

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061882.D
 Acq On : 18 Jun 2020 5:29
 Operator : JC/MD
 Sample : PB129582ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582ZHE#01

Quant Time: Jun 18 07:10:25 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	7.63	168	133815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94319	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	90055	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
35) Dibromofluoromethane	7.55	113	79235	49.55	ug/l	0.00
Spiked Amount						
			Recovery	=	99.10%	
50) Toluene-d8	10.06	98	318925	50.73	ug/l	0.00
Spiked Amount						
			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.38	95	106854	49.55	ug/l	0.00
Spiked Amount						
			Recovery	=	99.10%	

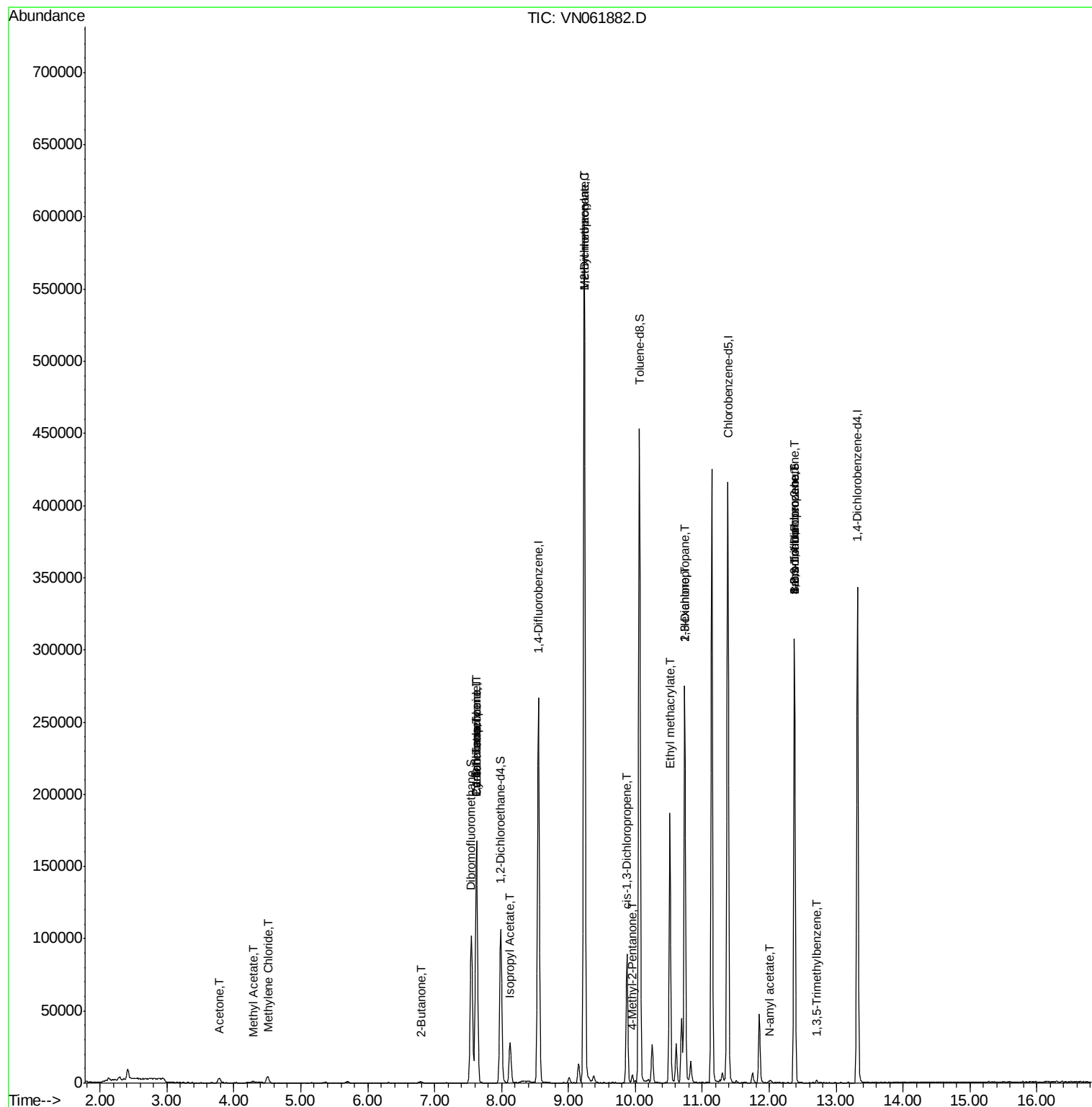
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6412	12.096	ug/l	94
18) Methyl Acetate	4.29	43	1812	1.187	ug/l #	69
20) Methylene Chloride	4.50	84	3643	2.109	ug/l #	95
25) 2-Butanone	6.80	43	1291	1.669	ug/l	91
31) Cyclohexane	7.62	56	2786	1.178	ug/l #	12
36) 1,1-Dichloropropene	7.63	75	10370	4.548	ug/l #	47
38) Carbon Tetrachloride	7.63	117	13381	5.927	ug/l #	17
43) Isopropyl Acetate	8.13	43	31169	10.388	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	713	0.420	ug/l #	43
48) Methyl methacrylate	9.24	41	56732	41.578	ug/l #	33
51) 4-Methyl-2-Pentanone	9.96	43	3598	2.029	ug/l	90
54) cis-1,3-Dichloropropene	9.87	75	16450	5.829	ug/l #	69
56) Ethyl methacrylate	10.51	69	690	3.152	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3195	1.105	ug/l #	42
59) 2-Hexanone	10.74	43	34475	36.440	ug/l #	50
71) Bromoform	12.37	173	284	0.209	ug/l #	29
74) N-amyl acetate	12.00	43	1835	3.774	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	51536	27.831	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1429	0.258	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	51536	75.908	ug/l #	14

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061882.D

Acq: 18 Jun 2020 5:29

Instrument :

MSVOA_N

ClientSampleId :

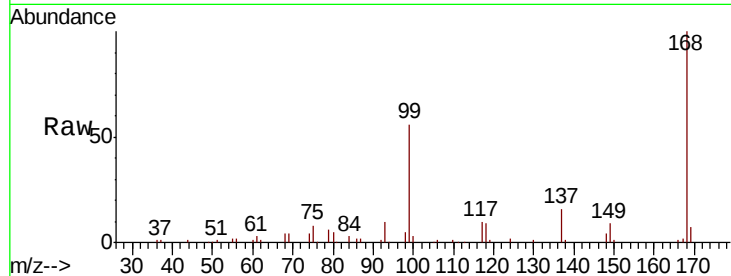
PB129582ZHE#01

Tot Ion:168 Resp: 133815

Ion Ratio Lower Upper

168 100

99 55.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

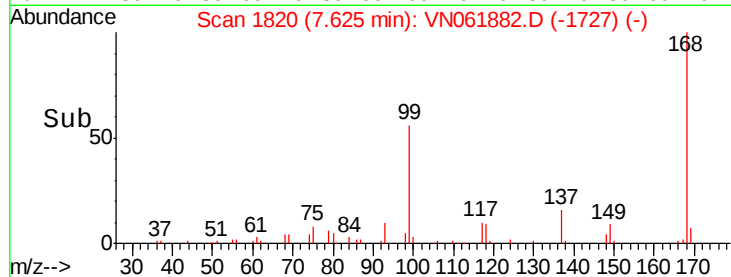
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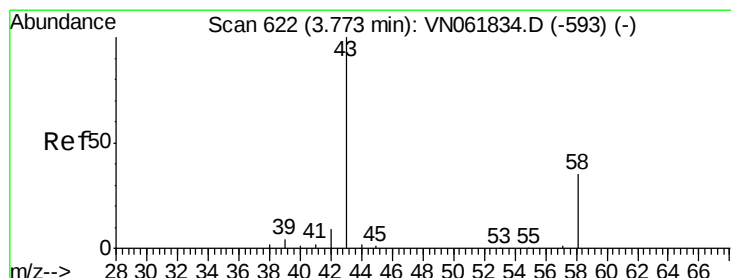
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7.50 7.60 7.70

7.63



Time-->



#16

Acetone

Concen: 12.096 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061882.D

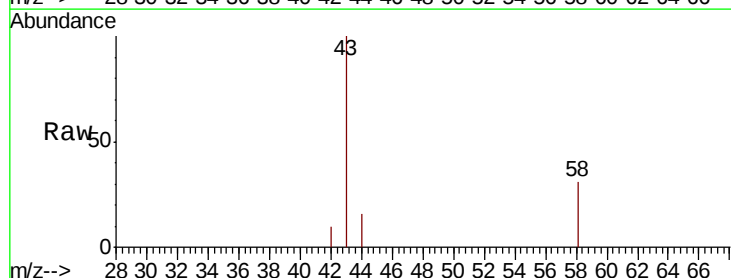
Acq: 18 Jun 2020 5:29

Tgt Ion: 43 Resp: 6412

Ion Ratio Lower Upper

43 100

58 31.4 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

2500

2000

1500

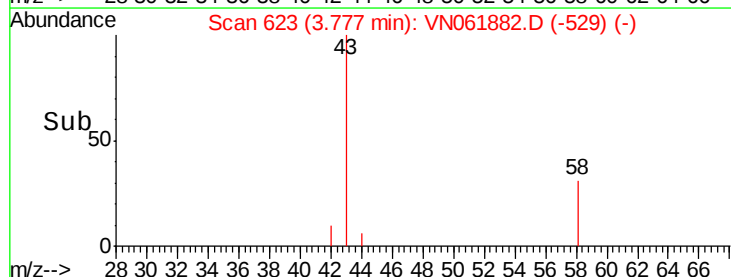
1000

500

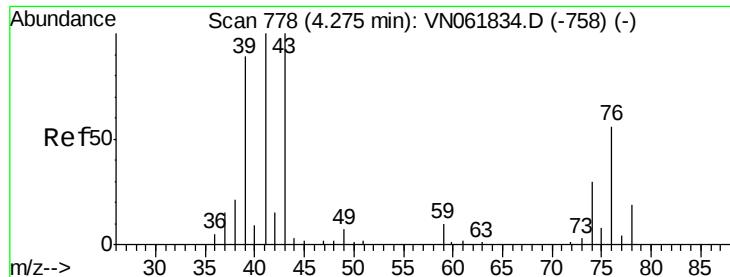
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3.70 3.75 3.80 3.85

3.78



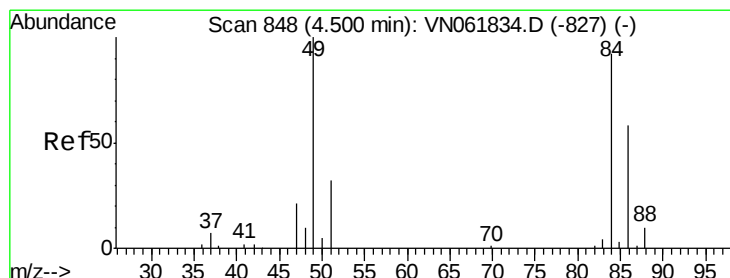
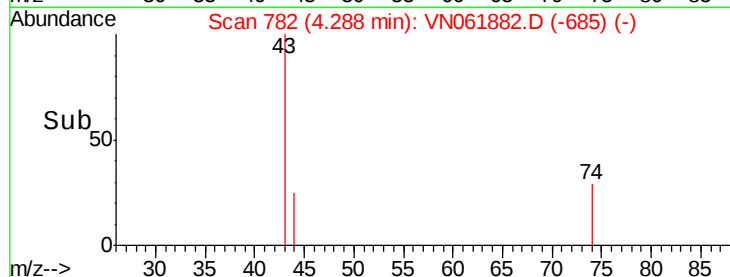
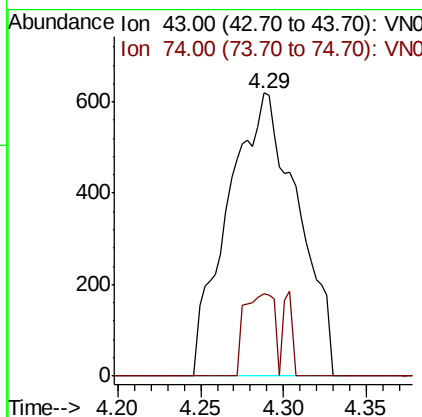
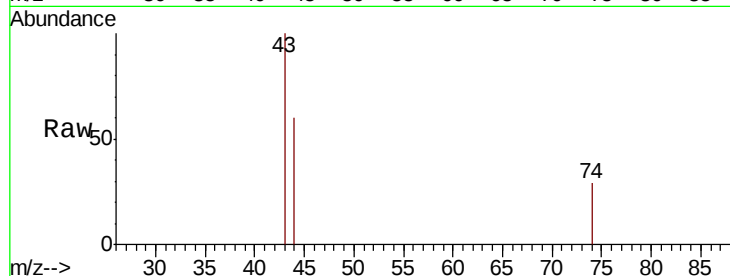
Time-->



#18
Methyl Acetate
Concen: 1.187 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061882.D
Acq: 18 Jun 2020 5:29

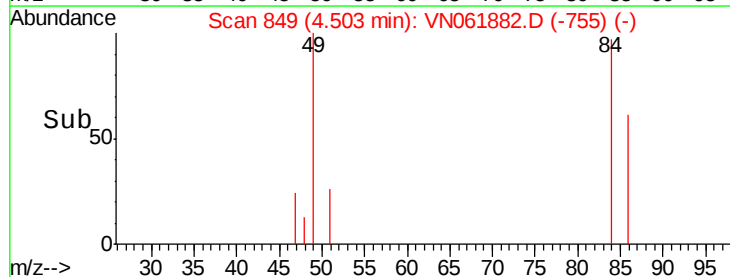
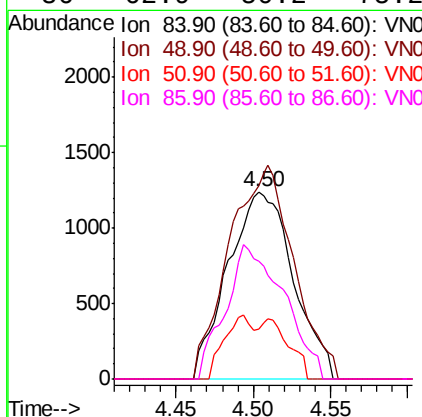
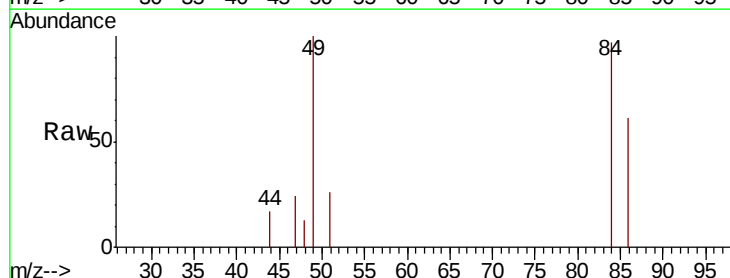
Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#01

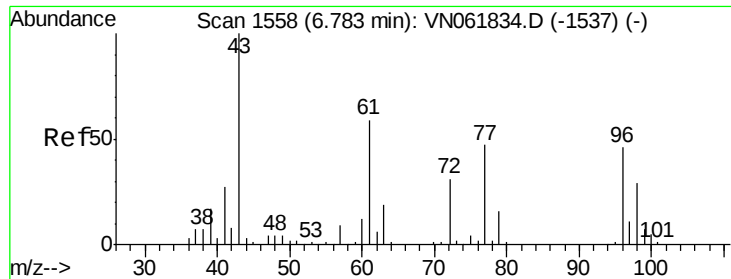
Tot Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
74 12.5 23.0 34.4#



#20
Methylene Chloride
Concen: 2.109 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061882.D
Acq: 18 Jun 2020 5:29

Tgt Ion: 84 Resp: 3643
Ion Ratio Lower Upper
84 100
49 103.5 87.0 130.4
51 27.0 27.8 41.6#
86 62.9 50.2 75.2

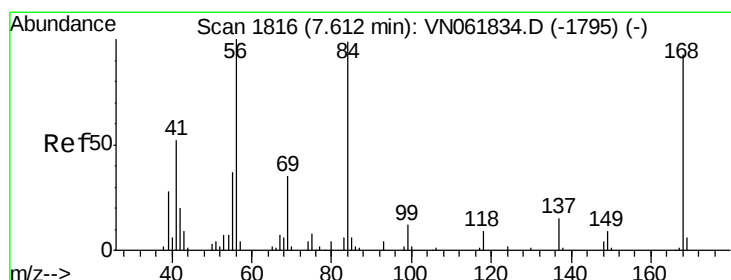
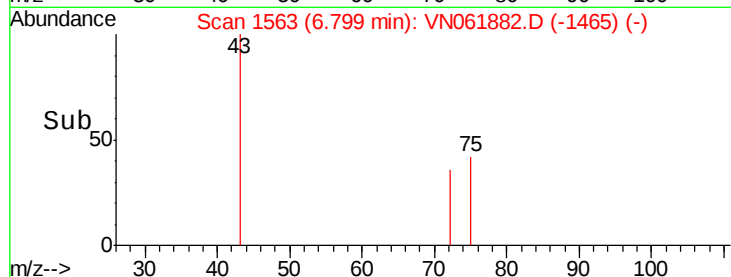
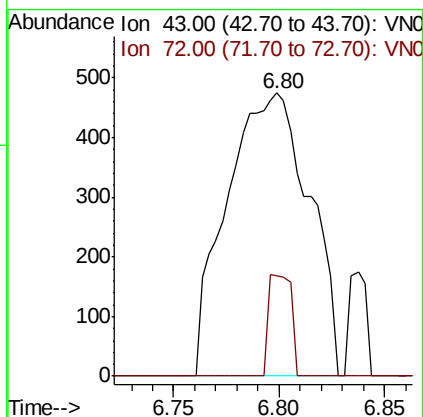
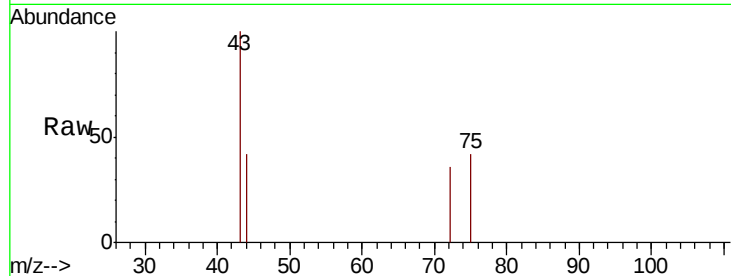




#25
2-Butanone
Concen: 1.669 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.02 min
Lab File: VN061882.D
Acq: 18 Jun 2020 5:29

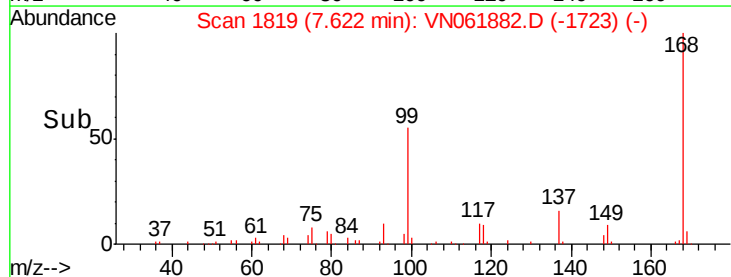
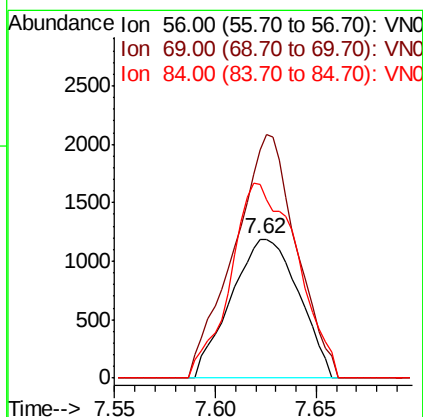
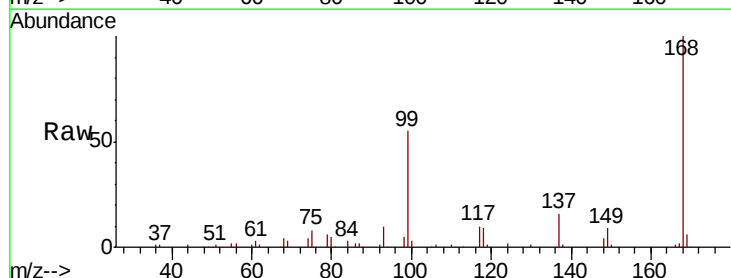
Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#01

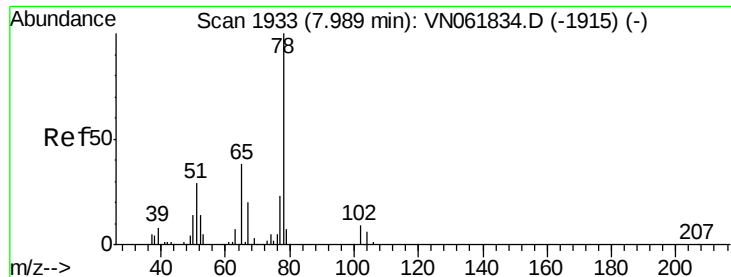
Tot Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
72 35.7 24.6 37.0



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061882.D
Acq: 18 Jun 2020 5:29

Tgt Ion: 56 Resp: 2786
Ion Ratio Lower Upper
56 100
69 164.6 27.7 41.5#
84 139.2 79.1 118.7#

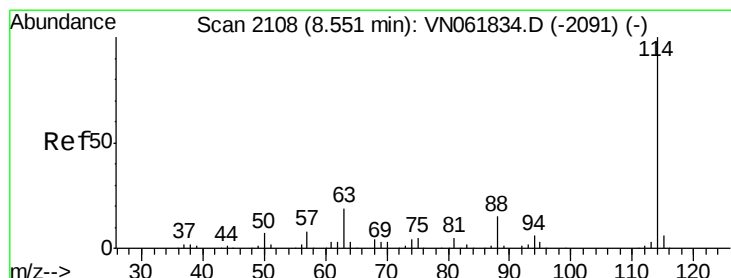
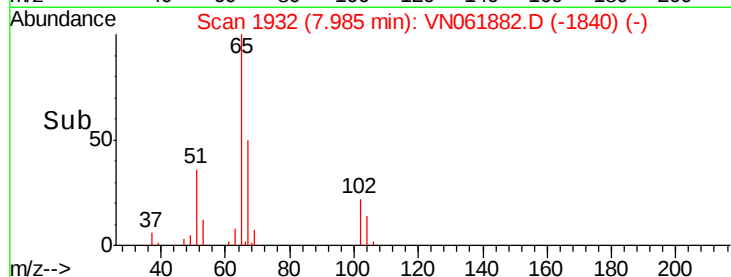
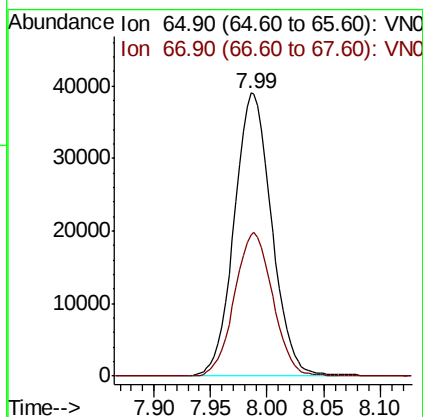
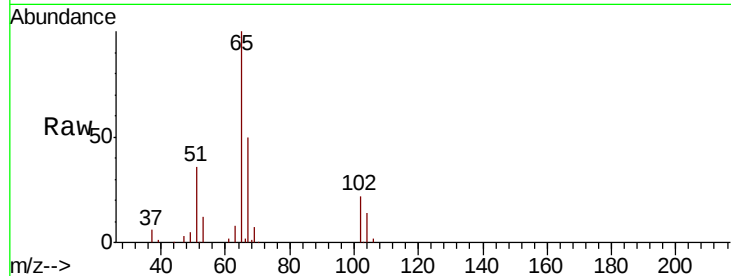




#33
 1,2-Dichloroethane-d4
 Concen: 50.180 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

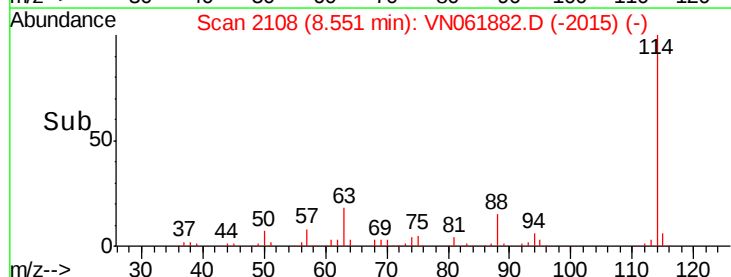
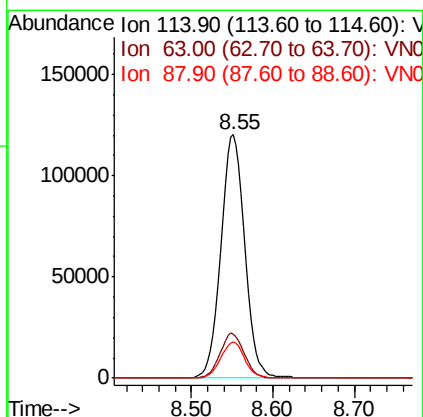
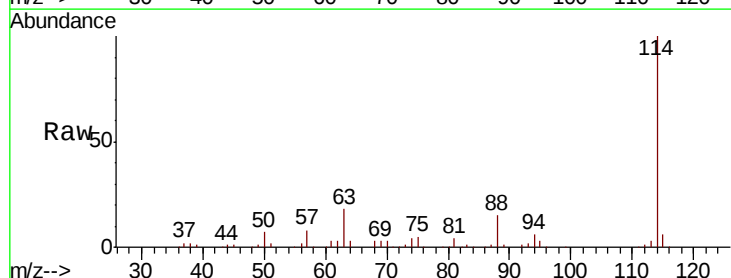
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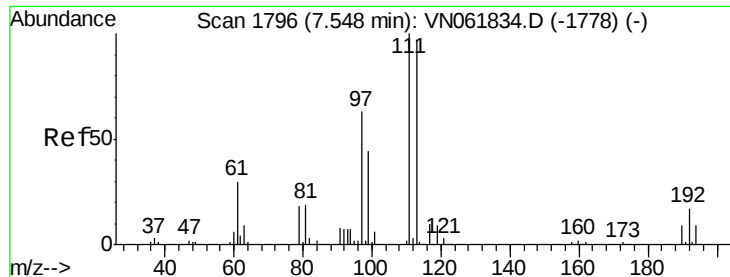
Tot Ion: 65 Resp: 90055
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Tgt Ion: 114 Resp: 249960
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.6
 88 14.7 0.0 31.0

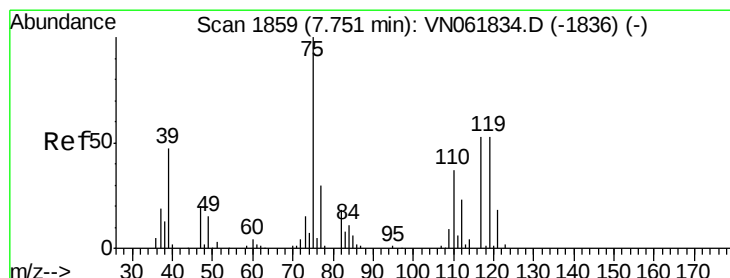
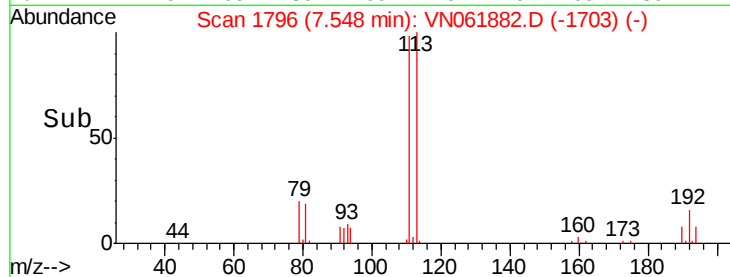
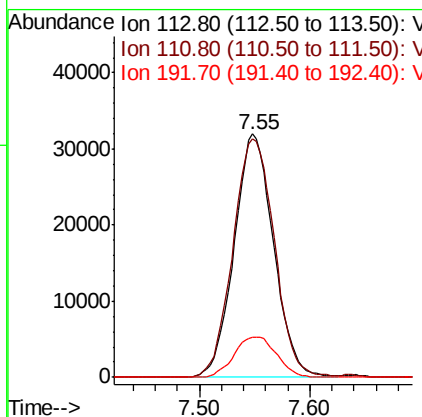
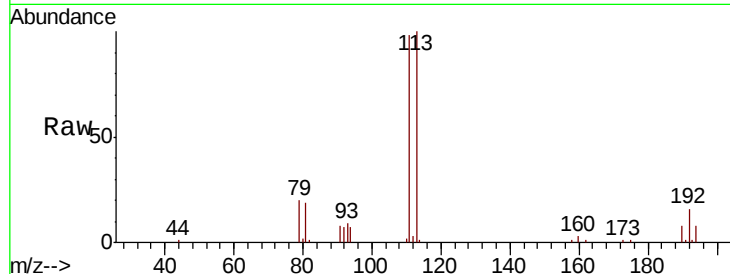




#35
 Dibromofluoromethane
 Concen: 49.549 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

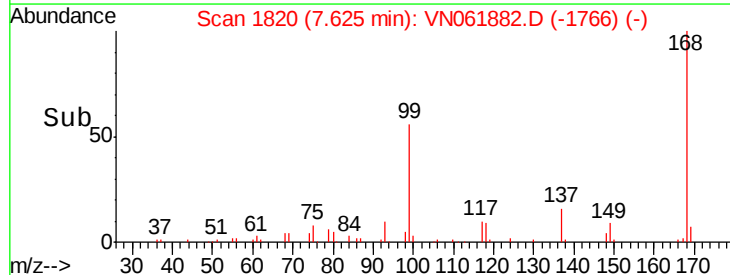
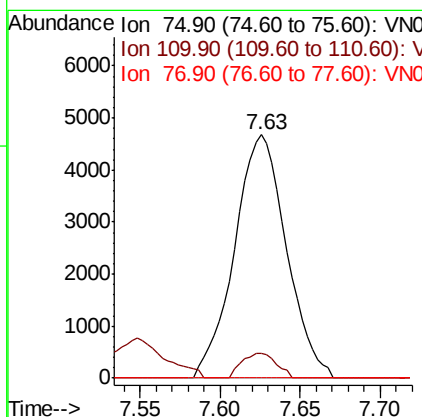
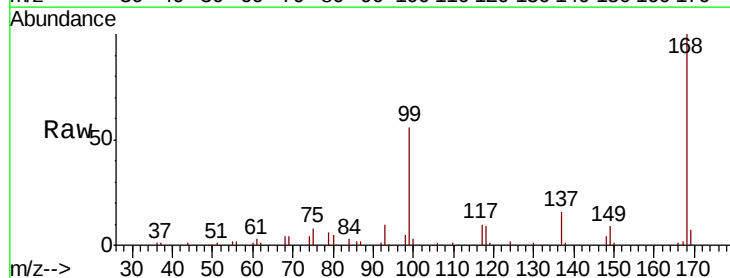
Instrument :
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 ClientSampleId :
 PB129582ZHE#01

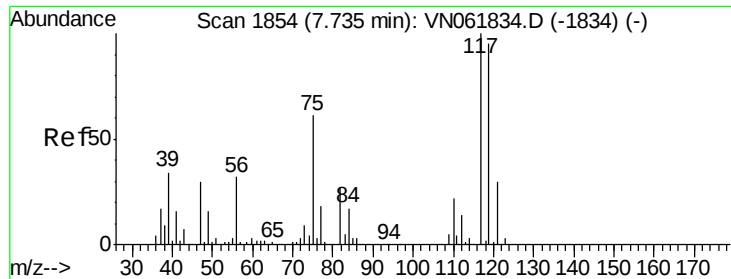
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.7	125.5
192	17.7	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.548 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	18.2	54.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.927 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061882.D

Acq: 18 Jun 2020 5:29

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#01

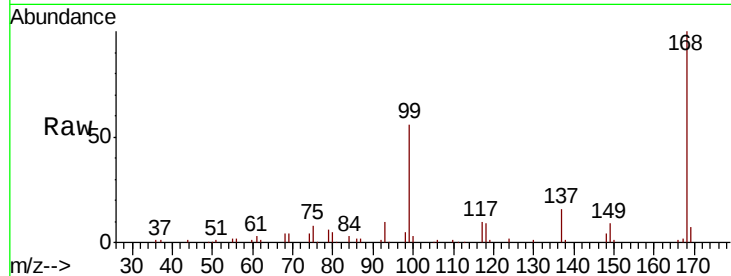
Tot Ion:117 Resp: 13381

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

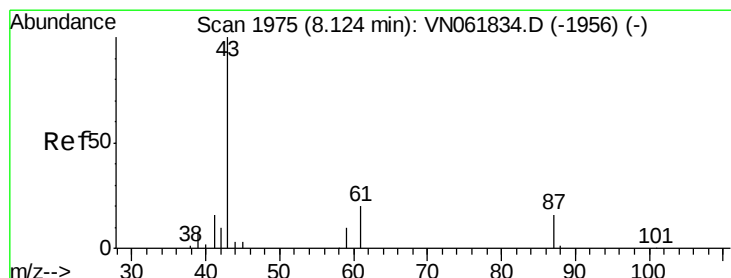
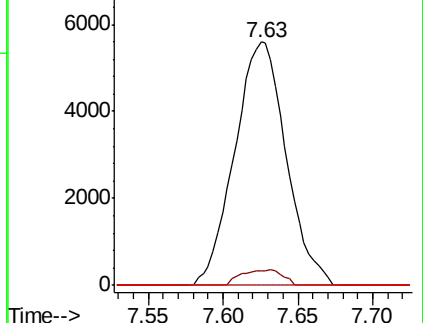
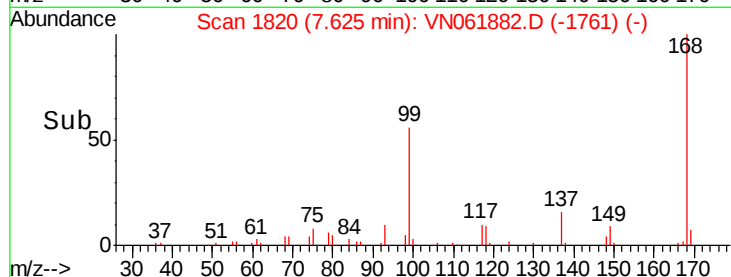
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 10.388 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061882.D

Acq: 18 Jun 2020 5:29

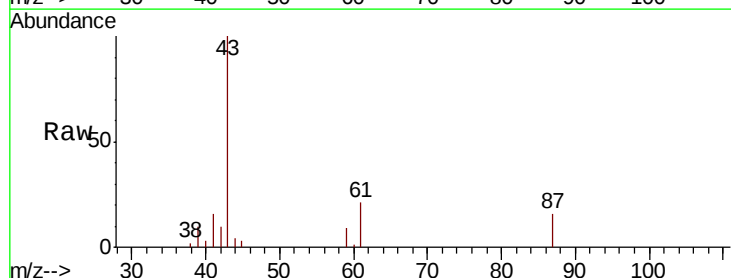
Tgt Ion: 43 Resp: 31169

Ion Ratio Lower Upper

43 100

61 21.0 24.0 36.0#

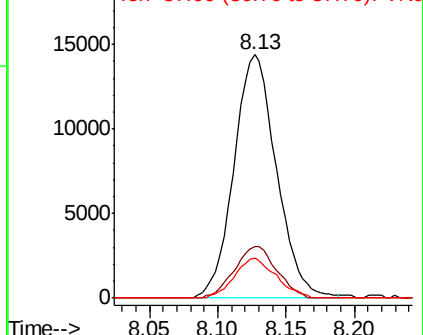
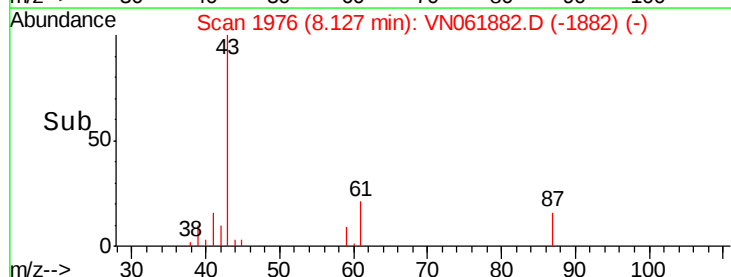
87 16.0 12.5 18.7

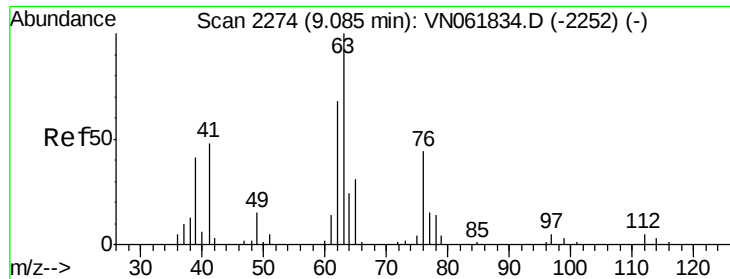


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

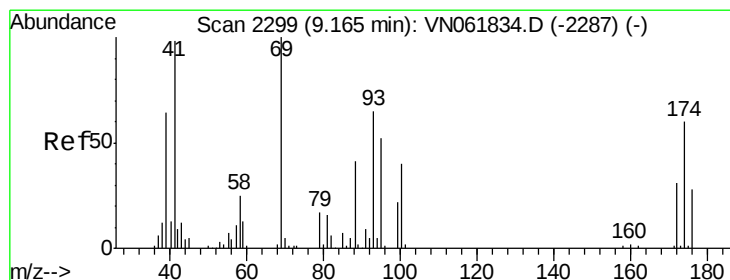
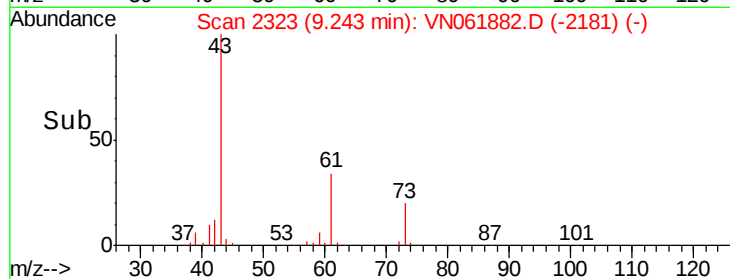
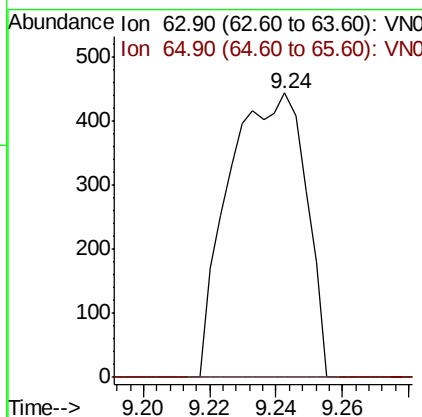
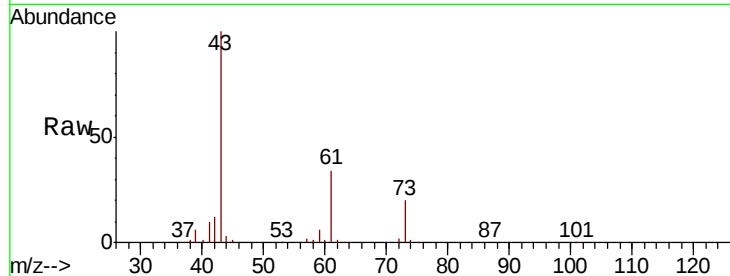




#45
 1,2-Dichloropropane
 Concen: 0.420 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.16 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

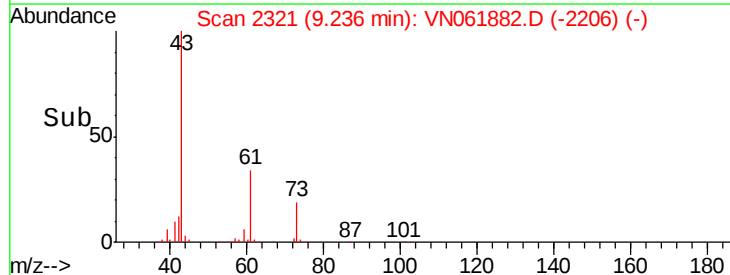
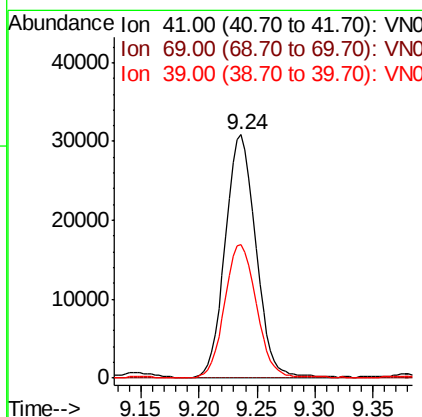
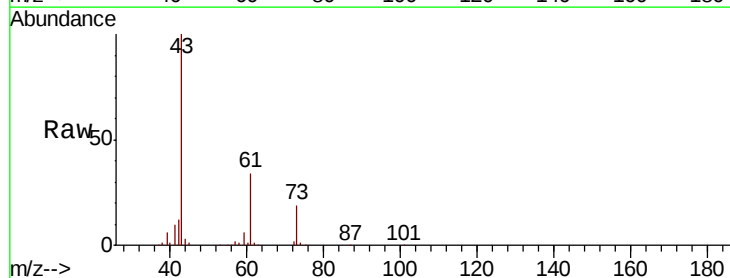
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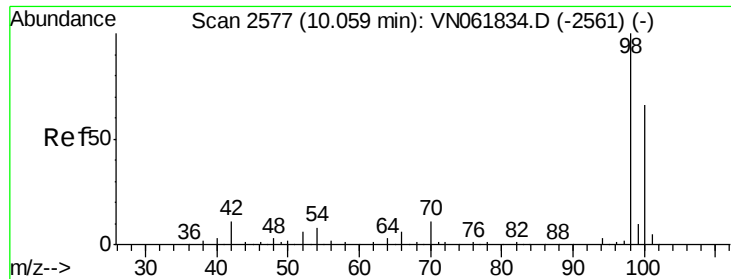
Tot Ion: 63 Resp: 713
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 41.578 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Tgt Ion: 41 Resp: 56732
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 56.7 55.1 82.7





#50

Toluene-d8

Concen: 50.730 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061882.D

Acq: 18 Jun 2020 5:29

Instrument :

MSVOA_N

ClientSampleId :

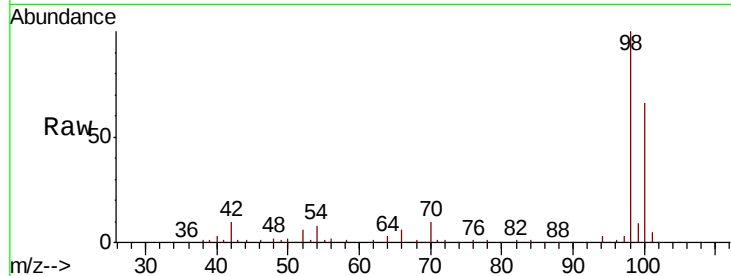
PB129582ZHE#01

Tot Ion: 98 Resp: 318925

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

200000

150000

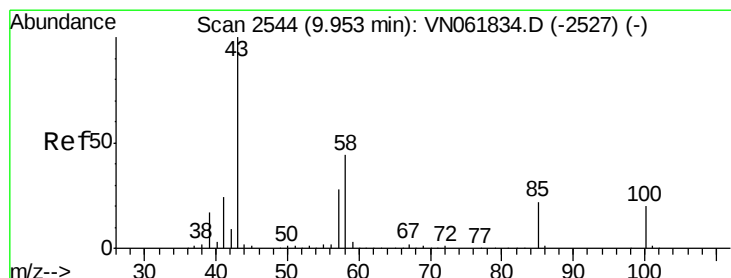
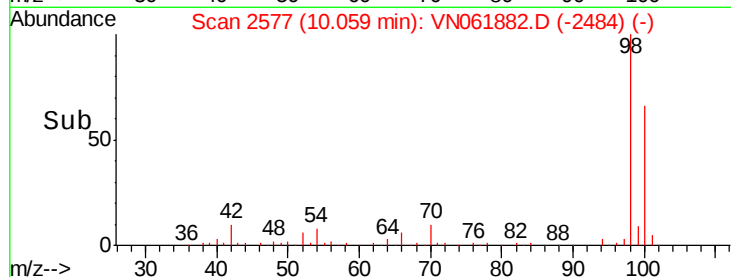
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.029 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061882.D

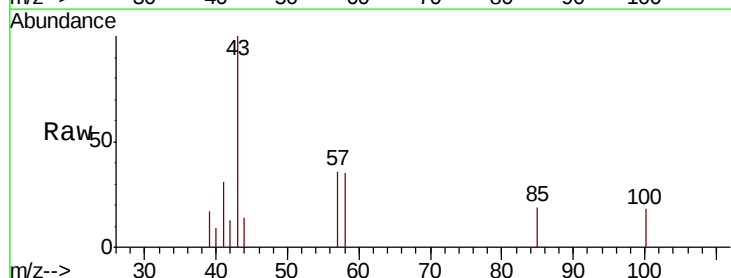
Acq: 18 Jun 2020 5:29

Tgt Ion: 43 Resp: 3598

Ion Ratio Lower Upper

43 100

58 37.1 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

3000

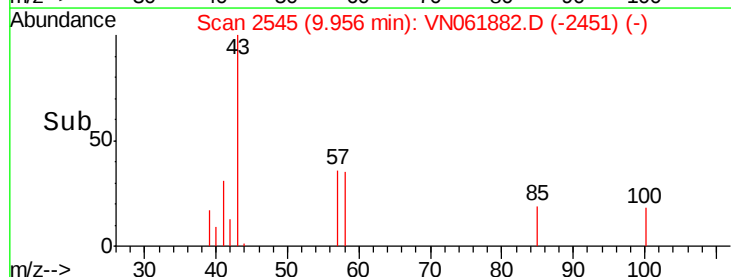
2000

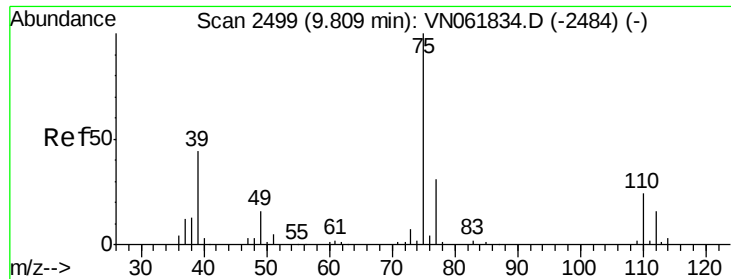
1000

0

9.90 9.95

Time-->

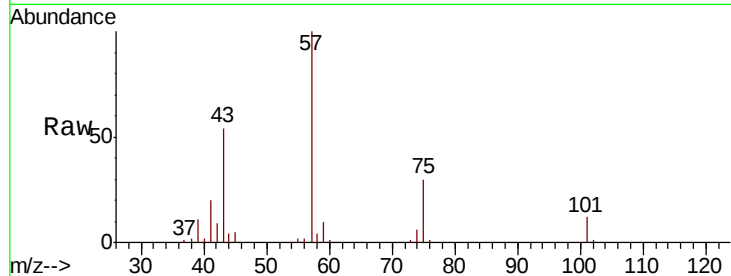




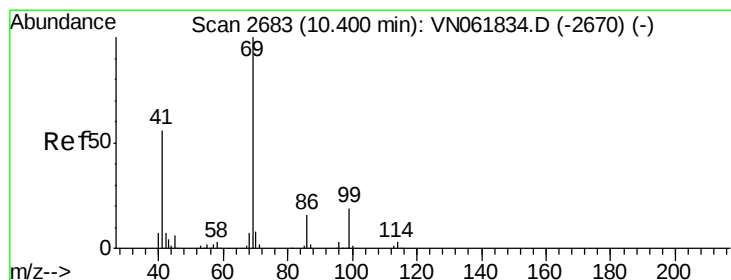
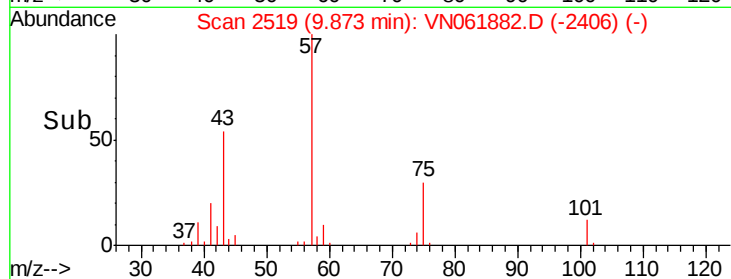
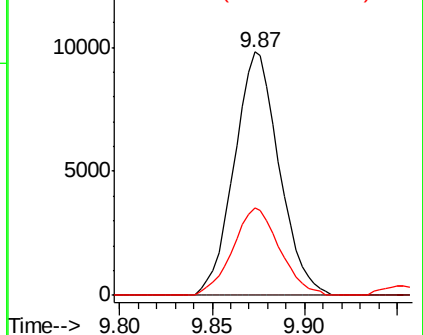
#54
 cis-1,3-Dichloropropene
 Concen: 5.829 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582ZHE#01

Tot Ion: 75 Resp: 16450
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 35.8 35.4 53.0

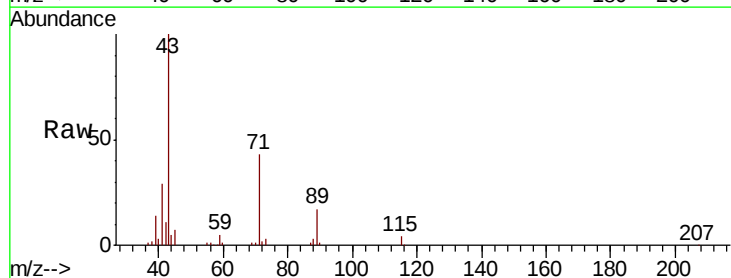


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO

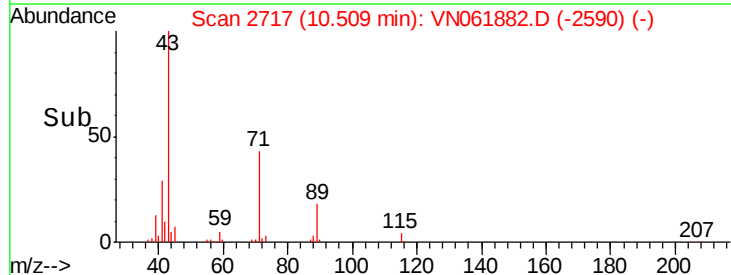
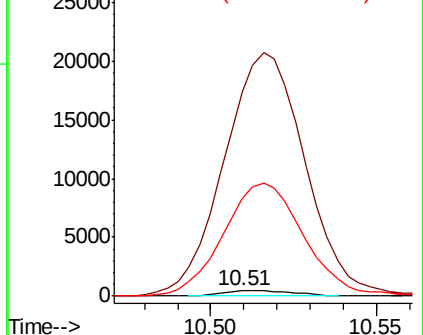


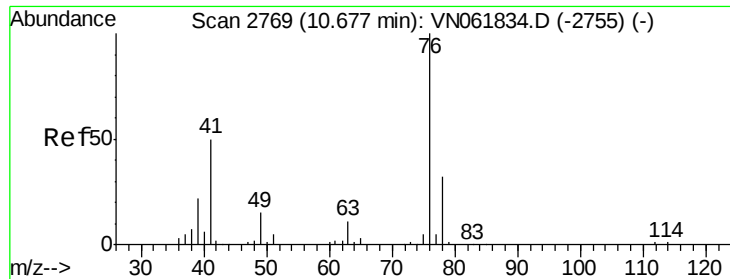
#56
 Ethyl methacrylate
 Concen: 3.152 ug/l
 RT: 10.51 min Scan# 2717
 Delta R.T. 0.11 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Tgt Ion: 69 Resp: 690
 Ion Ratio Lower Upper
 69 100
 41 5159.4 44.9 67.3#
 39 2361.3 30.0 45.0#



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

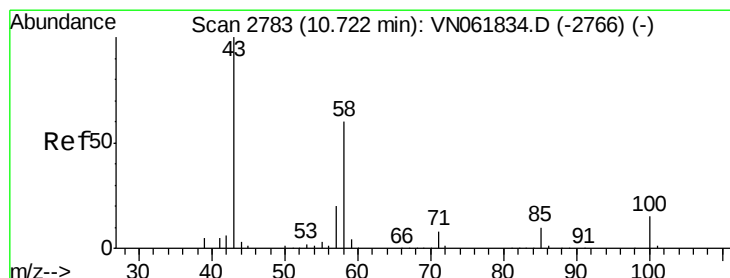
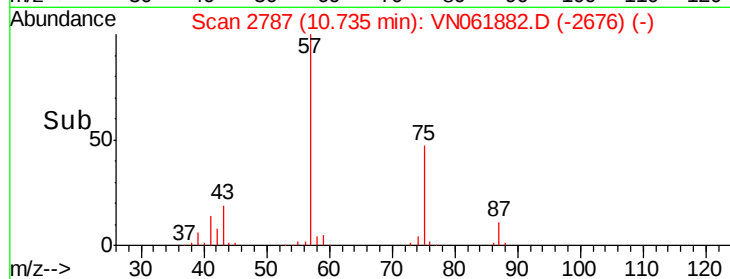
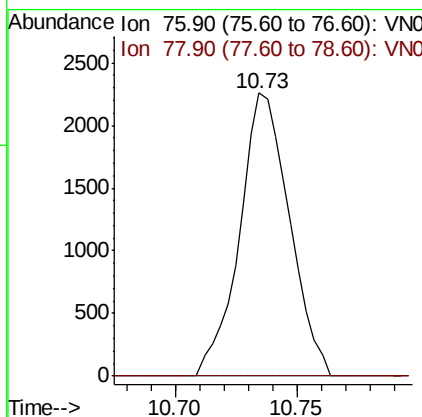
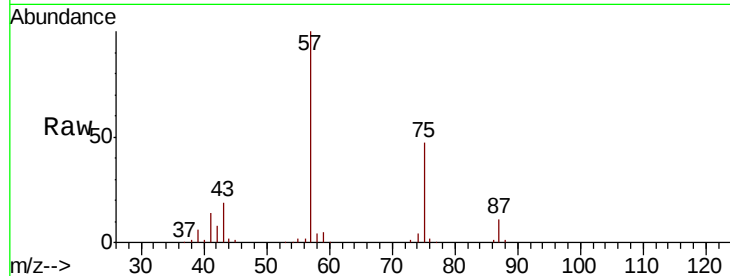




#57
 1,3-Dichloropropane
 Concen: 1.105 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.06 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

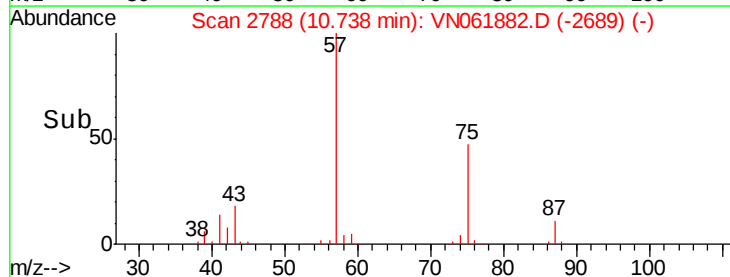
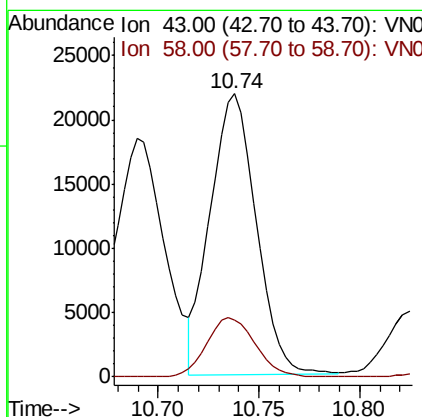
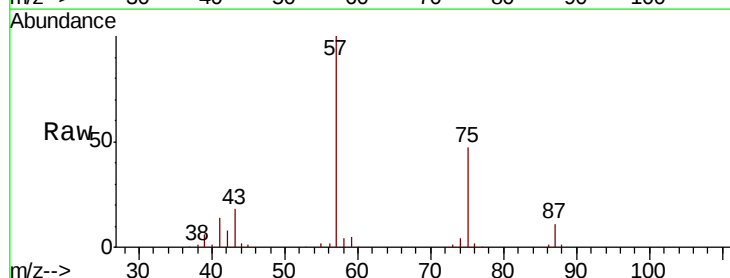
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582ZHE#01

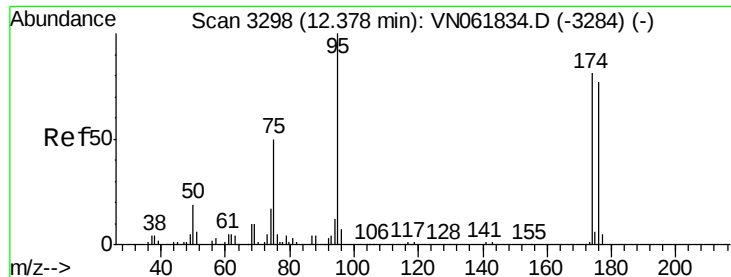
Tot Ion: 76 Resp: 3195
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 36.440 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Tgt Ion: 43 Resp: 34475
 Ion Ratio Lower Upper
 43 100
 58 22.3 30.1 90.5#

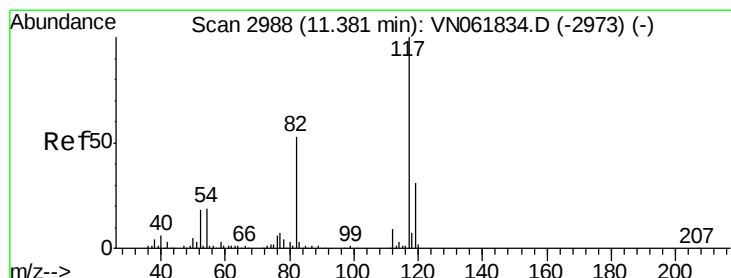
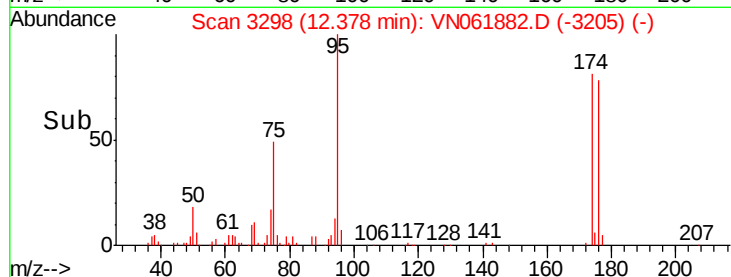
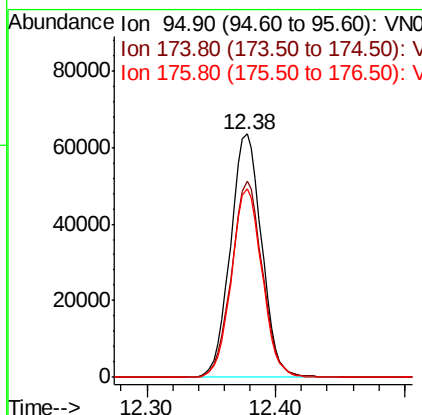
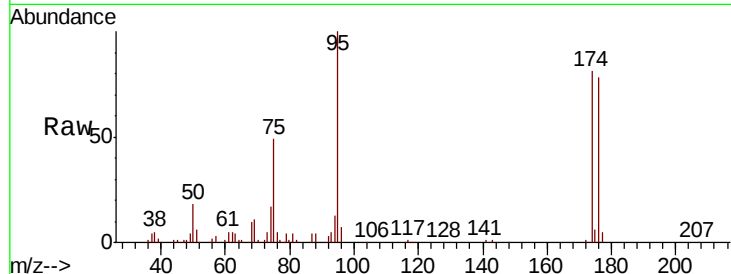




#62
4-Bromofluorobenzene
Concen: 49.551 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061882.D
Acq: 18 Jun 2020 5:29

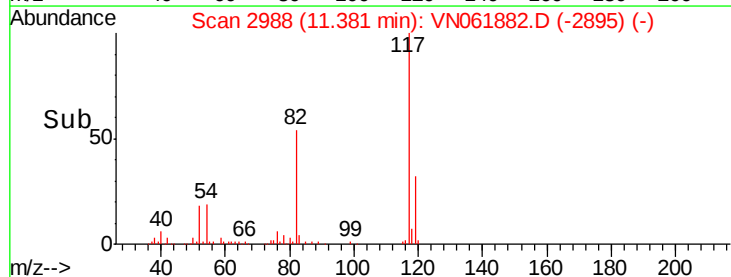
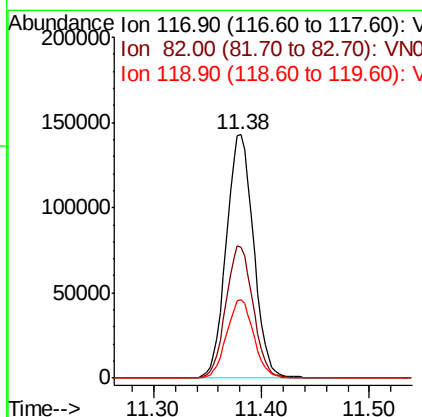
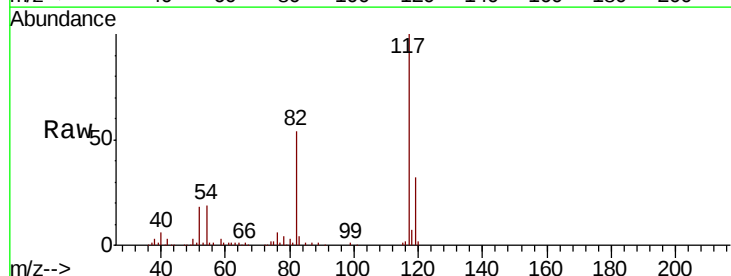
Instrument :
MSVOA_N
ClientSampleId :
PB129582ZHE#01

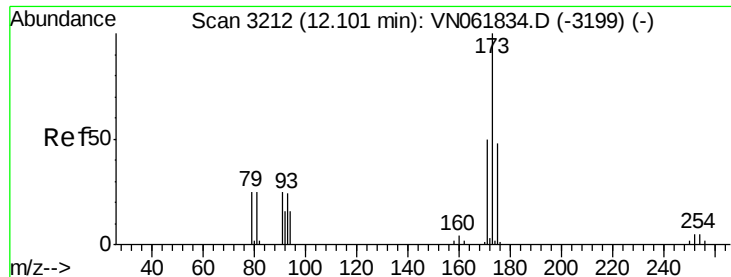
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	158.6
176	75.9	0.0	152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061882.D
Acq: 18 Jun 2020 5:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.6	64.0
119	32.3	24.7	37.1





#71

Bromoform

Concen: 0.209 ug/l

RT: 12.37 min Scan# 3295

Delta R.T. 0.27 min

Lab File: VN061882.D

Acq: 18 Jun 2020 5:29

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#01

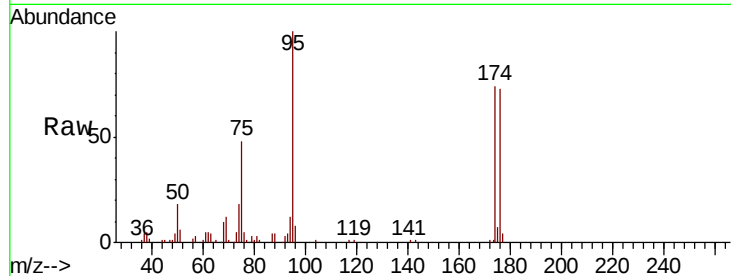
Tot Ion:173 Resp: 284

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

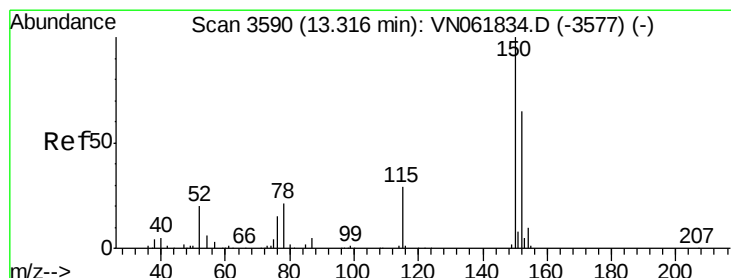
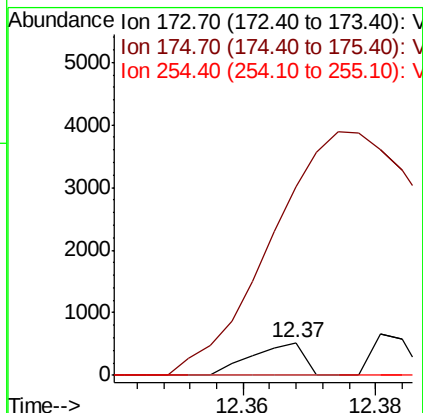
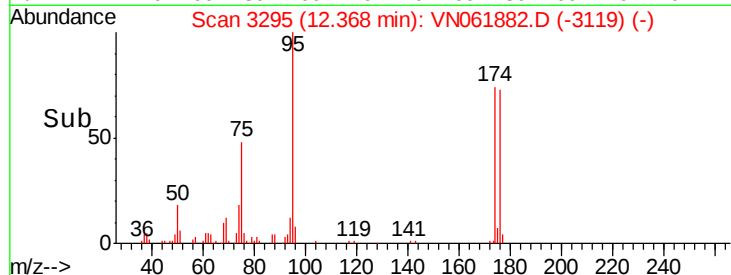
254 0.0 0.0 0.0



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: VN061882.D

Acq: 18 Jun 2020 5:29

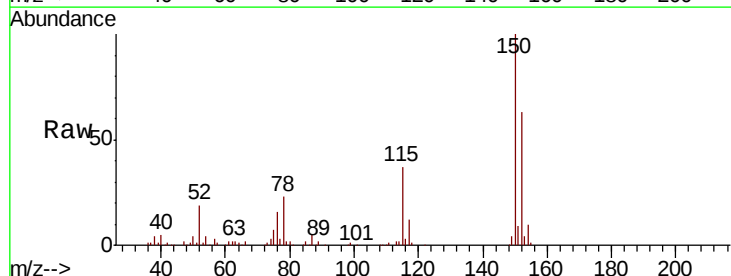
Tgt Ion:152 Resp: 94319

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.3

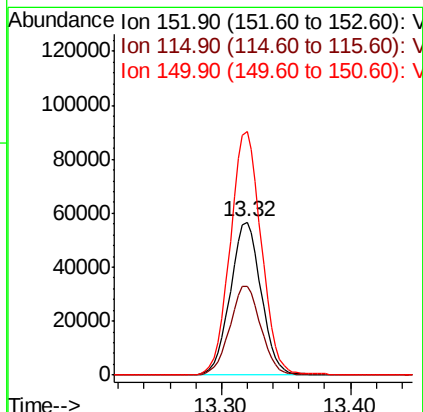
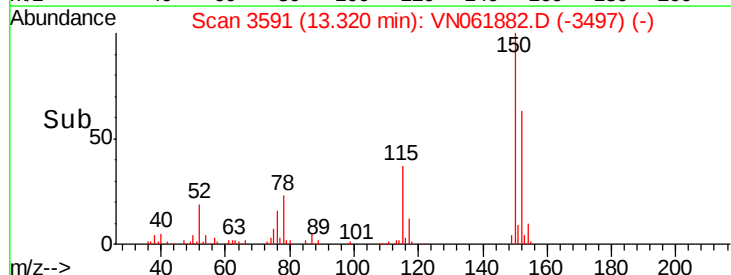
150 160.2 0.0 347.6

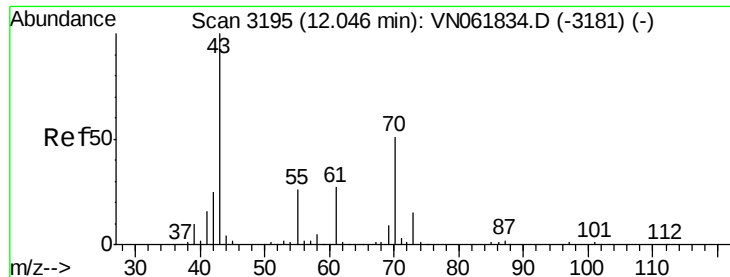


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.774 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061882.D

Acq: 18 Jun 2020 5:29

Instrument :

MSVOA_N

ClientSampleId :

PB129582ZHE#01

Tot Ion: 43 Resp: 1835

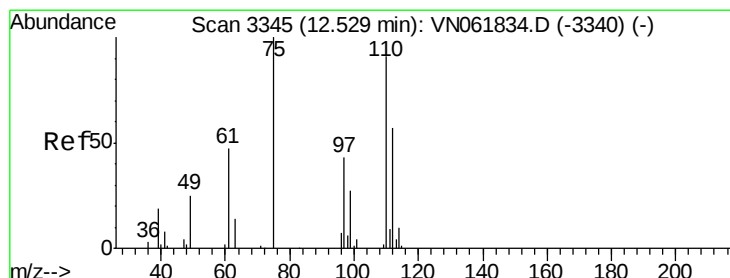
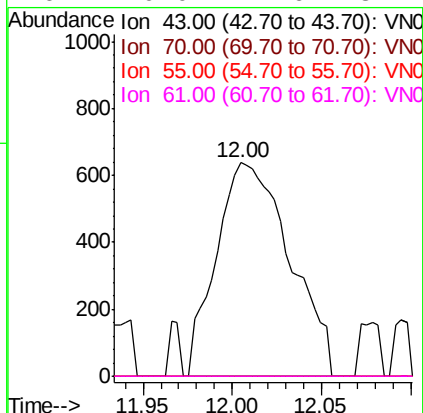
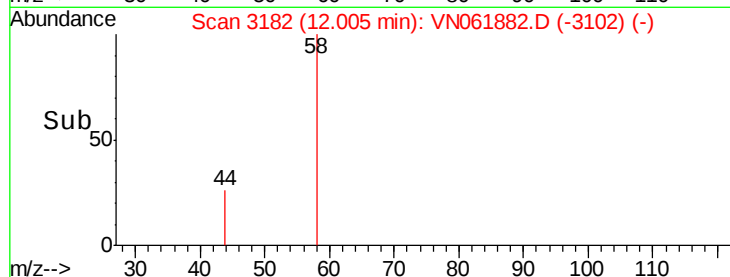
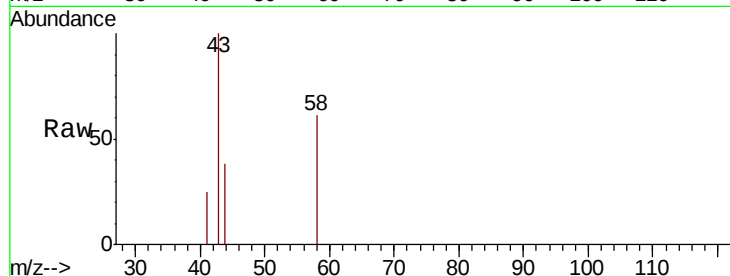
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#



#76

1,2,3-Trichloropropane

Concen: 27.831 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061882.D

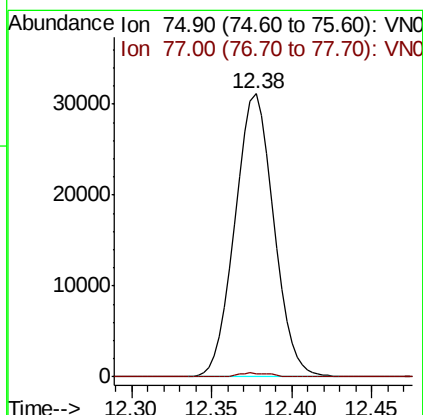
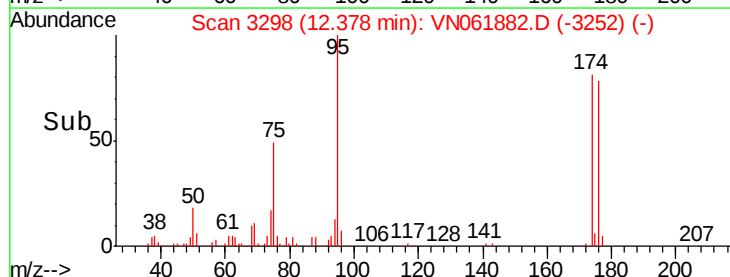
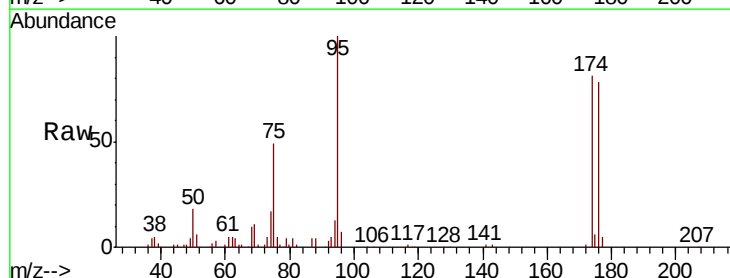
Acq: 18 Jun 2020 5:29

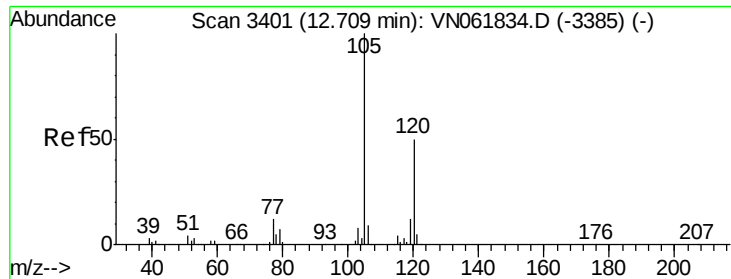
Tgt Ion: 75 Resp: 51536

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

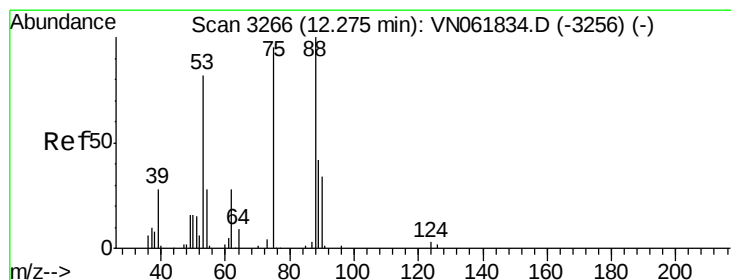
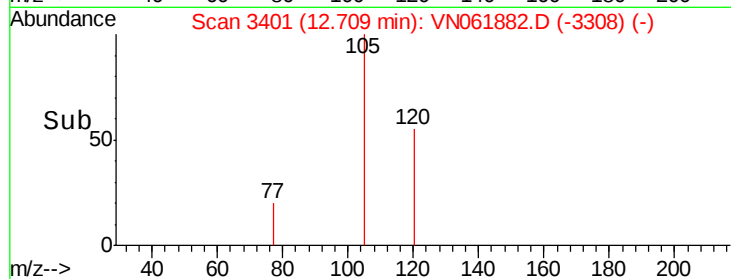
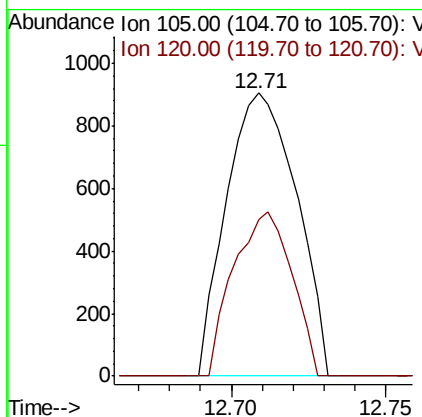
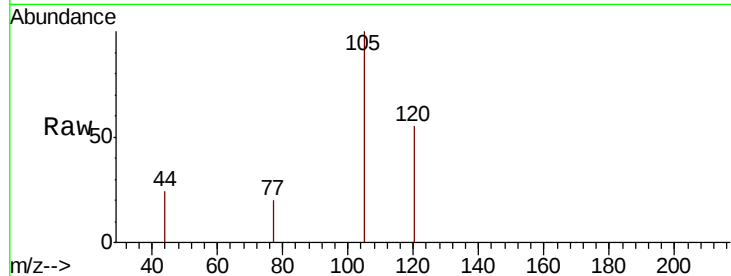




#80
 1,3,5-Trimethylbenzene
 Concen: 0.258 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582ZHE#01

Tot Ion:105 Resp: 1429
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.908 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061882.D
 Acq: 18 Jun 2020 5:29

Tgt Ion: 75 Resp: 51536
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

