

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061928.D
 Acq On : 19 Jun 2020 3:41
 Operator : JC/MD
 Sample : PB129596ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#05

Quant Time: Jun 19 05:34:35 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

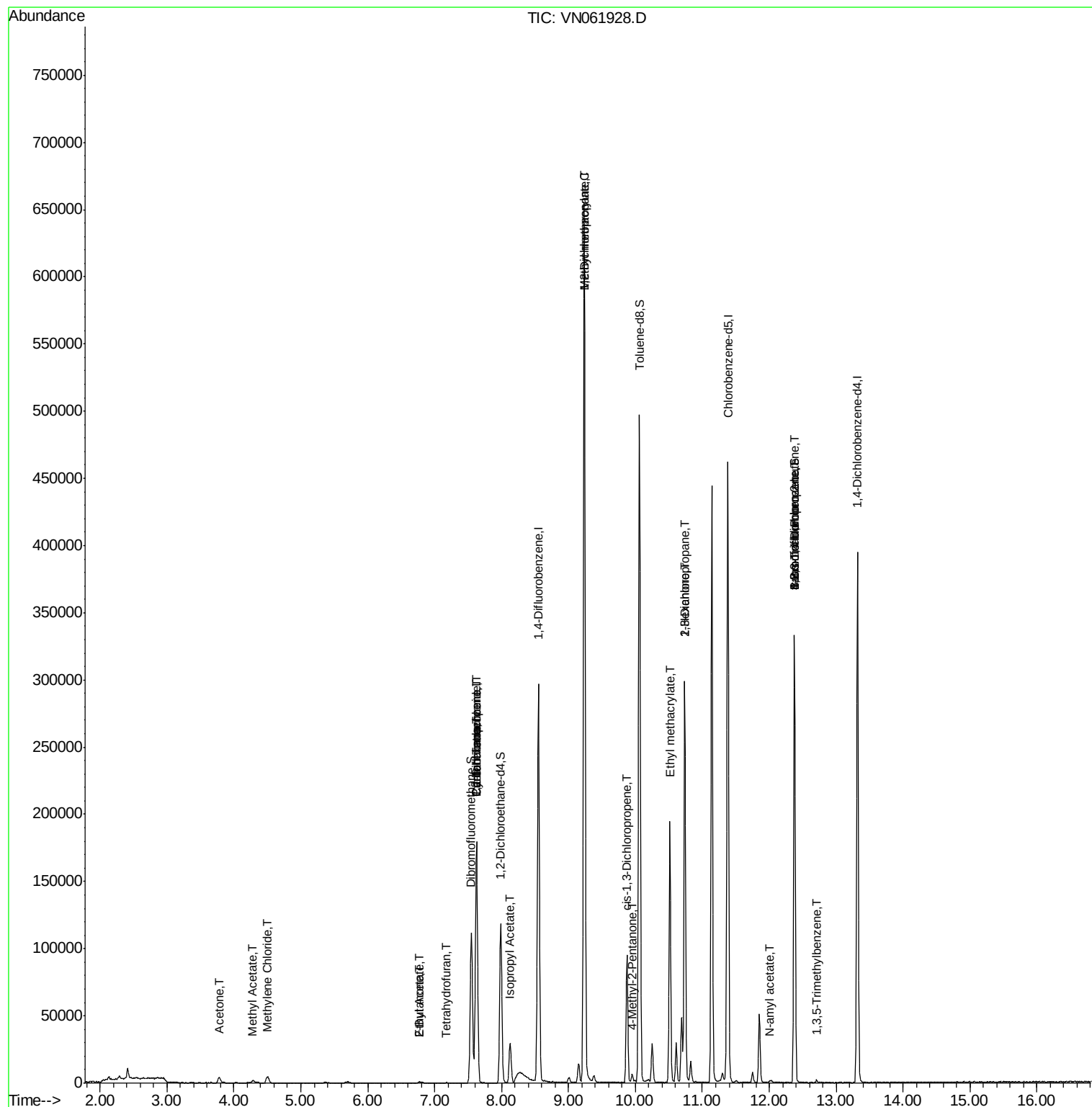
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	142753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	273789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	272921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107020	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	98740	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
35) Dibromofluoromethane	7.55	113	86972	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
50) Toluene-d8	10.06	98	351312	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.38	95	115847	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	7478	13.223	ug/l	97
18) Methyl Acetate	4.28	43	1813	1.114	ug/l #	74
20) Methylene Chloride	4.50	84	4038	2.192	ug/l	96
25) 2-Butanone	6.79	43	646	0.783	ug/l #	44
29) Tetrahydrofuran	7.18	42	153	0.282	ug/l #	26
31) Cyclohexane	7.62	56	3117	1.235	ug/l #	39
36) 1,1-Dichloropropene	7.63	75	11391	4.561	ug/l #	49
37) Ethyl Acetate	6.79	43	646	0.331	ug/l #	65
38) Carbon Tetrachloride	7.63	117	14793	5.982	ug/l #	16
43) Isopropyl Acetate	8.13	43	33134	10.082	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	799	0.430	ug/l #	43
48) Methyl methacrylate	9.24	41	61090	40.876	ug/l #	33
51) 4-Methyl-2-Pentanone	9.96	43	3925	2.021	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	18069	5.846	ug/l #	66
56) Ethyl methacrylate	10.52	69	784	3.161	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3304	1.043	ug/l #	42
59) 2-Hexanone	10.74	43	38824	37.088	ug/l #	49
71) Bromoform	12.37	173	427	0.292	ug/l #	1
74) N-amyl acetate	12.00	43	915	3.376	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	58388	27.790	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1593	0.253	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.37	75	58388	75.794	ug/l #	14

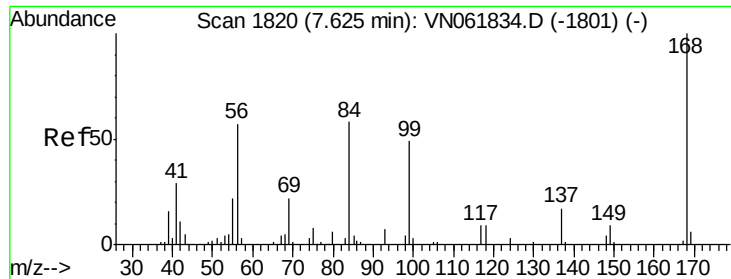
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

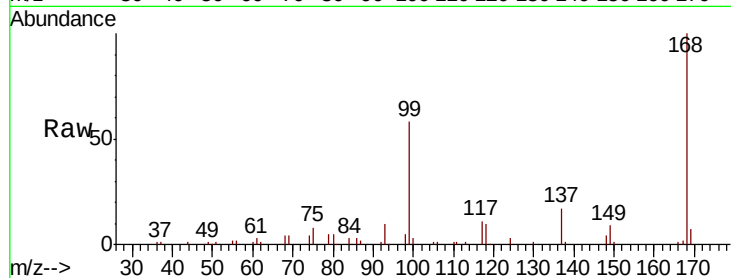
PB129596ZHE#05

Tot Ion:168 Resp: 142753

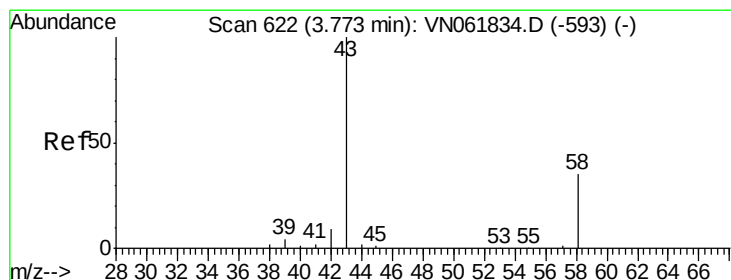
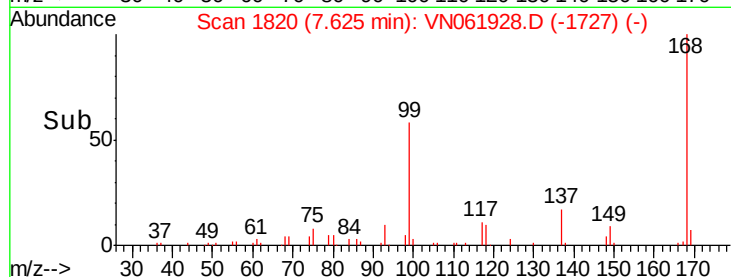
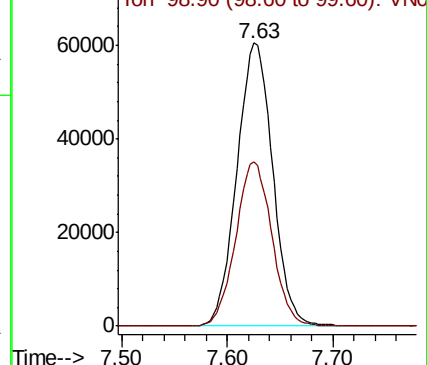
Ion Ratio Lower Upper

168 100

99 58.3 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061928.D (-1727) (-)



#16

Acetone

Concen: 13.223 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061928.D

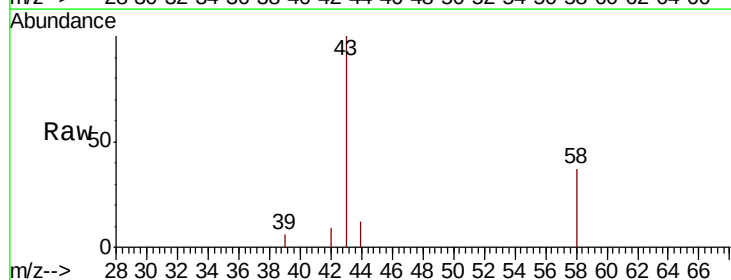
Acq: 19 Jun 2020 3:41

Tgt Ion: 43 Resp: 7478

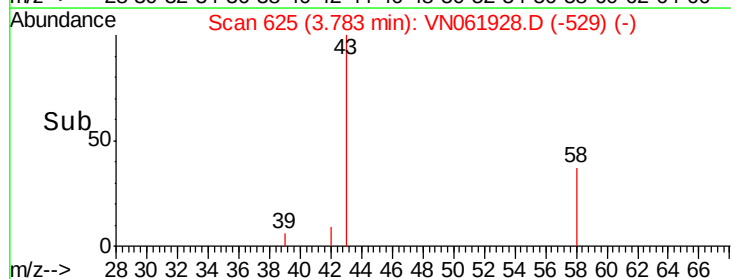
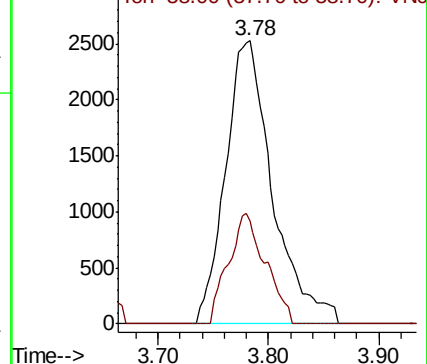
Ion Ratio Lower Upper

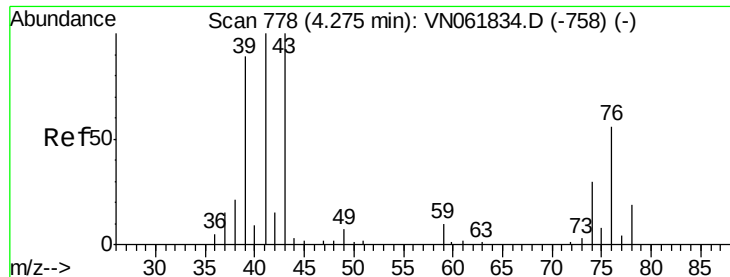
43 100

58 36.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061928.D (-529) (-)

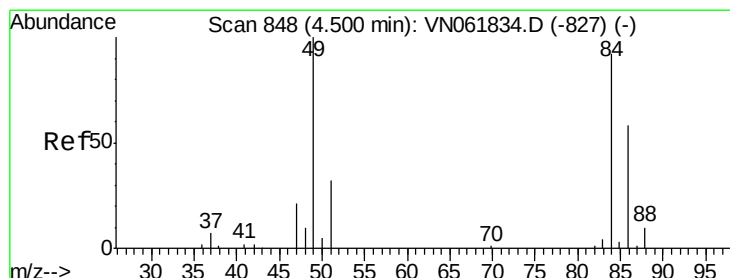
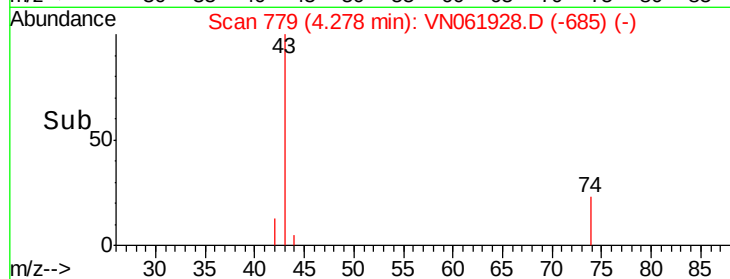
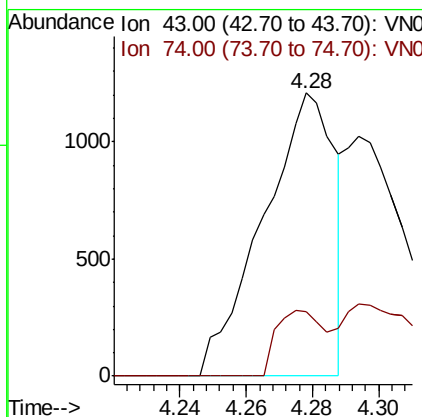
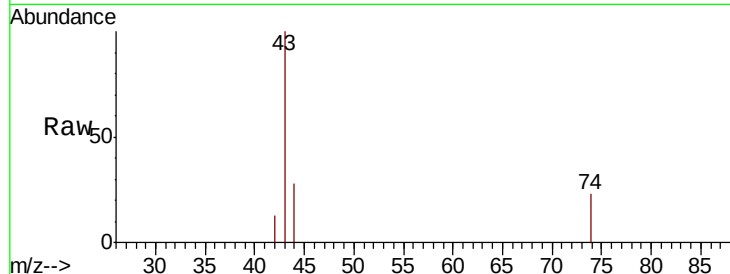




#18
Methyl Acetate
Concen: 1.114 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061928.D
Acq: 19 Jun 2020 3:41

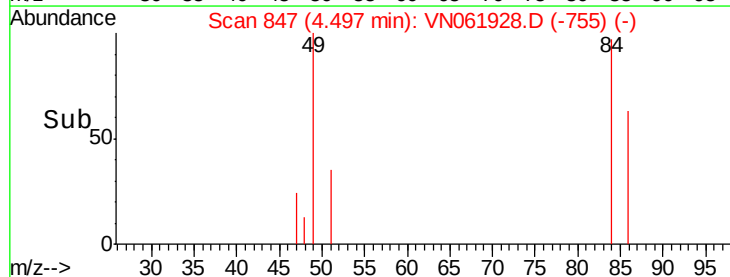
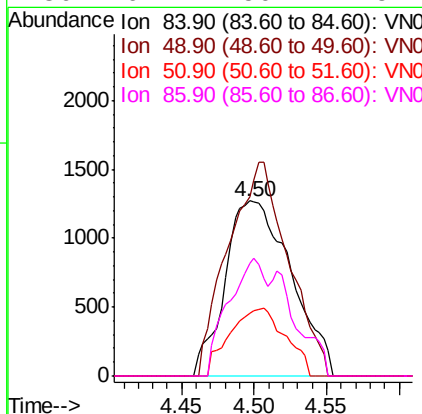
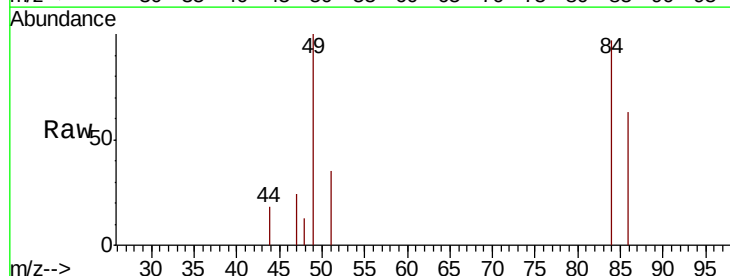
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#05

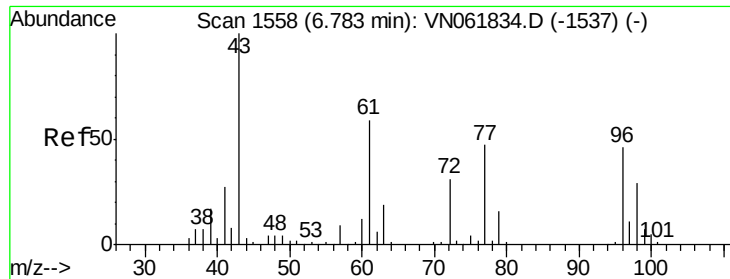
Tot Ion: 43 Resp: 1813
Ion Ratio Lower Upper
43 100
74 15.1 23.0 34.4#



#20
Methylene Chloride
Concen: 2.192 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061928.D
Acq: 19 Jun 2020 3:41

Tgt Ion: 84 Resp: 4038
Ion Ratio Lower Upper
84 100
49 102.7 87.0 130.4
51 35.5 27.8 41.6
86 64.4 50.2 75.2





#25

2-Butanone

Concen: 0.783 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

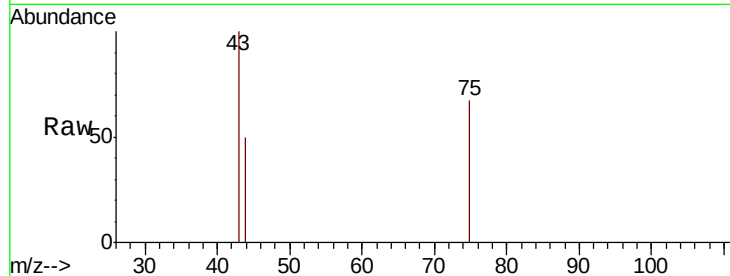
PB129596ZHE#05

Tot Ion: 43 Resp: 646

Ion Ratio Lower Upper

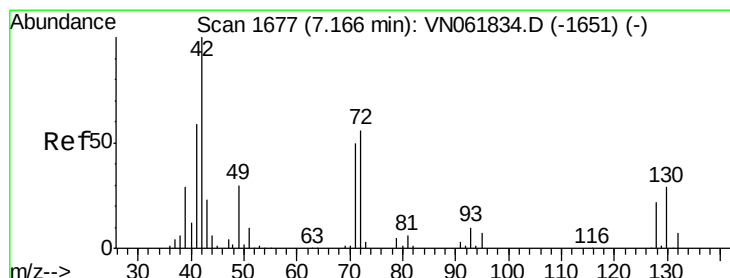
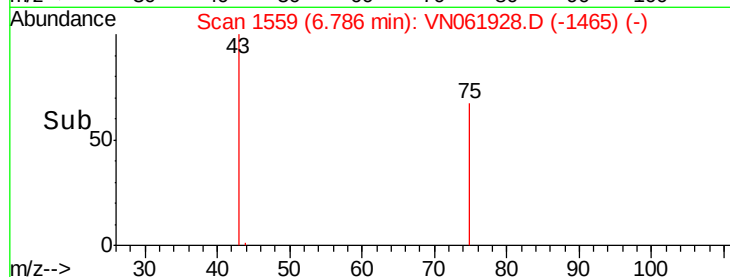
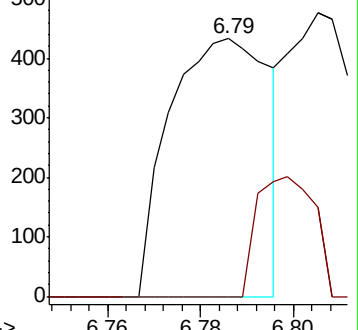
43 100

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



#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

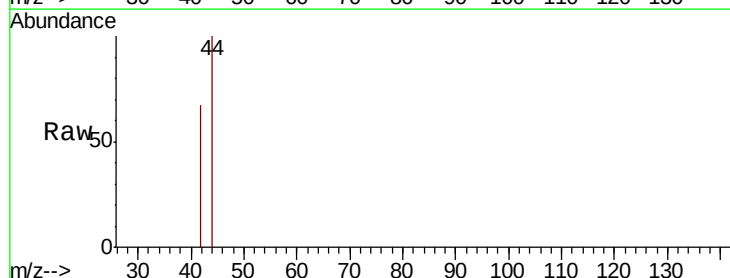
Tgt Ion: 42 Resp: 153

Ion Ratio Lower Upper

42 100

72 0.0 44.0 66.0#

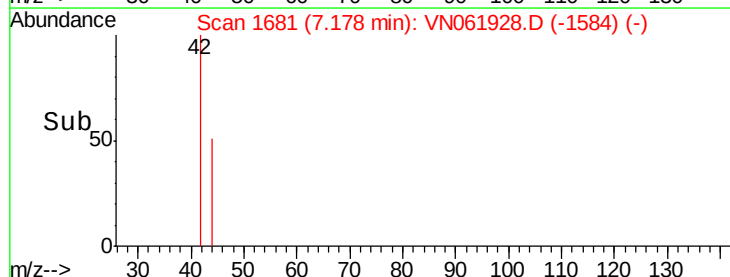
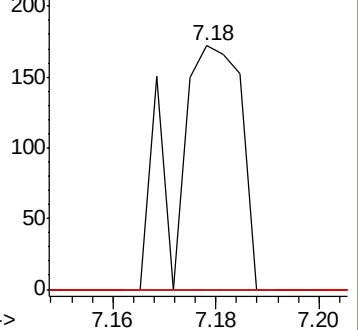
71 0.0 40.0 60.0#

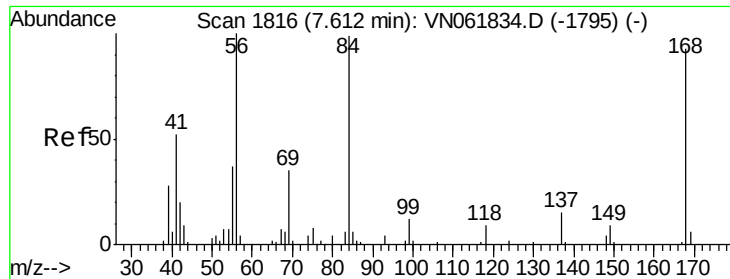


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

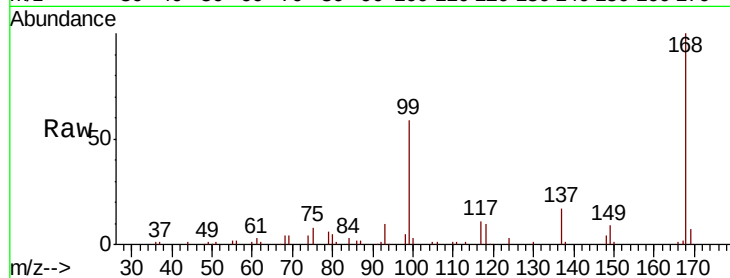




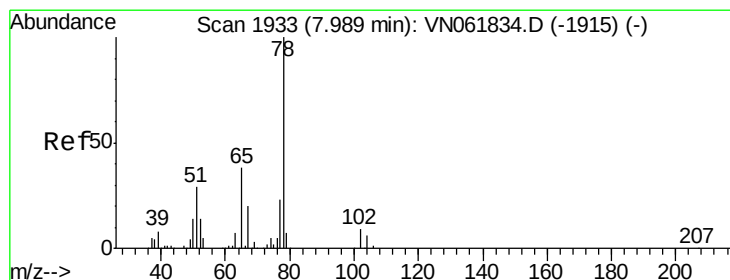
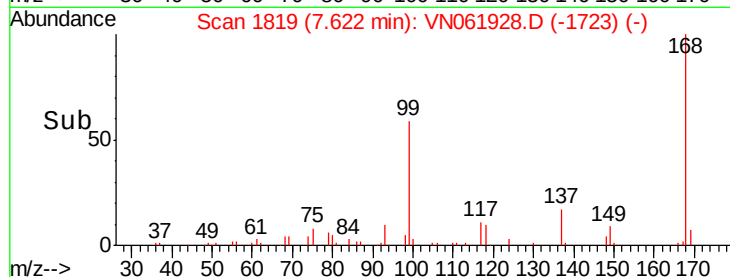
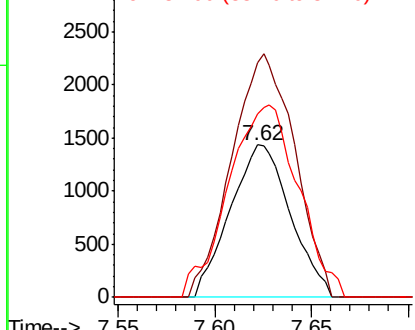
#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061928.D
Acq: 19 Jun 2020 3:41

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#05

Tot Ion: 56 Resp: 3117
Ion Ratio Lower Upper
56 100
69 153.7 27.7 41.5#
84 108.5 79.1 118.7

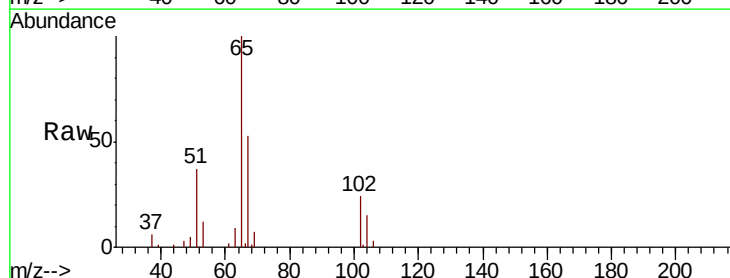


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

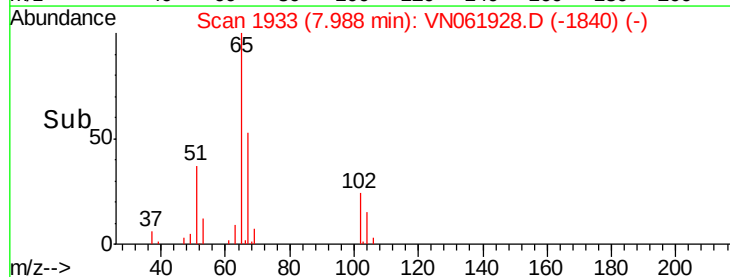
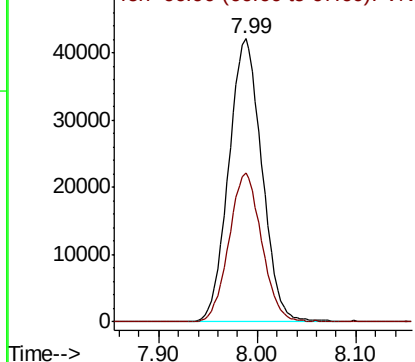


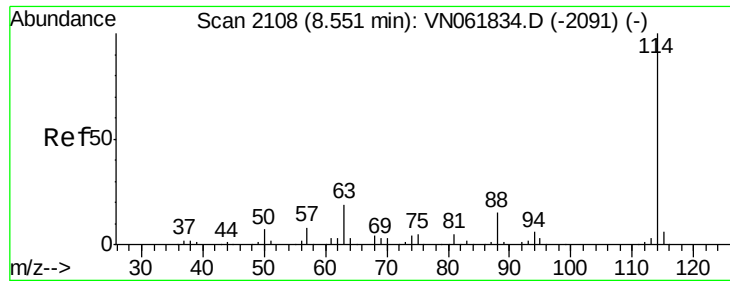
#33
1,2-Dichloroethane-d4
Concen: 51.574 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061928.D
Acq: 19 Jun 2020 3:41

Tgt Ion: 65 Resp: 98740
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

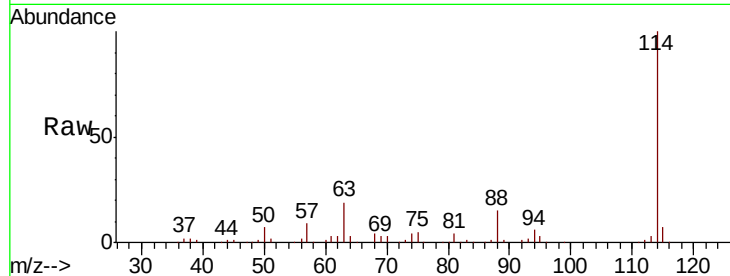




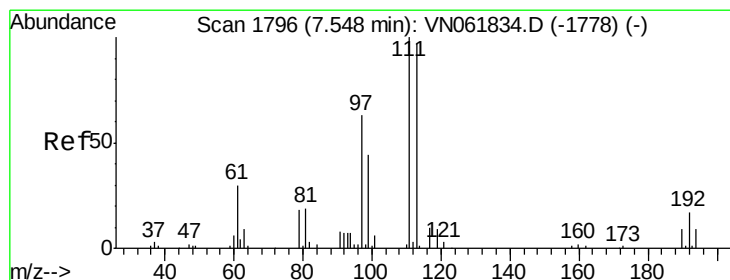
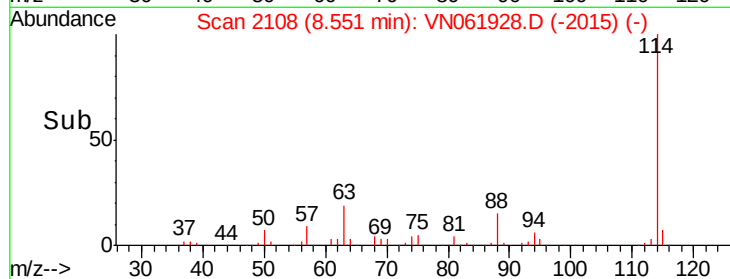
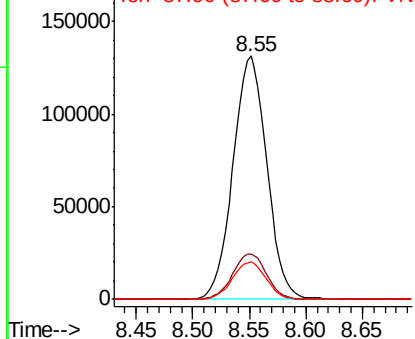
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#05

Tot Ion:114 Resp: 273789
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.4 0.0 31.0

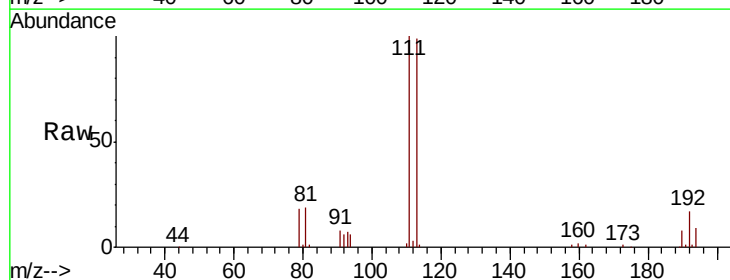


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

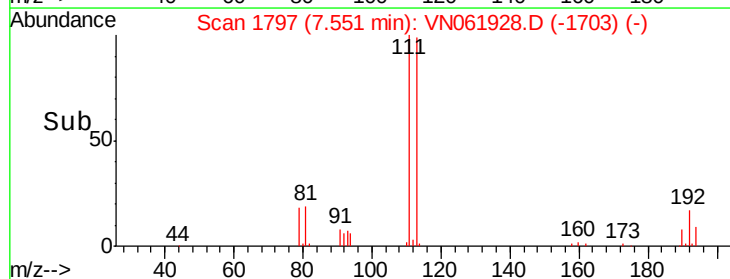
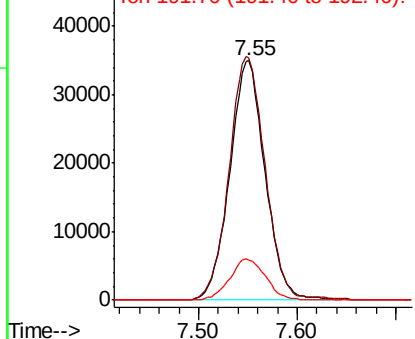


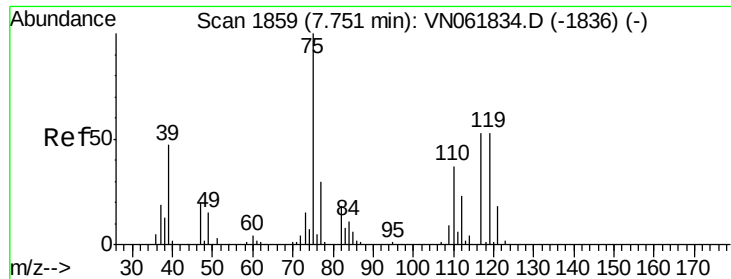
#35
 Dibromofluoromethane
 Concen: 49.654 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Tgt Ion:113 Resp: 86972
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.7 125.5
 192 17.4 13.9 20.9



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

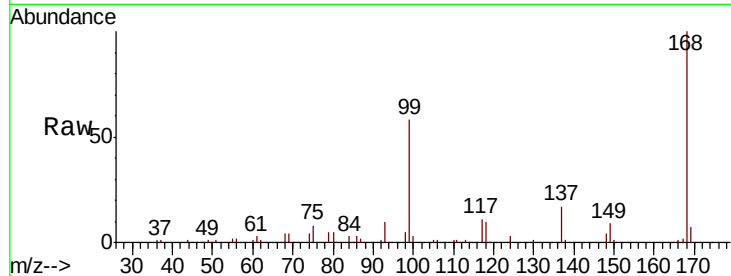




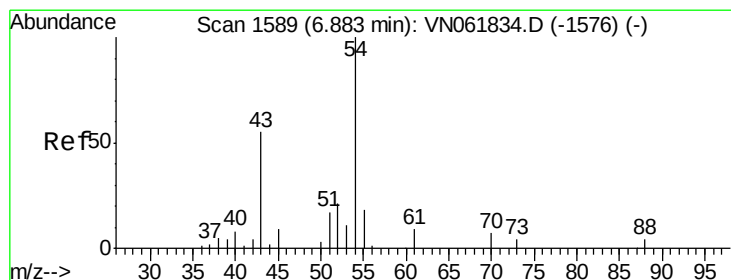
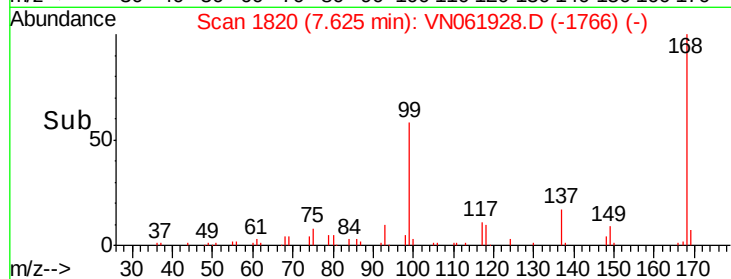
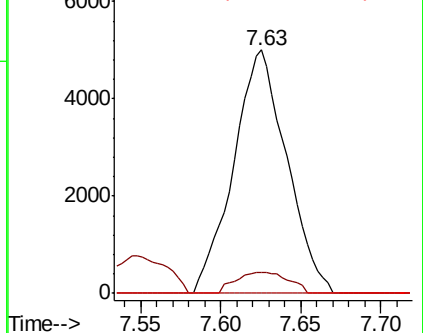
#36
 1,1-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Instrument :
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 ClientSampleId :
 PB129596ZHE#05

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.2	36.4#

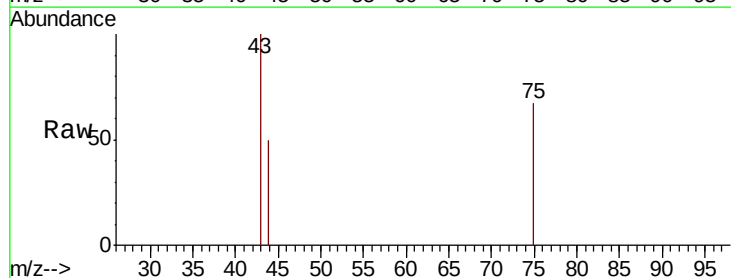


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

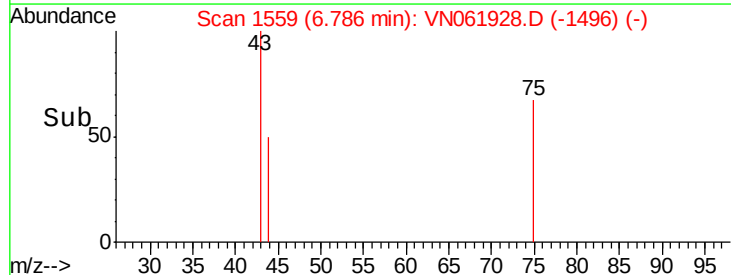
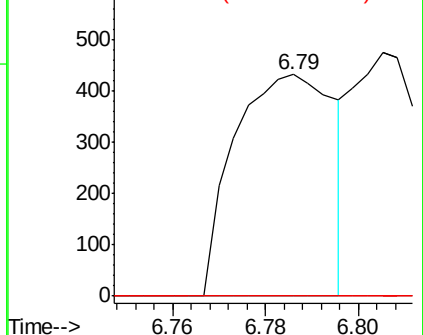


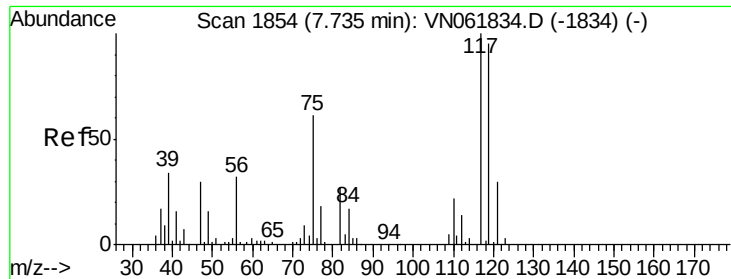
#37
 Ethyl Acetate
 Concen: 0.331 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.10 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

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



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





#38

Carbon Tetrachloride

Concen: 5.982 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#05

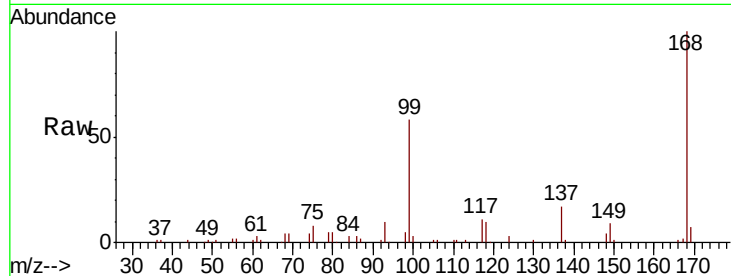
Tot Ion:117 Resp: 14793

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

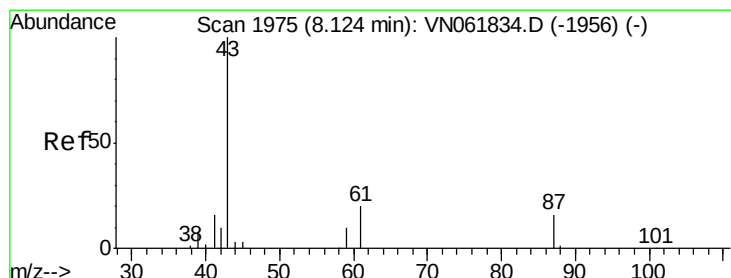
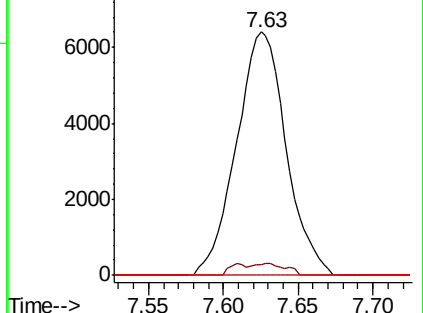
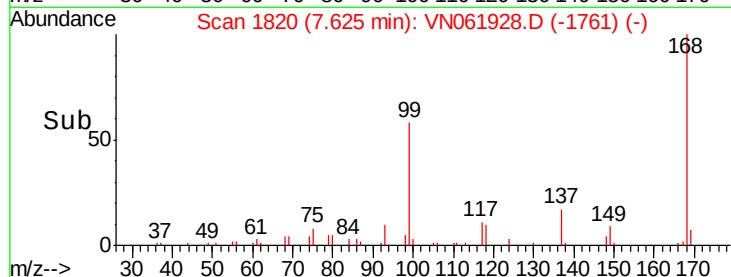
121 0.0 23.8 35.6#



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: 10.082 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

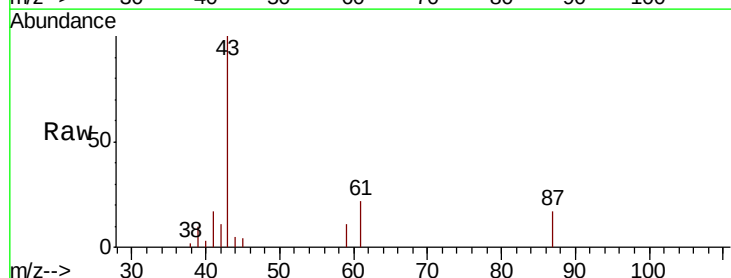
Tgt Ion: 43 Resp: 33134

Ion Ratio Lower Upper

43 100

61 21.3 24.0 36.0#

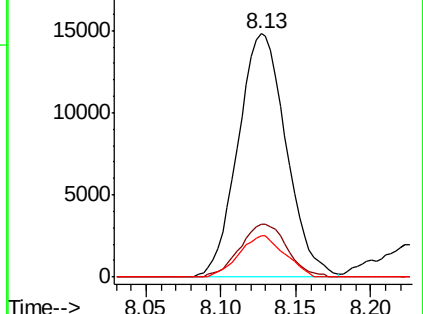
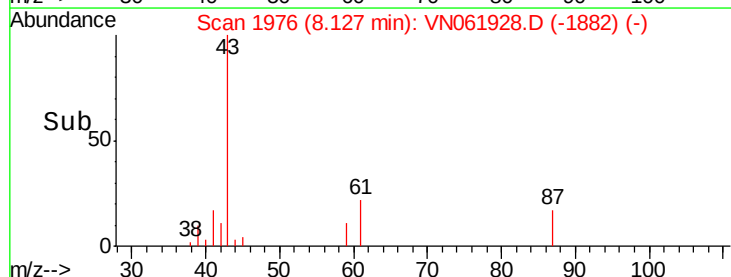
87 16.0 12.5 18.7

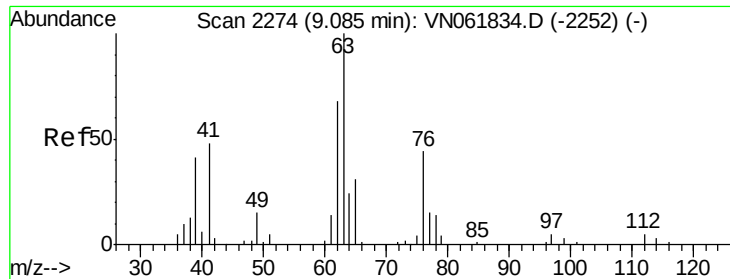


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

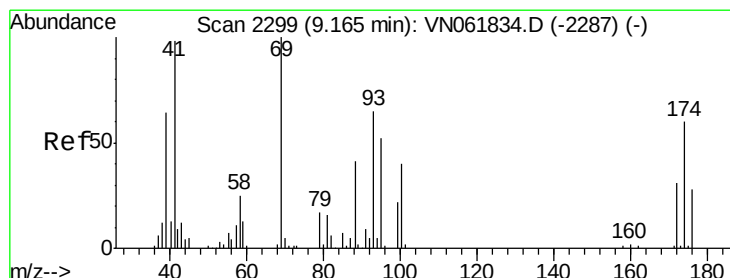
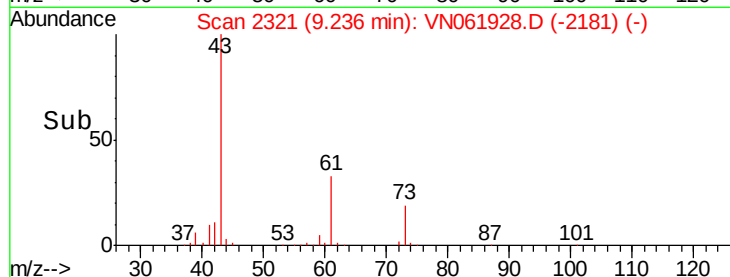
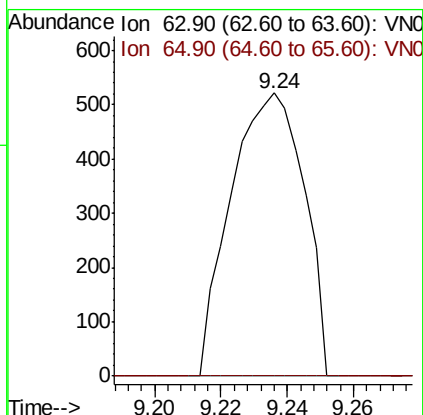
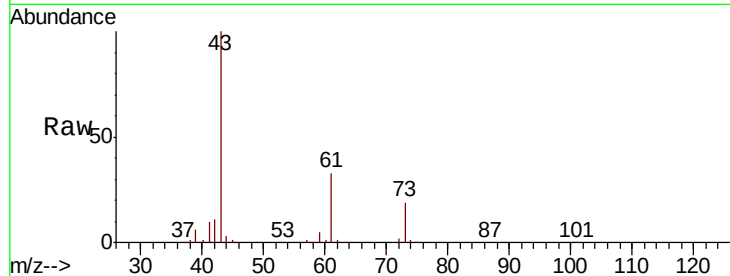




#45
 1,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

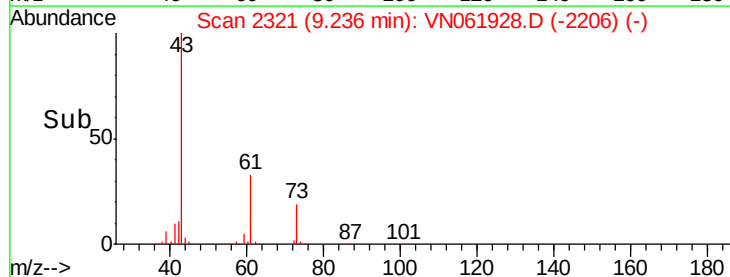
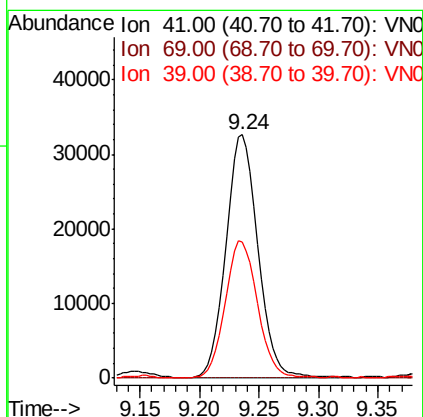
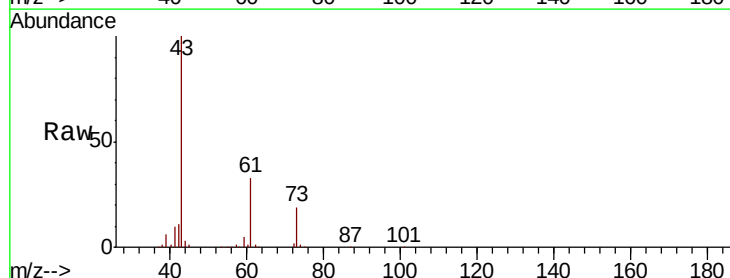
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#05

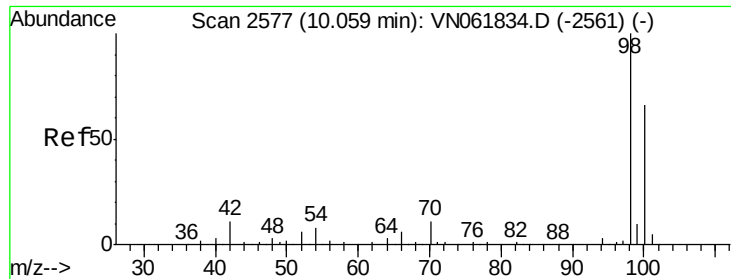
Tot Ion: 63 Resp: 799
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 40.876 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Tgt Ion: 41 Resp: 61090
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 56.9 55.1 82.7





#50

Toluene-d8

Concen: 51.018 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

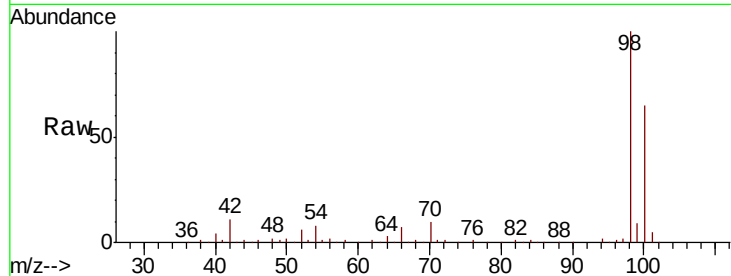
PB129596ZHE#05

Tot Ion: 98 Resp: 351312

Ion Ratio Lower Upper

98 100

100 65.5 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) (-)

10.06

200000

150000

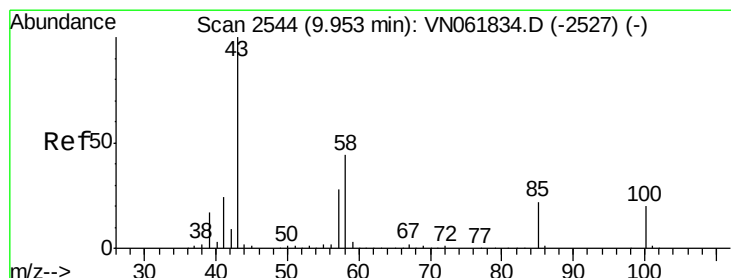
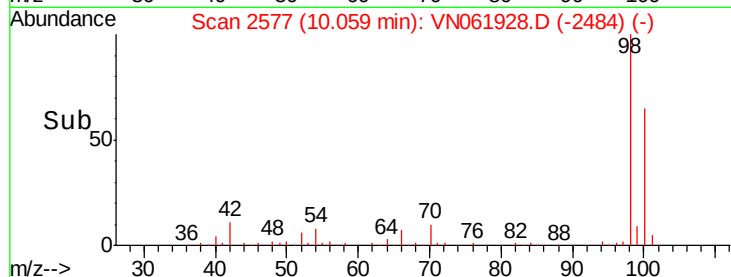
100000

50000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 2.021 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061928.D

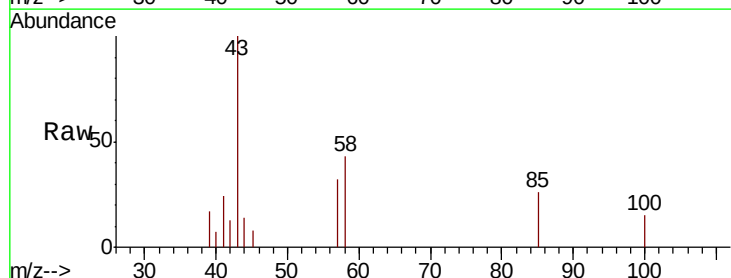
Acq: 19 Jun 2020 3:41

Tgt Ion: 43 Resp: 3925

Ion Ratio Lower Upper

43 100

58 42.3 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) (-)

4000

3000

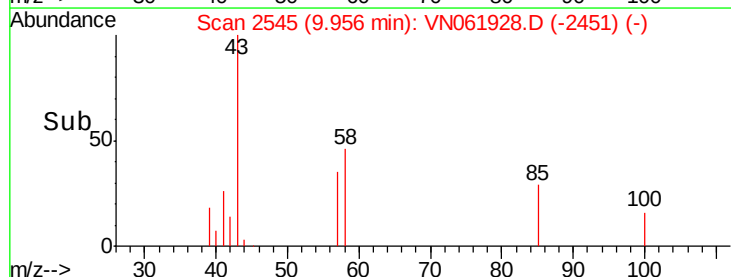
2000

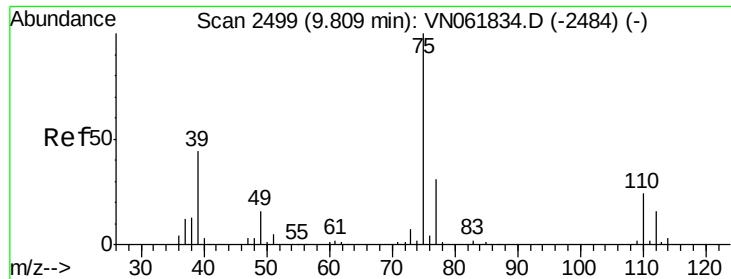
1000

0

Time-->

9.90 9.95 10.00

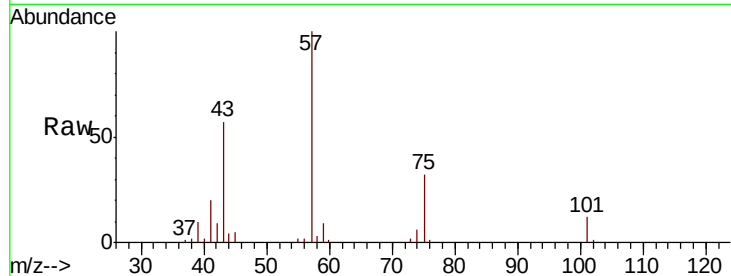




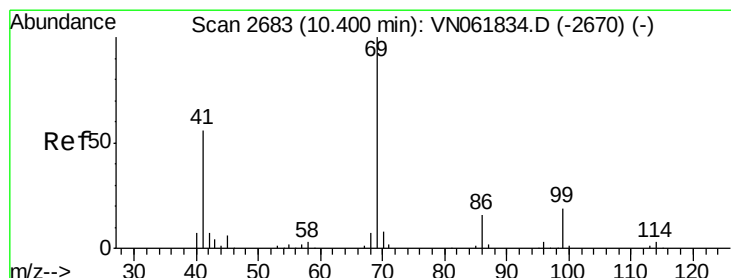
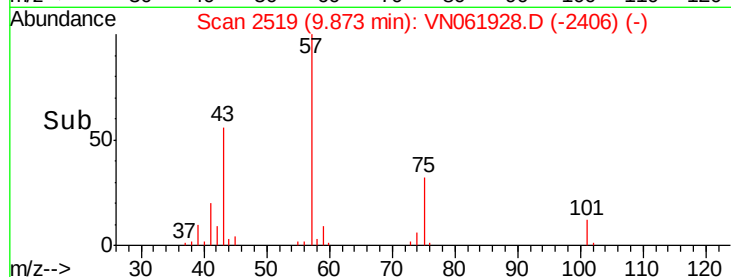
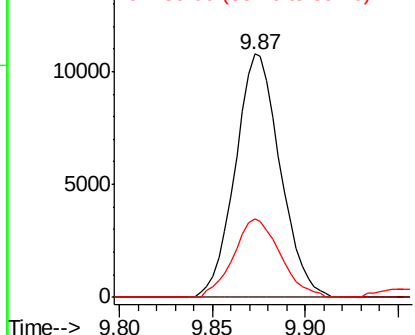
#54
 cis-1,3-Dichloropropene
 Concen: 5.846 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#05

Tot Ion: 75 Resp: 18069
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 32.4 35.4 53.0#

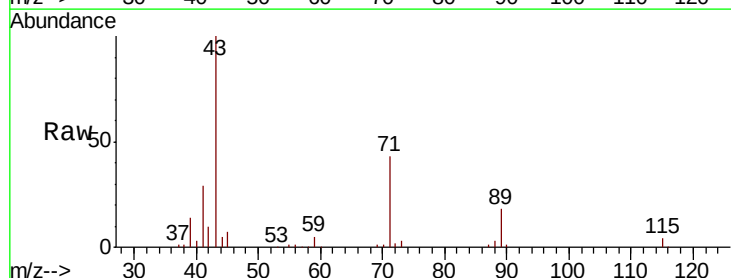


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

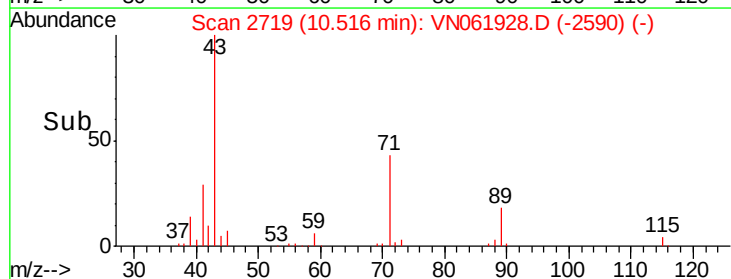
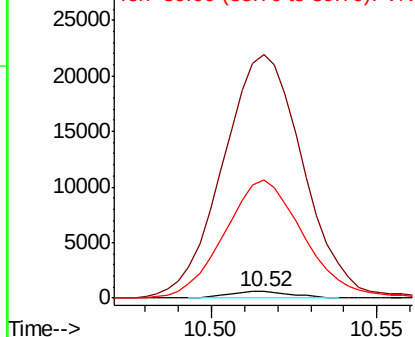


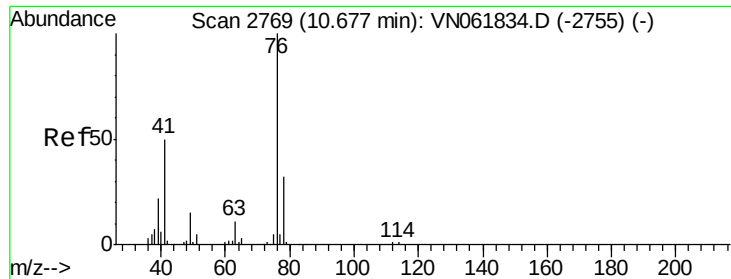
#56
 Ethyl methacrylate
 Concen: 3.161 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Tgt Ion: 69 Resp: 784
 Ion Ratio Lower Upper
 69 100
 41 4736.4 44.9 67.3#
 39 2261.5 30.0 45.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

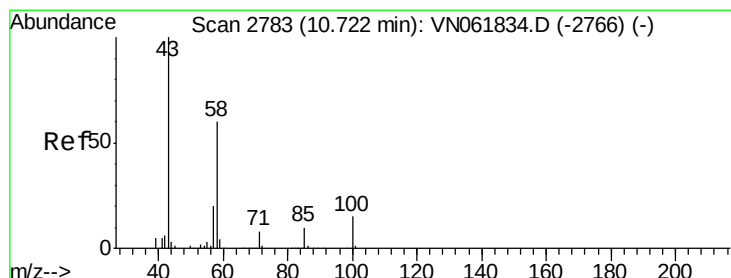
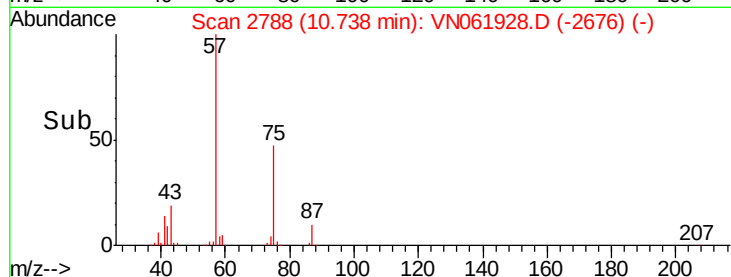
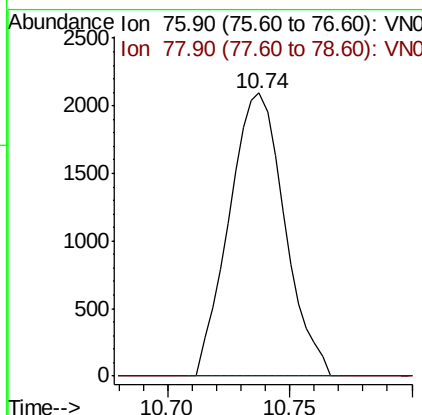
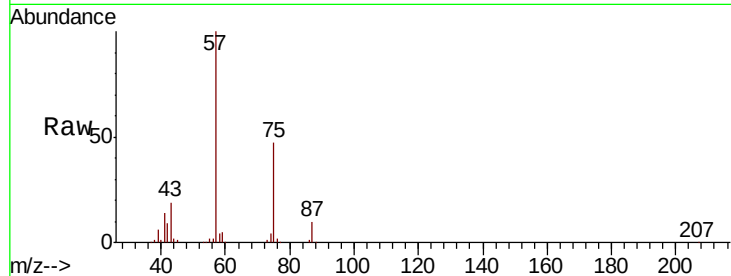




#57
 1,3-Dichloropropane
 Concen: 1.043 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

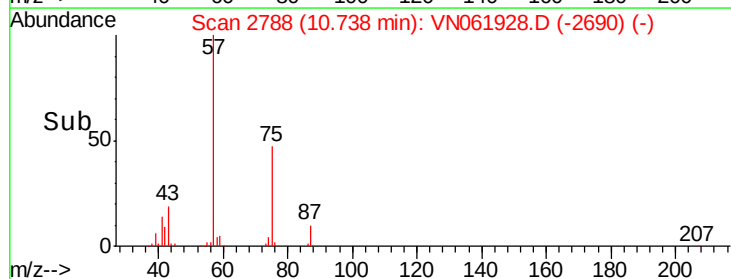
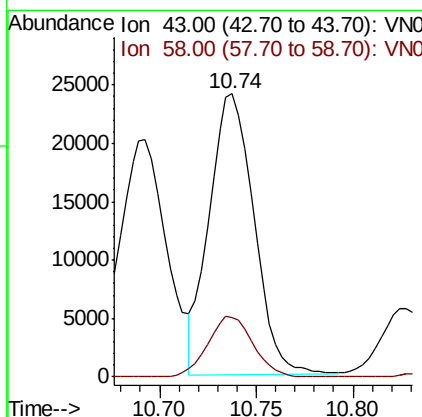
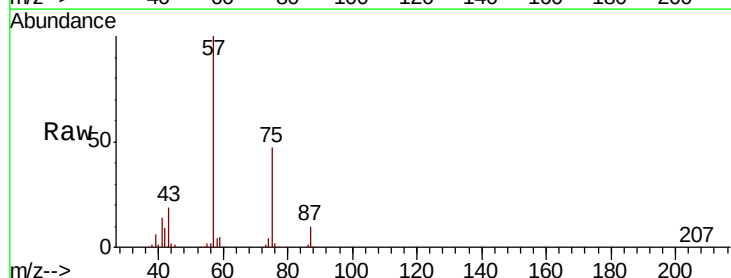
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#05

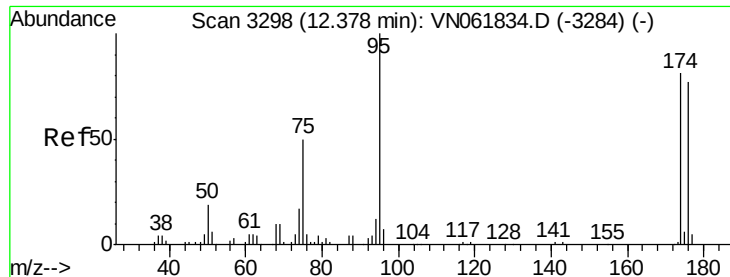
Tot Ion: 76 Resp: 3304
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 37.088 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Tgt Ion: 43 Resp: 38824
 Ion Ratio Lower Upper
 43 100
 58 21.7 30.1 90.5#





#62

4-Bromofluorobenzene

Concen: 49.045 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#05

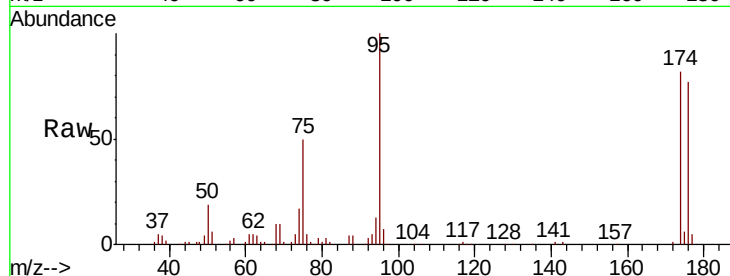
Tot Ion: 95 Resp: 115847

Ion Ratio Lower Upper

95 100

174 80.5 0.0 158.6

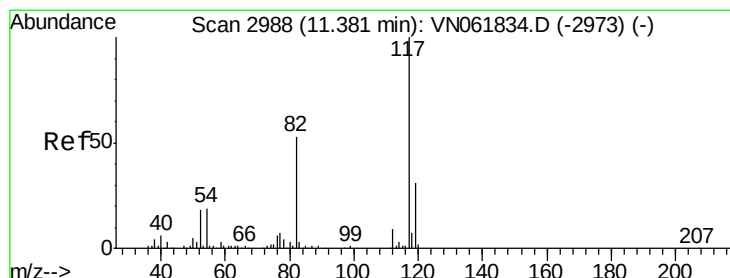
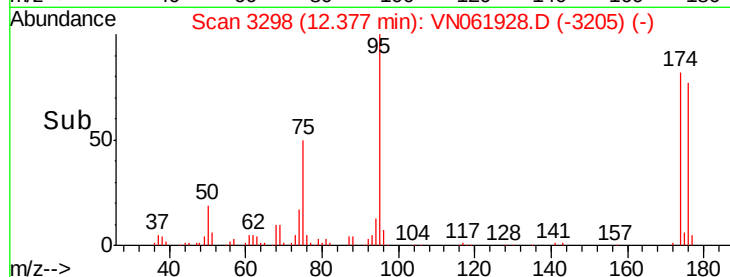
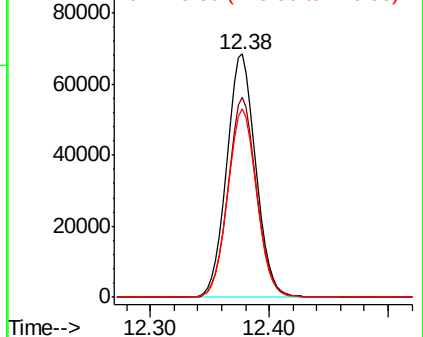
176 77.2 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

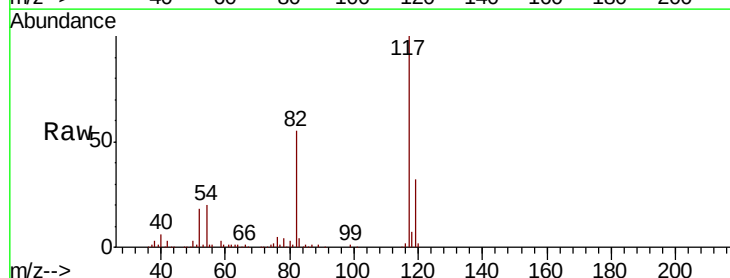
Tgt Ion: 117 Resp: 272921

Ion Ratio Lower Upper

117 100

82 55.0 42.6 64.0

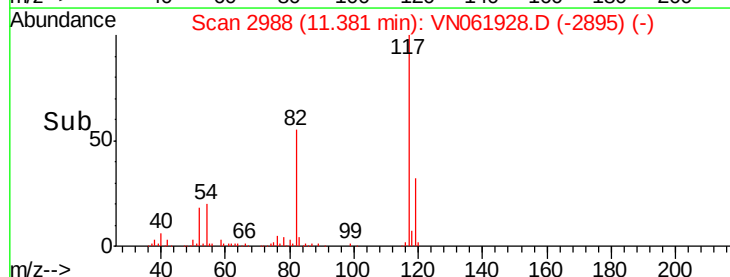
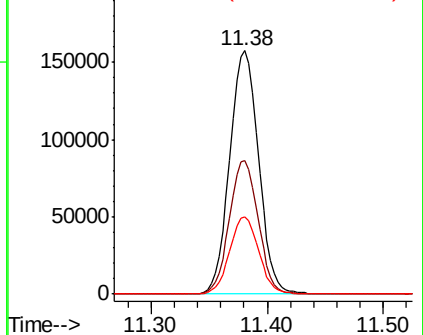
119 31.6 24.7 37.1

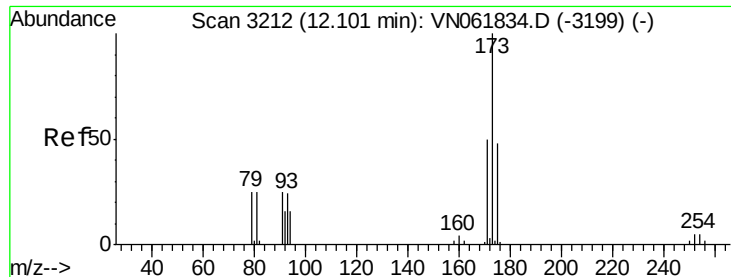


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#71

Bromoform

Concen: 0.292 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#05

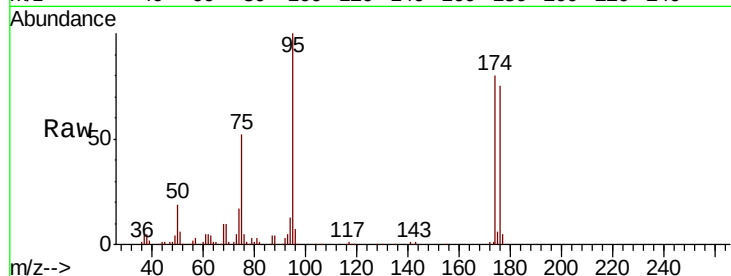
Tot Ion:173 Resp: 427

Ion Ratio Lower Upper

173 100

175 1397.9 23.9 71.7#

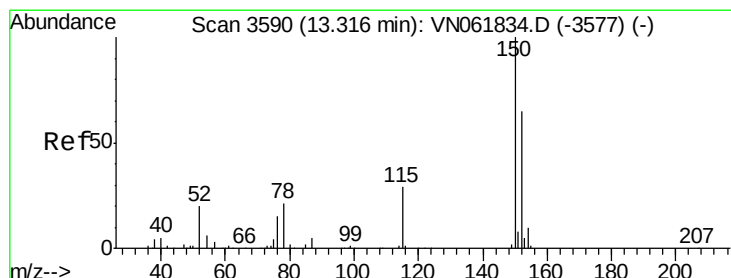
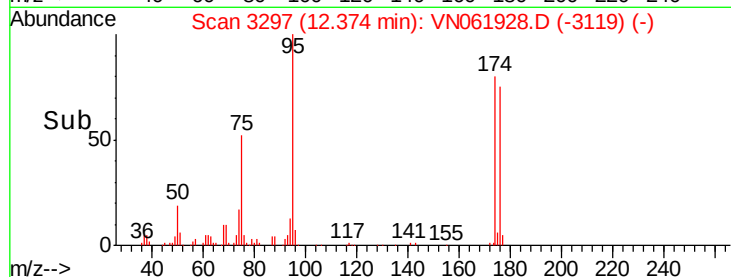
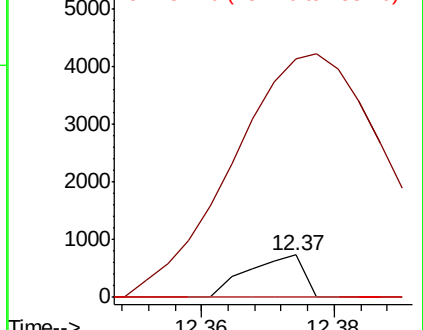
254 0.0 0.0 0.0



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: VN061928.D

Acq: 19 Jun 2020 3:41

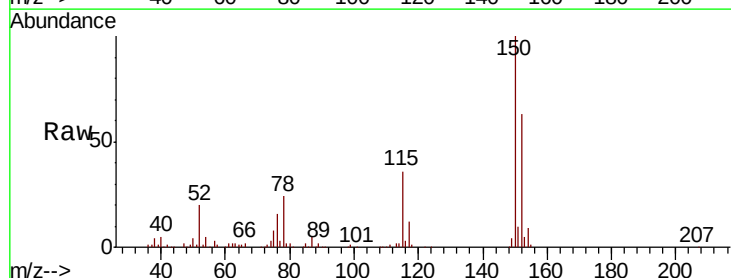
Tgt Ion:152 Resp: 107020

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

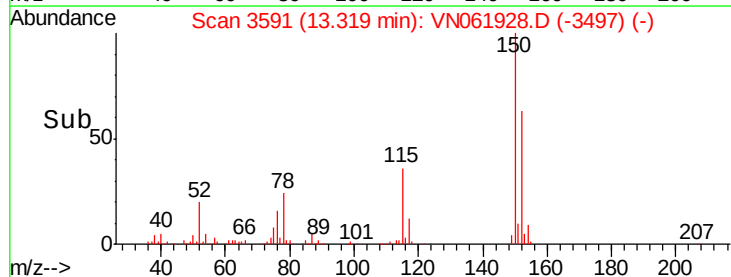
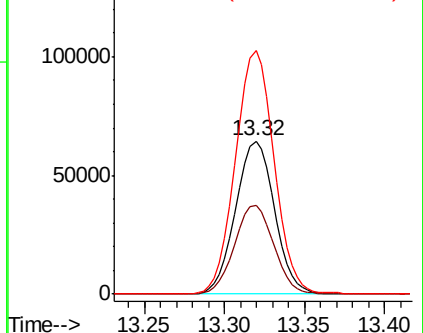
150 158.5 0.0 347.6

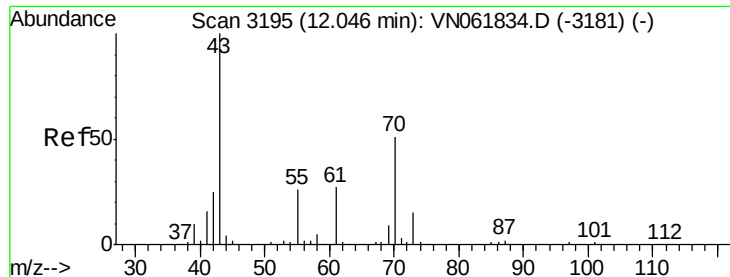


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.376 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061928.D

Acq: 19 Jun 2020 3:41

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#05

Tot Ion: 43 Resp: 915

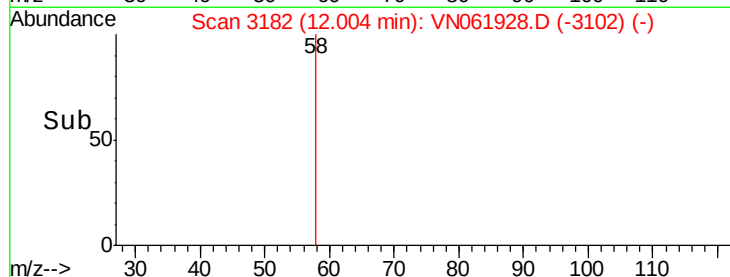
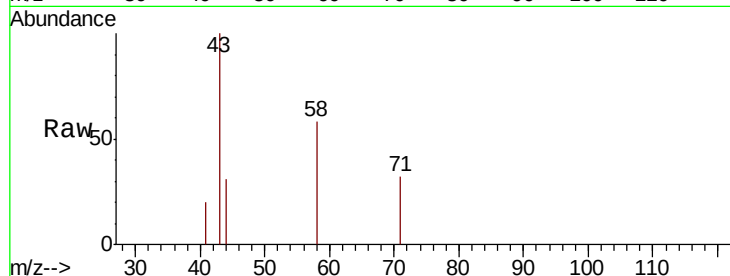
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

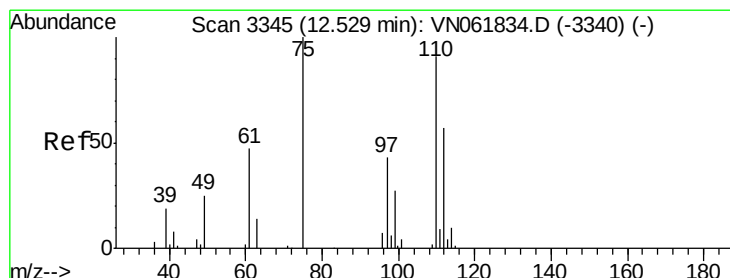
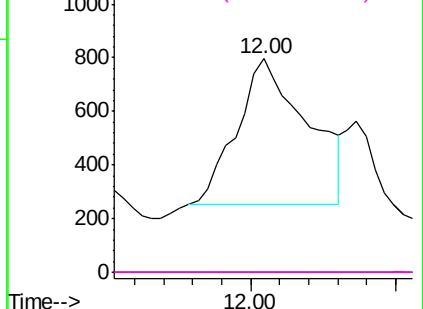


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.790 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061928.D

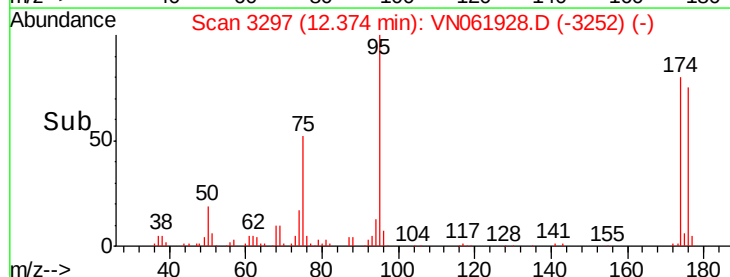
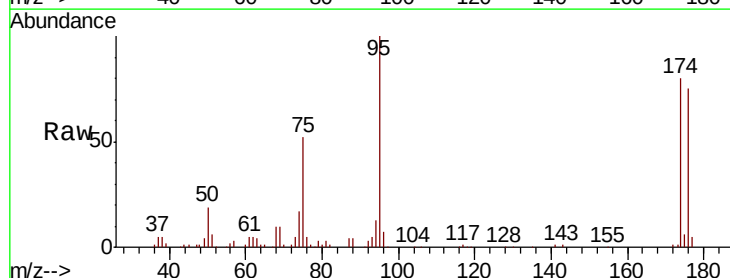
Acq: 19 Jun 2020 3:41

Tgt Ion: 75 Resp: 58388

Ion Ratio Lower Upper

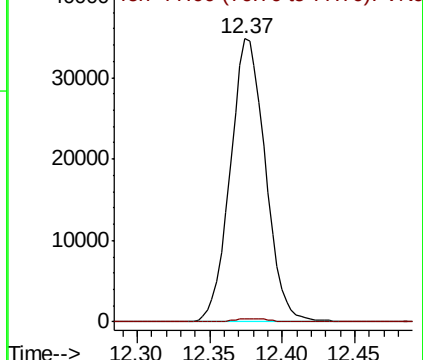
75 100

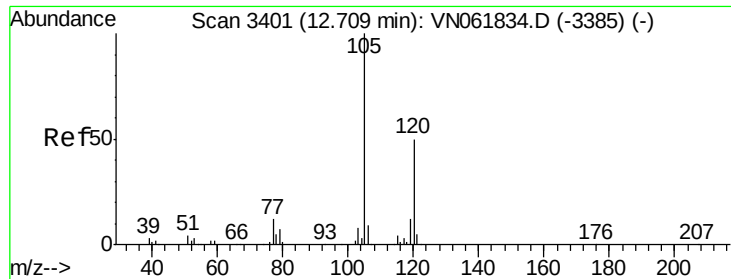
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

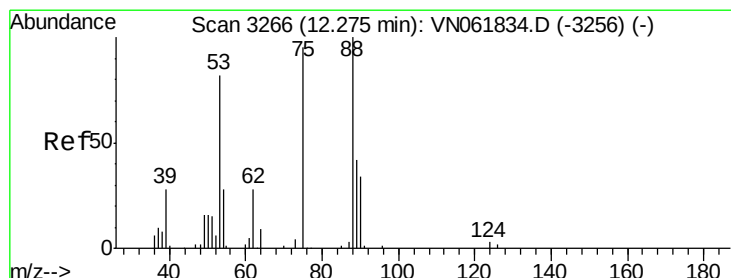
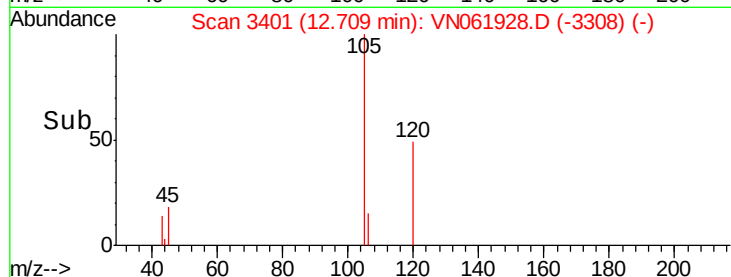
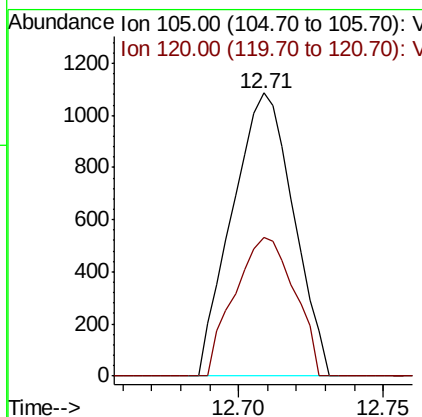
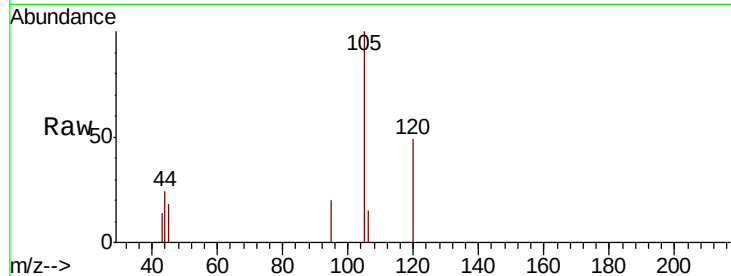




#80
 1,3,5-Trimethylbenzene
 Concen: 0.253 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#05

Tot Ion:105 Resp: 1593
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.794 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061928.D
 Acq: 19 Jun 2020 3:41

Tgt Ion: 75 Resp: 58388
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

