

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065018.D
 Acq On : 9 Dec 2020 14:14
 Operator : JC/MD
 Sample : PB133473ZHE#19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#19

Quant Time: Dec 10 04:07:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	166278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	318171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	107215	55.46	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	110.92%
35) Dibromofluoromethane	7.55	113	97978	53.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.14%
50) Toluene-d8	10.06	98	382143	50.66	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.32%
62) 4-Bromofluorobenzene	12.38	95	139493	51.67	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.34%

Target Compounds

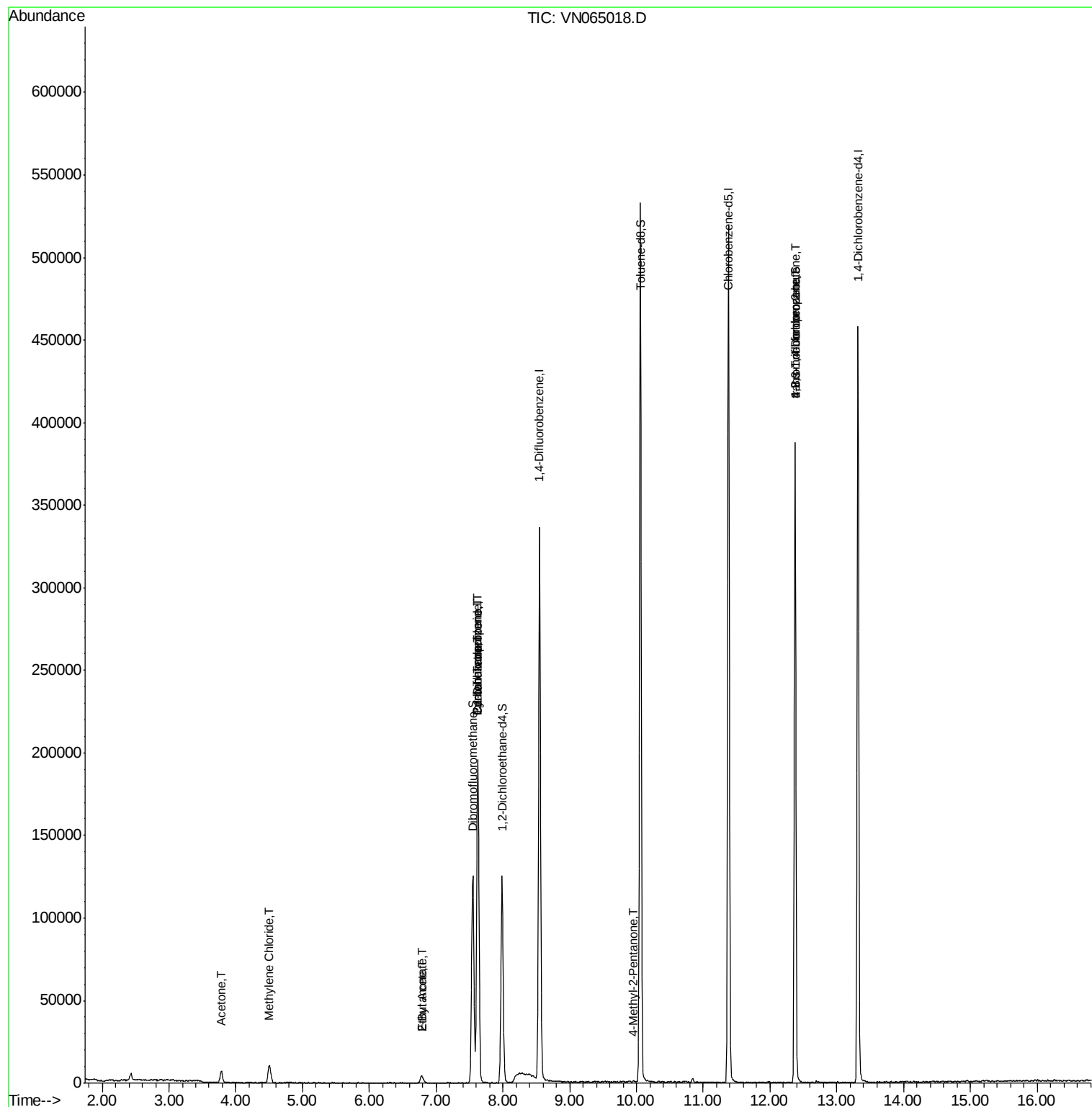
					Qvalue	
16) Acetone	3.78	43	10756	16.926	ug/l #	88
20) Methylene Chloride	4.50	84	4113	2.066	ug/l #	96
25) 2-Butanone	6.80	43	2132	2.070	ug/l	96
31) Cyclohexane	7.62	56	2947	1.094	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	12104	4.233	ug/l #	50
37) Ethyl Acetate	6.80	43	2132	0.774	ug/l #	66
38) Carbon Tetrachloride	7.62	117	15829	5.320	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	657	0.247	ug/l #	59
76) 1,2,3-Trichloropropane	12.38	75	65936	23.054	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65936	63.186	ug/l #	15

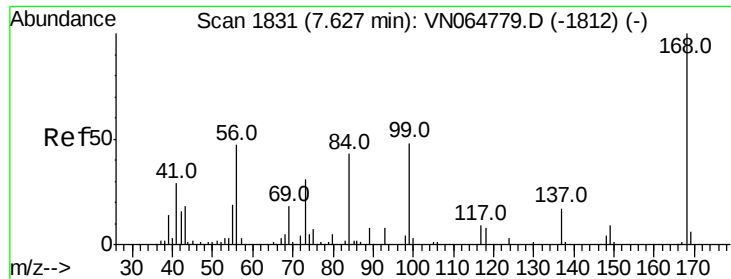
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120920\
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Quant Time: Dec 10 04:07:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

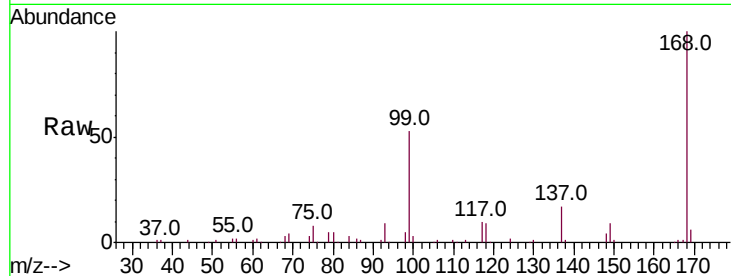
PB133473ZHE#19

Tot Ion:168 Resp: 166278

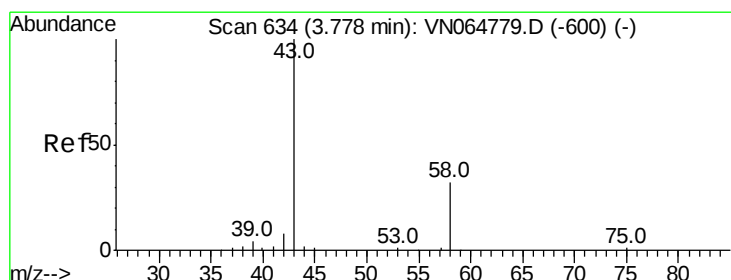
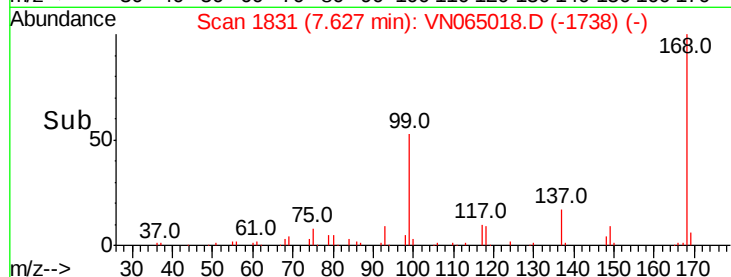
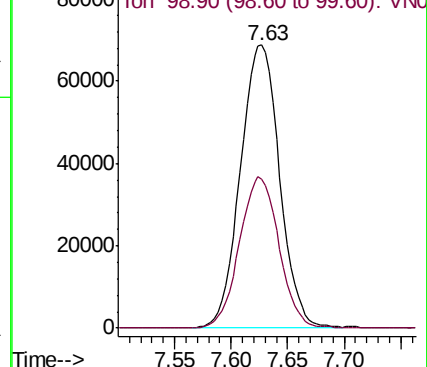
Ion Ratio Lower Upper

168 100

99 52.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)



#16

Acetone

Concen: 16.926 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN065018.D

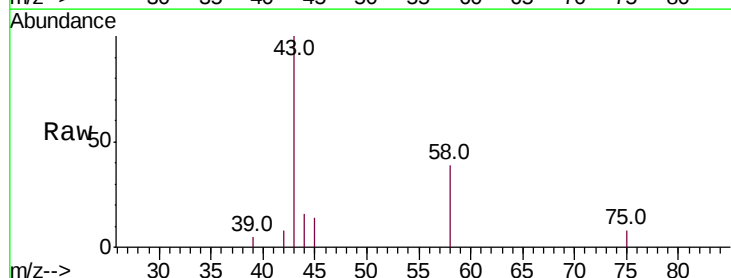
Acq: 9 Dec 2020 14:14

Tgt Ion: 43 Resp: 10756

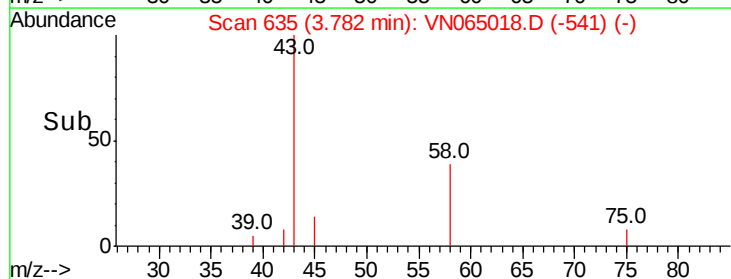
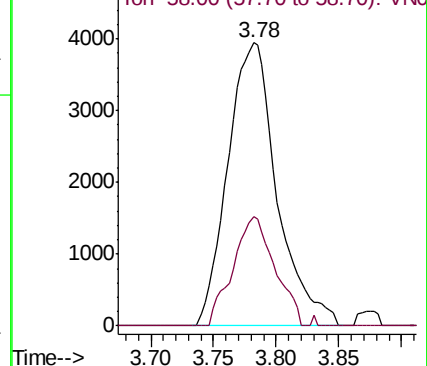
Ion Ratio Lower Upper

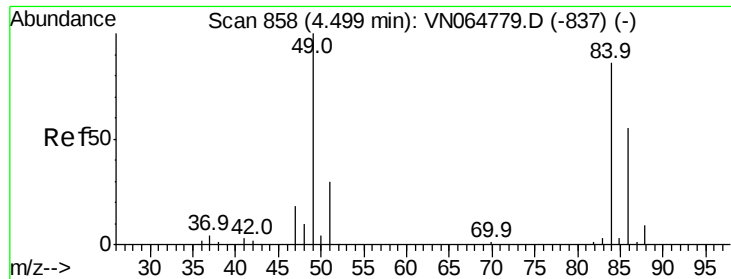
43 100

58 38.8 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

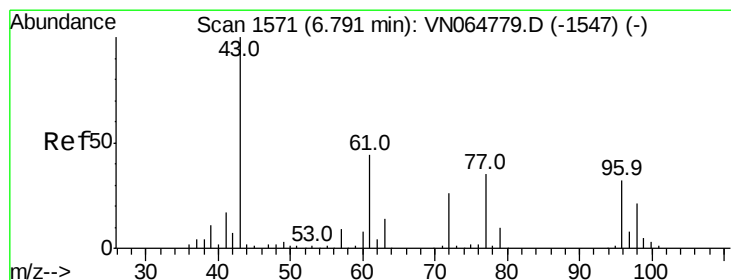
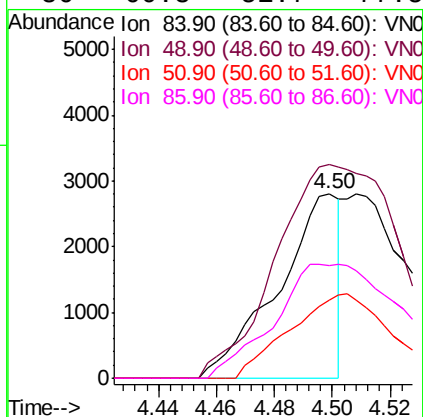
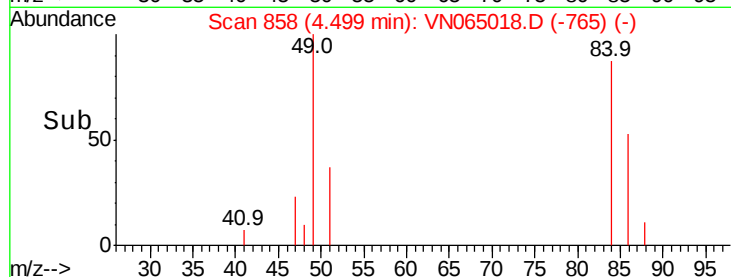
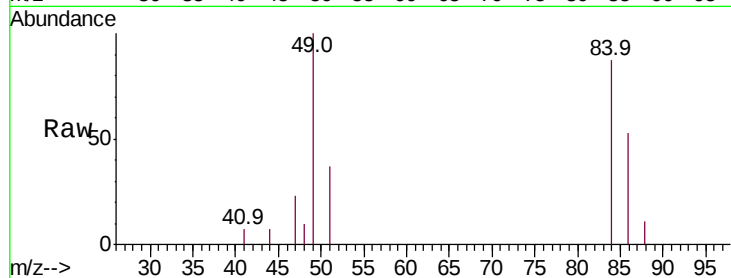




#20
Methvlene Chloride
Concen: 2.066 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN065018.D
Acq: 9 Dec 2020 14:14

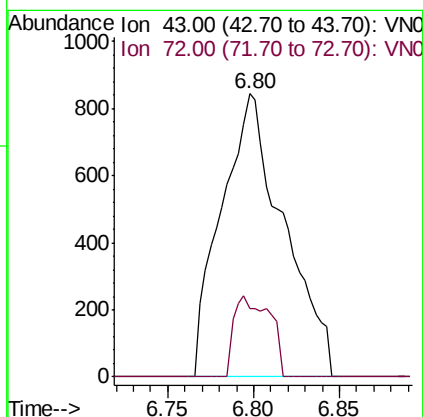
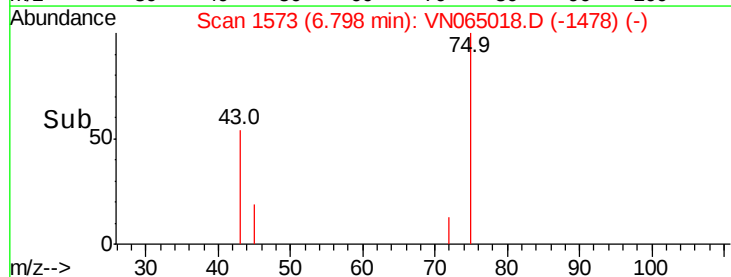
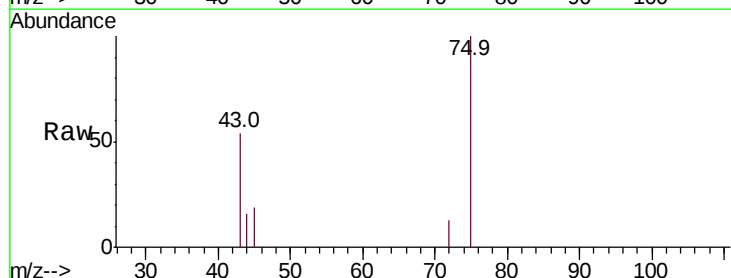
Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#19

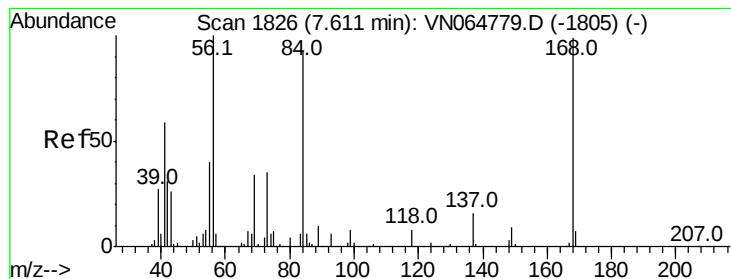
Tot Ion: 84 Resp: 4113
Ion Ratio Lower Upper
84 100
49 115.5 93.4 140.0
51 42.4 28.2 42.4#
86 60.8 51.7 77.5



#25
2-Butanone
Concen: 2.070 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN065018.D
Acq: 9 Dec 2020 14:14

Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
72 24.2 21.0 31.6





#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#19

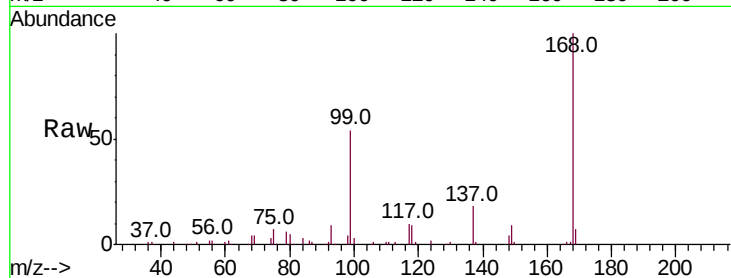
Tot Ion: 56 Resp: 2947

Ion Ratio Lower Upper

56 100

69 161.6 27.5 41.3#

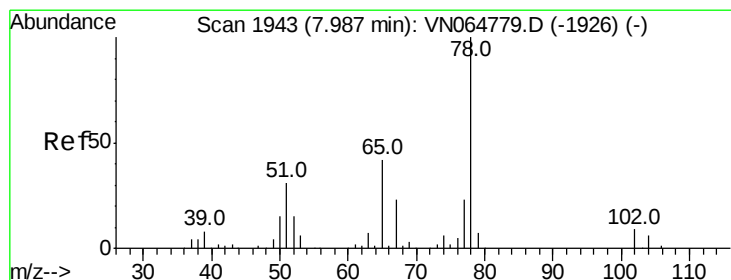
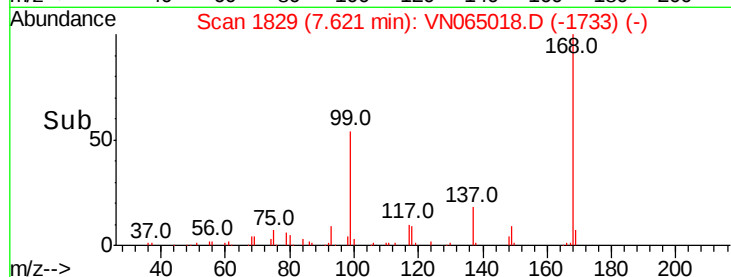
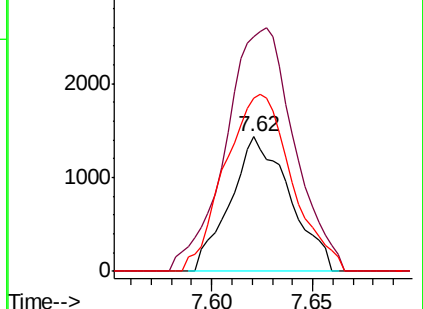
84 118.7 73.9 110.9#



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: 55.463 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN065018.D

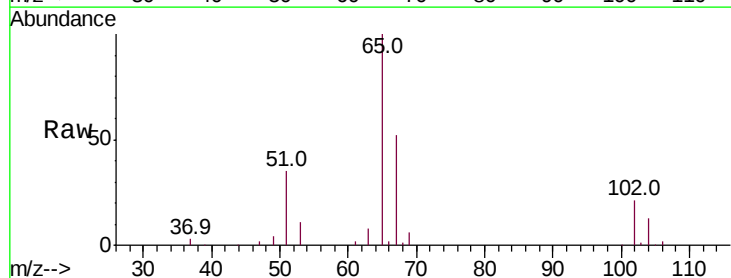
Acq: 9 Dec 2020 14:14

Tgt Ion: 65 Resp: 107215

Ion Ratio Lower Upper

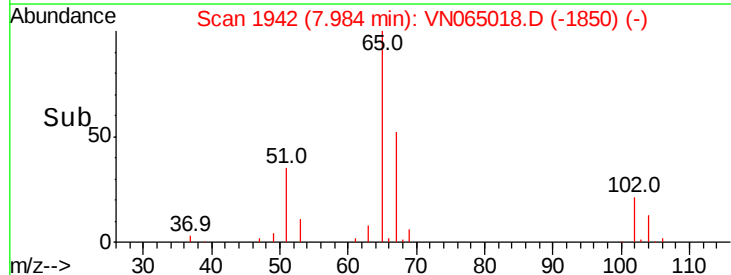
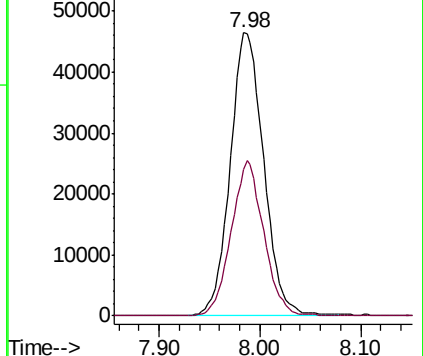
65 100

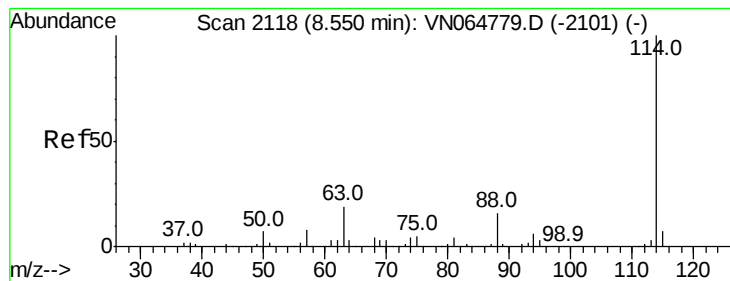
67 53.2 0.0 108.2



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# 2118

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#19

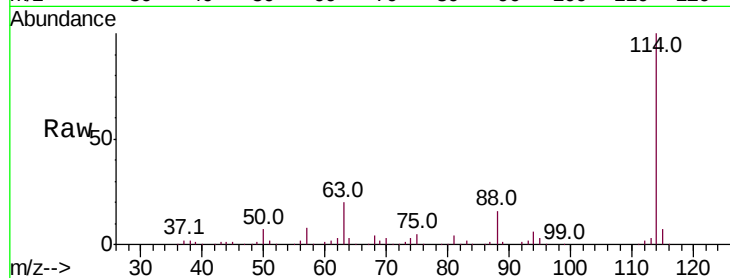
Tot Ion:114 Resp: 308527

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

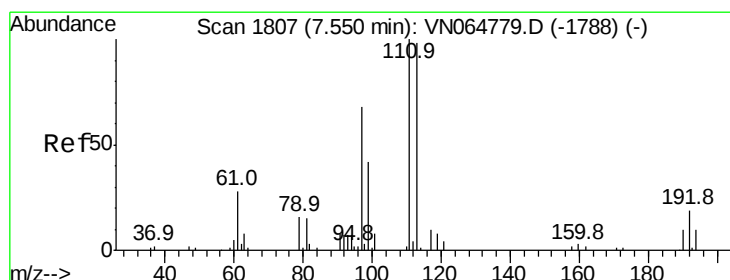
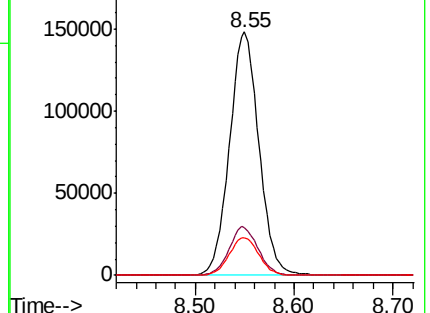
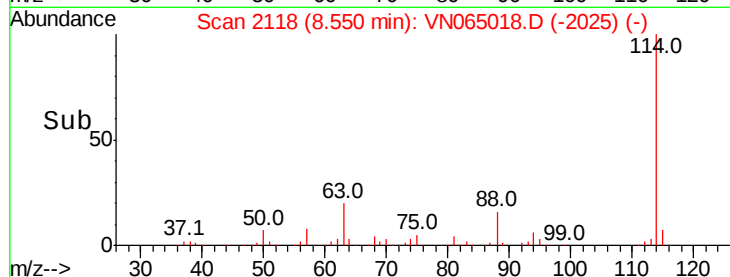
88 15.6 0.0 32.6



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: 53.072 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

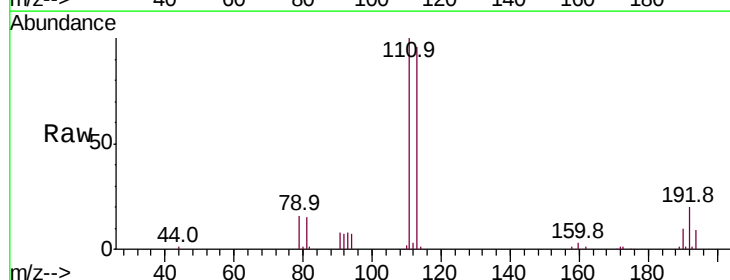
Tgt Ion:113 Resp: 97978

Ion Ratio Lower Upper

113 100

111 103.7 81.6 122.4

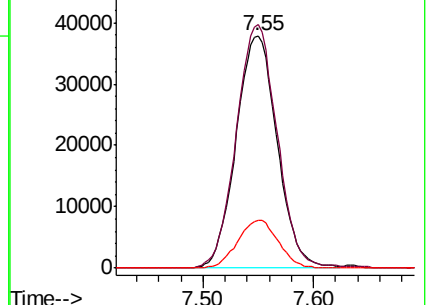
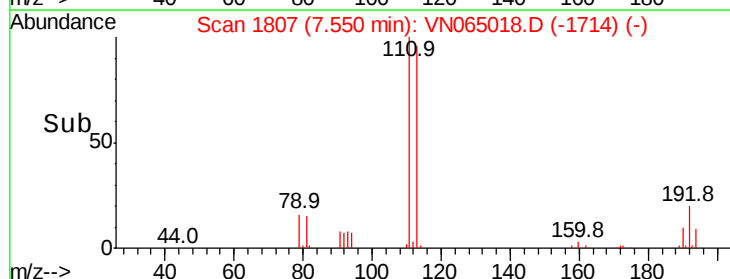
192 20.3 16.2 24.2

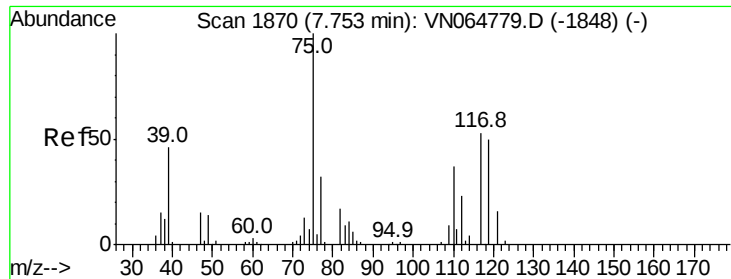


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

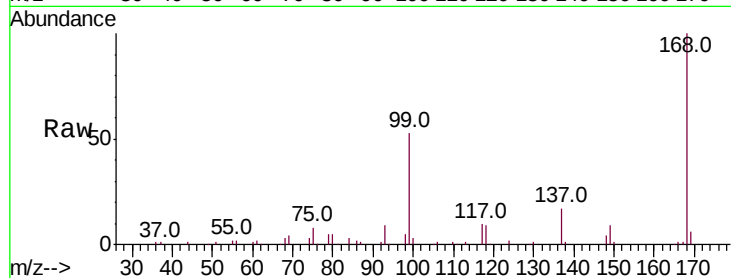




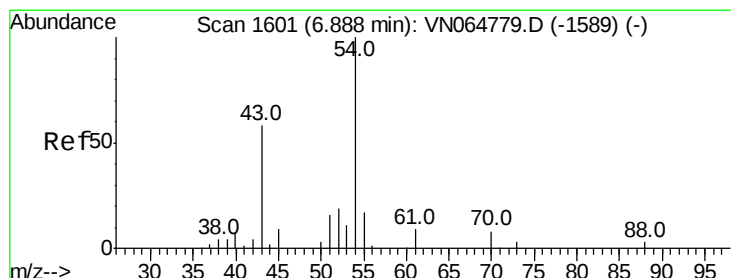
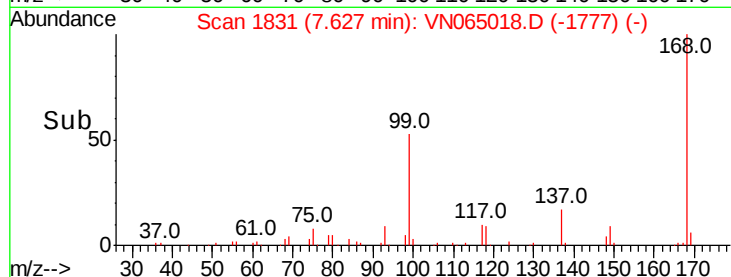
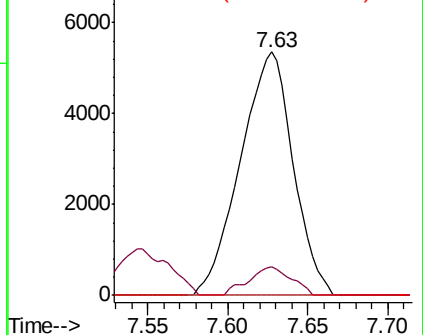
#36
 1,1-Dichloropropene
 Concen: 4.233 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN065018.D
 Acq: 9 Dec 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#19

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.8	53.3#
77	0.0	25.0	37.4#

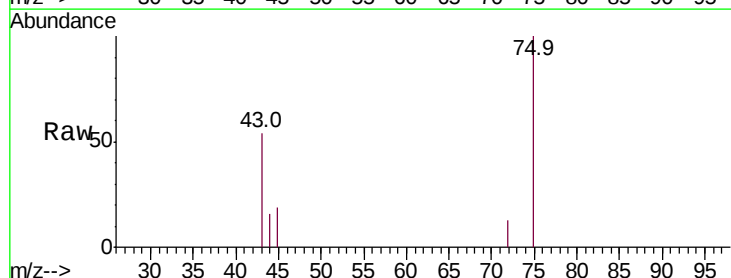


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

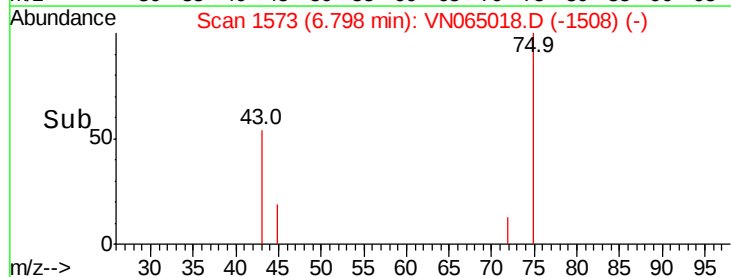
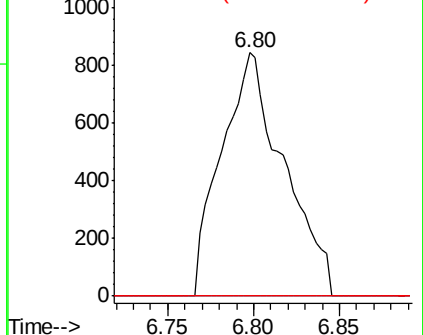


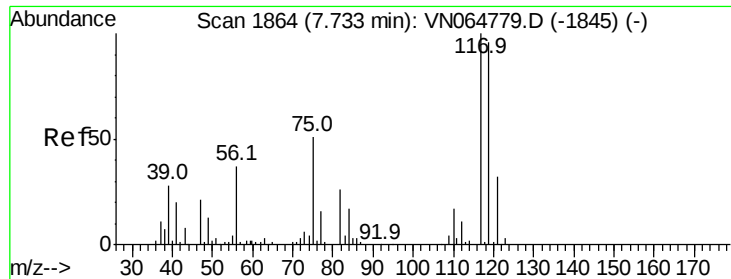
#37
 Ethyl Acetate
 Concen: 0.774 ug/l
 RT: 6.80 min Scan# 1573
 Delta R.T. -0.09 min
 Lab File: VN065018.D
 Acq: 9 Dec 2020 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



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

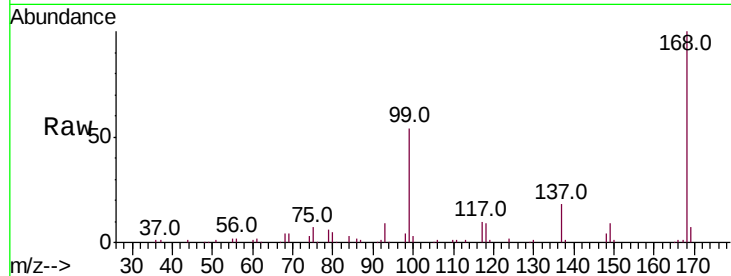




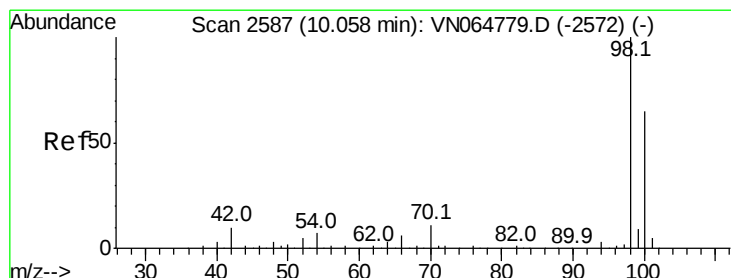
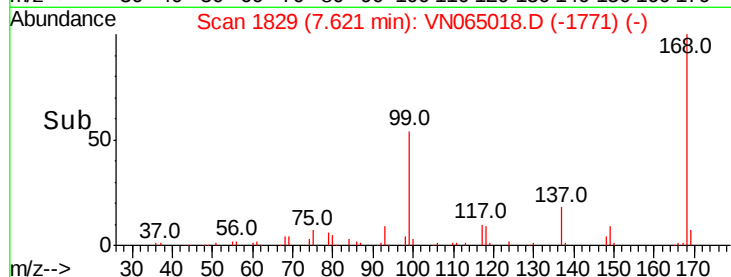
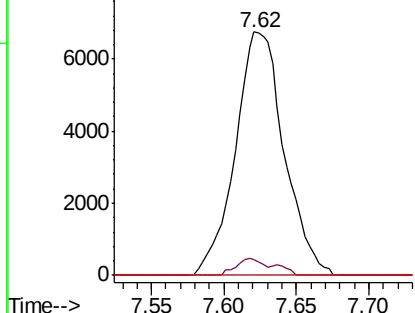
#38
Carbon Tetrachloride
Concen: 5.320 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.11 min
Lab File: VN065018.D
Acq: 9 Dec 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#19

Tot Ion:117 Resp: 15829
Ion Ratio Lower Upper
117 100
119 6.5 76.7 115.1#
121 0.0 25.4 38.2#

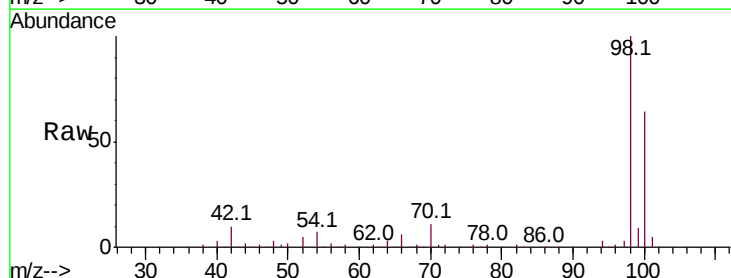


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

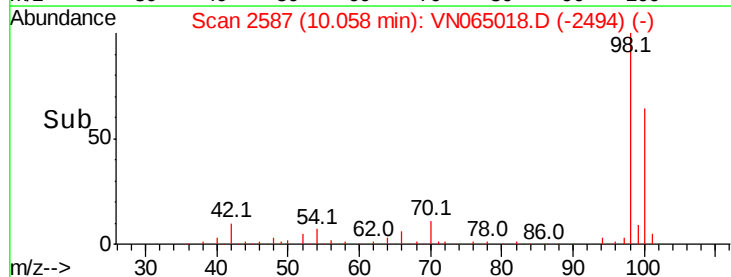
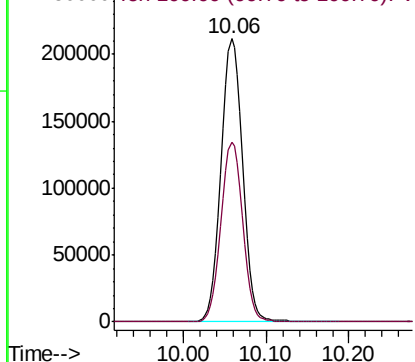


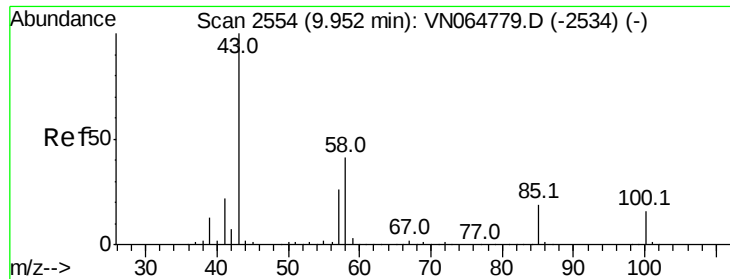
#50
Toluene-d8
Concen: 50.661 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065018.D
Acq: 9 Dec 2020 14:14

Tgt Ion: 98 Resp: 382143
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.247 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

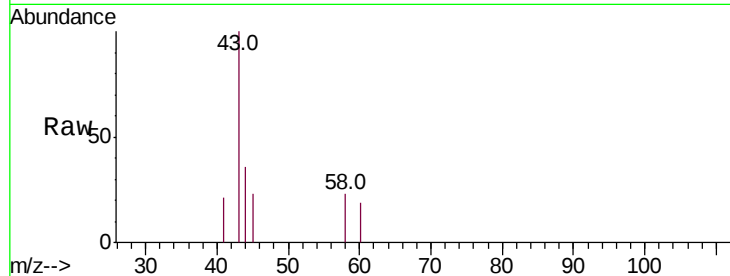
PB133473ZHE#19

Tot Ion: 43 Resp: 657

Ion Ratio Lower Upper

43 100

58 15.2 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

800

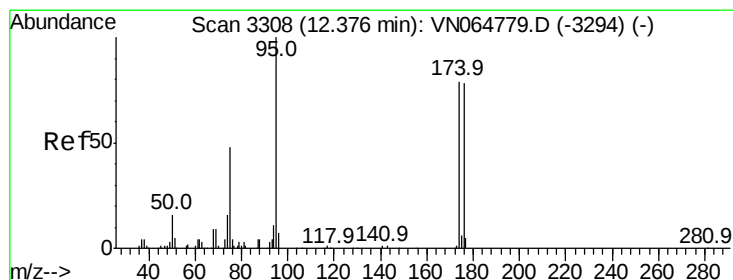
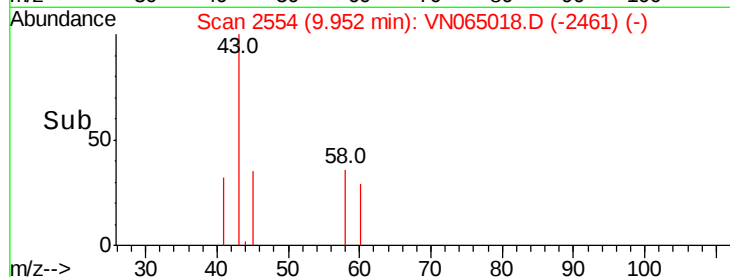
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.673 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

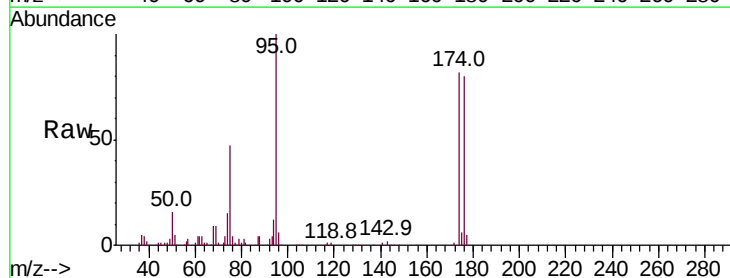
Tgt Ion: 95 Resp: 139493

Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.4

176 80.0 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

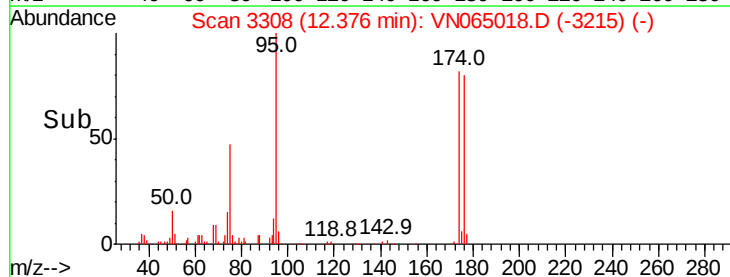
60000

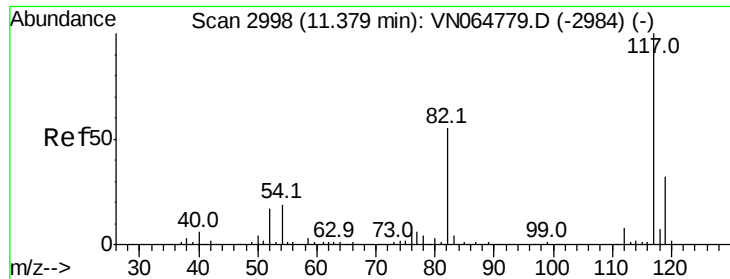
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#19

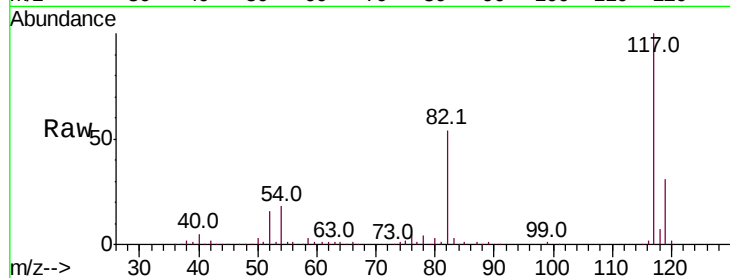
Tot Ion:117 Resp: 318171

Ion Ratio Lower Upper

117 100

82 53.8 44.2 66.2

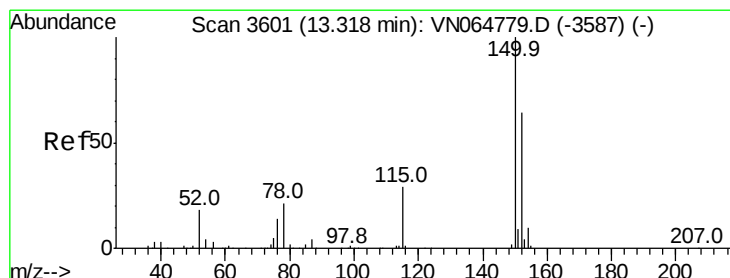
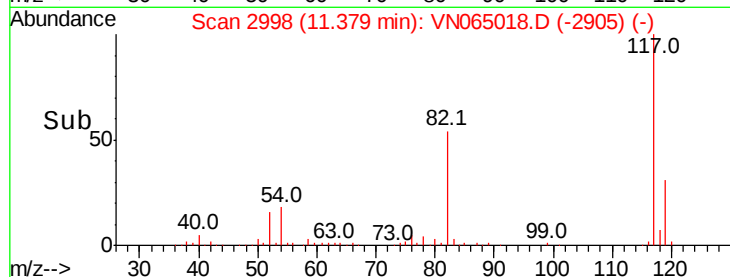
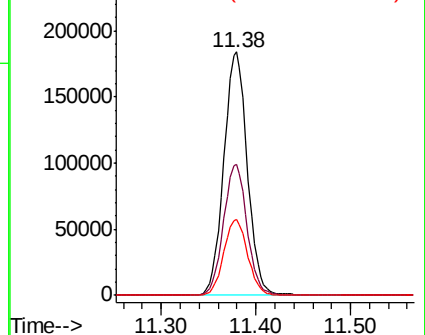
119 31.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

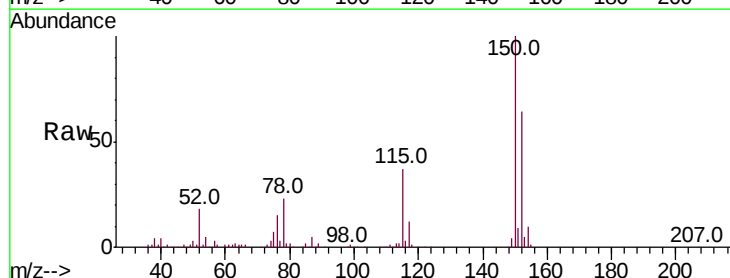
Tgt Ion:152 Resp: 132804

Ion Ratio Lower Upper

152 100

115 57.9 29.7 89.1

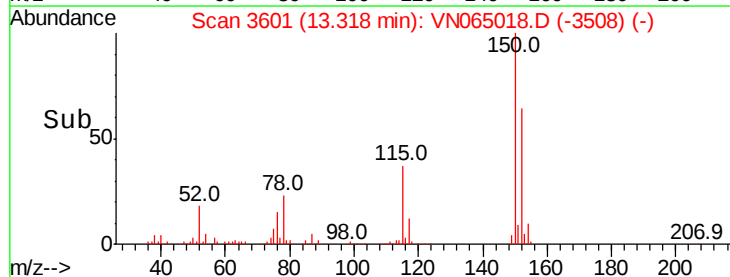
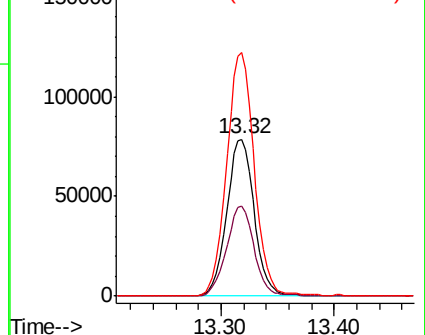
150 156.1 0.0 350.6

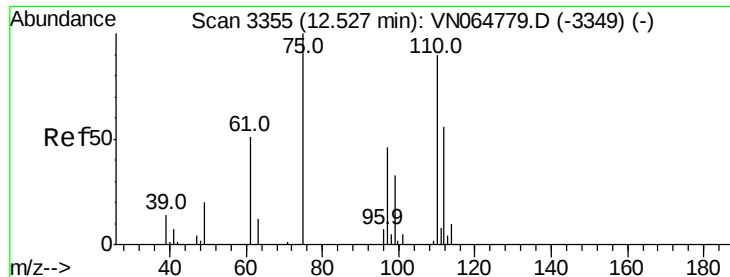


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.054 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

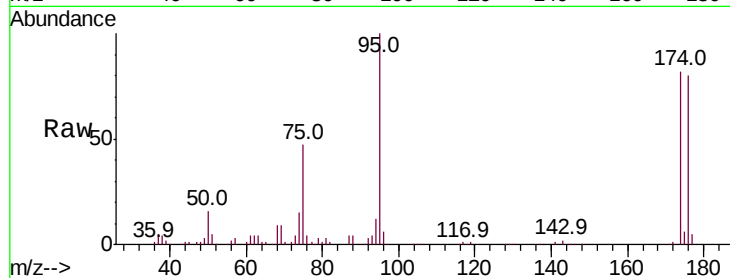
PB133473ZHE#19

Tot Ion: 75 Resp: 65936

Ion Ratio Lower Upper

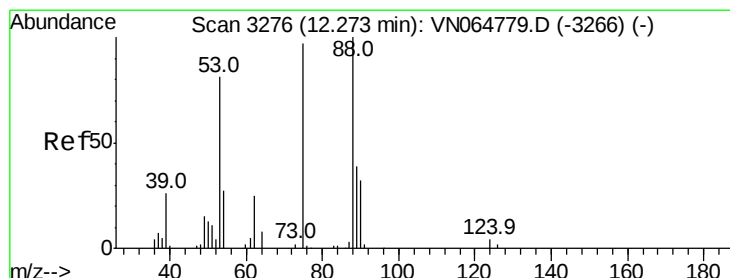
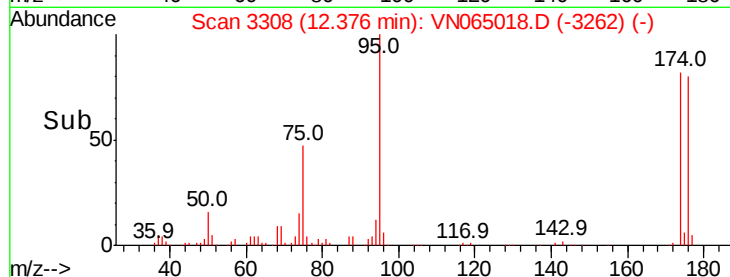
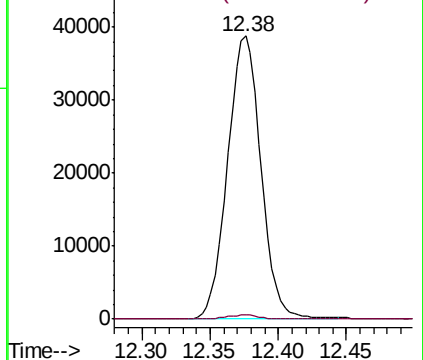
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.186 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065018.D

Acq: 9 Dec 2020 14:14

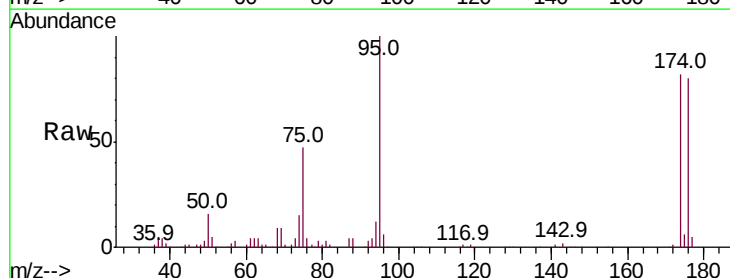
Tgt Ion: 75 Resp: 65936

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

