

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
 Data File : VN061993.D
 Acq On : 22 Jun 2020 12:36
 Operator : JC/MD
 Sample : L2818-01
 Misc : 4.99g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-061720

Quant Time: Jun 22 14:59:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	153709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	275141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	269834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	103937	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.54	113	86503	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.06	98	350437	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.38	95	114294	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

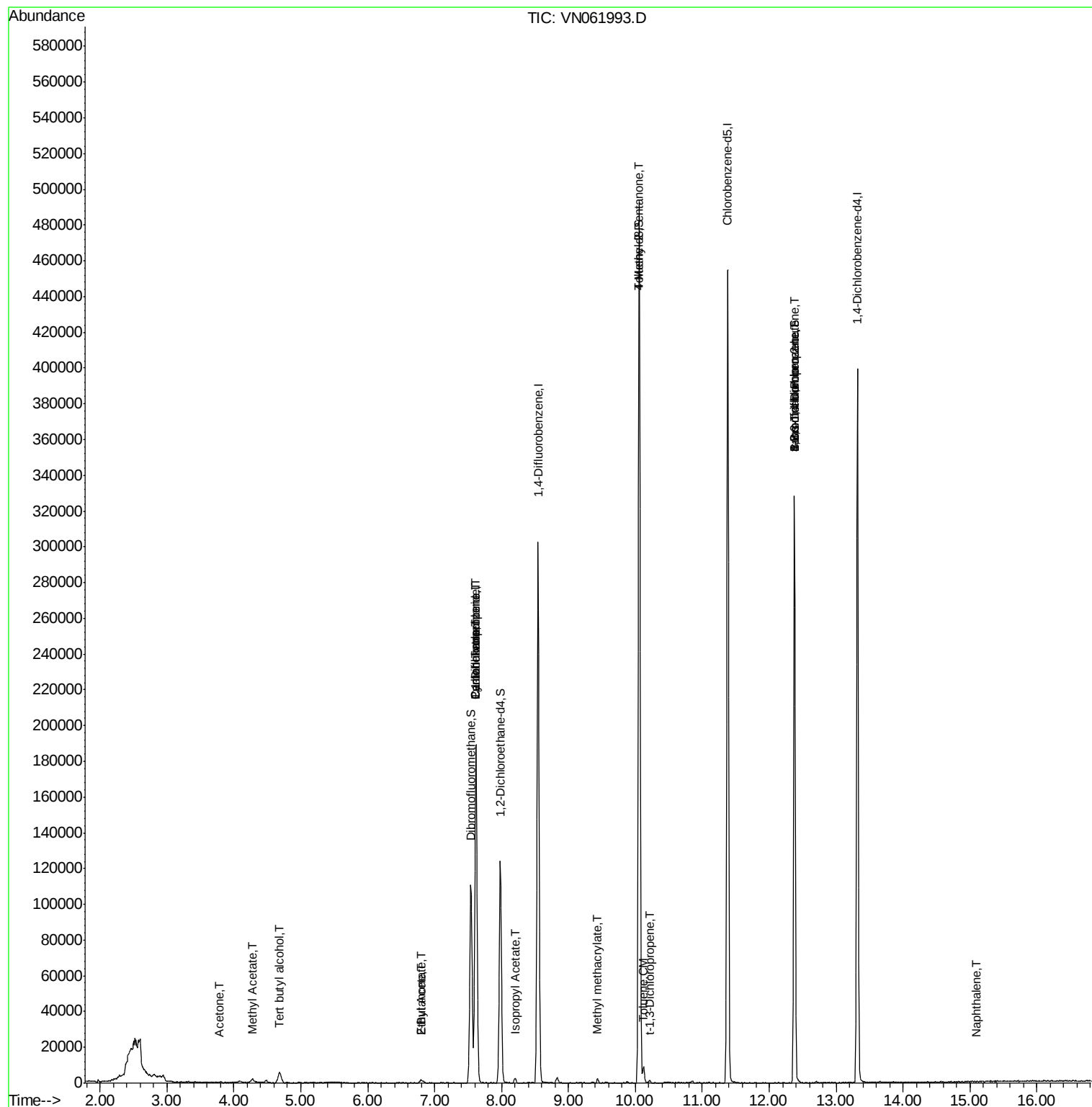
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	5534	19.400	ug/l #	74
16) Acetone	3.78	43	851	1.398	ug/l #	40
18) Methyl Acetate	4.28	43	3791	2.162	ug/l #	87
25) 2-Butanone	6.79	43	507	0.571	ug/l #	44
31) Cyclohexane	7.61	56	1759	0.647	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	11809	4.706	ug/l #	48
37) Ethyl Acetate	6.79	43	507	0.259	ug/l #	65
38) Carbon Tetrachloride	7.62	117	15203	6.117	ug/l #	17
43) Isopropyl Acetate	8.19	43	1012	0.306	ug/l #	51
48) Methyl methacrylate	9.44	41	722	0.481	ug/l #	23
51) 4-Methyl-2-Pentanone	10.06	43	1476	0.756	ug/l #	1
52) Toluene	10.13	92	1648	0.345	ug/l	96
53) t-1,3-Dichloropropene	10.21	75	949	0.332	ug/l #	42
71) Bromoform	12.38	173	949	0.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	57086	26.702	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57086	72.827	ug/l #	14
95) Naphthalene	15.10	128	598	3.586	ug/l #	69

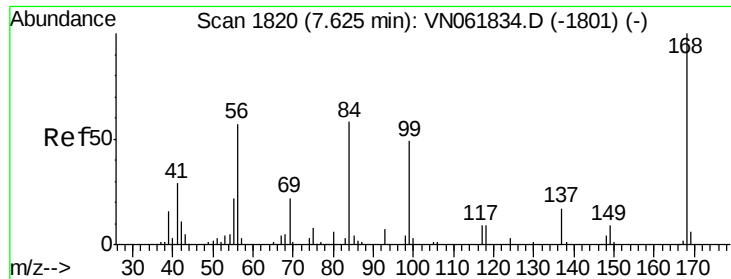
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

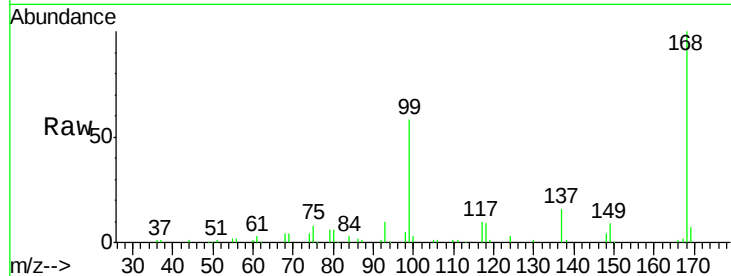
TR-05-061720

Tgt Ion:168 Resp: 153709

Ion Ratio Lower Upper

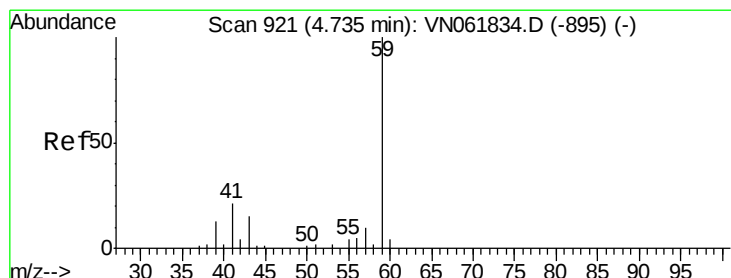
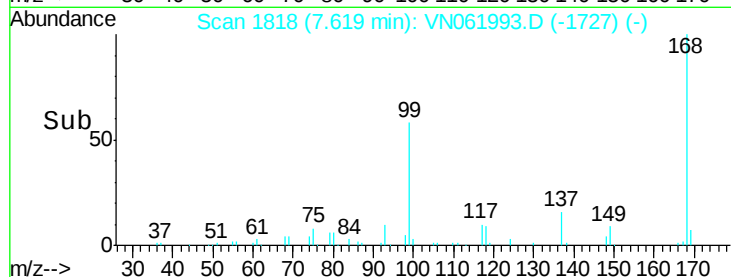
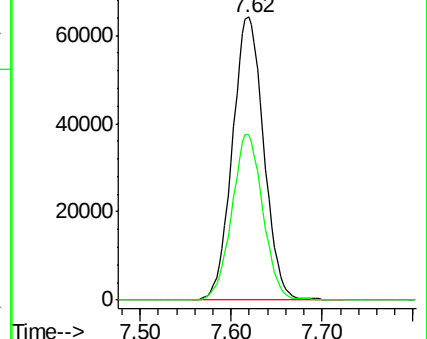
168 100

99 58.5 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 19.400 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.05 min

Lab File: VN061993.D

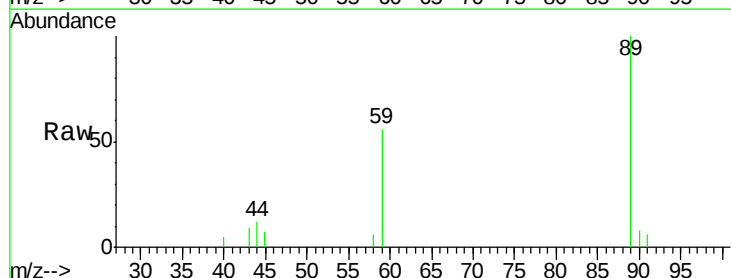
Acq: 22 Jun 2020 12:36

Tgt Ion: 59 Resp: 5534

Ion Ratio Lower Upper

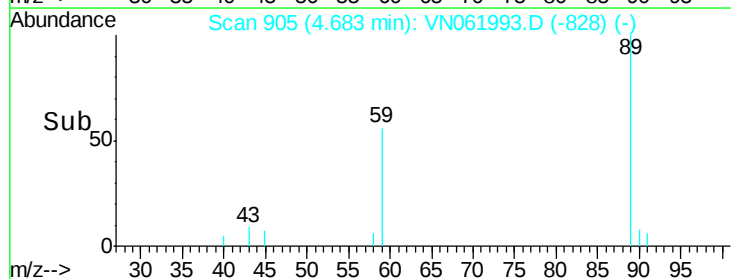
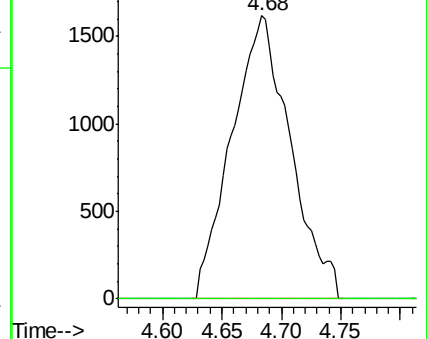
59 100

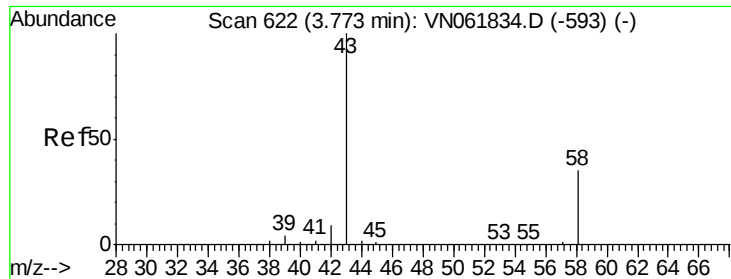
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 1.398 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

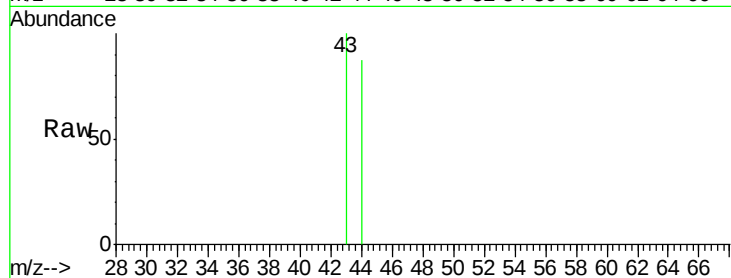
TR-05-061720

Tgt Ion: 43 Resp: 851

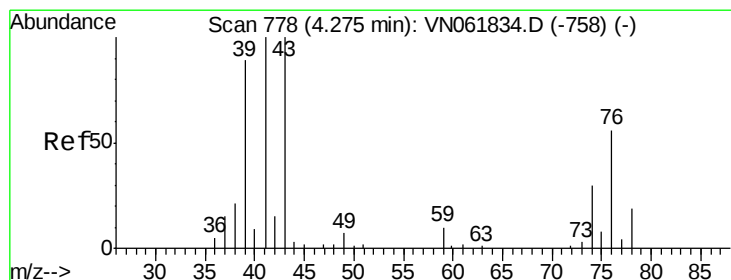
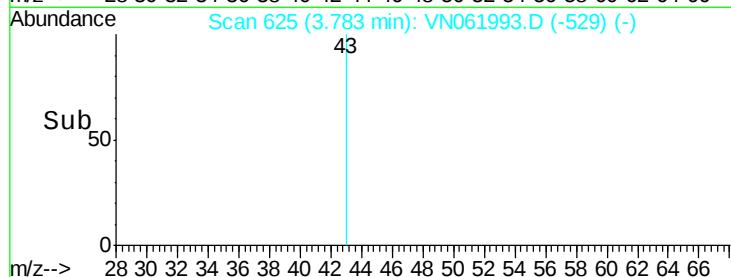
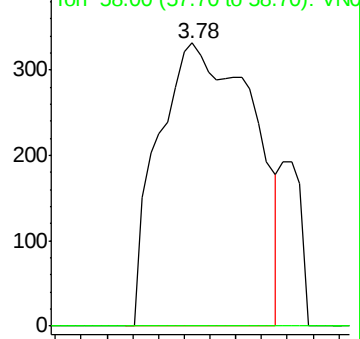
Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)



#18

Methyl Acetate

Concen: 2.162 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061993.D

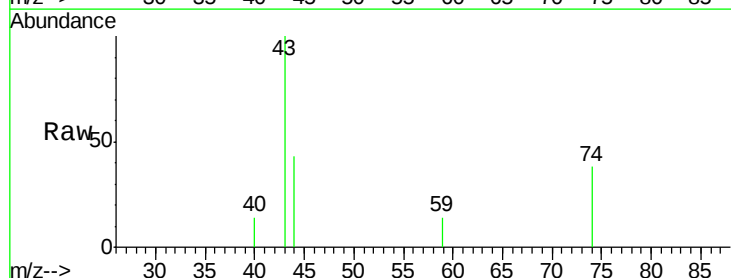
Acq: 22 Jun 2020 12:36

Tgt Ion: 43 Resp: 3791

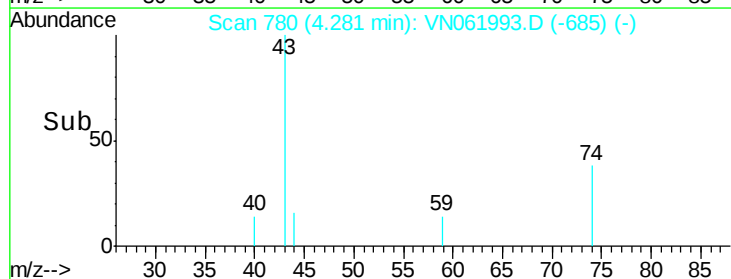
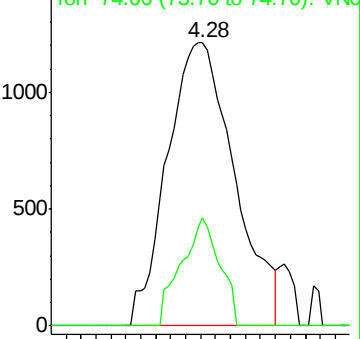
Ion Ratio Lower Upper

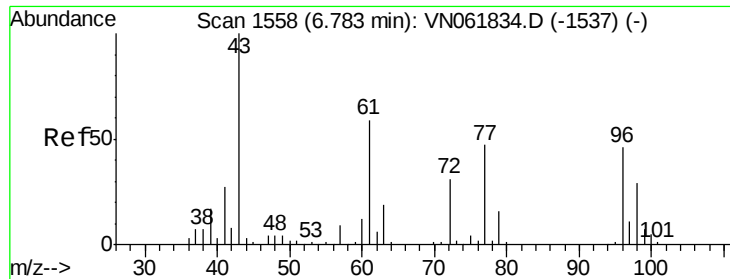
43 100

74 21.8 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)





#25

2-Butanone

Concen: 0.571 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

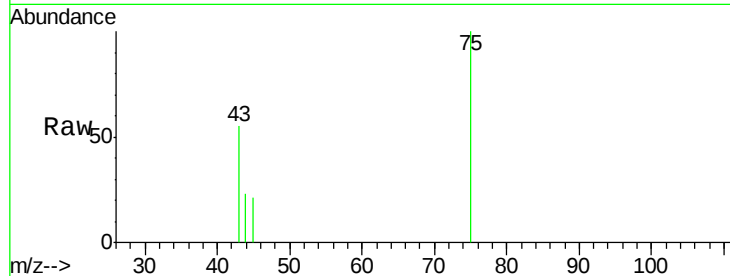
TR-05-061720

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

72 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

500

400

300

200

100

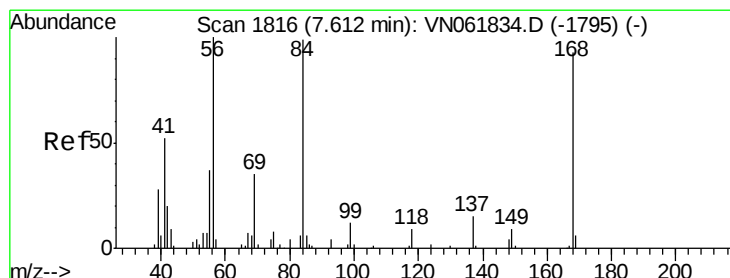
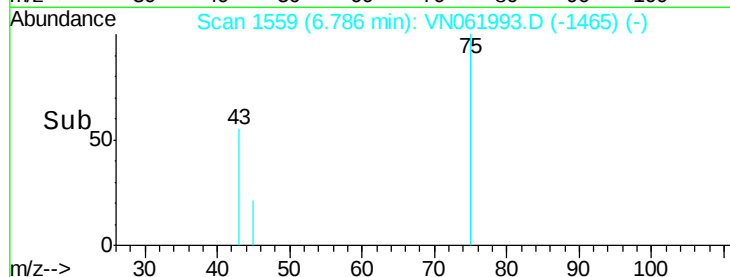
0

6.76

6.78

6.80

Time-->



#31

Cyclohexane

Concen: 0.647 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

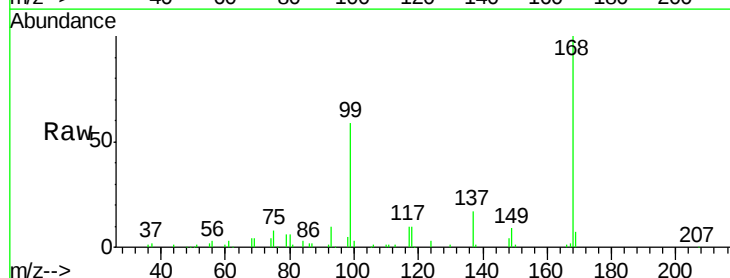
Tgt Ion: 56 Resp: 1759

Ion Ratio Lower Upper

56 100

69 140.6 27.7 41.5#

84 133.7 79.1 118.7#



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

3000

2000

1000

0

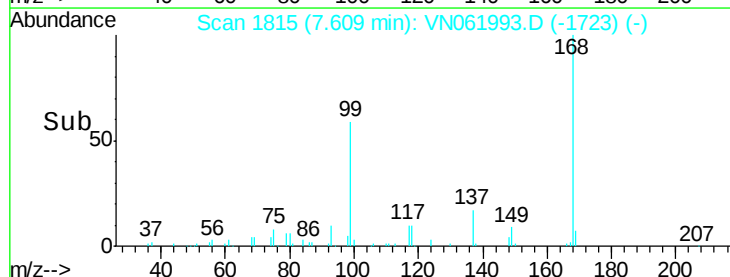
7.56

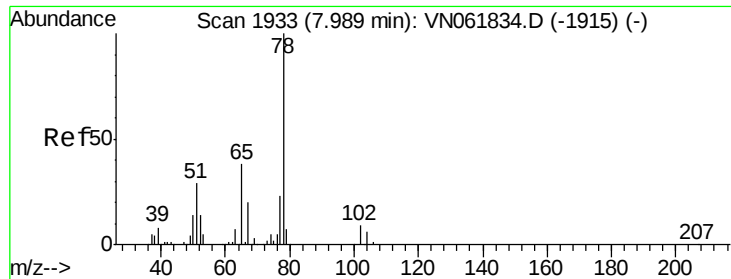
7.58

7.60

7.62

Time-->

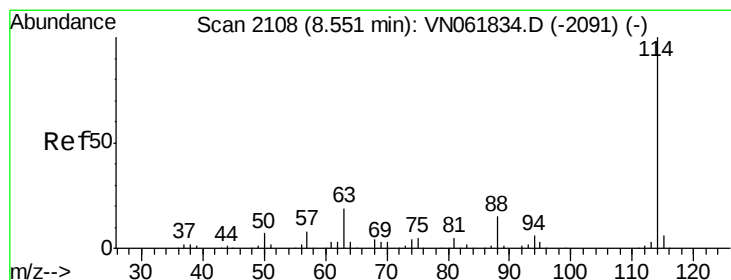
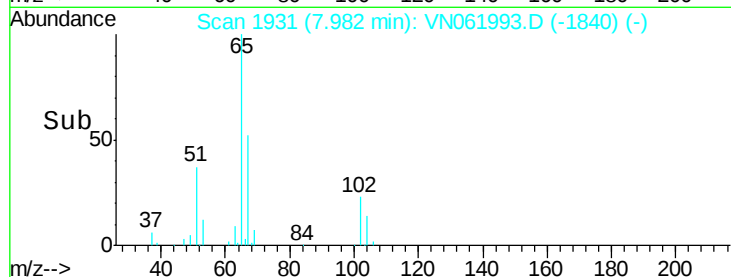
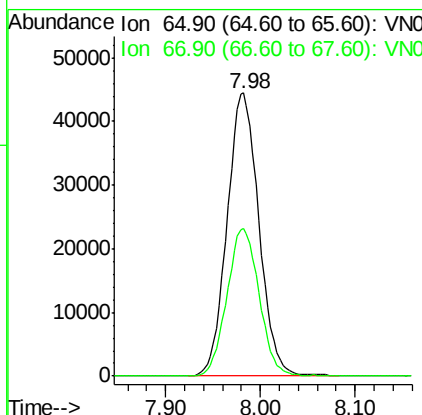
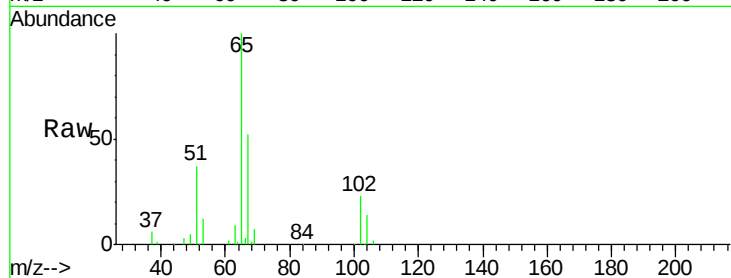




#33
 1,2-Dichloroethane-d4
 Concen: 50.419 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061993.D
 Acq: 22 Jun 2020 12:36

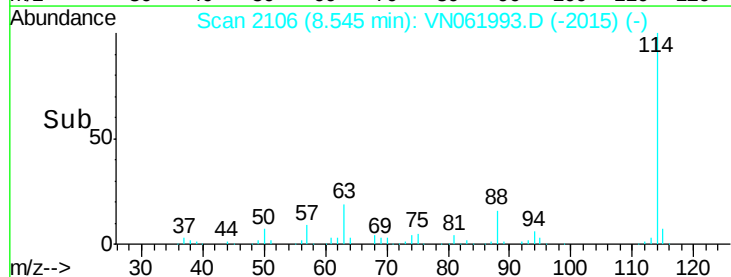
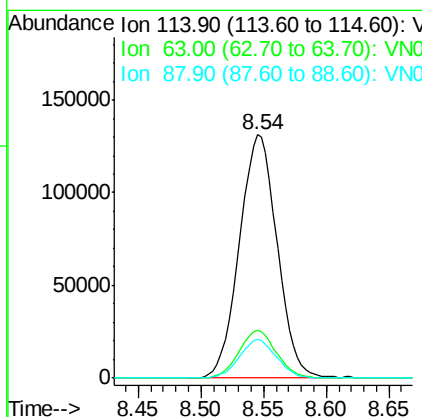
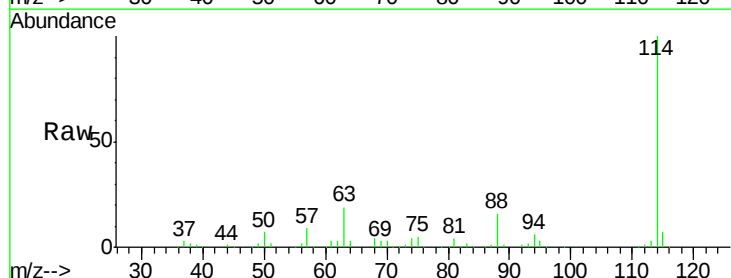
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-061720

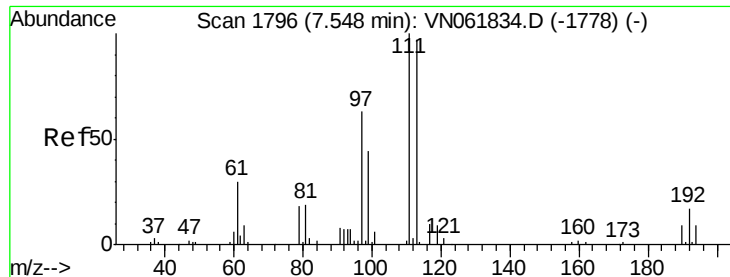
Tgt Ion: 65 Resp: 103937
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061993.D
 Acq: 22 Jun 2020 12:36

Tgt Ion: 114 Resp: 275141
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.6
 88 15.9 0.0 31.0

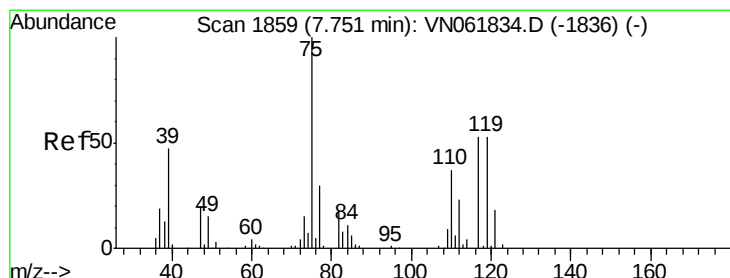
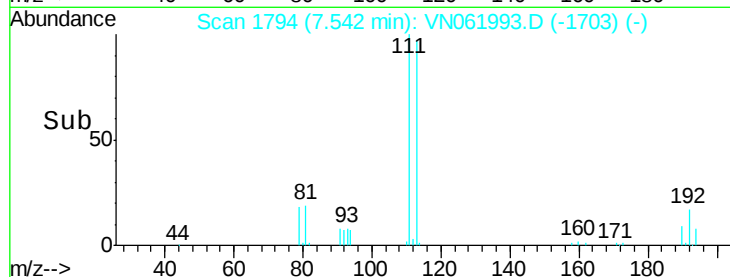
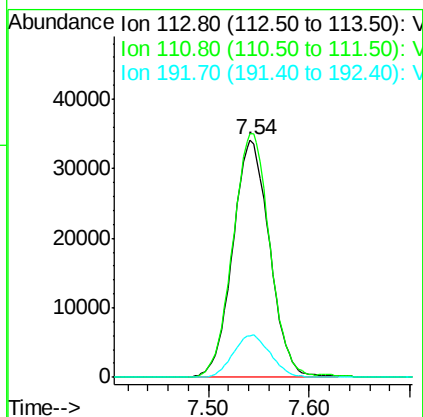
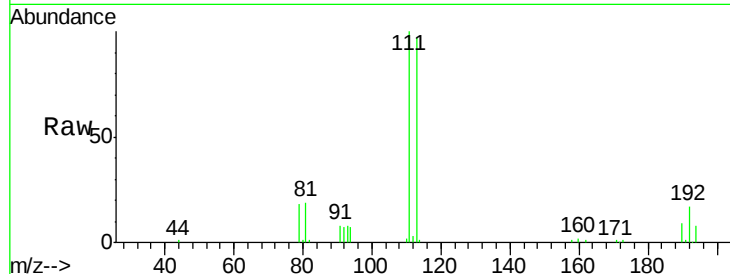




#35
 Dibromofluoromethane
 Concen: 49.144 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN061993.D
 Acq: 22 Jun 2020 12:36

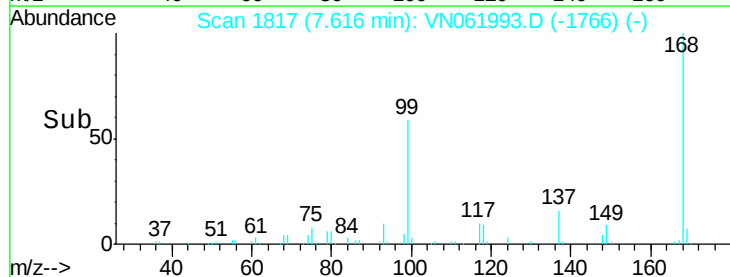
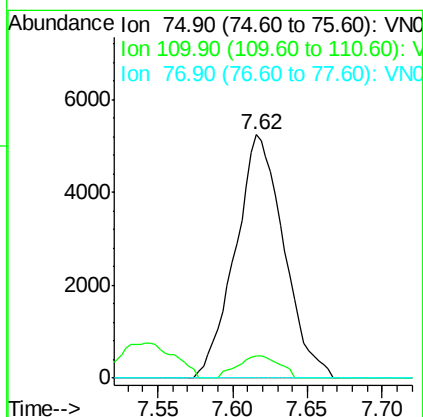
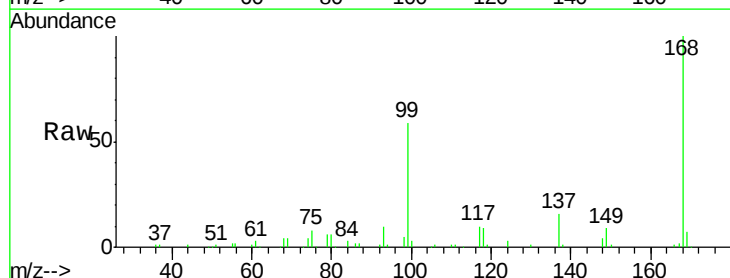
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 MSVOA_N
 ClientSampleId :
 TR-05-061720

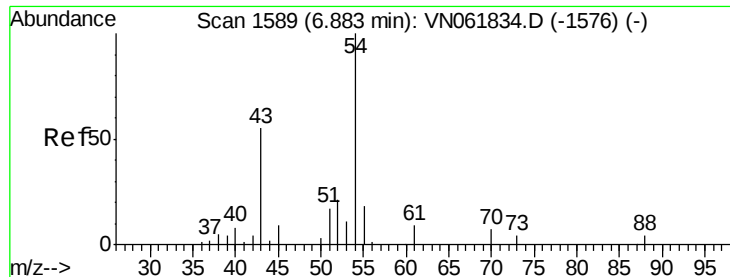
Tgt Ion:113 Resp: 86503
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.7 125.5
 192 17.9 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 7.62 min Scan# 1817
 Delta R.T. -0.14 min
 Lab File: VN061993.D
 Acq: 22 Jun 2020 12:36

Tgt Ion: 75 Resp: 11809
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.2 54.6#
 77 0.0 24.2 36.4#

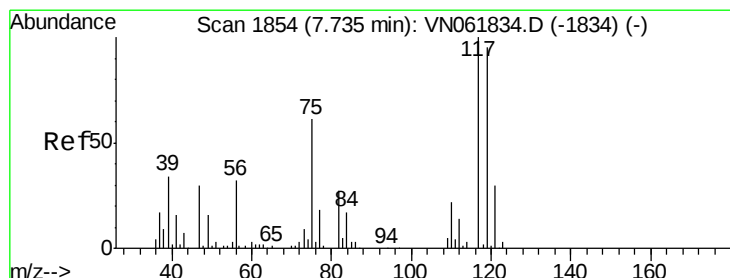
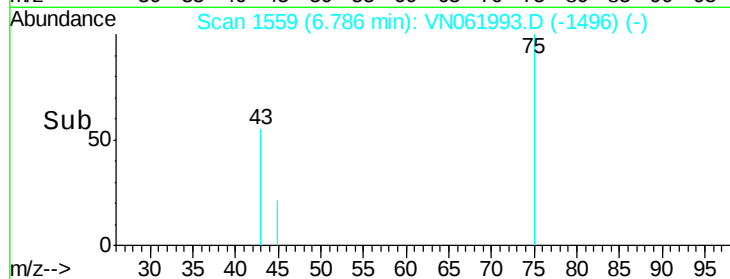
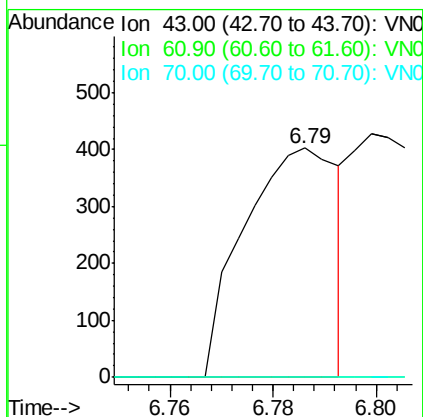
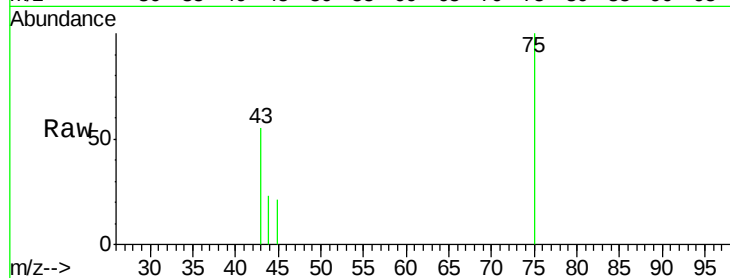




#37
Ethyl Acetate
 Concen: 0.259 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.10 min
 Lab File: VN061993.D
 Acq: 22 Jun 2020 12:36

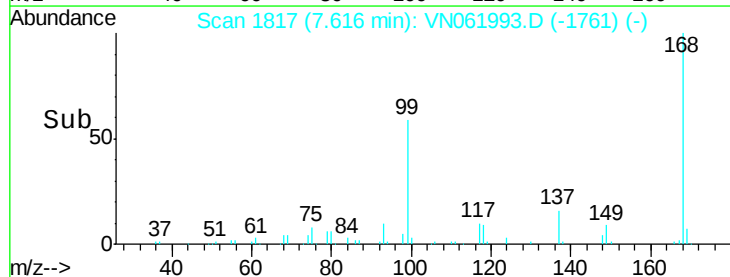
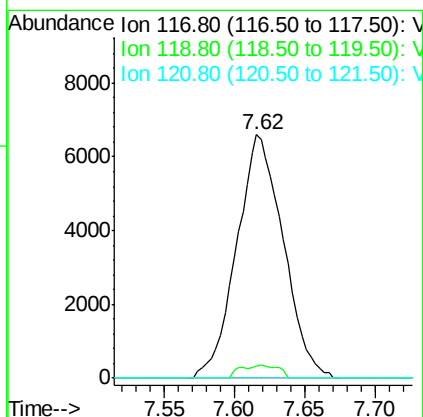
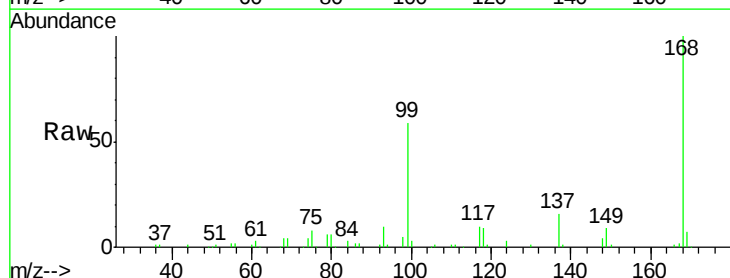
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 ClientSampled :
 TR-05-061720

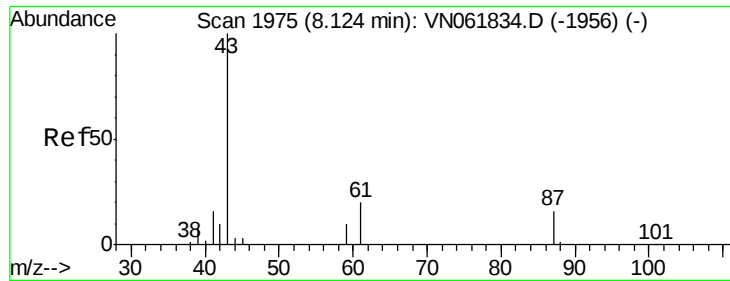
Tgt Ion: 43 Resp: 507
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
 Concen: 6.117 ug/l
 RT: 7.62 min Scan# 1817
 Delta R.T. -0.12 min
 Lab File: VN061993.D
 Acq: 22 Jun 2020 12:36

Tgt Ion: 117 Resp: 15203
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.8 113.6#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 0.306 ug/l

RT: 8.19 min Scan# 1997

Delta R.T. 0.07 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

TR-05-061720

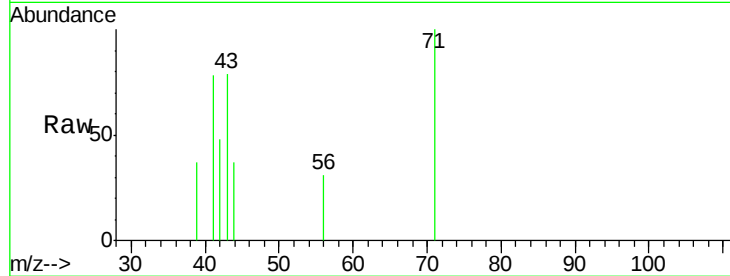
Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

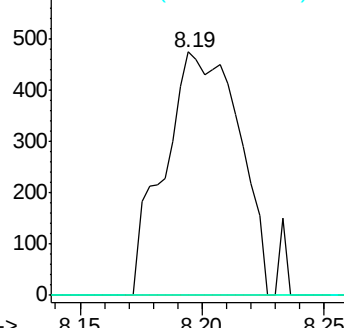
43 100

61 0.0 24.0 36.0#

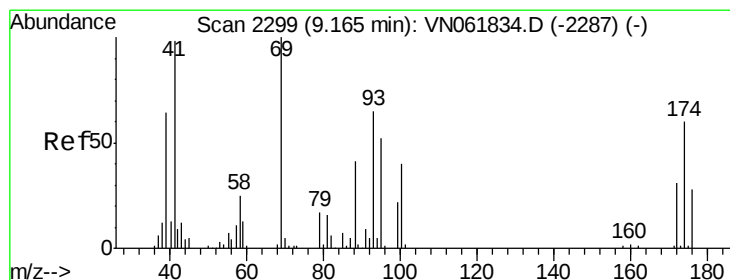
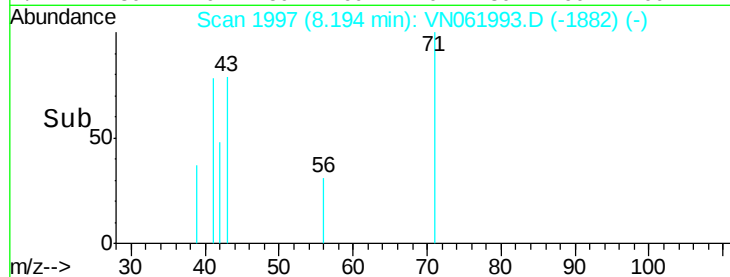
87 0.0 12.5 18.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



Time-->



#48

Methyl methacrylate

Concen: 0.481 ug/l

RT: 9.44 min Scan# 2383

Delta R.T. 0.27 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

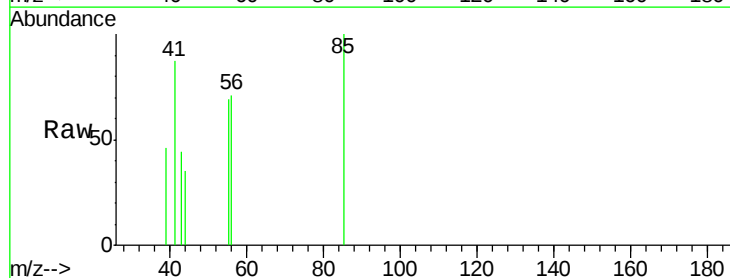
Tgt Ion: 41 Resp: 722

Ion Ratio Lower Upper

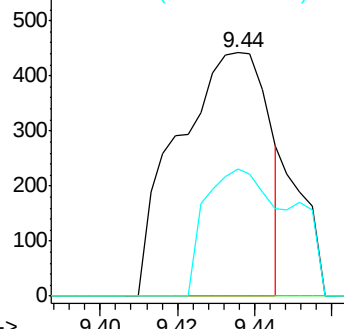
41 100

69 0.0 83.0 124.4#

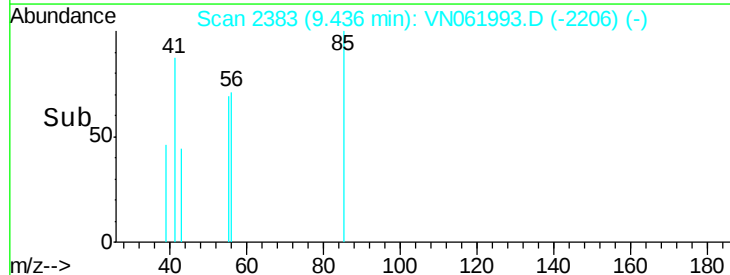
39 37.0 55.1 82.7#

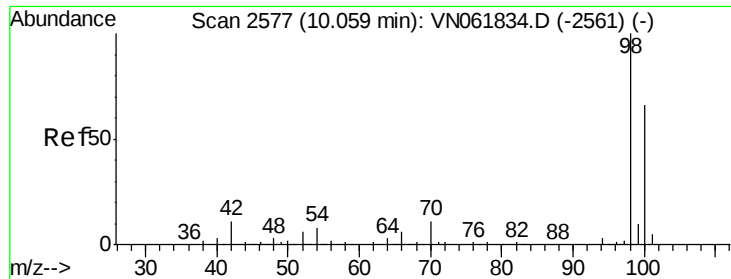


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



Time-->





#50

Toluene-d8

Concen: 50.640 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

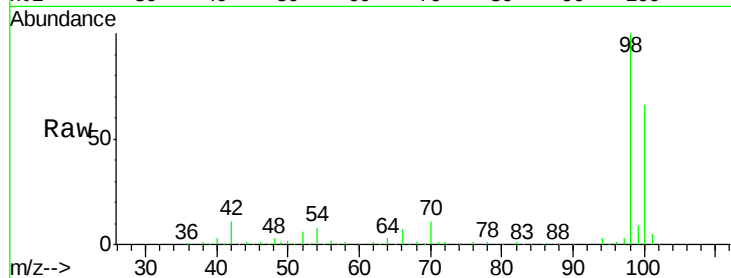
TR-05-061720

Tgt Ion: 98 Resp: 350437

Ion Ratio Lower Upper

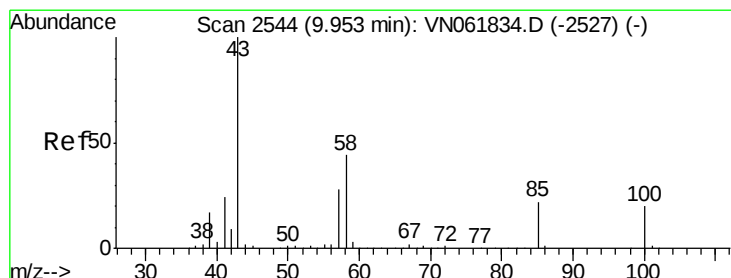
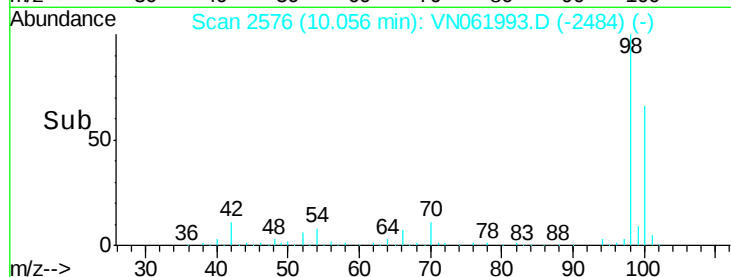
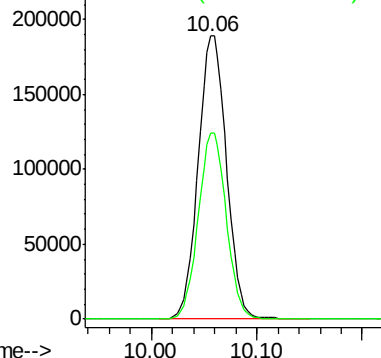
98 100

100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.756 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061993.D

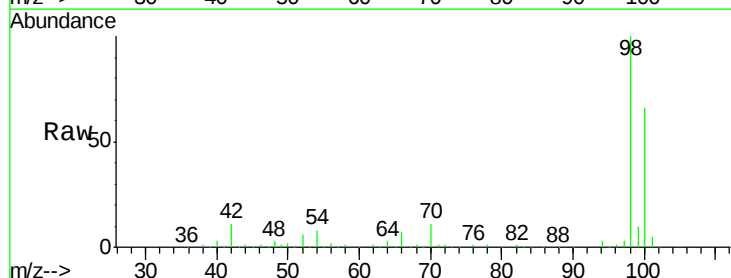
Acq: 22 Jun 2020 12:36

Tgt Ion: 43 Resp: 1476

Ion Ratio Lower Upper

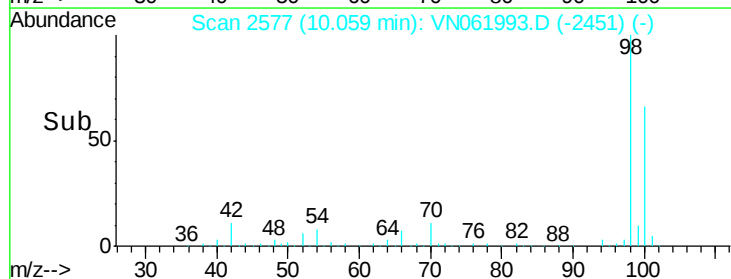
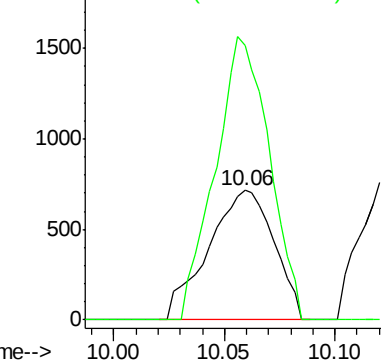
43 100

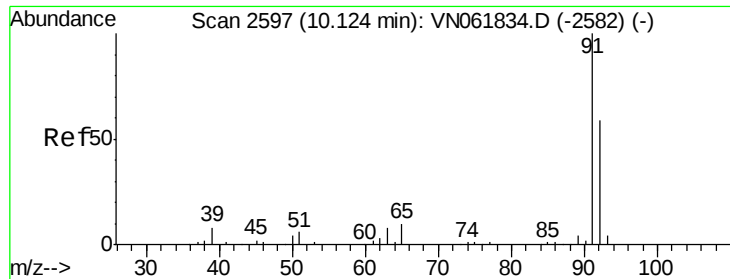
58 179.6 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.345 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

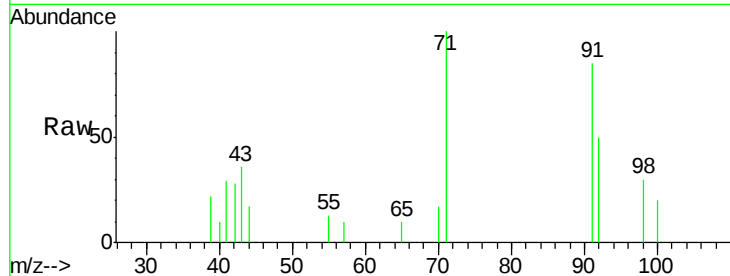
TR-05-061720

Tgt Ion: 92 Resp: 1648

Ion Ratio Lower Upper

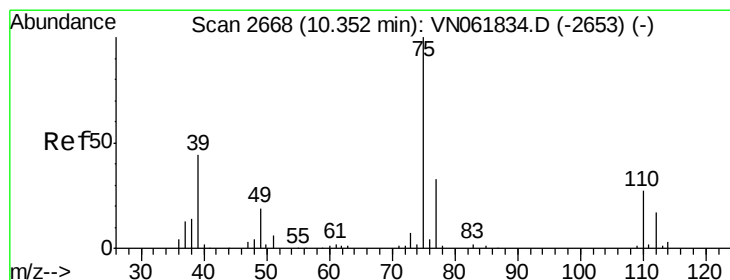
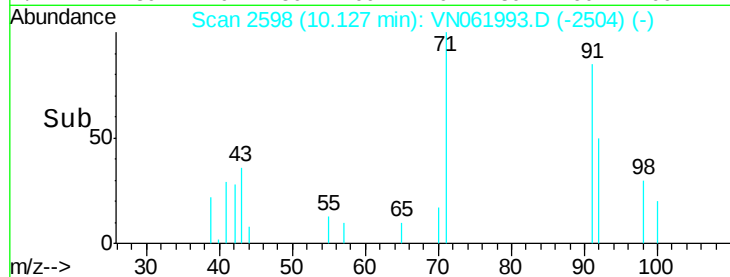
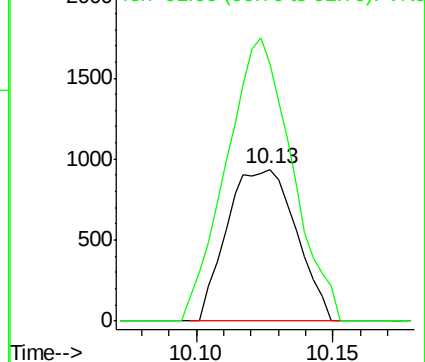
92 100

91 176.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061993.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VN061993.D (-2504) (-)



#53

t-1,3-Dichloropropene

Concen: 0.332 ug/l

RT: 10.21 min Scan# 2625

Delta R.T. -0.14 min

Lab File: VN061993.D

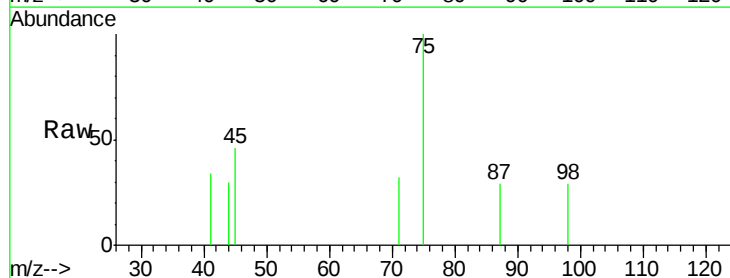
Acq: 22 Jun 2020 12:36

Tgt Ion: 75 Resp: 949

Ion Ratio Lower Upper

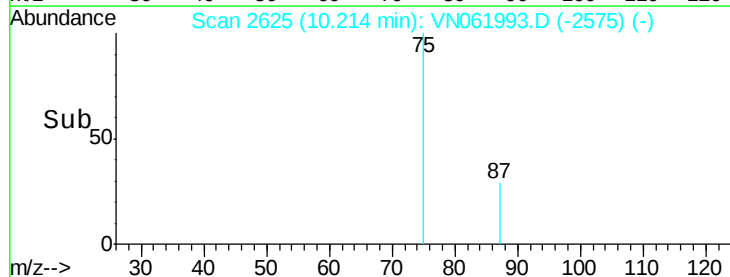
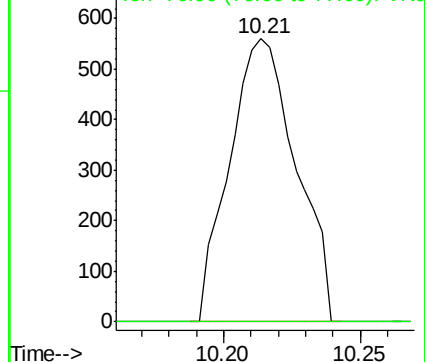
75 100

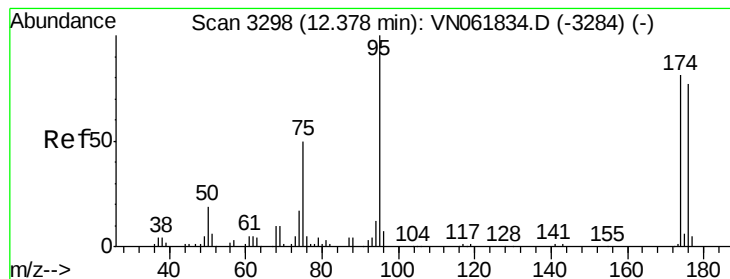
77 0.0 26.3 39.5#



Abundance Ion 74.90 (74.60 to 75.60): VN061993.D (-2575) (-)

Ion 76.90 (76.60 to 77.60): VN061993.D (-2575) (-)





#62

4-Bromofluorobenzene

Concen: 48.150 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

TR-05-061720

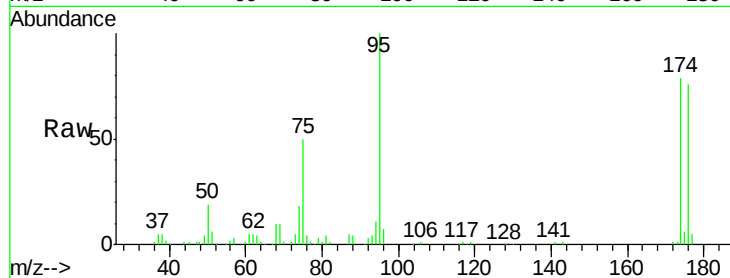
Tgt Ion: 95 Resp: 114294

Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.6

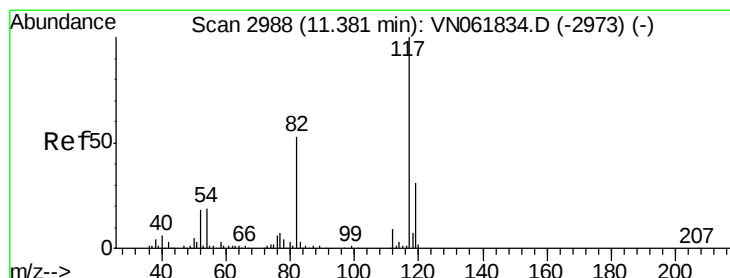
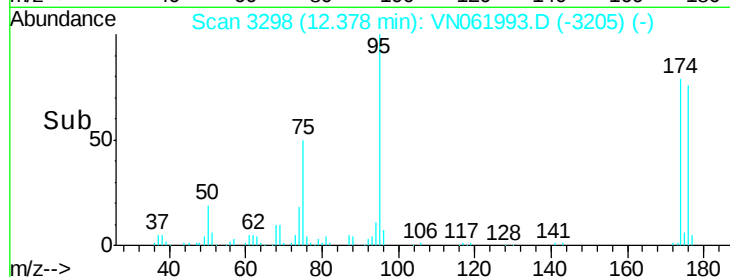
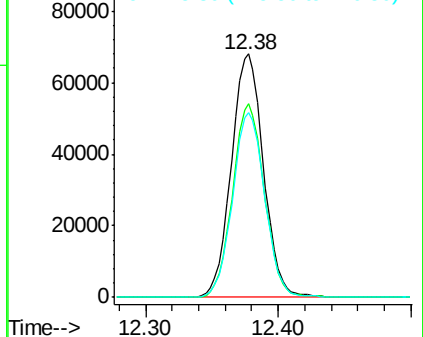
176 76.2 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061993.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061993.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061993.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

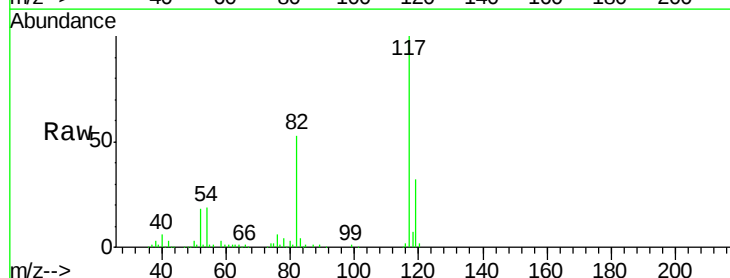
Tgt Ion: 117 Resp: 269834

Ion Ratio Lower Upper

117 100

82 53.1 42.6 64.0

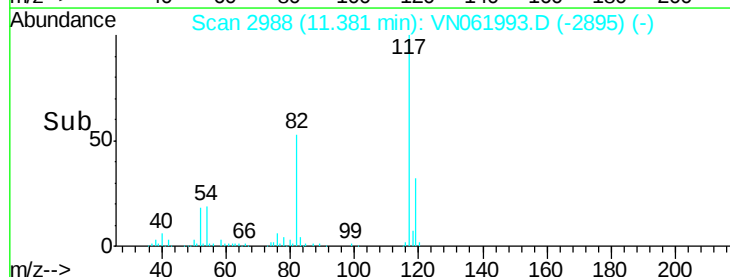
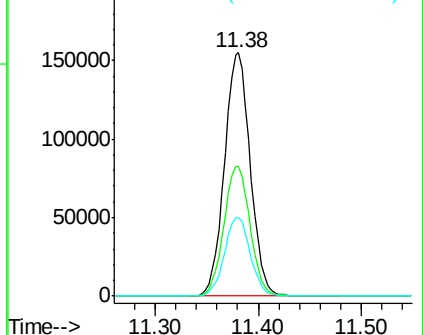
119 32.5 24.7 37.1

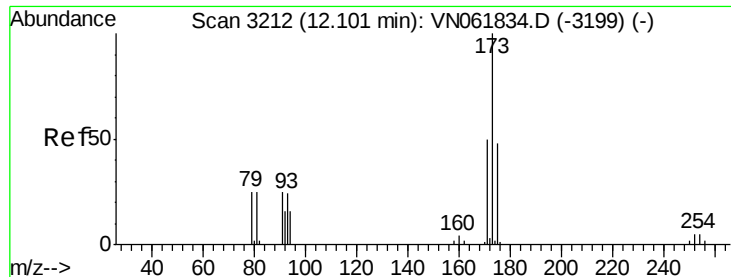


Abundance Ion 116.90 (116.60 to 117.60): VN061993.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061993.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061993.D (-2895) (-)





#71

Bromoform

Concen: 0.655 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

TR-05-061720

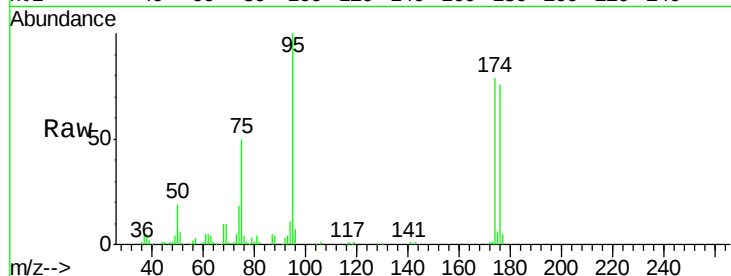
Tgt Ion:173 Resp: 949

Ion Ratio Lower Upper

173 100

175 582.6 23.9 71.7#

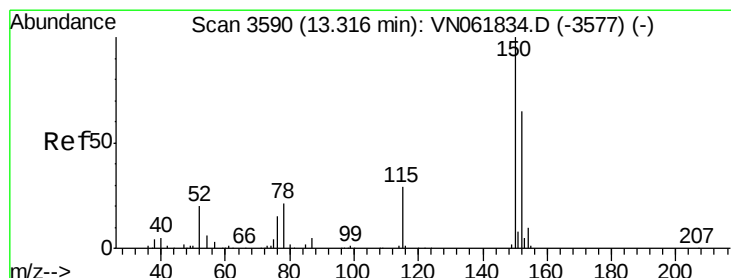
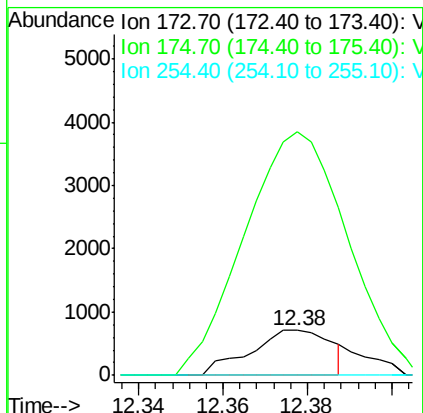
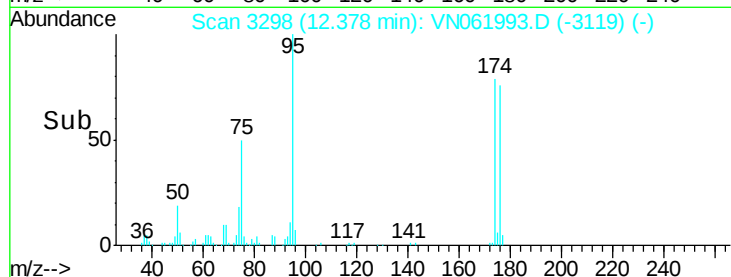
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

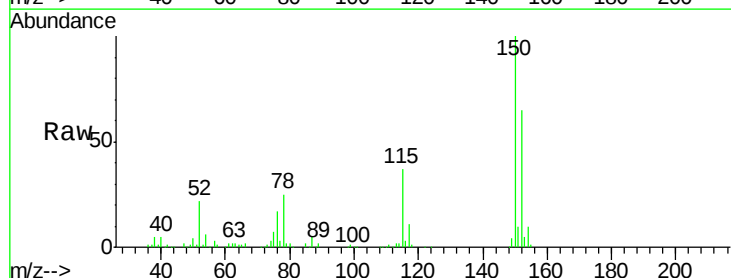
Tgt Ion:152 Resp: 108897

Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.3

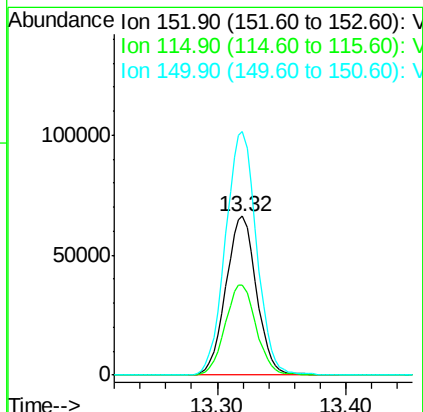
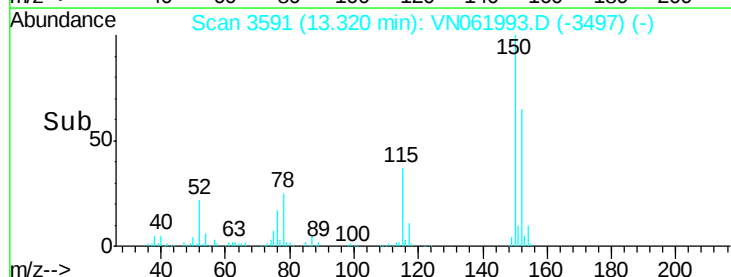
150 155.9 0.0 347.6

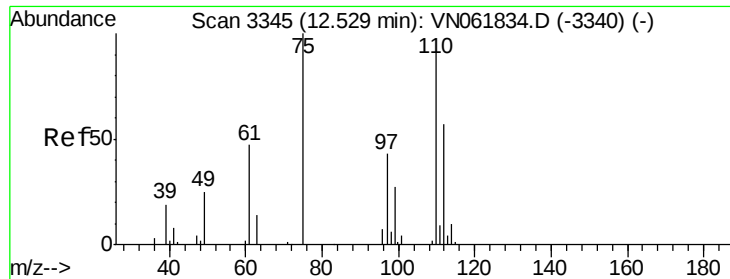


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.702 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

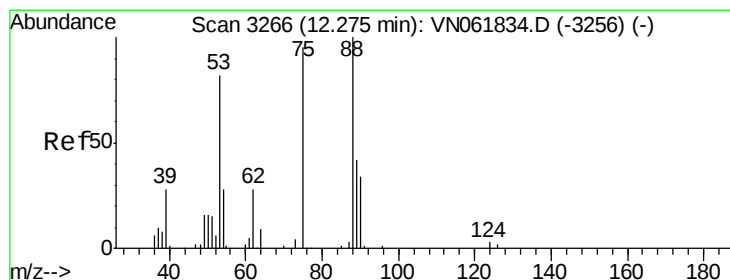
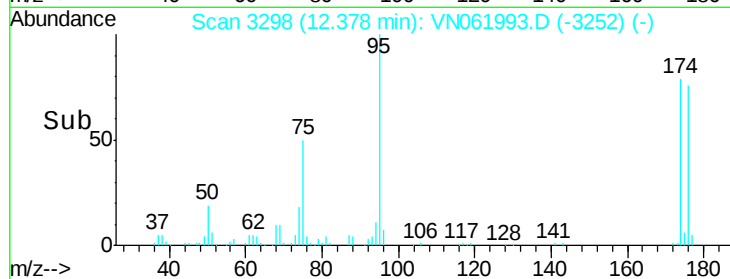
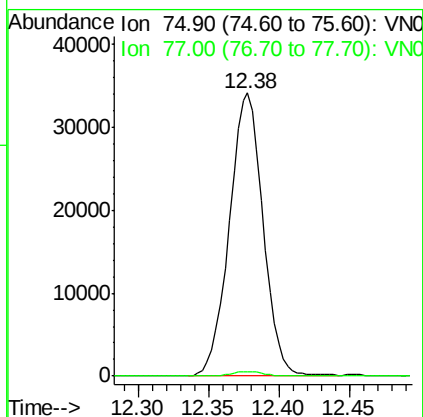
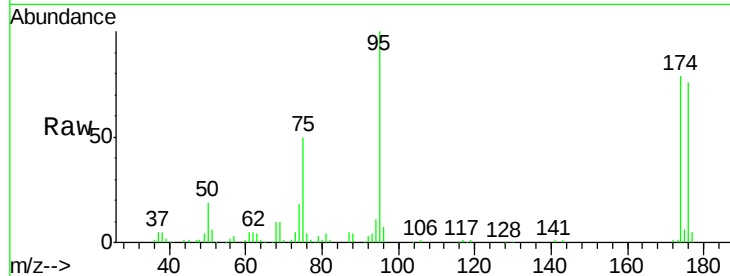
TR-05-061720

Tgt Ion: 75 Resp: 57086

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.827 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061993.D

Acq: 22 Jun 2020 12:36

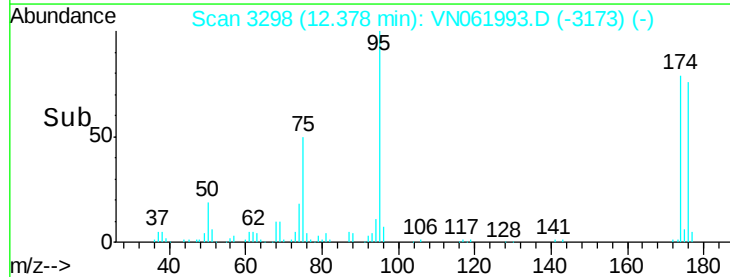
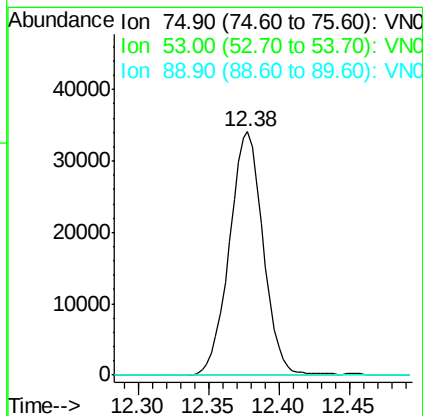
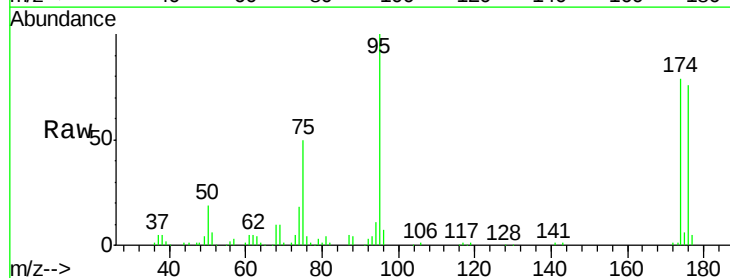
Tgt Ion: 75 Resp: 57086

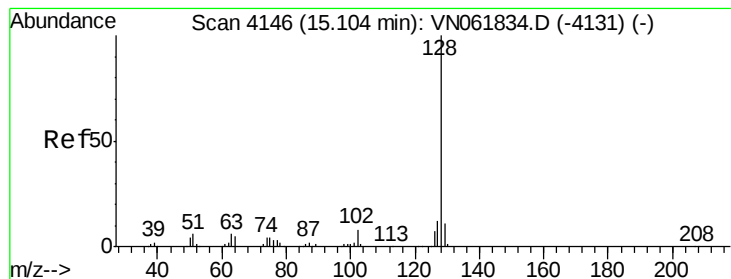
Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.586 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061993.D

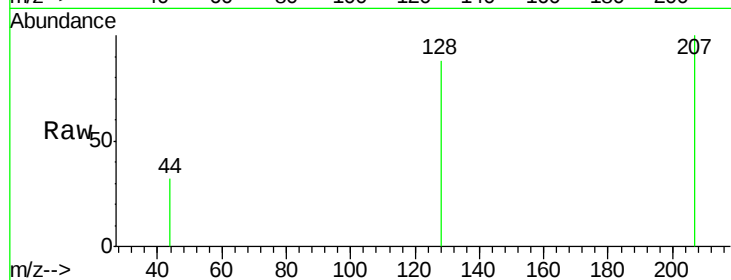
Acq: 22 Jun 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

TR-05-061720



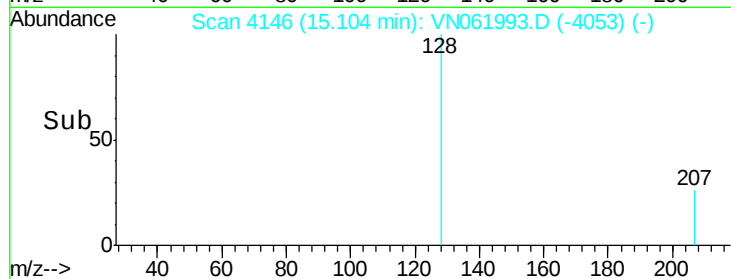
Tgt Ion:128 Resp: 598

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

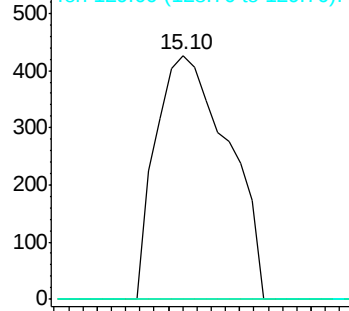
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->