

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061934.D
 Acq On : 19 Jun 2020 6:06
 Operator : JC/MD
 Sample : PB129596ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#11

Quant Time: Jun 19 07:35:43 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

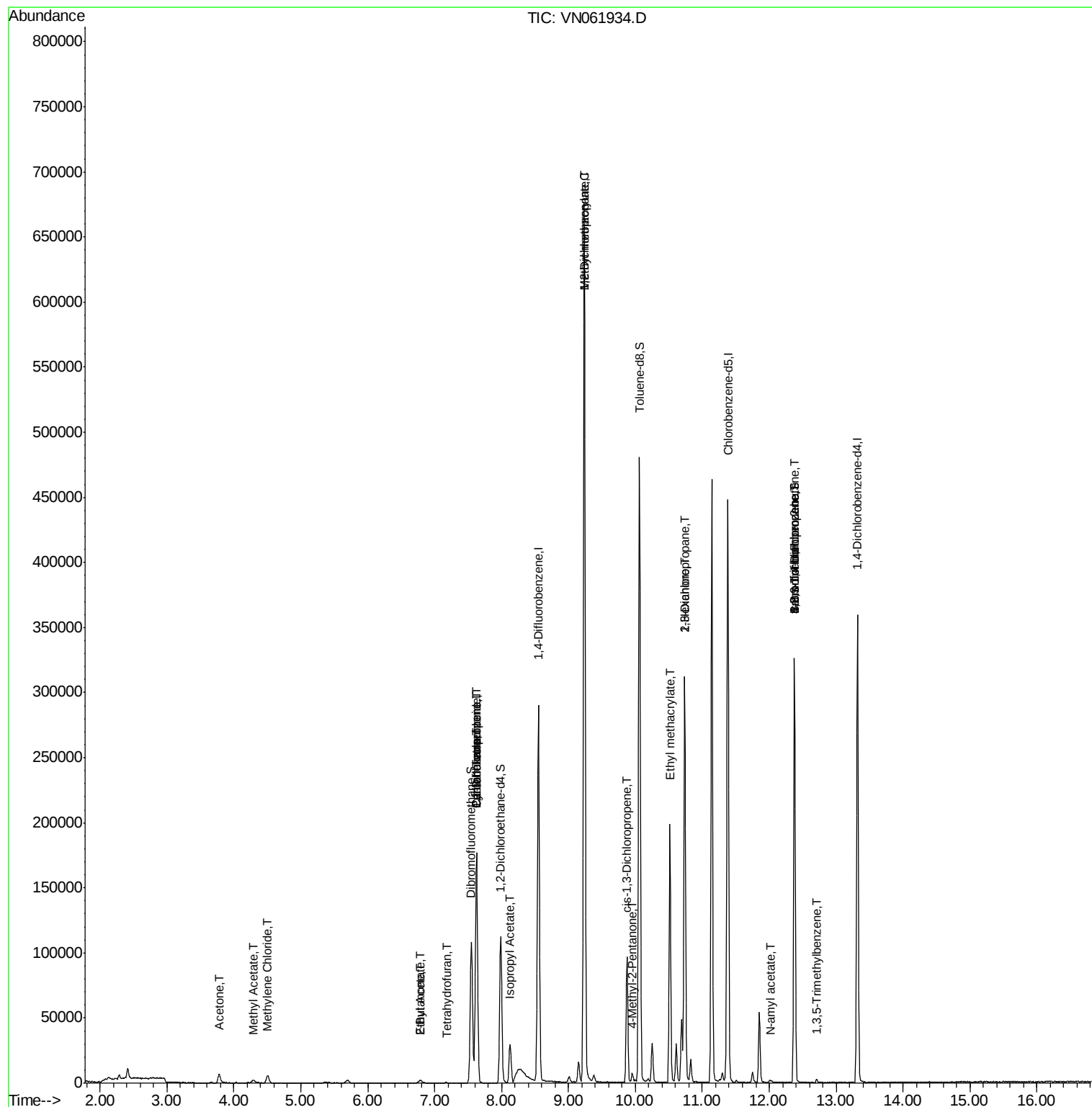
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	266835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	267862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	100747	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	95118	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
35) Dibromofluoromethane	7.55	113	84632	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.16%	
50) Toluene-d8	10.06	98	340174	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.38	95	112987	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	10837	19.611	ug/l	92
18) Methyl Acetate	4.28	43	4241	2.666	ug/l	91
20) Methylene Chloride	4.51	84	4543	2.523	ug/l	87
25) 2-Butanone	6.79	43	1044	1.295	ug/l	99
29) Tetrahydrofuran	7.18	42	562	1.059	ug/l #	26
31) Cyclohexane	7.62	56	3360	1.363	ug/l #	43
36) 1,1-Dichloropropene	7.63	75	10920	4.487	ug/l #	48
37) Ethyl Acetate	6.79	43	1044	0.549	ug/l #	65
38) Carbon Tetrachloride	7.63	117	13932	5.780	ug/l #	17
43) Isopropyl Acetate	8.13	43	33471	10.450	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	818	0.451	ug/l #	43
48) Methyl methacrylate	9.24	41	63542	43.624	ug/l #	33
51) 4-Methyl-2-Pentanone	9.95	43	4069	2.150	ug/l	96
54) cis-1,3-Dichloropropene	9.88	75	18330	6.085	ug/l #	66
56) Ethyl methacrylate	10.52	69	807	3.176	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3550	1.150	ug/l #	42
59) 2-Hexanone	10.74	43	40298	38.628	ug/l #	49
71) Bromoform	12.37	173	334	0.232	ug/l #	29
74) N-amyl acetate	12.01	43	1045	3.443	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	56702	28.668	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2108	0.356	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.37	75	56702	78.188	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: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

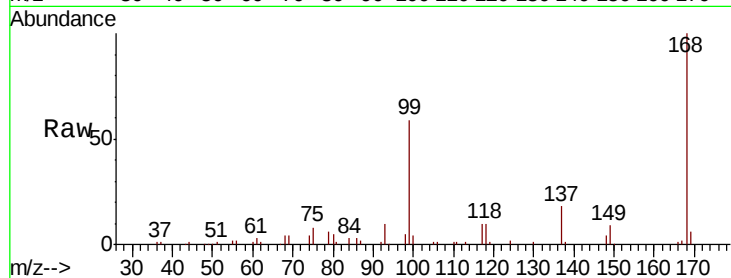
PB129596ZHE#11

Tot Ion:168 Resp: 139490

Ion Ratio Lower Upper

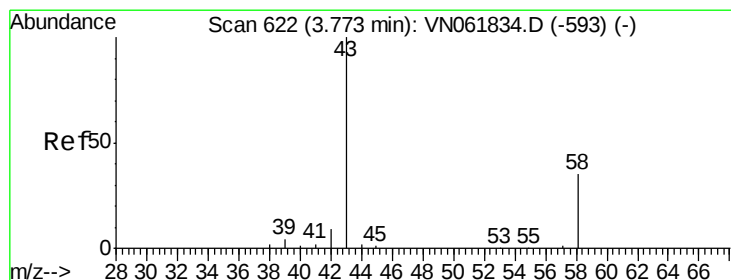
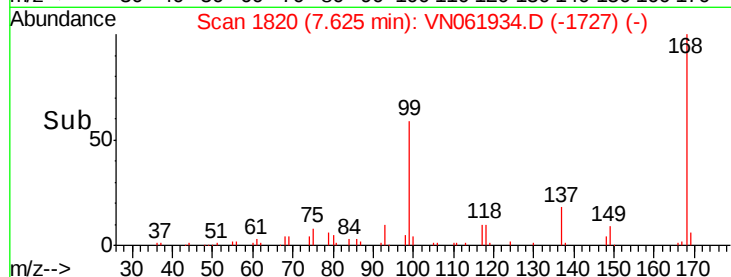
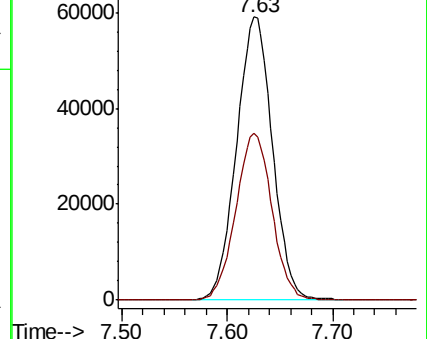
168 100

99 59.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 19.611 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061934.D

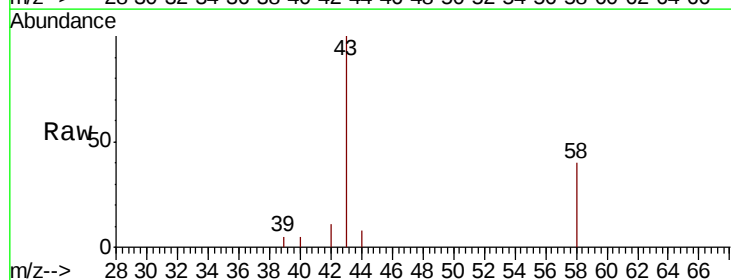
Acq: 19 Jun 2020 6:06

Tgt Ion: 43 Resp: 10837

Ion Ratio Lower Upper

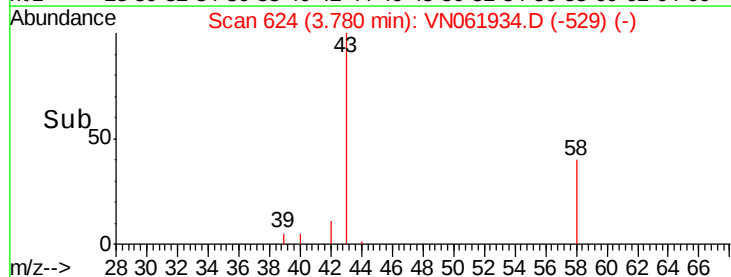
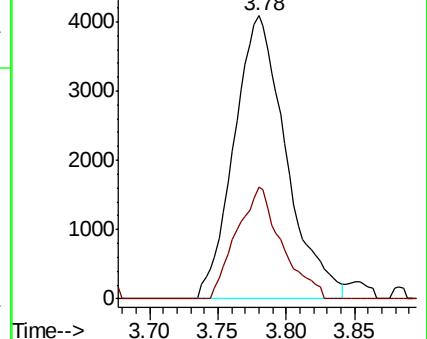
43 100

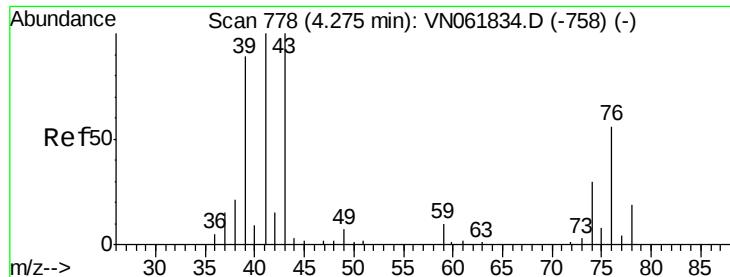
58 39.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

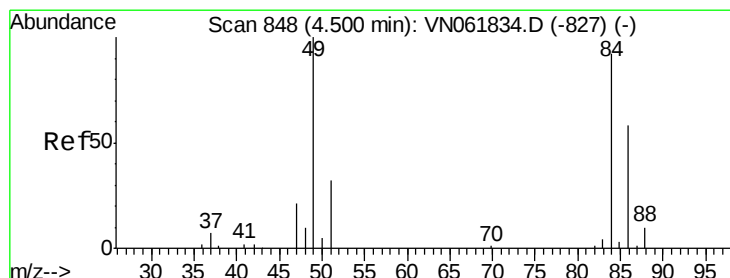
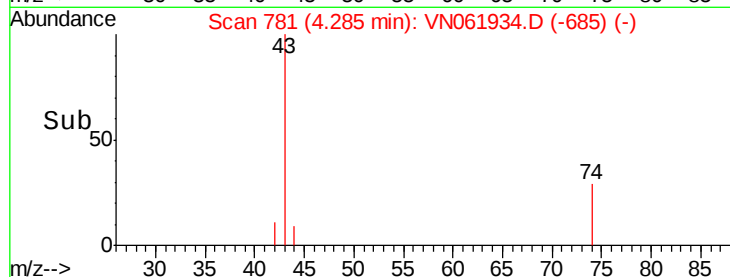
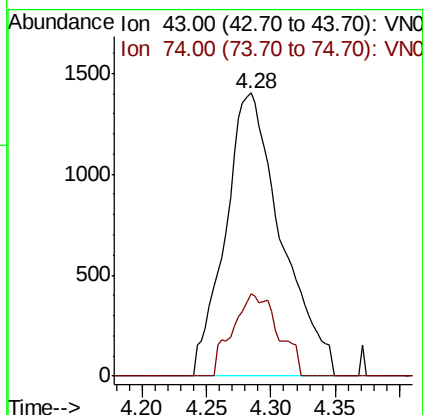
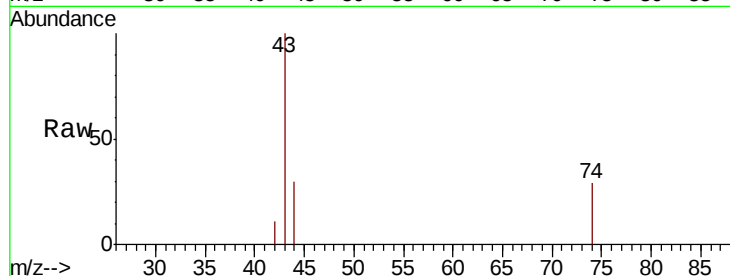




#18
Methyl Acetate
Concen: 2.666 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061934.D
Acq: 19 Jun 2020 6:06

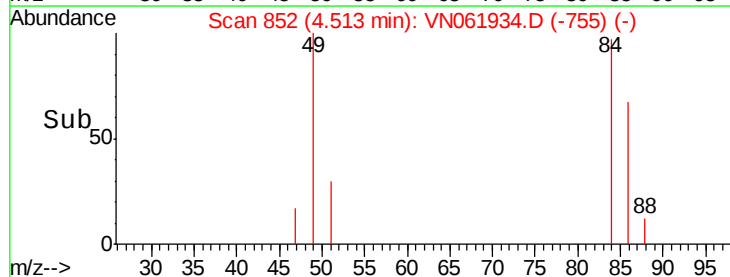
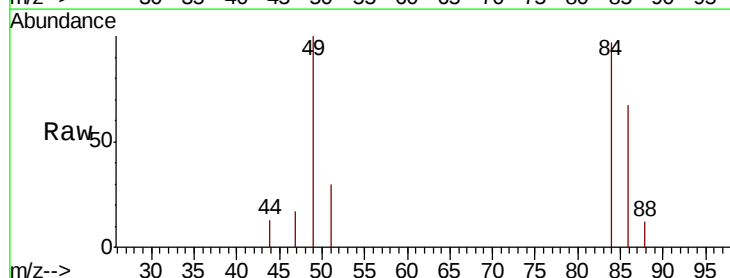
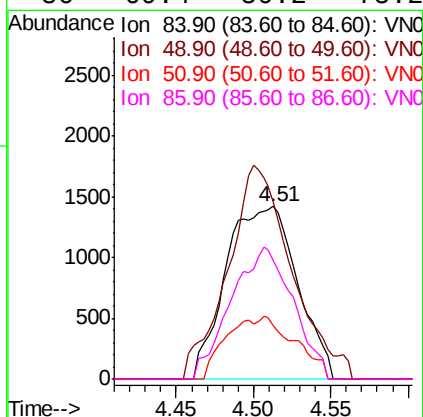
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#11

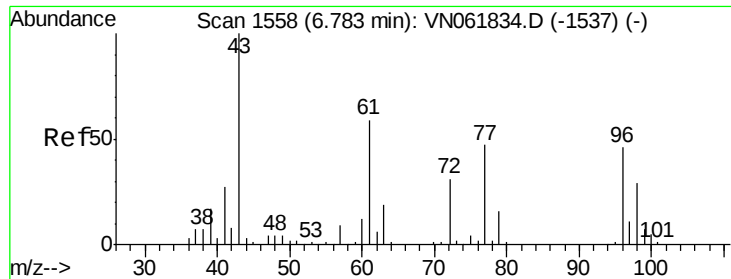
Tot Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
74 23.8 23.0 34.4



#20
Methylene Chloride
Concen: 2.523 ug/l
RT: 4.51 min Scan# 852
Delta R.T. 0.01 min
Lab File: VN061934.D
Acq: 19 Jun 2020 6:06

Tgt Ion: 84 Resp: 4543
Ion Ratio Lower Upper
84 100
49 89.8 87.0 130.4
51 31.1 27.8 41.6
86 69.4 50.2 75.2





#25

2-Butanone

Concen: 1.295 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

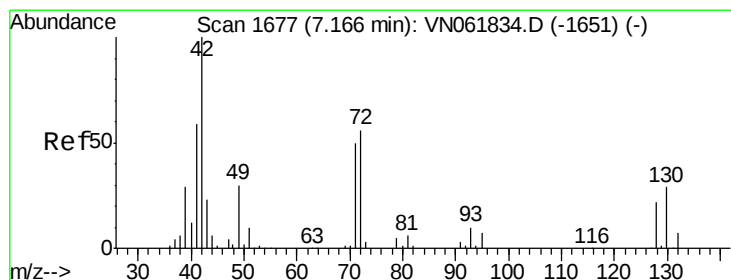
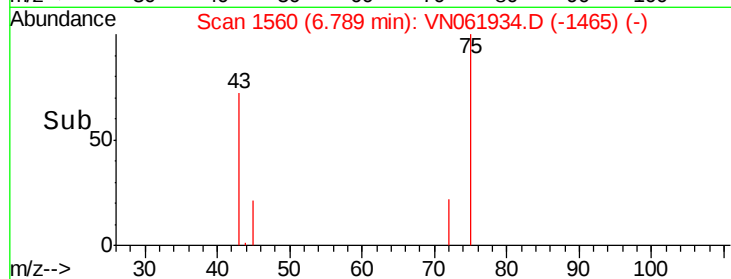
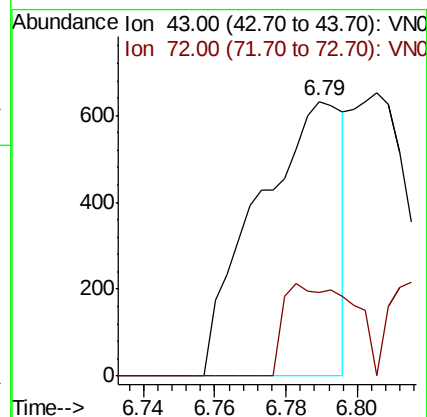
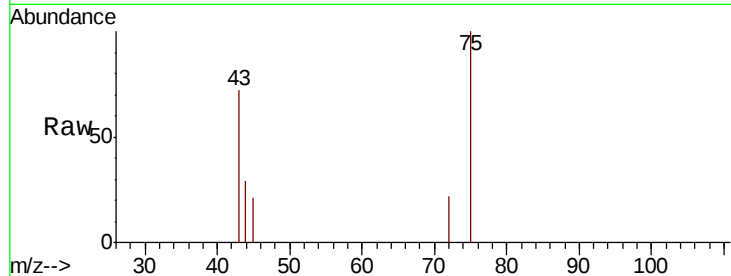
PB129596ZHE#11

Tot Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

72 30.3 24.6 37.0



#29

Tetrahydrofuran

Concen: 1.059 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

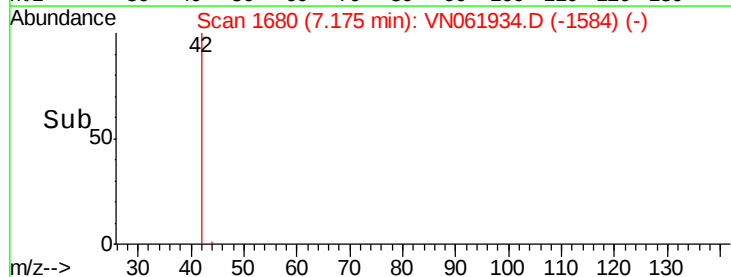
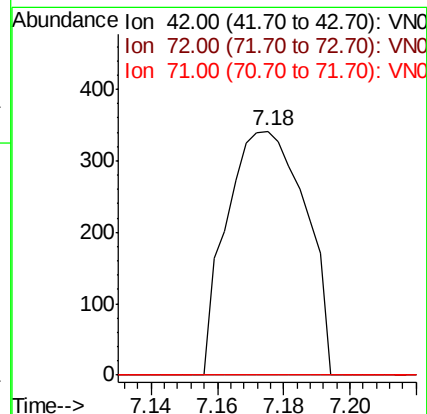
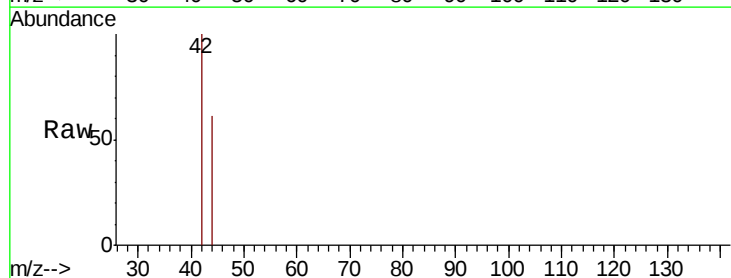
Tgt Ion: 42 Resp: 562

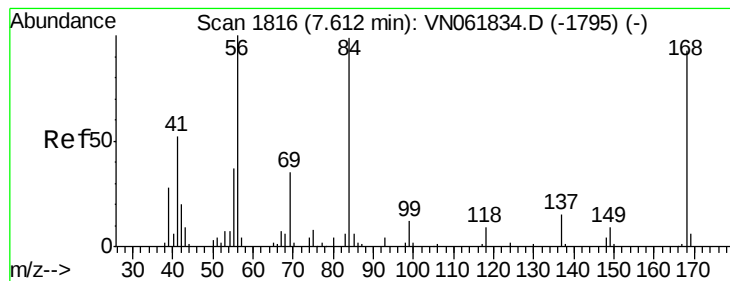
Ion Ratio Lower Upper

42 100

72 0.0 44.0 66.0#

71 0.0 40.0 60.0#





#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#11

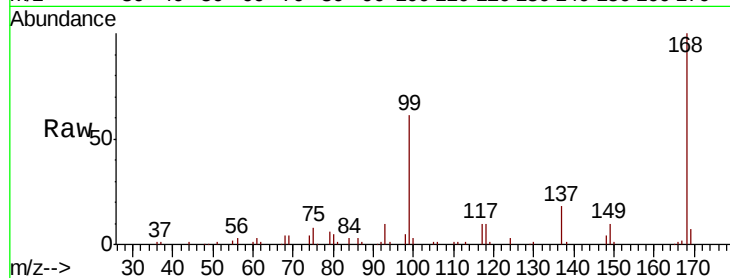
Tot Ion: 56 Resp: 3360

Ion Ratio Lower Upper

56 100

69 140.7 27.7 41.5#

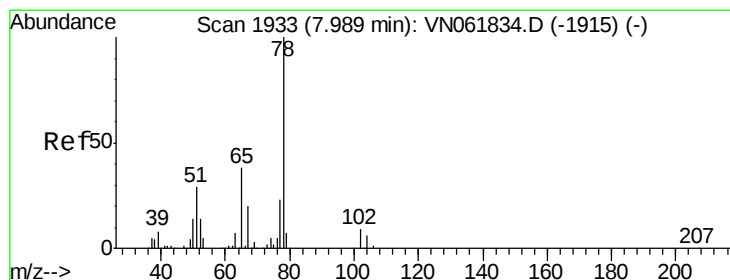
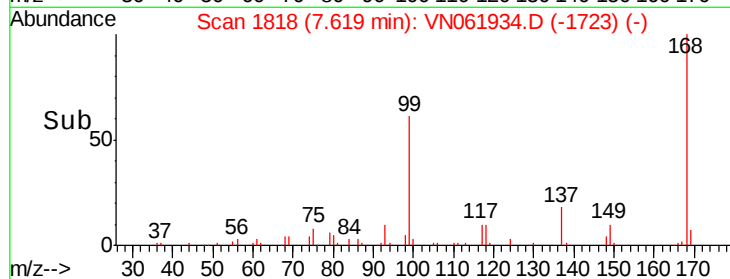
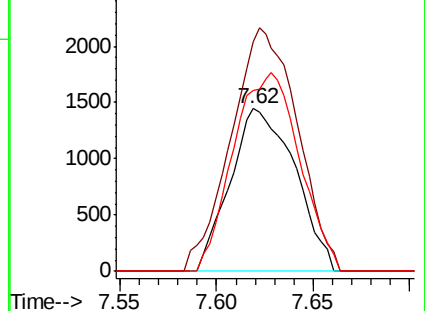
84 111.5 79.1 118.7



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: 50.844 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061934.D

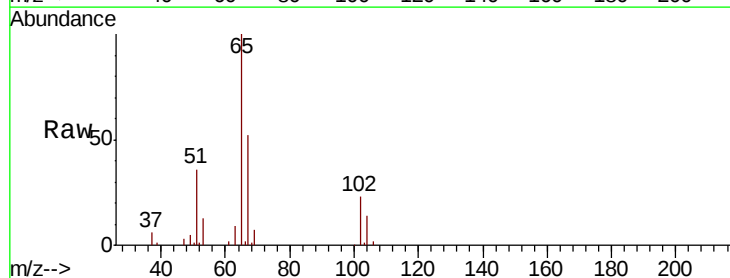
Acq: 19 Jun 2020 6:06

Tgt Ion: 65 Resp: 95118

Ion Ratio Lower Upper

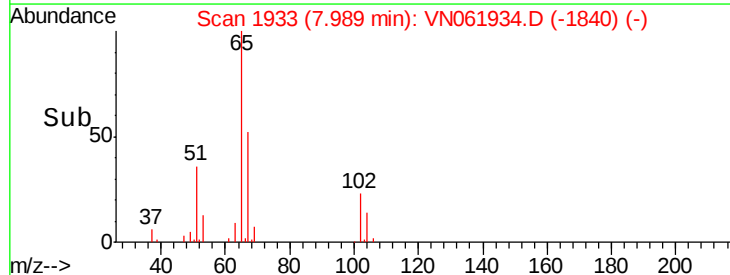
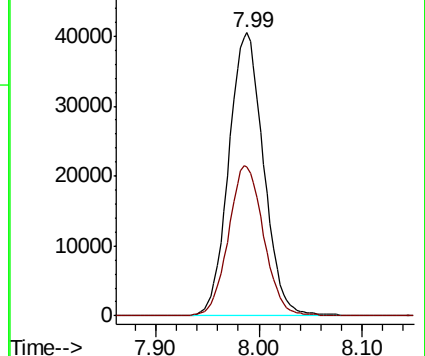
65 100

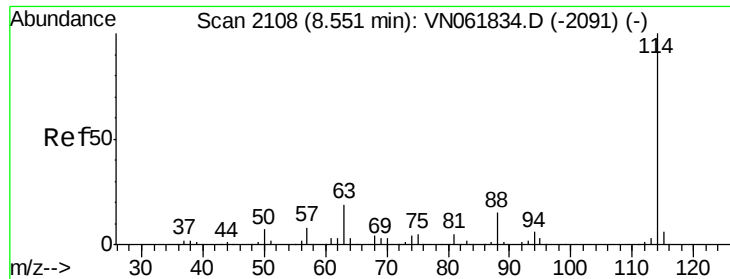
67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

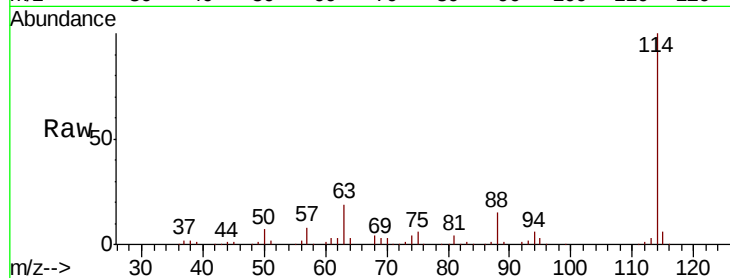




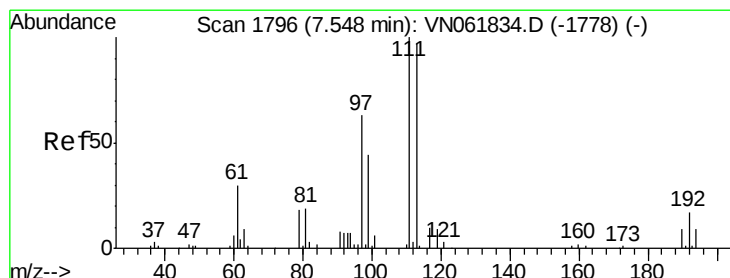
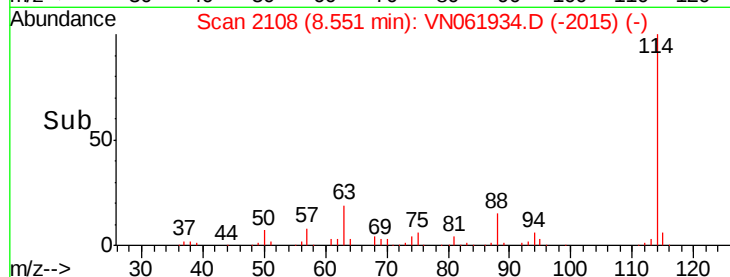
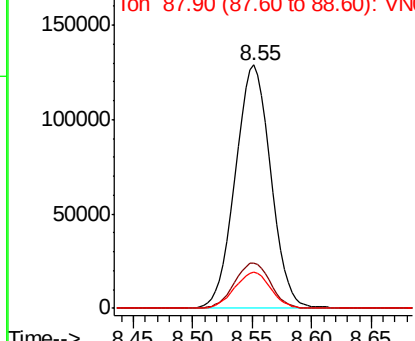
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061934.D
Acq: 19 Jun 2020 6:06

Instrument :
MSVOA_N
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PB129596ZHE#11

Tot Ion:114 Resp: 266835
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.6
88 14.9 0.0 31.0

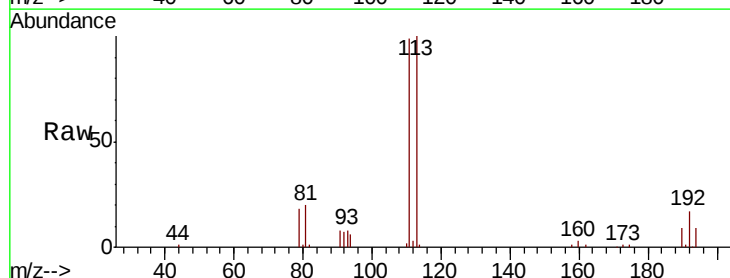


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

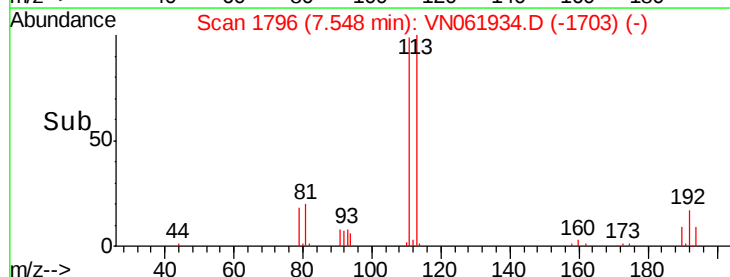
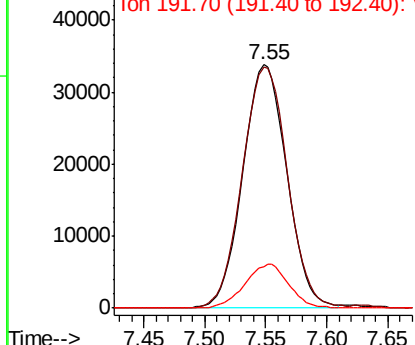


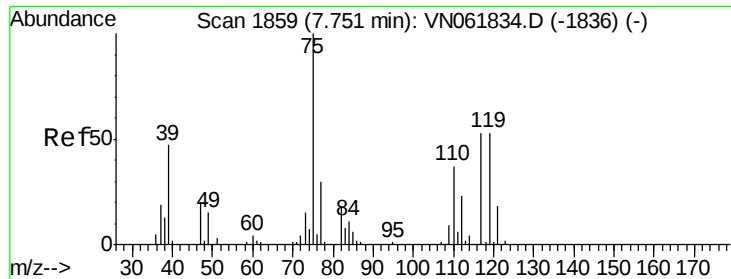
#35
Dibromofluoromethane
Concen: 49.577 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061934.D
Acq: 19 Jun 2020 6:06

Tgt Ion:113 Resp: 84632
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 17.8 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

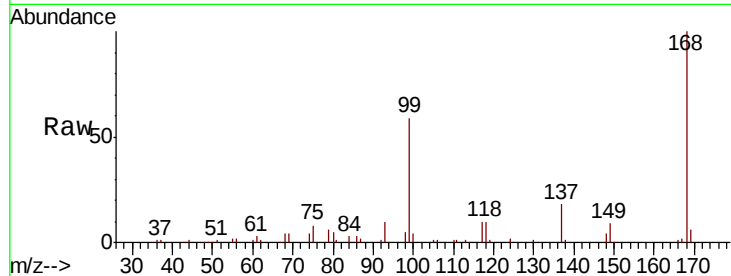




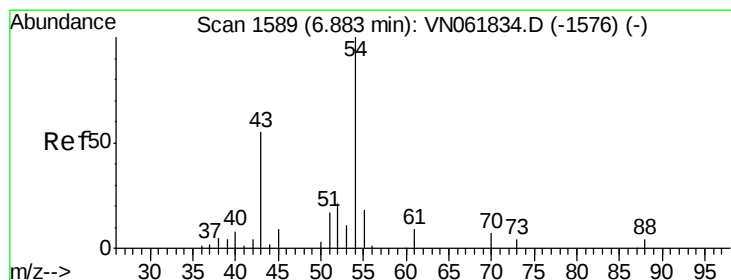
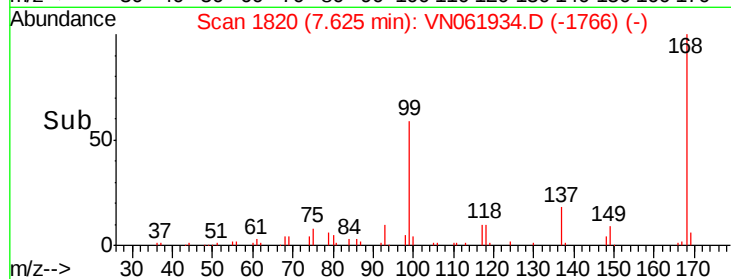
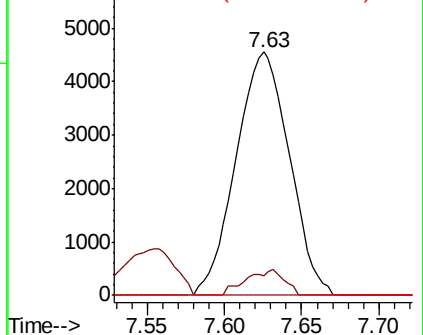
#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

Instrument :
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 PB129596ZHE#11

Tot Ion: 75 Resp: 10920
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.2 54.6#
 77 0.0 24.2 36.4#

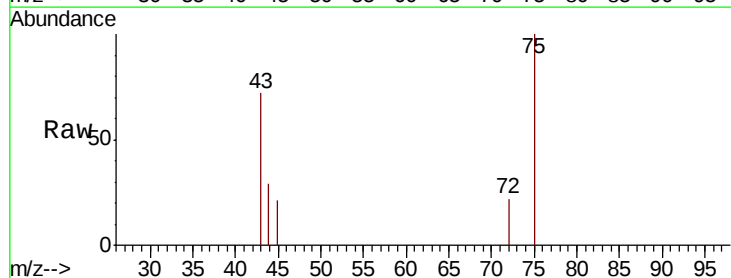


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

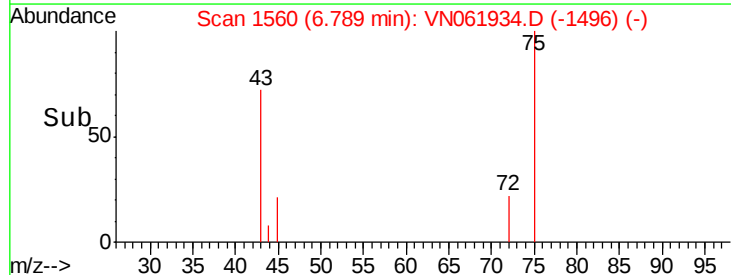
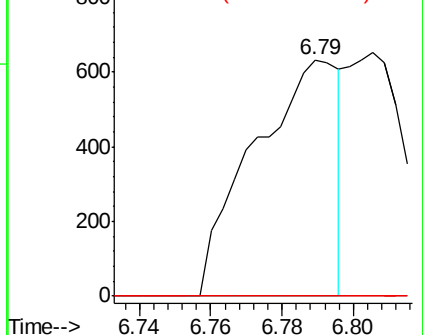


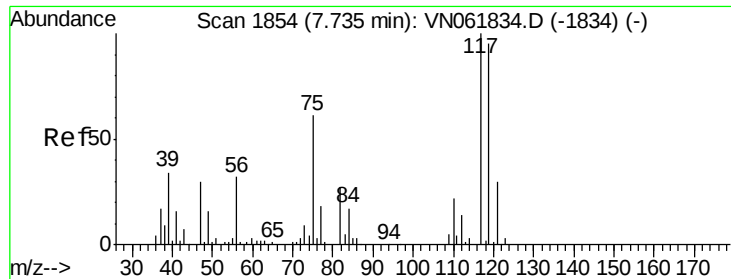
#37
 Ethyl Acetate
 Concen: 0.549 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.09 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

Tgt Ion: 43 Resp: 1044
 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

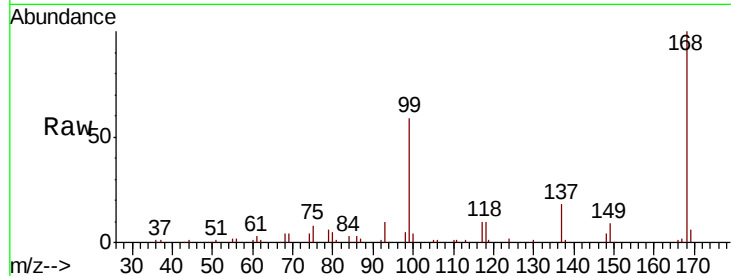




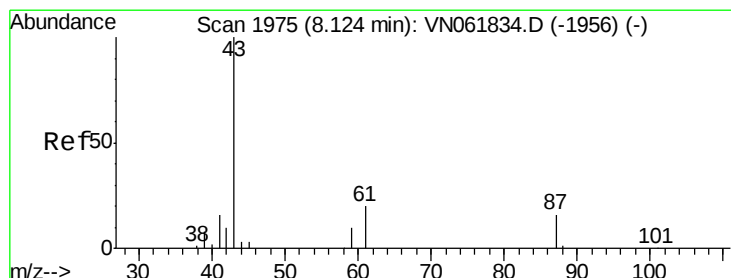
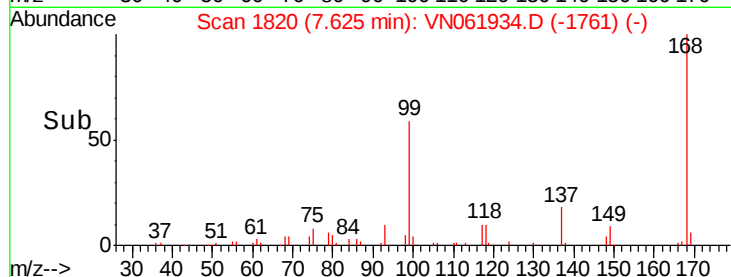
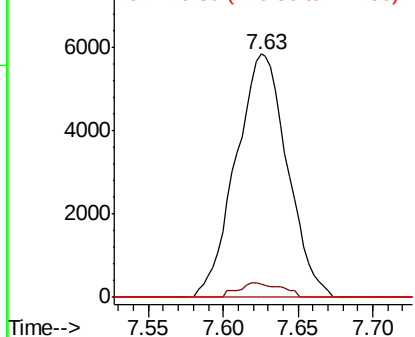
#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061934.D
Acq: 19 Jun 2020 6:06

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#11

Tot Ion:117 Resp: 13932
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 23.8 35.6#

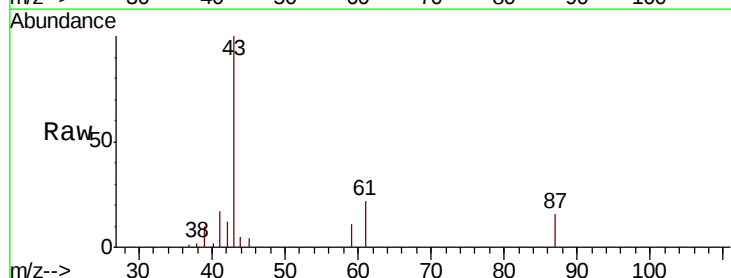


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

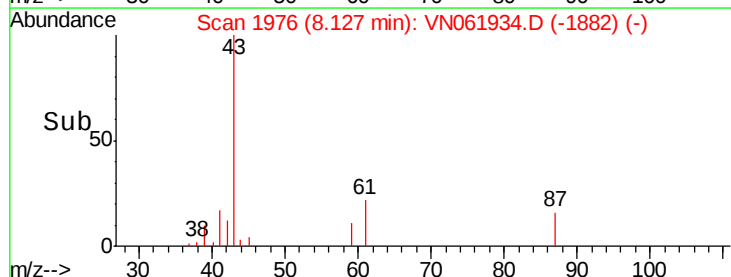
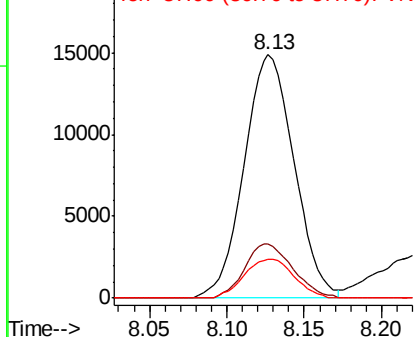


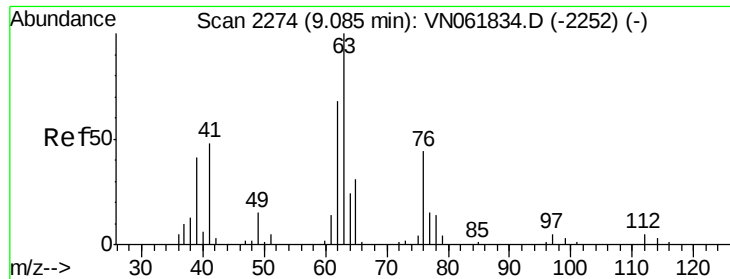
#43
Isopropyl Acetate
Concen: 10.450 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061934.D
Acq: 19 Jun 2020 6:06

Tgt Ion: 43 Resp: 33471
Ion Ratio Lower Upper
43 100
61 21.5 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

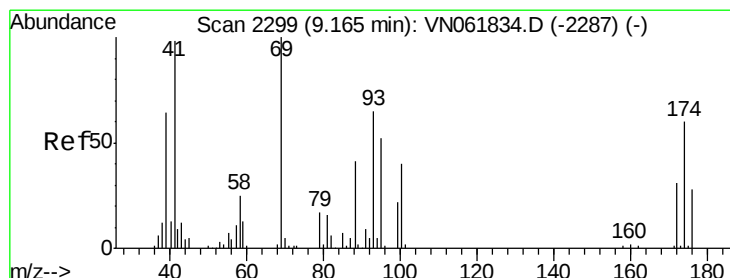
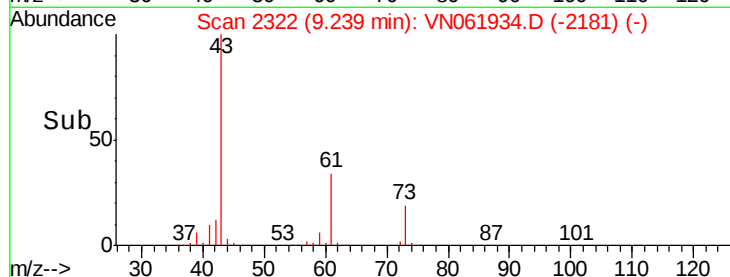
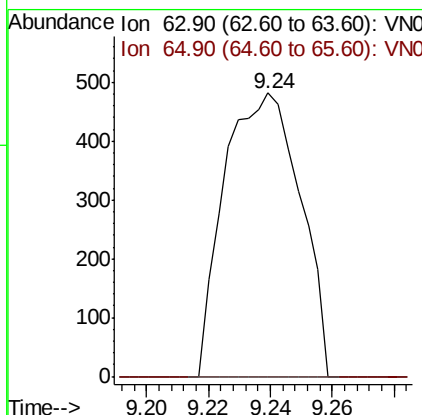
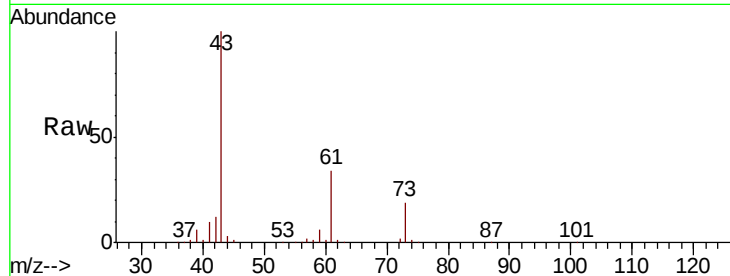




#45
 1,2-Dichloropropane
 Concen: 0.451 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

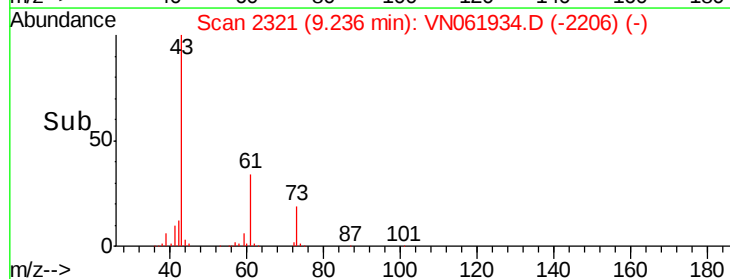
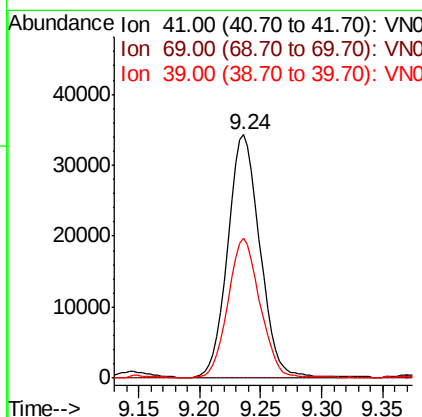
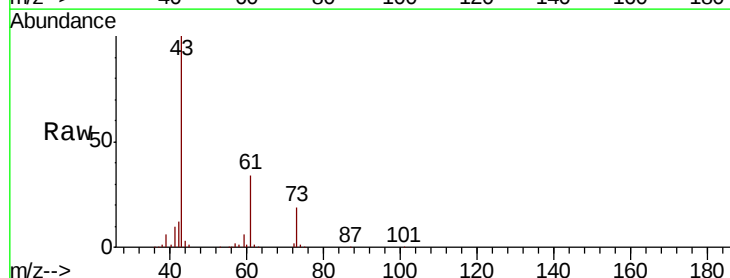
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#11

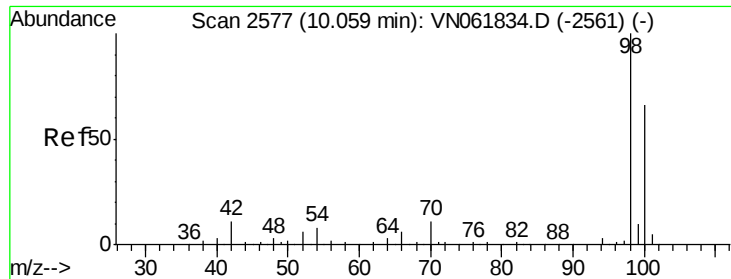
Tot Ion: 63 Resp: 818
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 43.624 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

Tgt Ion: 41 Resp: 63542
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 57.1 55.1 82.7





#50

Toluene-d8

Concen: 50.688 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

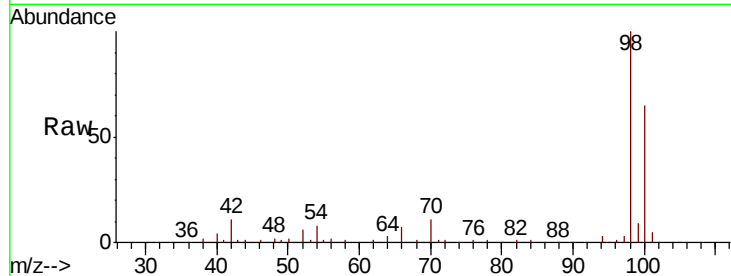
PB129596ZHE#11

Tot Ion: 98 Resp: 340174

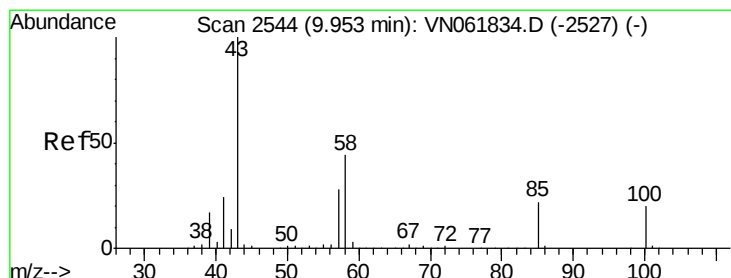
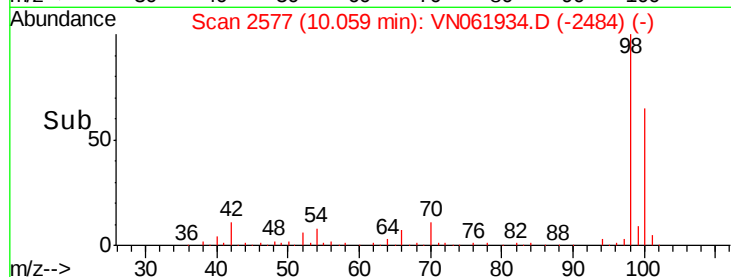
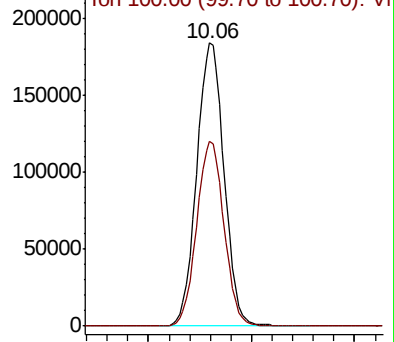
Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



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



#51

4-Methyl-2-Pentanone

Concen: 2.150 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061934.D

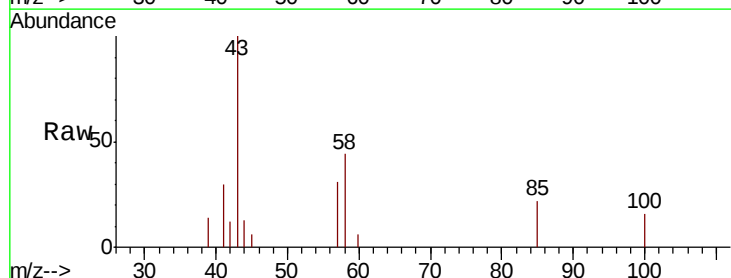
Acq: 19 Jun 2020 6:06

Tgt Ion: 43 Resp: 4069

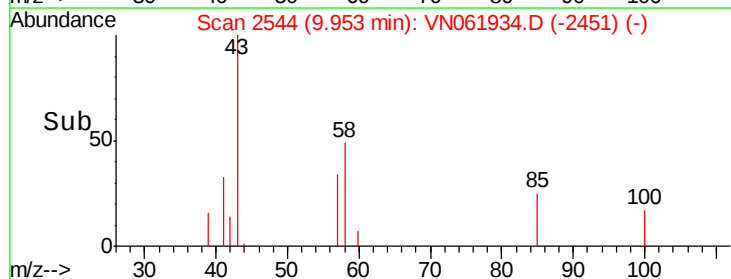
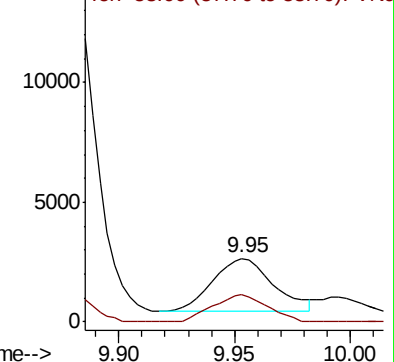
Ion Ratio Lower Upper

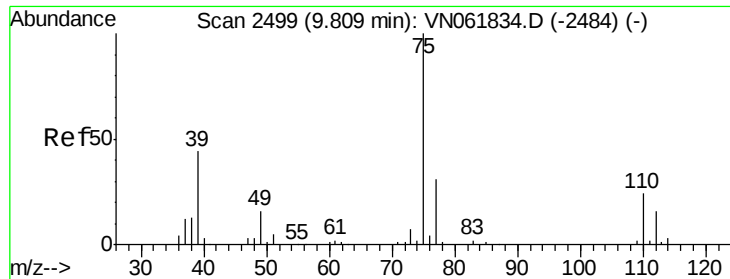
43 100

58 46.0 34.6 52.0



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

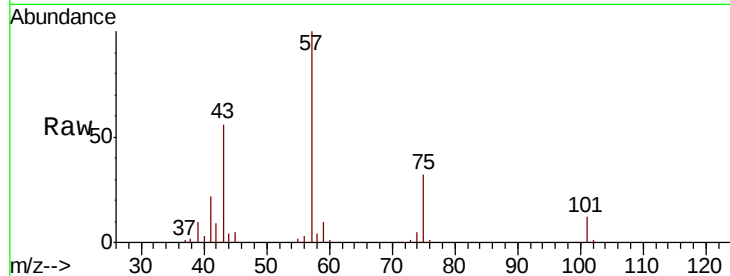




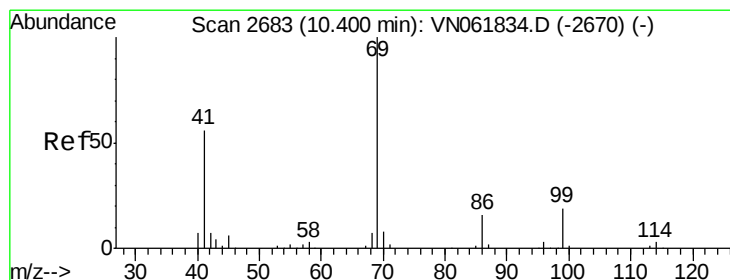
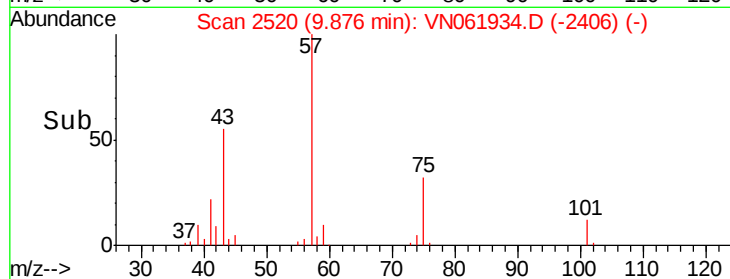
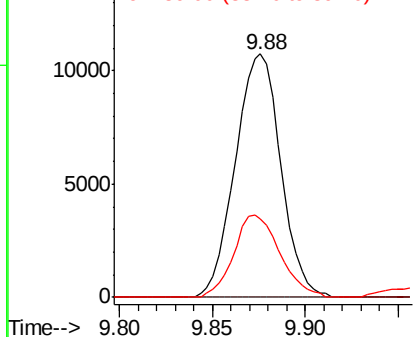
#54
 cis-1,3-Dichloropropene
 Concen: 6.085 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#11

Tot Ion: 75 Resp: 18330
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 32.0 35.4 53.0#

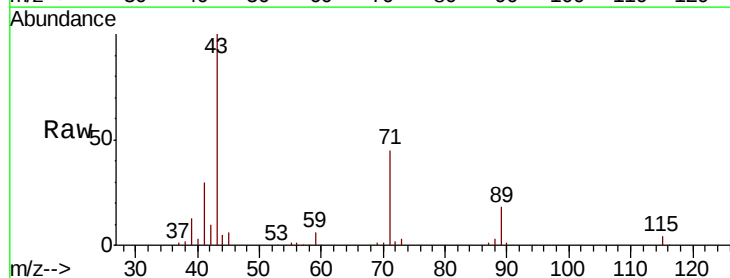


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

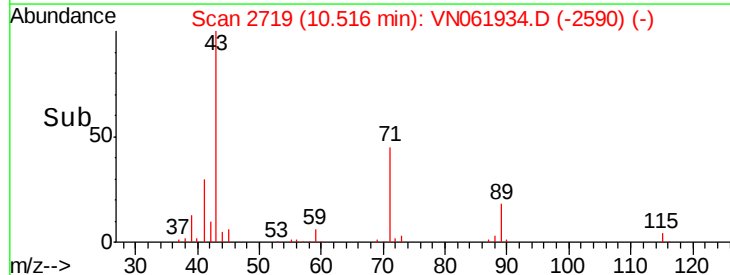
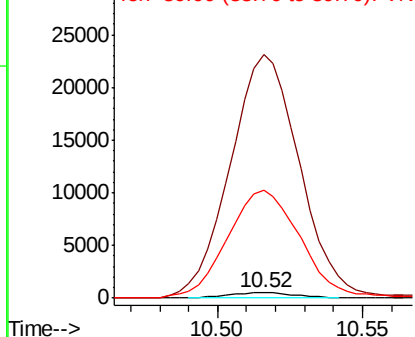


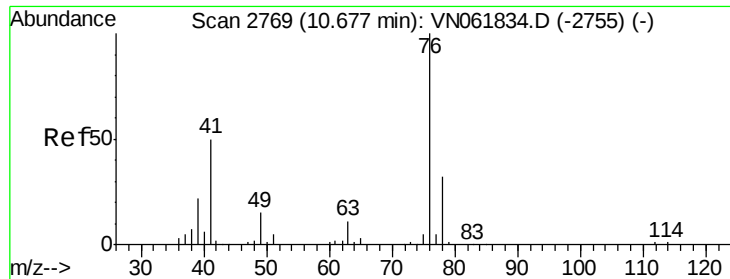
#56
 Ethyl methacrylate
 Concen: 3.176 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

Tgt Ion: 69 Resp: 807
 Ion Ratio Lower Upper
 69 100
 41 4780.9 44.9 67.3#
 39 2237.1 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

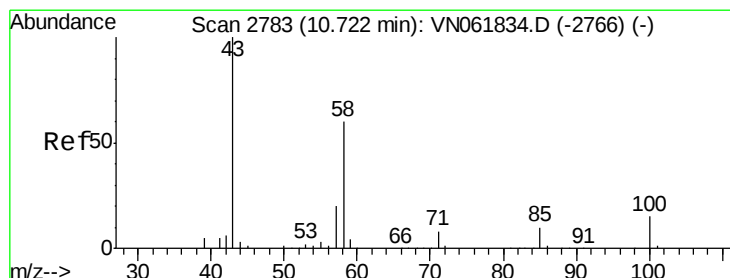
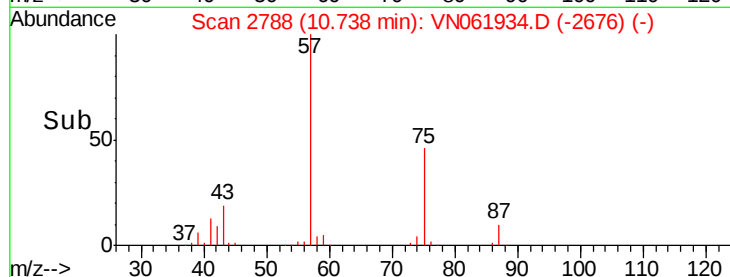
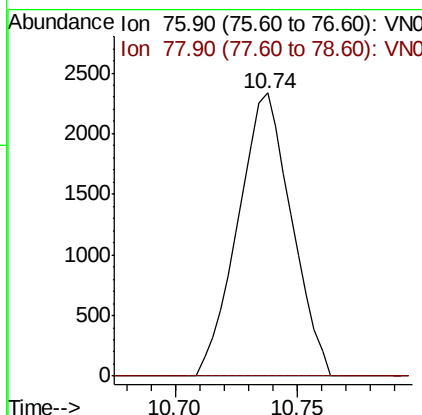
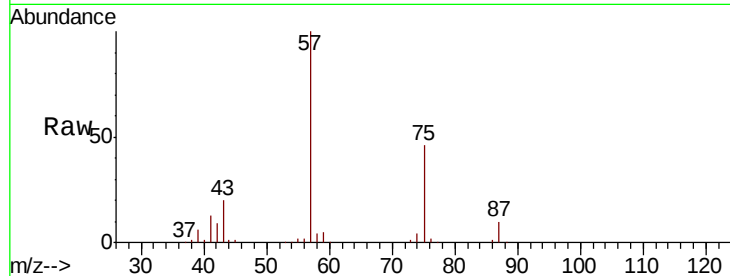




#57
 1,3-Dichloropropane
 Concen: 1.150 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

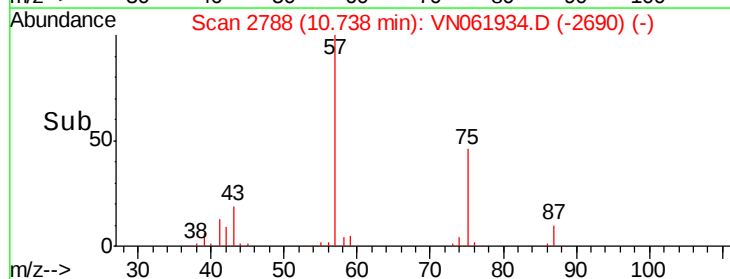
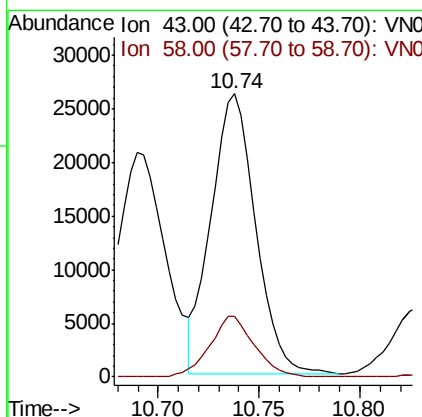
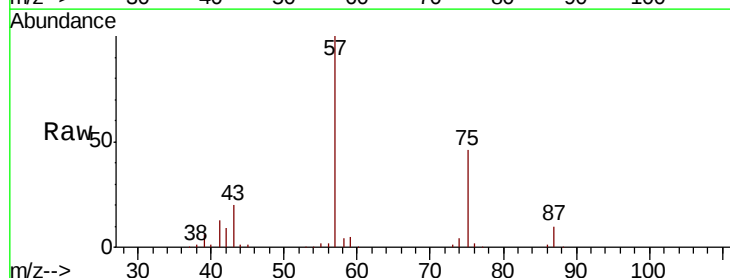
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#11

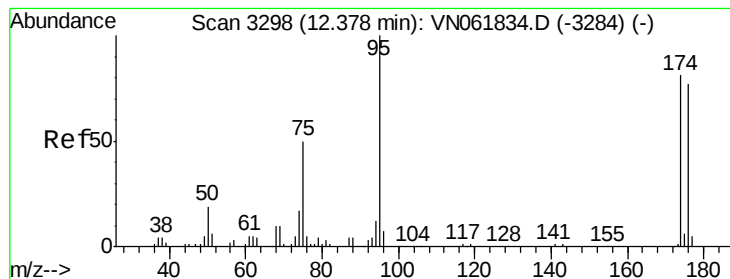
Tot Ion: 76 Resp: 3550
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 38.628 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061934.D
 Acq: 19 Jun 2020 6:06

Tgt Ion: 43 Resp: 40298
 Ion Ratio Lower Upper
 43 100
 58 21.5 30.1 90.5#





#62

4-Bromofluorobenzene

Concen: 49.081 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#11

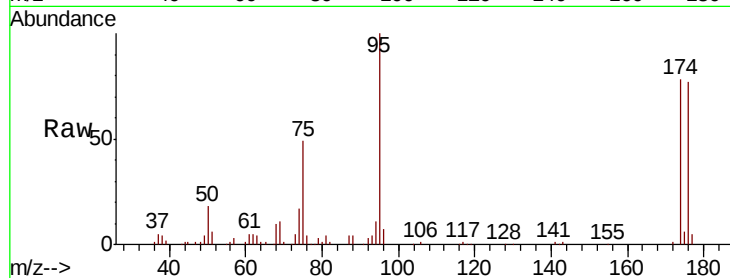
Tot Ion: 95 Resp: 112987

Ion Ratio Lower Upper

95 100

174 79.4 0.0 158.6

176 76.8 0.0 152.0



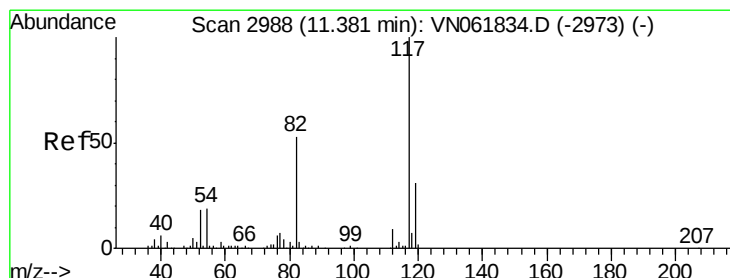
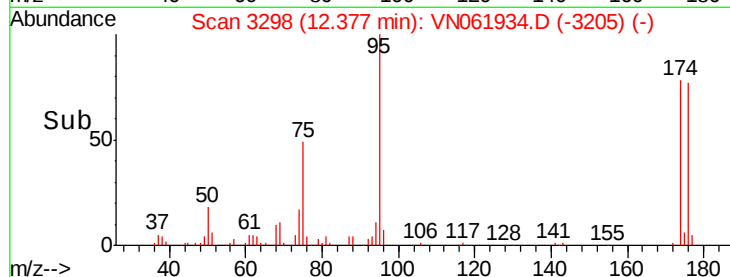
Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

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

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

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

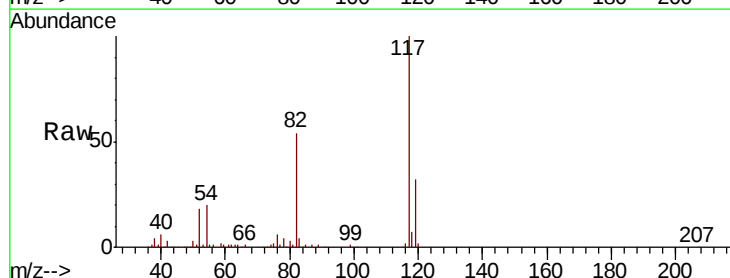
Tgt Ion: 117 Resp: 267862

Ion Ratio Lower Upper

117 100

82 54.2 42.6 64.0

119 31.7 24.7 37.1



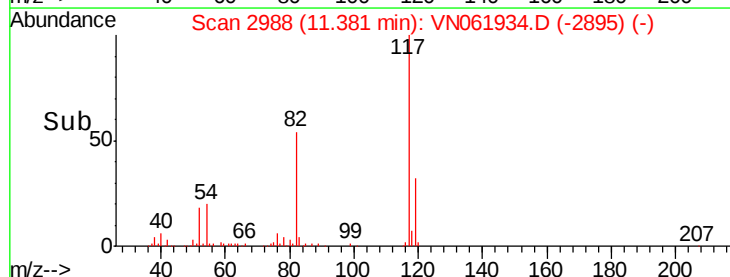
Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

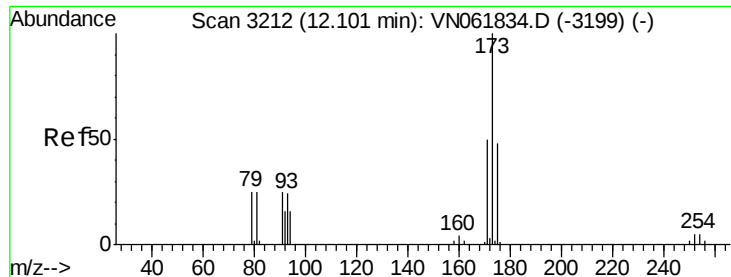
Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

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

11.38

Time-->





#71

Bromoform

Concen: 0.232 ug/l

RT: 12.37 min Scan# 3296

Delta R.T. 0.27 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#11

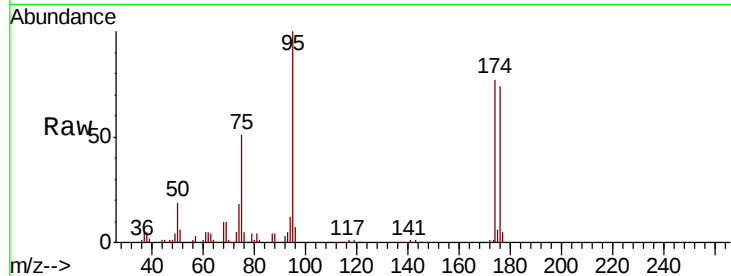
Tot Ion:173 Resp: 334

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

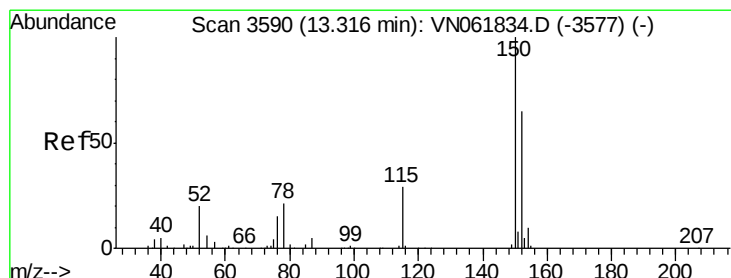
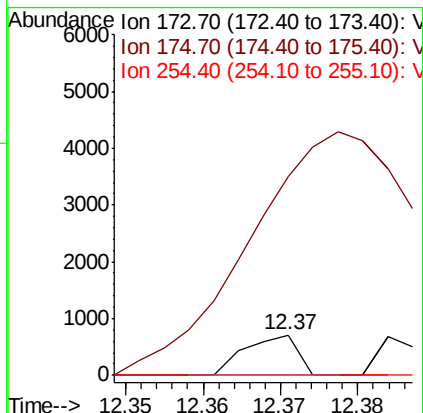
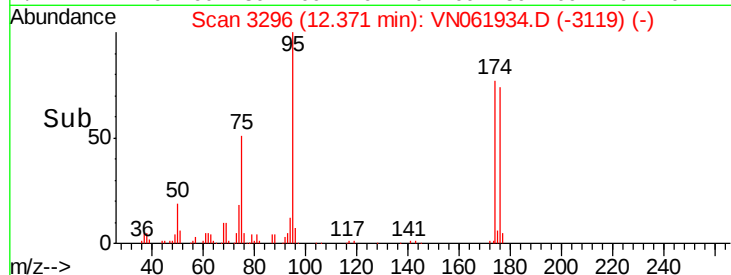
254 0.0 0.0 0.0



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: VN061934.D

Acq: 19 Jun 2020 6:06

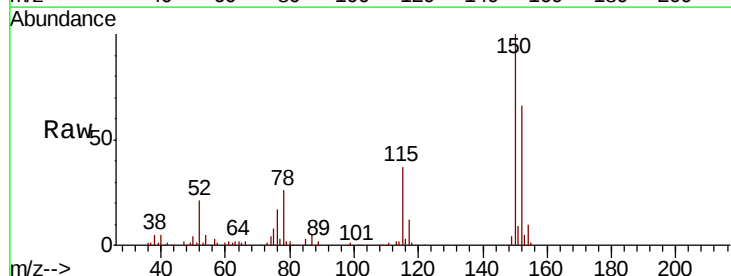
Tgt Ion:152 Resp: 100747

Ion Ratio Lower Upper

152 100

115 57.7 29.1 87.3

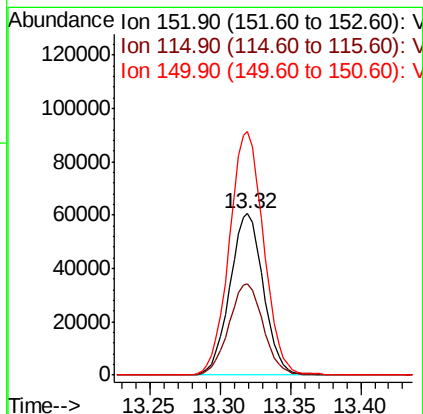
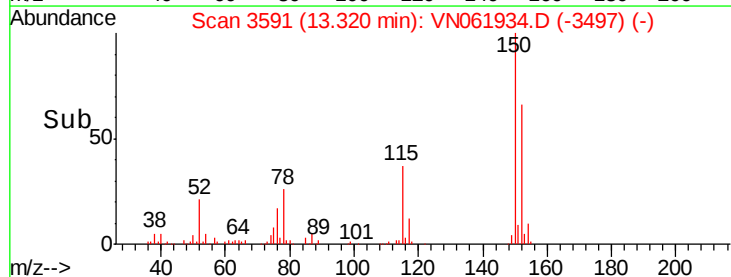
150 154.2 0.0 347.6

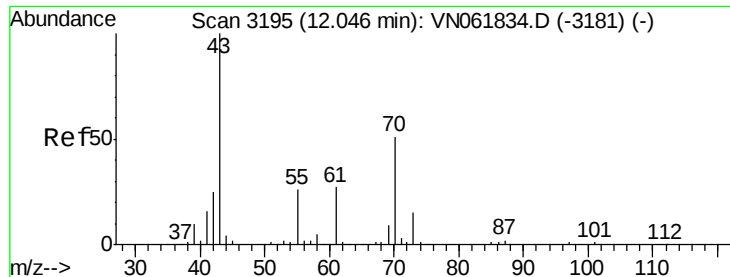


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.443 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#11

Tot Ion: 43 Resp: 1045

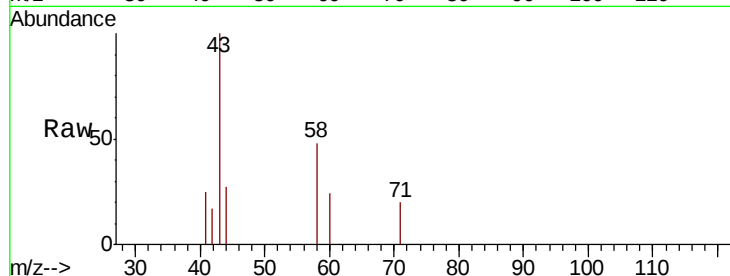
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

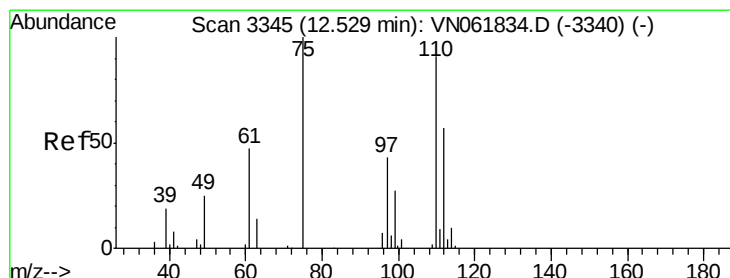
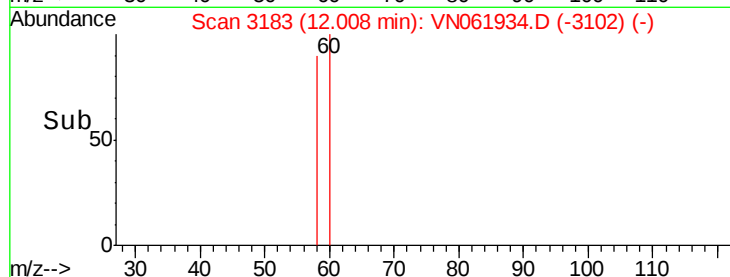
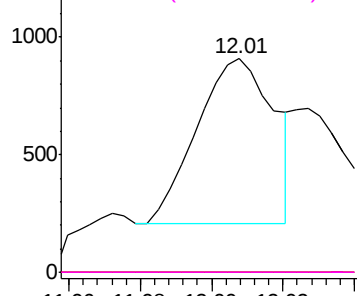


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.668 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061934.D

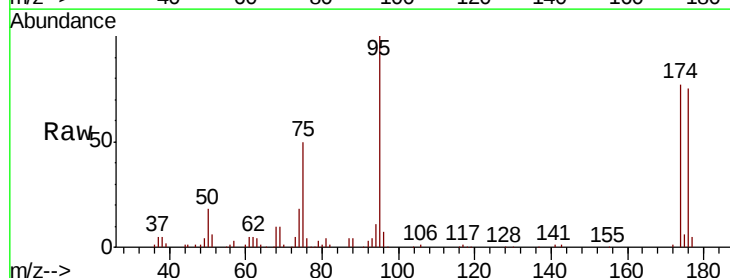
Acq: 19 Jun 2020 6:06

Tgt Ion: 75 Resp: 56702

Ion Ratio Lower Upper

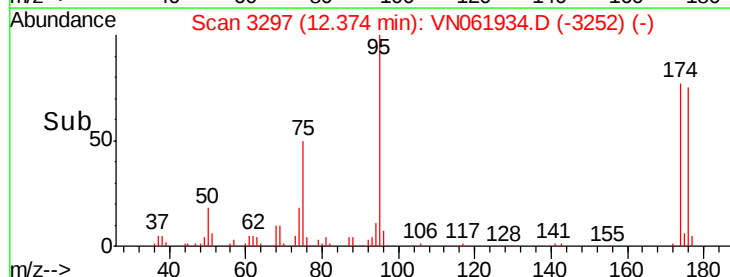
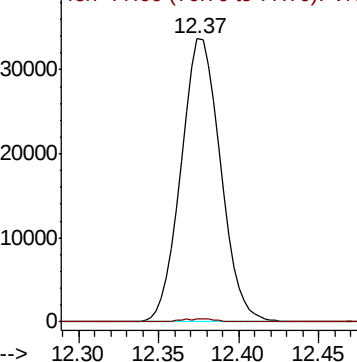
75 100

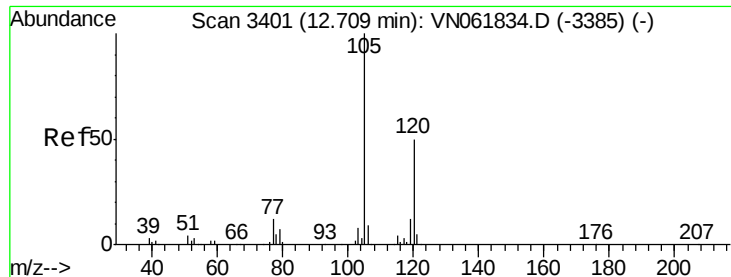
77 0.8 0.0 0.0#



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: 0.356 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

Instrument :

MSVOA_N

ClientSampleId :

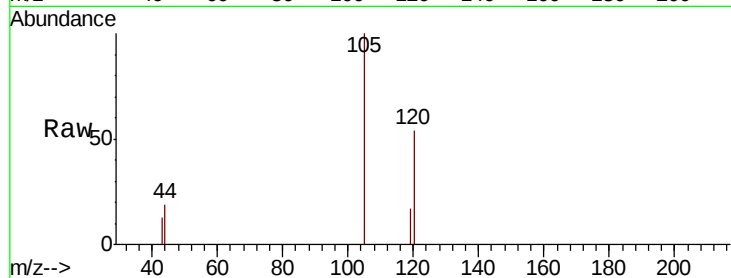
PB129596ZHE#11

Tot Ion:105 Resp: 2108

Ion Ratio Lower Upper

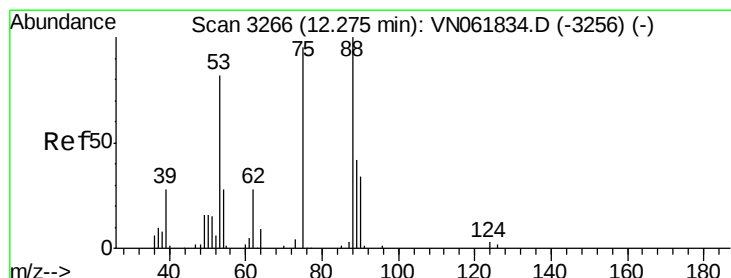
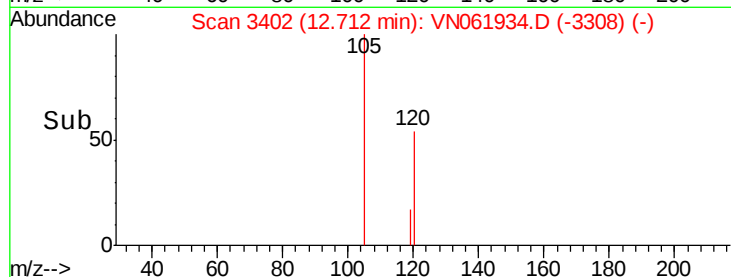
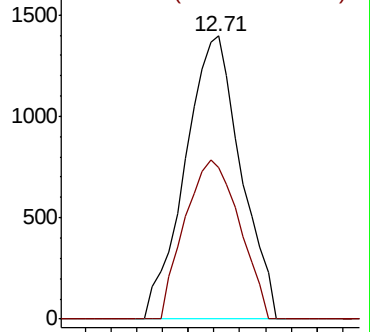
105 100

120 55.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 78.188 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061934.D

Acq: 19 Jun 2020 6:06

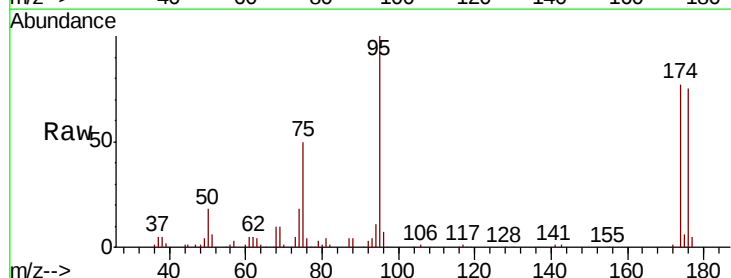
Tgt Ion: 75 Resp: 56702

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

