

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065034.D
 Acq On : 9 Dec 2020 20:39
 Operator : JC/MD
 Sample : PB133472ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133472ZHE#15

Quant Time: Dec 10 04:10:24 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	161621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141400	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	108897	57.96	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	115.92%		
35) Dibromofluoromethane	7.55	113	99281	51.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.98%		
50) Toluene-d8	10.06	98	405627	51.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.98%		
62) 4-Bromofluorobenzene	12.38	95	148320	52.61	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.22%		

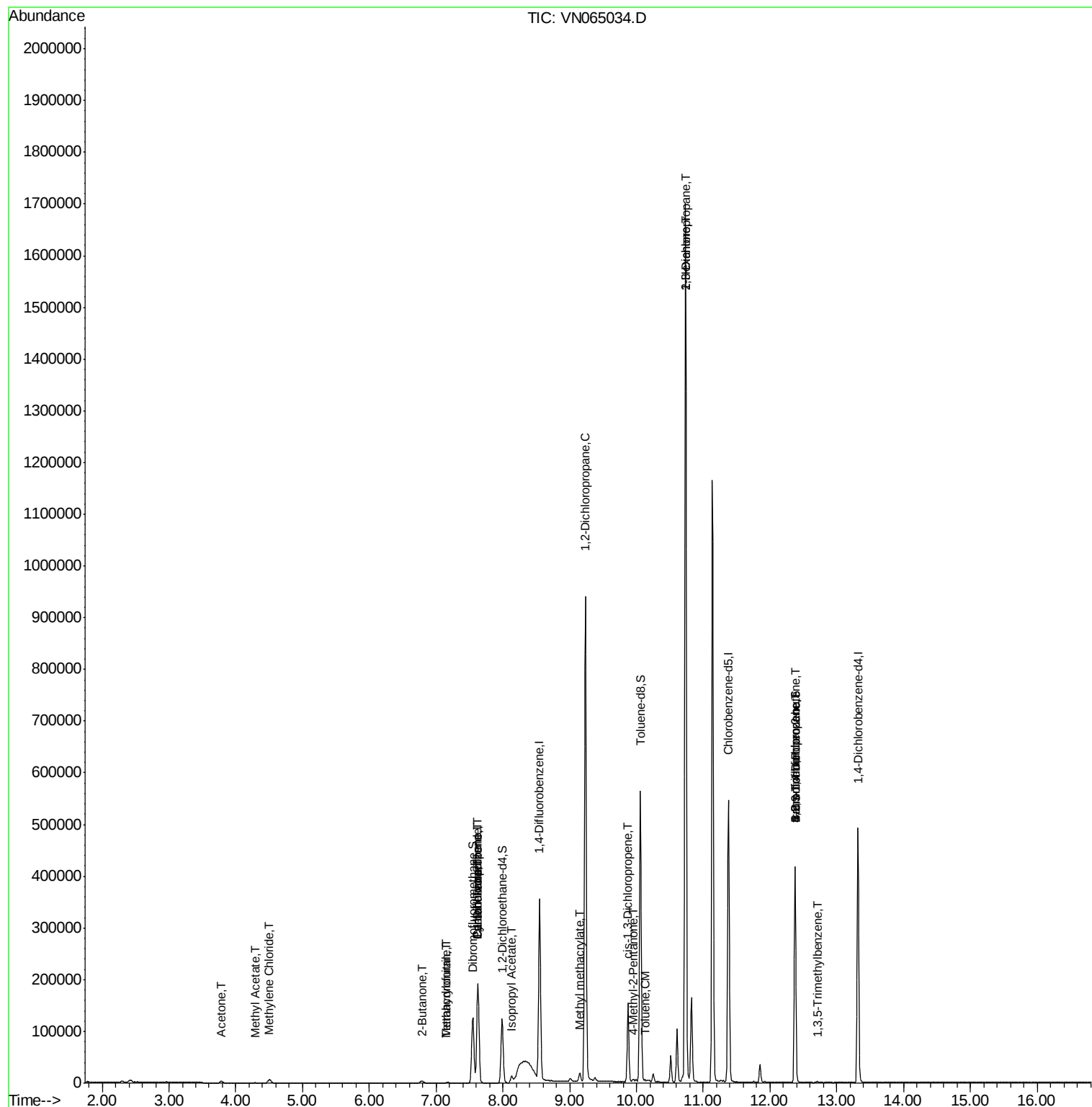
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5904	9.559	ug/l	98
18) Methyl Acetate	4.29	43	987	0.531	ug/l #	63
20) Methylene Chloride	4.50	84	5940	3.069	ug/l	93
25) 2-Butanone	6.80	43	2823	2.819	ug/l #	86
29) Tetrahydrofuran	7.16	42	385	0.557	ug/l #	38
31) Cyclohexane	7.63	56	2824	1.078	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	11385	3.812	ug/l #	49
38) Carbon Tetrachloride	7.63	117	15857	5.102	ug/l #	16
41) Methacrylonitrile	7.16	41	345	0.260	ug/l #	13
43) Isopropyl Acetate	8.13	43	16357	3.533	ug/l	95
45) 1,2-Dichloropropane	9.24	63	1179	0.497	ug/l #	43
48) Methyl methacrylate	9.14	41	3950	1.786	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	3412	1.228	ug/l	95
52) Toluene	10.13	92	1400	0.248	ug/l	82
54) cis-1,3-Dichloropropene	9.87	75	28333	7.449	ug/l #	63
57) 1,3-Dichloropropane	10.73	76	18114	4.738	ug/l #	42
59) 2-Hexanone	10.74	43	231495	115.734	ug/l #	50
71) Bromoform	12.37	173	1111	0.525	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	70033	22.998	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.70	105	1776	0.217	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.37	75	70033	63.032	ug/l #	15

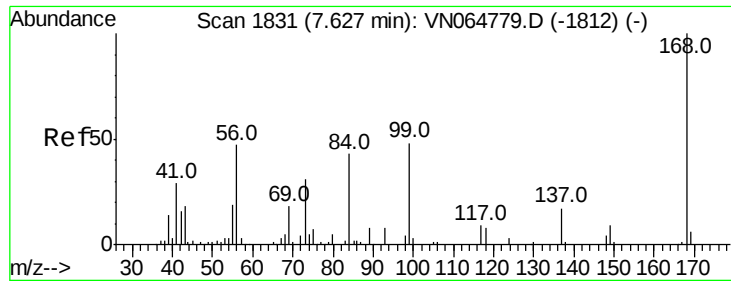
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120920\
Data File : VN065034.D
Acq On : 9 Dec 2020 20:39
Operator : JC/MD
Sample : PB133472ZHE#15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Dec 10 04:10:24 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: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

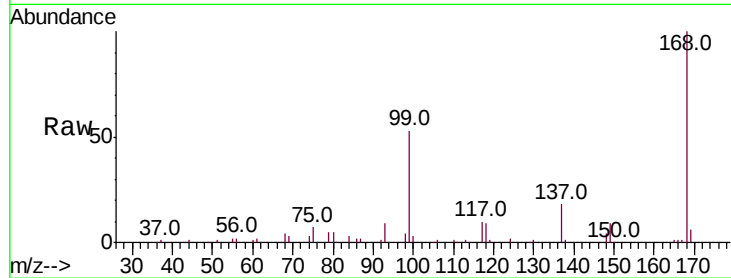
PB133472ZHE#15

Tot Ion:168 Resp: 161621

Ion Ratio Lower Upper

168 100

99 52.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

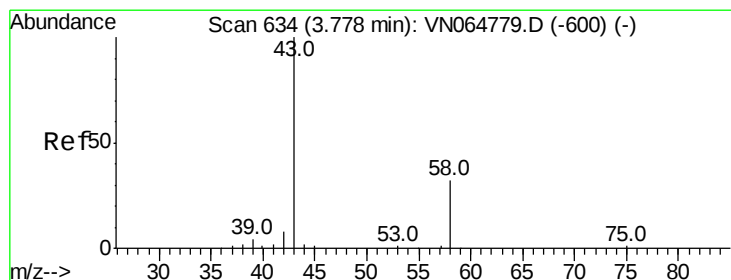
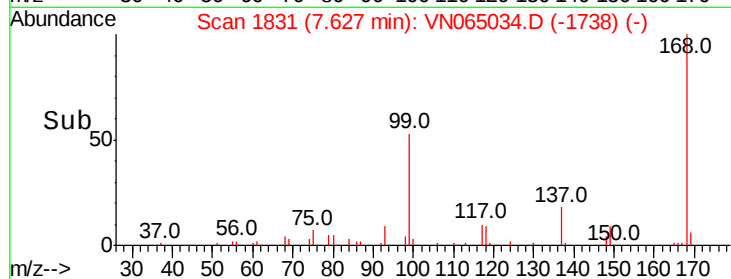
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 9.559 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN065034.D

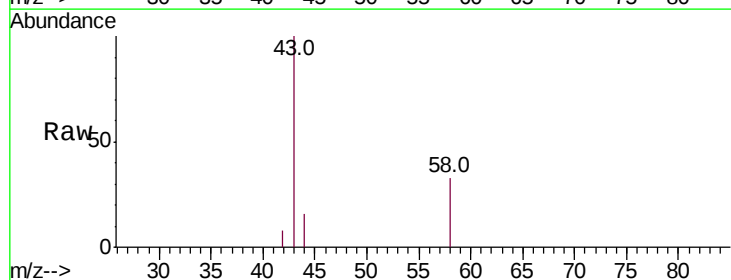
Acq: 9 Dec 2020 20:39

Tgt Ion: 43 Resp: 5904

Ion Ratio Lower Upper

43 100

58 33.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2500

2000

1500

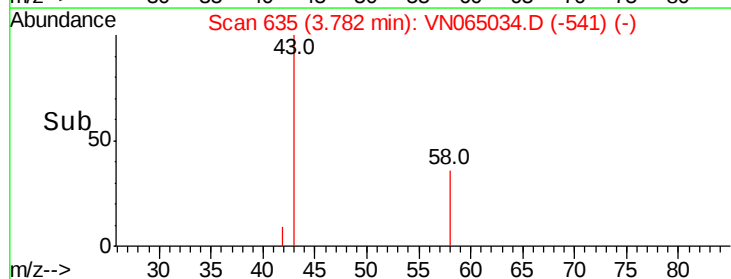
1000

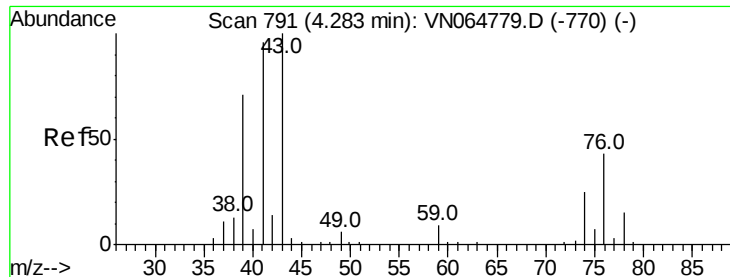
500

0

3.70 3.75 3.80 3.85

Time-->

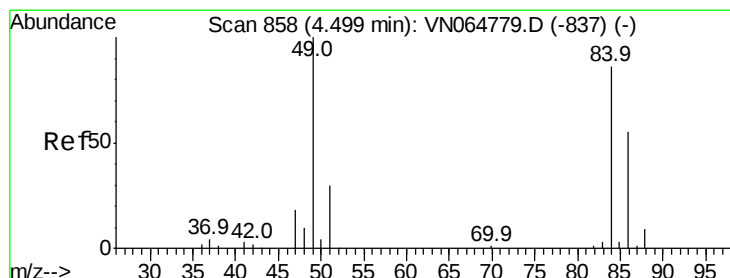
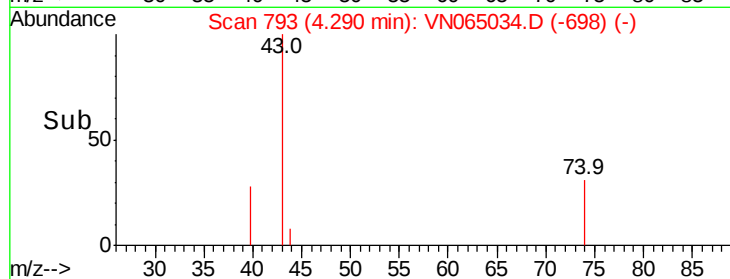
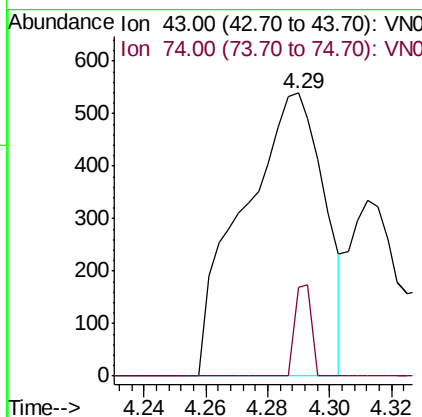
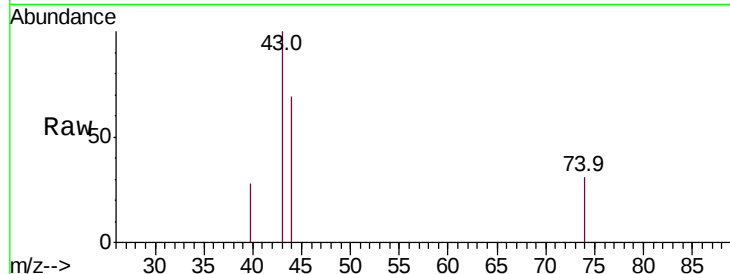




#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN065034.D
Acq: 9 Dec 2020 20:39

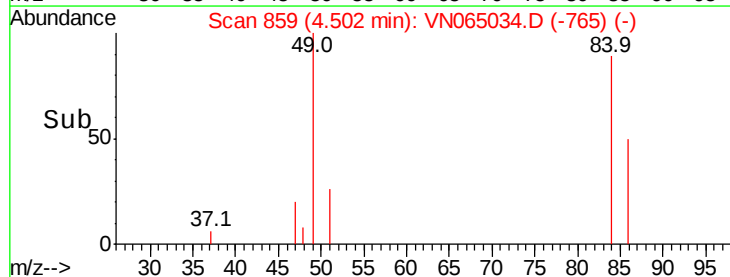
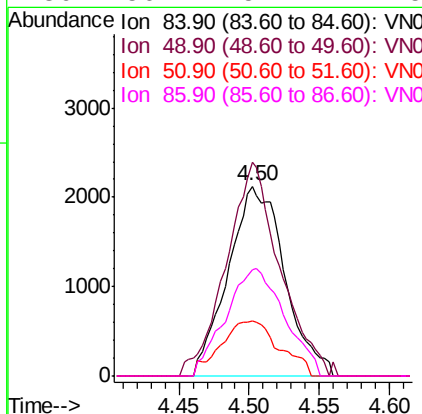
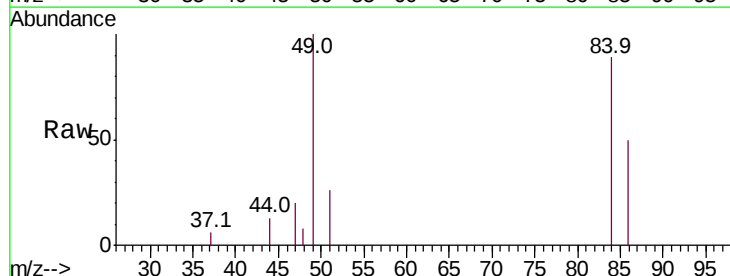
Instrument :
MSVOA_N
ClientSampleId :
PB133472ZHE#15

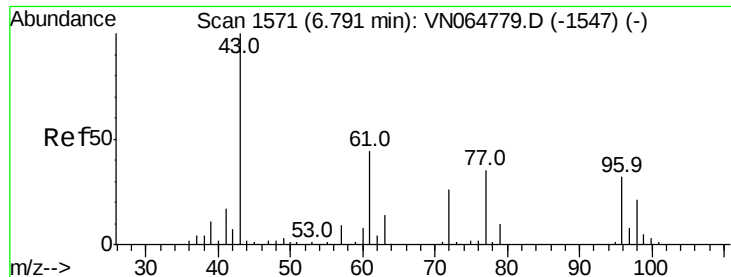
Tot Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
74 6.7 20.2 30.2#



#20
Methylene Chloride
Concen: 3.069 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065034.D
Acq: 9 Dec 2020 20:39

Tgt Ion: 84 Resp: 5940
Ion Ratio Lower Upper
84 100
49 112.6 93.4 140.0
51 29.1 28.2 42.4
86 56.2 51.7 77.5





#25

2-Butanone

Concen: 2.819 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

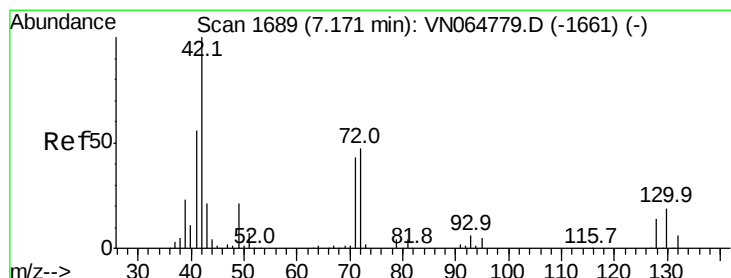
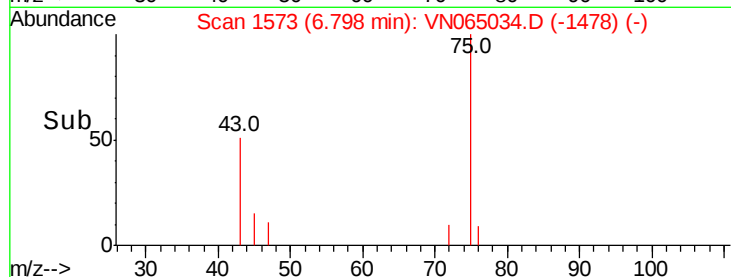
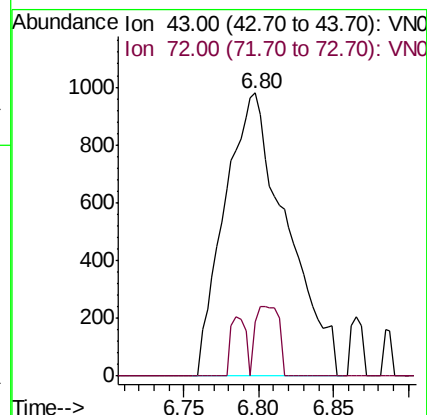
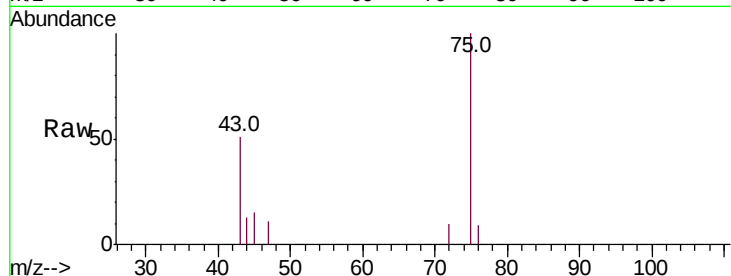
PB133472ZHE#15

Tot Ion: 43 Resp: 2823

Ion Ratio Lower Upper

43 100

72 19.3 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.557 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

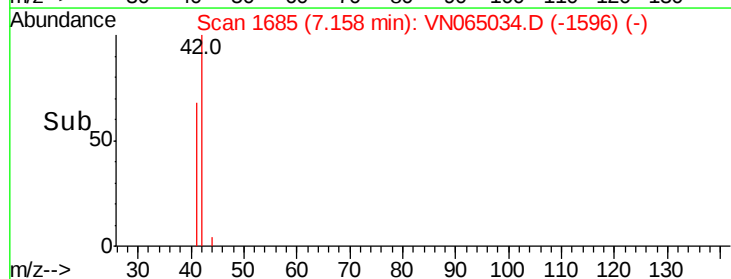
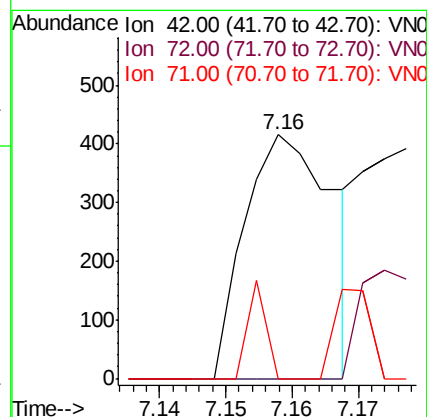
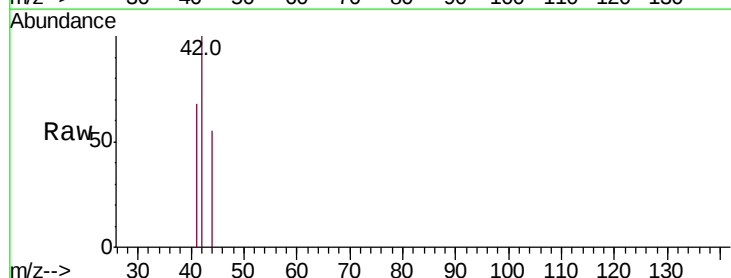
Tgt Ion: 42 Resp: 385

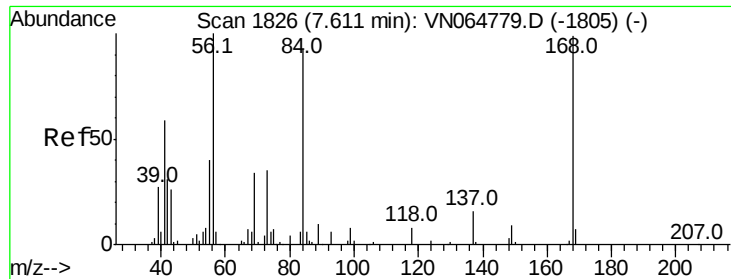
Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 8.3 33.6 50.4#

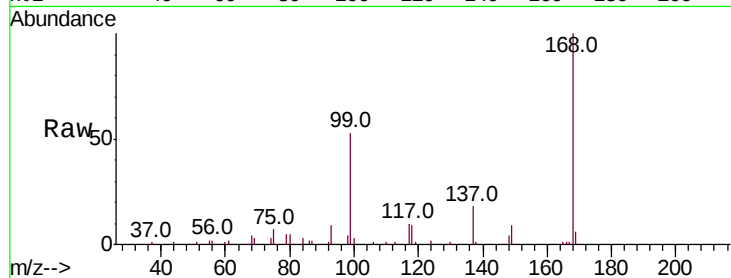




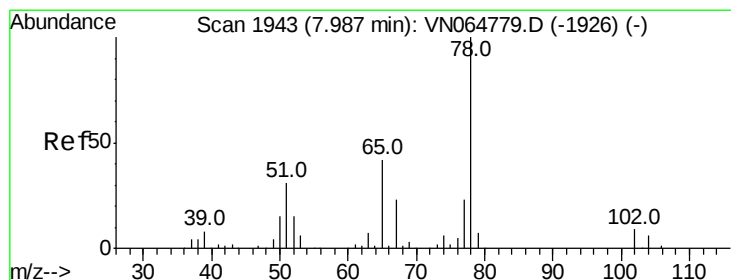
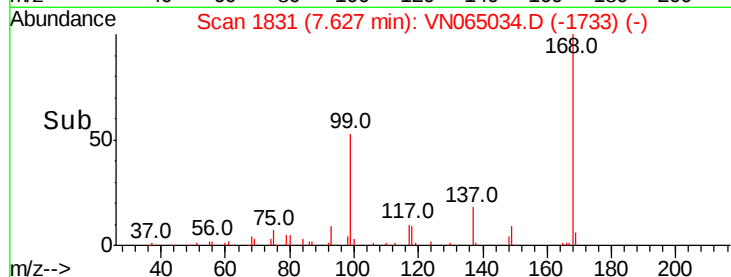
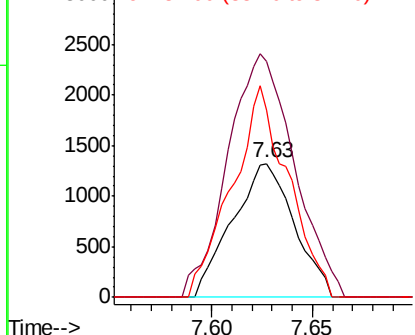
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN065034.D
Acq: 9 Dec 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
PB133472ZHE#15

Tot Ion: 56 Resp: 2824
Ion Ratio Lower Upper
56 100
69 165.3 27.5 41.3#
84 140.4 73.9 110.9#

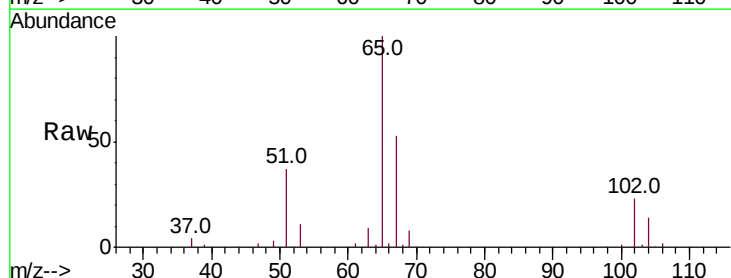


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

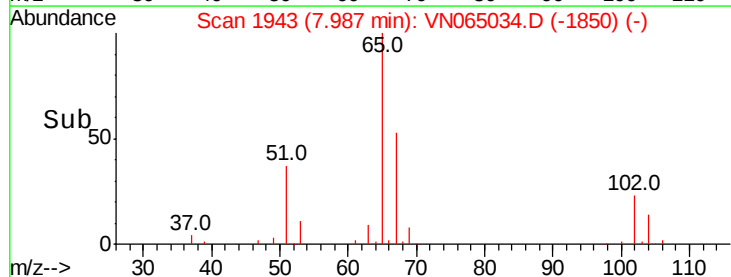
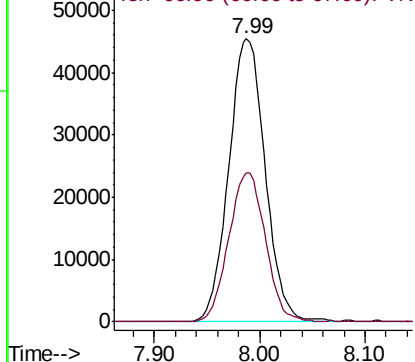


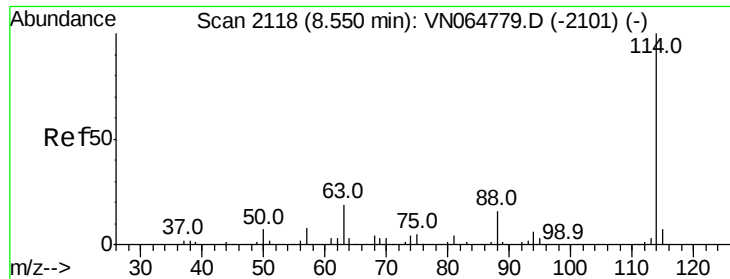
#33
1,2-Dichloroethane-d4
Concen: 57.956 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN065034.D
Acq: 9 Dec 2020 20:39

Tgt Ion: 65 Resp: 108897
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2



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

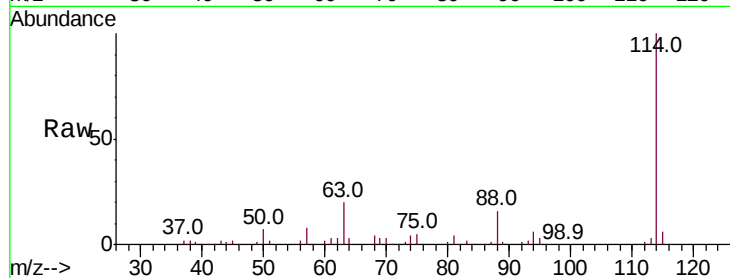




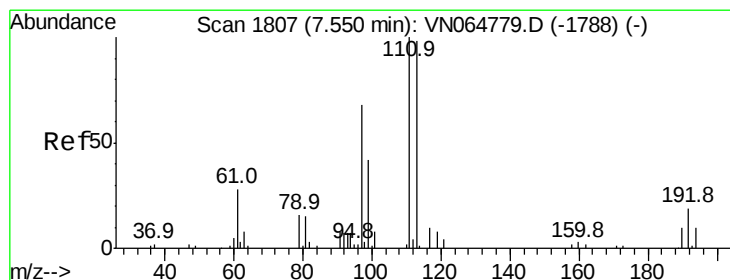
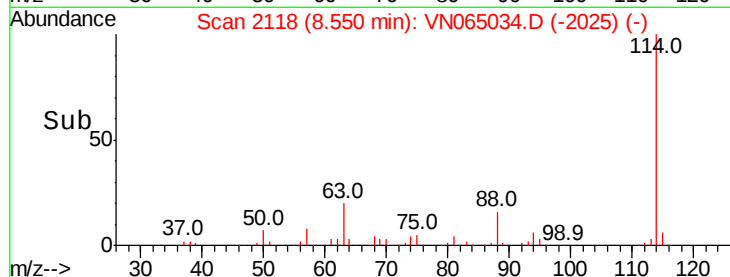
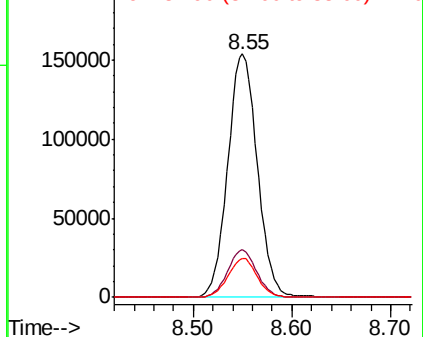
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065034.D
 Acq: 9 Dec 2020 20:39

Instrument :
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 ClientSampleId :
 PB133472ZHE#15

Tot Ion:114 Resp: 322229
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 16.0 0.0 32.6

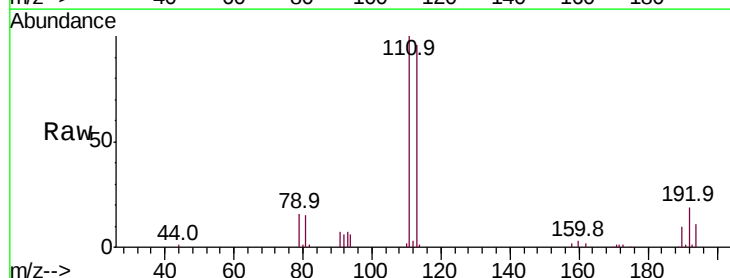


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

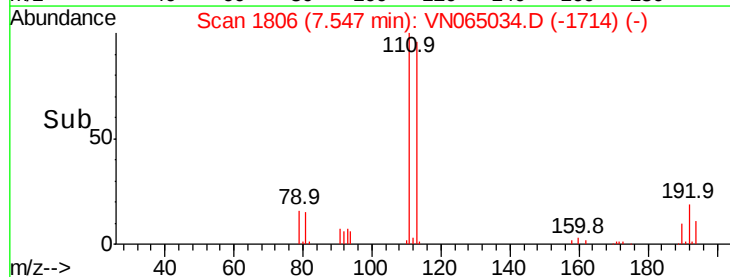
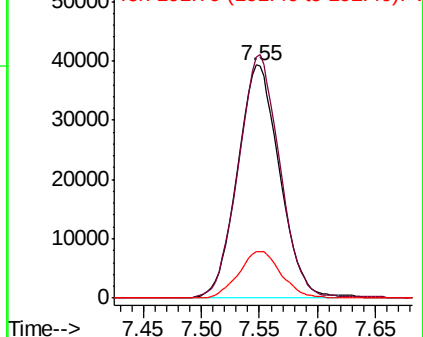


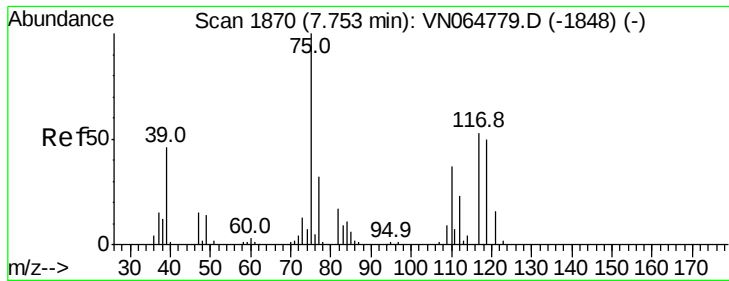
#35
 Dibromofluoromethane
 Concen: 51.491 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN065034.D
 Acq: 9 Dec 2020 20:39

Tgt Ion:113 Resp: 99281
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 20.1 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

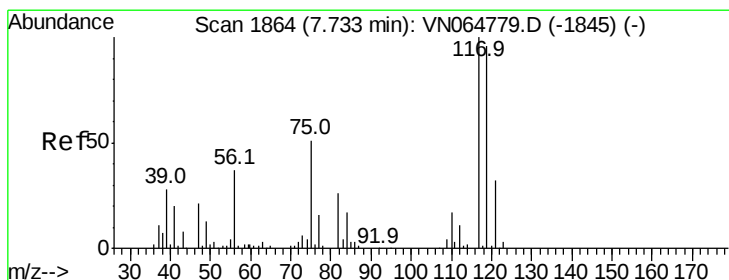
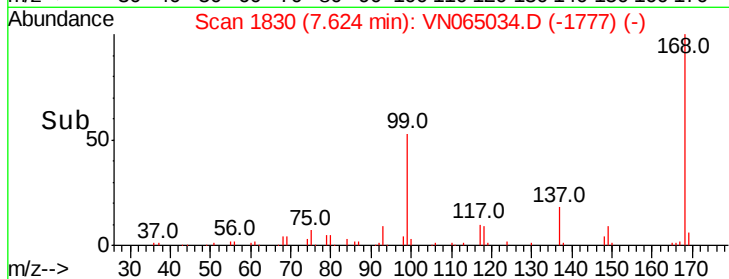
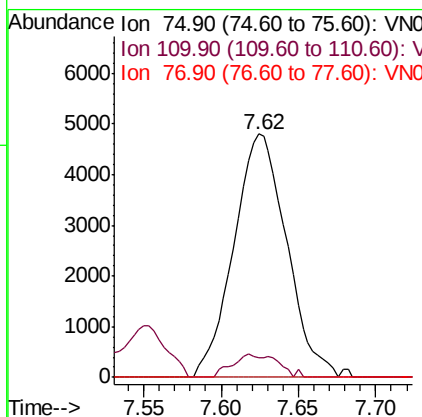
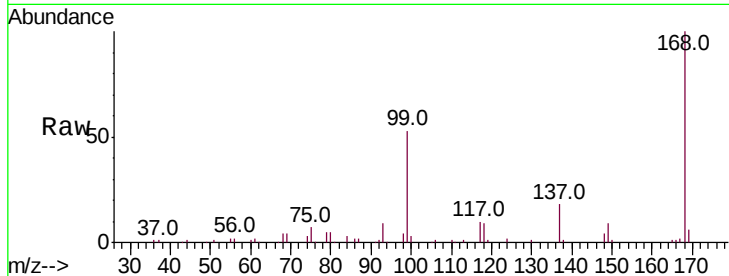




#36
 1,1-Dichloropropene
 Concen: 3.812 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN065034.D
 Acq: 9 Dec 2020 20:39

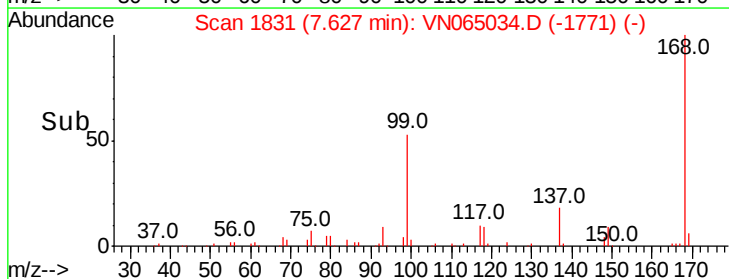
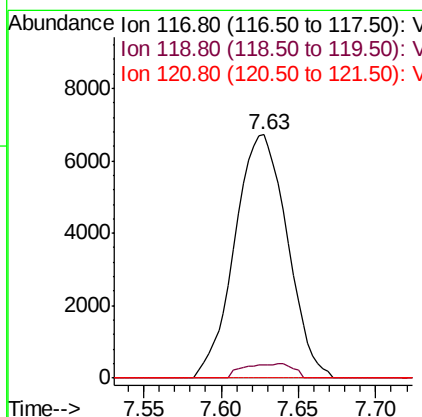
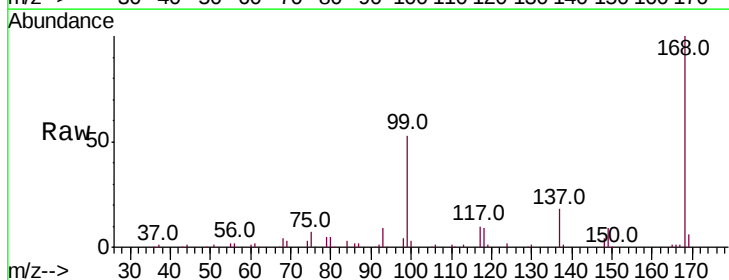
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 PB133472ZHE#15

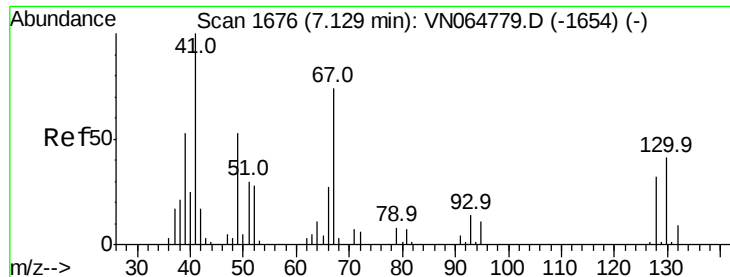
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.3#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.102 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN065034.D
 Acq: 9 Dec 2020 20:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.7	115.1#
121	0.0	25.4	38.2#

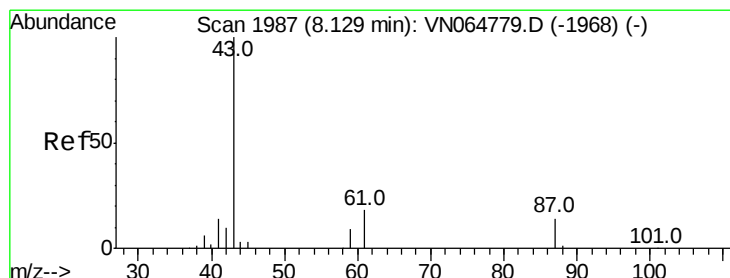
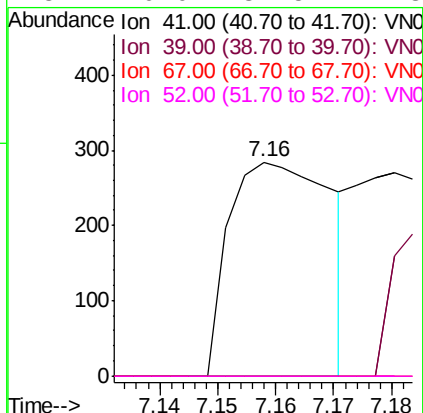
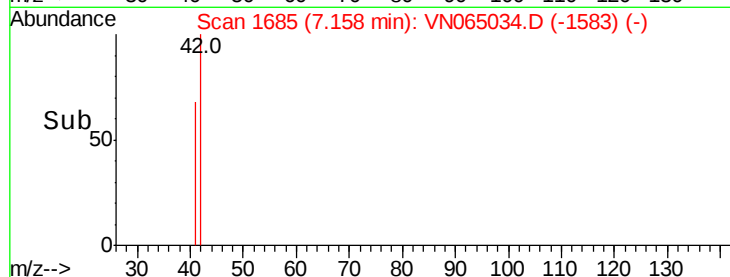
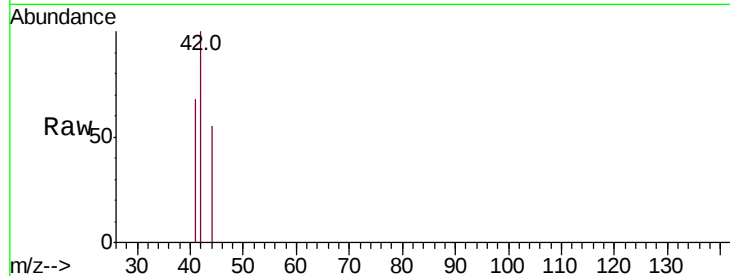




#41
Methacrylonitrile
Concen: 0.260 ug/l
RT: 7.16 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN065034.D
Acq: 9 Dec 2020 20:39

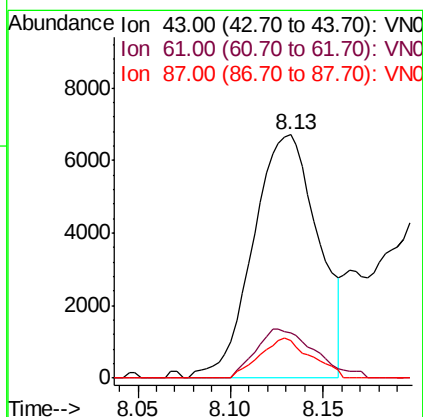
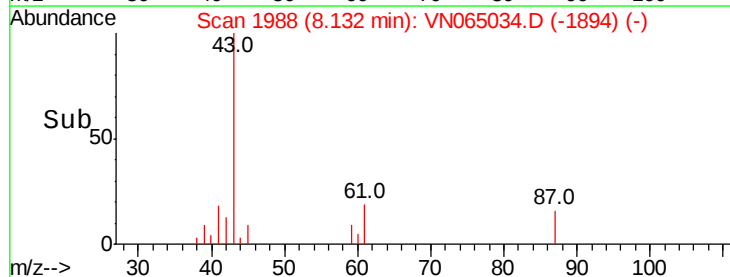
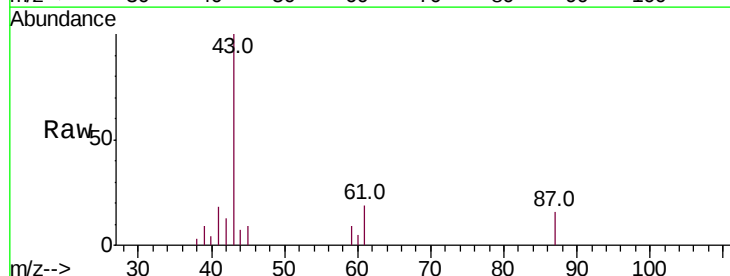
Instrument :
MSVOA_N
ClientSampleId :
PB133472ZHE#15

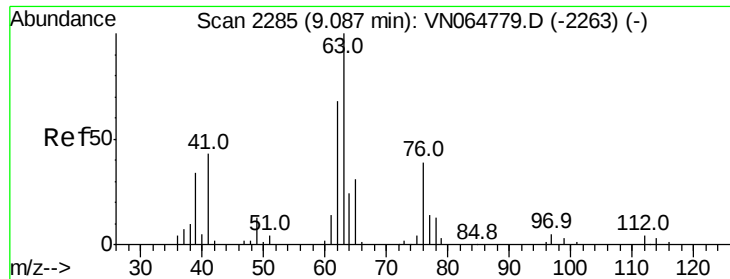
Tot Ion: 41 Resp: 345
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 79.8 119.8#
52 0.0 31.5 47.3#



#43
Isopropyl Acetate
Concen: 3.533 ug/l
RT: 8.13 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN065034.D
Acq: 9 Dec 2020 20:39

Tgt Ion: 43 Resp: 16357
Ion Ratio Lower Upper
43 100
61 18.4 17.2 25.8
87 12.9 11.4 17.0

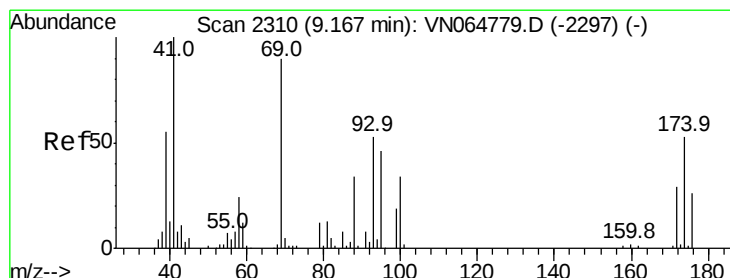
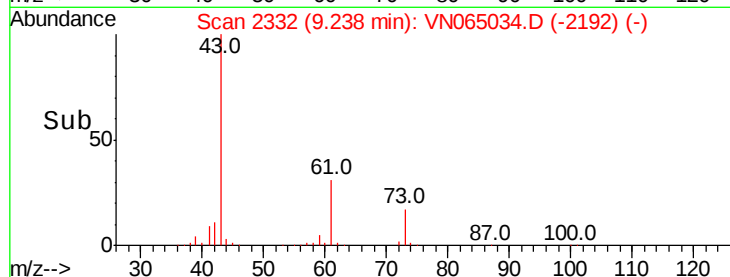
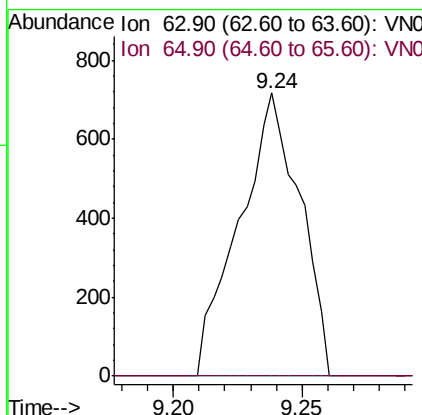
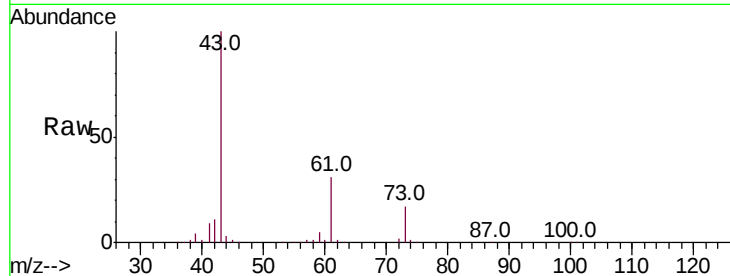




#45
 1,2-Dichloropropane
 Concen: 0.497 ug/l
 RT: 9.24 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN065034.D
 Acq: 9 Dec 2020 20:39

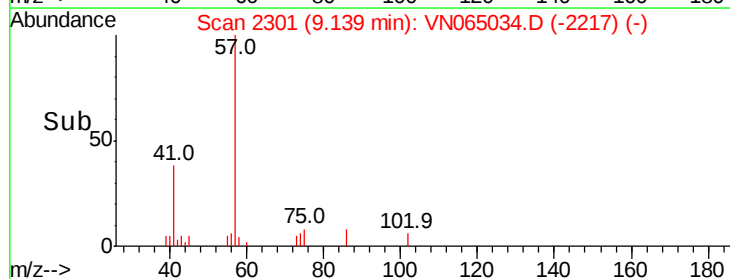
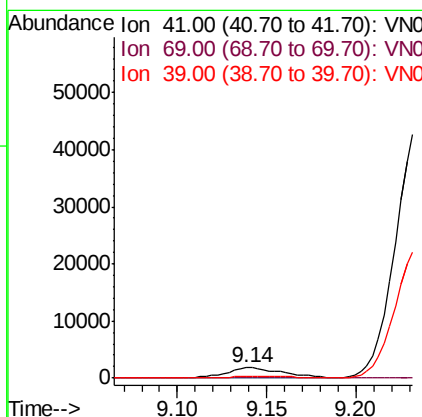
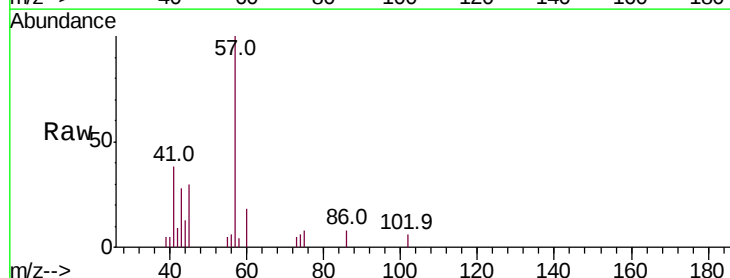
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133472ZHE#15

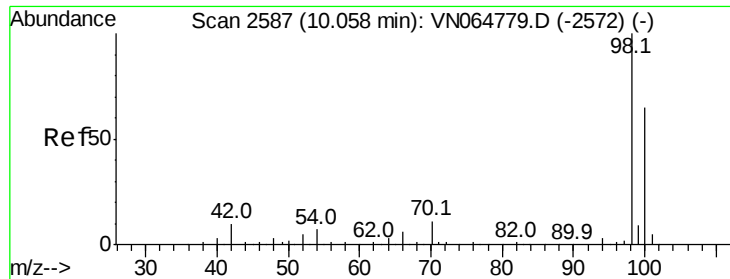
Tot Ion: 63 Resp: 1179
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.786 ug/l
 RT: 9.14 min Scan# 2301
 Delta R.T. -0.03 min
 Lab File: VN065034.D
 Acq: 9 Dec 2020 20:39

Tgt Ion: 41 Resp: 3950
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.8 107.8#
 39 0.0 44.1 66.1#





#50

Toluene-d8

Concen: 51.488 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

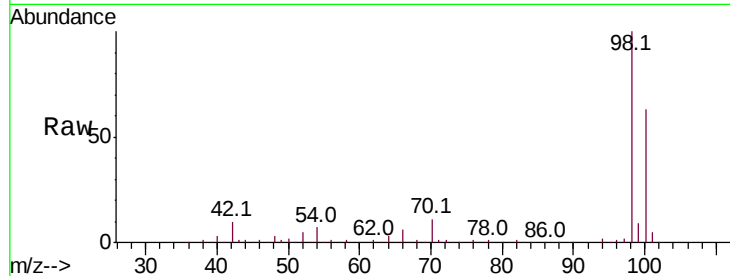
PB133472ZHE#15

Tot Ion: 98 Resp: 405627

Ion Ratio Lower Upper

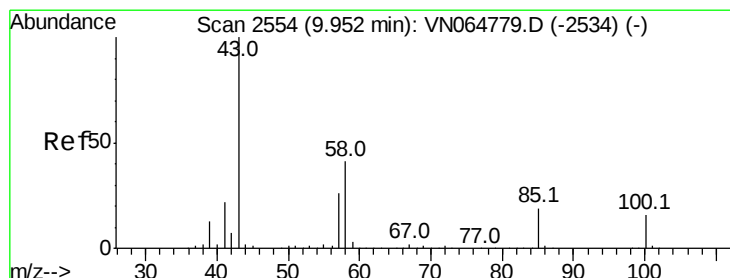
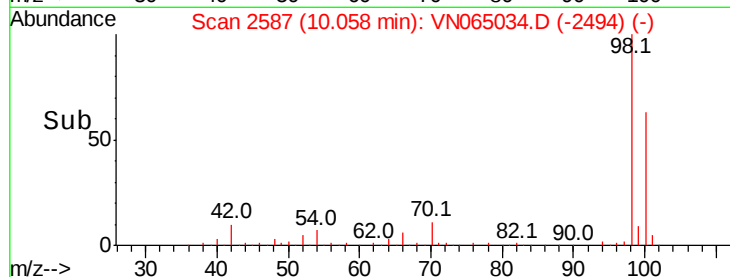
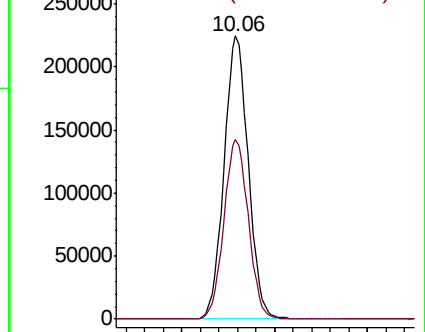
98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.228 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065034.D

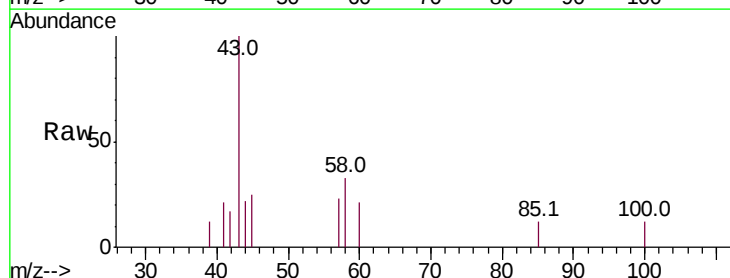
Acq: 9 Dec 2020 20:39

Tgt Ion: 43 Resp: 3412

Ion Ratio Lower Upper

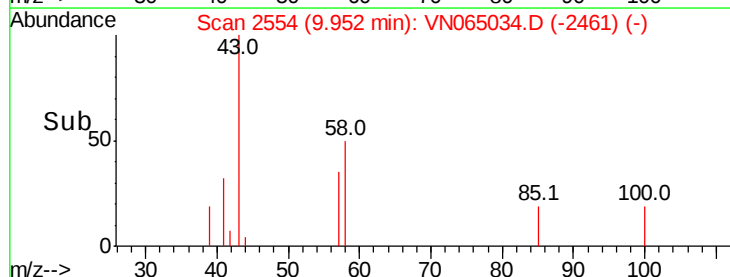
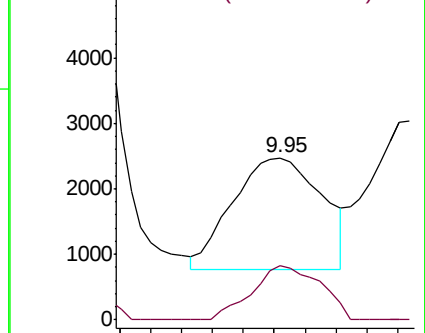
43 100

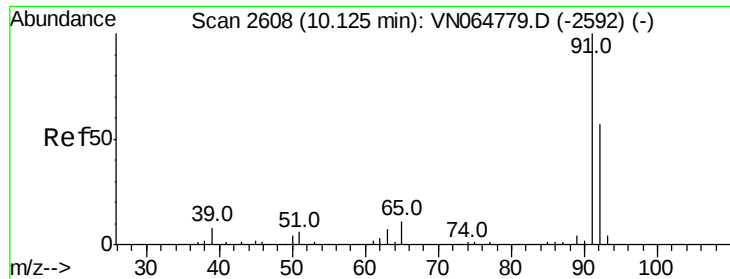
58 37.3 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.248 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

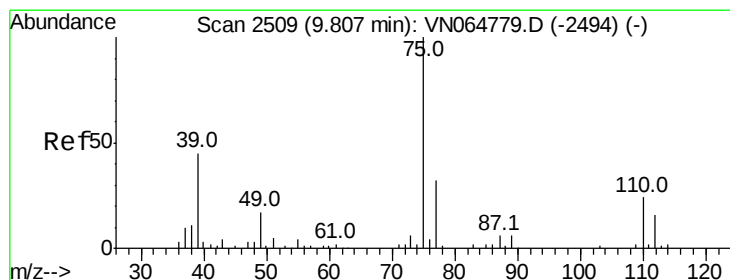
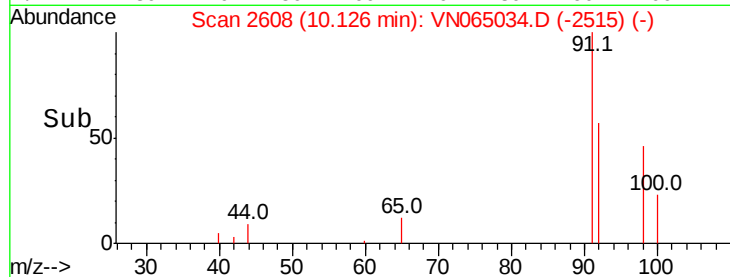
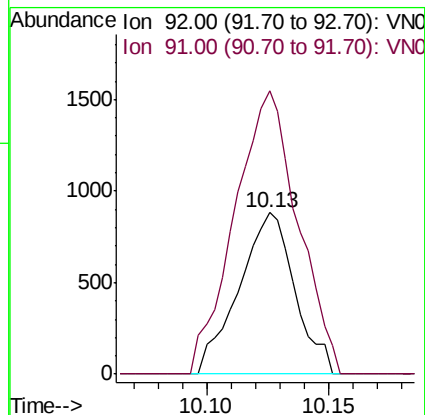
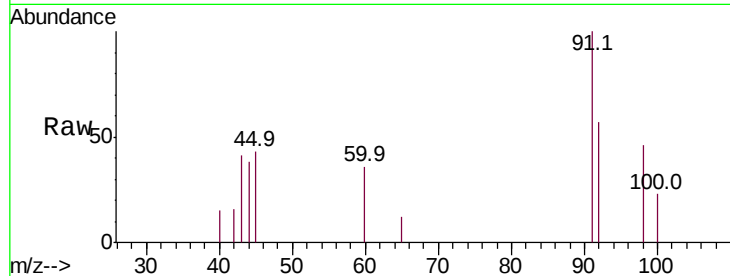
PB133472ZHE#15

Tot Ion: 92 Resp: 1400

Ion Ratio Lower Upper

92 100

91 198.3 139.1 208.7



#54

cis-1,3-Dichloropropene

Concen: 7.449 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

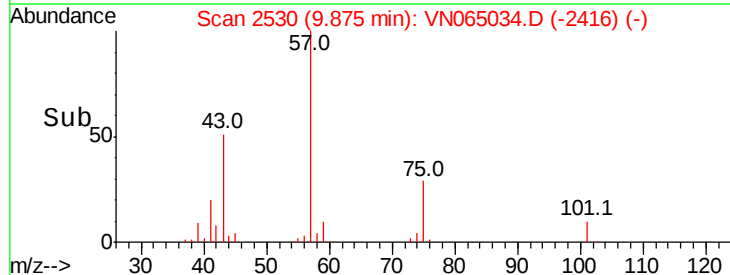
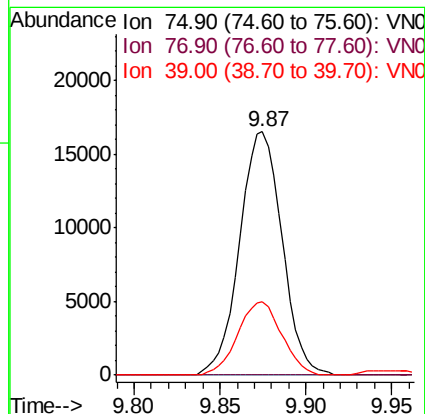
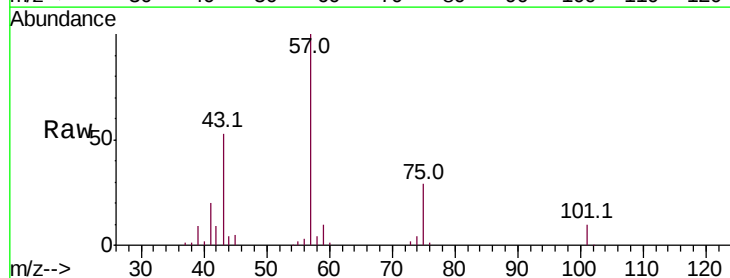
Tgt Ion: 75 Resp: 28333

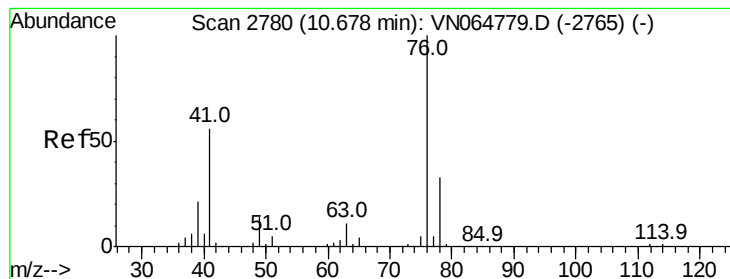
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 30.3 35.6 53.4#





#57

1,3-Dichloropropane

Concen: 4.738 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

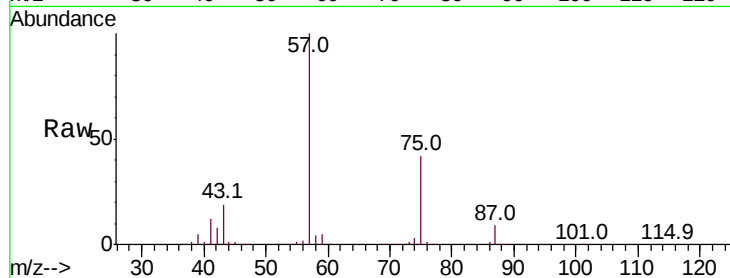
PB133472ZHE#15

Tot Ion: 76 Resp: 18114

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

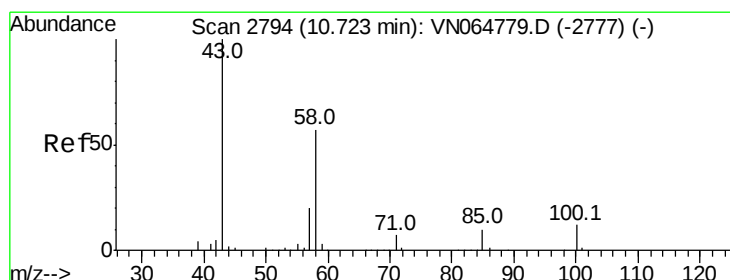
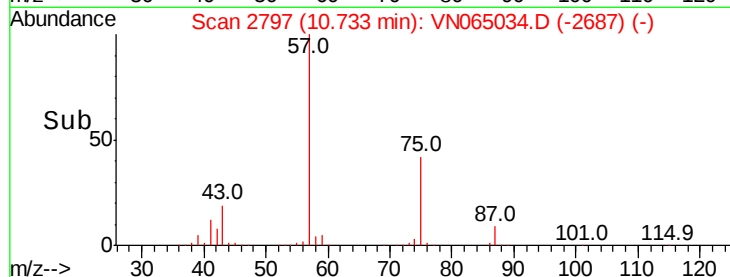
10.73

10000

5000

0

Time-->



#59

2-Hexanone

Concen: 115.734 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.01 min

Lab File: VN065034.D

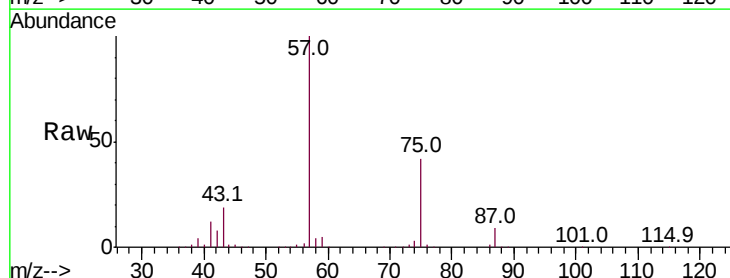
Acq: 9 Dec 2020 20:39

Tgt Ion: 43 Resp: 231495

Ion Ratio Lower Upper

43 100

58 20.3 28.3 84.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

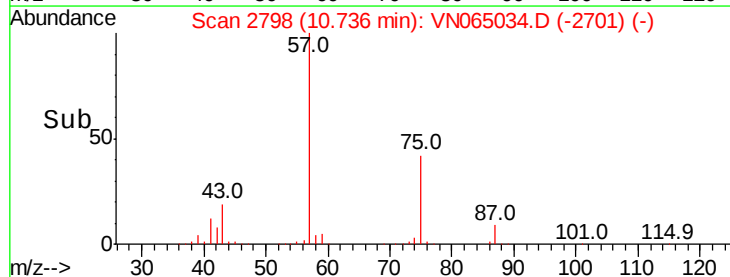
150000

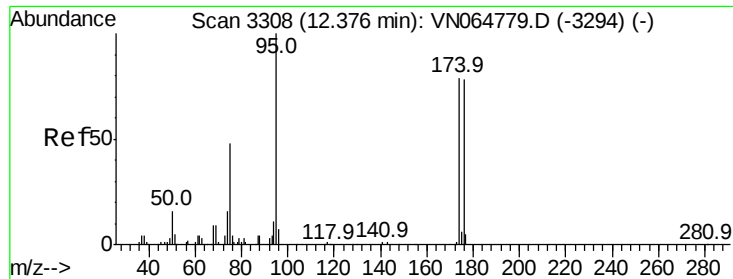
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.606 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#15

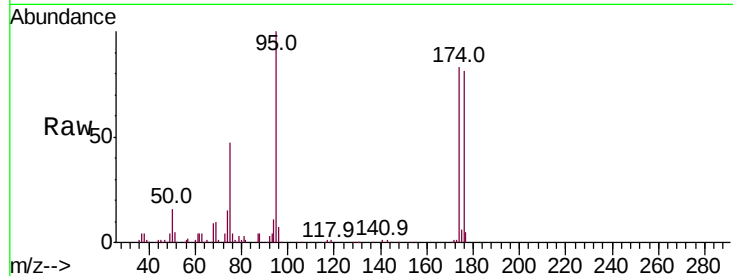
Tot Ion: 95 Resp: 148320

Ion Ratio Lower Upper

95 100

174 83.6 0.0 160.4

176 79.0 0.0 158.4



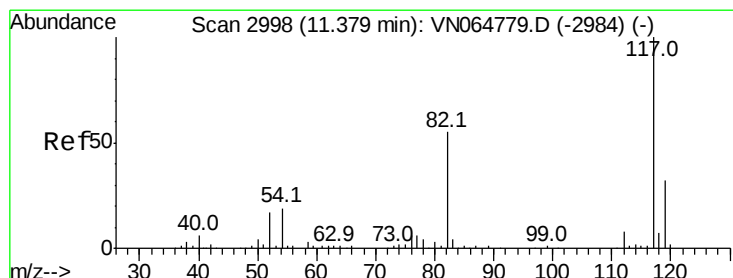
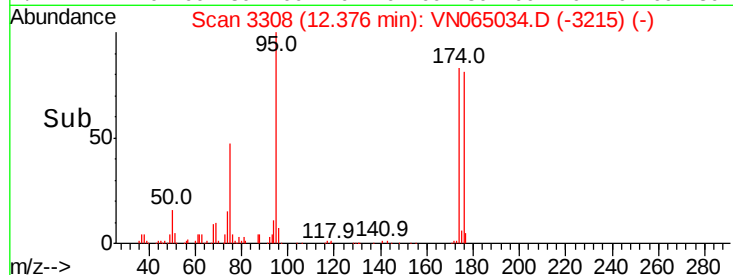
Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

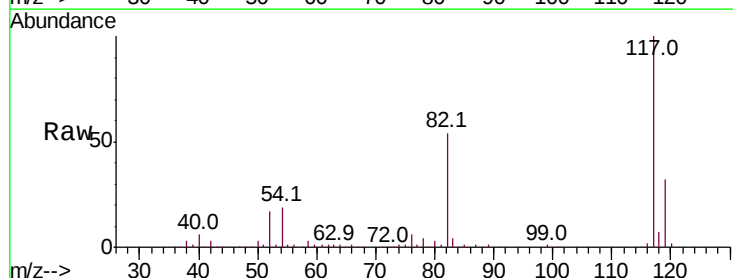
Tgt Ion: 117 Resp: 335786

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

119 32.3 25.8 38.6



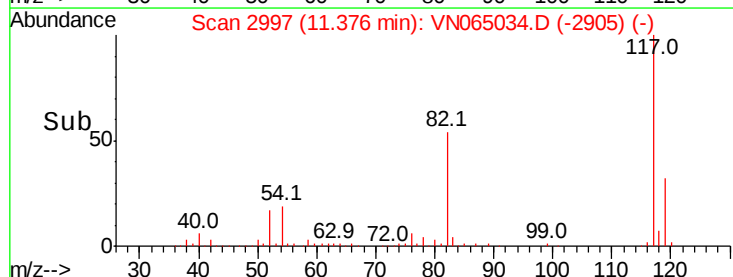
Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

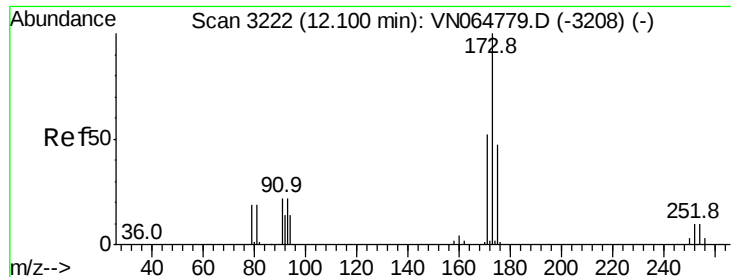
Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

11.38

Time-->





#71

Bromoform

Concen: 0.525 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#15

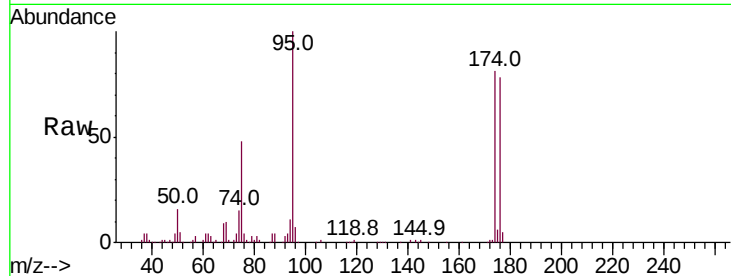
Tot Ion:173 Resp: 1111

Ion Ratio Lower Upper

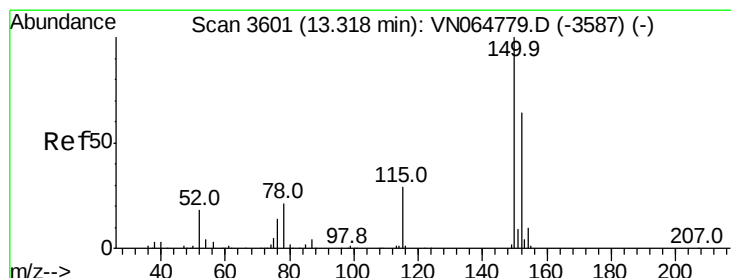
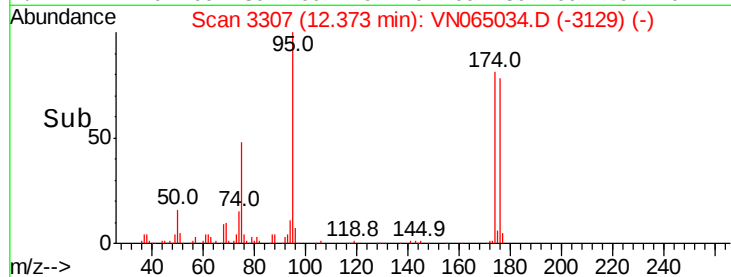
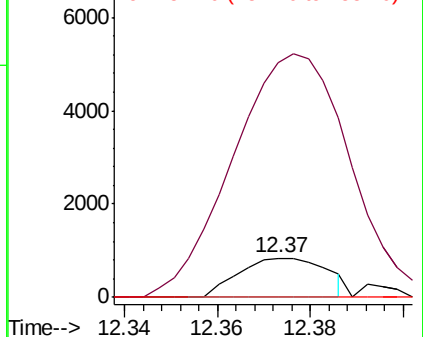
173 100

175 703.2 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: VN065034.D

Acq: 9 Dec 2020 20:39

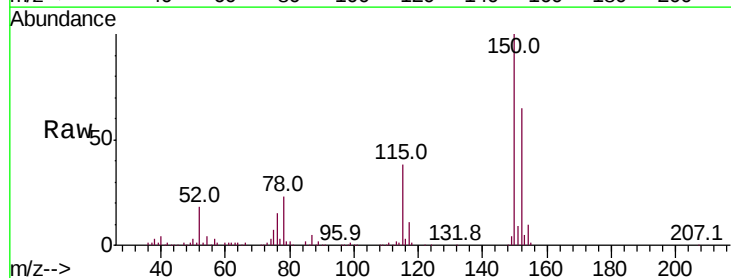
Tgt Ion:152 Resp: 141400

Ion Ratio Lower Upper

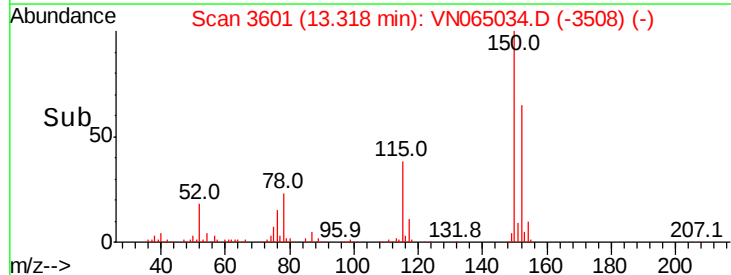
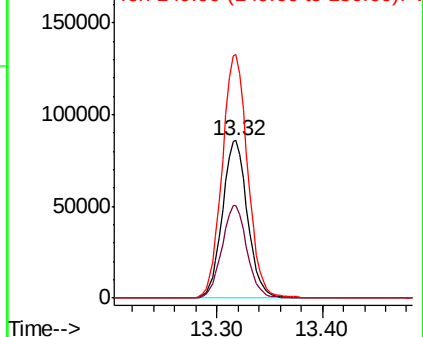
152 100

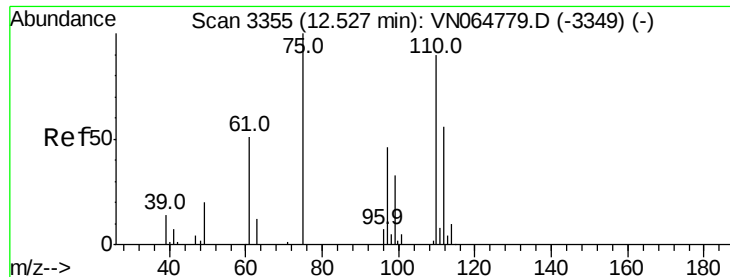
115 58.5 29.7 89.1

150 156.8 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: 22.998 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

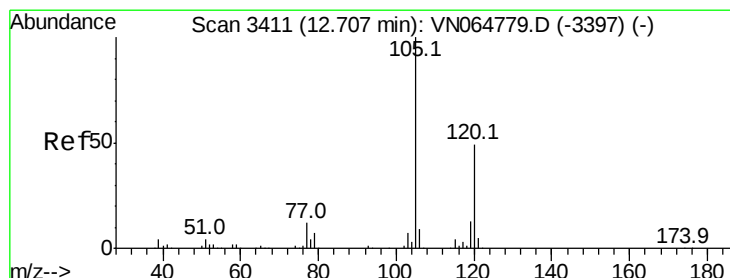
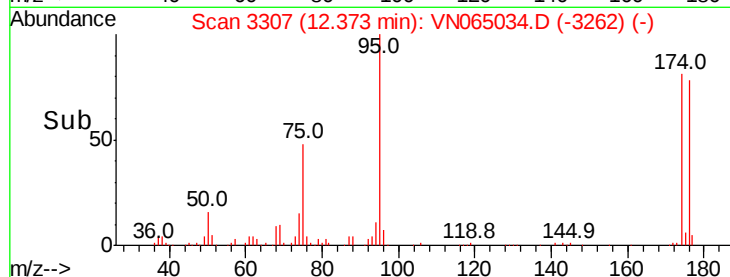
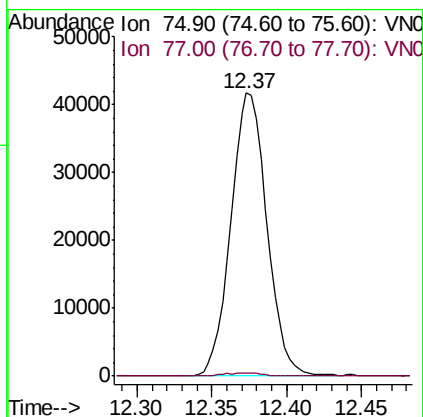
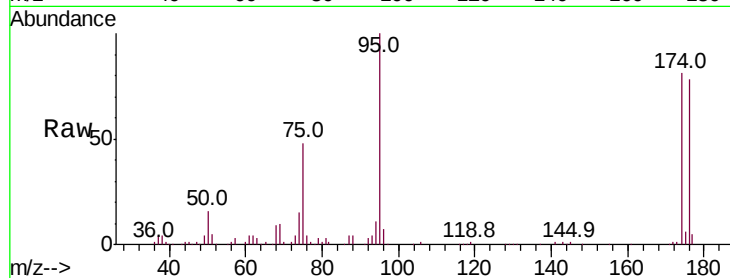
PB133472ZHE#15

Tot Ion: 75 Resp: 70033

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.217 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN065034.D

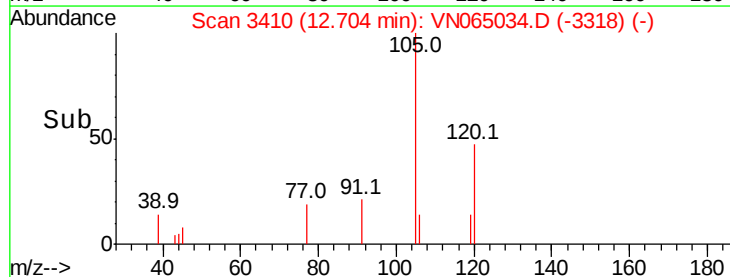
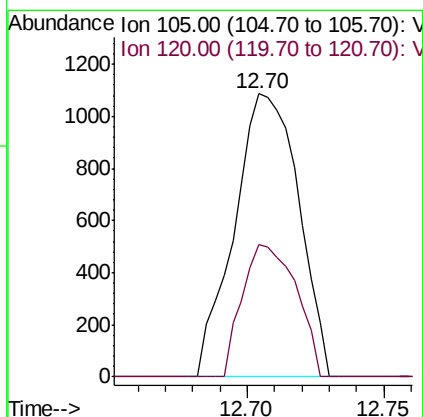
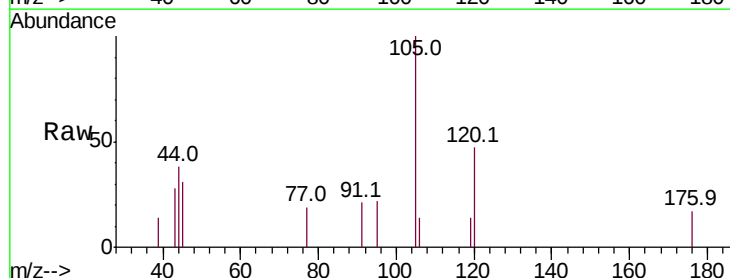
Acq: 9 Dec 2020 20:39

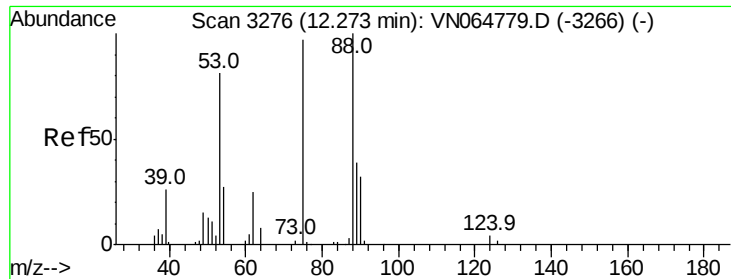
Tgt Ion: 105 Resp: 1776

Ion Ratio Lower Upper

105 100

120 39.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 63.032 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN065034.D

Acq: 9 Dec 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#15

Tot Ion: 75 Resp: 70033

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#

