

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065016.D
 Acq On : 9 Dec 2020 13:25
 Operator : JC/MD
 Sample : PB133473ZHE#17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#17

Quant Time: Dec 10 04:07:29 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	7.62	168	166374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105997	54.80	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.60%
35) Dibromofluoromethane	7.55	113	99327	53.81	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.62%
50) Toluene-d8	10.06	98	381934	50.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.28%
62) 4-Bromofluorobenzene	12.38	95	140891	52.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.38%

Target Compounds

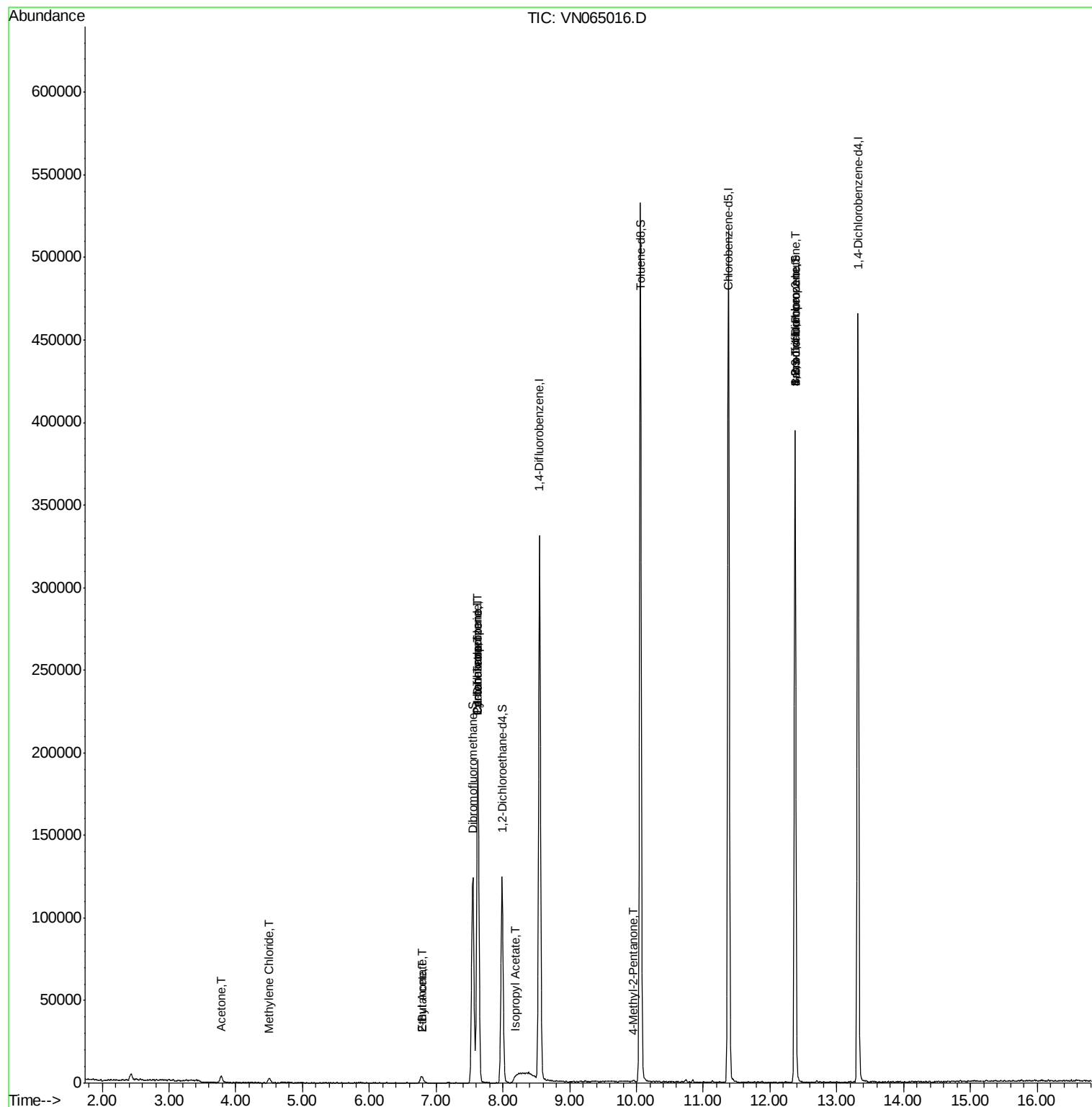
					Qvalue	
16) Acetone	3.78	43	7699	12.109	ug/l	97
20) Methylene Chloride	4.50	84	1045	0.524	ug/l	97
25) 2-Butanone	6.80	43	1816	1.762	ug/l	99
31) Cyclohexane	7.62	56	3250	1.206	ug/l #	9
36) 1,1-Dichloropropene	7.62	75	11490	4.018	ug/l #	45
37) Ethyl Acetate	6.80	43	1816	0.659	ug/l #	66
38) Carbon Tetrachloride	7.62	117	15786	5.305	ug/l #	15
43) Isopropyl Acetate	8.18	43	1805	0.407	ug/l #	59
51) 4-Methyl-2-Pentanone	9.96	43	545	0.205	ug/l #	76
71) Bromoform	12.37	173	785	0.392	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	69360	23.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69360	64.856	ug/l #	15

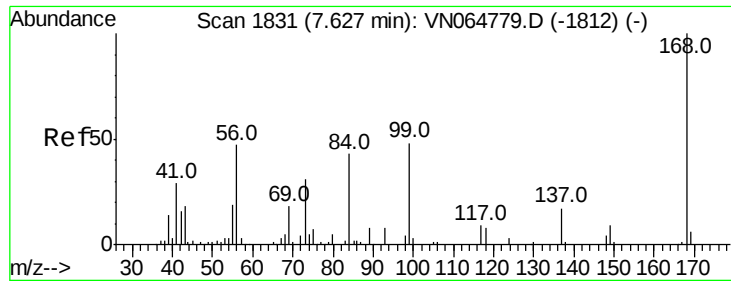
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120920\
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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

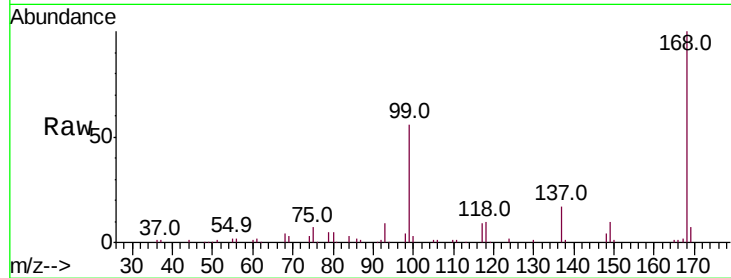
PB133473ZHE#17

Tot Ion:168 Resp: 166374

Ion Ratio Lower Upper

168 100

99 55.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

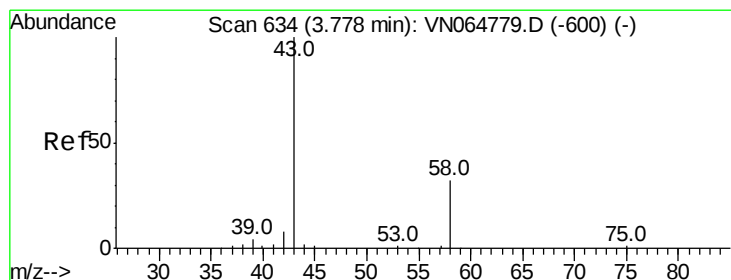
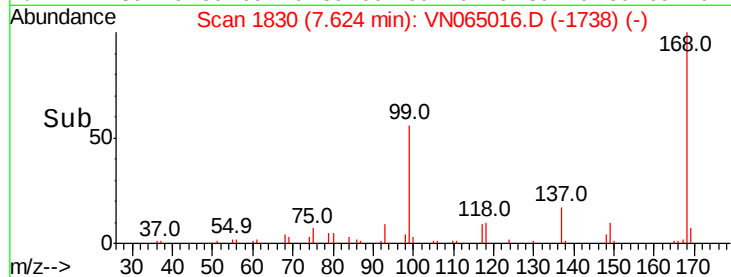
40000

20000

0

7.50 7.60 7.70

Time-->



#16

Acetone

Concen: 12.109 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN065016.D

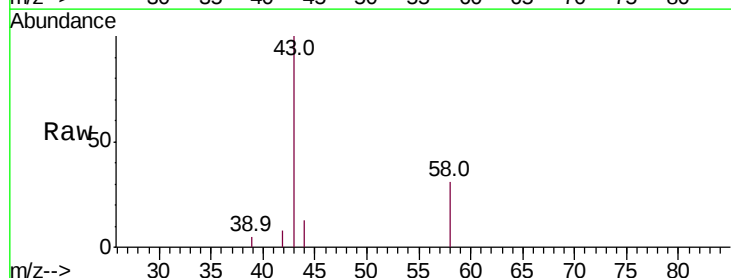
Acq: 9 Dec 2020 13:25

Tgt Ion: 43 Resp: 7699

Ion Ratio Lower Upper

43 100

58 30.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

3000

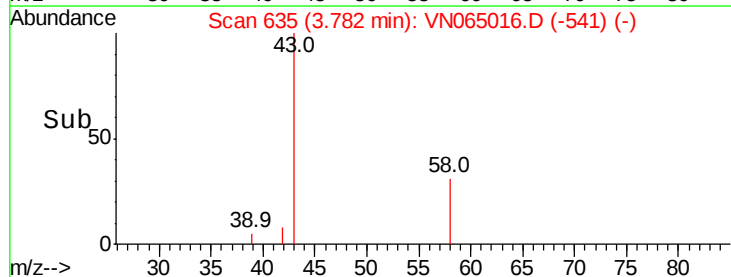
2000

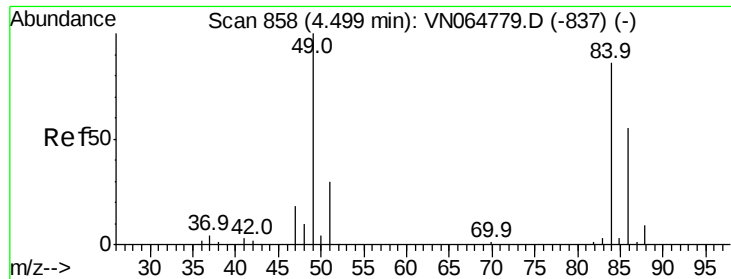
1000

0

3.70 3.75 3.80 3.85

Time-->

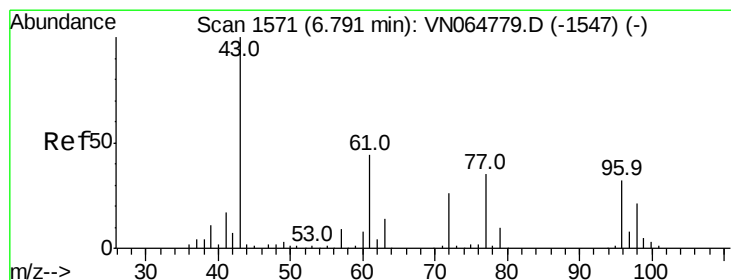
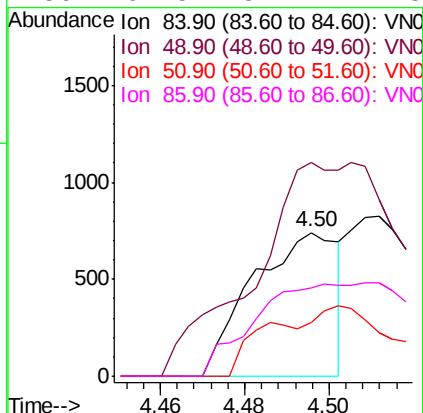
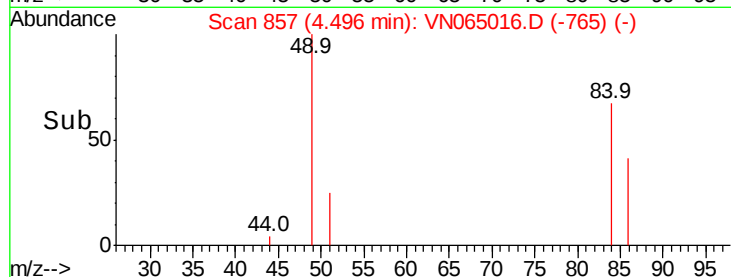
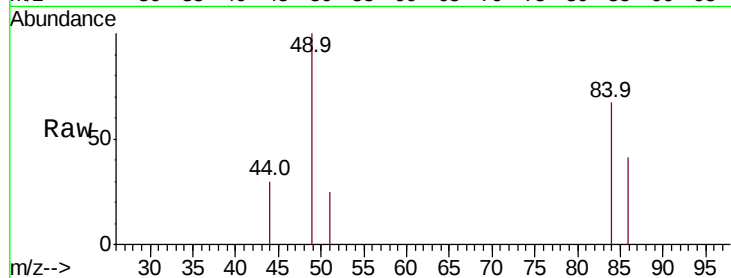




#20
Methvlene Chloride
Concen: 0.524 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN065016.D
Acq: 9 Dec 2020 13:25

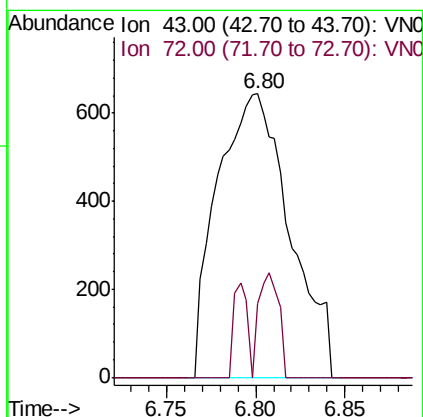
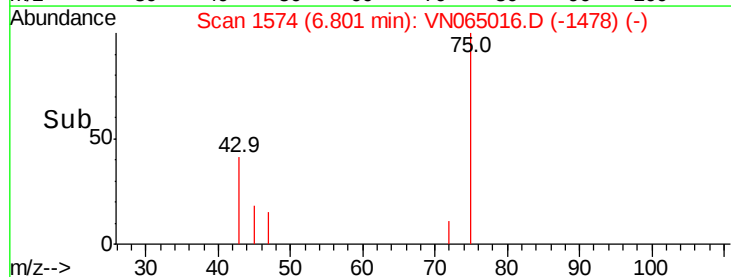
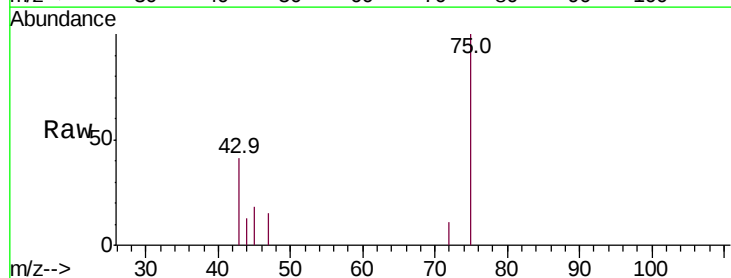
Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#17

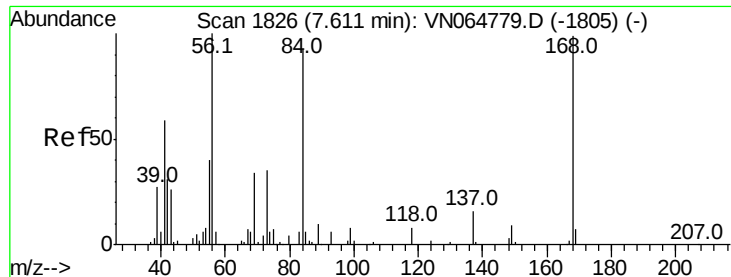
Tot Ion: 84 Resp: 1045
Ion Ratio Lower Upper
84 100
49 114.1 93.4 140.0
51 37.2 28.2 42.4
86 61.5 51.7 77.5



#25
2-Butanone
Concen: 1.762 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN065016.D
Acq: 9 Dec 2020 13:25

Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
72 25.8 21.0 31.6

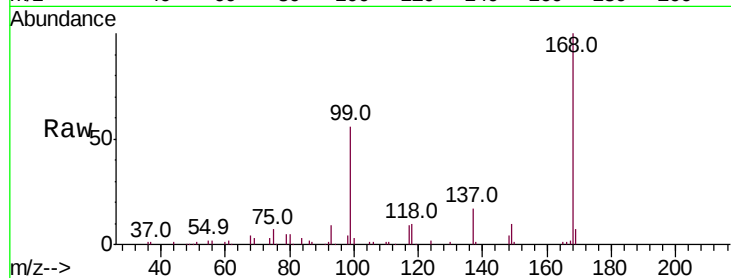




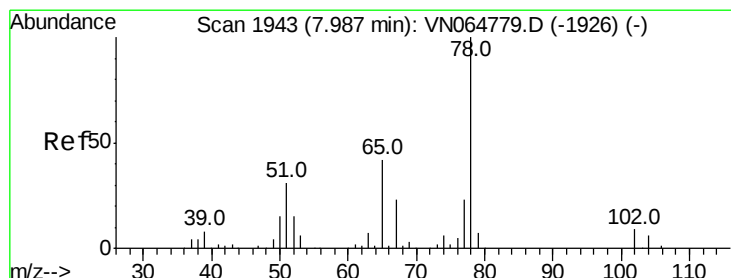
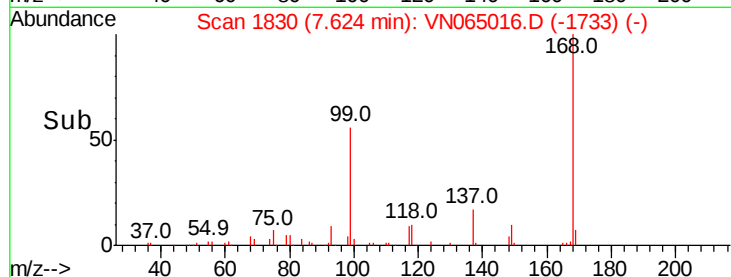
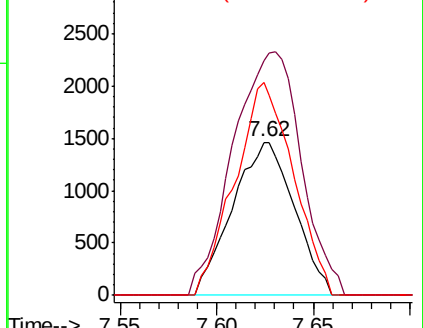
#31
Cvclohexane
Concen: 1.206 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN065016.D
Acq: 9 Dec 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :
PB133473ZHE#17

Tot Ion: 56 Resp: 3250
Ion Ratio Lower Upper
56 100
69 153.1 27.5 41.3#
84 138.9 73.9 110.9#

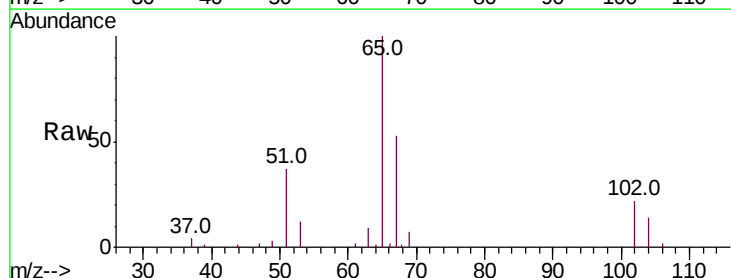


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

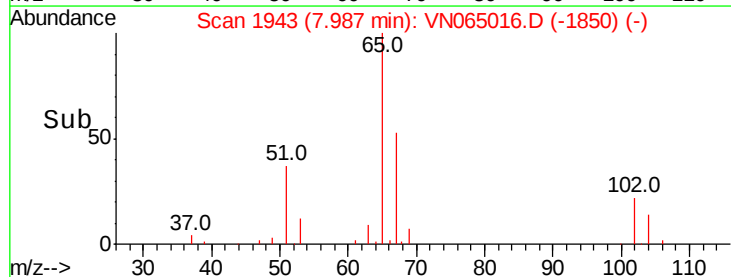
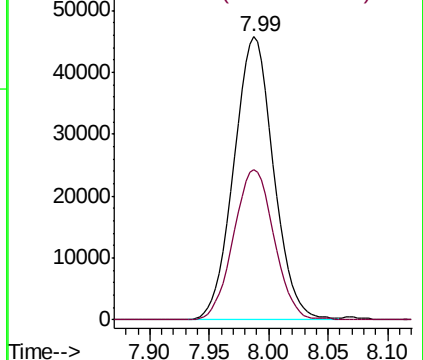


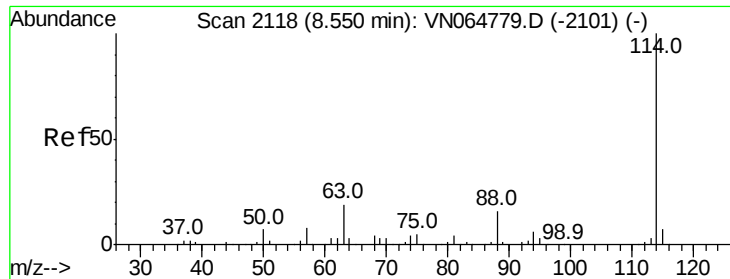
#33
1,2-Dichloroethane-d4
Concen: 54.801 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN065016.D
Acq: 9 Dec 2020 13:25

Tgt Ion: 65 Resp: 105997
Ion Ratio Lower Upper
65 100
67 54.1 0.0 108.2



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

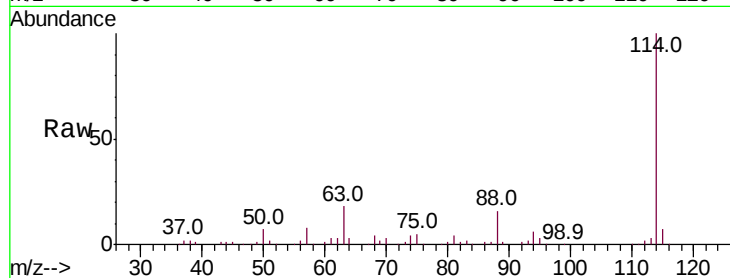




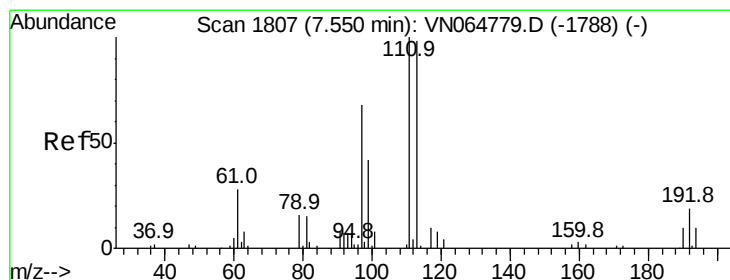
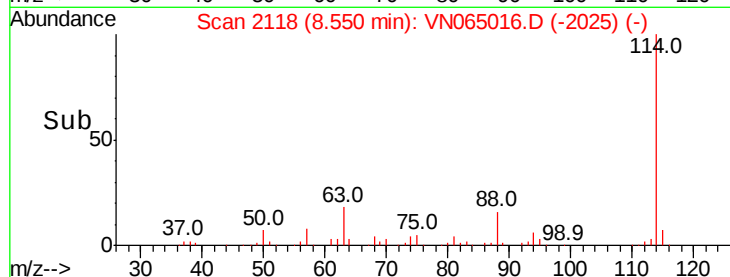
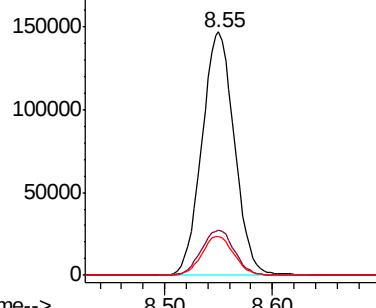
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065016.D
 Acq: 9 Dec 2020 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#17

Tot Ion:114 Resp: 308514
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.6
 88 16.1 0.0 32.6

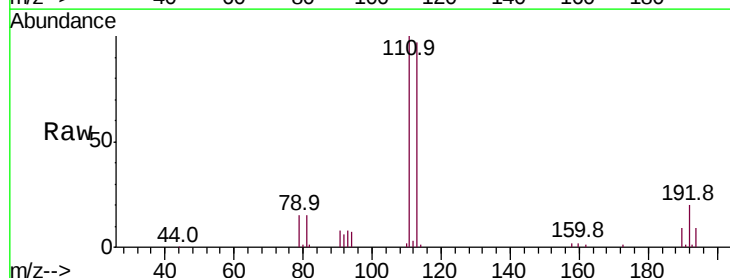


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

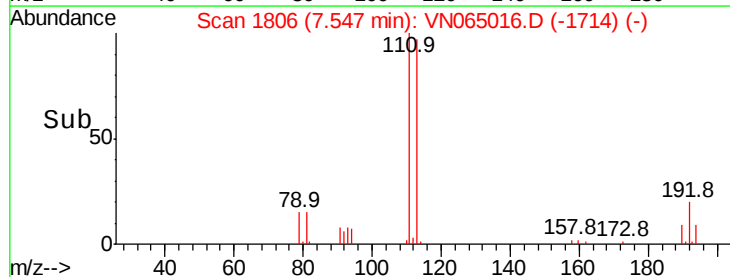
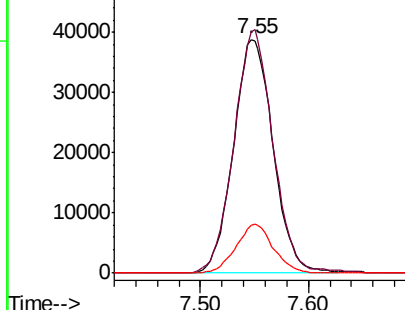


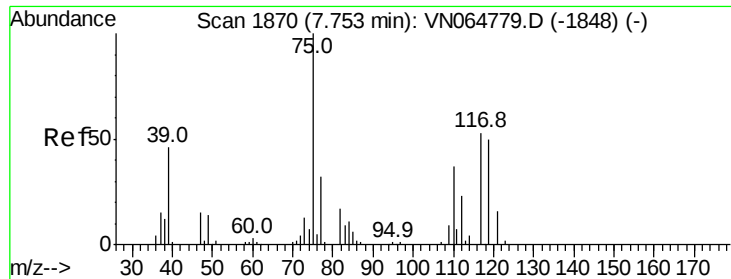
#35
 Dibromofluoromethane
 Concen: 53.805 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN065016.D
 Acq: 9 Dec 2020 13:25

Tgt Ion:113 Resp: 99327
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.6 122.4
 192 19.5 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

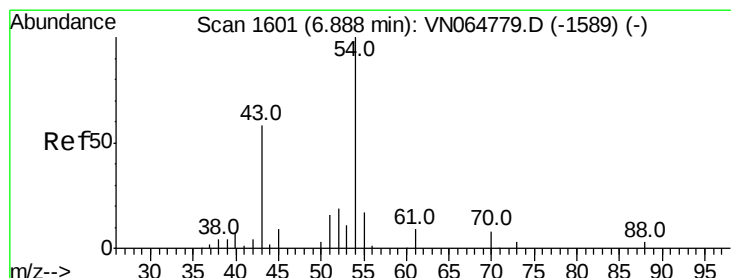
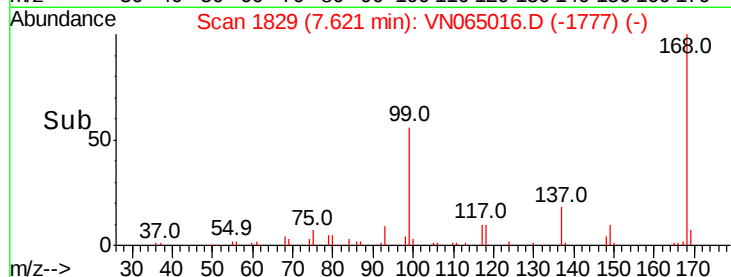
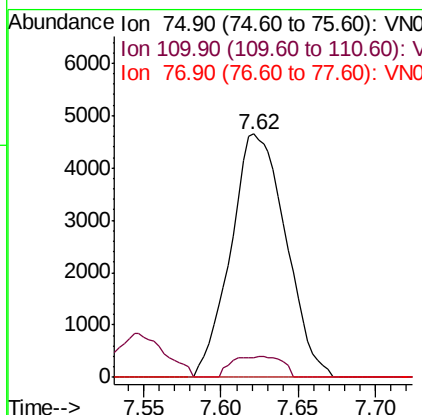
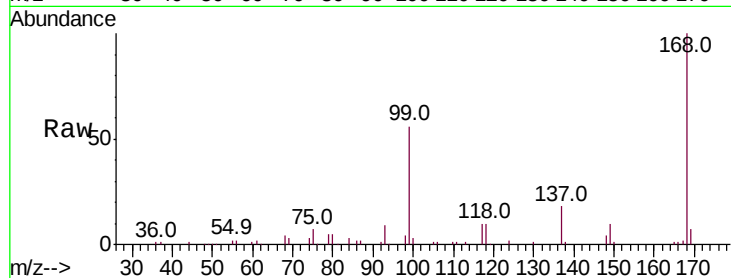




#36
 1,1-Dichloropropene
 Concen: 4.018 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN065016.D
 Acq: 9 Dec 2020 13:25

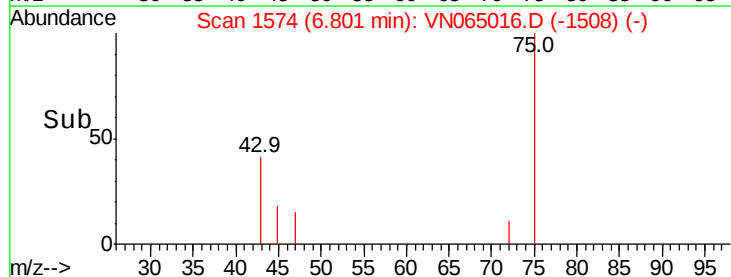
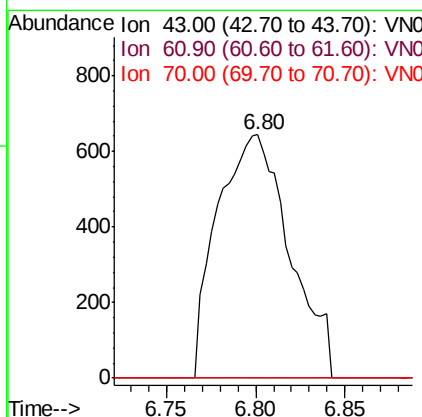
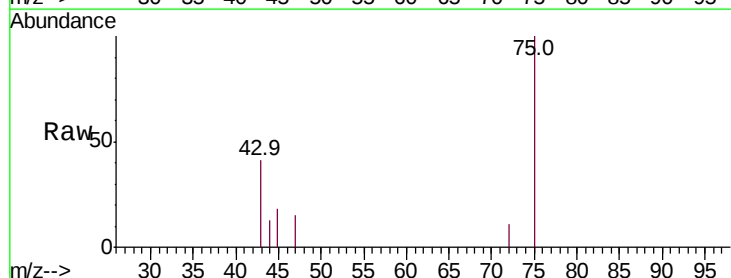
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#17

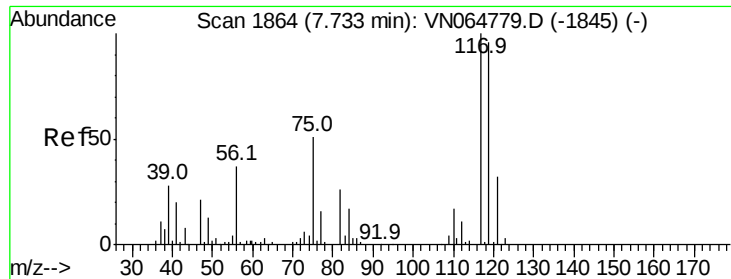
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.8	17.8	53.3#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 0.659 ug/l
 RT: 6.80 min Scan# 1574
 Delta R.T. -0.09 min
 Lab File: VN065016.D
 Acq: 9 Dec 2020 13:25

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

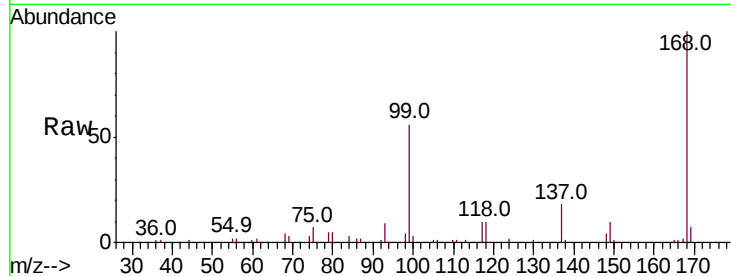




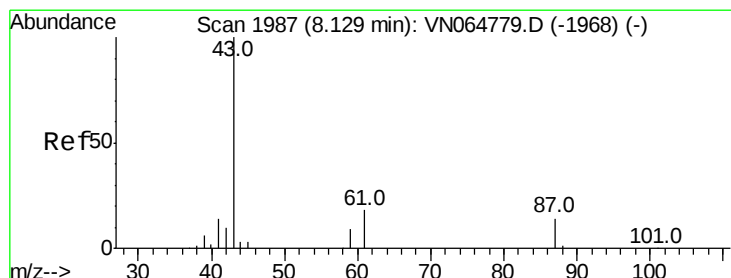
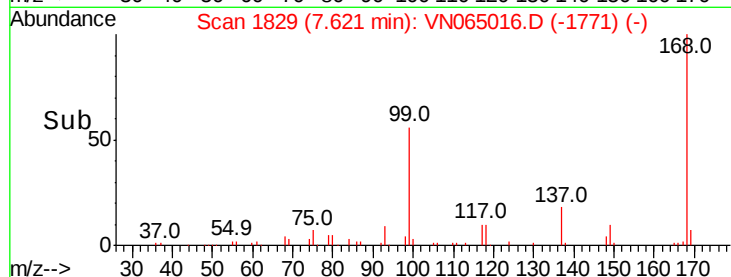
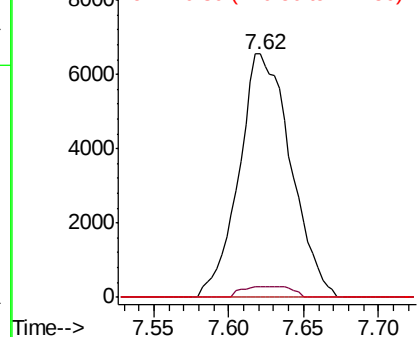
#38
 Carbon Tetrachloride
 Concen: 5.305 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN065016.D
 Acq: 9 Dec 2020 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473ZHE#17

Tot Ion:117 Resp: 15786
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.7 115.1#
 121 0.0 25.4 38.2#

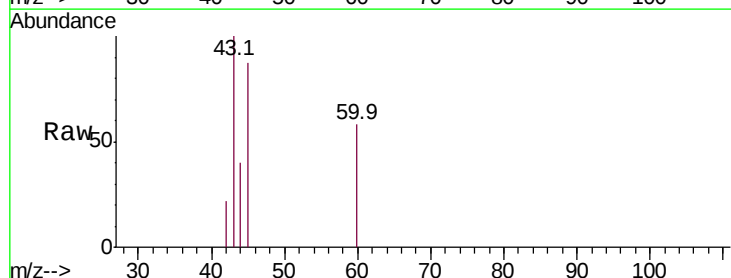


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

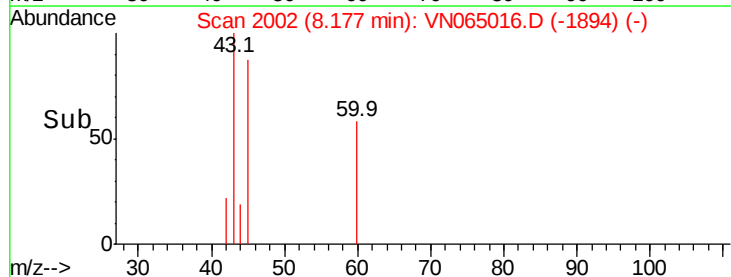
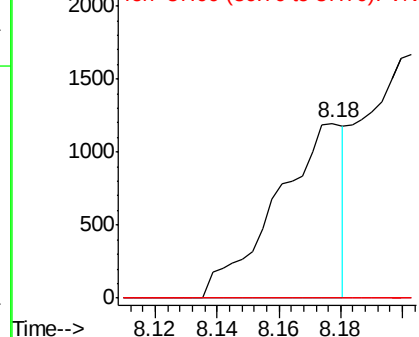


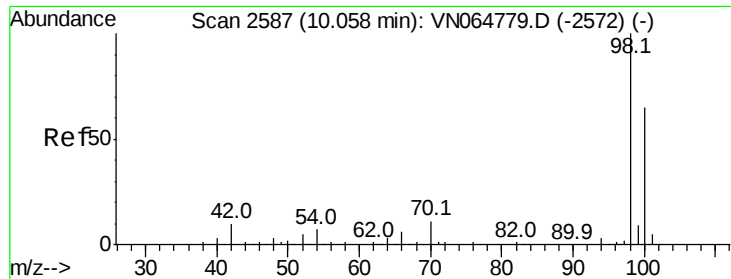
#43
 Isopropyl Acetate
 Concen: 0.407 ug/l
 RT: 8.18 min Scan# 2002
 Delta R.T. 0.05 min
 Lab File: VN065016.D
 Acq: 9 Dec 2020 13:25

Tgt Ion: 43 Resp: 1805
 Ion Ratio Lower Upper
 43 100
 61 0.0 17.2 25.8#
 87 0.0 11.4 17.0#



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





#50

Toluene-d8

Concen: 50.635 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

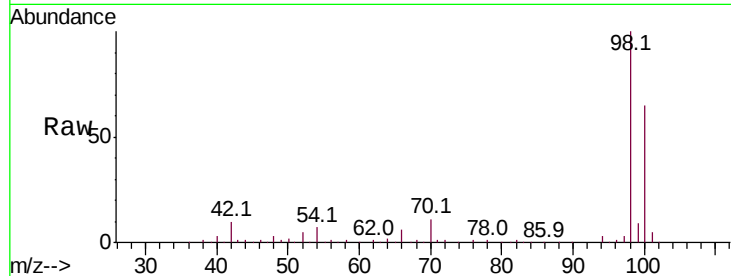
PB133473ZHE#17

Tot Ion: 98 Resp: 381934

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

250000

200000

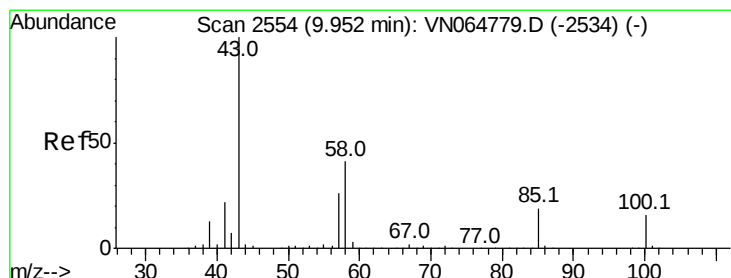
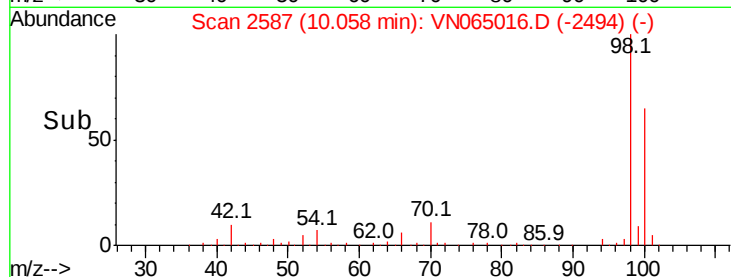
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.205 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN065016.D

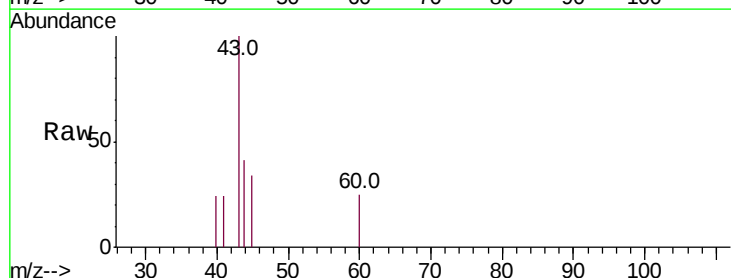
Acq: 9 Dec 2020 13:25

Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 25.5 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.96

800

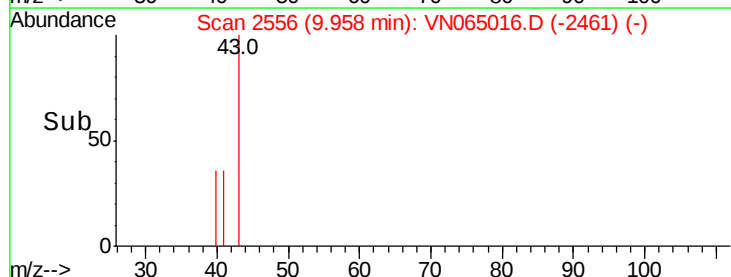
600

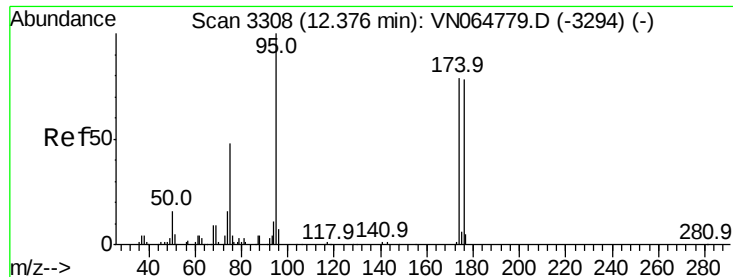
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.193 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#17

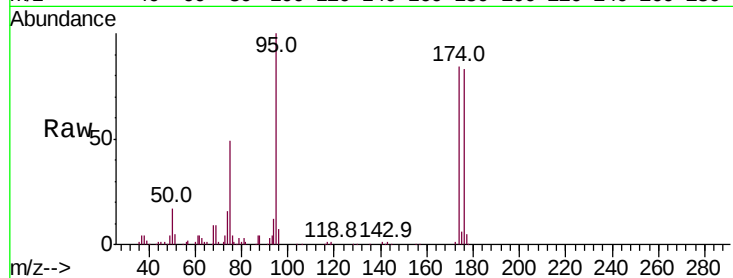
Tot Ion: 95 Resp: 140891

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

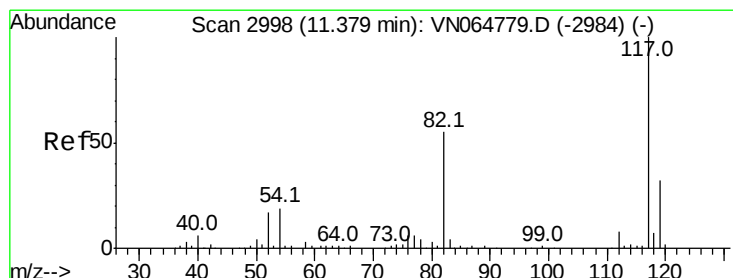
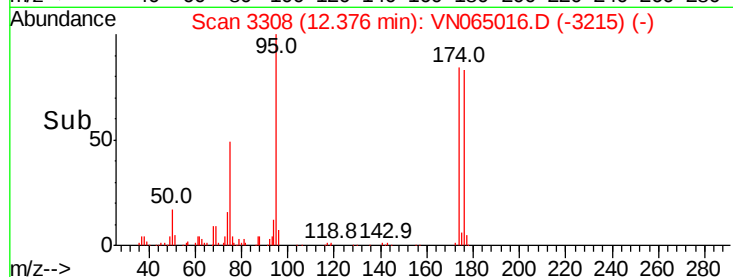
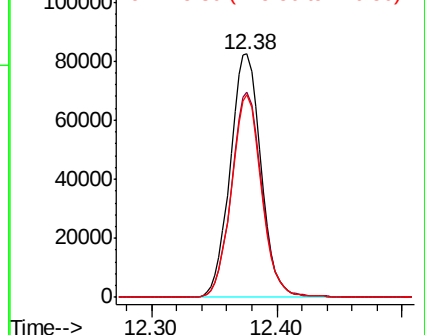
176 81.1 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

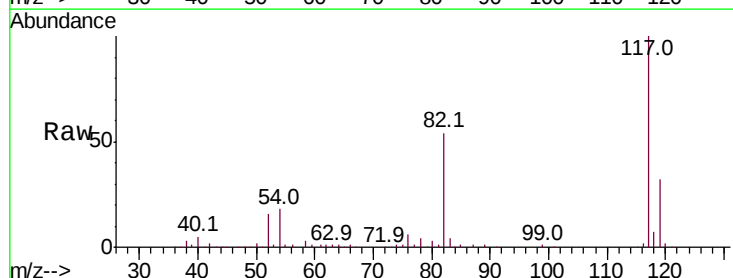
Tgt Ion: 117 Resp: 317571

Ion Ratio Lower Upper

117 100

82 53.5 44.2 66.2

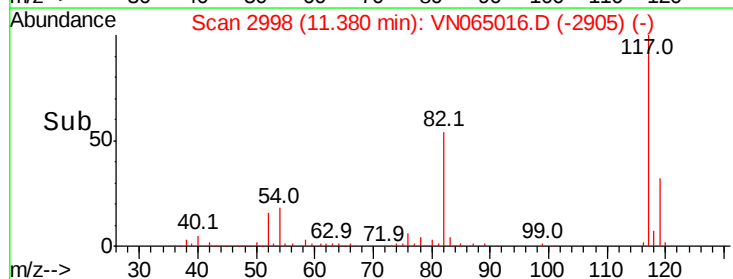
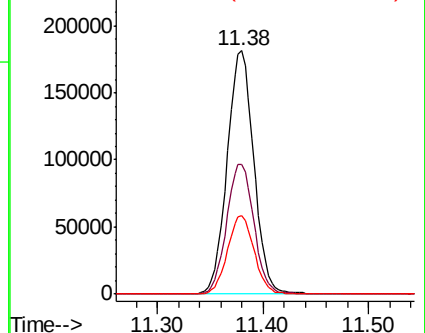
119 32.3 25.8 38.6

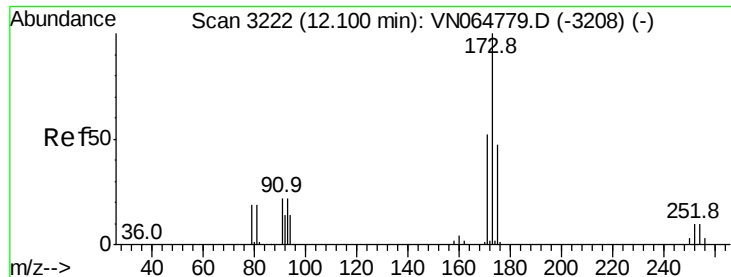


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.392 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

PB133473ZHE#17

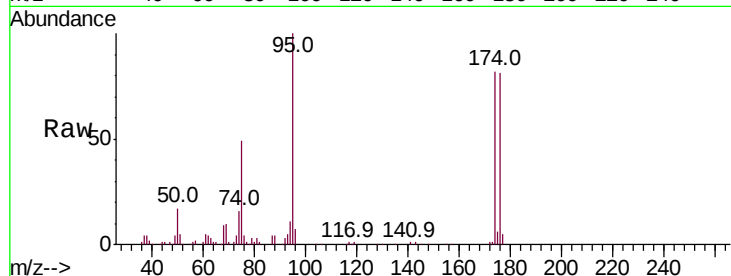
Tot Ion:173 Resp: 785

Ion Ratio Lower Upper

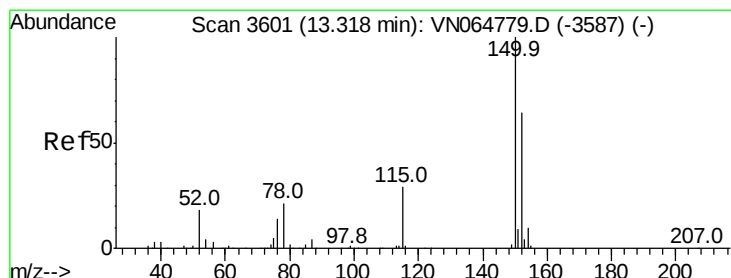
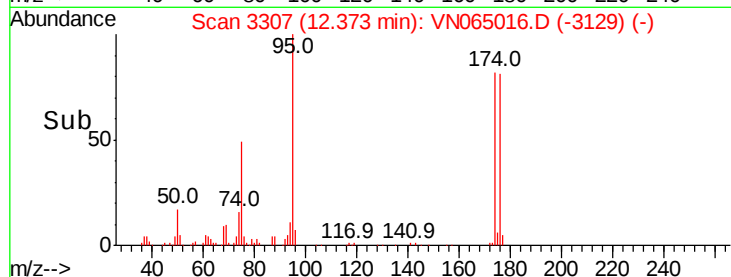
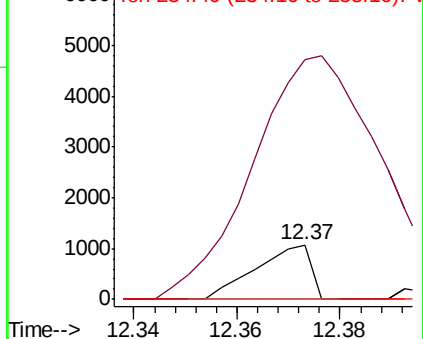
173 100

175 889.6 24.3 72.8#

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# 3601

Delta R.T. 0.00 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

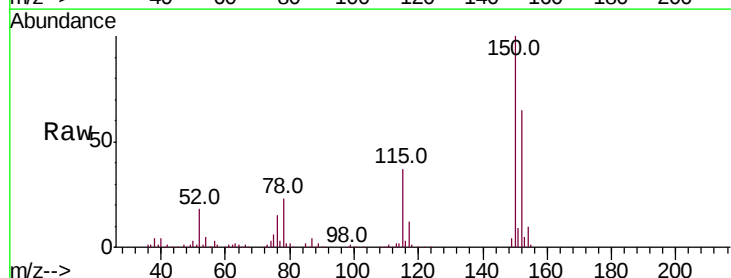
Tgt Ion:152 Resp: 136103

Ion Ratio Lower Upper

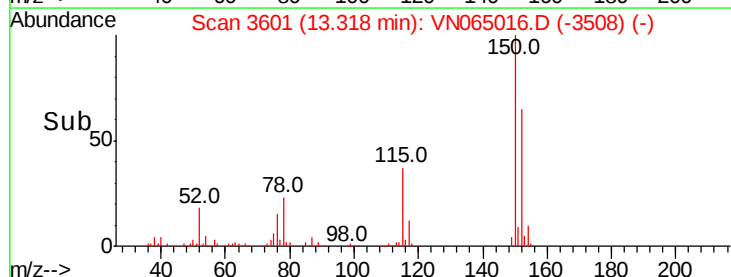
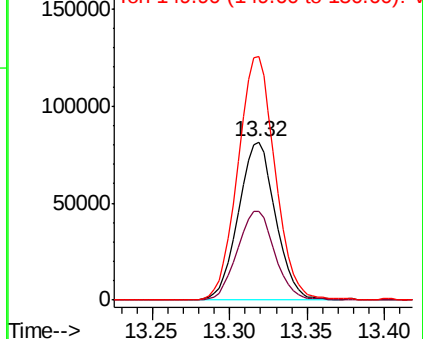
152 100

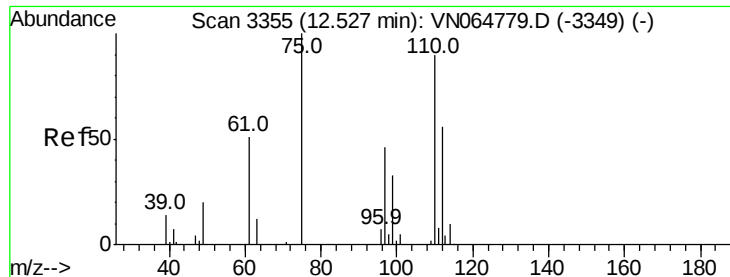
115 56.8 29.7 89.1

150 155.1 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: 23.664 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

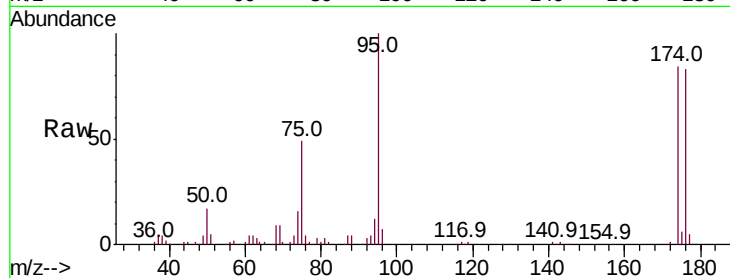
PB133473ZHE#17

Tot Ion: 75 Resp: 69360

Ion Ratio Lower Upper

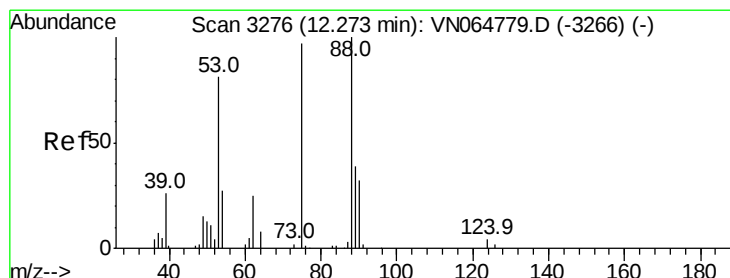
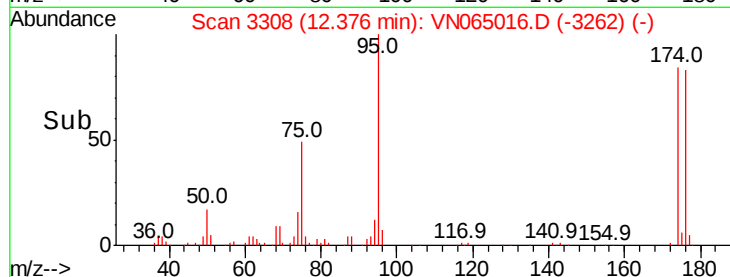
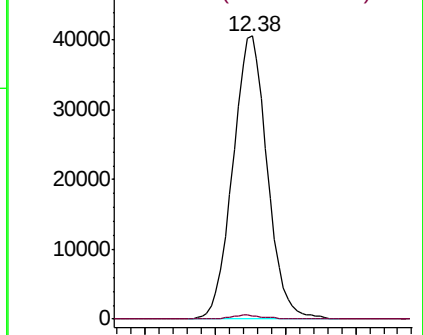
75 100

77 1.2 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: 64.856 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065016.D

Acq: 9 Dec 2020 13:25

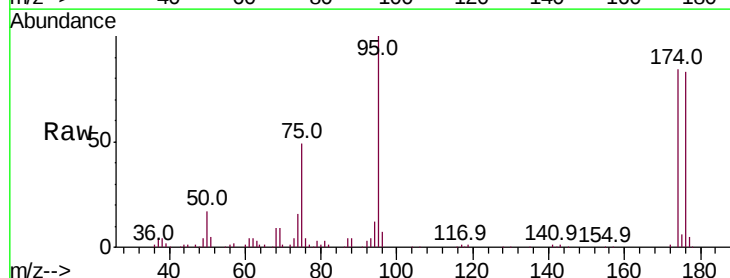
Tgt Ion: 75 Resp: 69360

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

