

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063879.D
 Acq On : 5 Oct 2020 18:32
 Operator : JC/MD
 Sample : PB132063ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#11

Quant Time: Oct 06 01:40:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	219698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	426077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	441077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171402	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	196727	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.55	113	140600	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	10.06	98	542461	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.38	95	209260	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

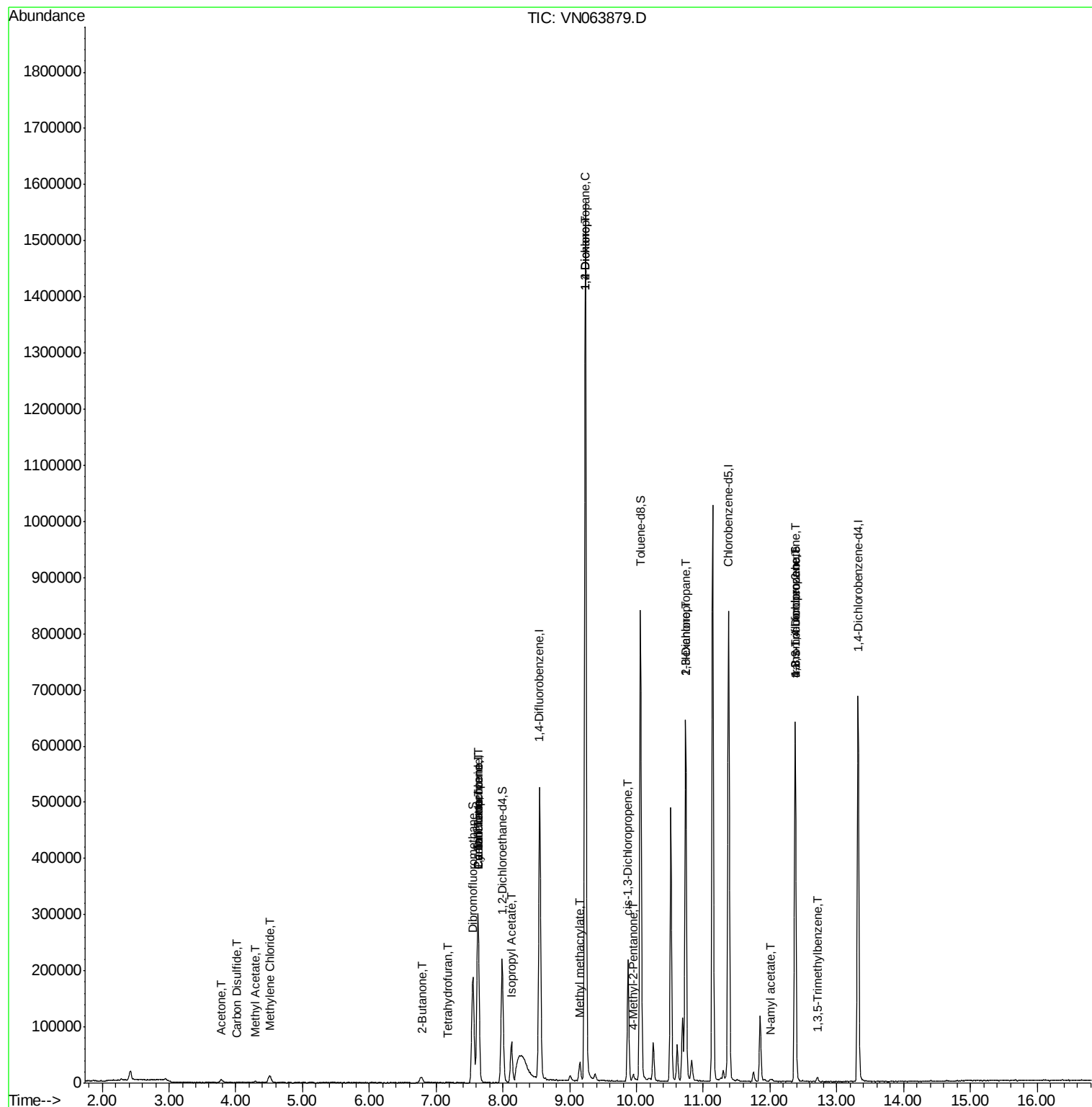
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9206	8.240	ug/l	90
17) Carbon Disulfide	4.01	76	264	0.744	ug/l #	76
18) Methyl Acetate	4.29	43	3684	1.270	ug/l #	77
20) Methylene Chloride	4.50	84	9166	3.673	ug/l	90
25) 2-Butanone	6.80	43	2490	1.572	ug/l #	31
29) Tetrahydrofuran	7.17	42	771	0.726	ug/l #	39
31) Cyclohexane	7.63	56	6330	1.502	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	20842	4.828	ug/l #	50
38) Carbon Tetrachloride	7.62	117	24285	5.017	ug/l #	14
43) Isopropyl Acetate	8.13	43	85184	12.042	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1735	0.521	ug/l #	44
48) Methyl methacrylate	9.15	41	4767	1.364	ug/l #	12
49) 1,4-Dioxane	9.23	88	280	5.637	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	7854	1.892	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	34314	6.466	ug/l #	65
57) 1,3-Dichloropropane	10.74	76	5881	1.137	ug/l #	44
59) 2-Hexanone	10.74	43	101115	32.789	ug/l #	53
74) N-amyl acetate	12.00	43	1965	2.539	ug/l #	55
76) 1,2,3-Trichloropropane	12.38	75	120122	31.792	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3442	0.328	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	120122	91.566	ug/l #	6

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

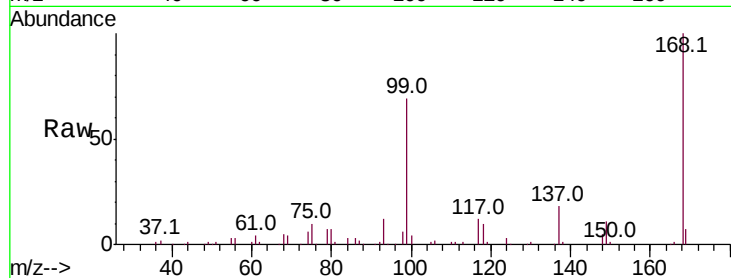
PB132063ZHE#11

Tot Ion:168 Resp: 219698

Ion Ratio Lower Upper

168 100

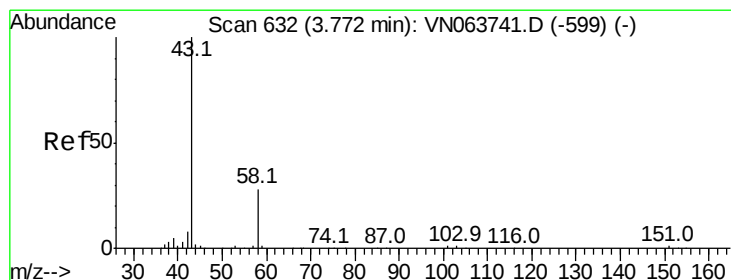
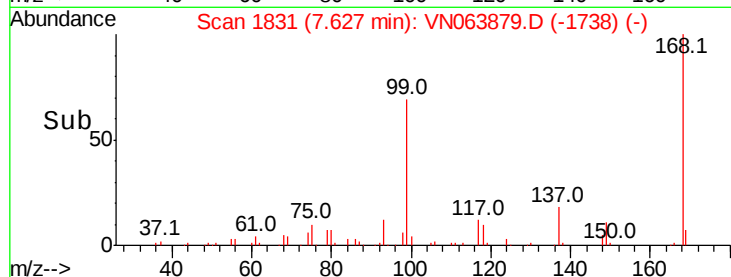
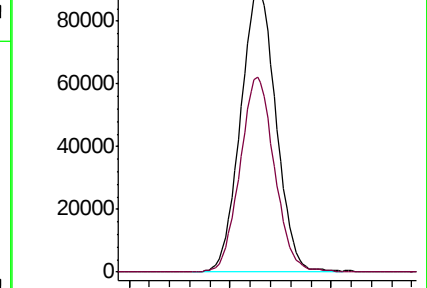
99 68.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63



#16

Acetone

Concen: 8.240 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063879.D

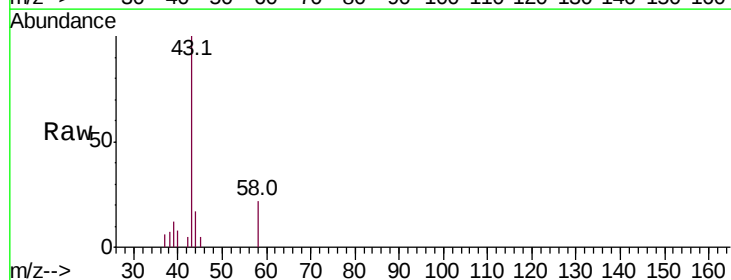
Acq: 5 Oct 2020 18:32

Tgt Ion: 43 Resp: 9206

Ion Ratio Lower Upper

43 100

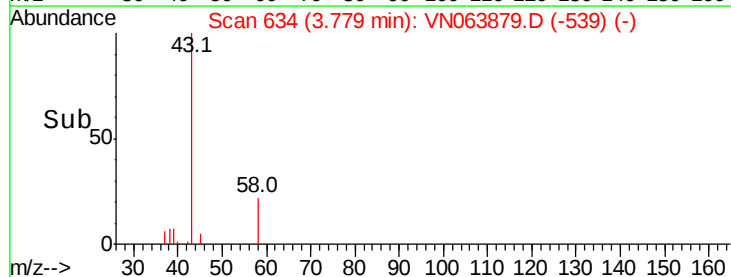
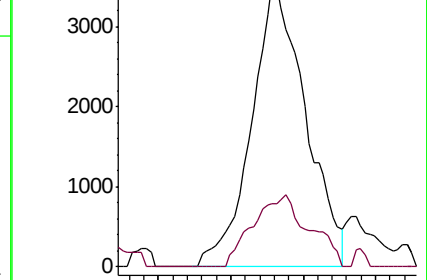
58 22.5 22.3 33.5

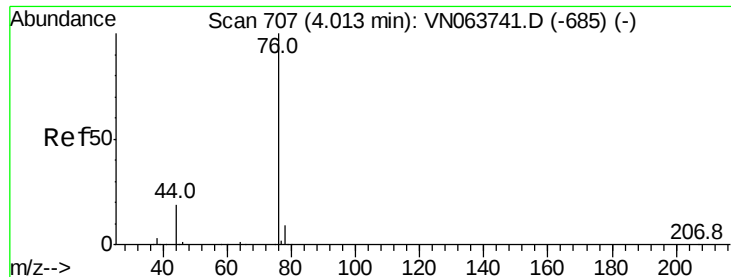


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78





#17

Carbon Disulfide

Concen: 0.744 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

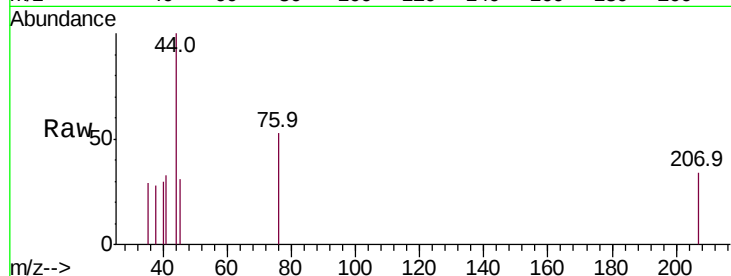
PB132063ZHE#11

Tot Ion: 76 Resp: 264

Ion Ratio Lower Upper

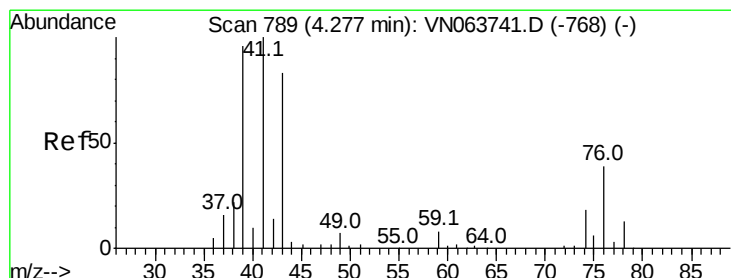
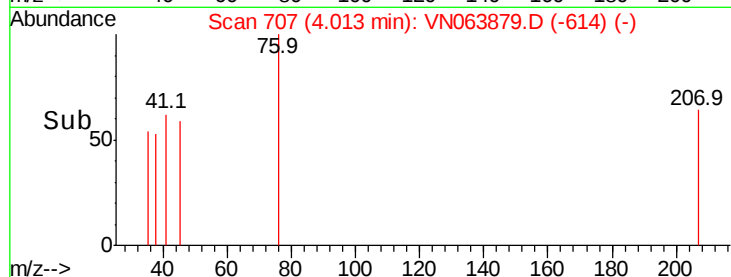
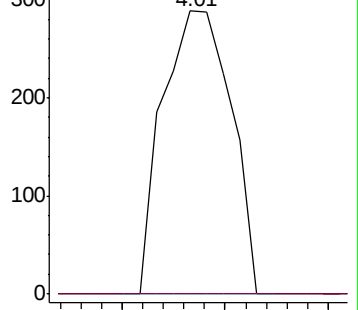
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.270 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063879.D

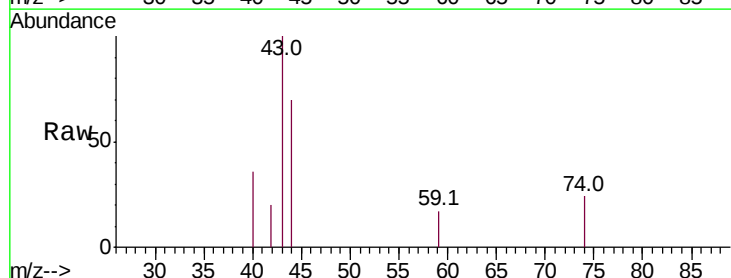
Acq: 5 Oct 2020 18:32

Tgt Ion: 43 Resp: 3684

Ion Ratio Lower Upper

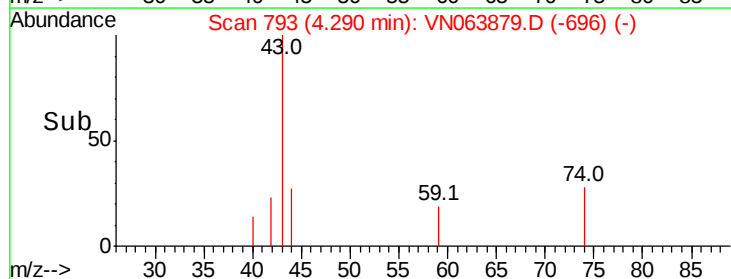
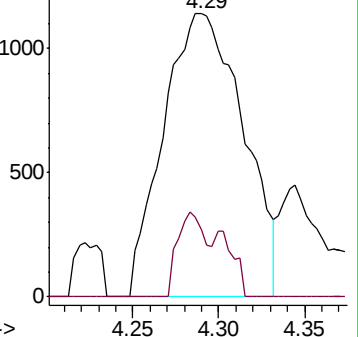
43 100

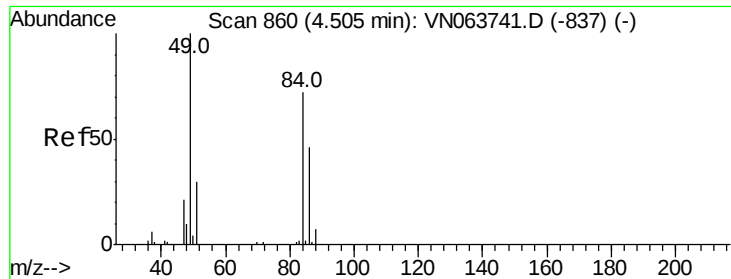
74 10.9 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

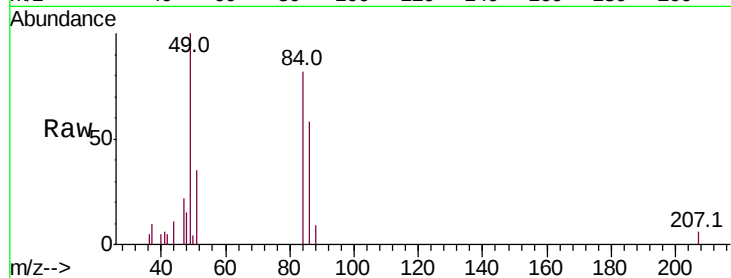




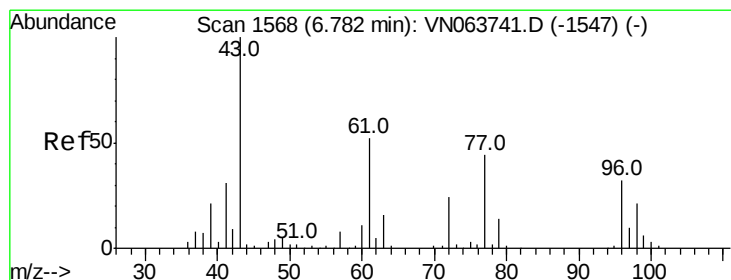
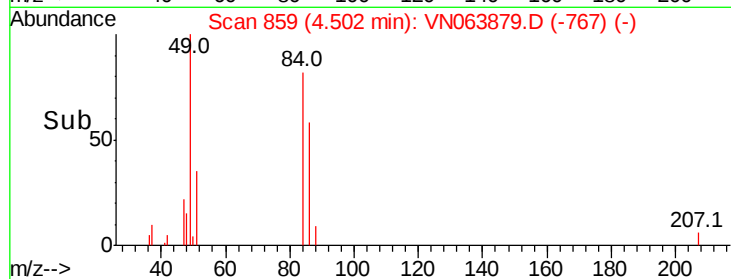
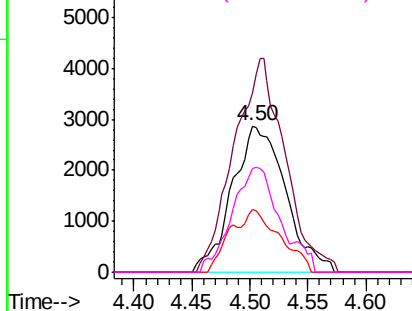
#20
Methvlene Chloride
Concen: 3.673 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063879.D
Acq: 5 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#11

Tot Ion:	84	Resp:	9166
Ion	Ratio	Lower	Upper
84	100		
49	122.2	110.4	165.6
51	42.8	33.3	49.9
86	70.9	50.7	76.1

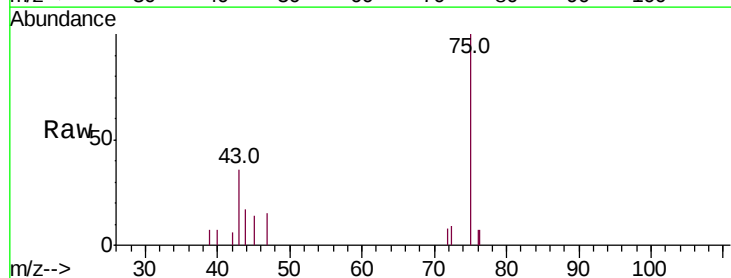


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

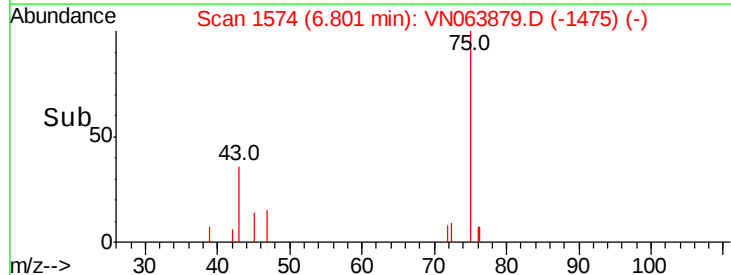
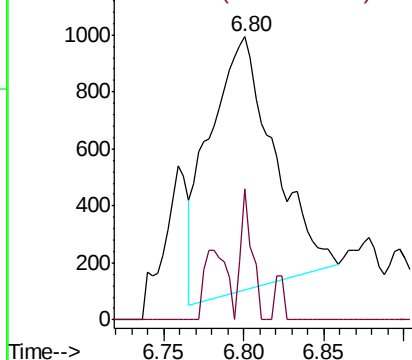


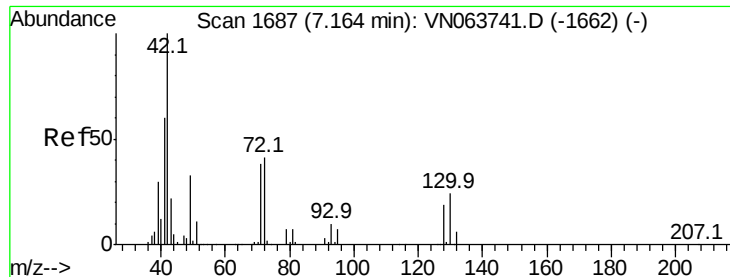
#25
2-Butanone
Concen: 1.572 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063879.D
Acq: 5 Oct 2020 18:32

Tgt Ion:	43	Resp:	2490
Ion	Ratio	Lower	Upper
43	100		
72	58.0	19.3	28.9#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.726 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#11

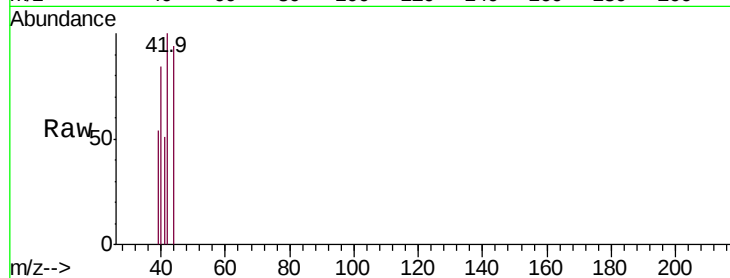
Tot Ion: 42 Resp: 771

Ion Ratio Lower Upper

42 100

72 3.8 32.8 49.2#

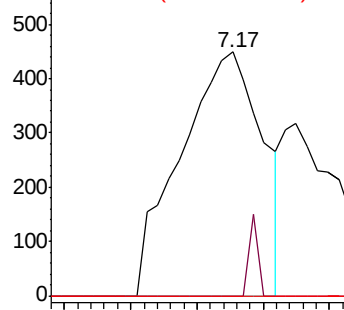
71 0.0 30.6 45.8#



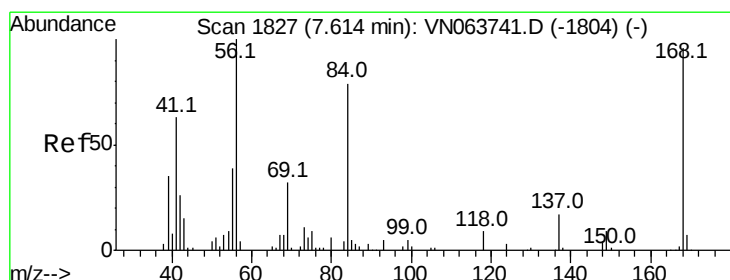
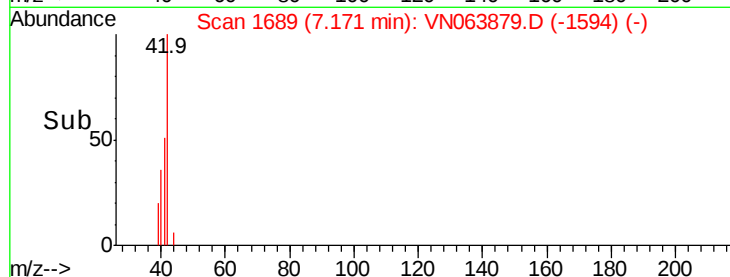
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.12 7.14 7.16 7.18



#31

Cyclohexane

Concen: 1.502 ug/l

RT: 7.63 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

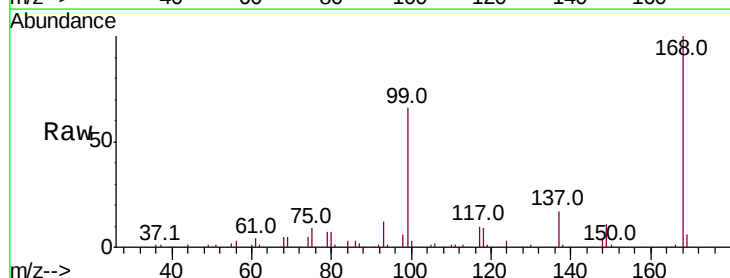
Tgt Ion: 56 Resp: 6330

Ion Ratio Lower Upper

56 100

69 163.9 25.4 38.2#

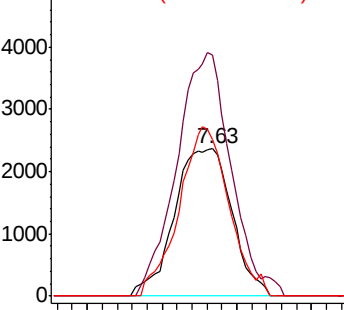
84 106.1 63.3 94.9#



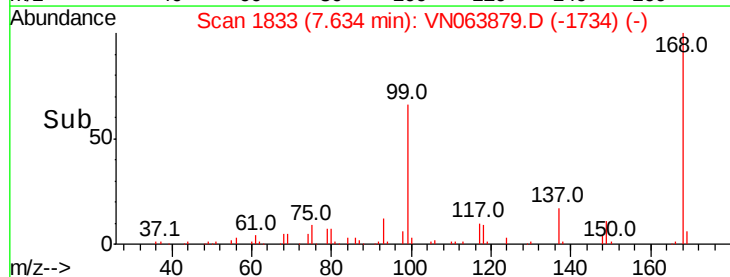
Abundance Ion 56.00 (55.70 to 56.70): VN0

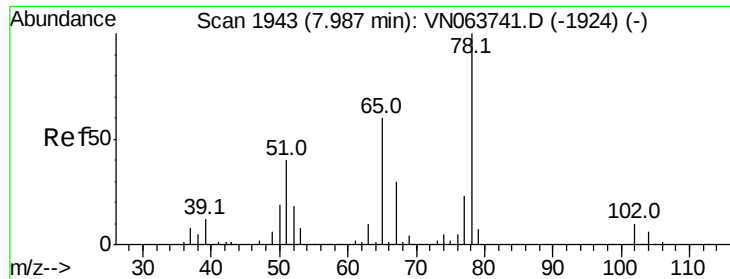
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time--> 7.55 7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: 54.201 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

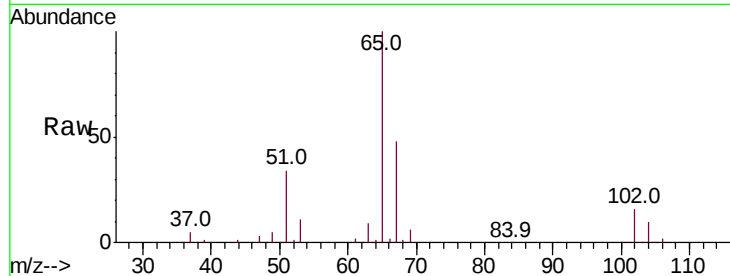
PB132063ZHE#11

Tot Ion: 65 Resp: 196727

Ion Ratio Lower Upper

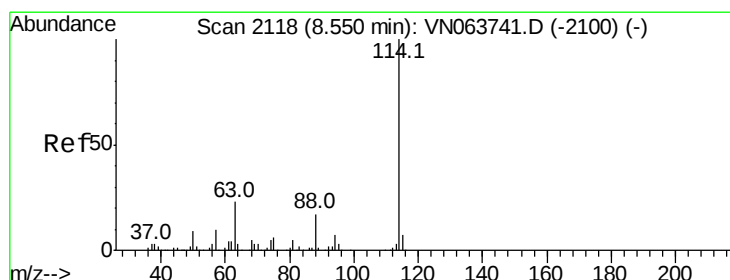
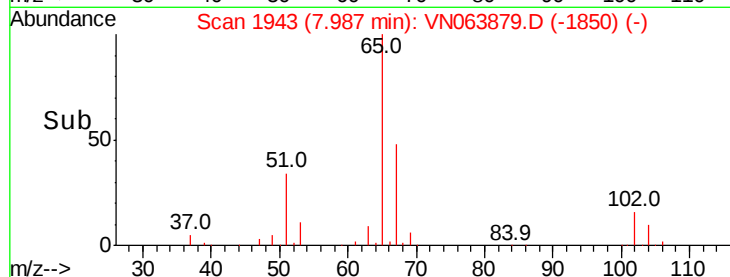
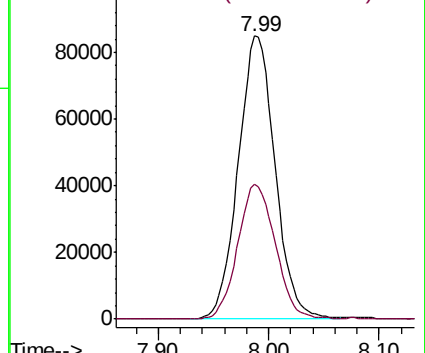
65 100

67 48.6 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063879.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063879.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

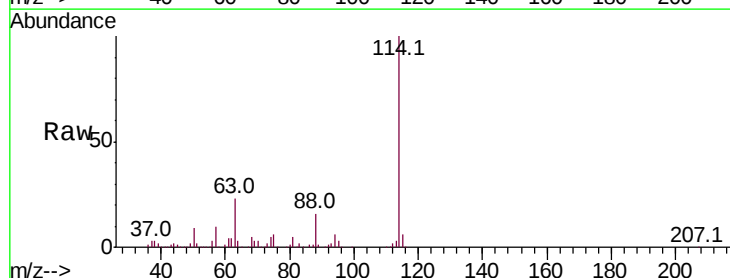
Tgt Ion: 114 Resp: 426077

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

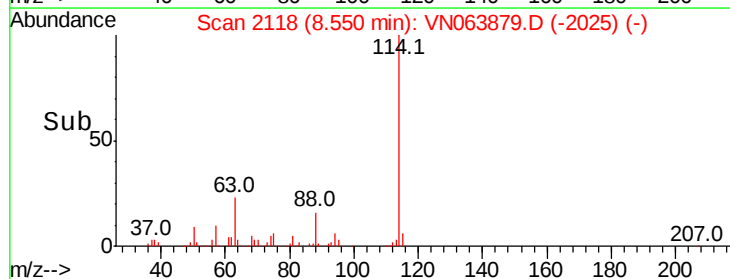
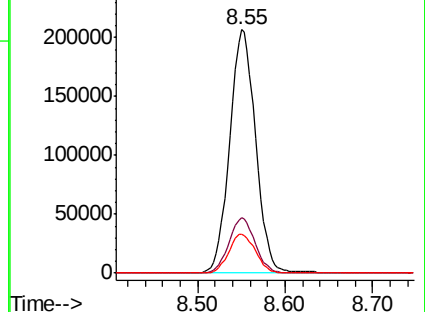
88 15.9 0.0 34.0

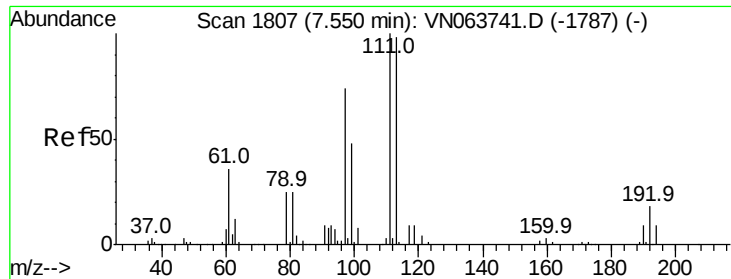


Abundance Ion 113.90 (113.60 to 114.60): VN063879.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063879.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063879.D (-2025) (-)

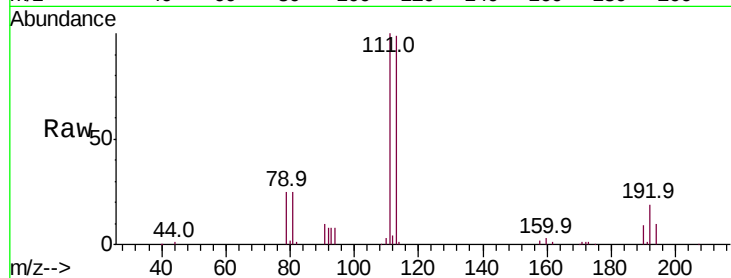




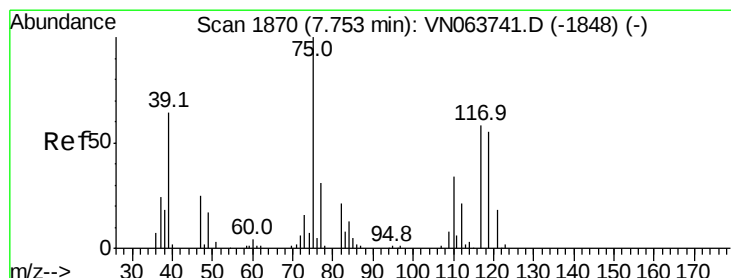
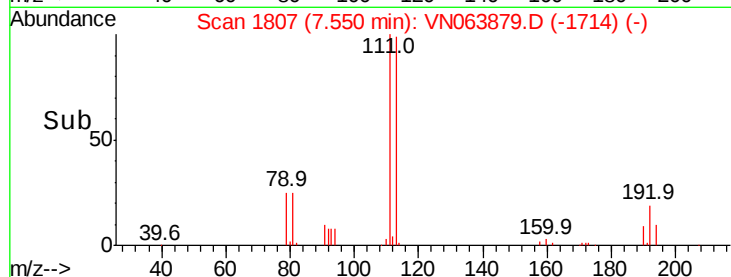
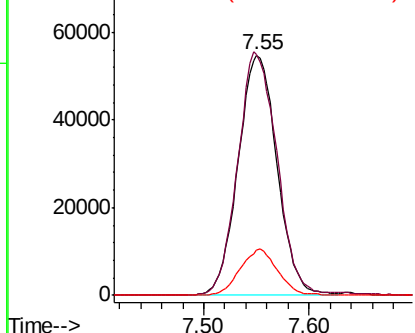
#35
 Dibromofluoromethane
 Concen: 47.557 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063879.D
 Acq: 5 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#11

Tot Ion:113 Resp: 140600
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.8 122.8
 192 18.5 14.2 21.2

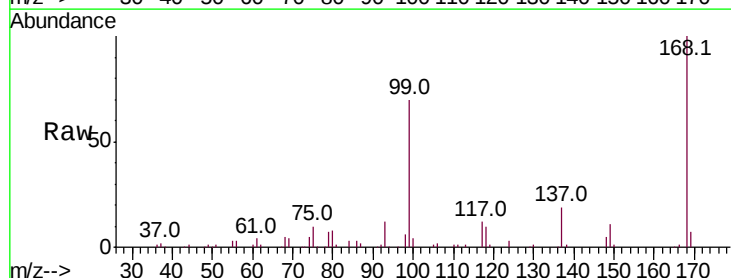


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

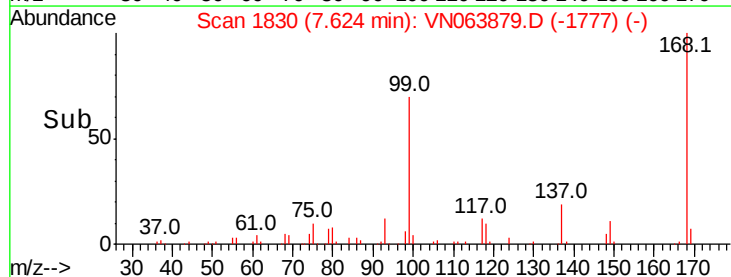
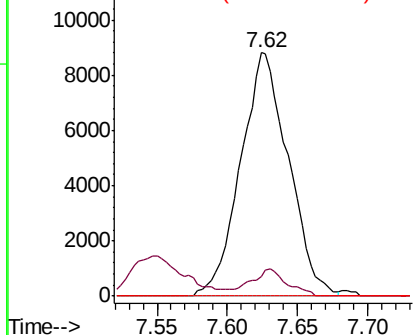


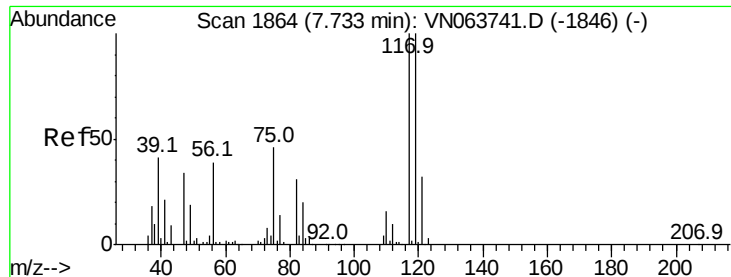
#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063879.D
 Acq: 5 Oct 2020 18:32

Tgt Ion: 75 Resp: 20842
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.5 36.7#



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





#38

Carbon Tetrachloride

Concen: 5.017 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#11

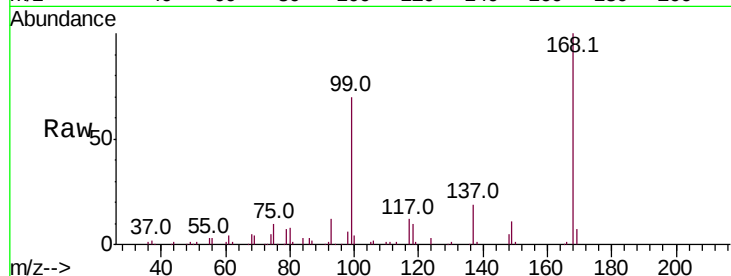
Tot Ion:117 Resp: 24285

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

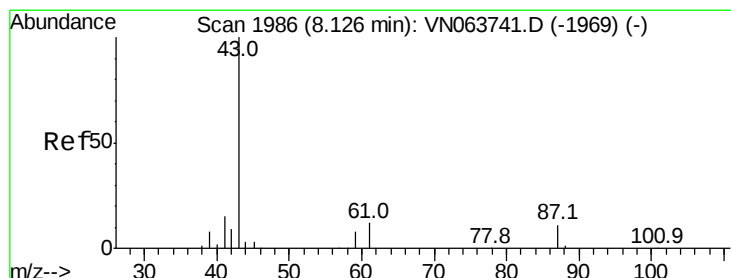
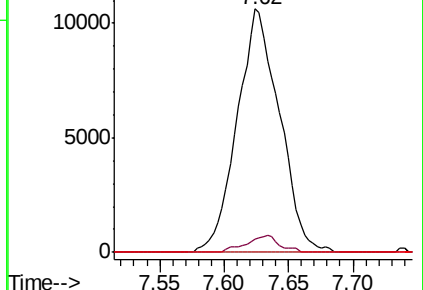
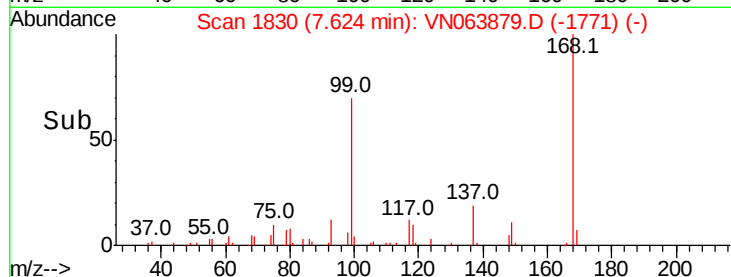
121 0.0 25.7 38.5#



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: 12.042 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

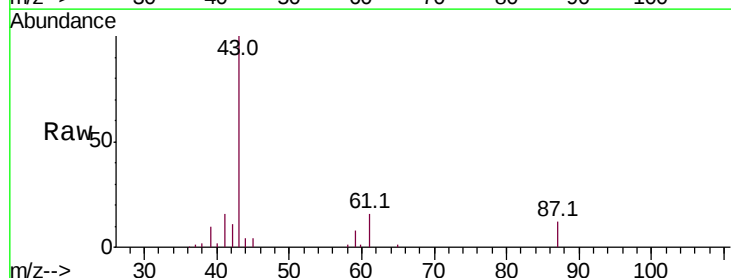
Tgt Ion: 43 Resp: 85184

Ion Ratio Lower Upper

43 100

61 16.8 14.2 21.4

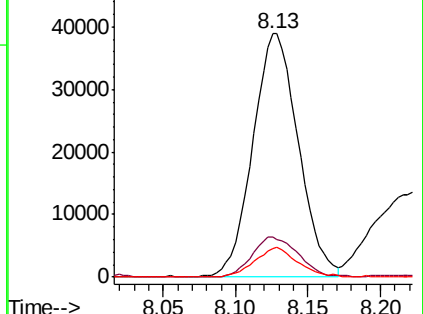
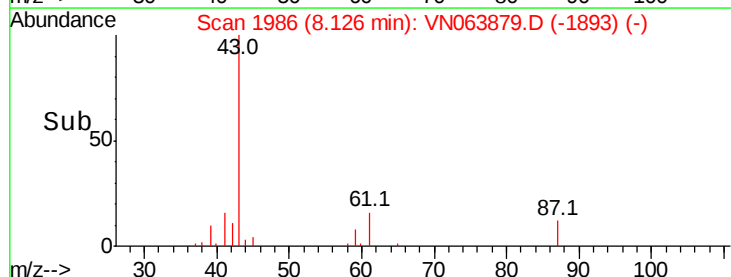
87 11.4 9.0 13.6

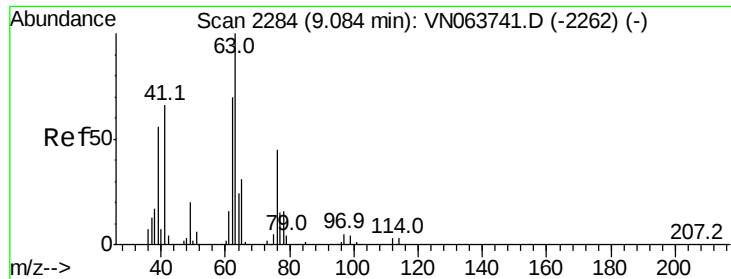


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.521 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

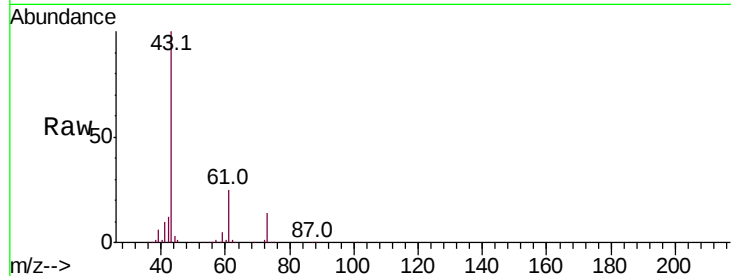
PB132063ZHE#11

Tot Ion: 63 Resp: 1735

Ion Ratio Lower Upper

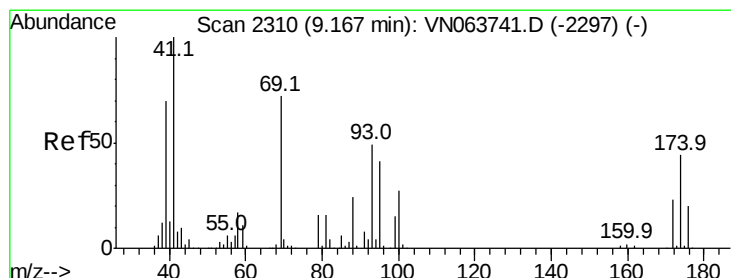
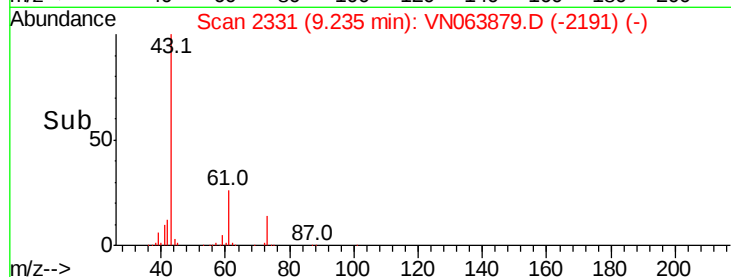
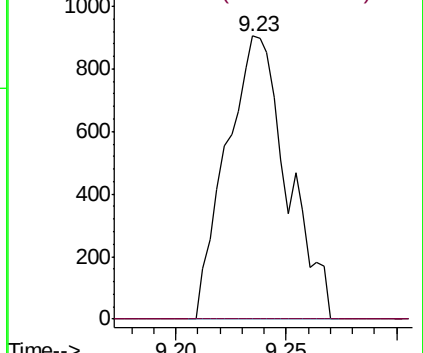
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.364 ug/l

RT: 9.15 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

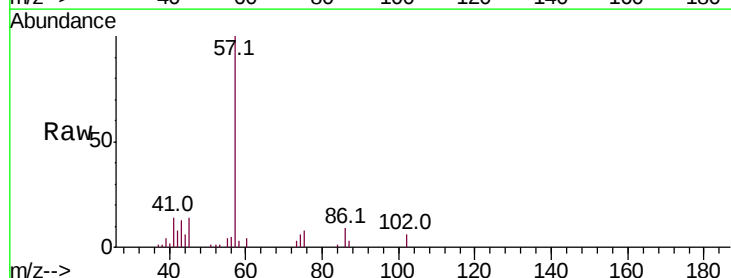
Tgt Ion: 41 Resp: 4767

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

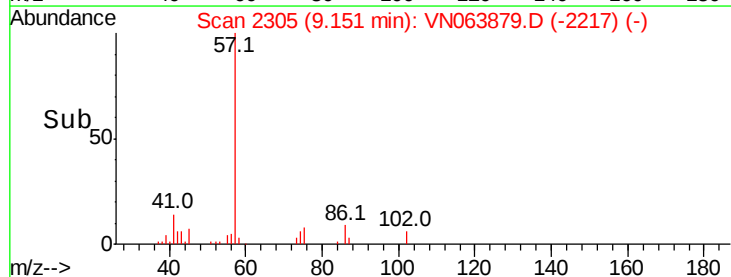
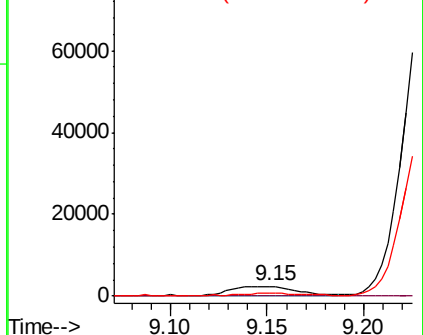
39 0.0 57.5 86.3#

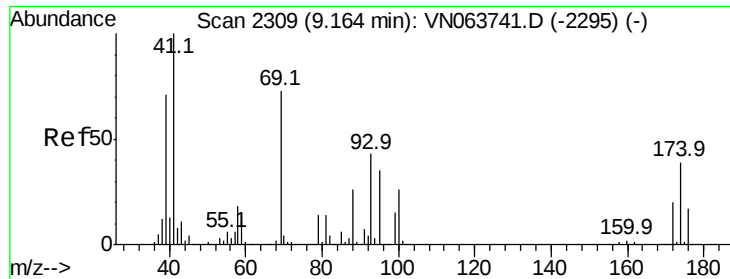


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 5.637 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#11

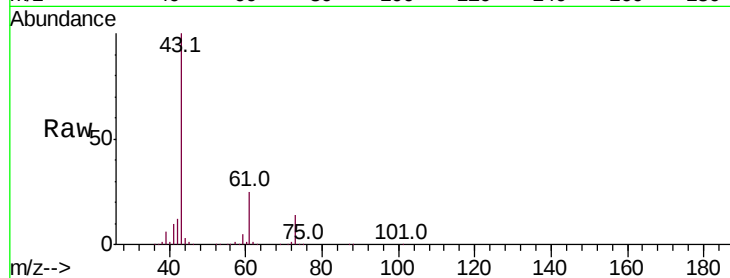
Tot Ion: 88 Resp: 280

Ion Ratio Lower Upper

88 100

43 544496.8 33.1 49.7#

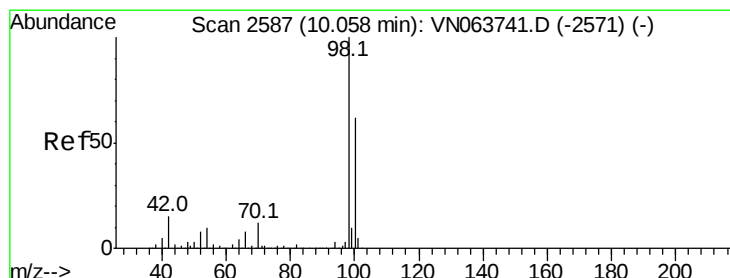
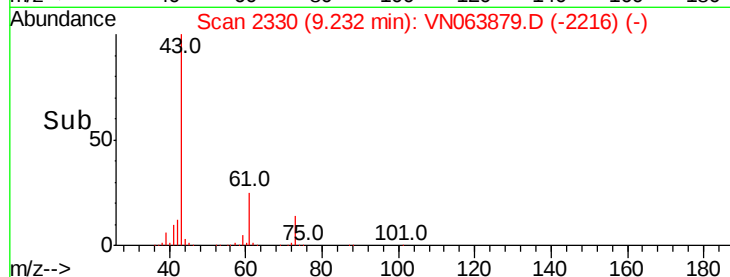
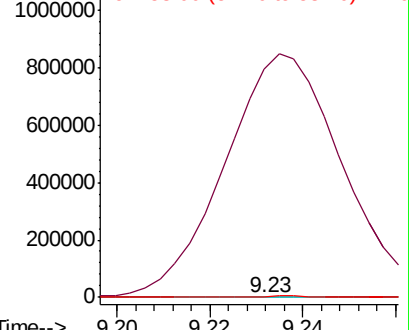
58 2657.1 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.401 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063879.D

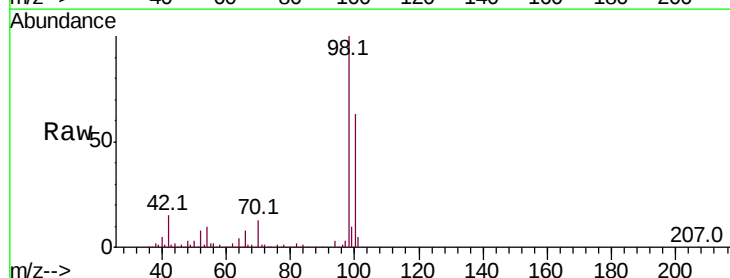
Acq: 5 Oct 2020 18:32

Tgt Ion: 98 Resp: 542461

Ion Ratio Lower Upper

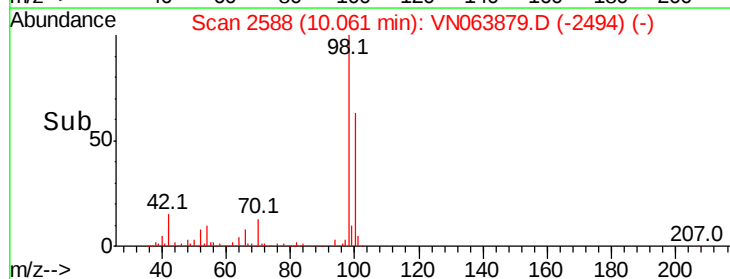
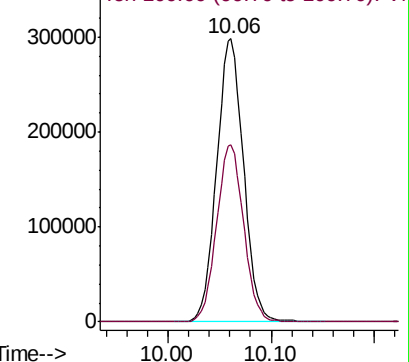
98 100

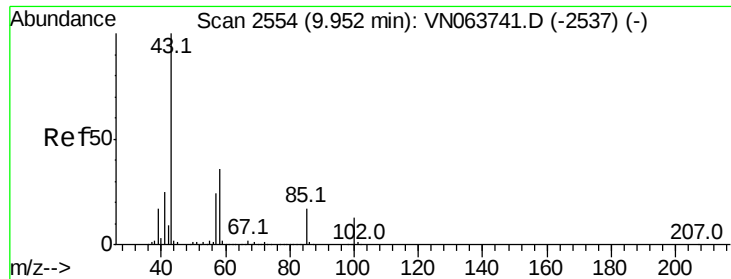
100 63.1 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

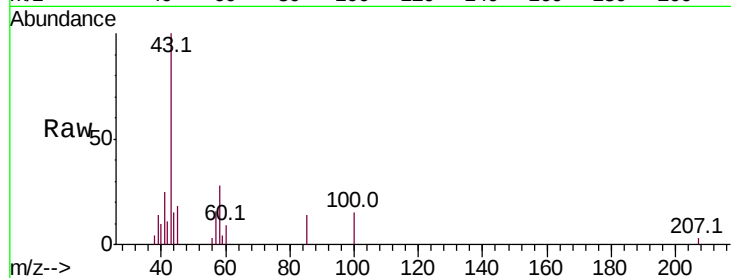




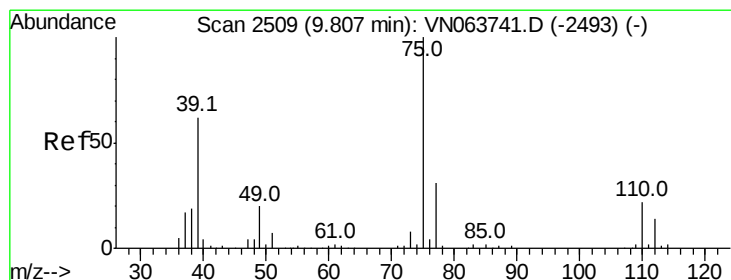
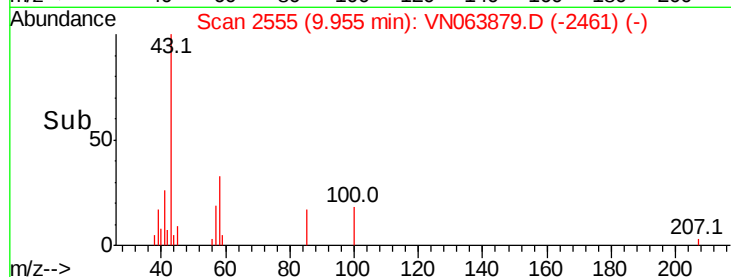
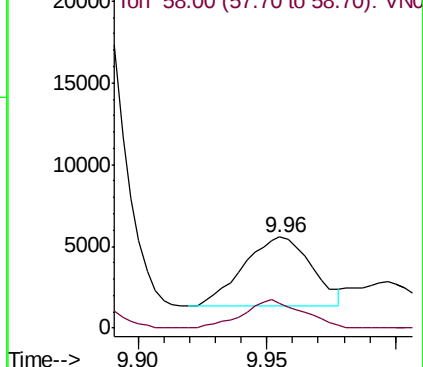
#51
 4-Methyl-2-Pentanone
 Concen: 1.892 ug/l
 RT: 9.96 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN063879.D
 Acq: 5 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#11

Tot Ion: 43 Resp: 7854
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.4 42.6

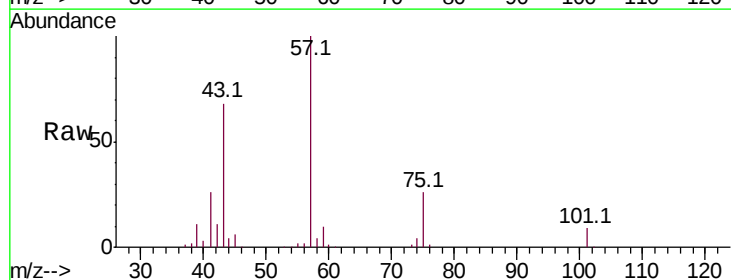


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

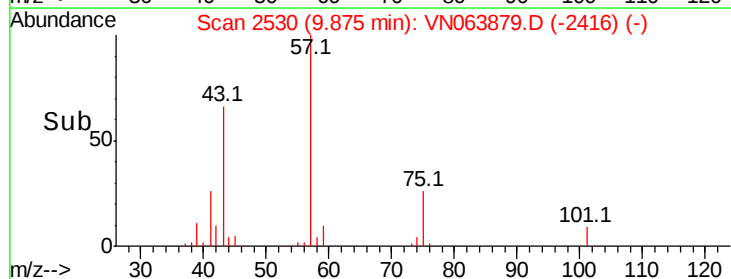
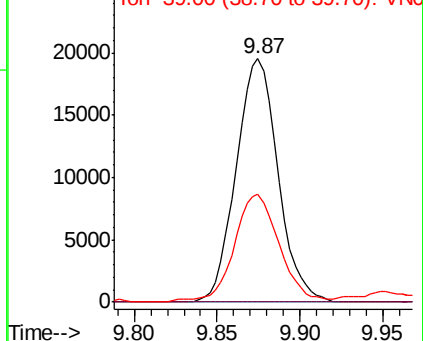


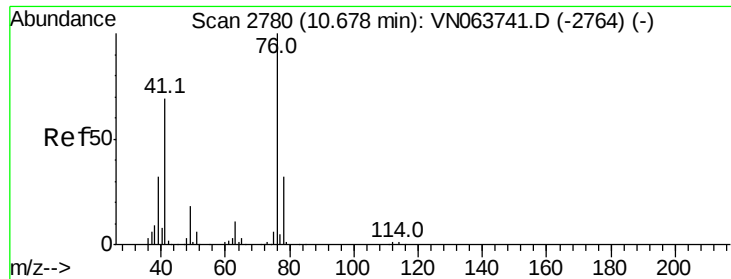
#54
 cis-1,3-Dichloropropene
 Concen: 6.466 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN063879.D
 Acq: 5 Oct 2020 18:32

Tgt Ion: 75 Resp: 34314
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.1 49.7 74.5#



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





#57

1,3-Dichloropropane

Concen: 1.137 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

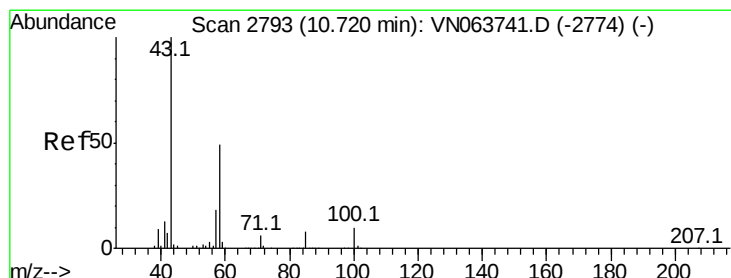
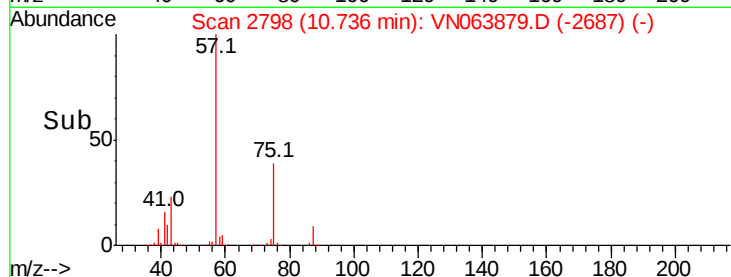
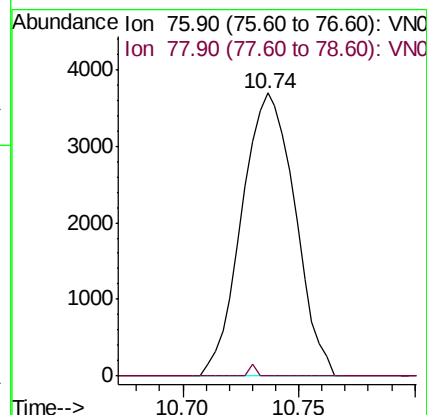
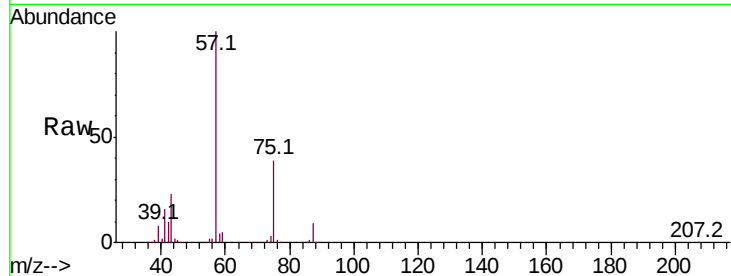
PB132063ZHE#11

Tot Ion: 76 Resp: 5881

Ion Ratio Lower Upper

76 100

78 0.5 25.2 37.8#



#59

2-Hexanone

Concen: 32.789 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063879.D

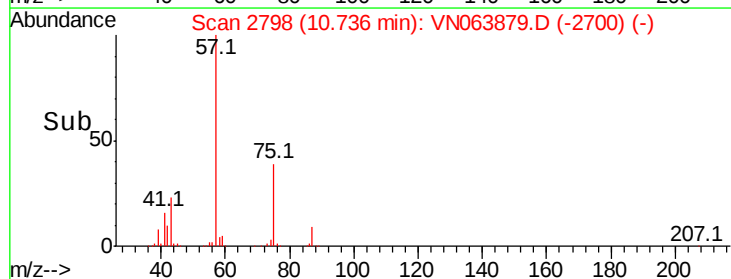
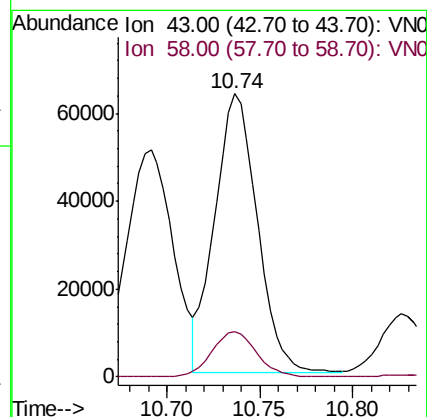
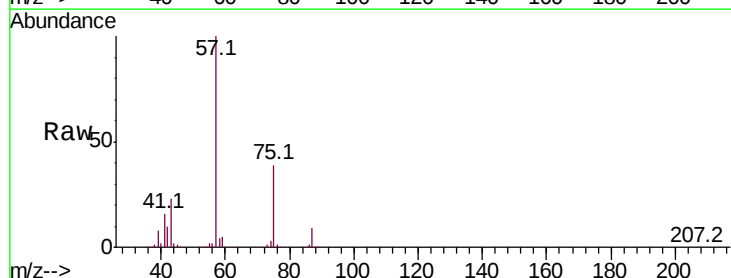
Acq: 5 Oct 2020 18:32

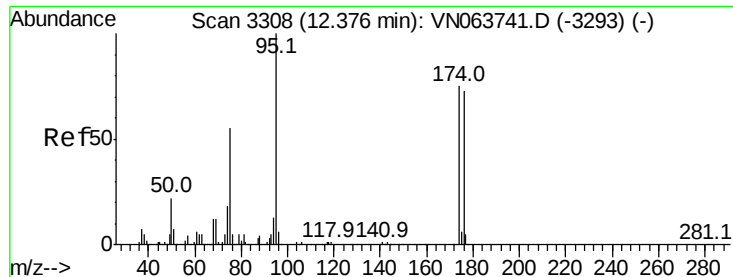
Tgt Ion: 43 Resp: 101115

Ion Ratio Lower Upper

43 100

58 17.1 24.6 73.8#

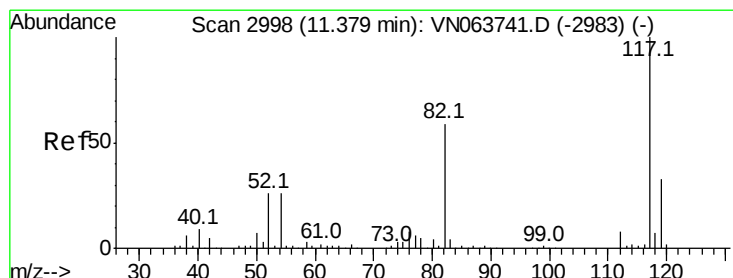
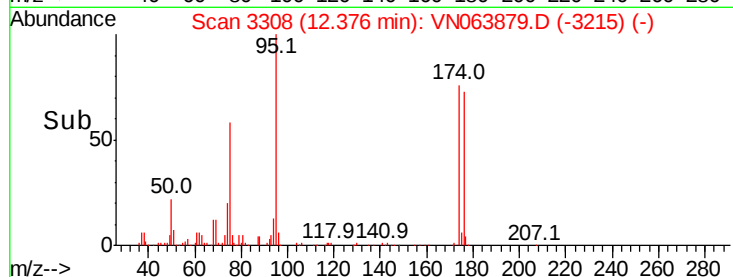
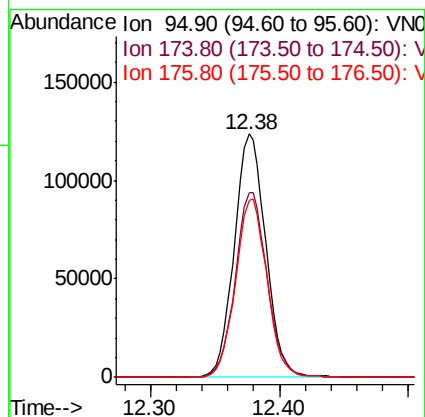
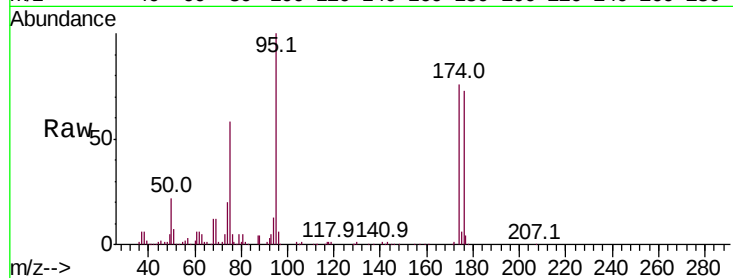




#62
4-Bromofluorobenzene
Concen: 49.670 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063879.D
Acq: 5 Oct 2020 18:32

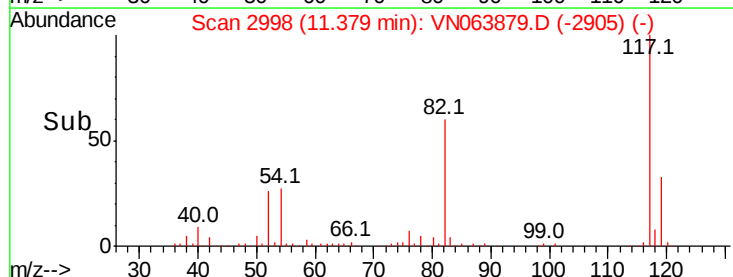
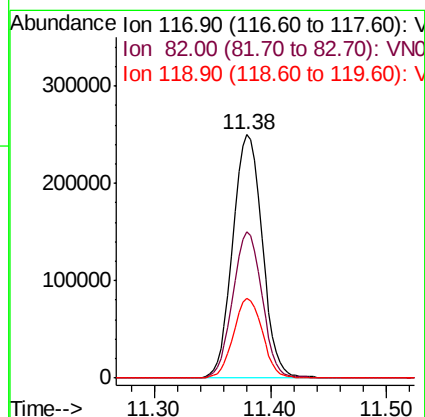
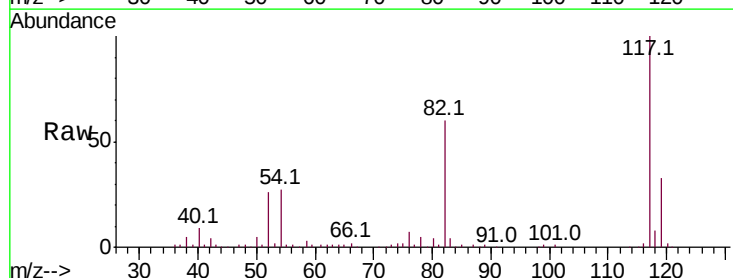
Instrument :
MSVOA_N
ClientSampleId :
PB132063ZHE#11

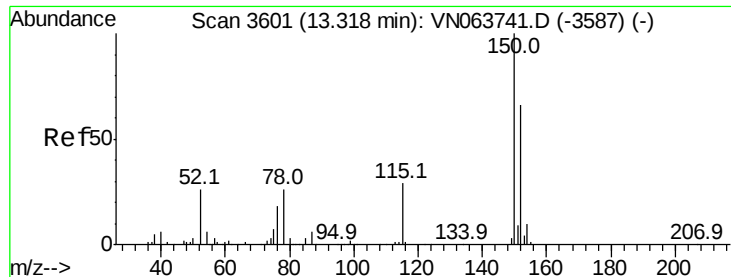
Tot Ion: 95 Resp: 209260
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.6
176 73.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063879.D
Acq: 5 Oct 2020 18:32

Tgt Ion: 117 Resp: 441077
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.6 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#11

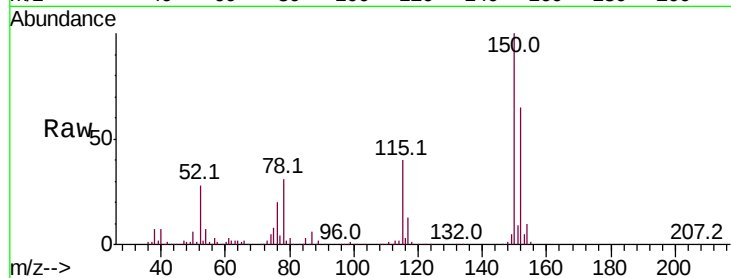
Tot Ion:152 Resp: 171402

Ion Ratio Lower Upper

152 100

115 62.6 31.3 93.8

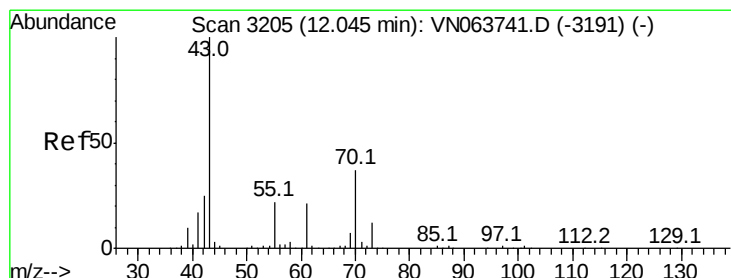
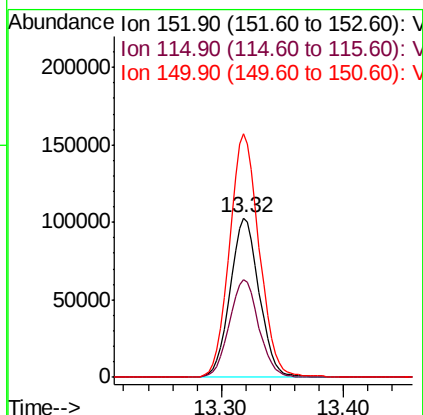
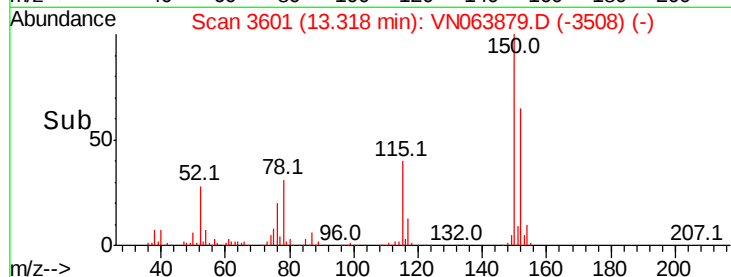
150 156.0 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.539 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Tgt Ion: 43 Resp: 1965

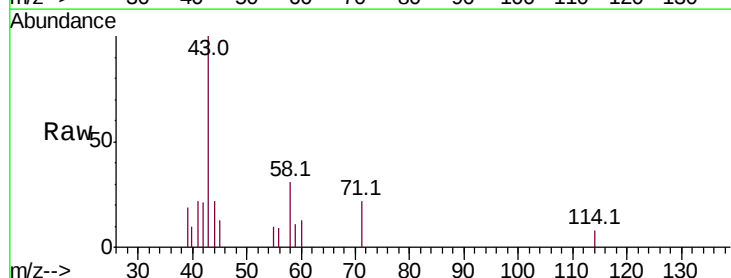
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 15.3 17.9 26.9#

61 0.0 17.0 25.4#

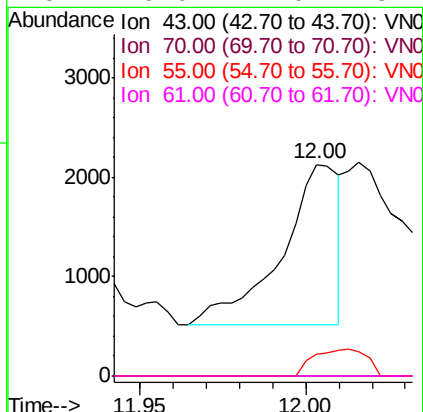
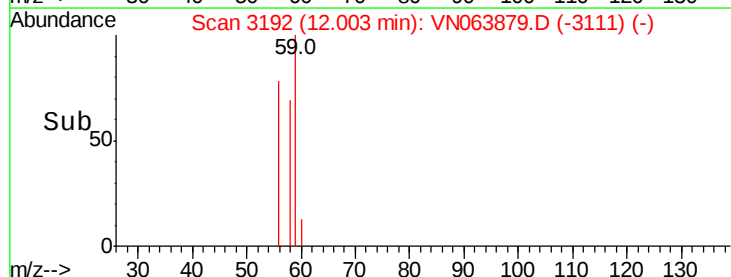


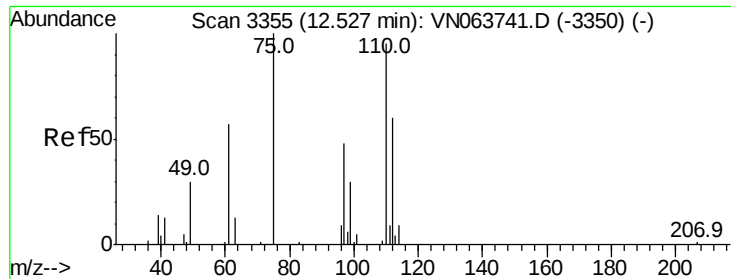
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

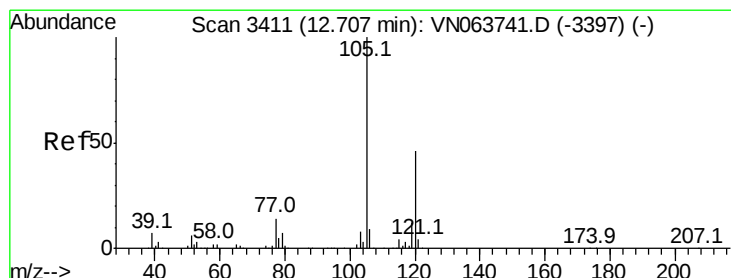
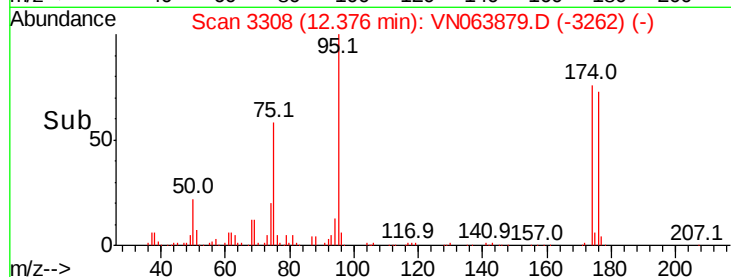
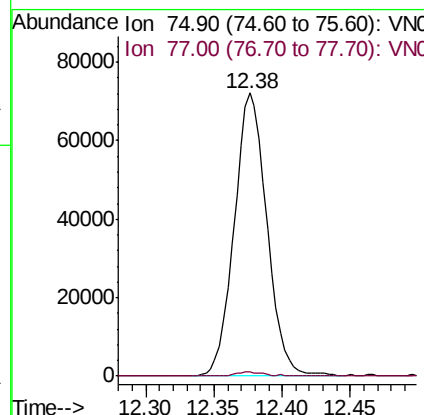
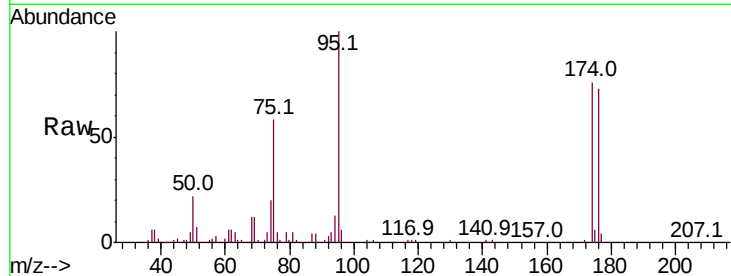




#76
 1,2,3-Trichloropropane
 Concen: 31.792 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063879.D
 Acq: 5 Oct 2020 18:32

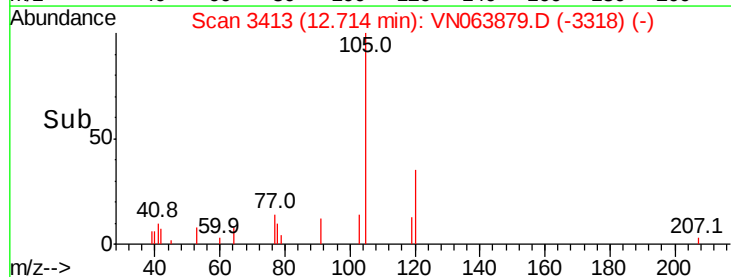
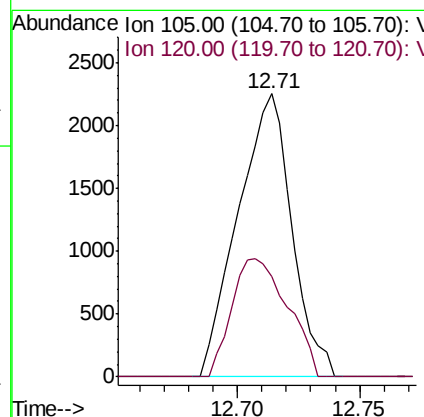
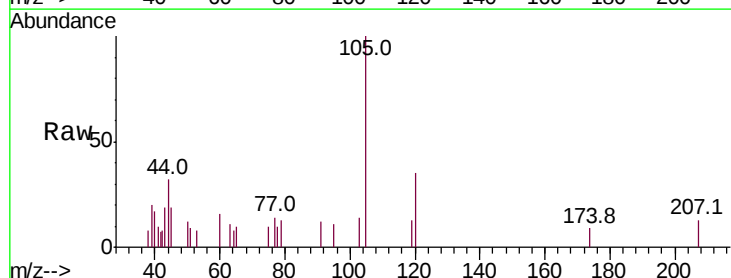
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132063ZHE#11

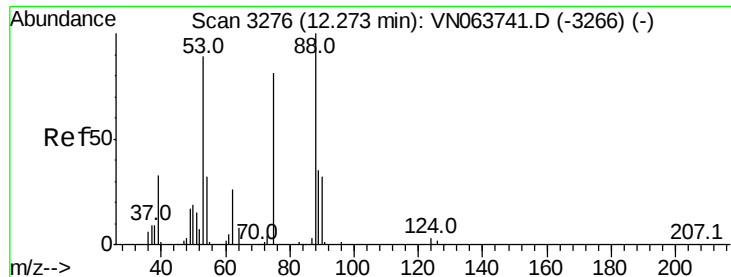
Tot Ion: 75 Resp: 120122
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.328 ug/l
 RT: 12.71 min Scan# 3413
 Delta R.T. 0.01 min
 Lab File: VN063879.D
 Acq: 5 Oct 2020 18:32

Tgt Ion: 105 Resp: 3442
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 91.566 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063879.D

Acq: 5 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

PB132063ZHE#11

Tot Ion: 75 Resp: 120122

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#

