

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
 Data File : VN065059.D
 Acq On : 11 Dec 2020 00:47
 Operator : JC/MD
 Sample : PB133501ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#07

Quant Time: Dec 11 03:48:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	170293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	322483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	345948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145474	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.98	65	109682	54.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.20%	
35) Dibromofluoromethane		7.54	113	102513	48.05	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.10%	
50) Toluene-d8		10.05	98	415729	50.79	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.58%	
62) 4-Bromofluorobenzene		12.37	95	152838	54.48	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.96%	

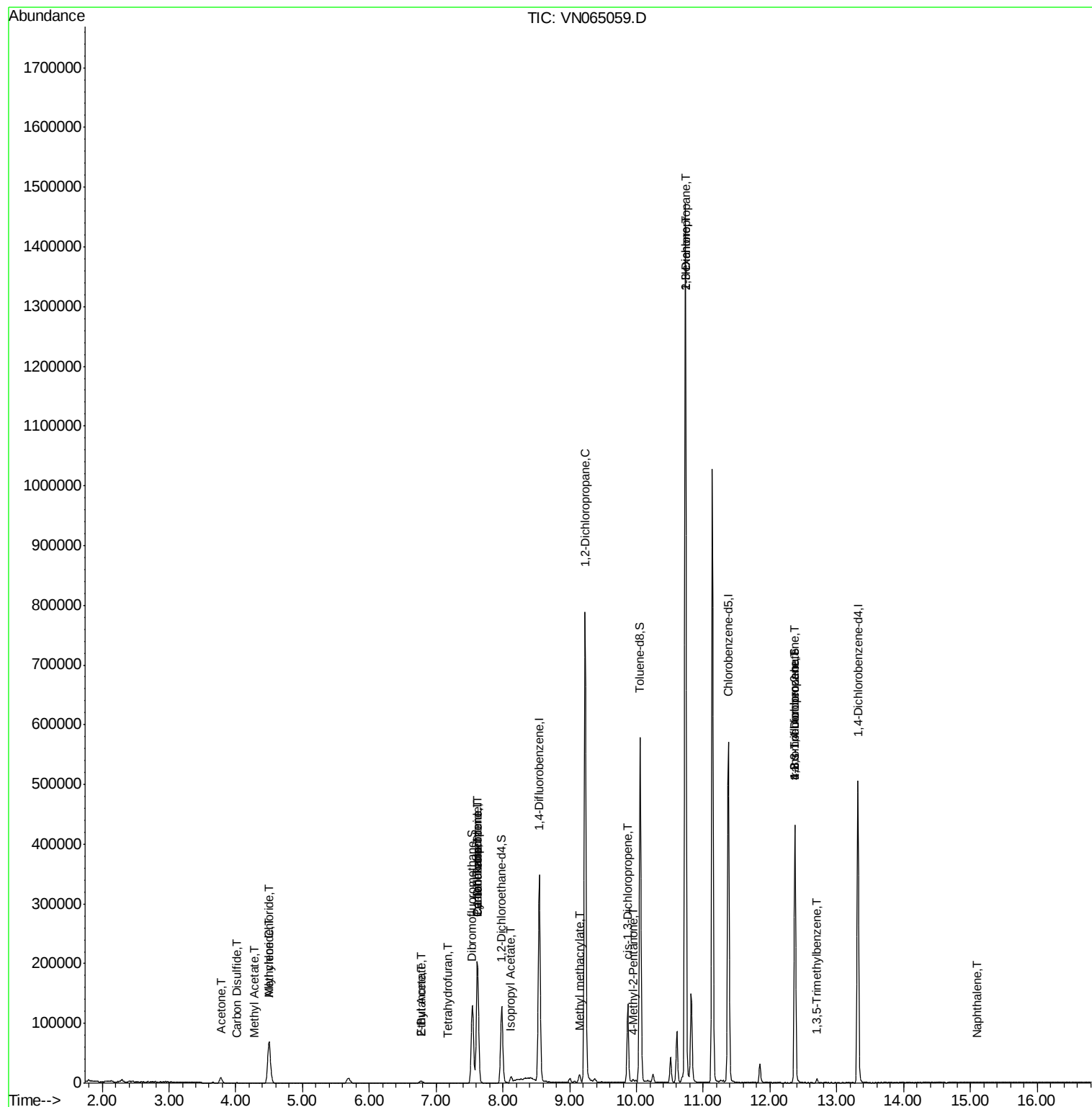
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.50	41	1946	0.818	ug/l #	27
16) Acetone	3.78	43	16091	22.376	ug/l	99
17) Carbon Disulfide	4.00	76	31	0.901	ug/l #	75
18) Methyl Acetate	4.27	43	759	0.419	ug/l #	50
20) Methylene Chloride	4.50	84	55291	30.181	ug/l	99
25) 2-Butanone	6.79	43	1990	2.007	ug/l #	46
29) Tetrahydrofuran	7.17	42	196	0.315	ug/l #	33
31) Cyclohexane	7.62	56	3246	2.742	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12020	4.370	ug/l #	48
37) Ethyl Acetate	6.79	43	1990	0.796	ug/l #	67
38) Carbon Tetrachloride	7.62	117	15780	5.400	ug/l #	18
43) Isopropyl Acetate	8.12	43	14963	3.599	ug/l	94
45) 1,2-Dichloropropane	9.23	63	711	0.309	ug/l #	45
48) Methyl methacrylate	9.14	41	3774	1.912	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	3670	1.477	ug/l	90
54) cis-1,3-Dichloropropene	9.87	75	23592	6.472	ug/l #	72
57) 1,3-Dichloropropane	10.73	76	15307	4.209	ug/l #	42
59) 2-Hexanone	10.73	43	199442	111.387	ug/l #	51
76) 1,2,3-Trichloropropane	12.37	75	71637	25.280	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.70	105	3491	0.429	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	71637	71.955	ug/l #	15
95) Naphthalene	15.12	128	31	6.211	ug/l #	70

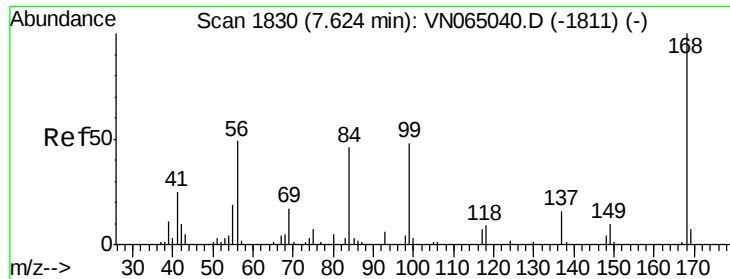
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
Data File : VN065059.D
Acq On : 11 Dec 2020 00:47
Operator : JC/MD
Sample : PB133501ZHE#07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#07

Quant Time: Dec 11 03:48:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 10 16:04:22 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

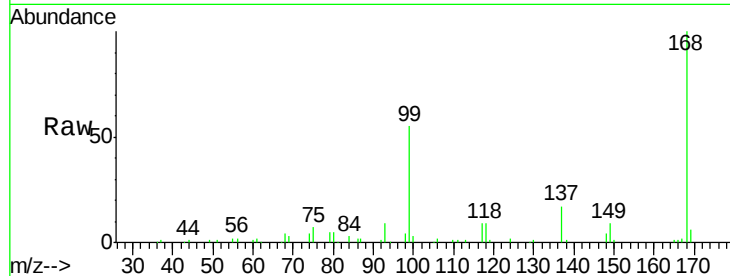
PB133501ZHE#07

Tgt Ion:168 Resp: 170293

Ion Ratio Lower Upper

168 100

99 54.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

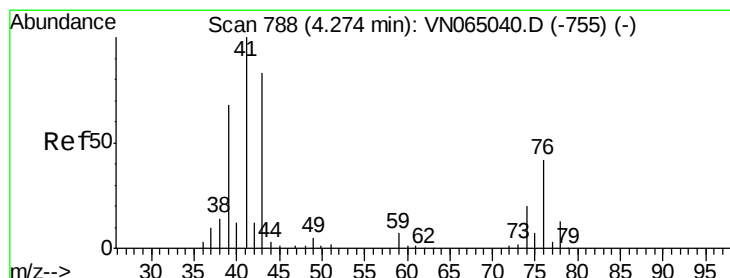
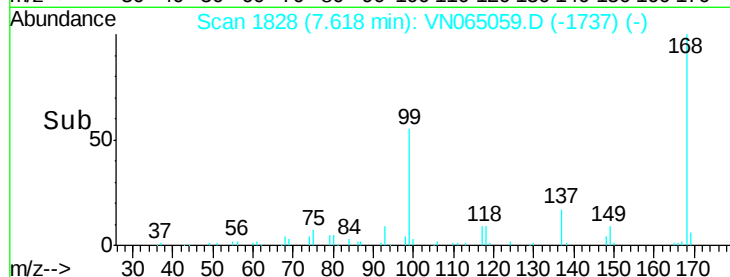
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 0.818 ug/l

RT: 4.50 min Scan# 858

Delta R.T. 0.23 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

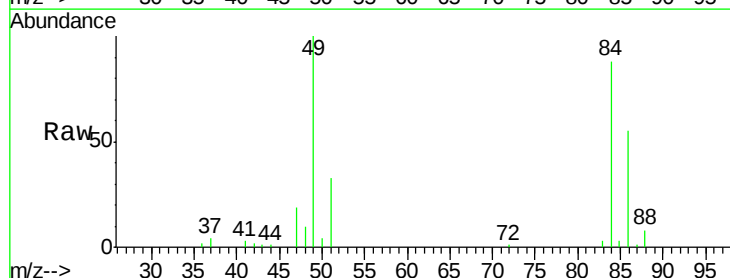
Tgt Ion: 41 Resp: 1946

Ion Ratio Lower Upper

41 100

39 0.0 49.0 73.6#

76 0.0 29.6 44.4#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.50

800

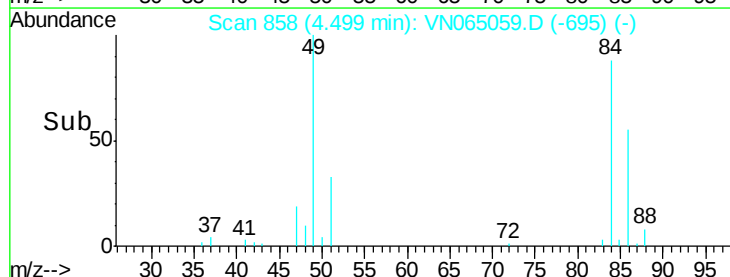
600

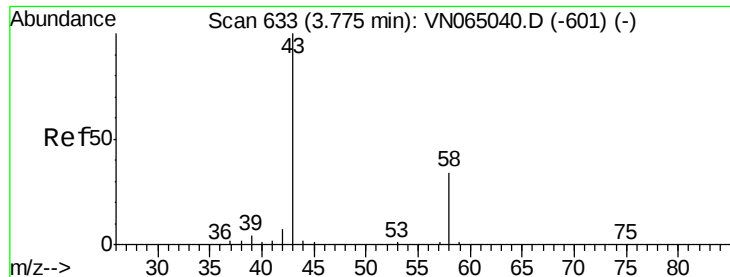
400

200

0

Time-->





#16

Acetone

Concen: 22.376 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

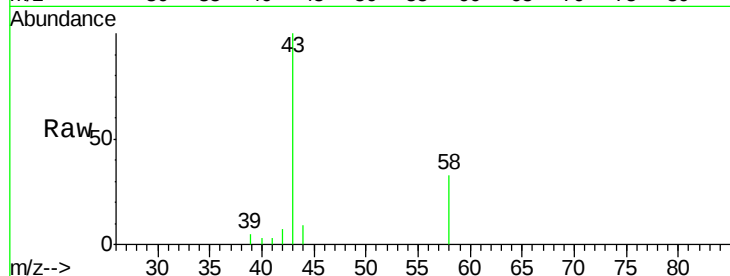
PB133501ZHE#07

Tgt Ion: 43 Resp: 16091

Ion Ratio Lower Upper

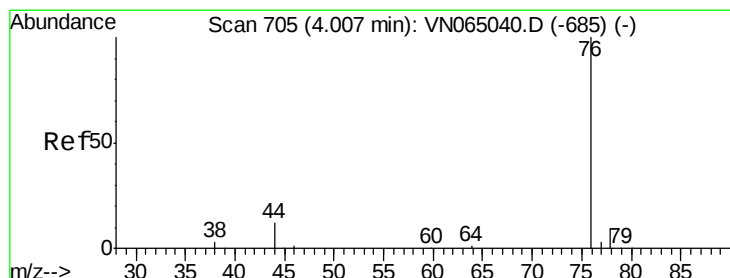
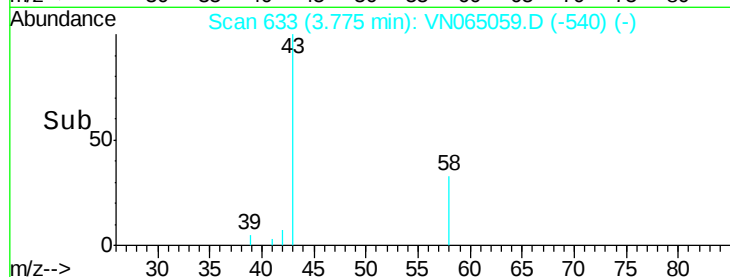
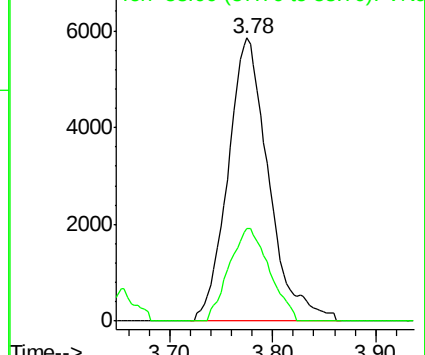
43 100

58 32.9 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN065040.D (-601) (-)



#17

Carbon Disulfide

Concen: 0.901 ug/l

RT: 4.00 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN065059.D

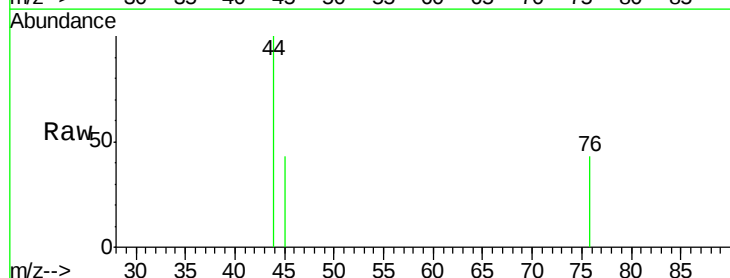
Acq: 11 Dec 2020 00:47

Tgt Ion: 76 Resp: 31

Ion Ratio Lower Upper

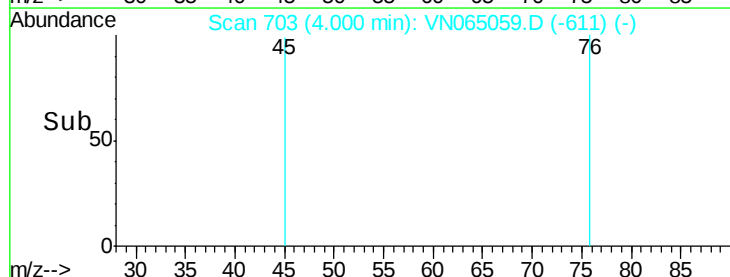
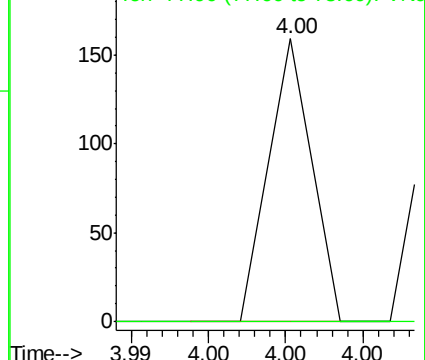
76 100

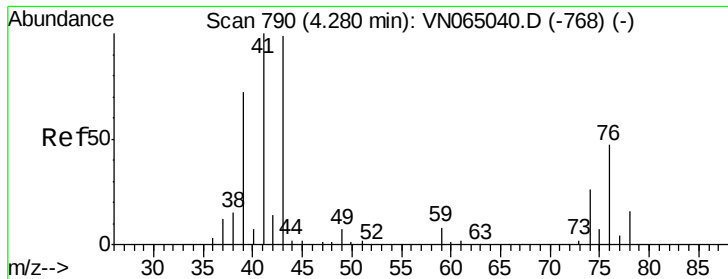
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN065040.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN065040.D (-685) (-)

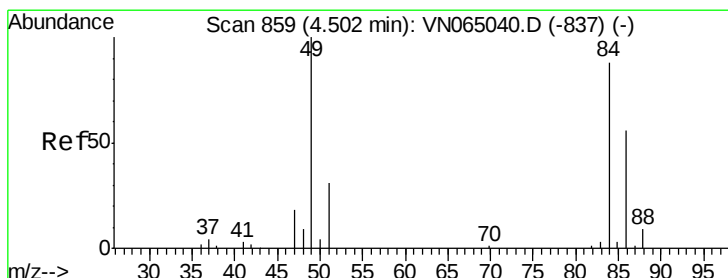
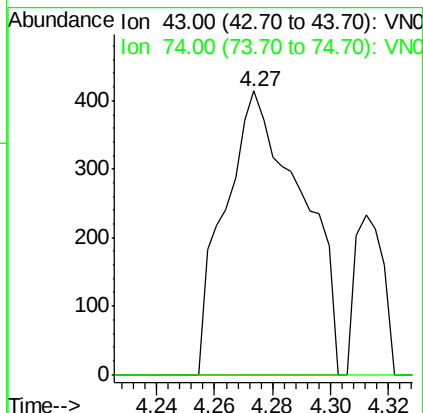
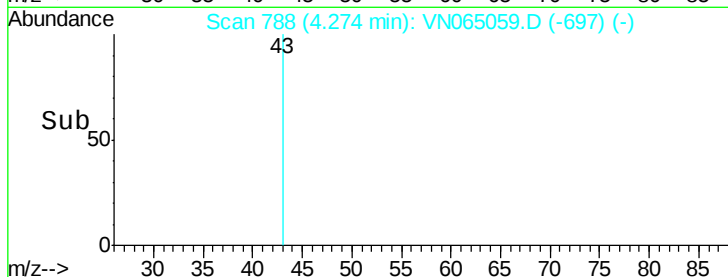
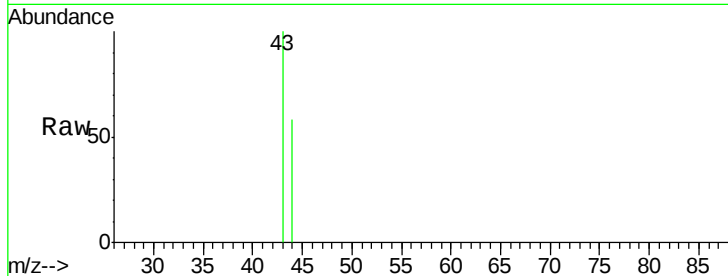




#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

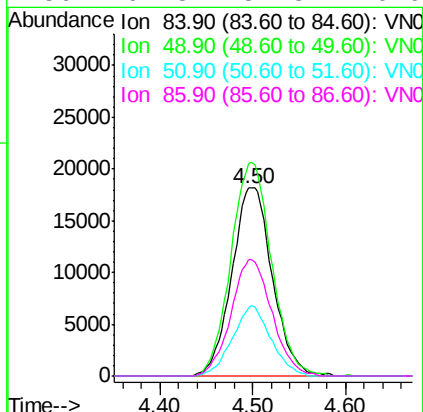
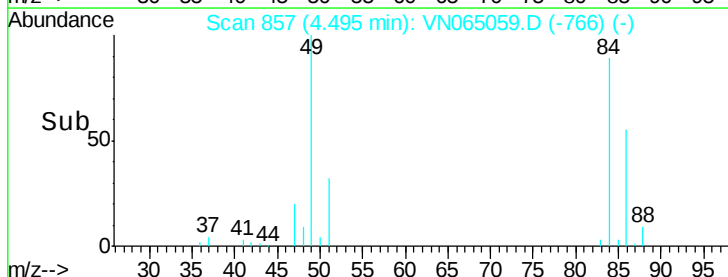
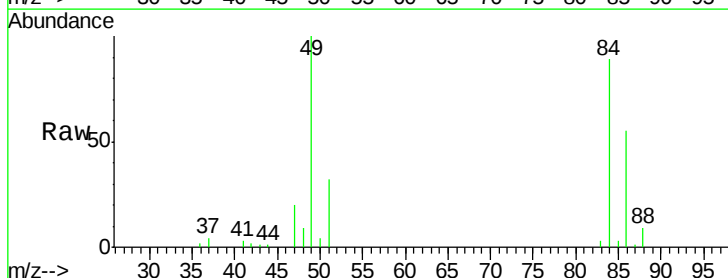
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#07

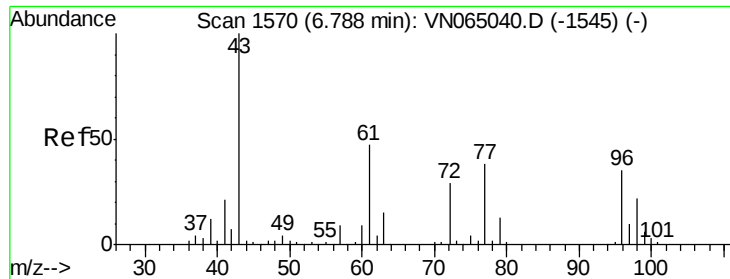
Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 30.181 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

Tgt Ion: 84 Resp: 55291
Ion Ratio Lower Upper
84 100
49 113.0 90.8 136.2
51 36.0 28.1 42.1
86 61.8 51.3 76.9





#25

2-Butanone

Concen: 2.007 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

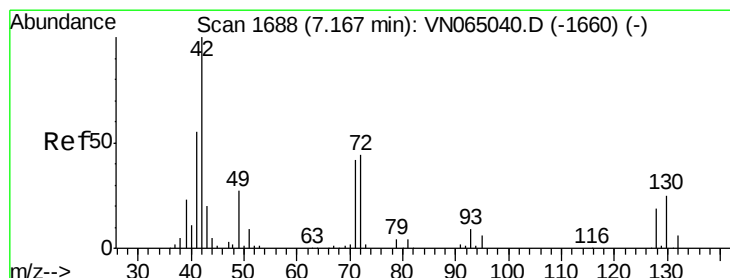
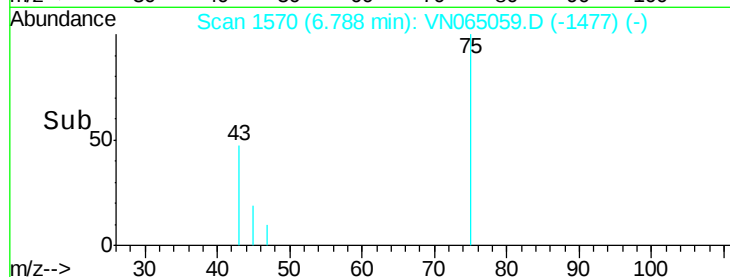
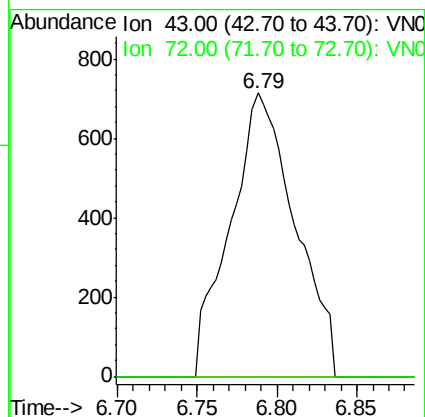
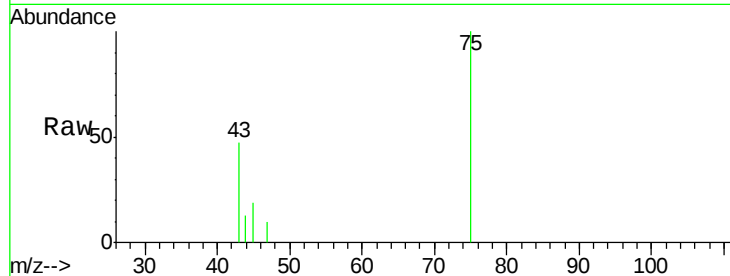
PB133501ZHE#07

Tgt Ion: 43 Resp: 1990

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



#29

Tetrahydrofuran

Concen: 0.315 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

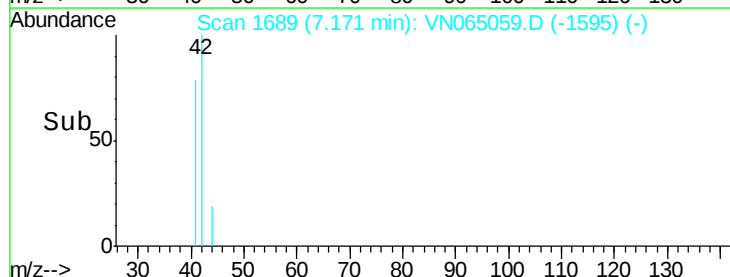
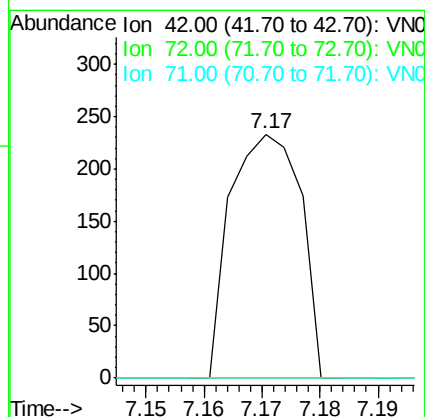
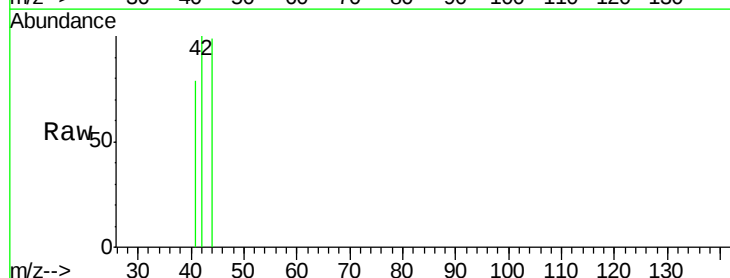
Tgt Ion: 42 Resp: 196

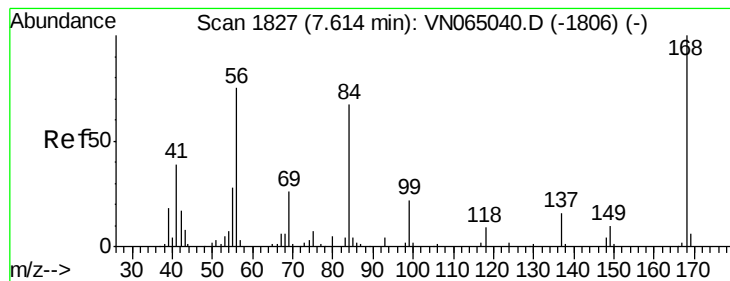
Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.6#

71 0.0 33.5 50.3#

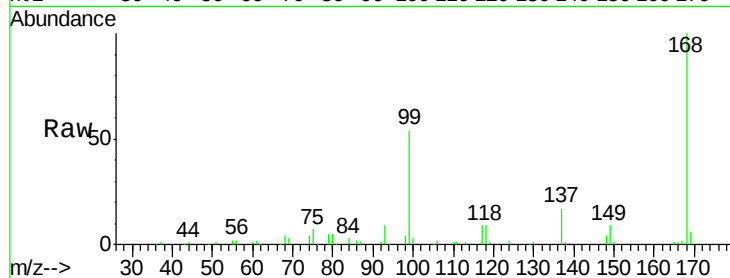




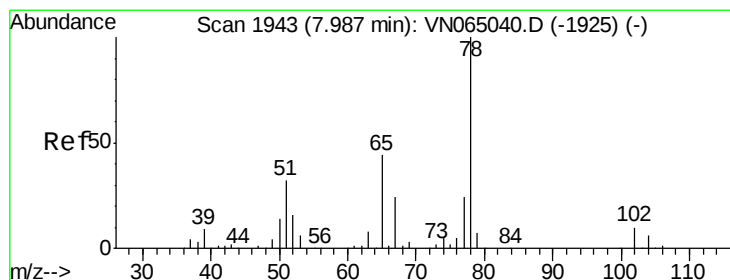
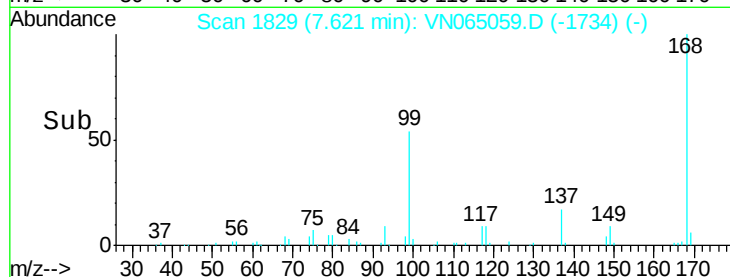
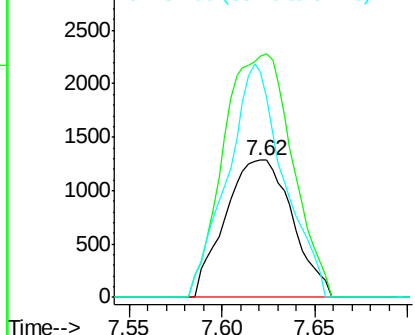
#31
Cyclohexane
Concen: 2.742 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#07

Tgt Ion: 56 Resp: 3246
Ion Ratio Lower Upper
56 100
69 175.3 27.5 41.3#
84 164.6 72.4 108.6#

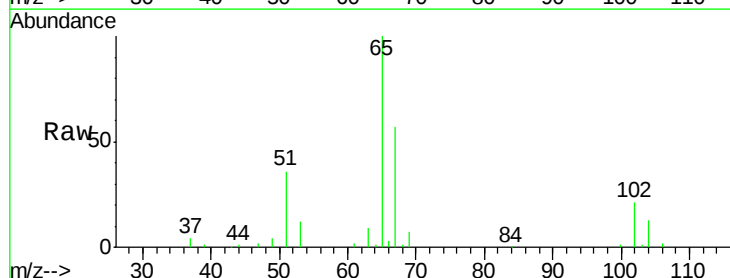


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

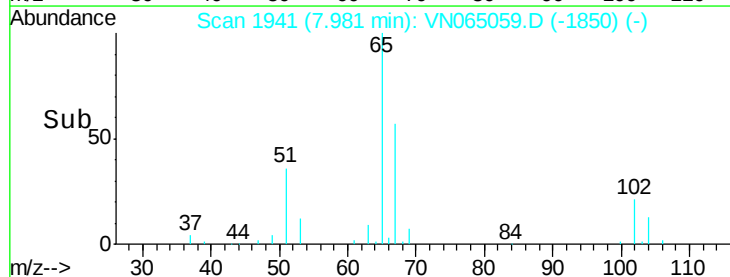
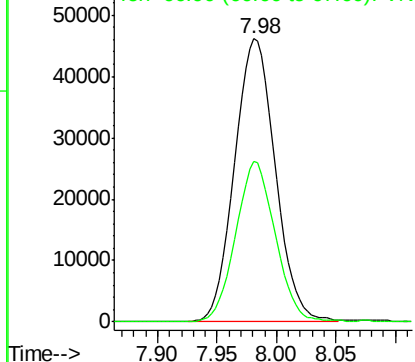


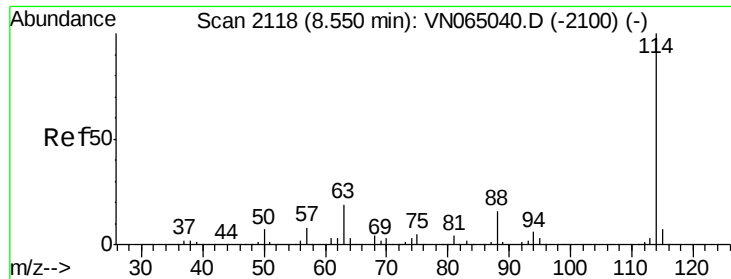
#33
1,2-Dichloroethane-d4
Concen: 54.098 ug/l
RT: 7.98 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

Tgt Ion: 65 Resp: 109682
Ion Ratio Lower Upper
65 100
67 54.9 0.0 108.4



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

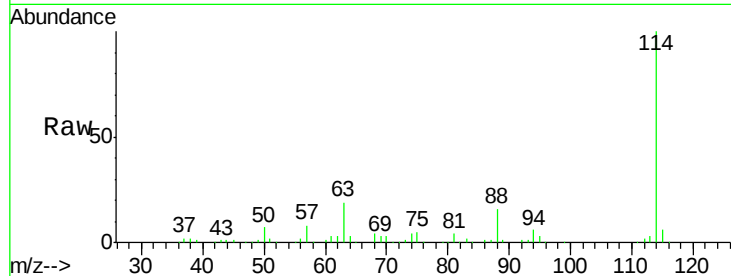




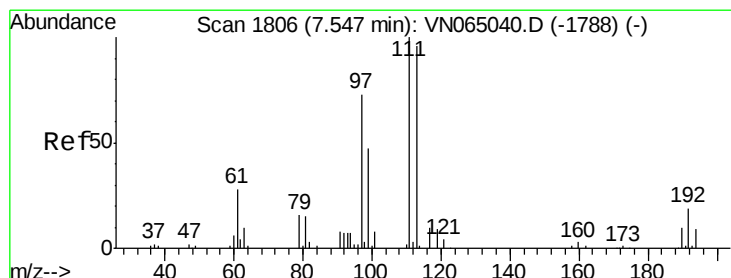
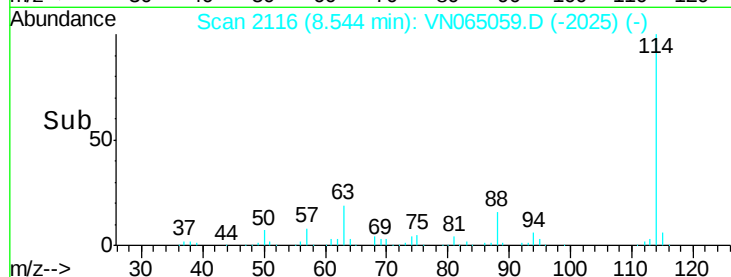
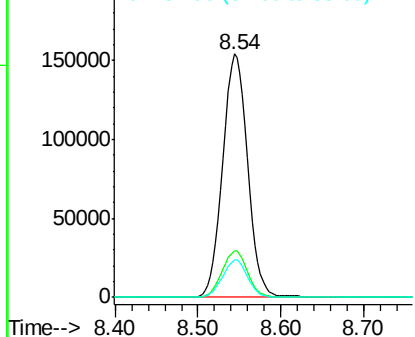
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.54 min Scan# 2116
Delta R.T. -0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#07

Tgt Ion:114 Resp: 322483
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.2
88 15.5 0.0 31.6

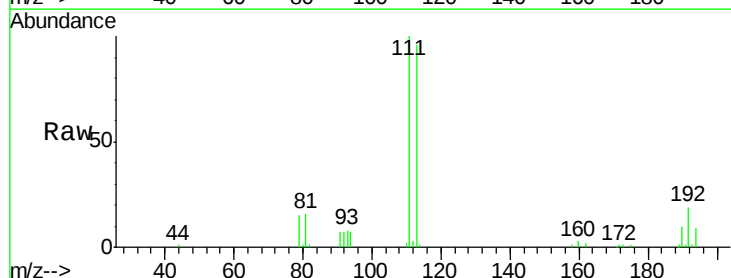


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

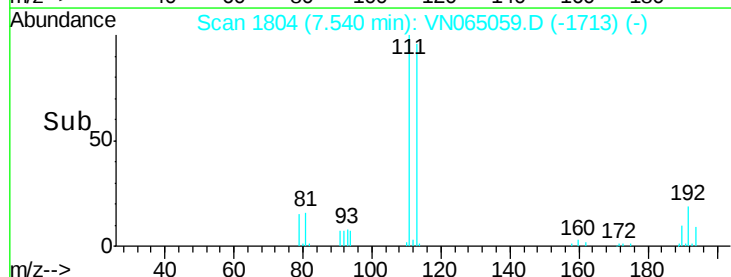
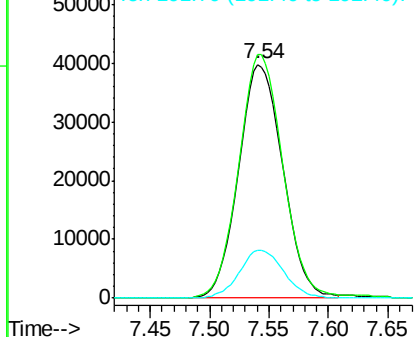


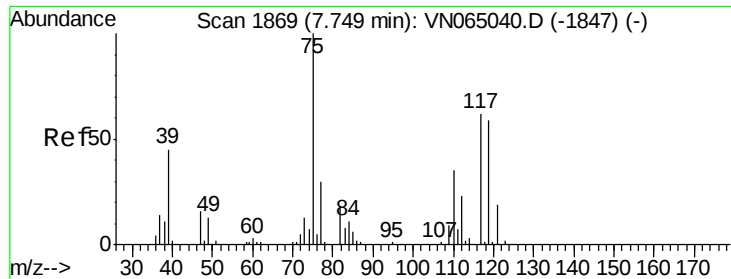
#35
Dibromofluoromethane
Concen: 48.050 ug/l
RT: 7.54 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

Tgt Ion:113 Resp: 102513
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.0
192 20.4 16.2 24.2



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

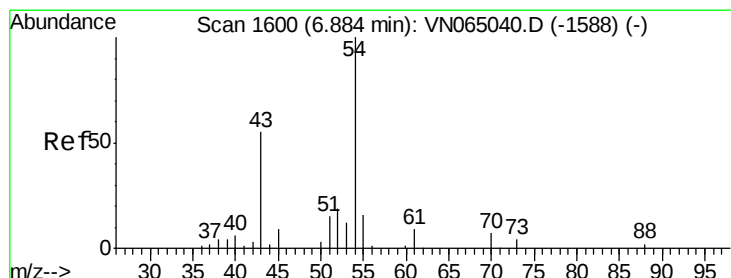
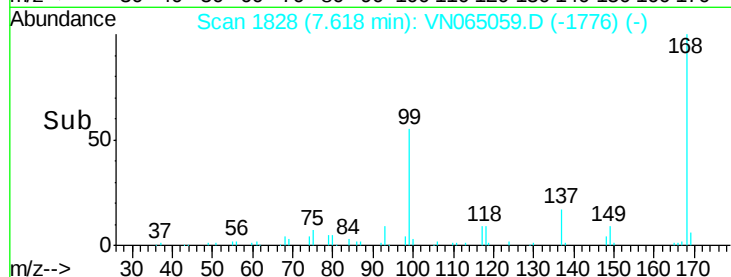
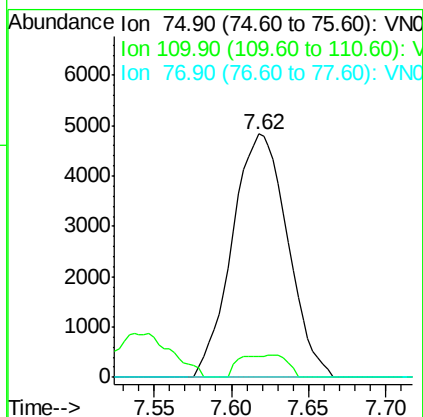
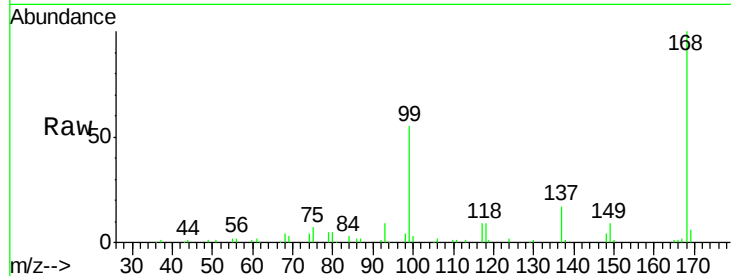




#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN065059.D
 Acq: 11 Dec 2020 00:47

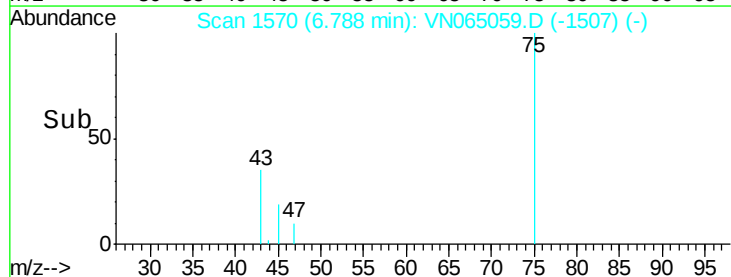
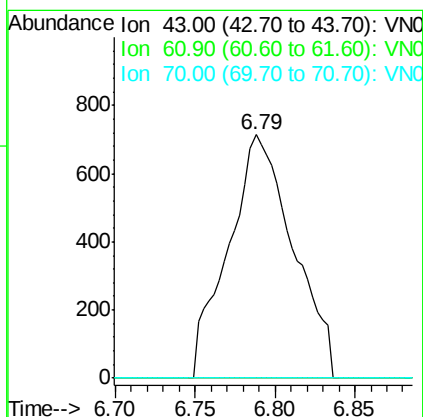
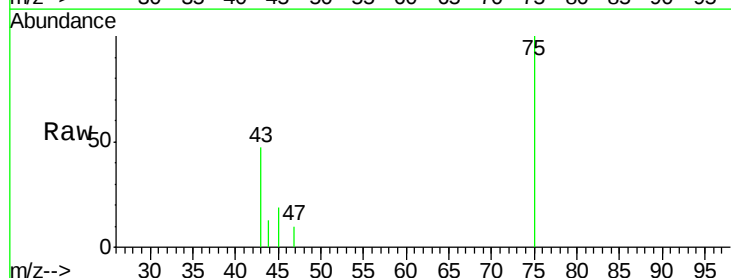
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#07

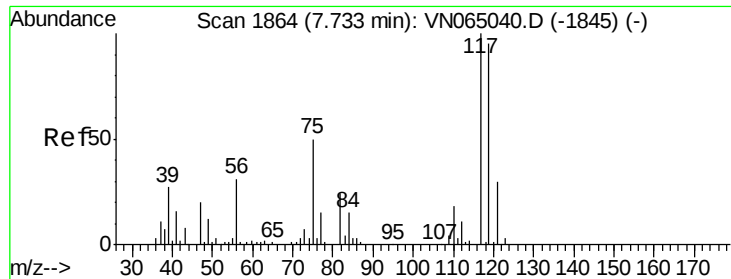
Tgt Ion: 75 Resp: 12020
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.1#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 0.796 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. -0.10 min
 Lab File: VN065059.D
 Acq: 11 Dec 2020 00:47

Tgt Ion: 43 Resp: 1990
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.400 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#07

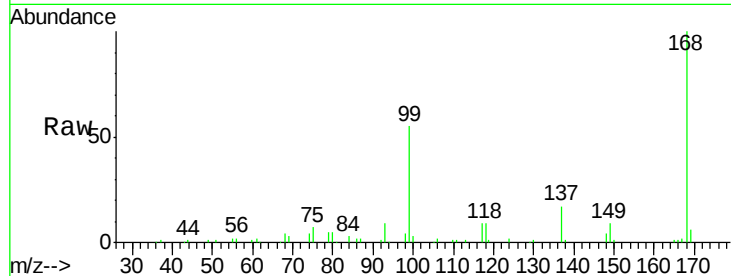
Tgt Ion:117 Resp: 15780

Ion Ratio Lower Upper

117 100

119 6.7 75.9 113.9#

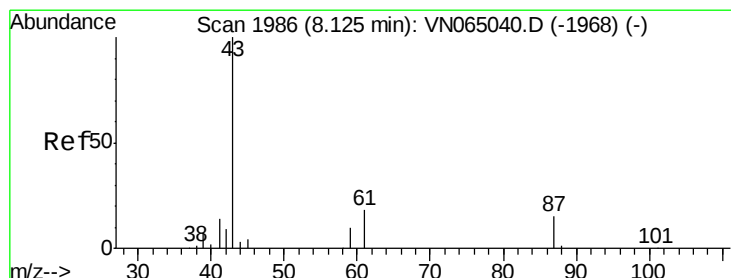
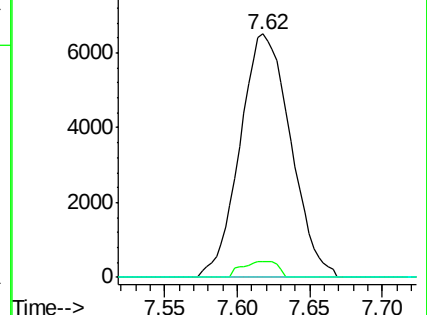
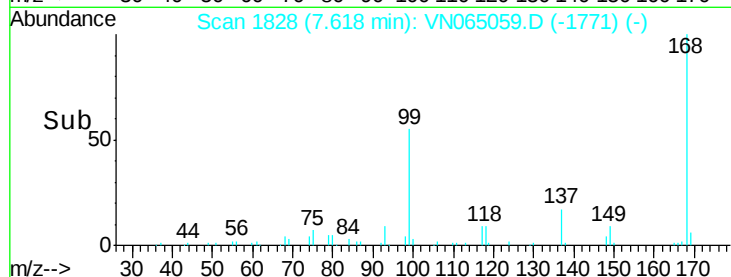
121 0.0 24.1 36.1#



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: 3.599 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

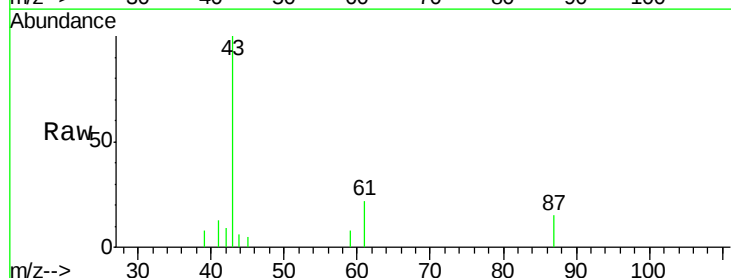
Tgt Ion: 43 Resp: 14963

Ion Ratio Lower Upper

43 100

61 17.9 16.9 25.3

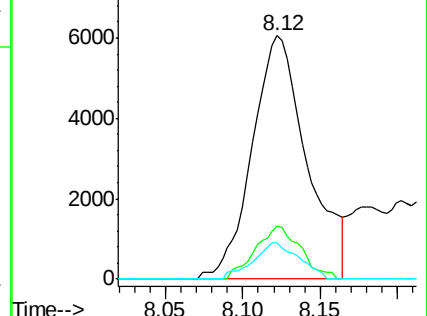
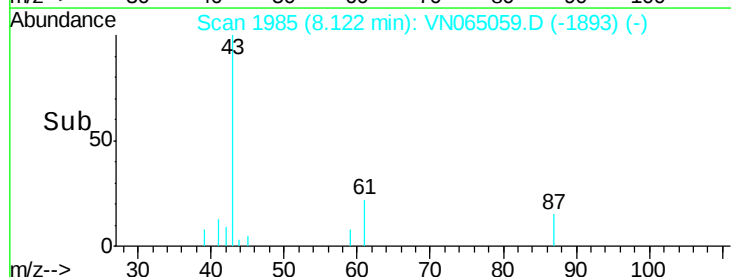
87 12.5 11.4 17.2

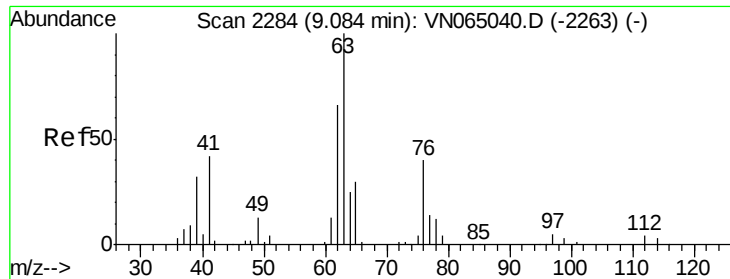


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

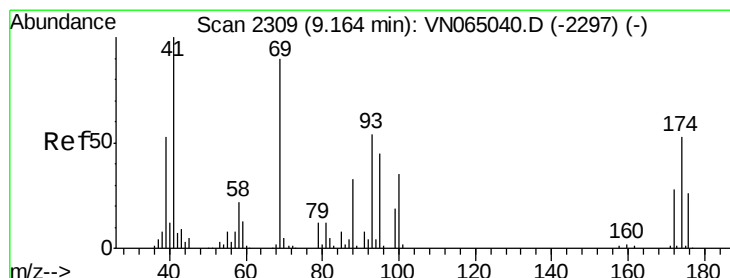
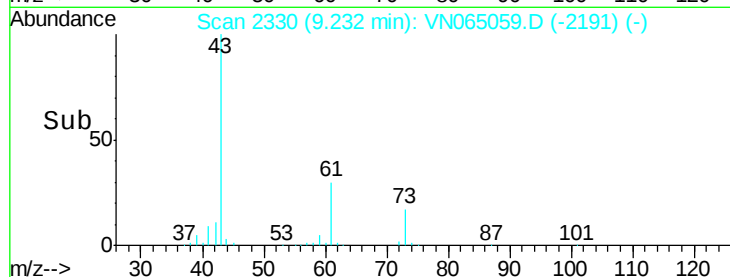
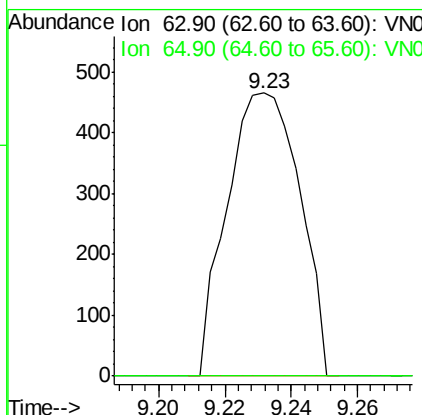
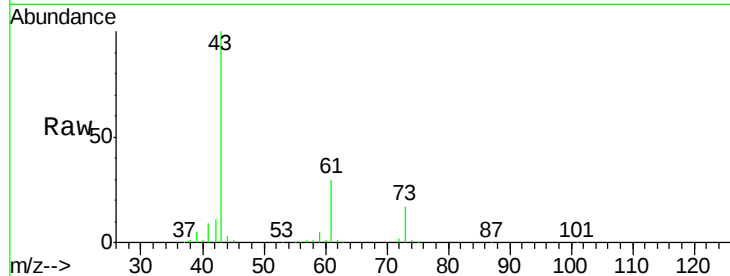




#45
 1,2-Dichloropropane
 Concen: 0.309 ug/l
 RT: 9.23 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN065059.D
 Acq: 11 Dec 2020 00:47

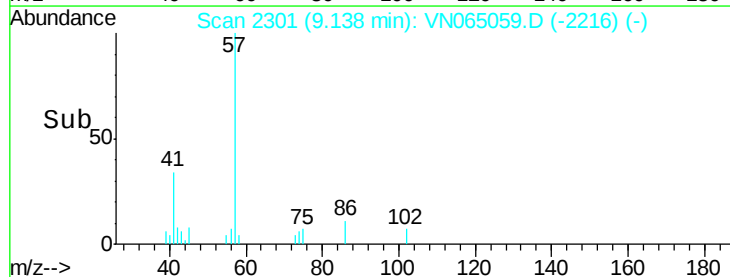
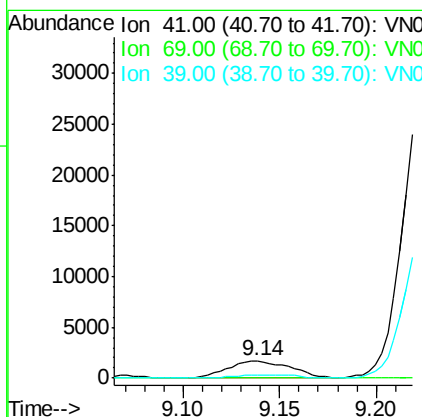
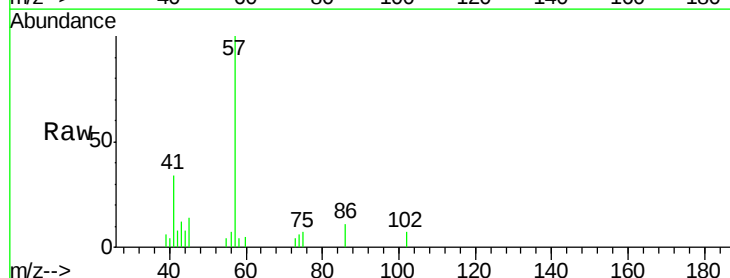
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#07

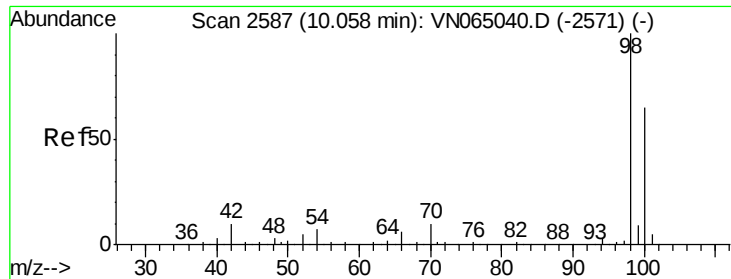
Tgt Ion: 63 Resp: 711
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.0 36.0#



#48
 Methyl methacrylate
 Concen: 1.912 ug/l
 RT: 9.14 min Scan# 2301
 Delta R.T. -0.03 min
 Lab File: VN065059.D
 Acq: 11 Dec 2020 00:47

Tgt Ion: 41 Resp: 3774
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.1 108.1#
 39 0.0 43.8 65.6#





#50

Toluene-d8

Concen: 50.792 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

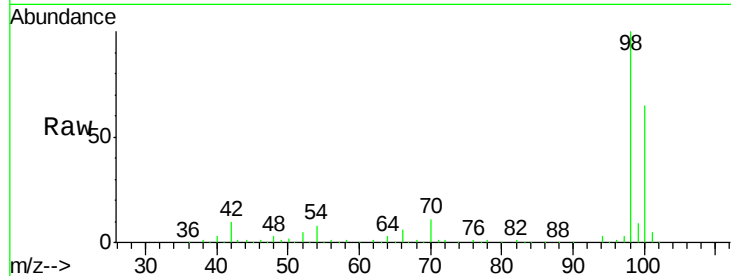
PB133501ZHE#07

Tgt Ion: 98 Resp: 415729

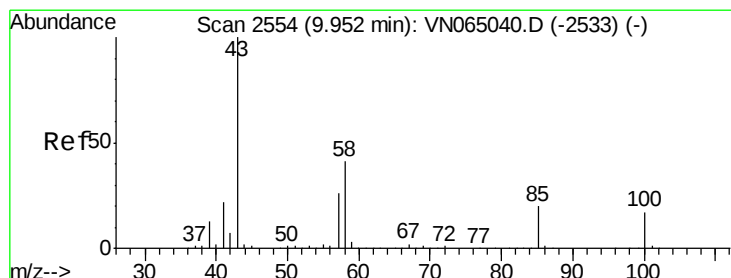
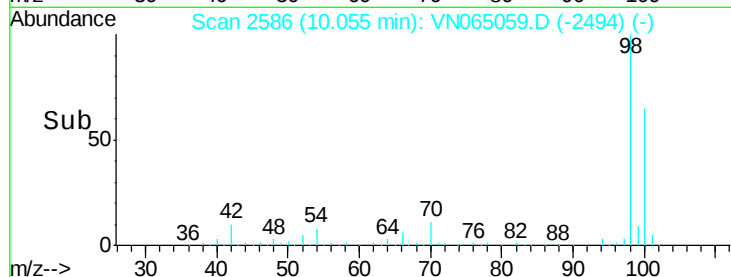
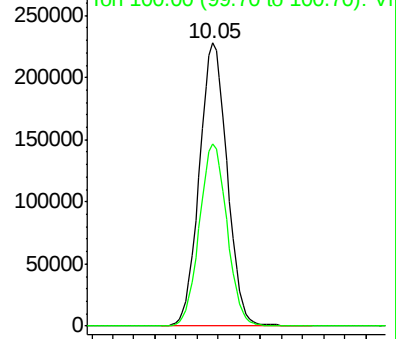
Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065040.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.477 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN065059.D

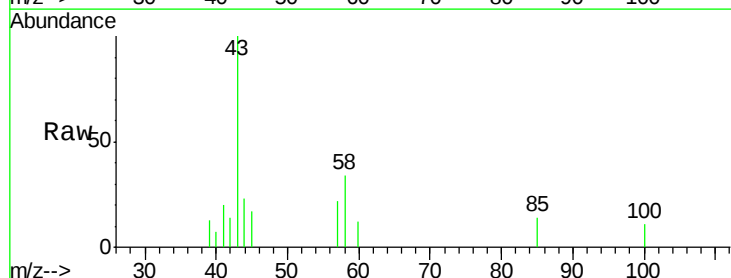
Acq: 11 Dec 2020 00:47

Tgt Ion: 43 Resp: 3670

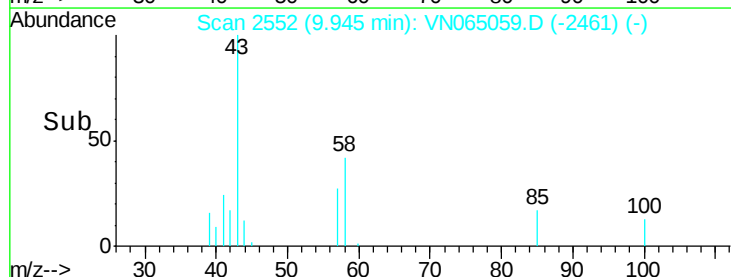
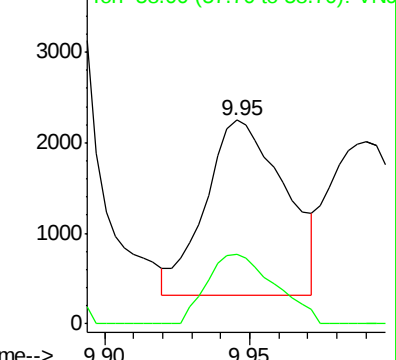
Ion Ratio Lower Upper

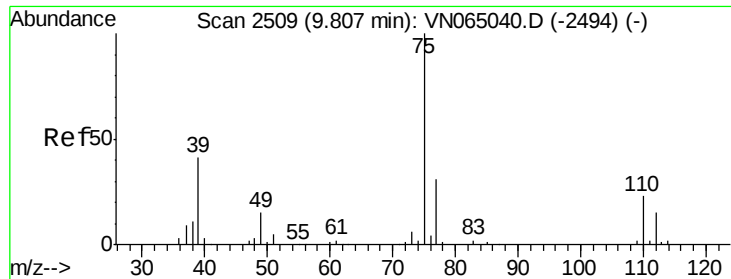
43 100

58 34.2 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-2533) (-)

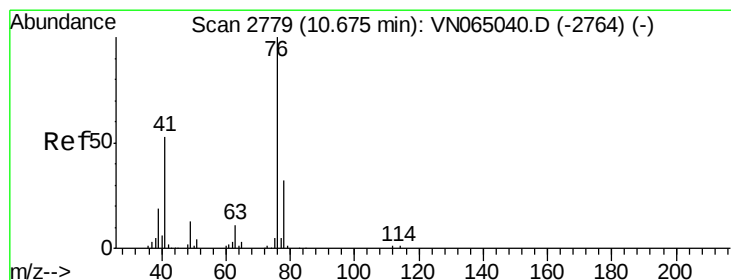
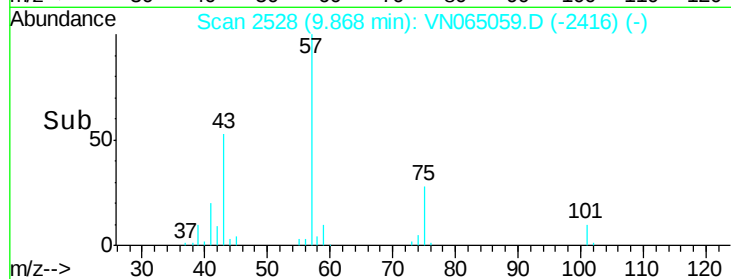
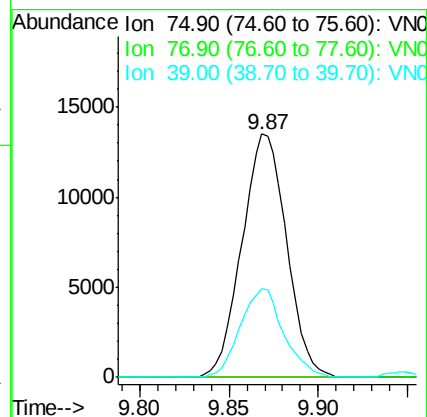
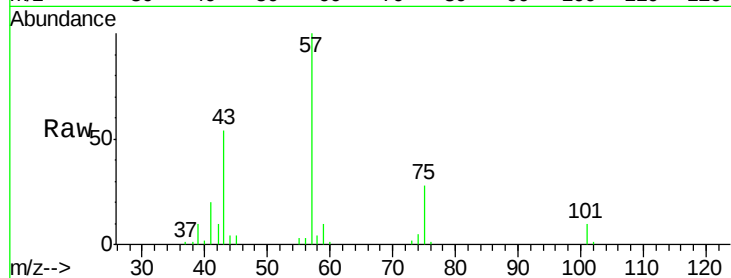




#54
 cis-1,3-Dichloropropene
 Concen: 6.472 ug/l
 RT: 9.87 min Scan# 2528
 Delta R.T. 0.06 min
 Lab File: VN065059.D
 Acq: 11 Dec 2020 00:47

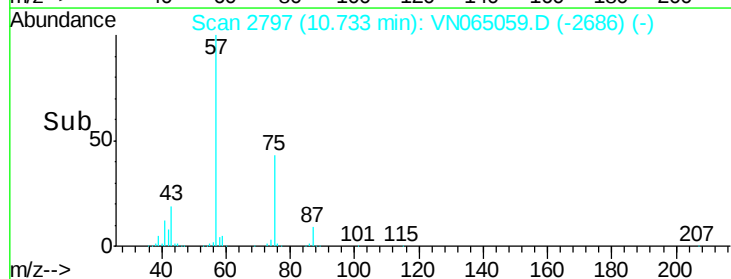
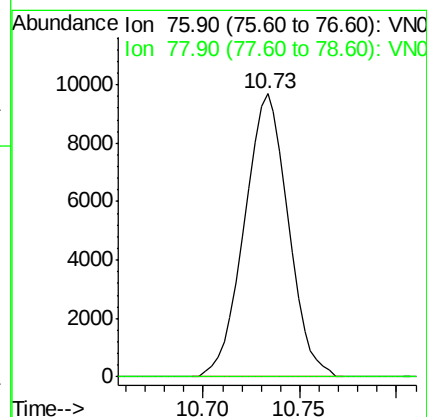
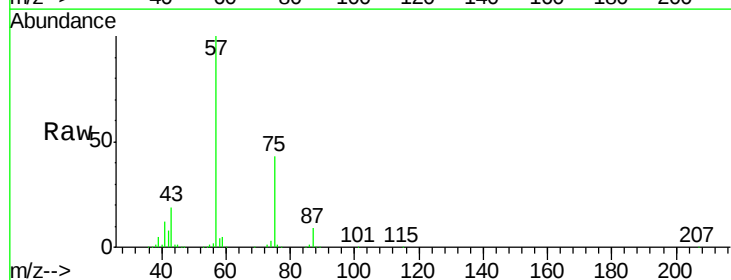
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#07

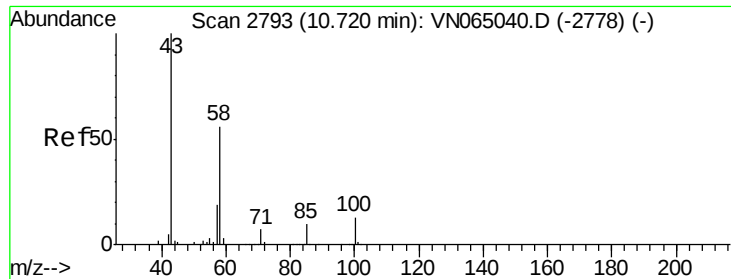
Tgt Ion: 75 Resp: 23592
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 36.5 33.0 49.4



#57
 1,3-Dichloropropane
 Concen: 4.209 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN065059.D
 Acq: 11 Dec 2020 00:47

Tgt Ion: 76 Resp: 15307
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#

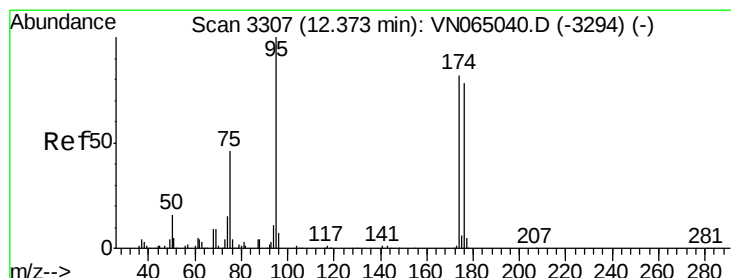
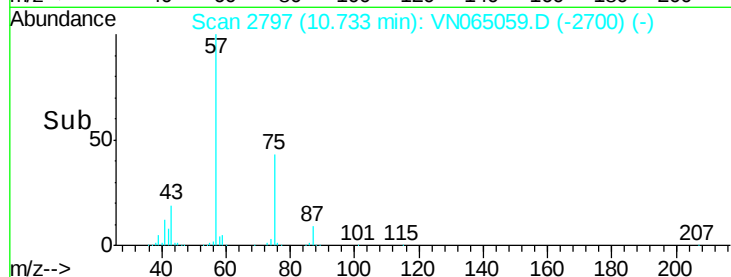
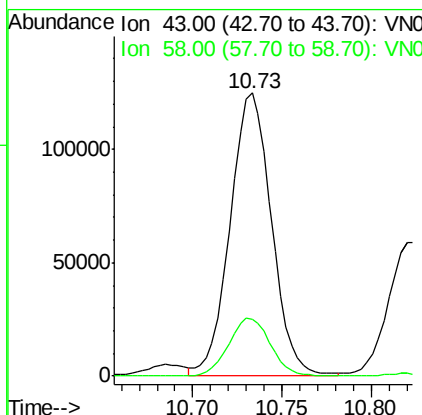
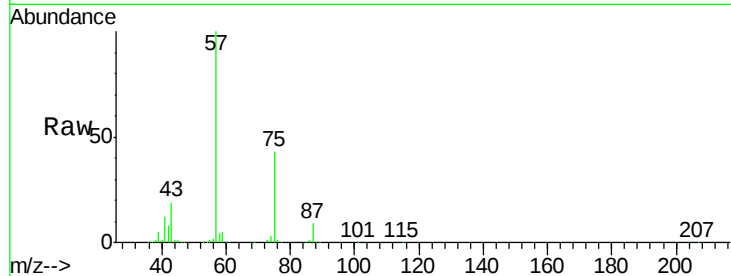




#59
2-Hexanone
Concen: 111.387 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

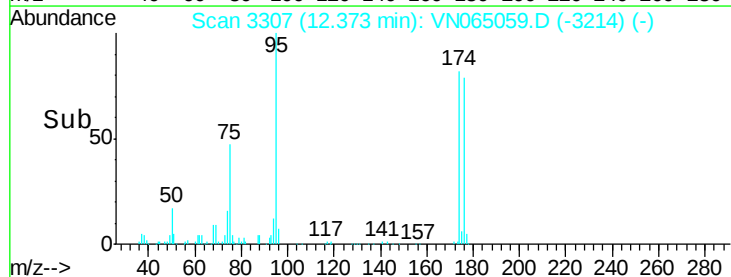
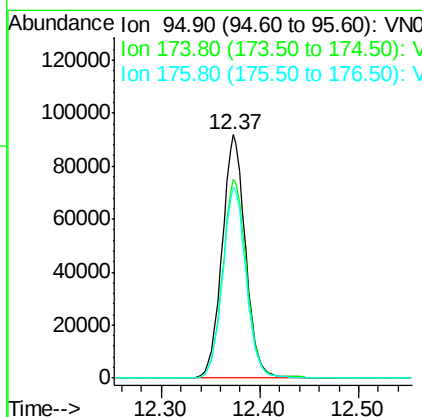
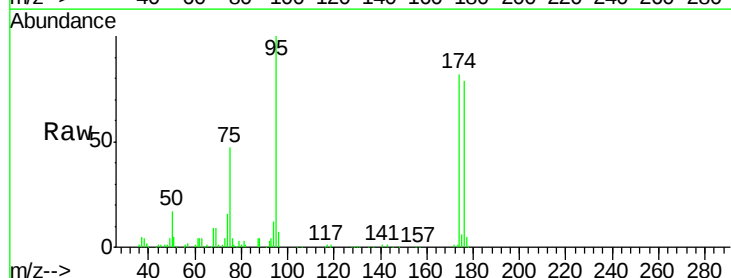
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#07

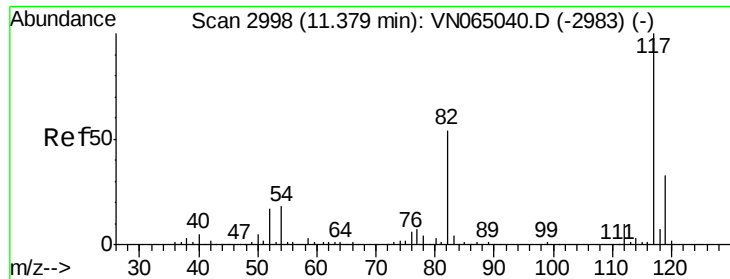
Tgt Ion: 43 Resp: 199442
Ion Ratio Lower Upper
43 100
58 20.8 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.480 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN065059.D
Acq: 11 Dec 2020 00:47

Tgt Ion: 95 Resp: 152838
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.8
176 78.8 0.0 158.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#07

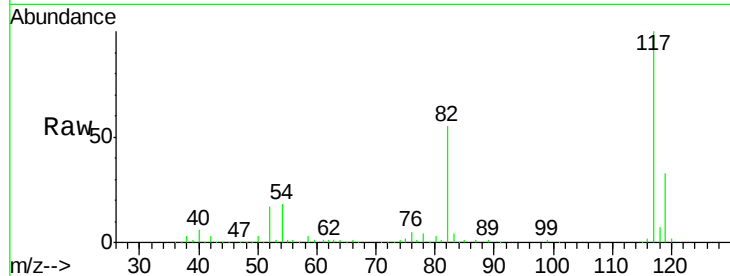
Tgt Ion:117 Resp: 345948

Ion Ratio Lower Upper

117 100

82 54.6 43.5 65.3

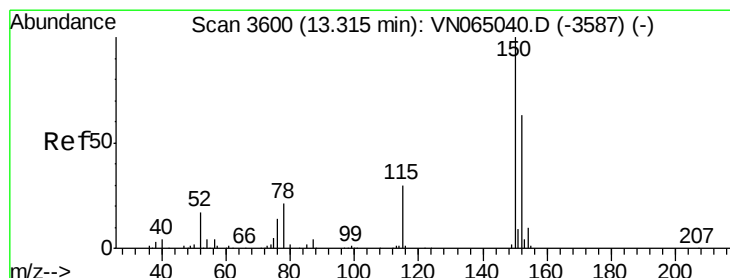
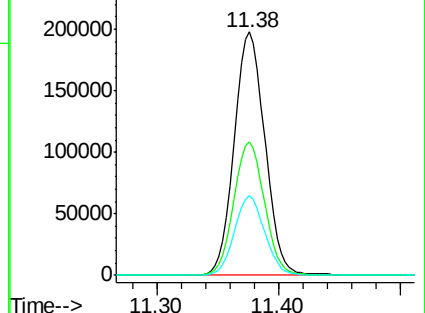
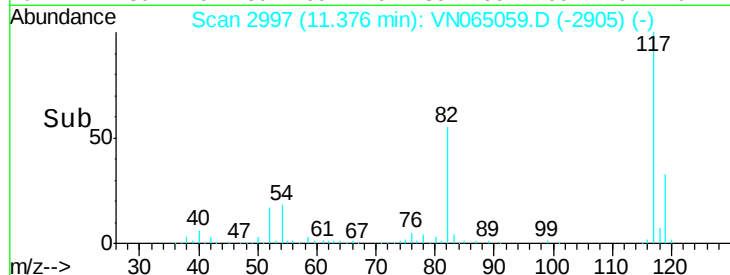
119 32.7 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

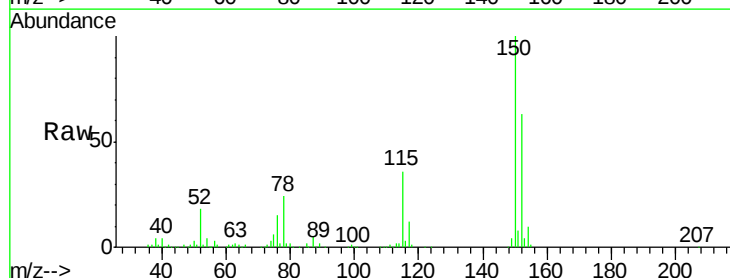
Tgt Ion:152 Resp: 145474

Ion Ratio Lower Upper

152 100

115 57.5 29.3 88.0

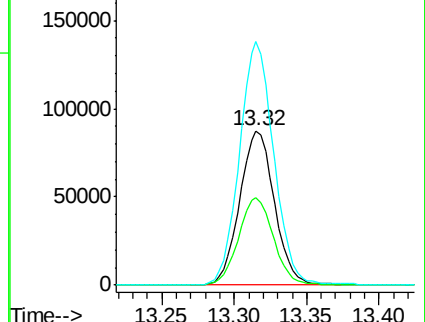
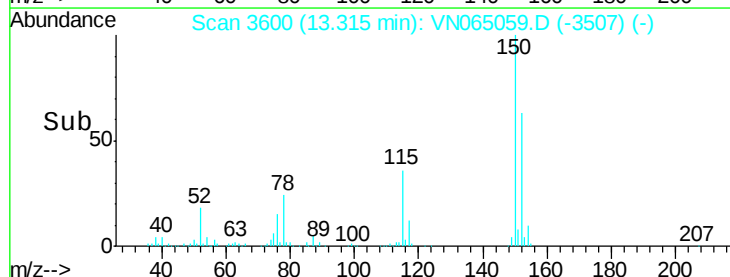
150 156.8 0.0 345.8

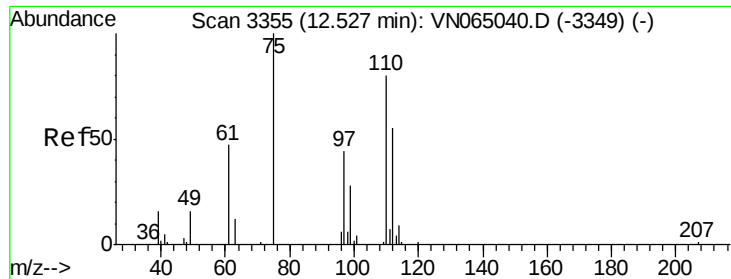


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.280 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

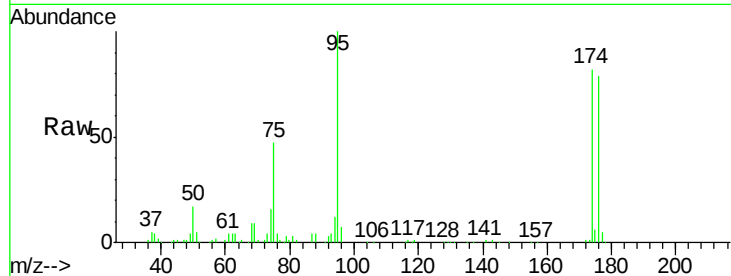
PB133501ZHE#07

Tgt Ion: 75 Resp: 71637

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN065040.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN065040.D (-3349) (-)

12.37

40000

30000

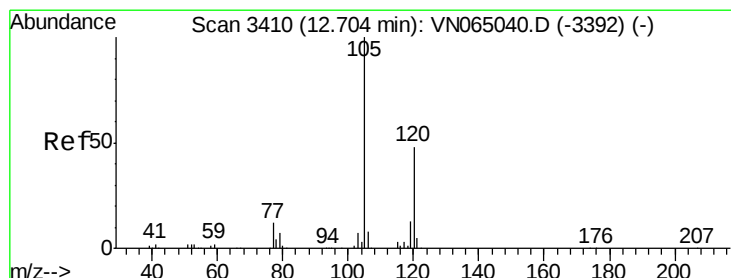
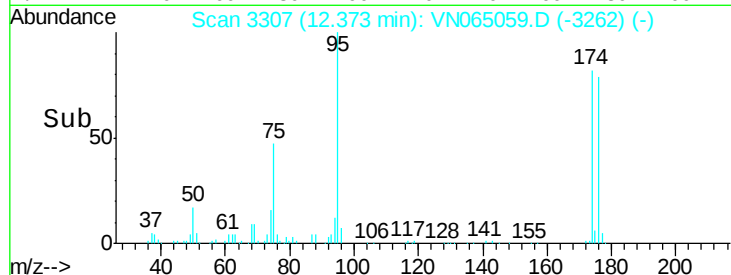
20000

10000

0

Time-->

12.30 12.40



#80

1,3,5-Trimethylbenzene

Concen: 0.429 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN065059.D

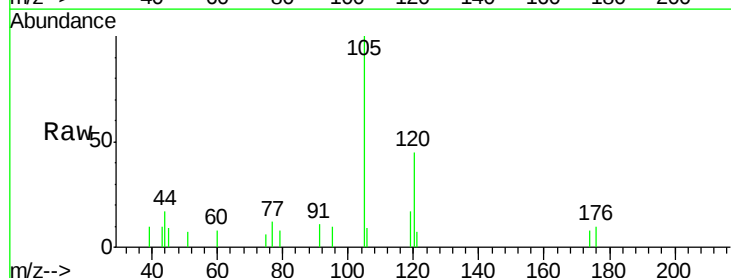
Acq: 11 Dec 2020 00:47

Tgt Ion: 105 Resp: 3491

Ion Ratio Lower Upper

105 100

120 47.4 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN065040.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN065040.D (-3392) (-)

12.70

2500

2000

1500

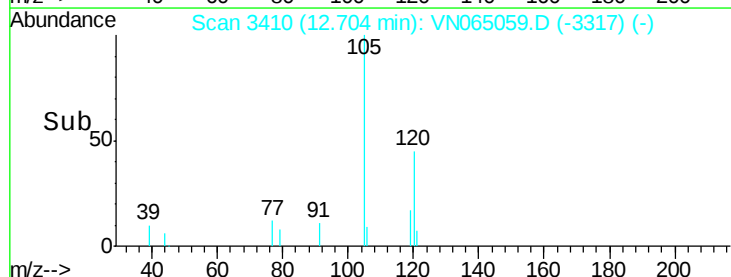
1000

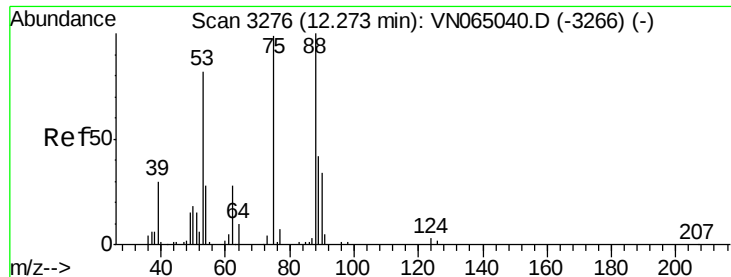
500

0

Time-->

12.65 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 71.955 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#07

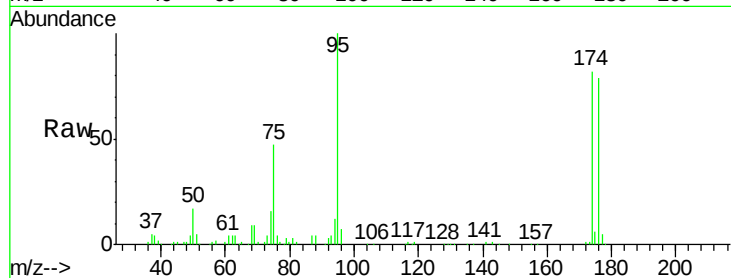
Tgt Ion: 75 Resp: 71637

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

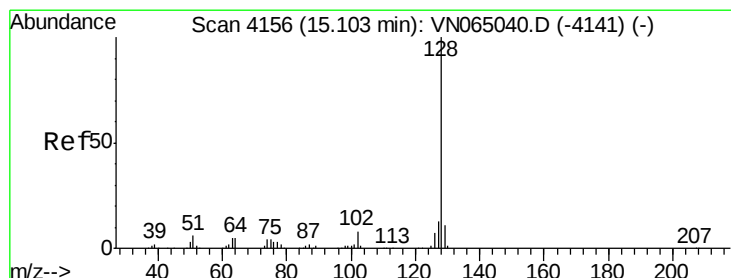
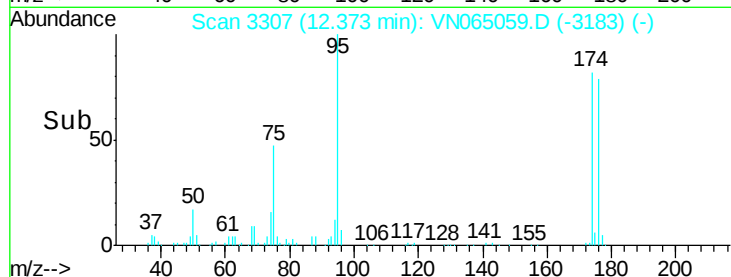
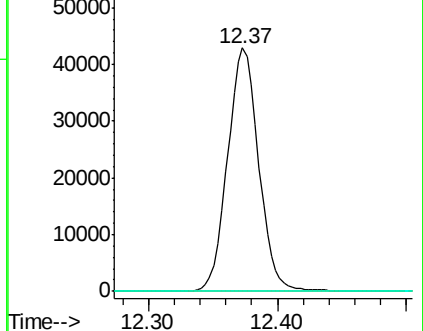
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN065040.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN065040.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN065040.D (-3266) (-)



#95

Naphthalene

Concen: 6.211 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN065059.D

Acq: 11 Dec 2020 00:47

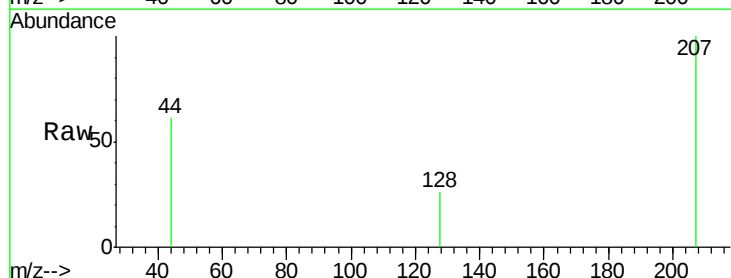
Tgt Ion: 128 Resp: 31

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VN065040.D (-4141) (-)

Ion 127.00 (126.70 to 127.70): VN065040.D (-4141) (-)

Ion 129.00 (128.70 to 129.70): VN065040.D (-4141) (-)

