

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
 Data File : VN061186.D
 Acq On : 29 Apr 2020 12:41
 Operator : JC/MD
 Sample : L2443-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 15:15:47 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	92786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	165742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	160185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	70554	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	76425	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	7.55	113	48595	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.06	98	207653	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.38	95	77644	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	

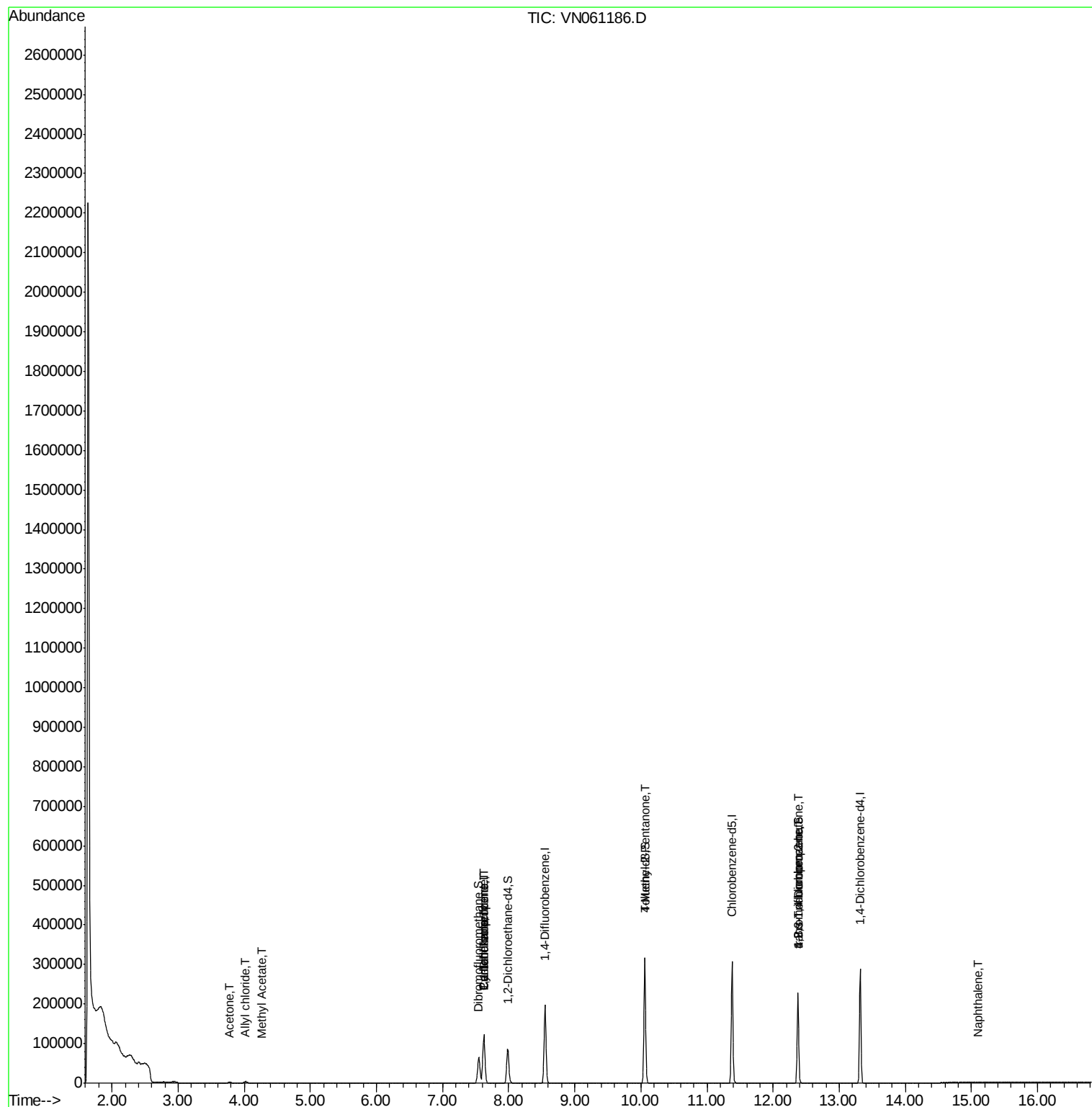
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.01	41	496	0.273	ug/l #	74
16) Acetone	3.78	43	3711	1.034	ug/l	98
18) Methyl Acetate	4.27	43	124	0.745	ug/l #	55
31) Cyclohexane	7.62	56	2639	1.236	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	8026	4.837	ug/l #	47
38) Carbon Tetrachloride	7.63	117	10013	8.599	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1087	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	43015	28.918	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	43015	73.437	ug/l #	8
95) Naphthalene	15.11	128	843	0.201	ug/l #	69

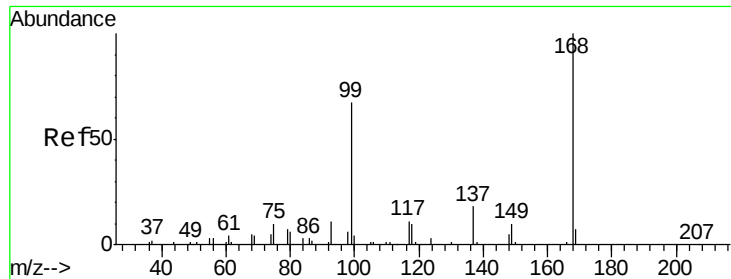
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 29 08:14:26 2020
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: VN061186.D

Acq: 29 Apr 2020 12:41

Instrument :

MSVOA_N

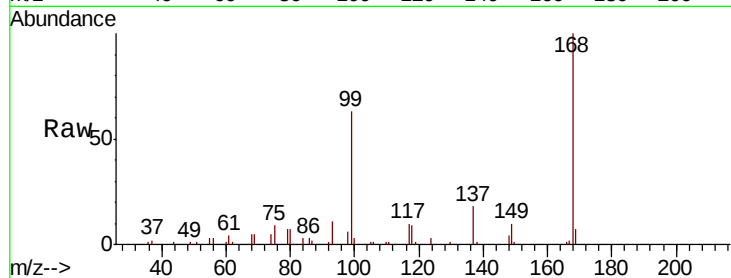
ClientSampled :

Tot Ion:168 Resp: 92786

Ion Ratio Lower Upper

168 100

99 63.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

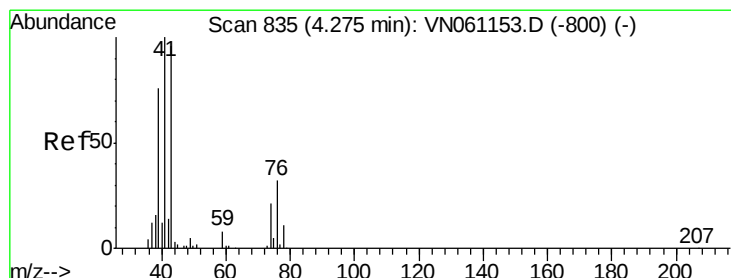
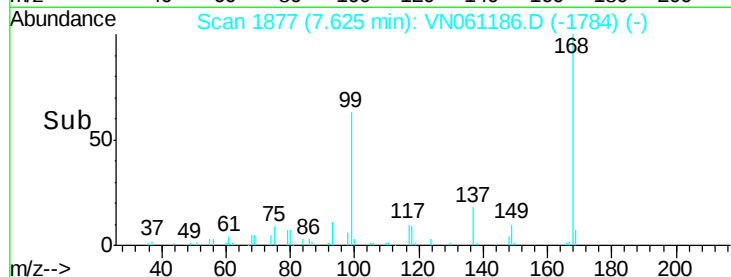
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#14

Allyl chloride

Concen: 0.273 ug/l

RT: 4.01 min Scan# 753

Delta R.T. -0.26 min

Lab File: VN061186.D

Acq: 29 Apr 2020 12:41

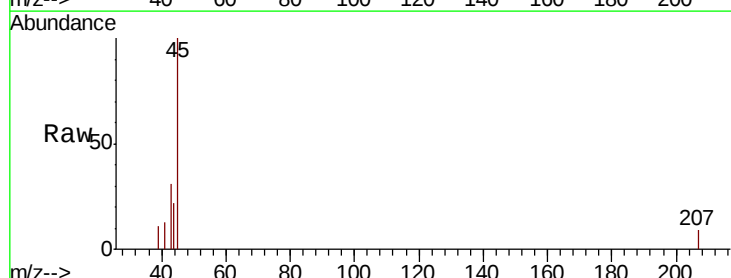
Tgt Ion: 41 Resp: 496

Ion Ratio Lower Upper

41 100

39 95.2 57.1 85.7#

76 19.2 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.01

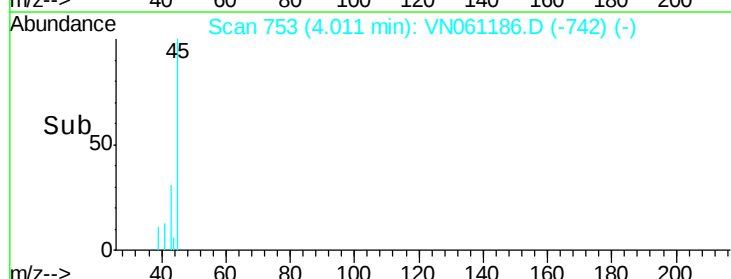
300

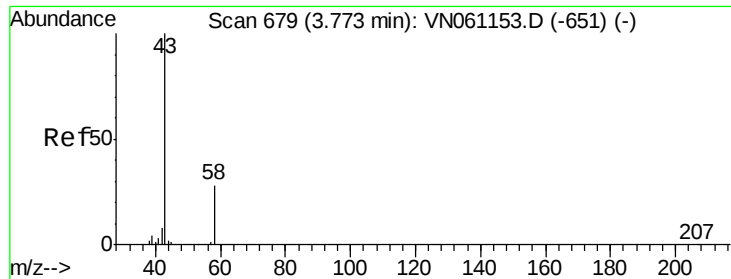
200

100

0

Time--> 3.98 4.00 4.02 4.04 4.06





#16

Acetone

Concen: 1.034 ug/l

RT: 3.78 min Scan# 682

Delta R.T. 0.01 min

Lab File: VN061186.D

Acq: 29 Apr 2020 12:41

Instrument :

MSVOA_N

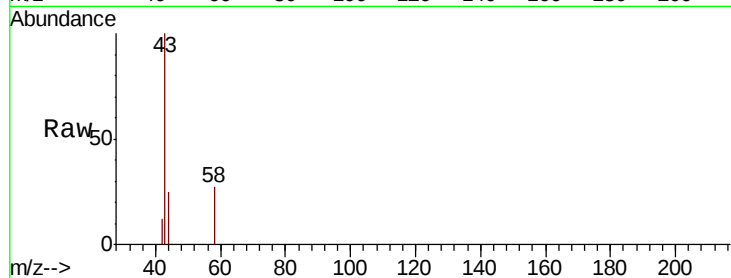
ClientSampled :

Tot Ion: 43 Resp: 3711

Ion Ratio Lower Upper

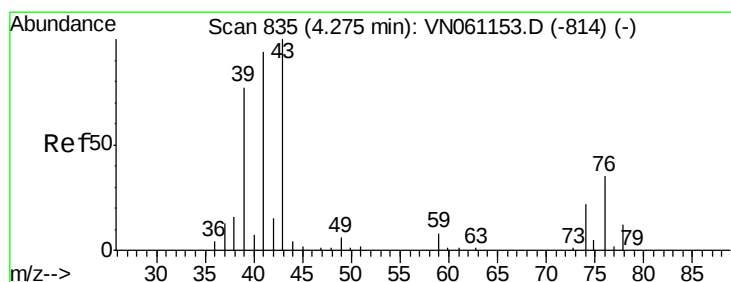
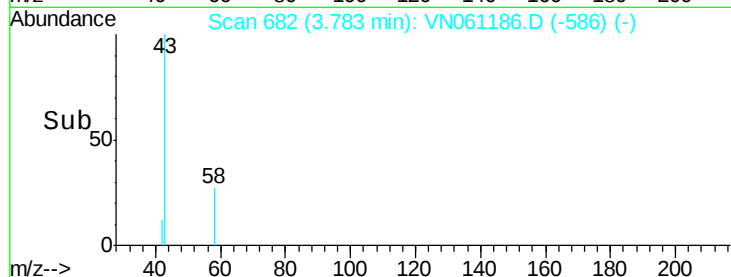
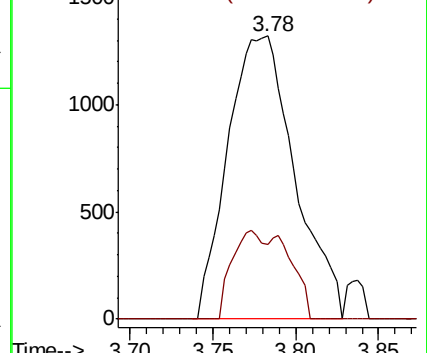
43 100

58 26.5 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) (-)



#18

Methyl Acetate

Concen: 0.745 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061186.D

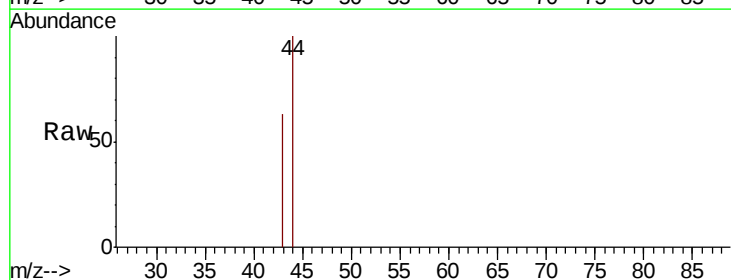
Acq: 29 Apr 2020 12:41

Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

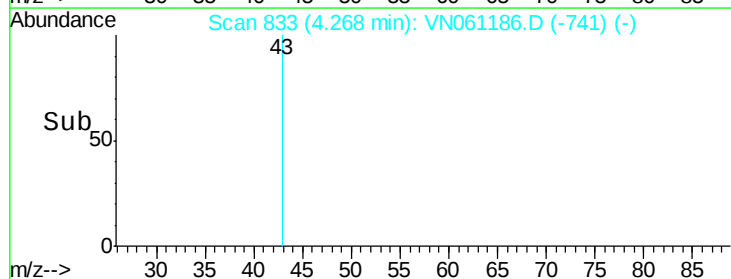
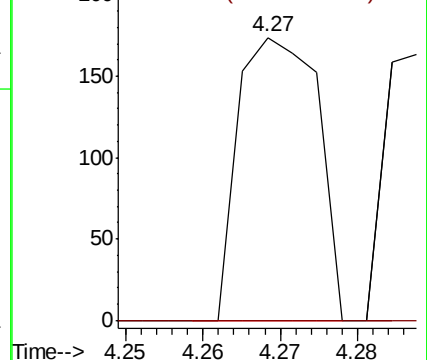
43 100

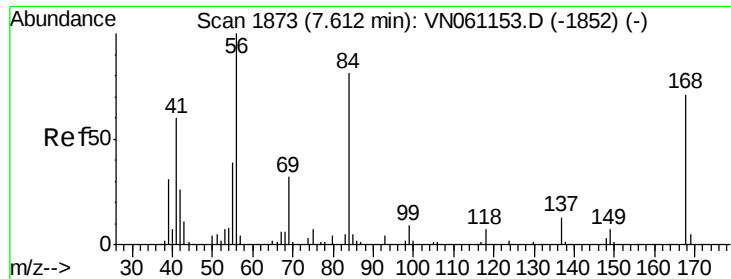
74 0.0 17.0 25.4#



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

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

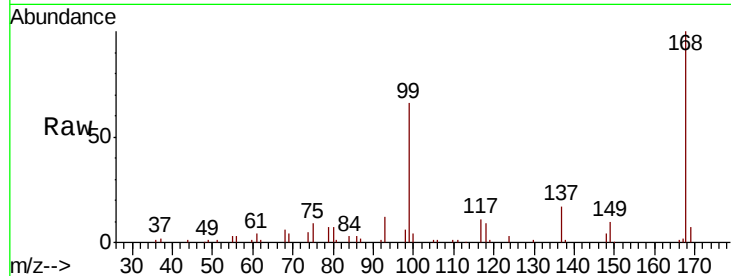




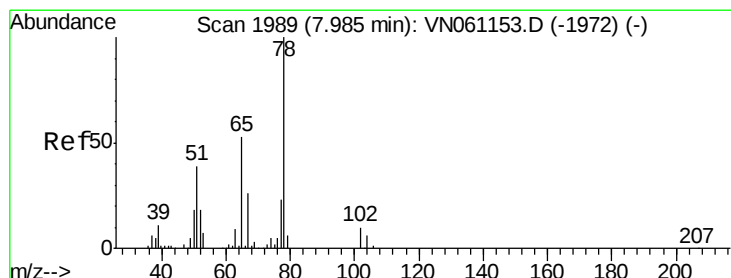
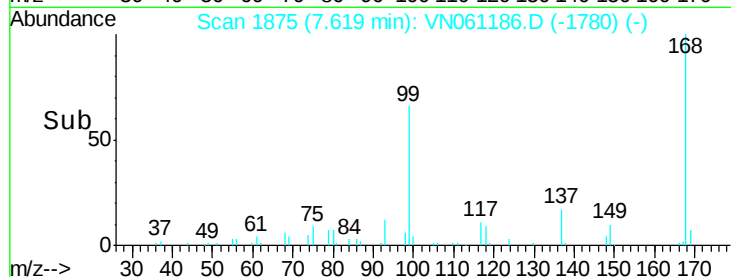
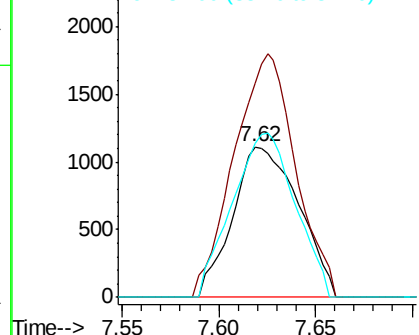
#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VN061186.D
Acq: 29 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2639
Ion Ratio Lower Upper
56 100
69 142.0 25.7 38.5#
84 102.5 64.6 97.0#

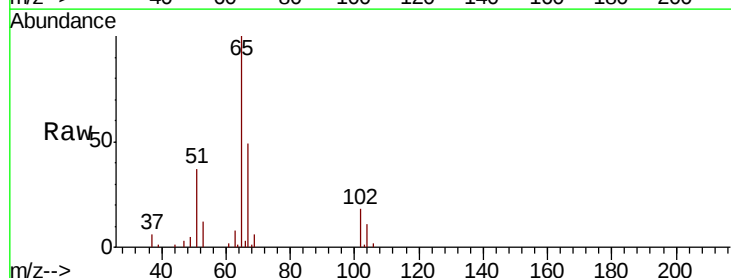


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

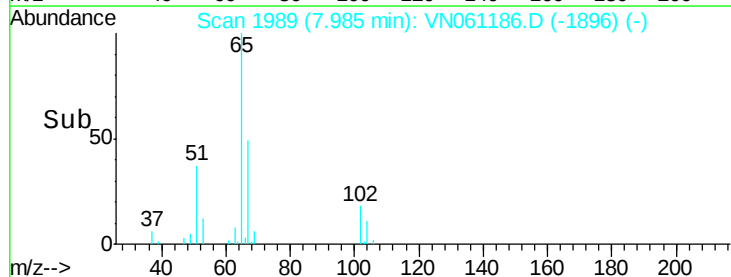
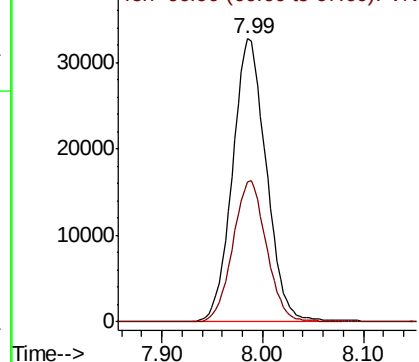


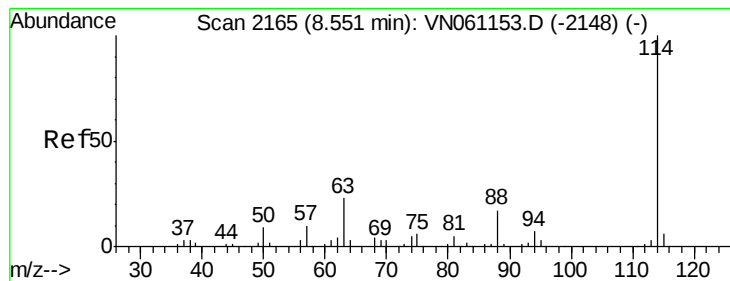
#33
1,2-Dichloroethane-d4
Concen: 52.055 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061186.D
Acq: 29 Apr 2020 12:41

Tgt Ion: 65 Resp: 76425
Ion Ratio Lower Upper
65 100
67 49.3 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: VN061186.D

Acq: 29 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

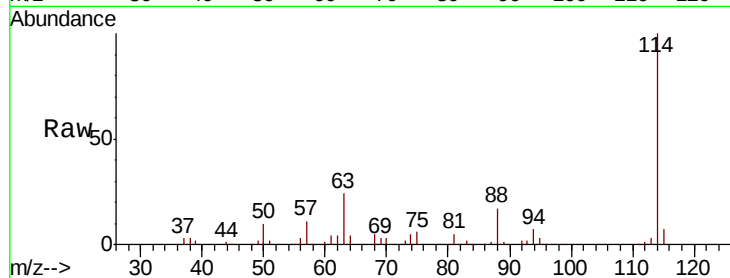
Tot Ion:114 Resp: 165742

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.6

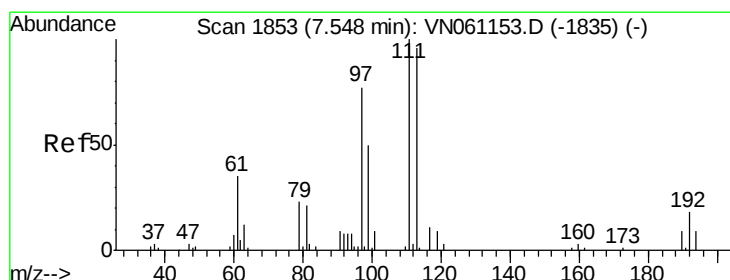
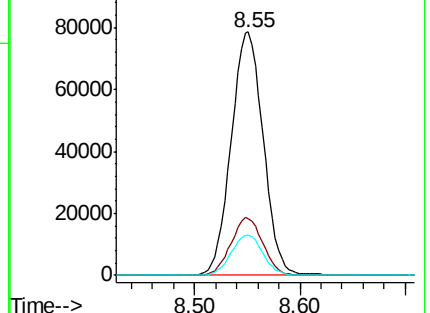
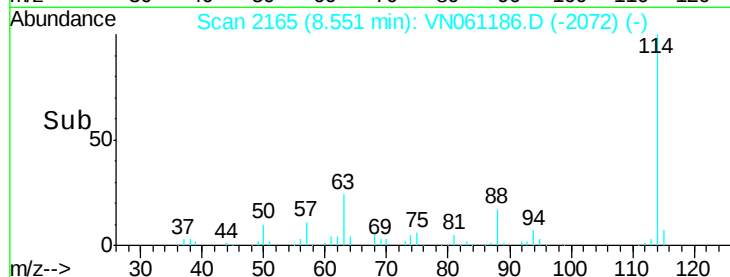
88 16.6 0.0 33.4



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: 49.583 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061186.D

Acq: 29 Apr 2020 12:41

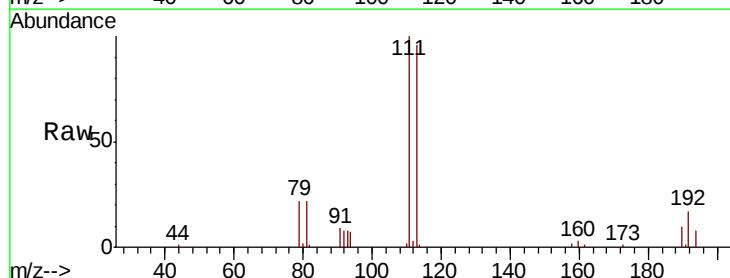
Tgt Ion:113 Resp: 48595

Ion Ratio Lower Upper

113 100

111 105.3 82.9 124.3

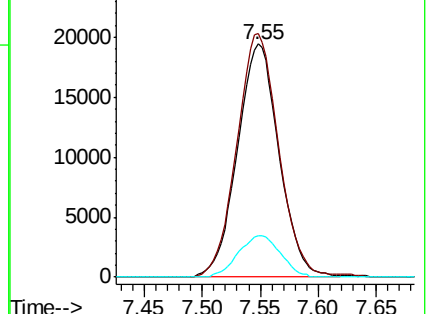
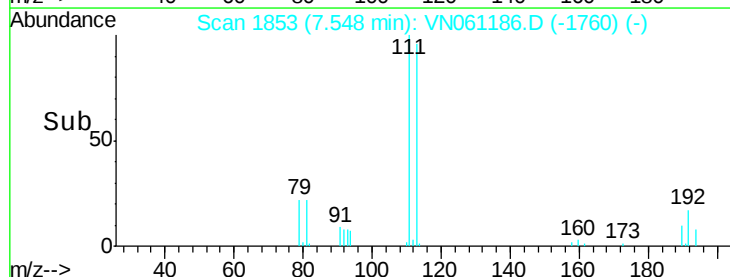
192 18.0 14.7 22.1

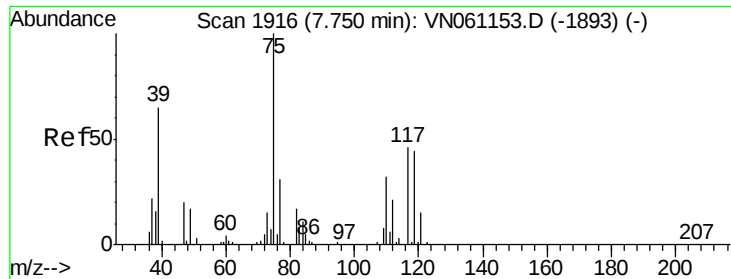


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

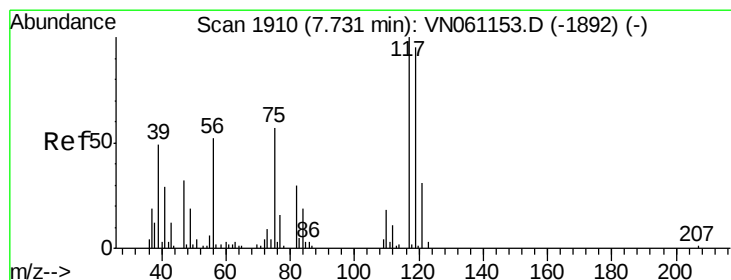
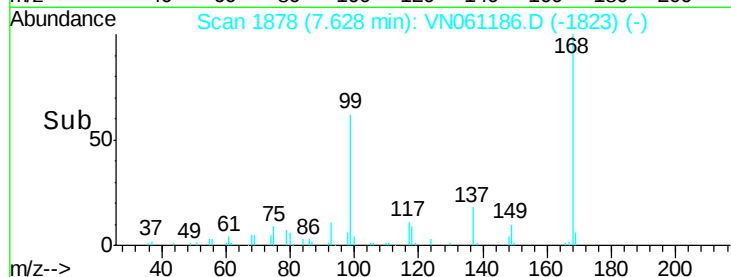
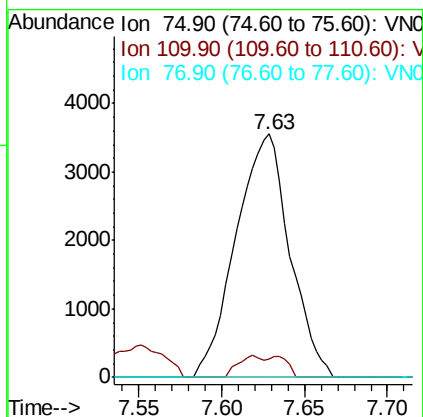
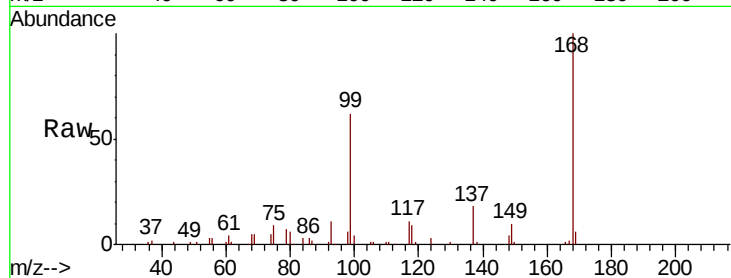




#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.12 min
 Lab File: VN061186.D
 Acq: 29 Apr 2020 12:41

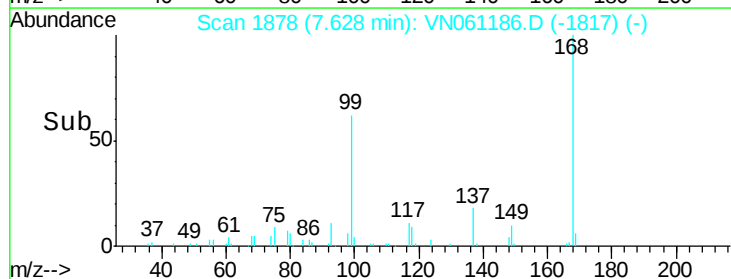
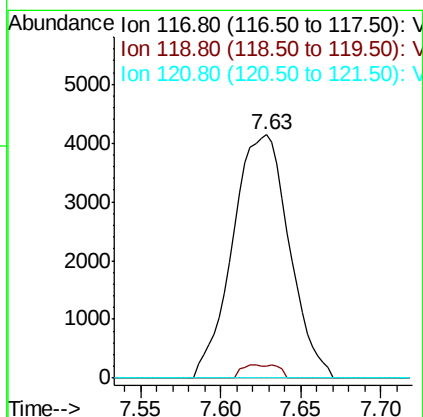
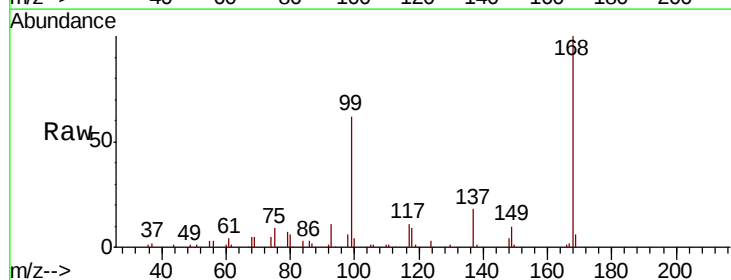
Instrument :
 MSVOA_N
 ClientSampleId :

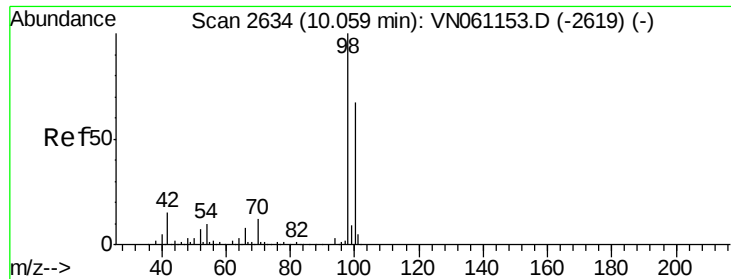
Tot Ion: 75 Resp: 8026
 Ion Ratio Lower Upper
 75 100
 110 4.1 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.599 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.10 min
 Lab File: VN061186.D
 Acq: 29 Apr 2020 12:41

Tgt Ion: 117 Resp: 10013
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.8 113.6#
 121 0.0 24.7 37.1#

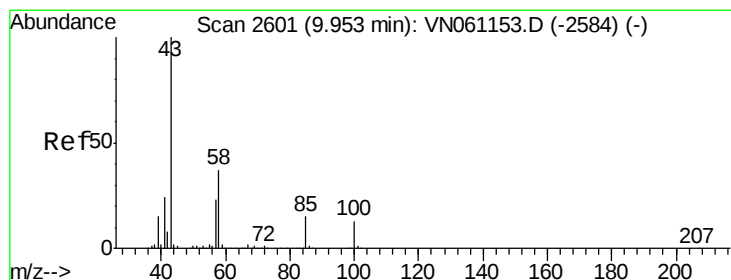
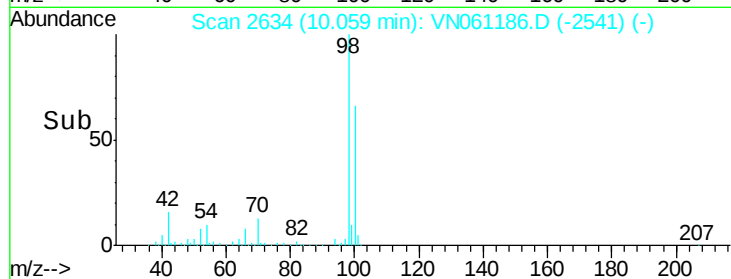
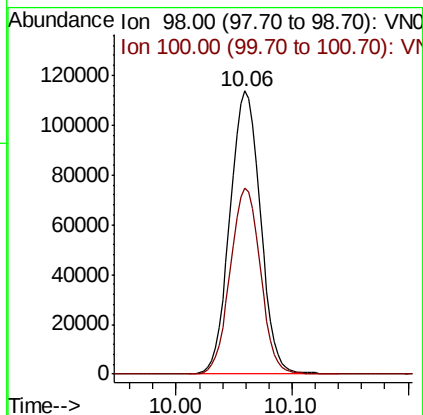
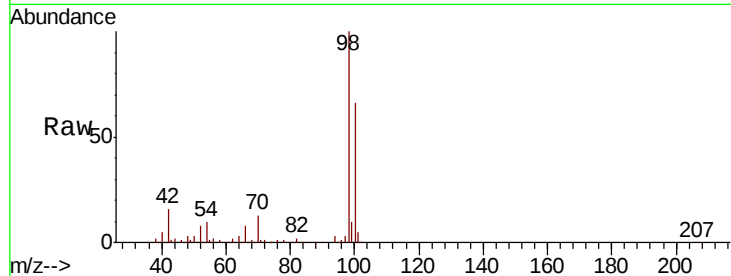




#50
Toluene-d8
Concen: 51.975 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061186.D
Acq: 29 Apr 2020 12:41

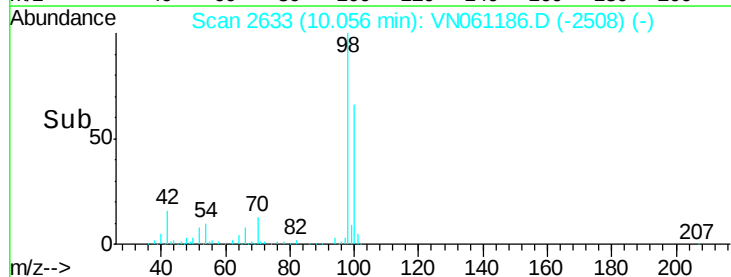
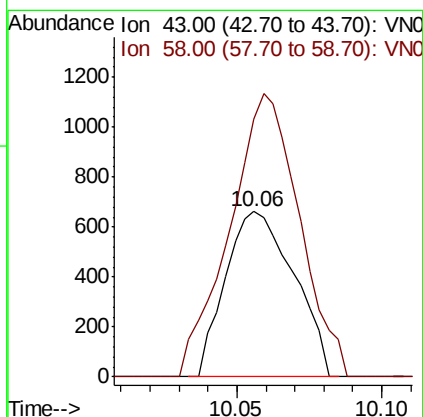
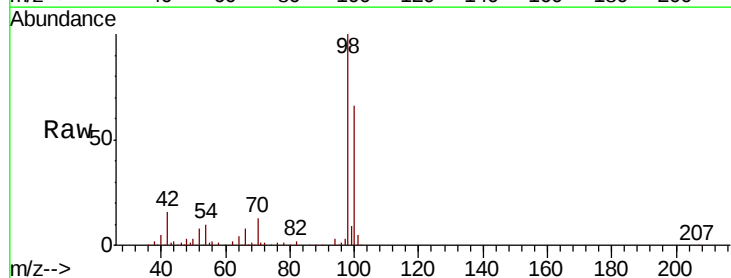
Instrument :
MSVOA_N
ClientSampleId :

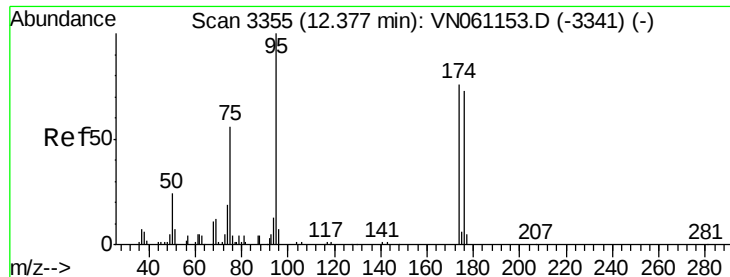
Tot Ion: 98 Resp: 207653
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 10.06 min Scan# 2633
Delta R.T. 0.10 min
Lab File: VN061186.D
Acq: 29 Apr 2020 12:41

Tgt Ion: 43 Resp: 1087
Ion Ratio Lower Upper
43 100
58 174.1 29.1 43.7#





#62

4-Bromofluorobenzene

Concen: 51.643 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061186.D

Acq: 29 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

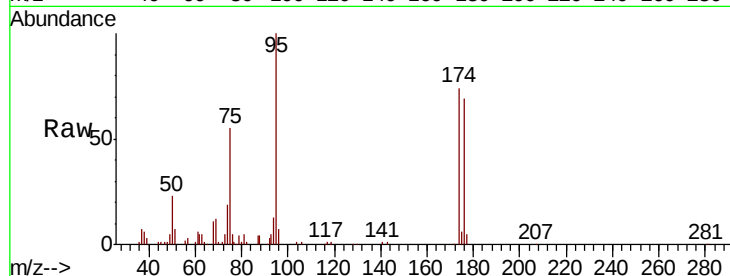
Tot Ion: 95 Resp: 77644

Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.4

176 69.0 0.0 144.8

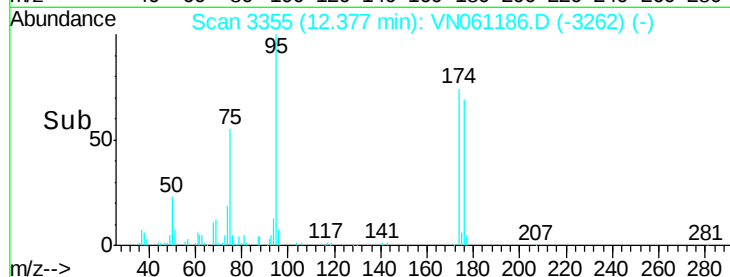


Abundance Ion 94.90 (94.60 to 95.60): VN061186.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061186.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061186.D (-3262) (-)

Time-->



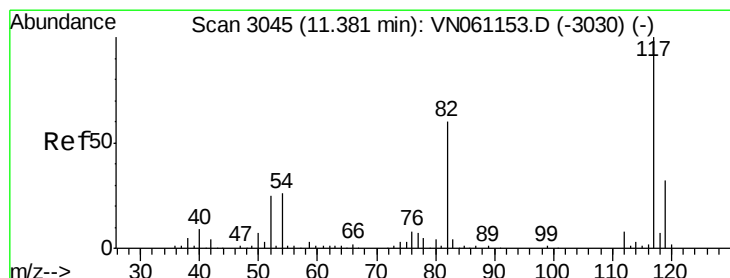
Abundance

Ion 94.90 (94.60 to 95.60): VN061186.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061186.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061186.D (-3262) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061186.D

Acq: 29 Apr 2020 12:41

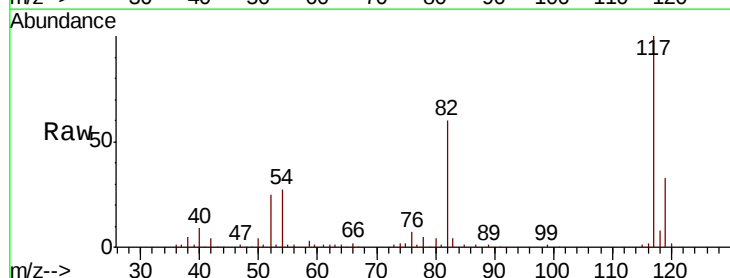
Tgt Ion: 117 Resp: 160185

Ion Ratio Lower Upper

117 100

82 60.0 47.8 71.8

119 32.5 25.8 38.6

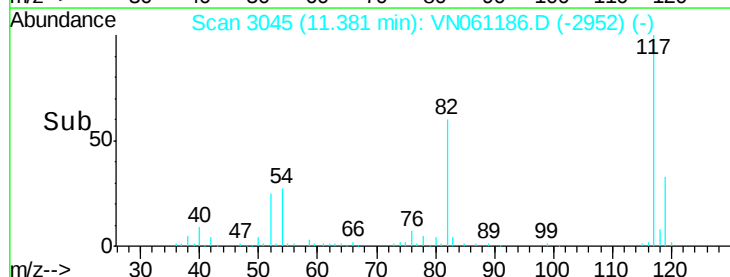


Abundance Ion 116.90 (116.60 to 117.60): VN061186.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061186.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061186.D (-2952) (-)

Time-->



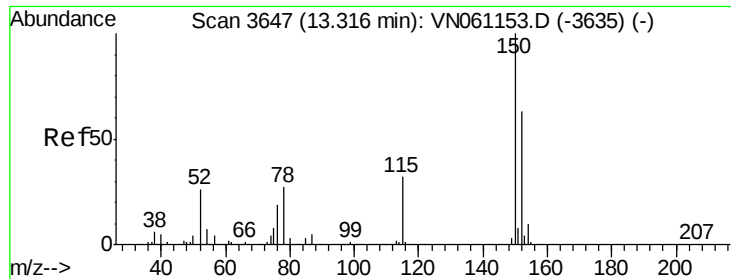
Abundance

Ion 116.90 (116.60 to 117.60): VN061186.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061186.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061186.D (-2952) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061186.D

Acq: 29 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

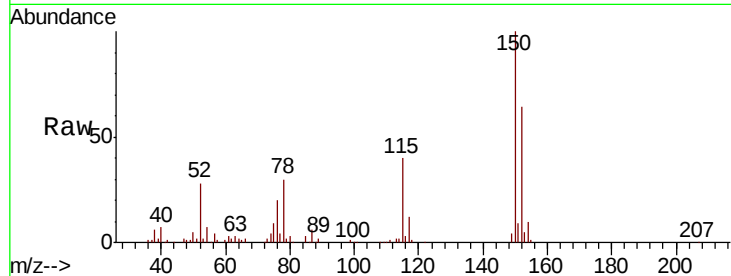
Tot Ion:152 Resp: 70554

Ion Ratio Lower Upper

152 100

115 62.5 31.0 93.0

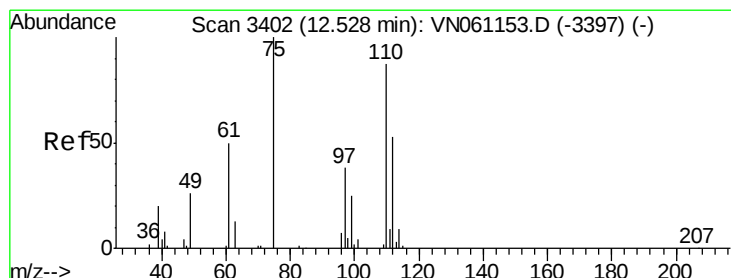
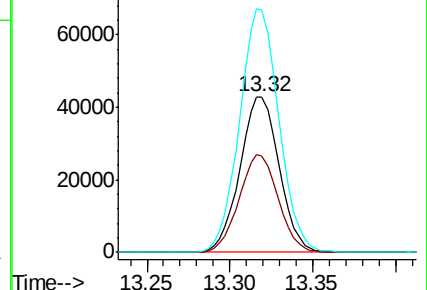
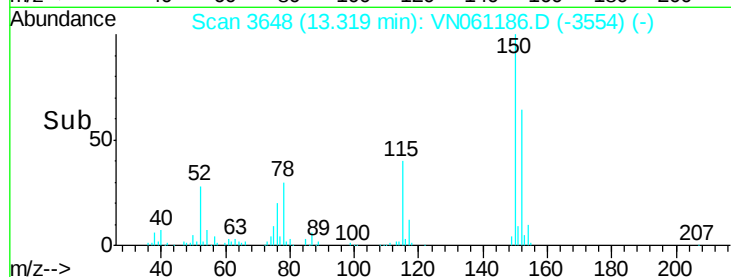
150 156.9 0.0 351.8



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: 28.918 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.15 min

Lab File: VN061186.D

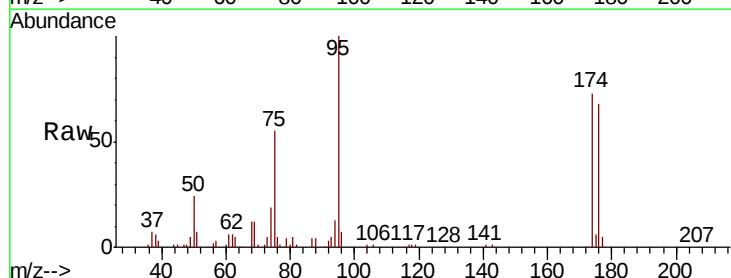
Acq: 29 Apr 2020 12:41

Tgt Ion: 75 Resp: 43015

Ion Ratio Lower Upper

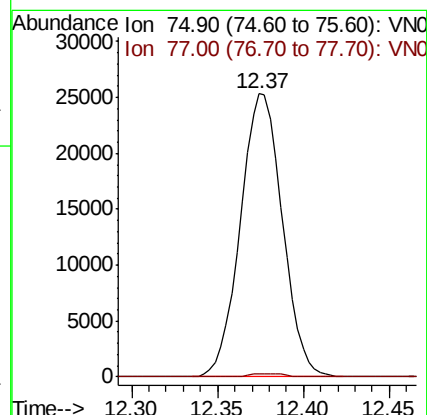
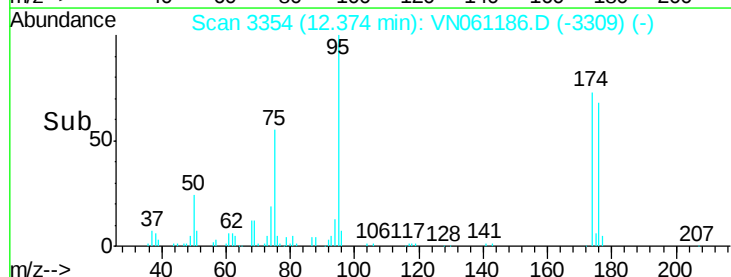
75 100

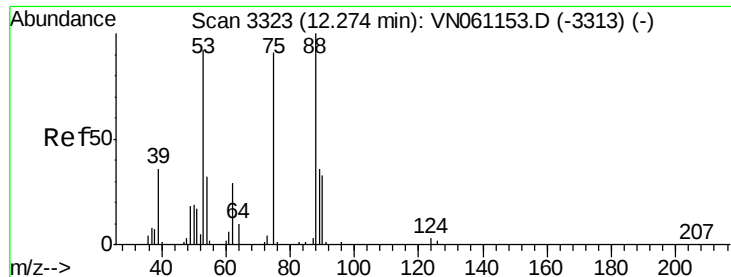
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

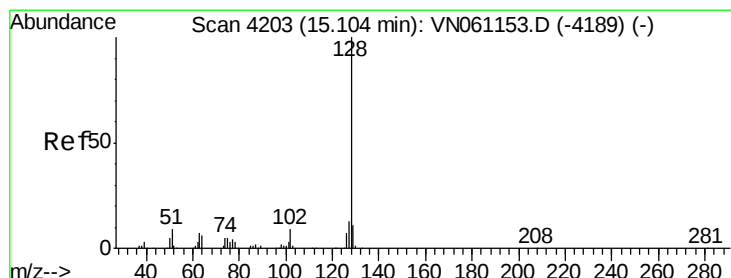
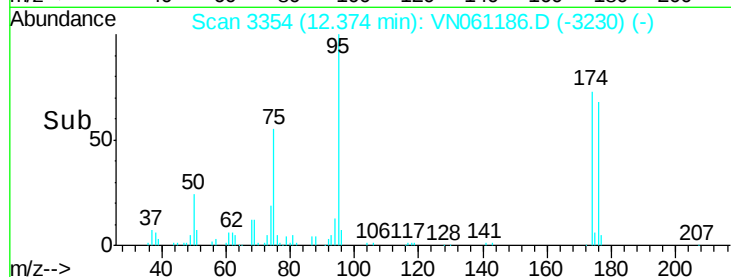
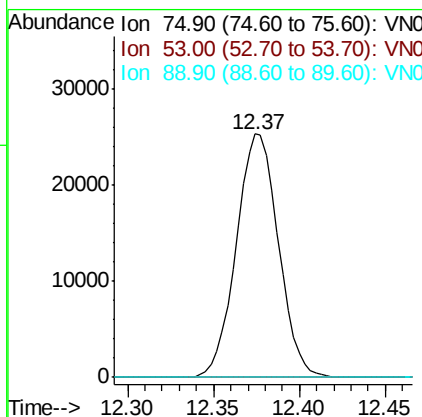
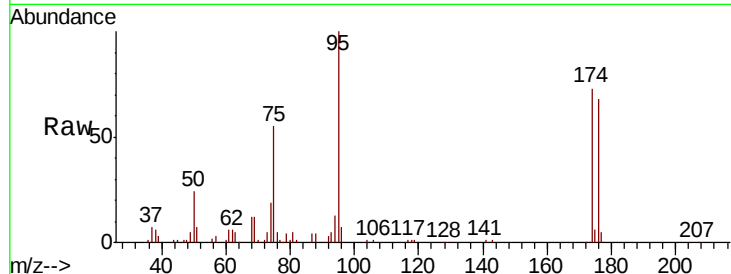




#81
trans-1,4-Dichloro-2-butene
Concen: 73.437 ug/l
RT: 12.37 min Scan# 3354
Delta R.T. 0.10 min
Lab File: VN061186.D
Acq: 29 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 43015
Ion Ratio Lower Upper
75 100
53 0.0 84.1 126.1#
89 0.0 35.2 52.8#



#95
Naphthalene
Concen: 0.201 ug/l
RT: 15.11 min Scan# 4205
Delta R.T. 0.01 min
Lab File: VN061186.D
Acq: 29 Apr 2020 12:41

Tgt Ion: 128 Resp: 843
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

