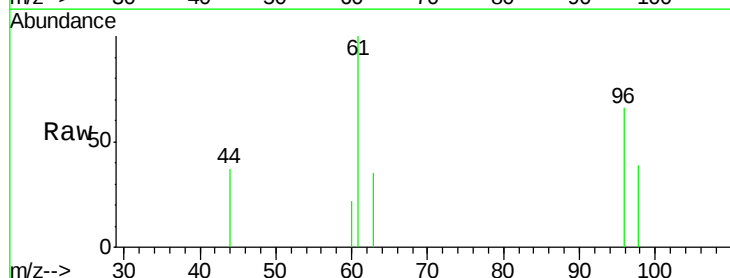
Tgt Ion: 96 Resp: 1341

Ion Ratio Lower Upper

96 100

61 118.3 123.0 184.4#

98 59.1 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1034) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1034) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1034) (-)

1000

800

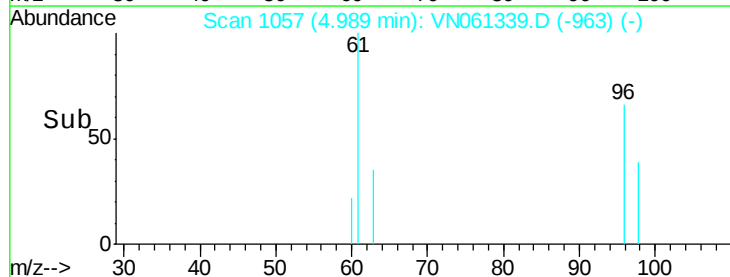
600

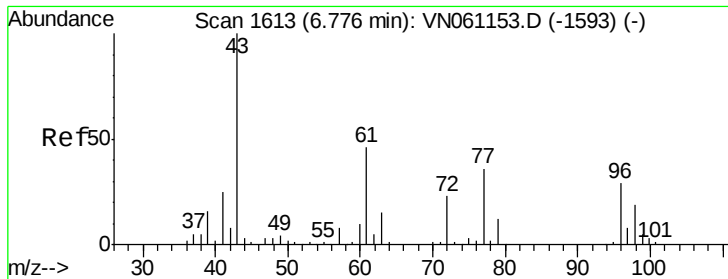
400

200

0

Time--> 4.95 5.00 5.05





#27

cis-1,2-Dichloroethene

Concen: 10.106 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

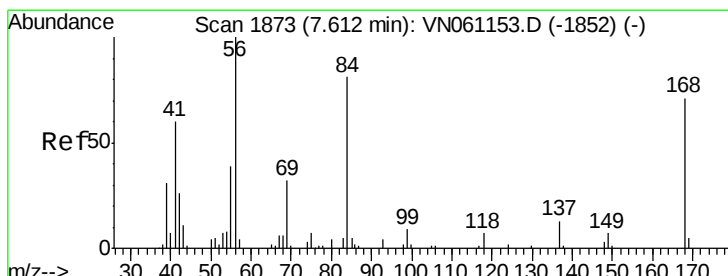
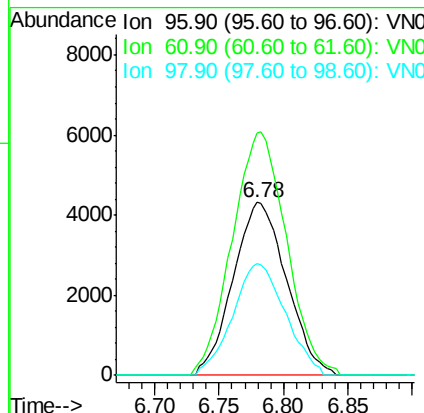
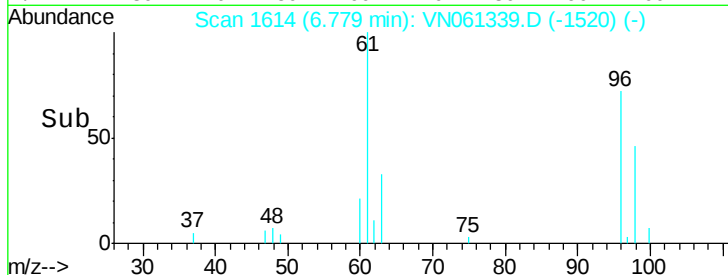
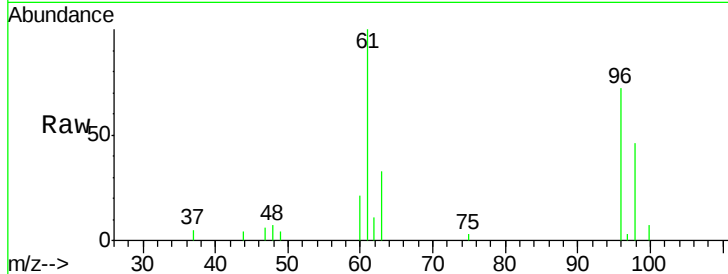
Lab File: VN061339.D

Acq: 7 May 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 12444

Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	322.0
98	63.6	0.0	129.6



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.62 min Scan# 1876

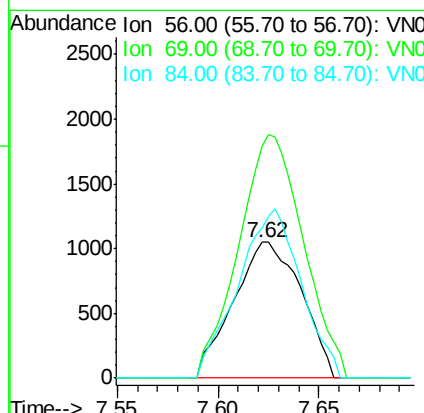
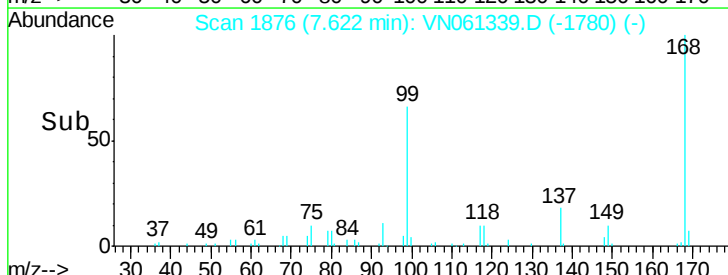
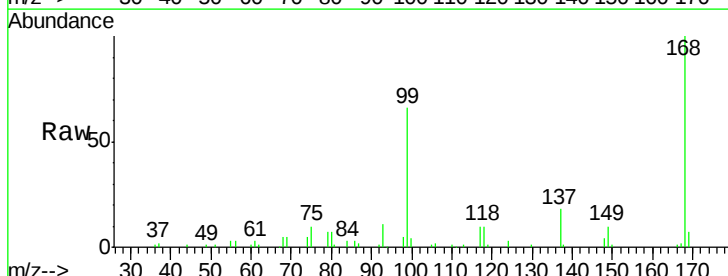
Delta R.T. 0.01 min

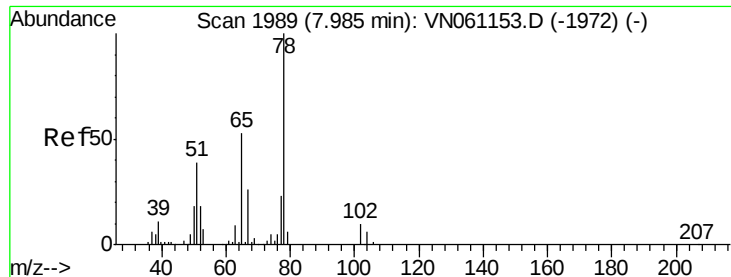
Lab File: VN061339.D

Acq: 7 May 2020 17:16

Tgt Ion: 56 Resp: 2457

Ion	Ratio	Lower	Upper
56	100		
69	170.4	25.7	38.5#
84	110.5	64.6	97.0#

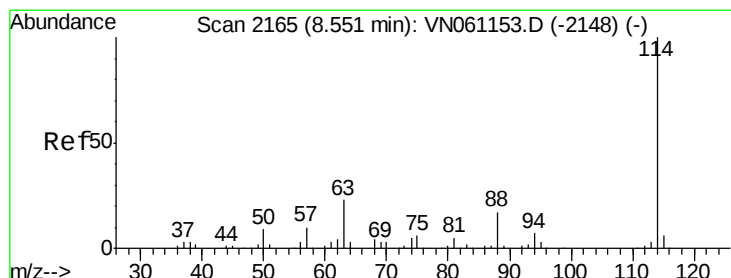
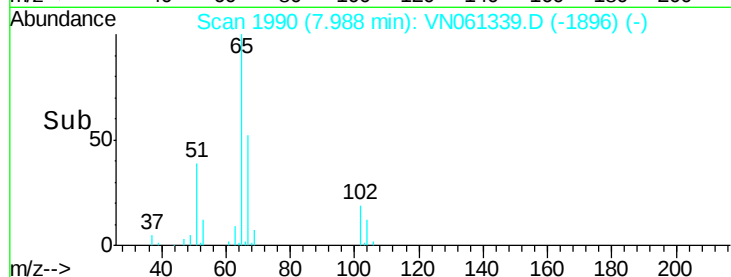
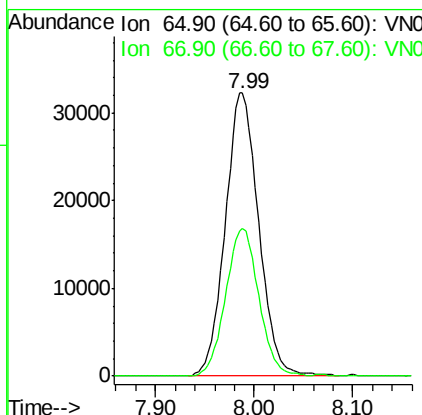
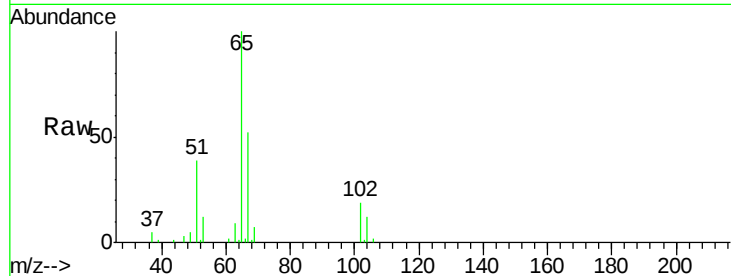




#33
 1,2-Dichloroethane-d4
 Concen: 52.821 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061339.D
 Acq: 7 May 2020 17:16

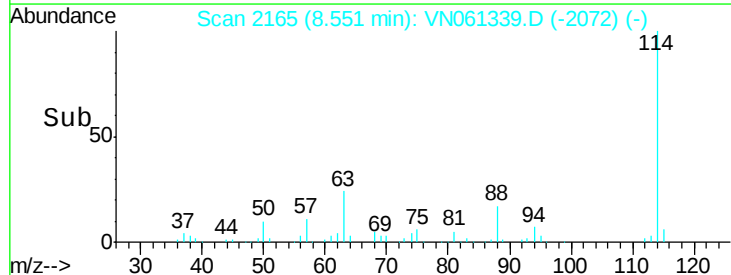
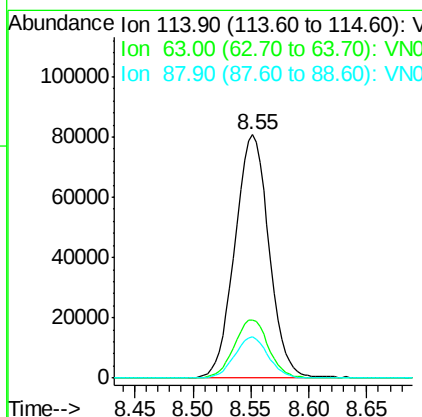
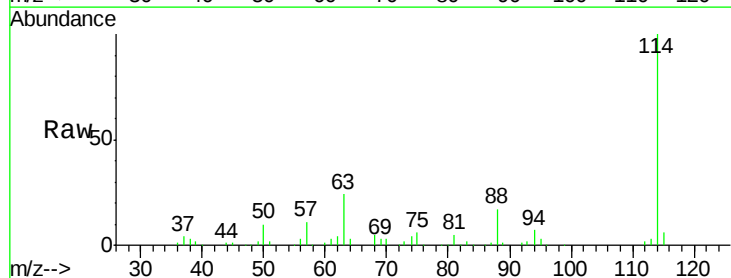
Instrument :
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 ClientSampleId :

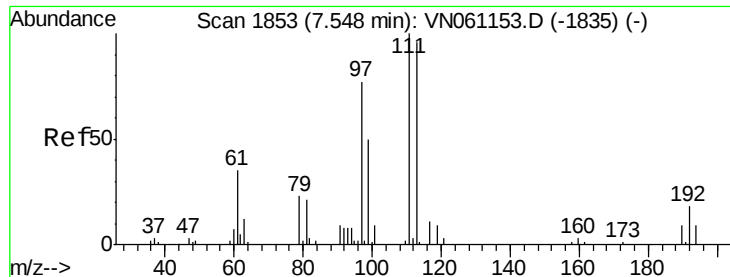
Tot Ion: 65 Resp: 76334
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061339.D
 Acq: 7 May 2020 17:16

Tgt Ion: 114 Resp: 165799
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 16.9 0.0 33.4

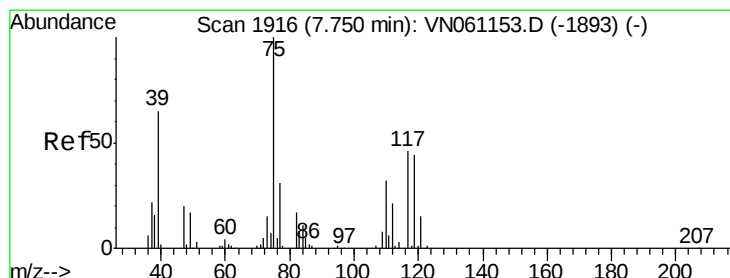
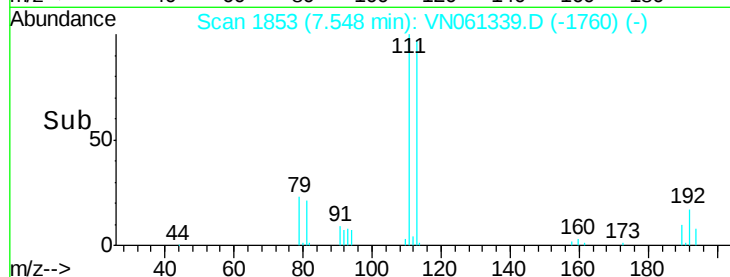
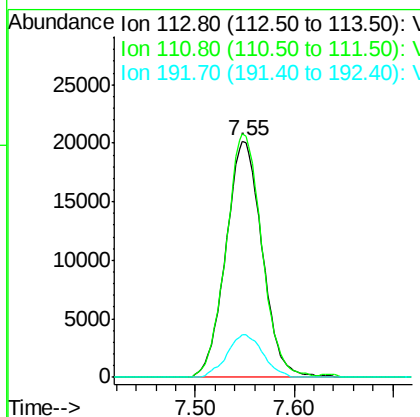
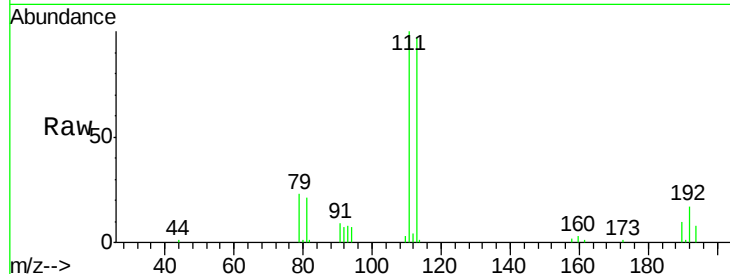




#35
 Dibromofluoromethane
 Concen: 52.756 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061339.D
 Acq: 7 May 2020 17:16

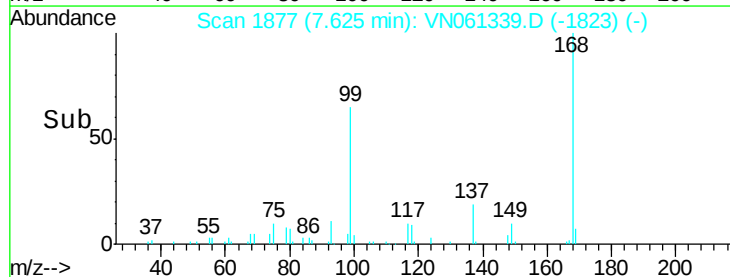
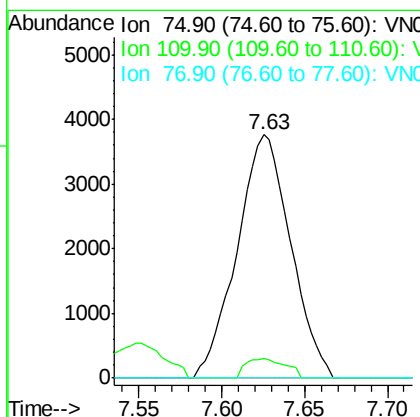
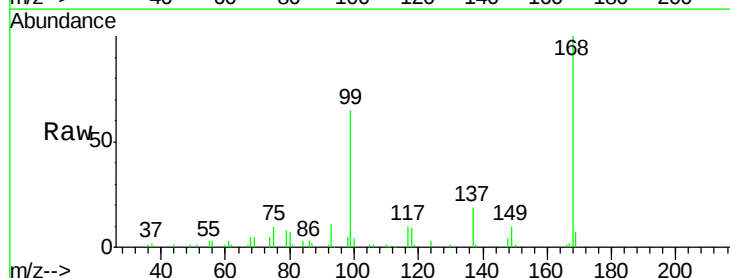
Instrument :
 MSVOA_N
 ClientSampled :

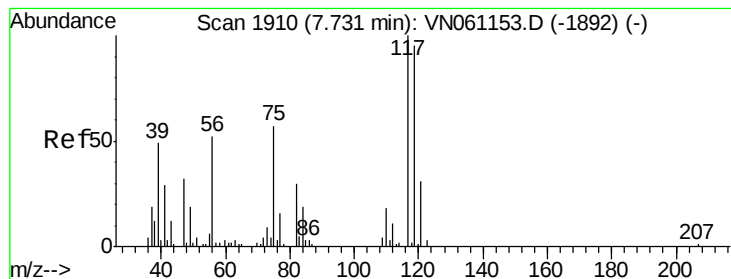
Tot Ion:113 Resp: 51722
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.9 124.3
 192 17.8 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061339.D
 Acq: 7 May 2020 17:16

Tgt Ion: 75 Resp: 8455
 Ion Ratio Lower Upper
 75 100
 110 5.9 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.469 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061339.D

Acq: 7 May 2020 17:16

Instrument :
MSVOA_N
ClientSampled :

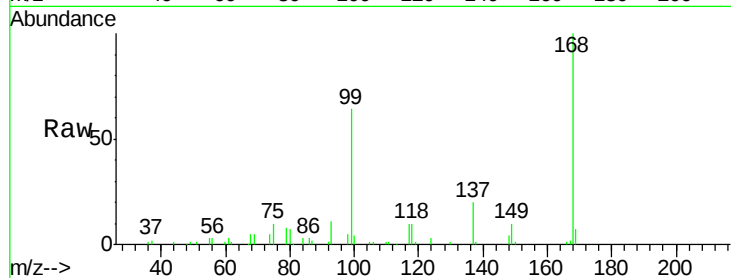
Tot Ion:117 Resp: 9811

Ion Ratio Lower Upper

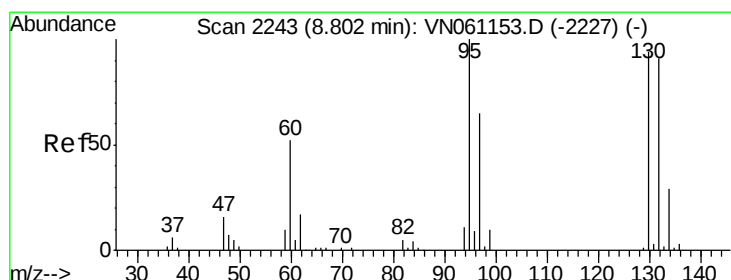
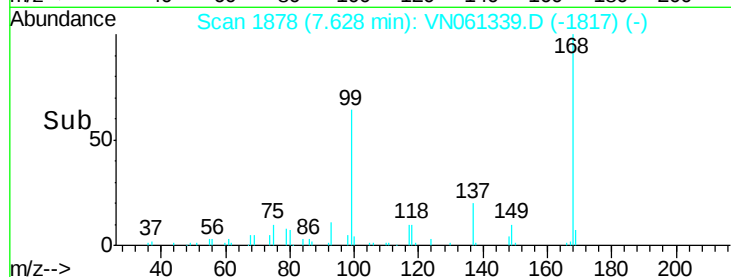
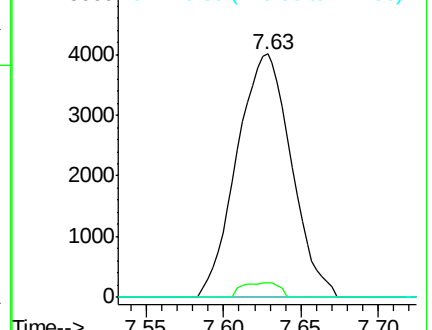
117 100

119 6.1 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



#44

Trichloroethene

Concen: 3.105 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061339.D

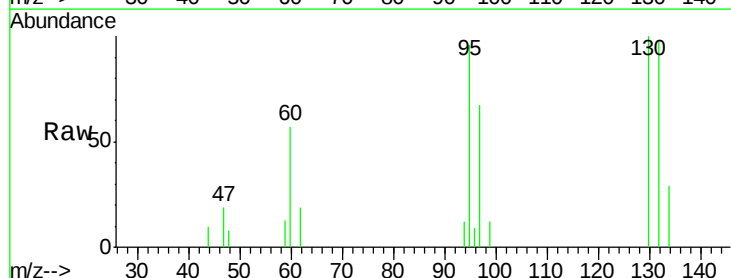
Acq: 7 May 2020 17:16

Tgt Ion:130 Resp: 4151

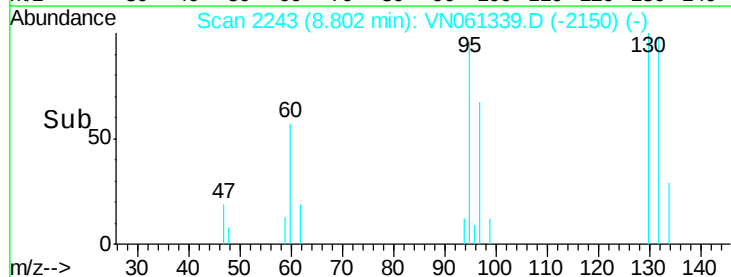
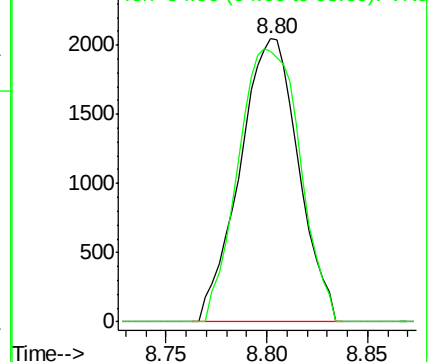
Ion Ratio Lower Upper

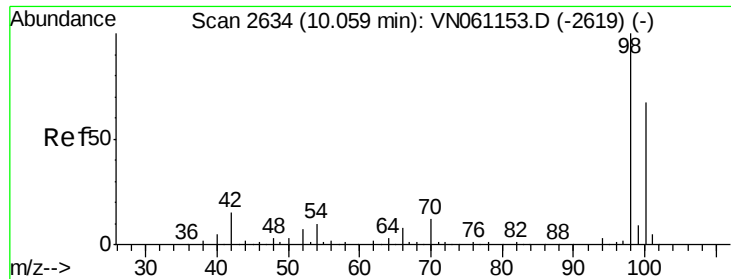
130 100

95 95.7 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 51.842 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061339.D

Acq: 7 May 2020 17:16

Instrument :

MSVOA_N

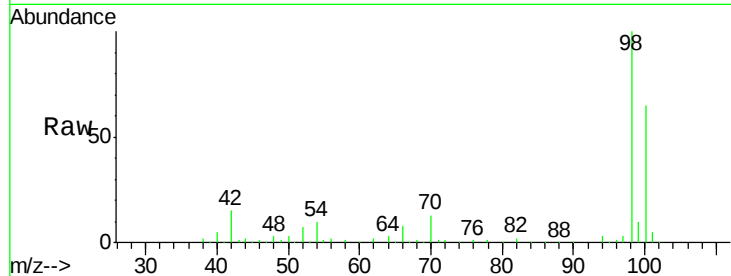
ClientSampleId :

Tot Ion: 98 Resp: 207194

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

120000

100000

80000

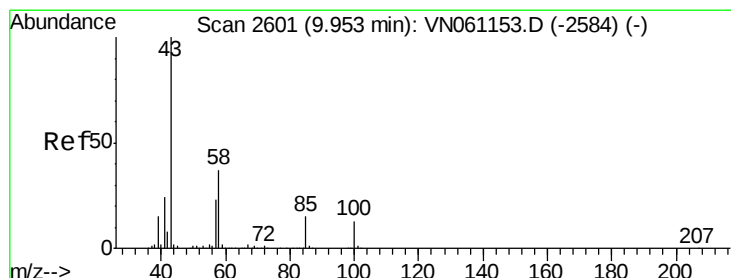
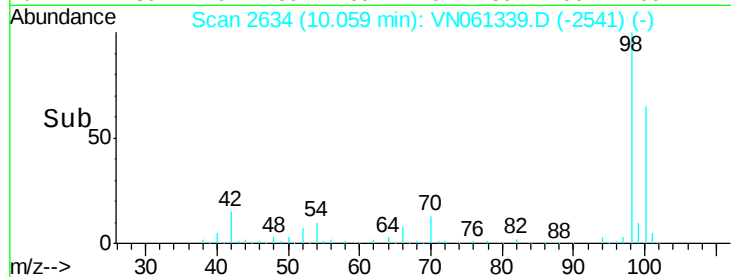
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.604 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061339.D

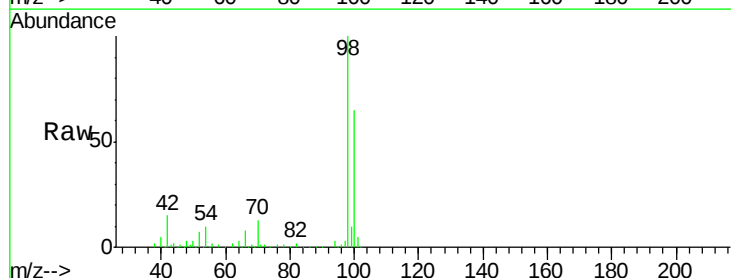
Acq: 7 May 2020 17:16

Tgt Ion: 43 Resp: 1149

Ion Ratio Lower Upper

43 100

58 165.4 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) (-)

1200

1000

800

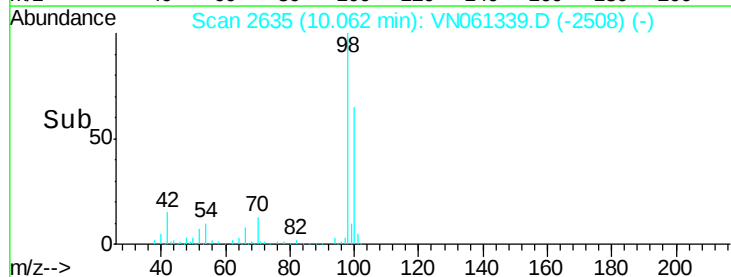
600

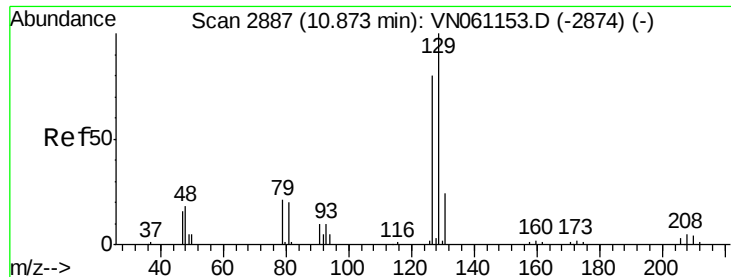
400

200

0

Time-->

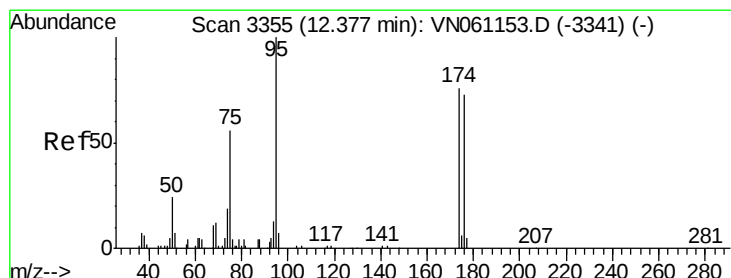
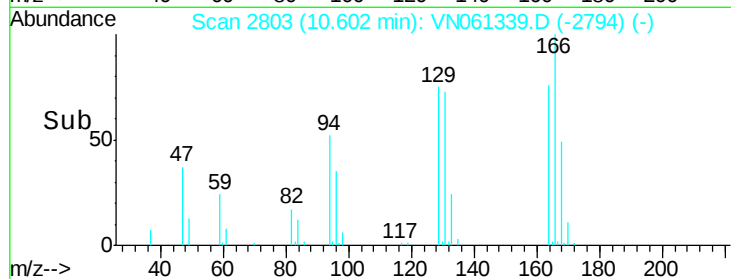
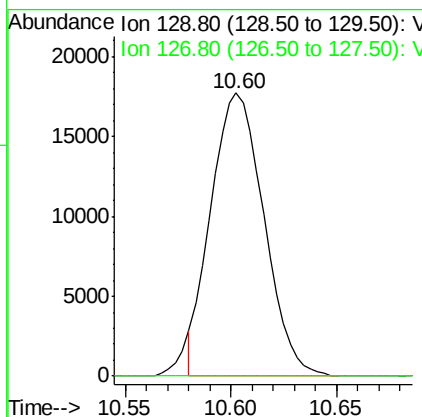
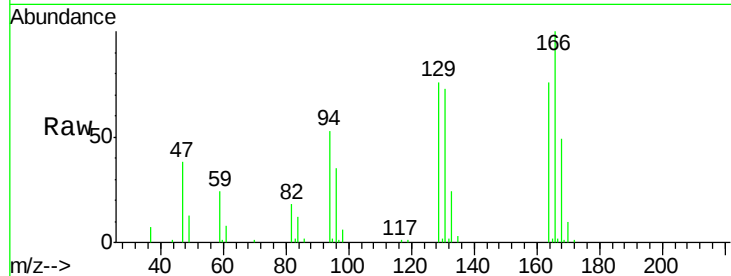




#60
 Dibromochloromethane
 Concen: 24.834 ug/l
 RT: 10.60 min Scan# 2803
 Delta R.T. -0.27 min
 Lab File: VN061339.D
 Acq: 7 May 2020 17:16

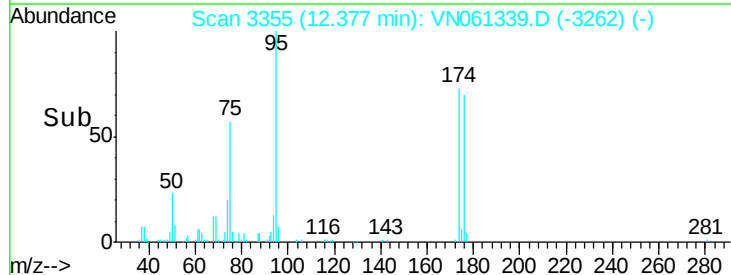
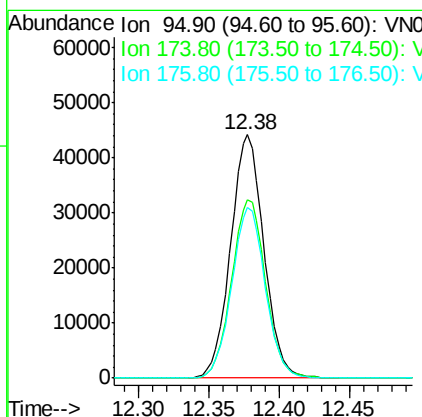
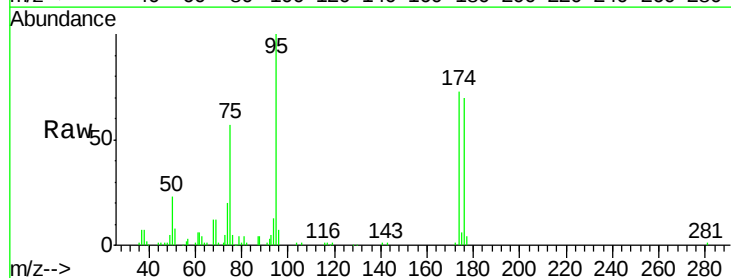
Instrument :
 MSVOA_N
 ClientSampleId :

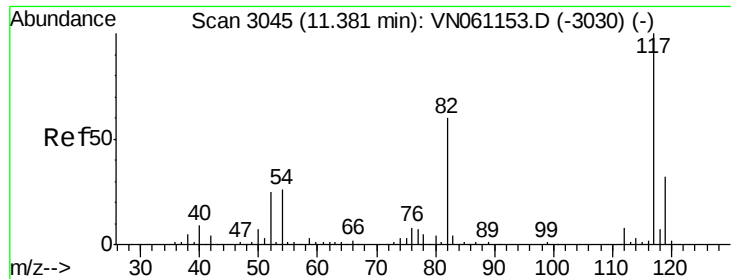
Tot Ion:129 Resp: 30899
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.3 117.8#



#62
 4-Bromofluorobenzene
 Concen: 48.556 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061339.D
 Acq: 7 May 2020 17:16

Tgt Ion: 95 Resp: 73029
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 149.4
 176 70.8 0.0 144.8

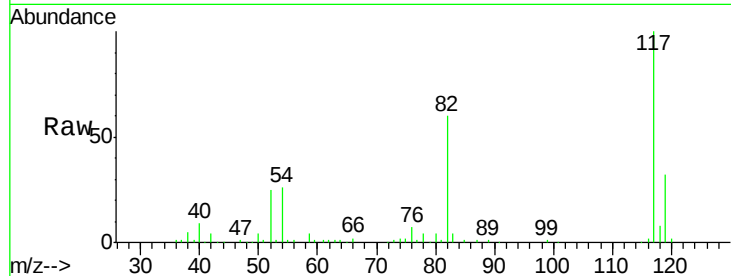




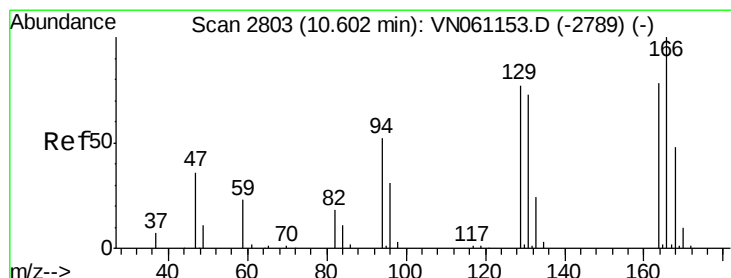
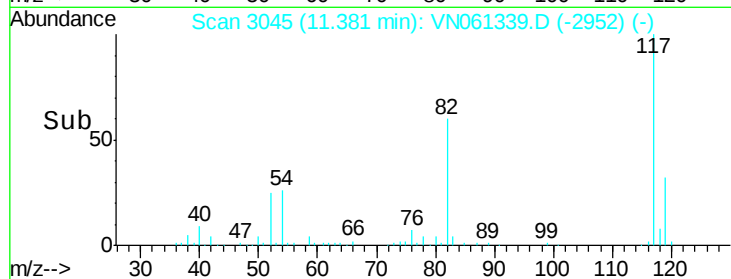
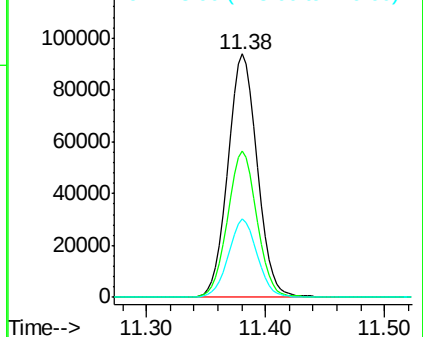
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061339.D
Acq: 7 May 2020 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 160339
Ion Ratio Lower Upper
117 100
82 60.0 47.8 71.8
119 32.0 25.8 38.6



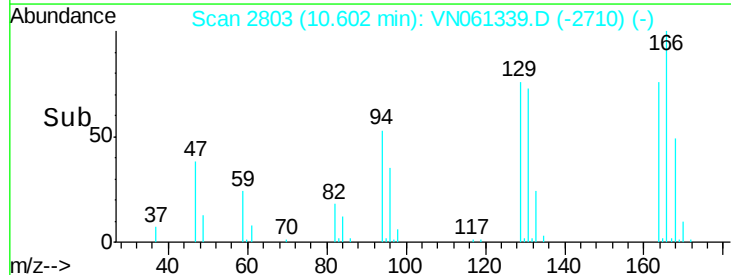
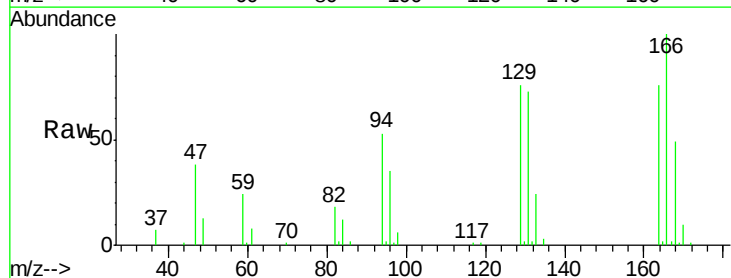
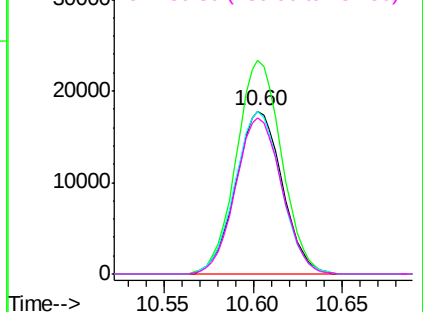
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

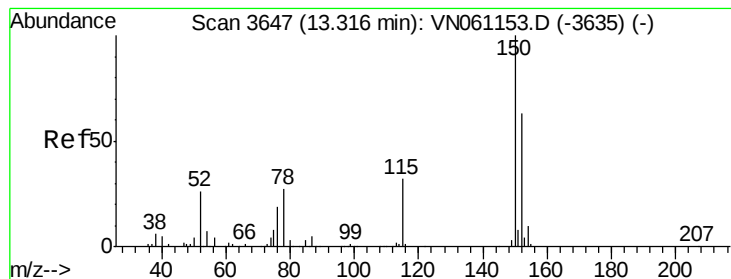


#64
Tetrachloroethene
Concen: 23.266 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061339.D
Acq: 7 May 2020 17:16

Tgt Ion:164 Resp: 32310
Ion Ratio Lower Upper
164 100
166 130.9 102.0 153.0
129 99.5 78.2 117.2
131 95.7 74.5 111.7

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VN061339.D

Acq: 7 May 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

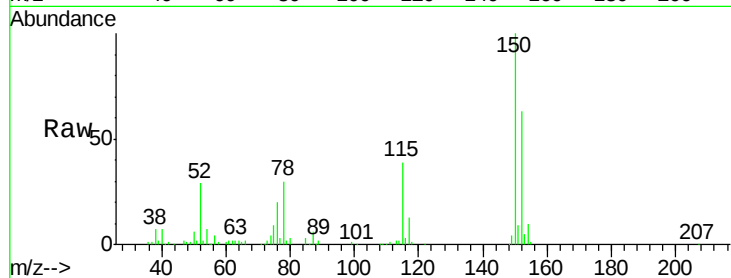
Tot Ion:152 Resp: 65807

Ion Ratio Lower Upper

152 100

115 62.9 31.0 93.0

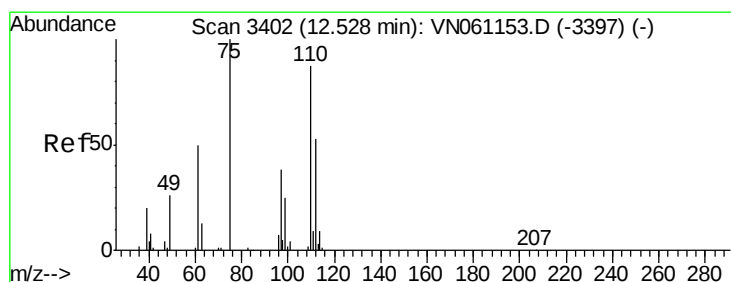
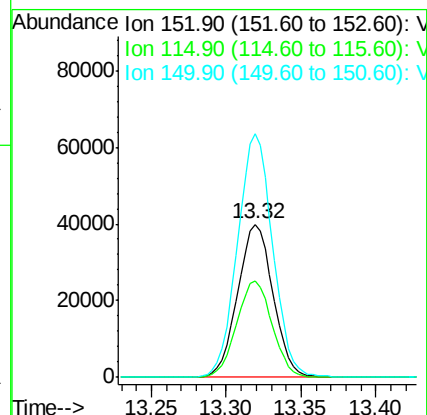
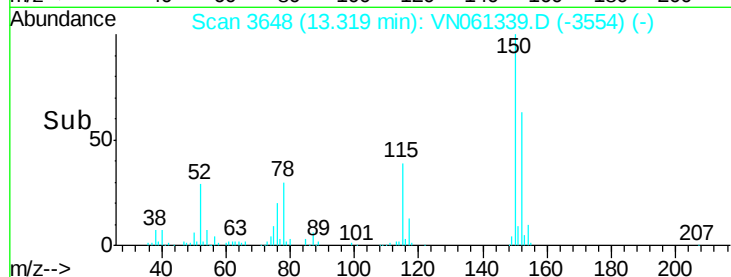
150 157.9 0.0 351.8



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: 29.806 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061339.D

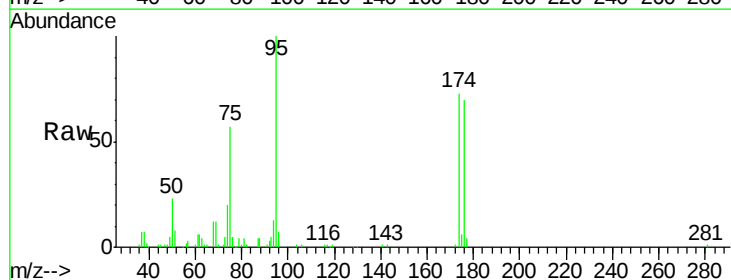
Acq: 7 May 2020 17:16

Tgt Ion: 75 Resp: 41352

Ion Ratio Lower Upper

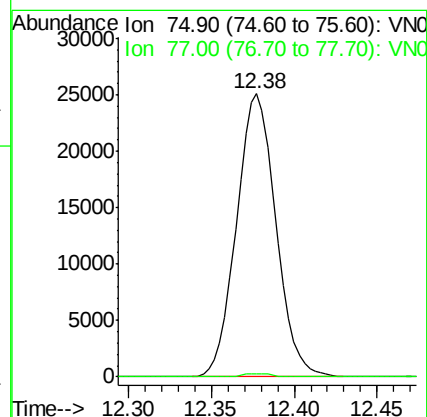
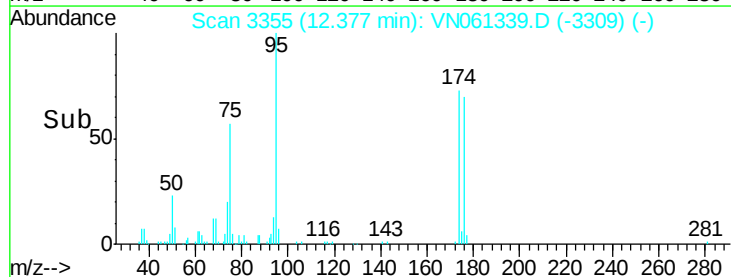
75 100

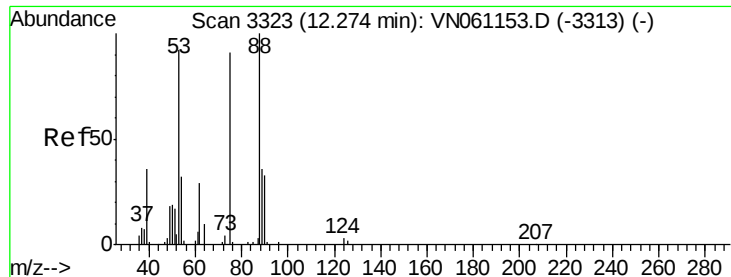
77 0.7 0.0 0.0#



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: 75.691 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061339.D

Acq: 7 May 2020 17:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 41352

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

