

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064627.D
 Acq On : 13 Nov 2020 13:23
 Operator : JC/MD
 Sample : L4747-05 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-598-600

Quant Time: Nov 17 01:56:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	212968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	456568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	456875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163822	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	219064	59.05	ug/l	0.00
Spiked Amount			Recovery	=	118.10%	
35) Dibromofluoromethane	7.55	113	160830	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	10.06	98	577969	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.38	95	205265	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

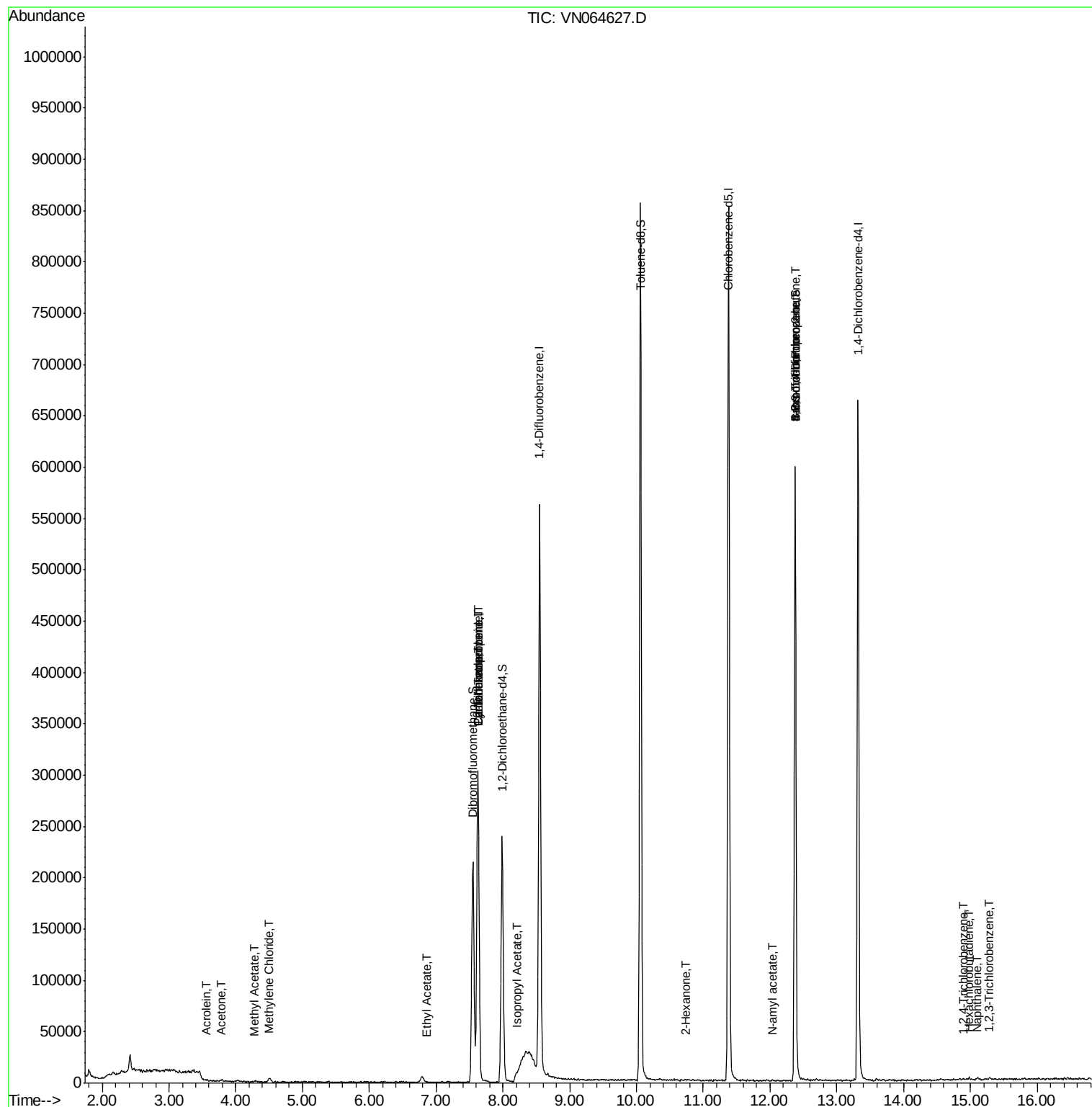
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	64	0.252	ug/l #	1
16) Acetone	3.77	43	1030	0.729	ug/l	92
18) Methyl Acetate	4.28	43	816	0.294	ug/l #	55
20) Methylene Chloride	4.51	84	2548	0.909	ug/l #	90
31) Cyclohexane	7.62	56	6380	1.415	ug/l #	38
36) 1,1-Dichloropropene	7.63	75	21541	4.466	ug/l #	52
37) Ethyl Acetate	6.86	43	75	0.777	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25603	4.967	ug/l #	17
43) Isopropyl Acetate	8.21	43	7130	0.912	ug/l #	64
59) 2-Hexanone	10.73	43	1231	4.354	ug/l #	31
71) Bromoform	12.37	173	654	1.502	ug/l #	1
74) N-amyl acetate	12.04	43	236	1.251	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	115632	29.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115632	81.339	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	378	2.800	ug/l #	24
94) Hexachlorobutadiene	14.99	225	394	0.366	ug/l	89
95) Naphthalene	15.11	128	2017	3.831	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.28	180	587	2.993	ug/l #	80

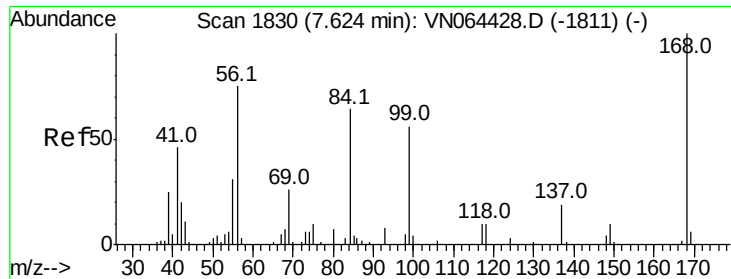
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

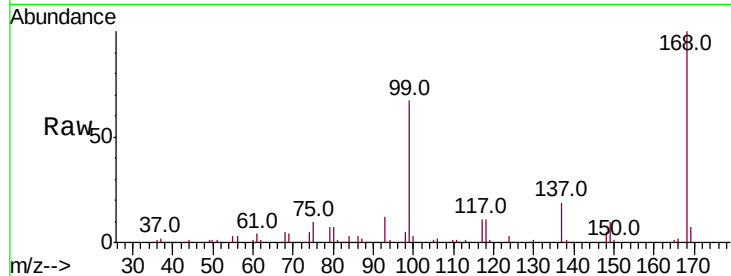
BP-VPB178-GW-598-600

Tot Ion:168 Resp: 212968

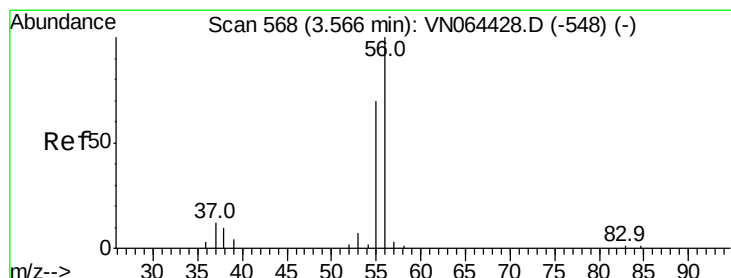
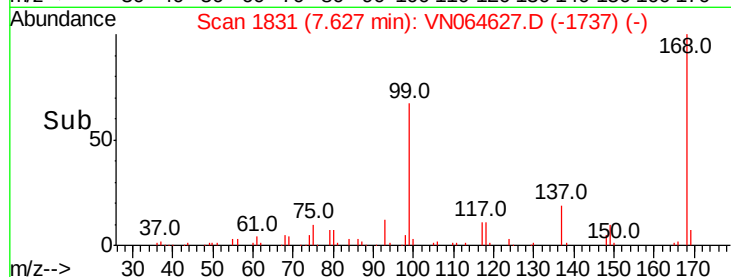
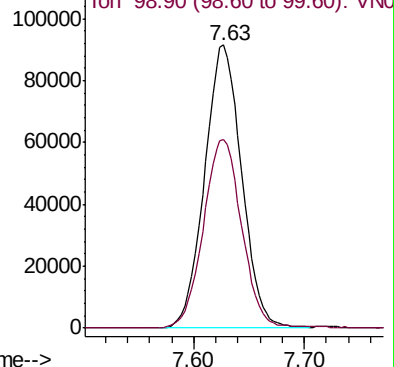
Ion Ratio Lower Upper

168 100

99 66.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064627.D (-1737) (-)



#13

Acrolein

Concen: 0.252 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064627.D

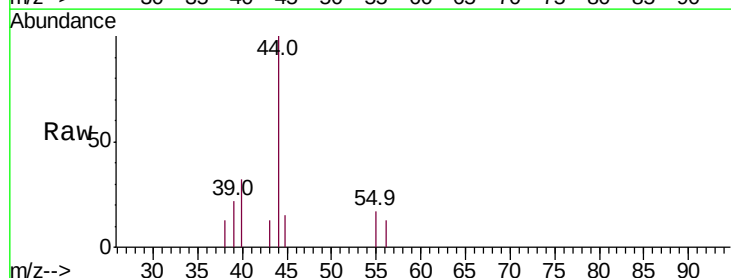
Acq: 13 Nov 2020 13:23

Tgt Ion: 56 Resp: 64

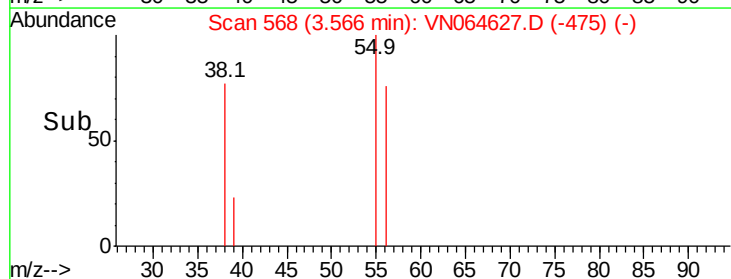
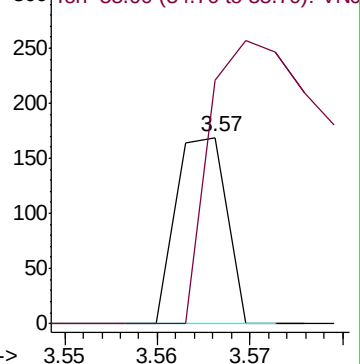
Ion Ratio Lower Upper

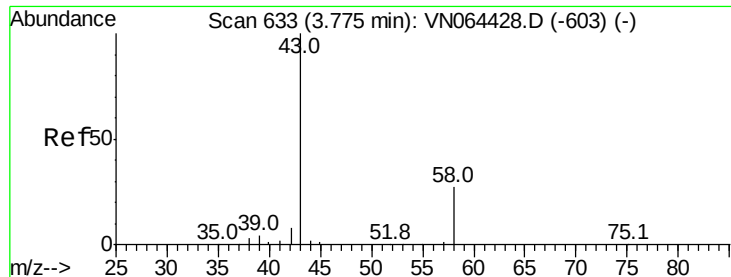
56 100

55 335.9 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064627.D (-475) (-)

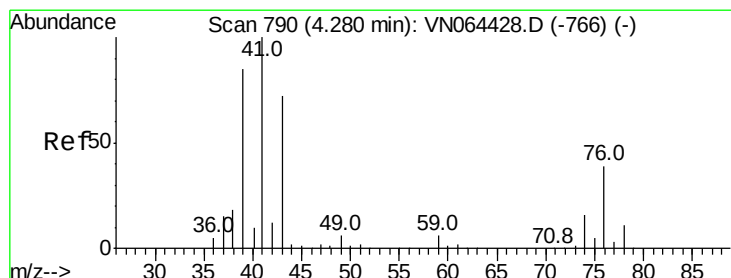
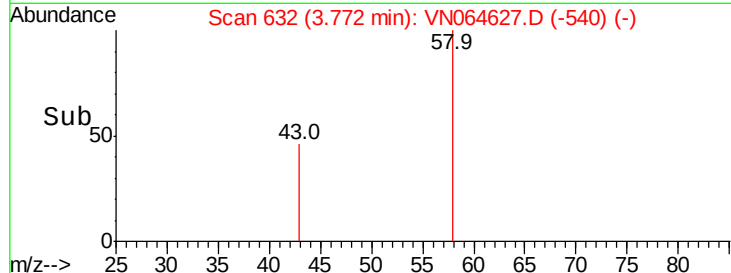
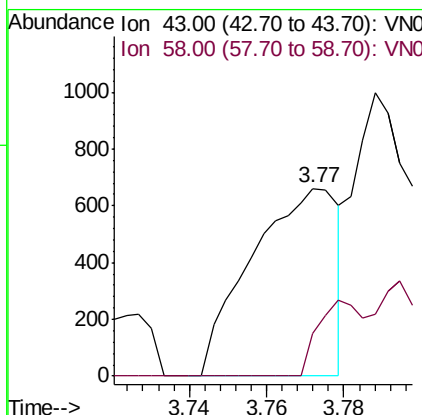
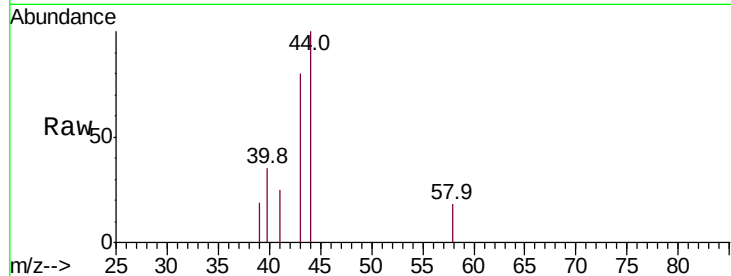




#16
Acetone
Concen: 0.729 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

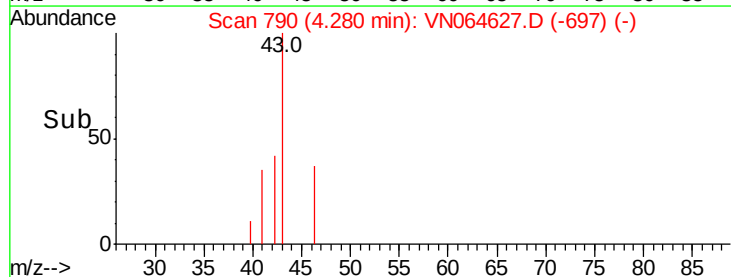
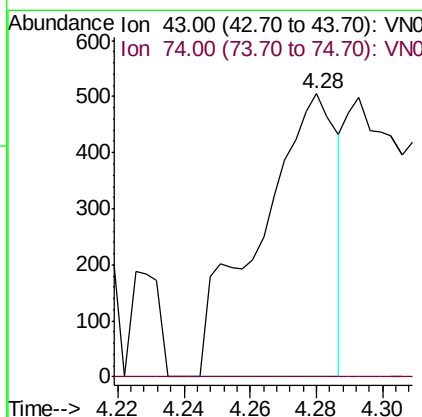
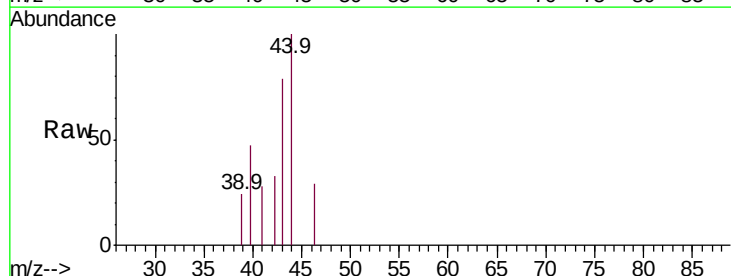
Instrument :
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ClientSampleId :
BP-VPB178-GW-598-600

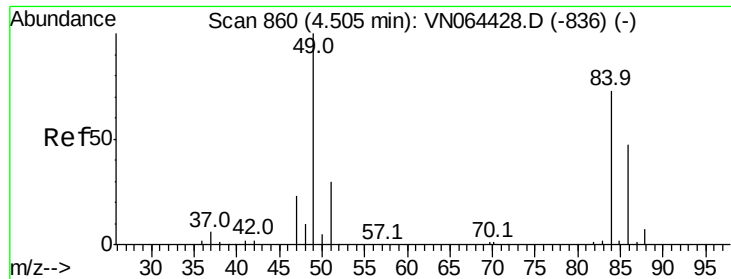
Tot Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 22.8 21.4 32.0



#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#

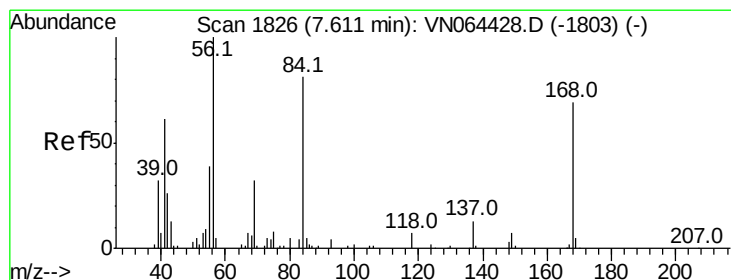
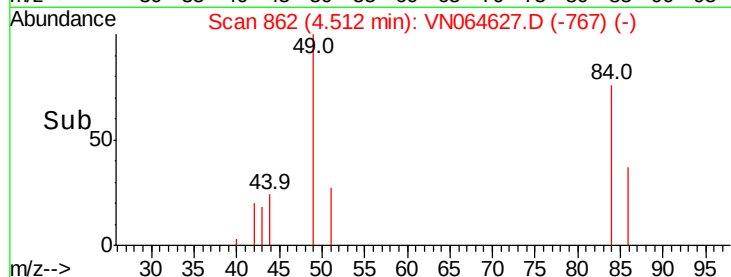
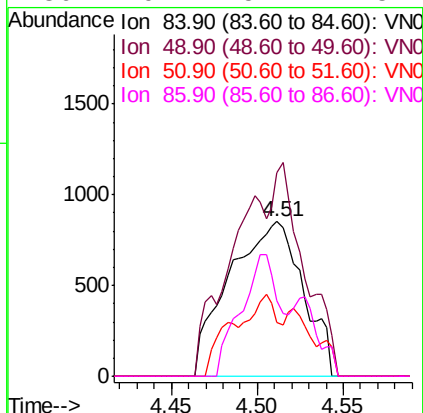
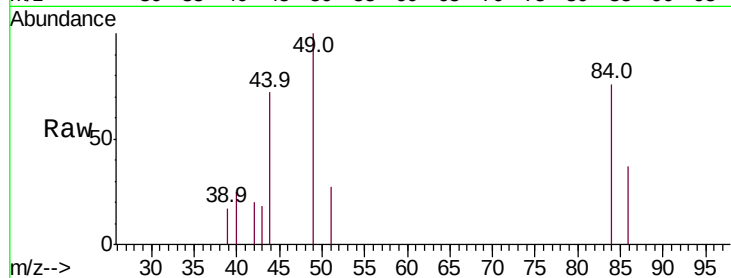




#20
Methvlene Chloride
Concen: 0.909 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

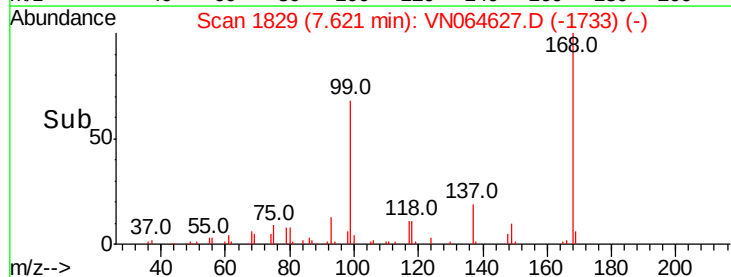
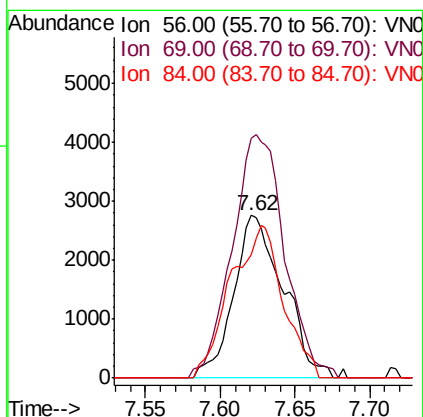
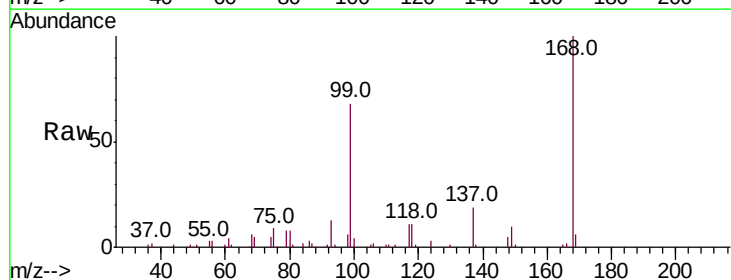
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-598-600

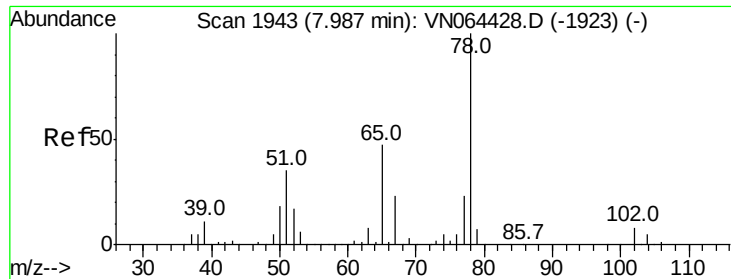
Tot Ion: 84 Resp: 2548
Ion Ratio Lower Upper
84 100
49 131.7 110.1 165.1
51 35.2 33.6 50.4
86 49.1 52.1 78.1#



#31
Cyclohexane
Concen: 1.415 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

Tgt Ion: 56 Resp: 6380
Ion Ratio Lower Upper
56 100
69 147.2 25.6 38.4#
84 76.1 63.0 94.6

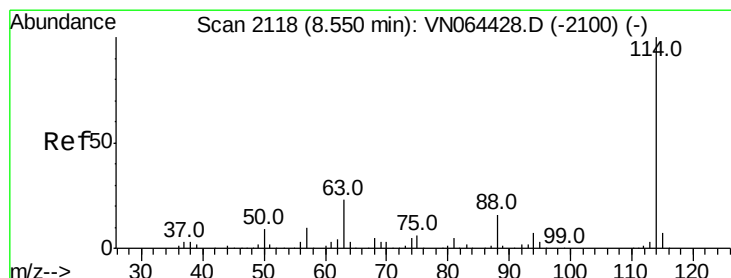
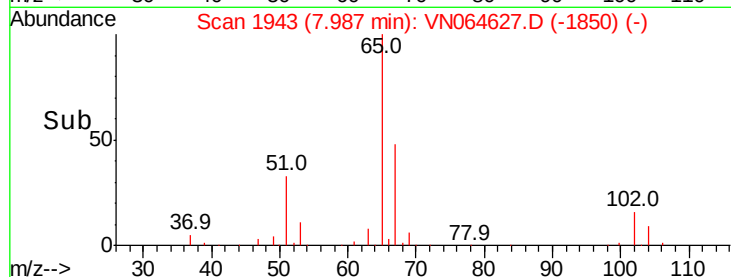
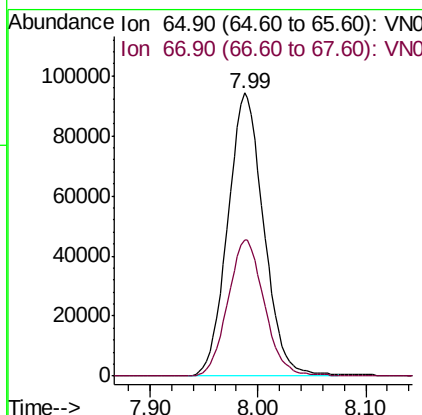
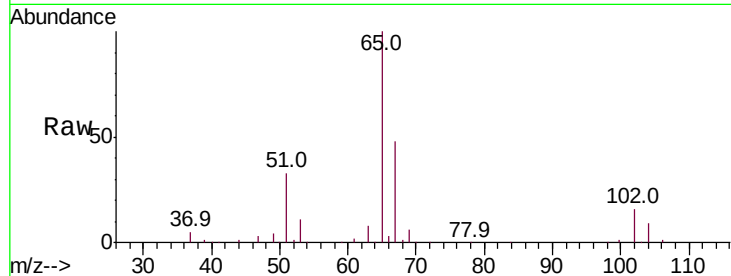




#33
 1,2-Dichloroethane-d4
 Concen: 59.054 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064627.D
 Acq: 13 Nov 2020 13:23

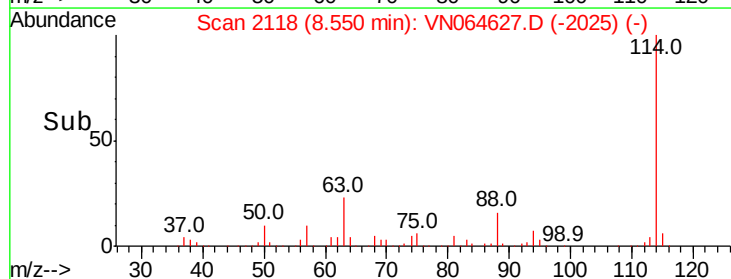
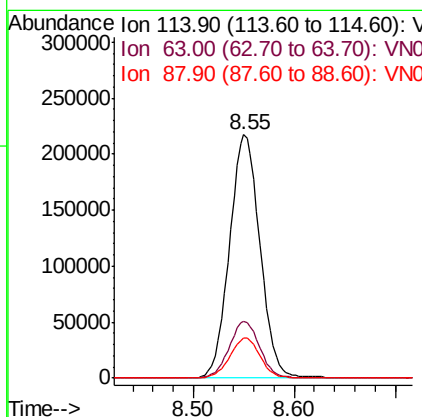
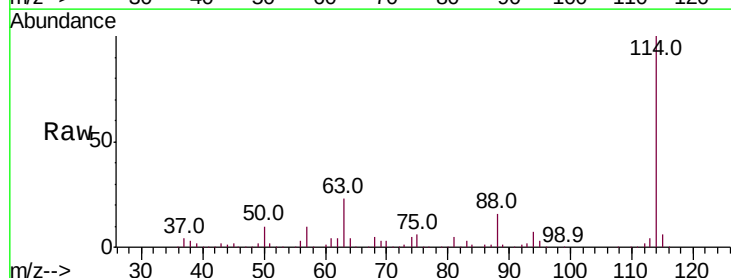
Instrument :
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 ClientSampleId :
 BP-VPB178-GW-598-600

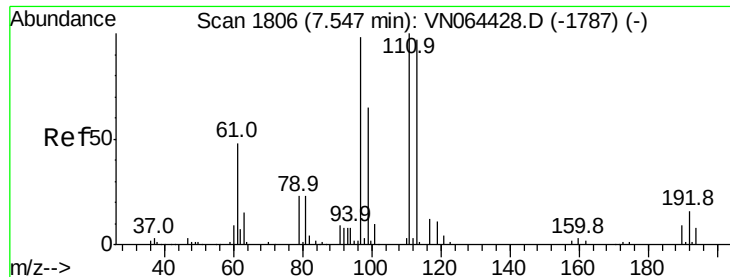
Tot Ion: 65 Resp: 219064
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064627.D
 Acq: 13 Nov 2020 13:23

Tgt Ion: 114 Resp: 456568
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 16.3 0.0 32.8

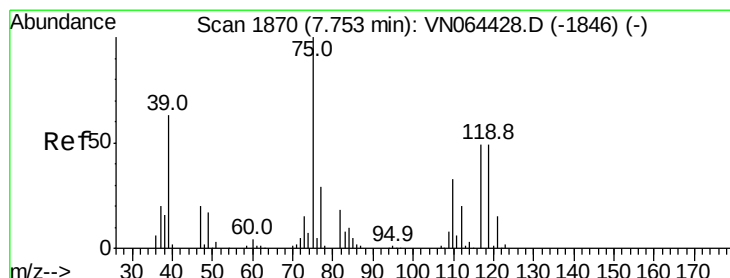
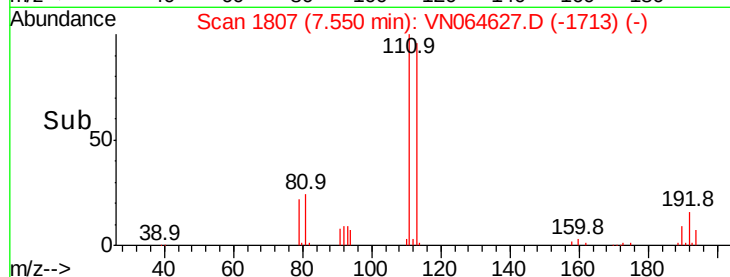
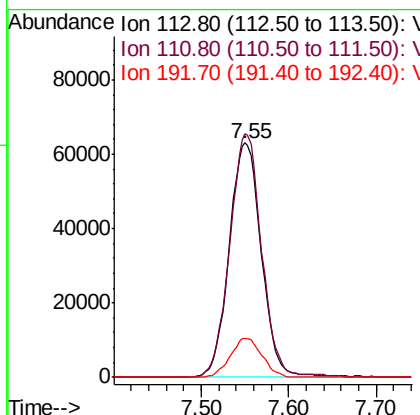
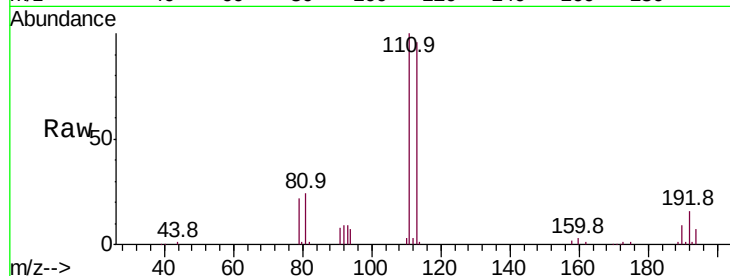




#35
 Dibromofluoromethane
 Concen: 51.737 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064627.D
 Acq: 13 Nov 2020 13:23

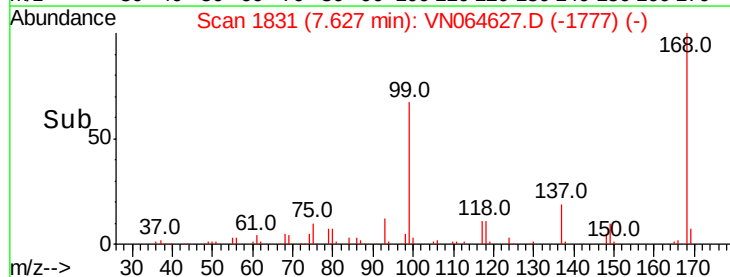
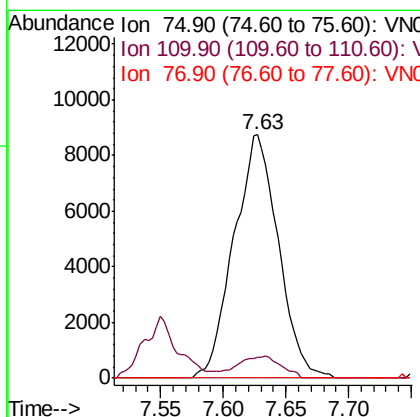
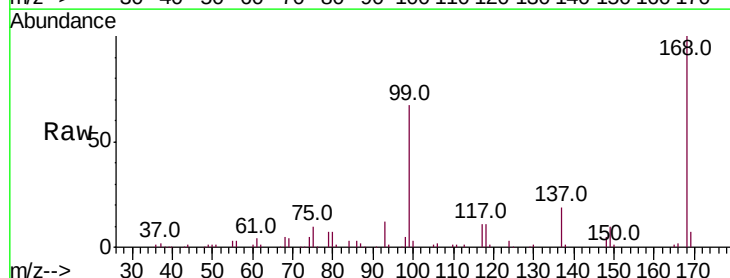
Instrument :
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 ClientSampleId :
 BP-VPB178-GW-598-600

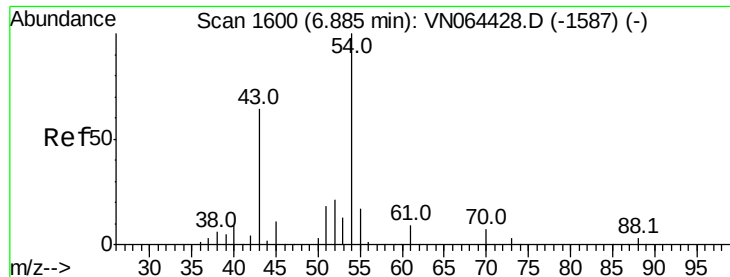
Tot Ion:113 Resp: 160830
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 16.5 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.466 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064627.D
 Acq: 13 Nov 2020 13:23

Tgt Ion: 75 Resp: 21541
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.0 48.0#
 77 0.0 24.0 36.0#

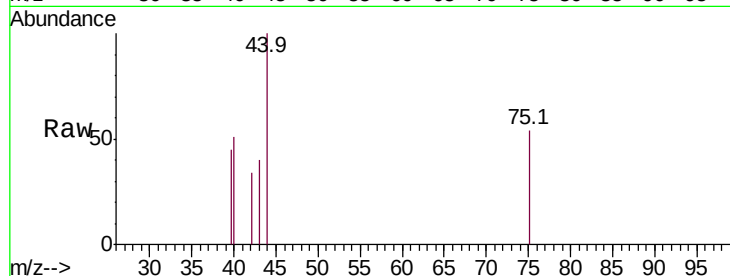




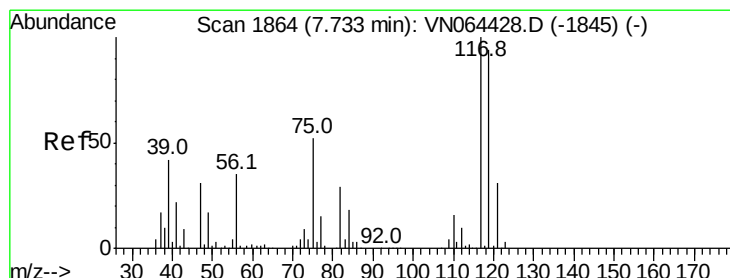
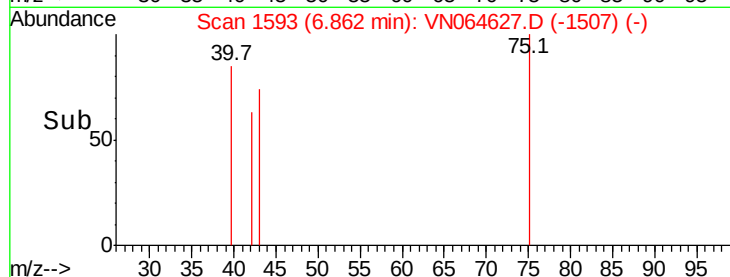
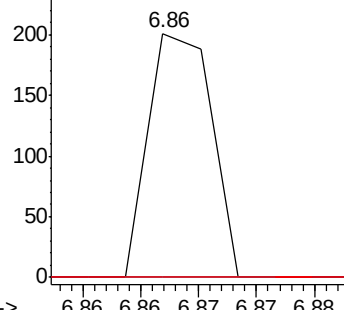
#37
Ethyl Acetate
Concen: 0.777 ug/l
RT: 6.86 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-598-600

Tot Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#

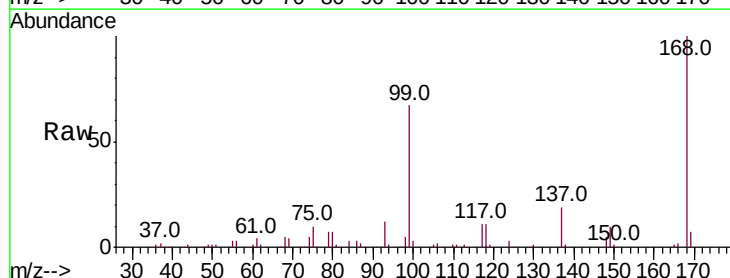


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

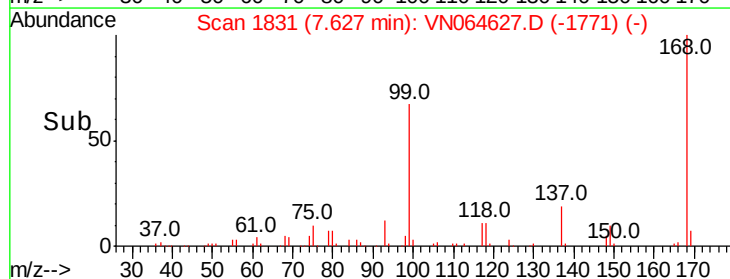
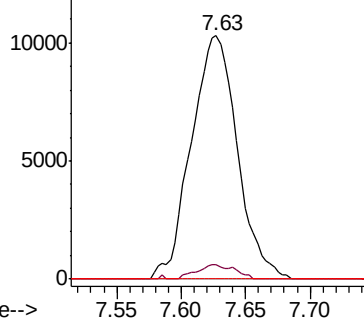


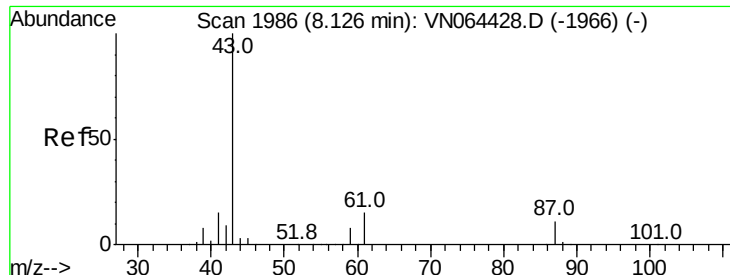
#38
Carbon Tetrachloride
Concen: 4.967 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

Tgt Ion: 117 Resp: 25603
Ion Ratio Lower Upper
117 100
119 5.7 75.5 113.3#
121 0.0 24.4 36.6#



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: 0.912 ug/l

RT: 8.21 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-598-600

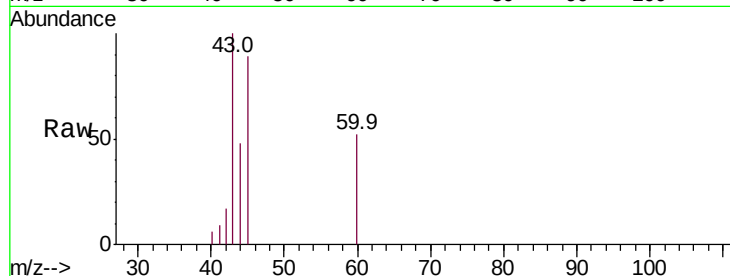
Tot Ion: 43 Resp: 7130

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

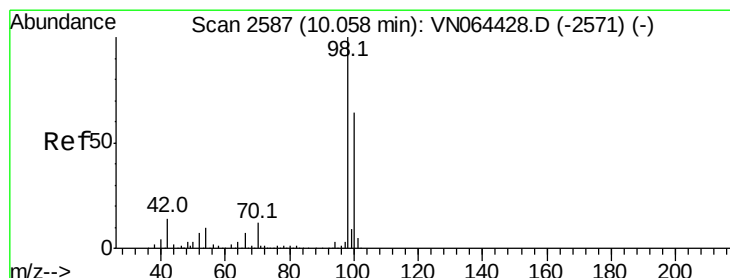
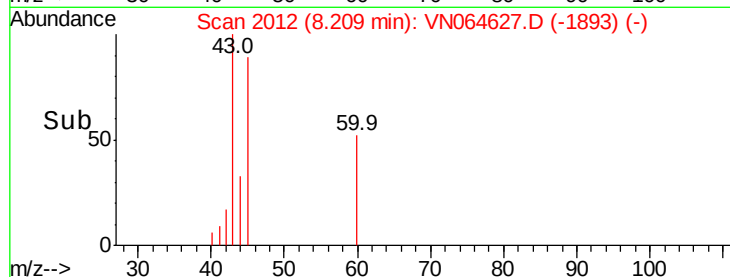
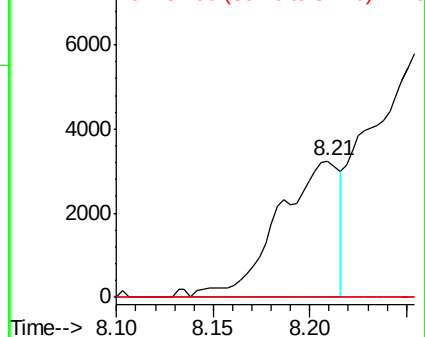
87 0.0 9.1 13.7#



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: 48.105 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064627.D

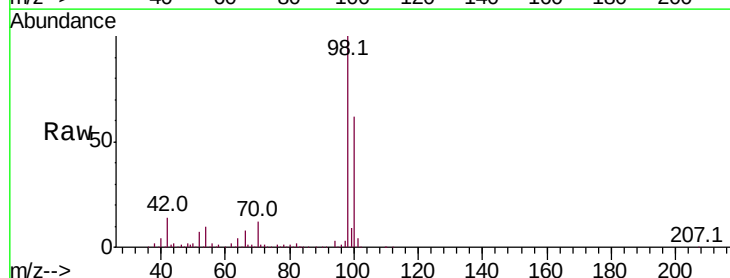
Acq: 13 Nov 2020 13:23

Tgt Ion: 98 Resp: 577969

Ion Ratio Lower Upper

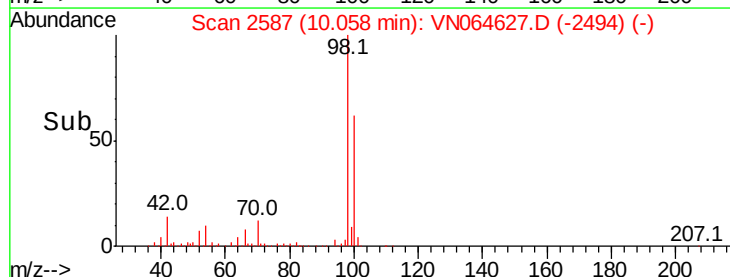
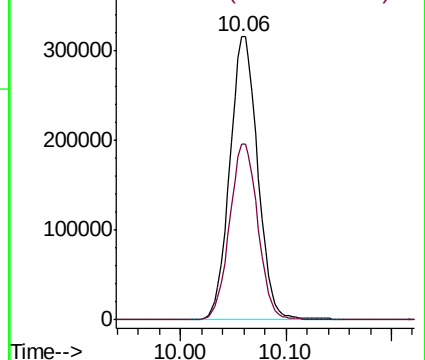
98 100

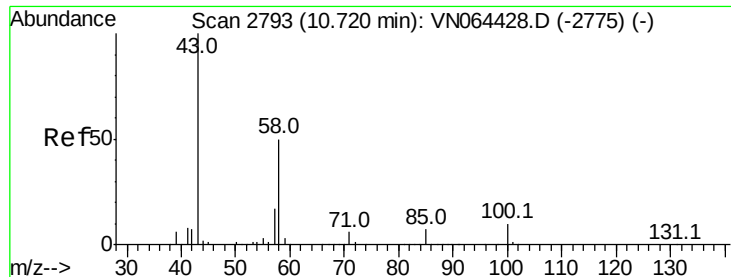
100 62.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 4.354 ug/l

RT: 10.73 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

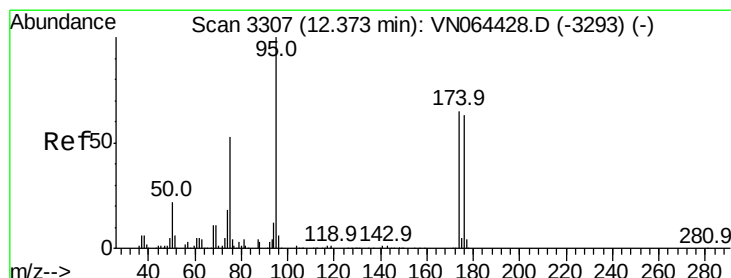
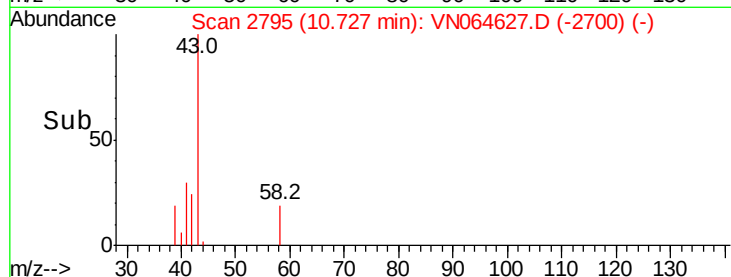
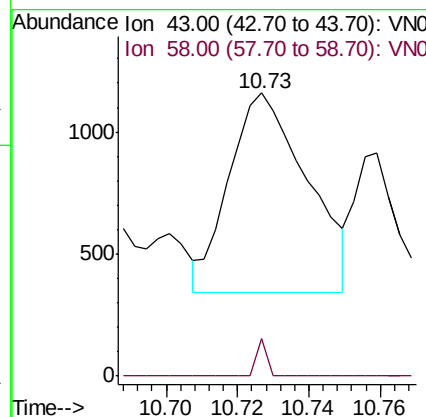
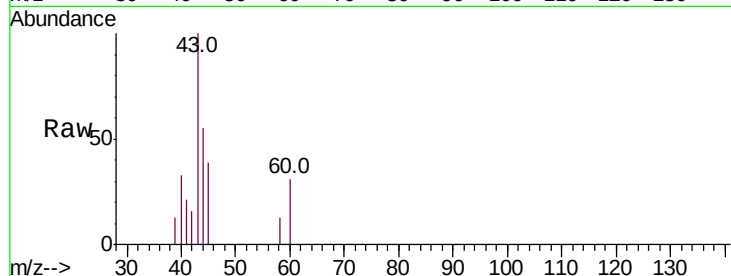
BP-VPB178-GW-598-600

Tot Ion: 43 Resp: 1231

Ion Ratio Lower Upper

43 100

58 2.4 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 45.174 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

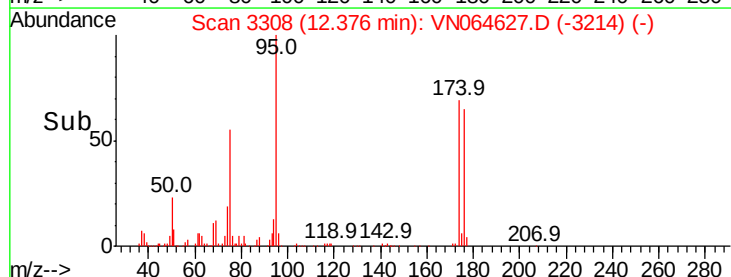
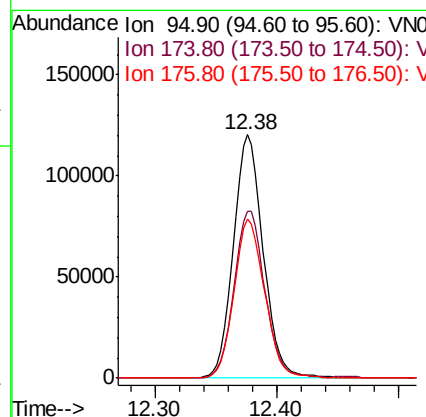
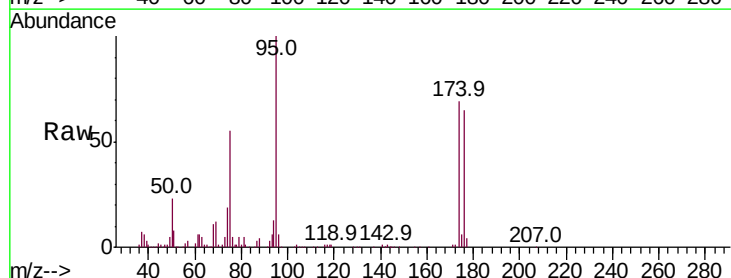
Tgt Ion: 95 Resp: 205265

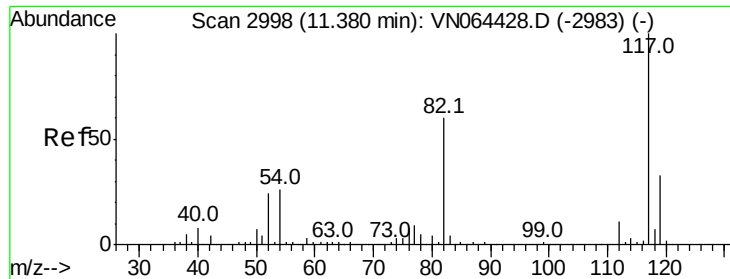
Ion Ratio Lower Upper

95 100

174 71.0 0.0 132.6

176 67.0 0.0 129.2

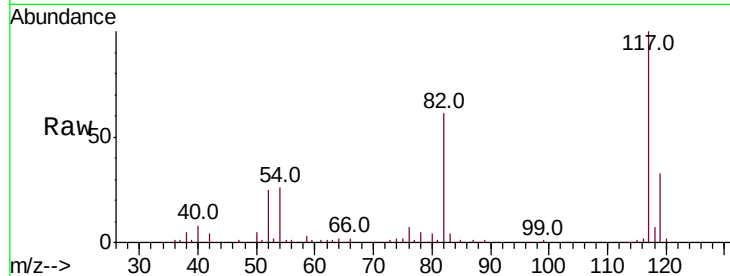




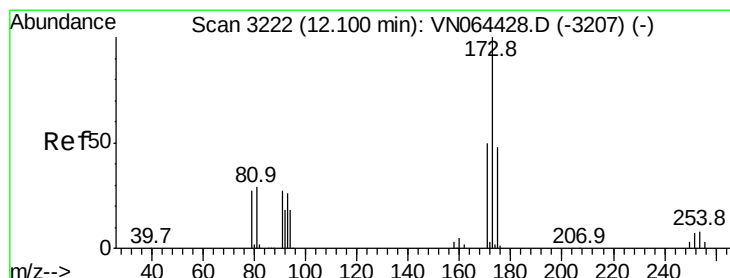
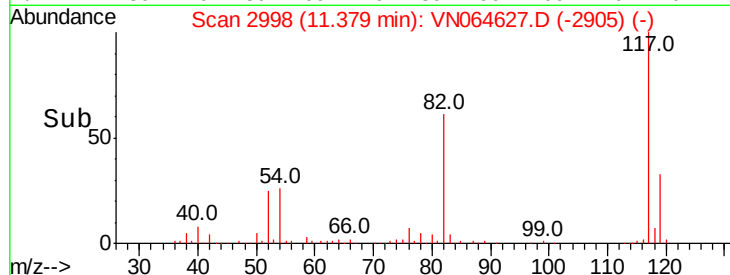
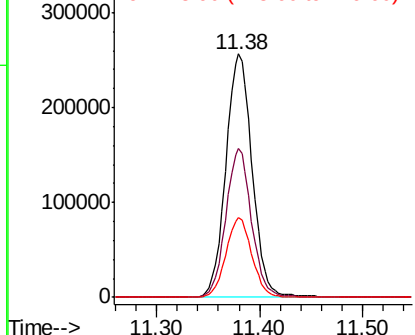
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-598-600

Tot Ion:117 Resp: 456875
Ion Ratio Lower Upper
117 100
82 61.2 48.1 72.1
119 32.7 26.2 39.4

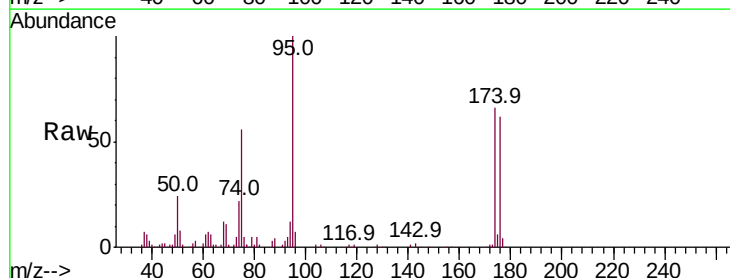


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

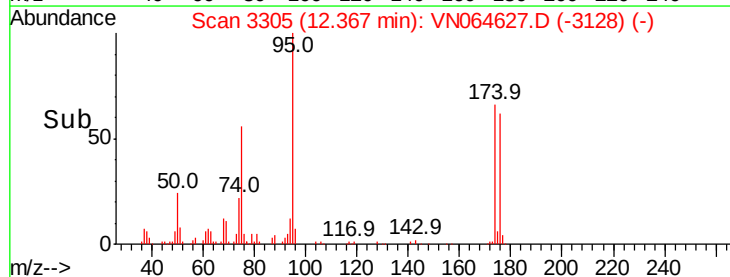
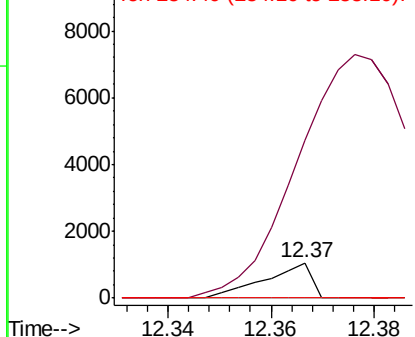


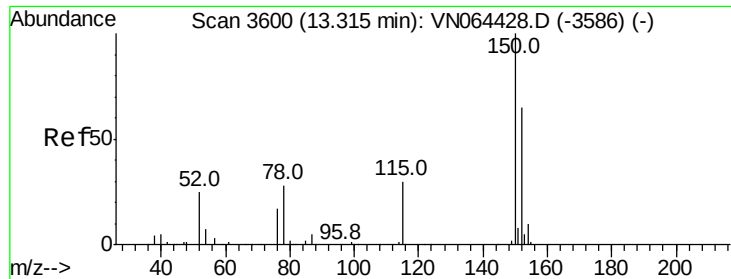
#71
Bromoform
Concen: 1.502 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN064627.D
Acq: 13 Nov 2020 13:23

Tgt Ion:173 Resp: 654
Ion Ratio Lower Upper
173 100
175 1508.4 23.7 71.1#
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: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-598-600

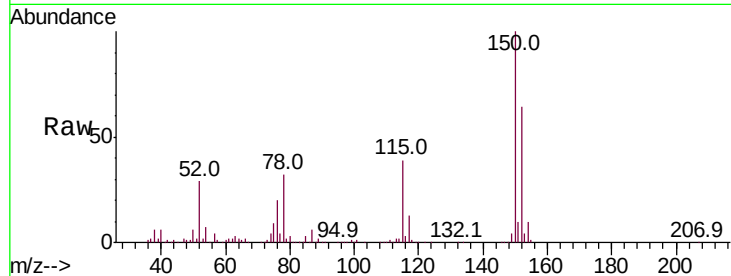
Tot Ion:152 Resp: 163822

Ion Ratio Lower Upper

152 100

115 63.5 32.0 96.0

150 158.4 0.0 353.8

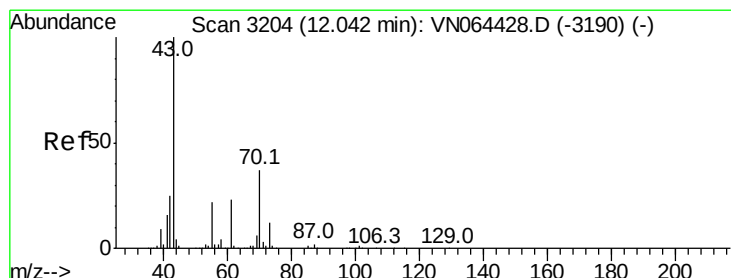
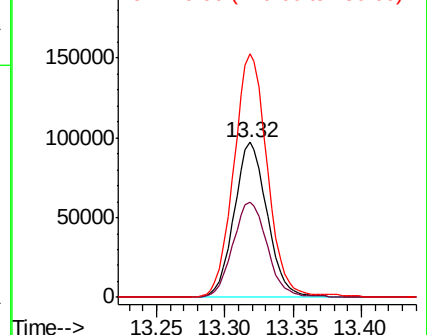
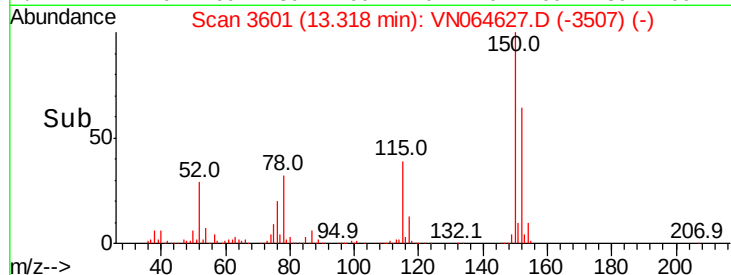


Abundance

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: 1.251 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

Tgt Ion: 43 Resp: 236

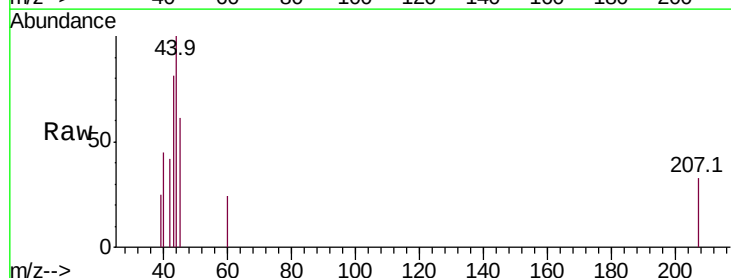
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#



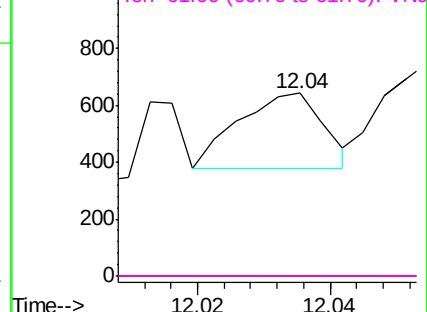
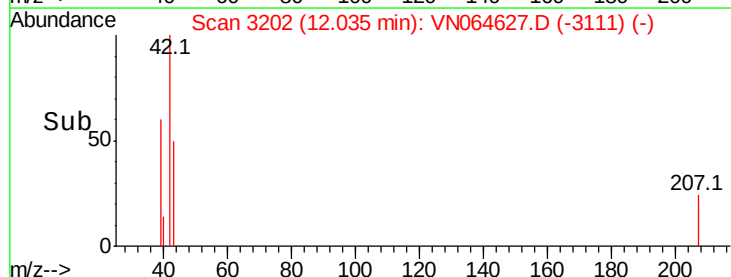
Abundance

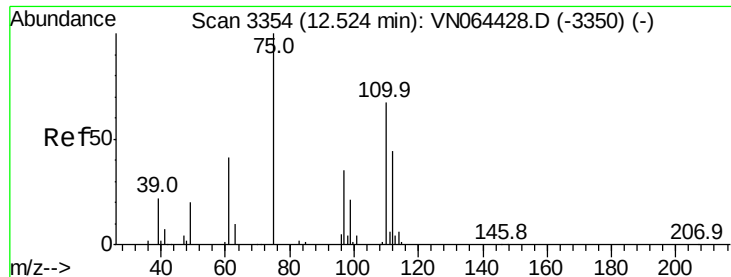
Ion 43.00 (42.70 to 43.70): V

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: 29.132 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

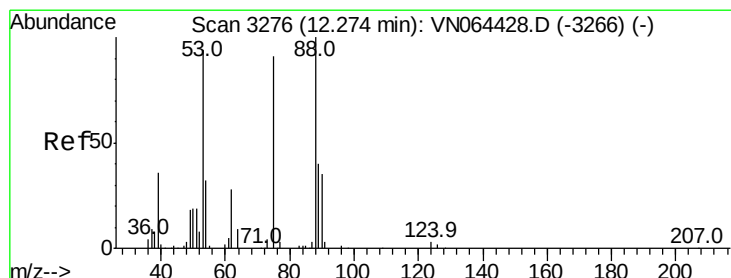
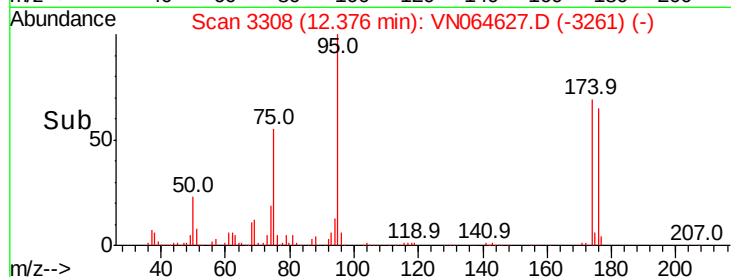
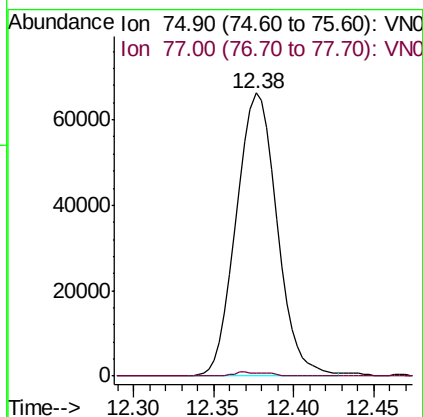
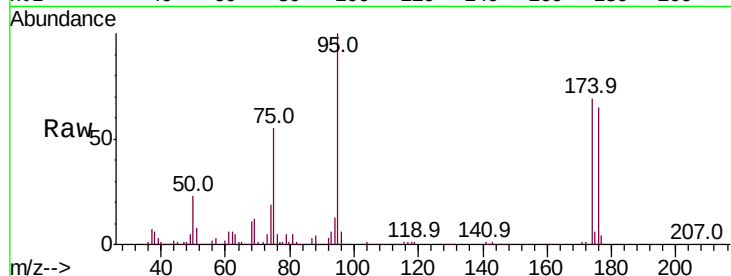
BP-VPB178-GW-598-600

Tot Ion: 75 Resp: 115632

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.339 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

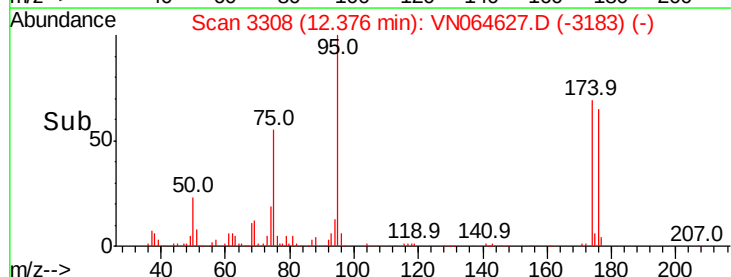
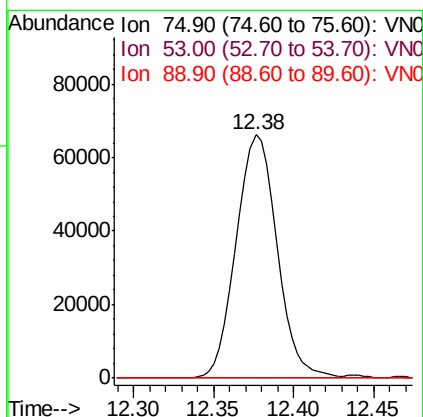
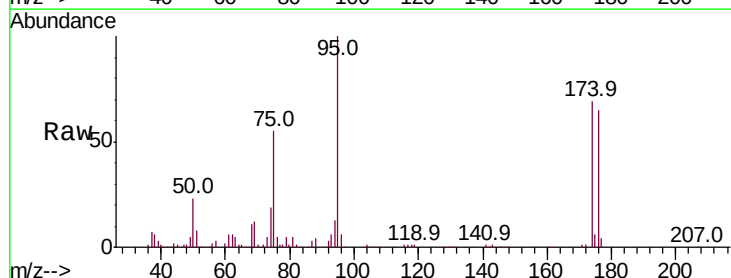
Tgt Ion: 75 Resp: 115632

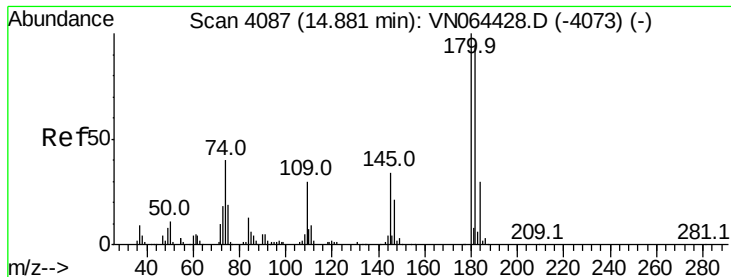
Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#





#93

1,2,4-Trichlorobenzene

Concen: 2.800 ug/l

RT: 14.89 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-598-600

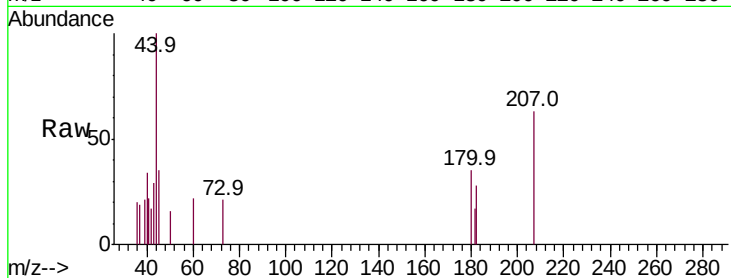
Tot Ion:180 Resp: 378

Ion Ratio Lower Upper

180 100

182 173.8 47.3 142.0#

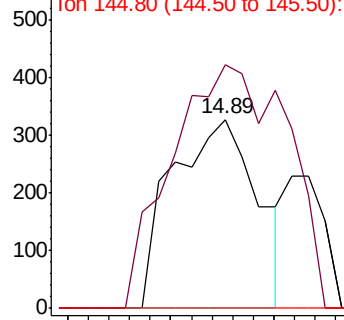
145 0.0 16.7 50.1#



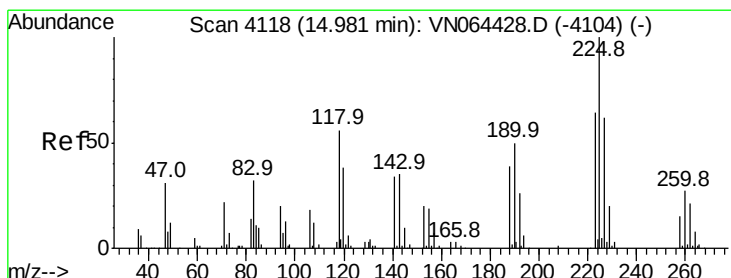
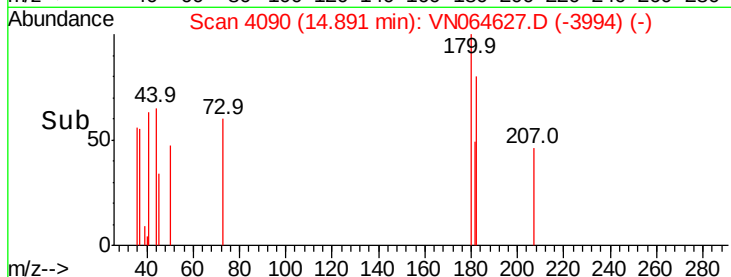
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time--> 14.86 14.88 14.90



#94

Hexachlorobutadiene

Concen: 0.366 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

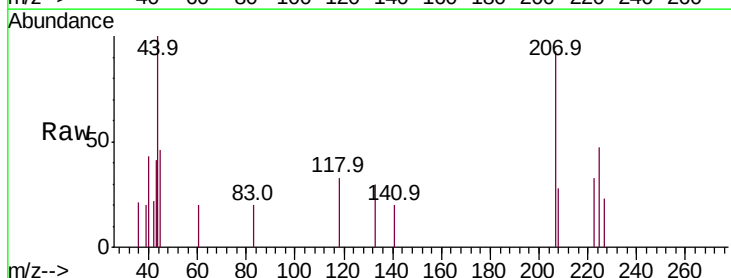
Tgt Ion:225 Resp: 394

Ion Ratio Lower Upper

225 100

223 57.9 31.8 95.4

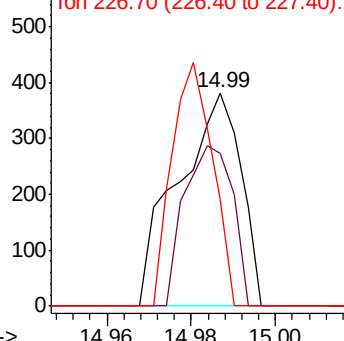
227 74.6 31.8 95.4



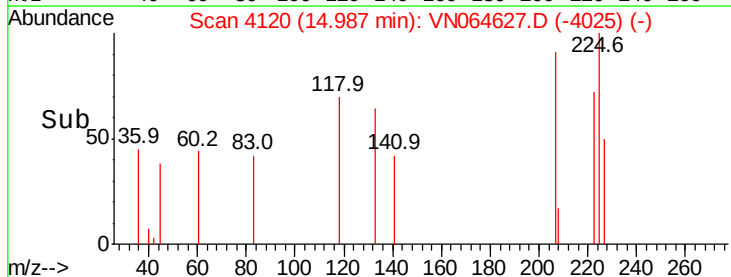
Abundance Ion 224.70 (224.40 to 225.40): V

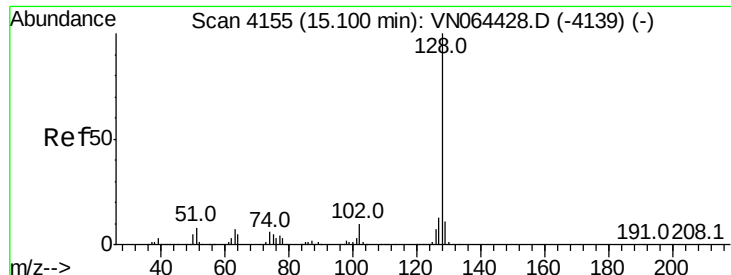
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 14.96 14.98 15.00





#95

Naphthalene

Concen: 3.831 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-598-600

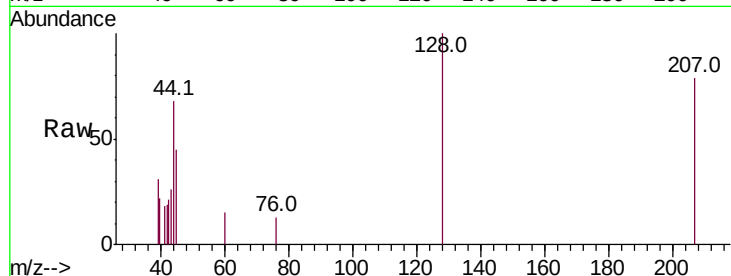
Tot Ion:128 Resp: 2017

Ion Ratio Lower Upper

128 100

127 3.7 10.5 15.7#

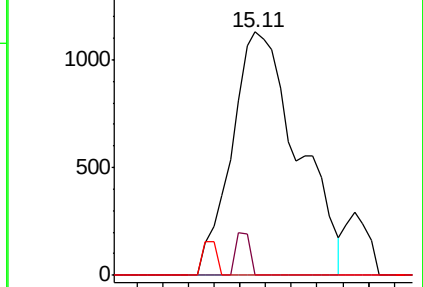
129 3.0 8.8 13.2#



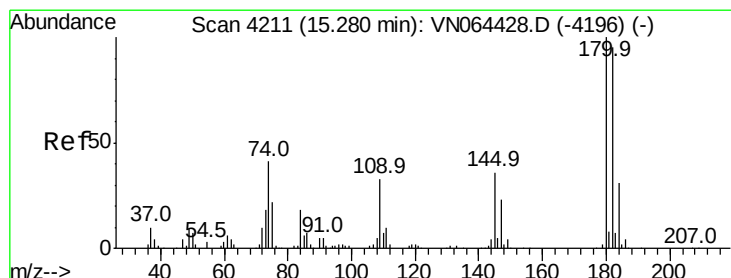
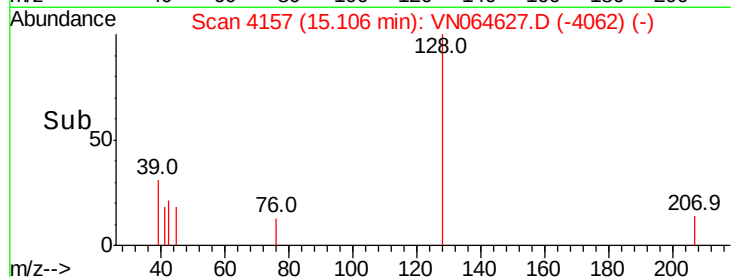
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.993 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064627.D

Acq: 13 Nov 2020 13:23

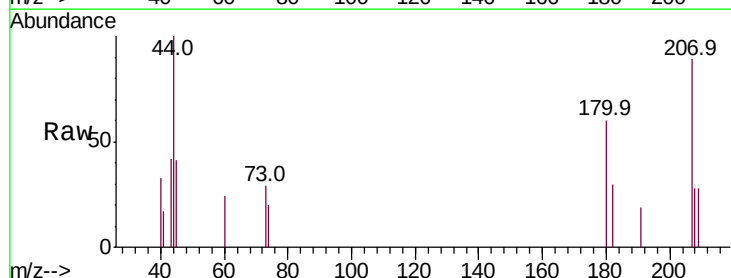
Tgt Ion:180 Resp: 587

Ion Ratio Lower Upper

180 100

182 84.8 47.7 143.1

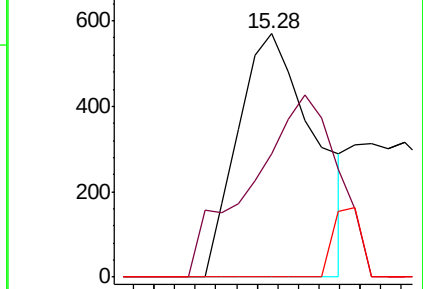
145 10.4 18.3 54.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

