

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064850.D
 Acq On : 25 Nov 2020 12:17
 Operator : JC/MD
 Sample : L4798-12DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BRP2-20201118DL

Quant Time: Nov 26 03:40:54 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	159039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	275793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	287008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97809	52.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.80%
35) Dibromofluoromethane	7.55	113	89579	54.28	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.56%
50) Toluene-d8	10.06	98	351572	52.14	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.28%
62) 4-Bromofluorobenzene	12.38	95	133758	55.43	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.86%

Target Compounds

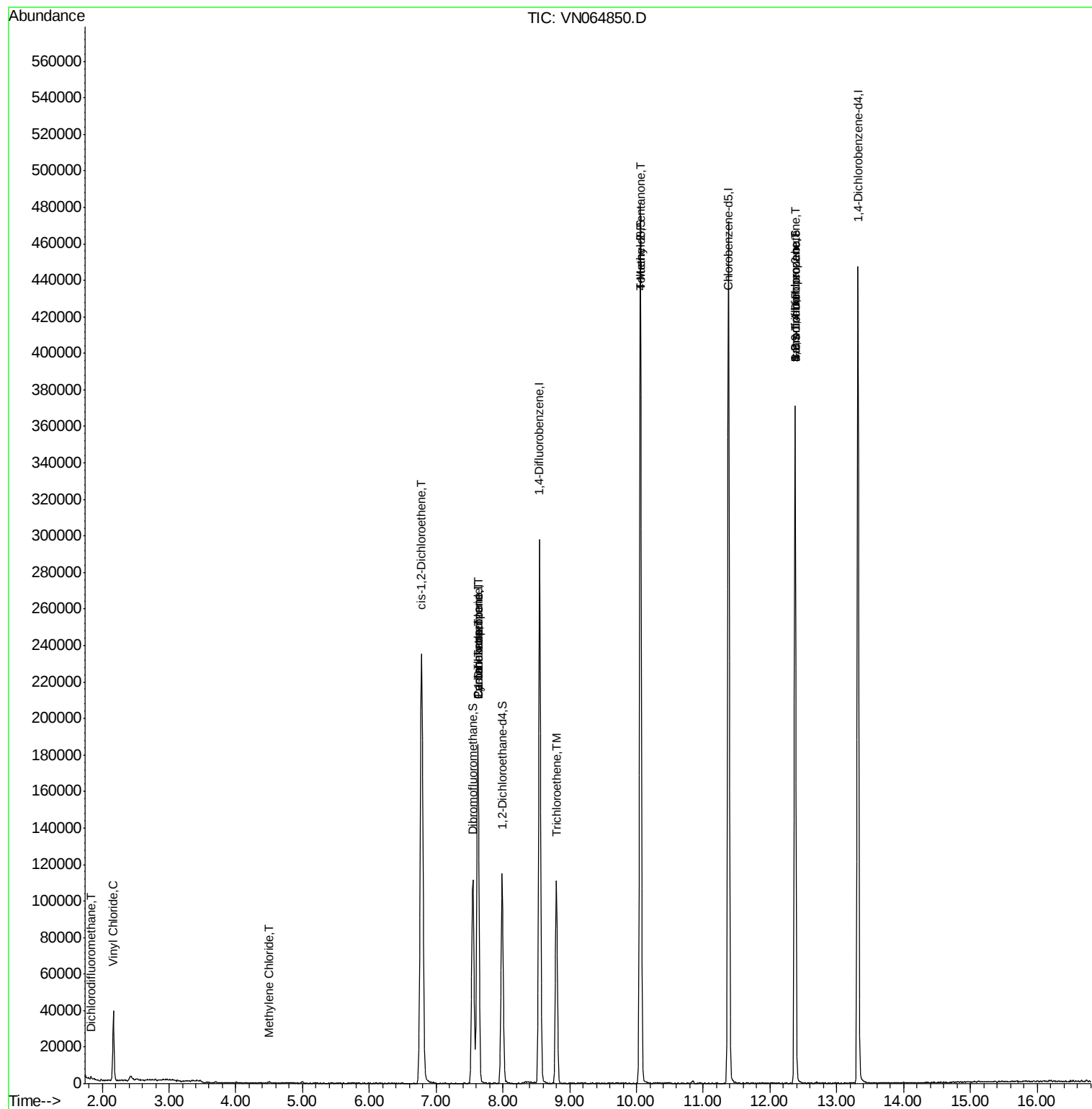
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	909	0.659	ug/l	94
4) Vinyl Chloride	2.17	62	34132	18.278	ug/l	94
20) Methylene Chloride	4.50	84	527	0.277	ug/l #	51
27) cis-1,2-Dichloroethene	6.78	96	161558	83.833	ug/l	89
31) Cyclohexane	7.63	56	3041	1.180	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	11233	4.394	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14370	5.403	ug/l #	17
44) Trichloroethene	8.80	130	42805	18.520	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	1486	0.625	ug/l #	1
71) Bromoform	12.37	173	467	0.258	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	62232	22.674	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62232	62.144	ug/l #	15

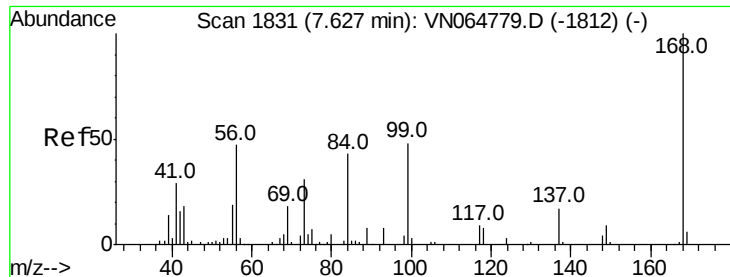
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

Instrument :

MSVOA_N

ClientSampleId :

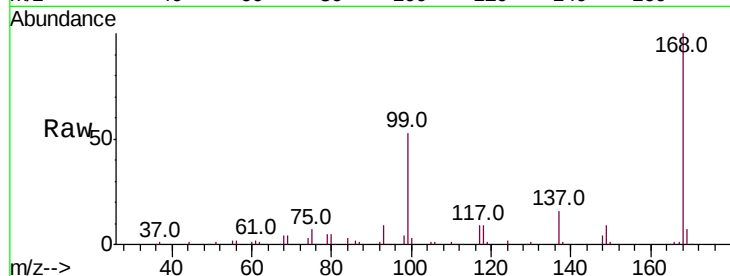
BRP2-20201118DL

Tot Ion:168 Resp: 159039

Ion Ratio Lower Upper

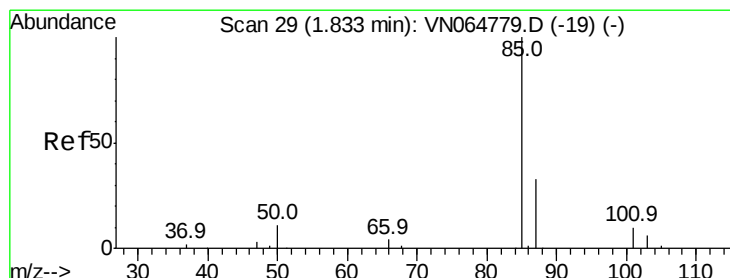
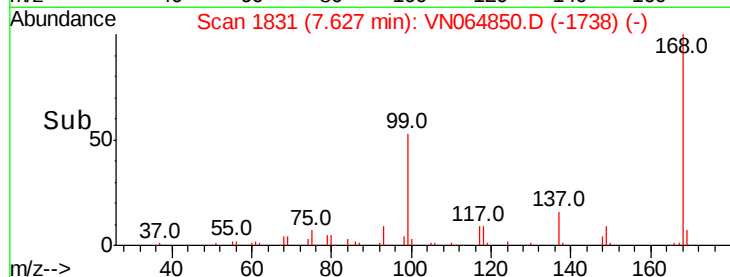
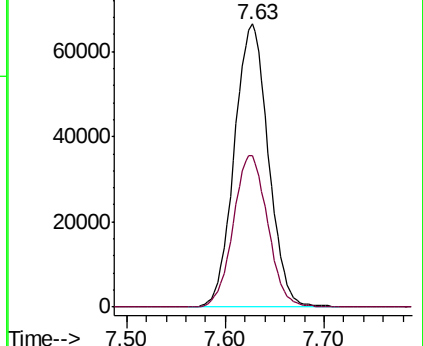
168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 0.659 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064850.D

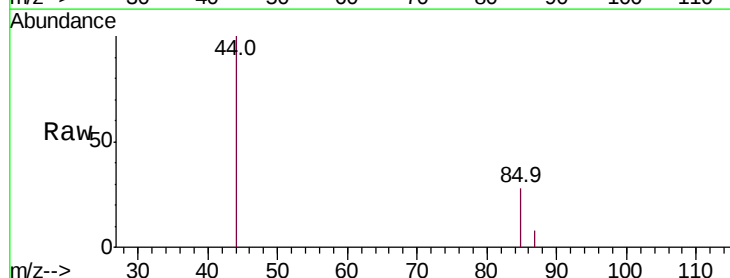
Acq: 25 Nov 2020 12:17

Tgt Ion: 85 Resp: 909

Ion Ratio Lower Upper

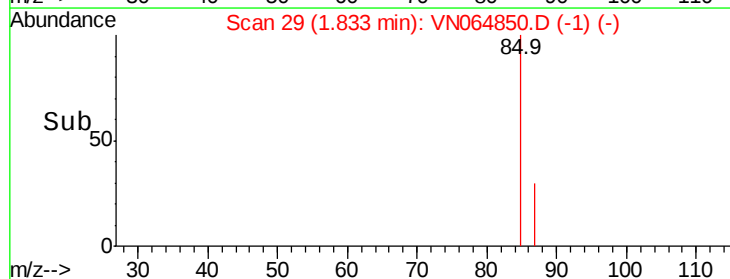
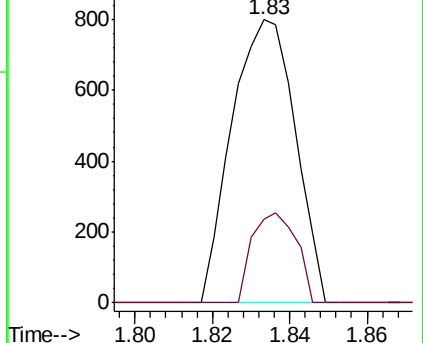
85 100

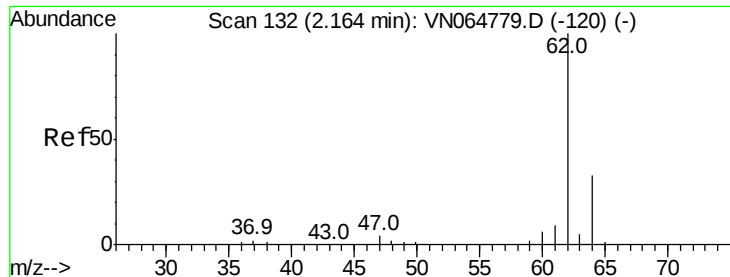
87 29.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#4

Vinyl Chloride

Concen: 18.278 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

Instrument :

MSVOA_N

ClientSampleId :

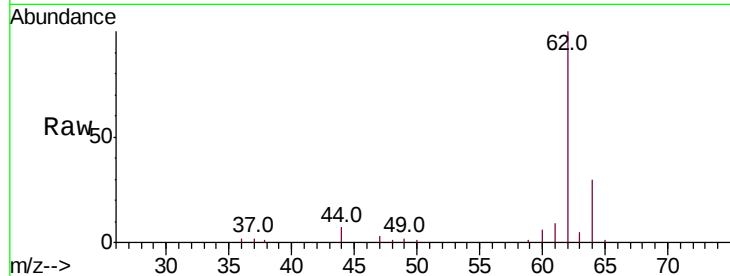
BRP2-20201118DL

Tot Ion: 62 Resp: 34132

Ion Ratio Lower Upper

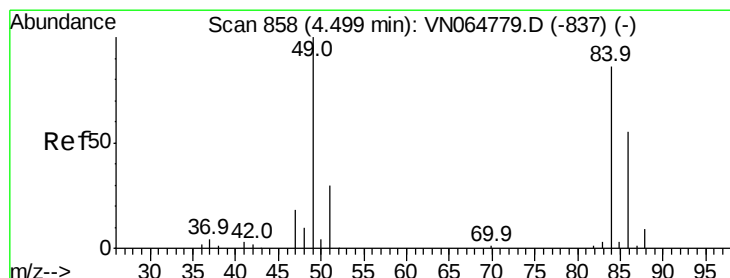
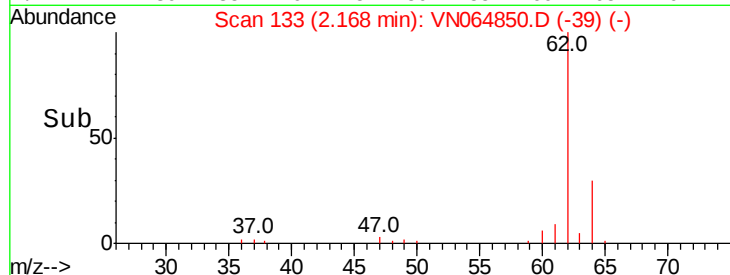
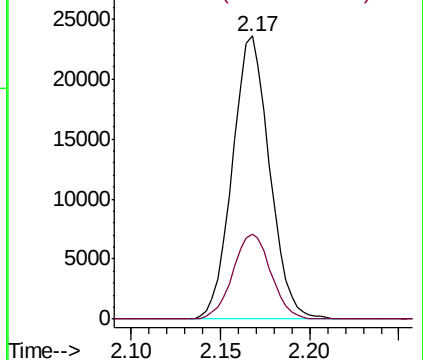
62 100

64 29.8 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#20

Methylene Chloride

Concen: 0.277 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

Tgt Ion: 84 Resp: 527

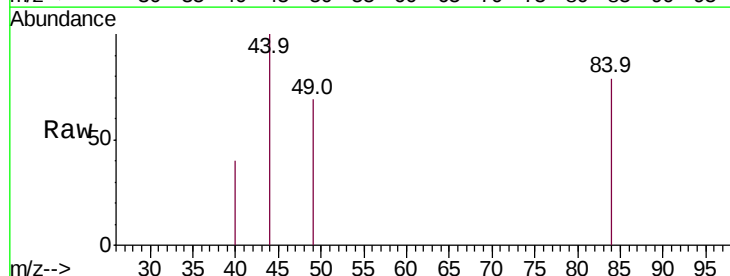
Ion Ratio Lower Upper

84 100

49 87.5 93.4 140.0#

51 0.0 28.2 42.4#

86 0.0 51.7 77.5#

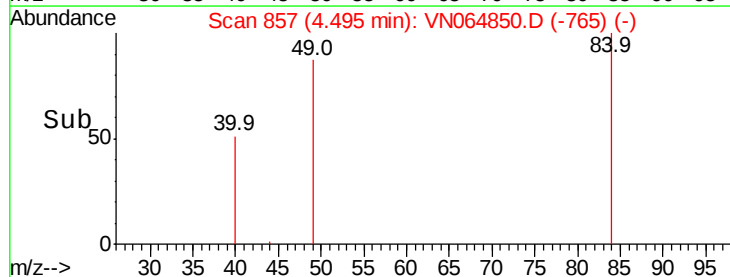
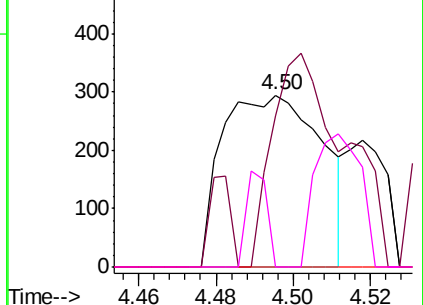


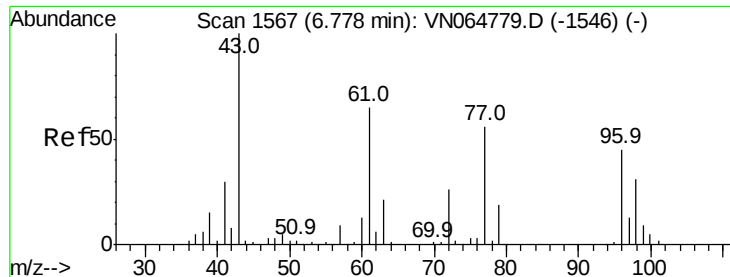
Abundance Ion 83.90 (83.60 to 84.60): VNC

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





#27

cis-1,2-Dichloroethene

Concen: 83.833 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20201118DL

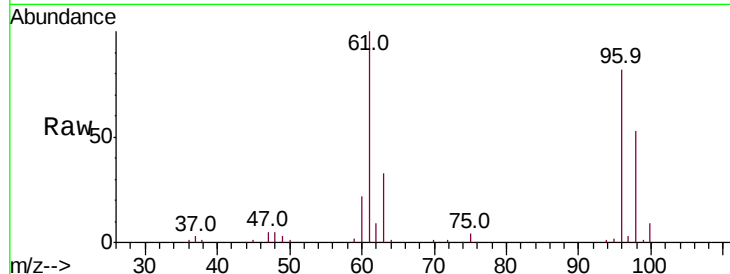
Tot Ion: 96 Resp: 161558

Ion Ratio Lower Upper

96 100

61 123.8 0.0 285.8

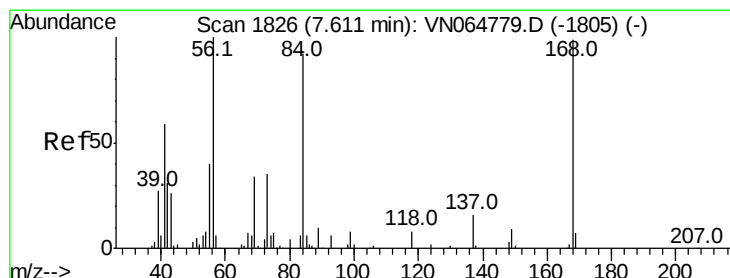
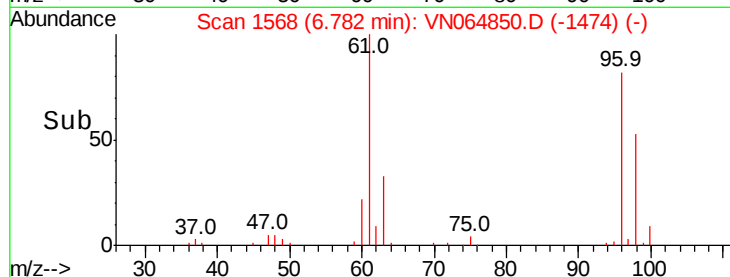
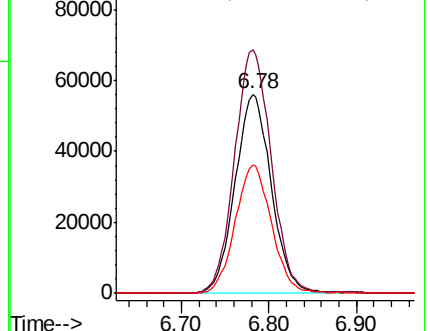
98 64.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064779.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1546) (-)



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

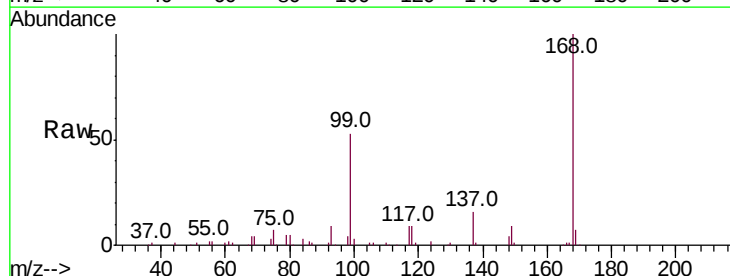
Tgt Ion: 56 Resp: 3041

Ion Ratio Lower Upper

56 100

69 168.5 27.5 41.3#

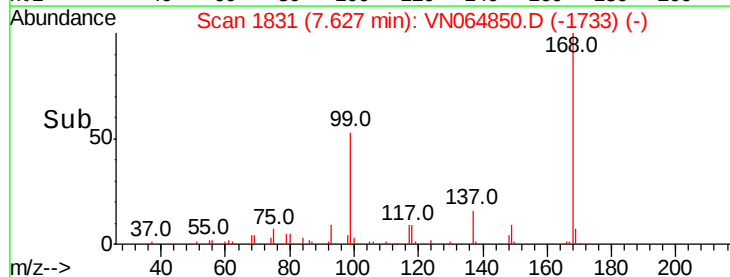
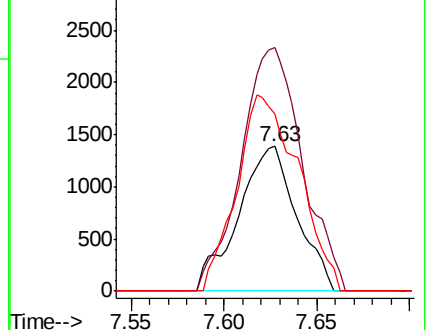
84 122.8 73.9 110.9#

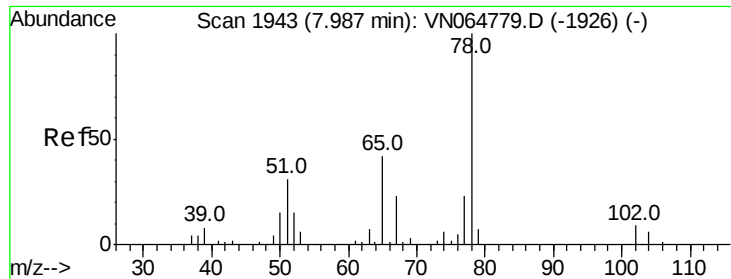


Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064779.D (-1805) (-)

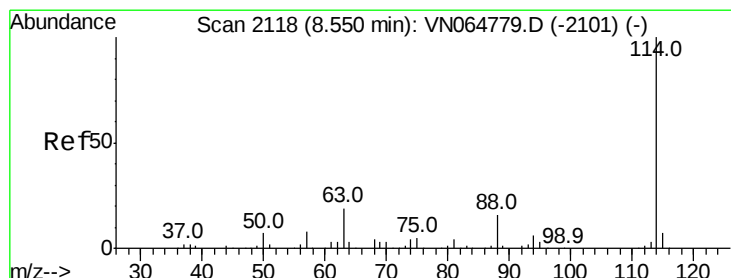
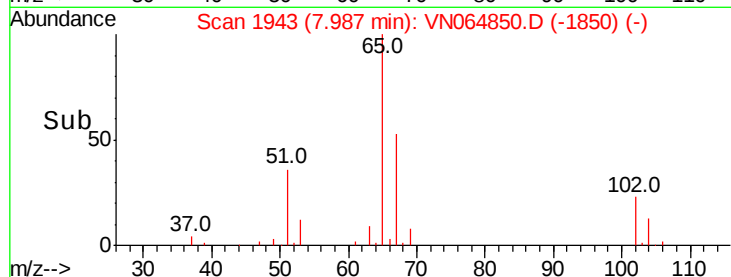
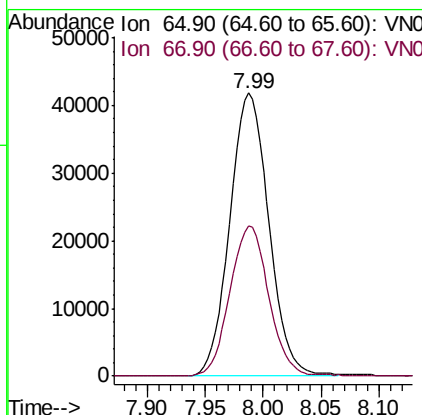
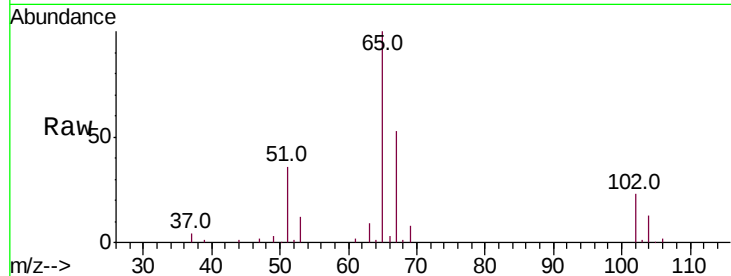




#33
 1,2-Dichloroethane-d4
 Concen: 52.900 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064850.D
 Acq: 25 Nov 2020 12:17

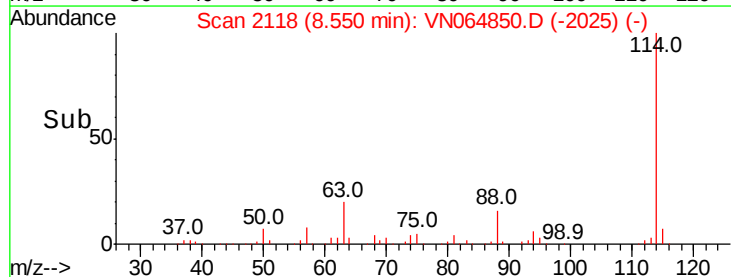
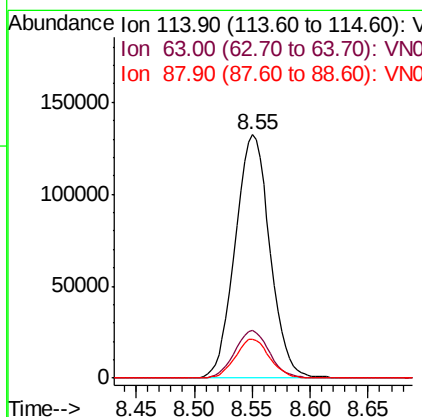
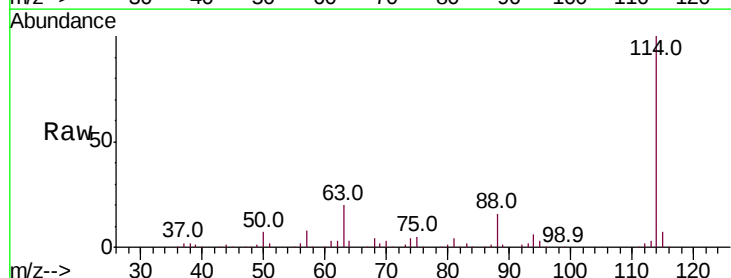
Instrument :
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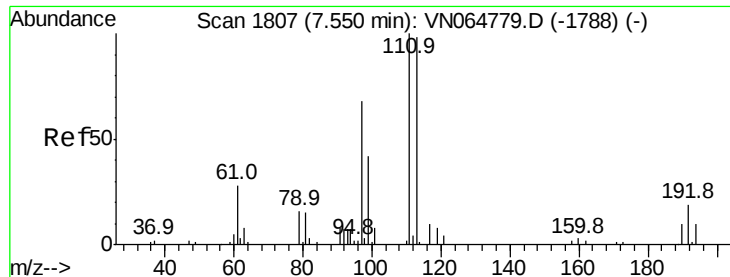
Tot Ion: 65 Resp: 97809
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064850.D
 Acq: 25 Nov 2020 12:17

Tgt Ion: 114 Resp: 275793
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 16.1 0.0 32.6

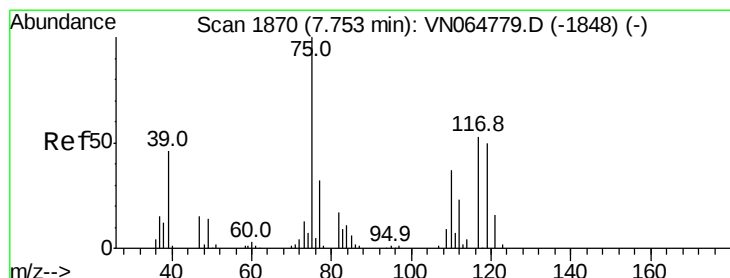
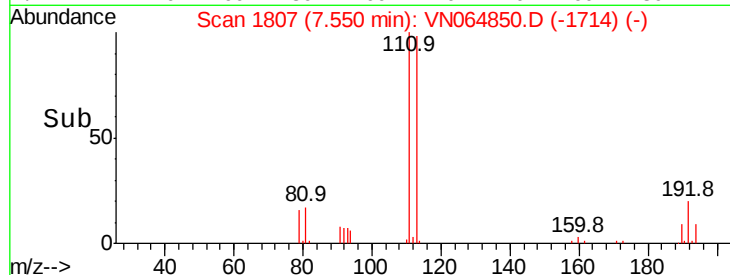
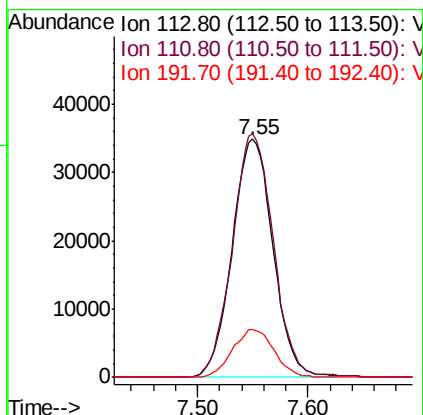
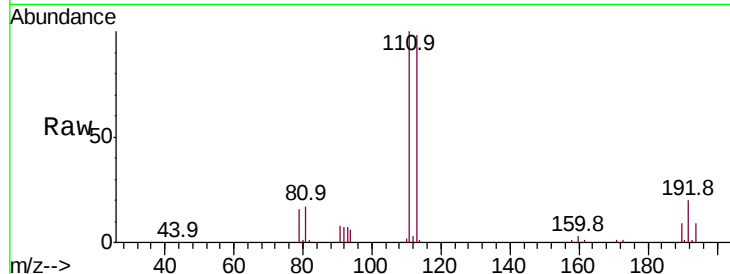




#35
 Dibromofluoromethane
 Concen: 54.282 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064850.D
 Acq: 25 Nov 2020 12:17

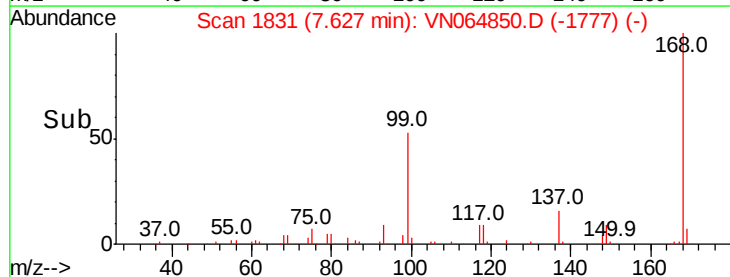
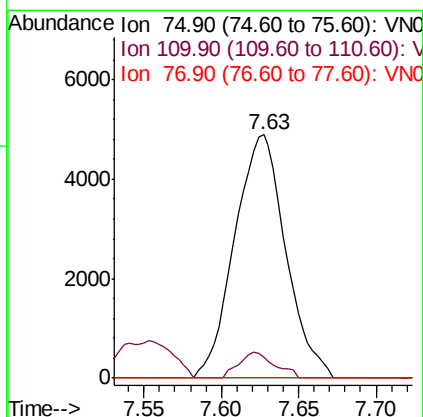
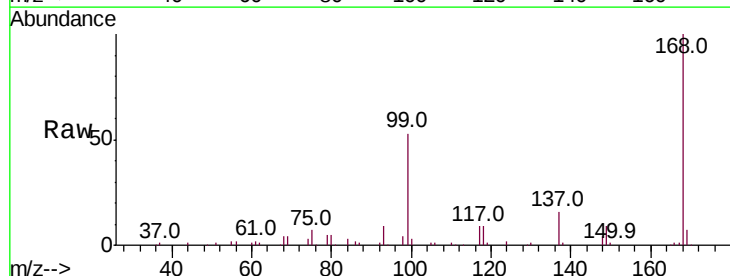
Instrument :
 MSVOA_N
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 BRP2-20201118DL

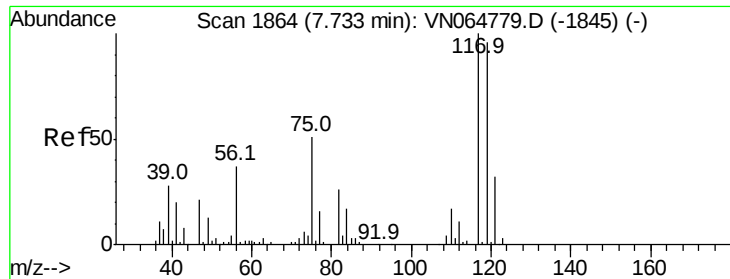
Tot Ion:113 Resp: 89579
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.394 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064850.D
 Acq: 25 Nov 2020 12:17

Tgt Ion: 75 Resp: 11233
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.8 53.3#
 77 0.0 25.0 37.4#

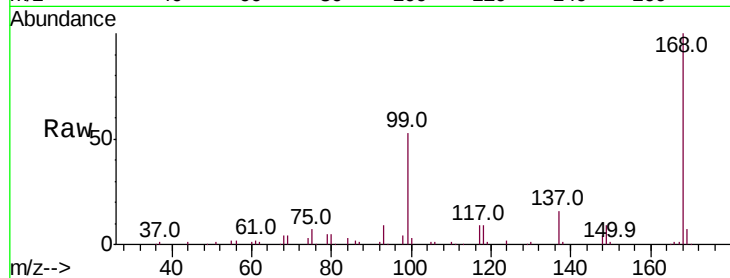




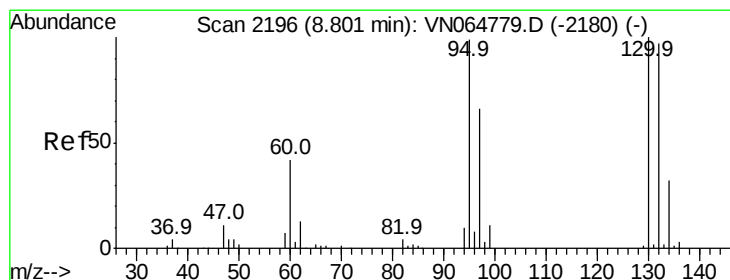
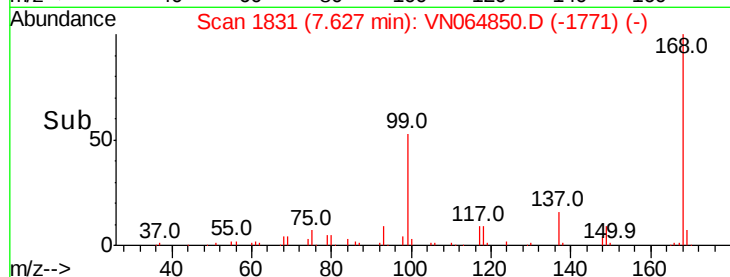
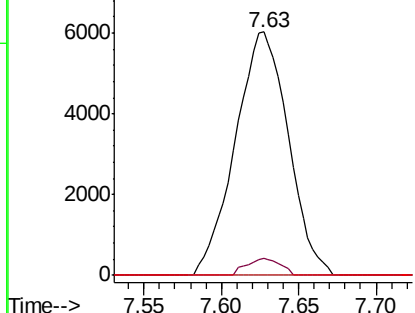
#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064850.D
Acq: 25 Nov 2020 12:17

Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118DL

Tot Ion:117 Resp: 14370
Ion Ratio Lower Upper
117 100
119 6.9 76.7 115.1#
121 0.0 25.4 38.2#

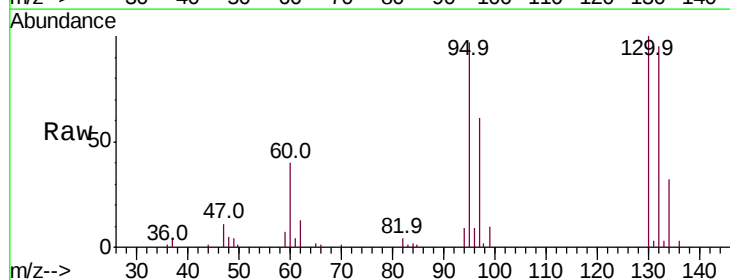


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

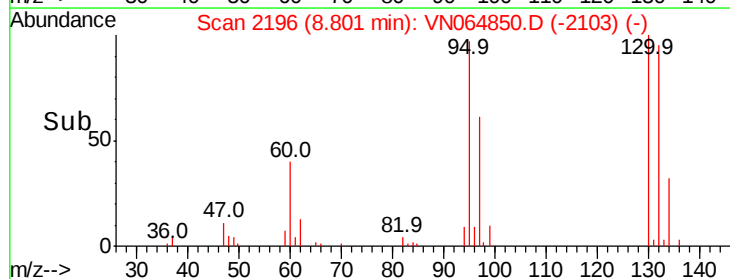
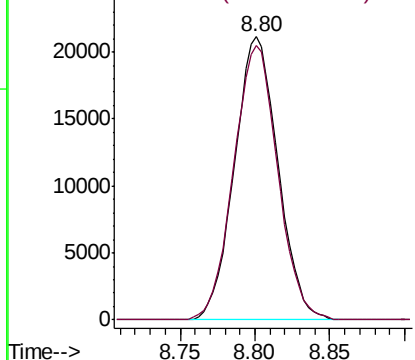


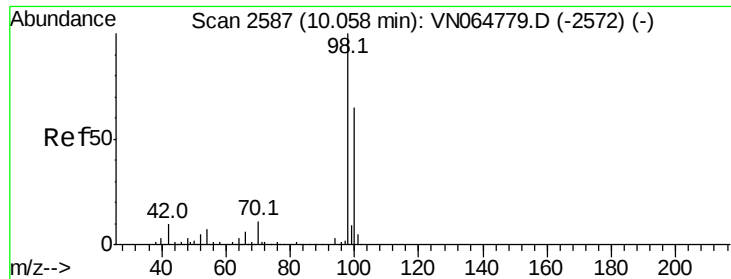
#44
Trichloroethene
Concen: 18.520 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064850.D
Acq: 25 Nov 2020 12:17

Tgt Ion:130 Resp: 42805
Ion Ratio Lower Upper
130 100
95 97.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.140 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

Instrument :

MSVOA_N

ClientSampleId :

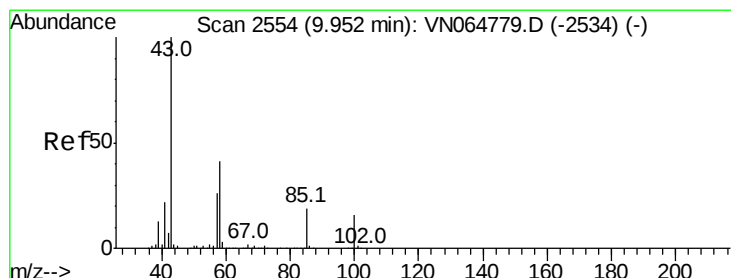
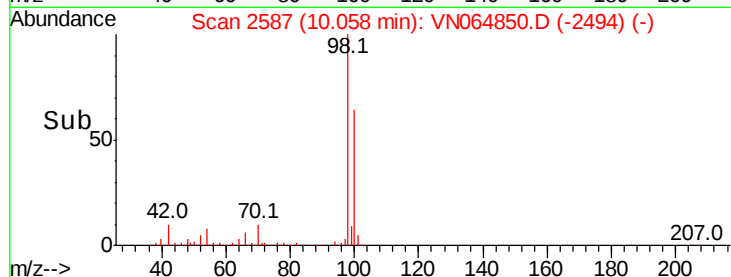
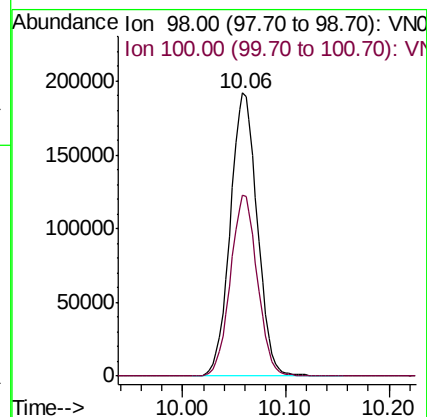
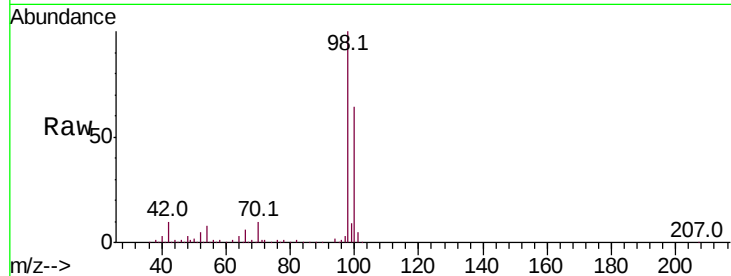
BRP2-20201118DL

Tot Ion: 98 Resp: 351572

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.625 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064850.D

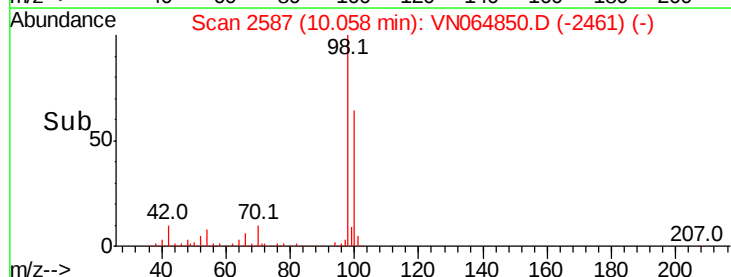
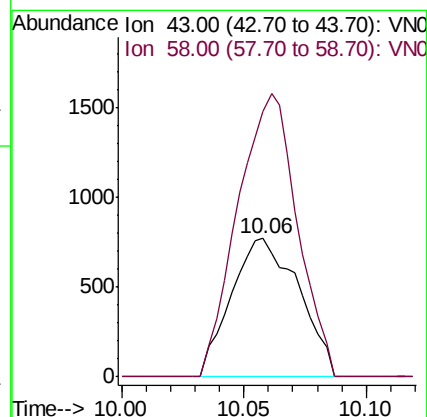
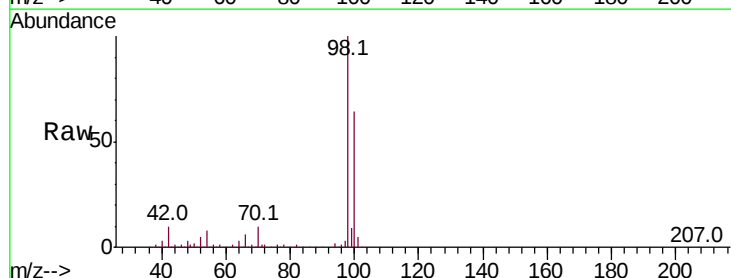
Acq: 25 Nov 2020 12:17

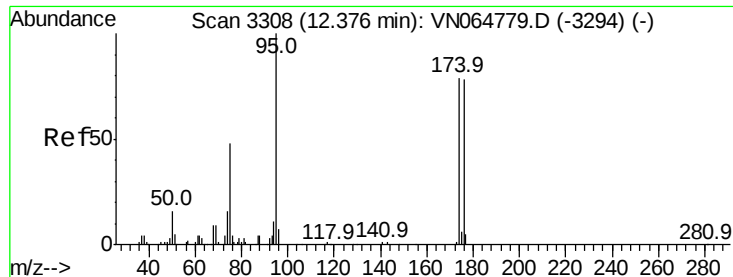
Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

58 180.1 32.4 48.6#

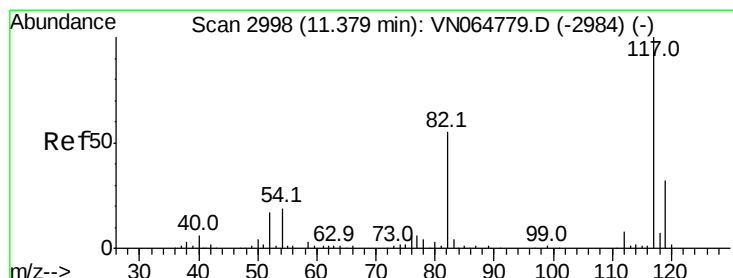
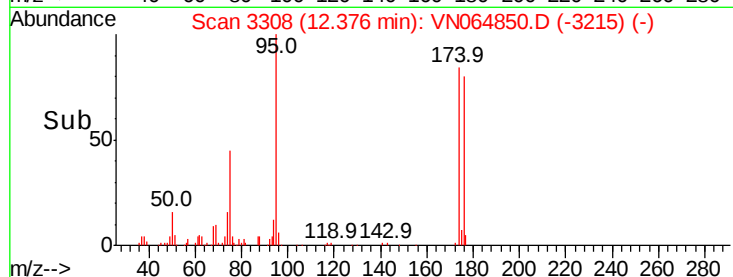
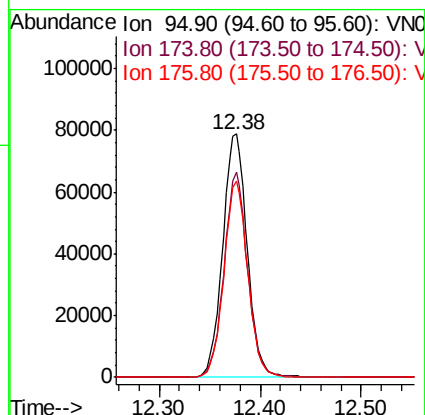
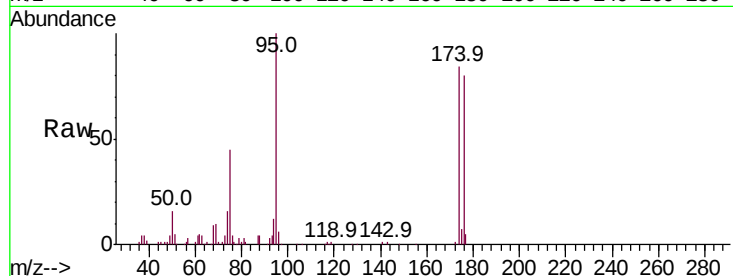




#62
4-Bromofluorobenzene
Concen: 55.429 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064850.D
Acq: 25 Nov 2020 12:17

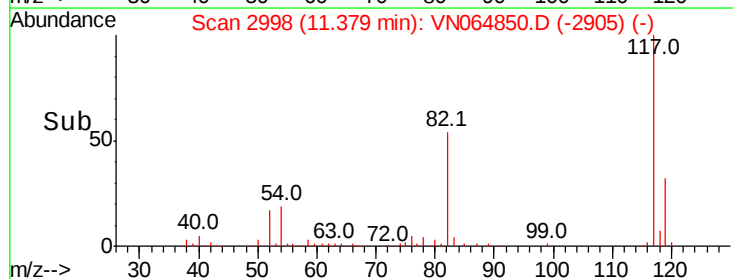
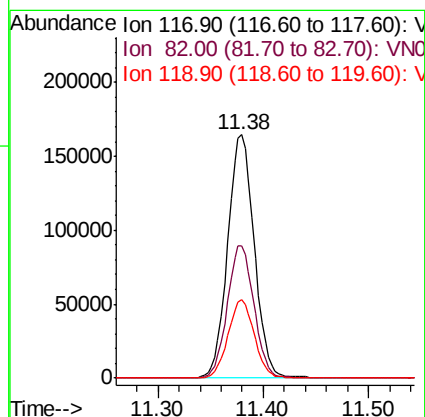
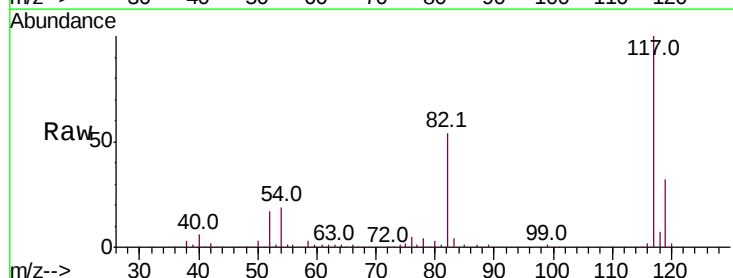
Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118DL

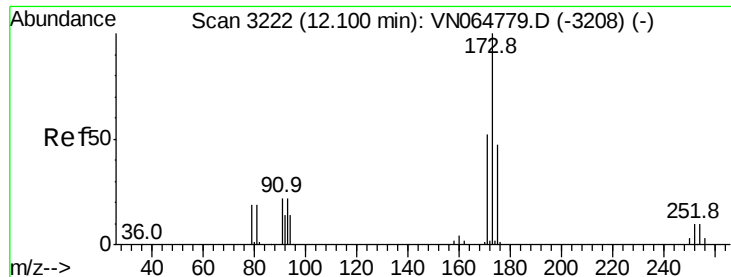
Tot Ion: 95 Resp: 133758
Ion Ratio Lower Upper
95 100
174 81.0 0.0 160.4
176 78.4 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064850.D
Acq: 25 Nov 2020 12:17

Tgt Ion: 117 Resp: 287008
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.1 25.8 38.6

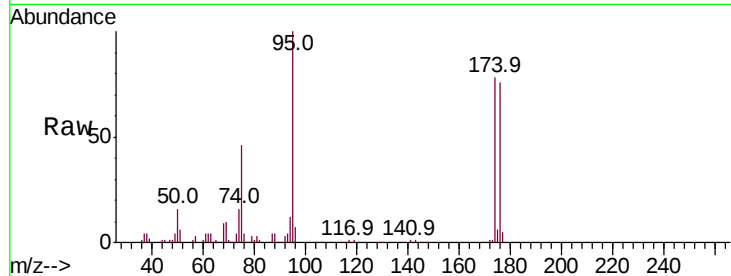




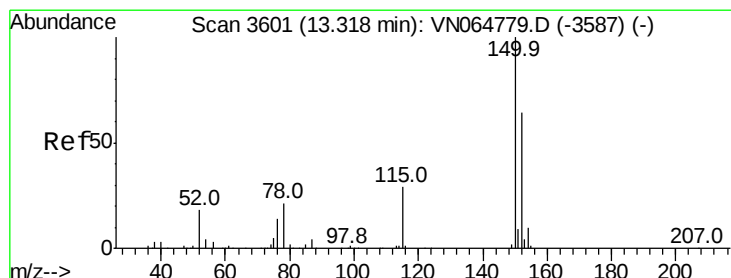
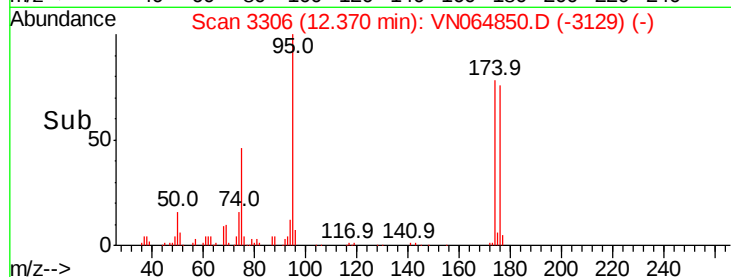
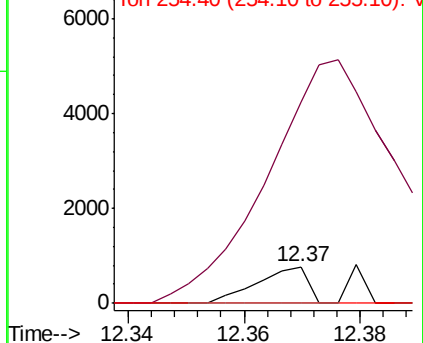
#71
Bromoform
Concen: 0.258 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064850.D
Acq: 25 Nov 2020 12:17

Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118DL

Tot Ion:173 Resp: 467
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0

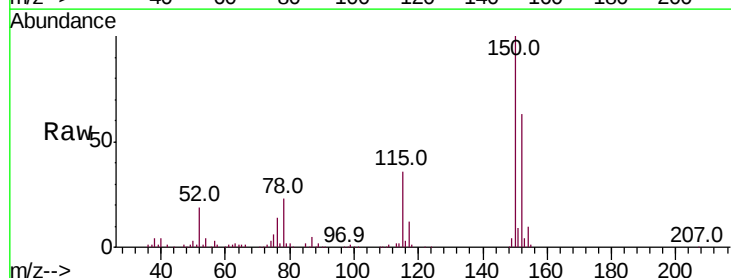


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

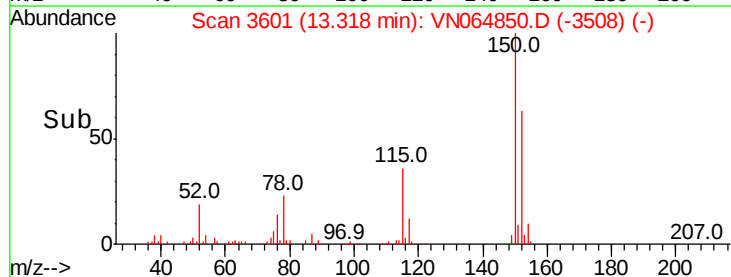
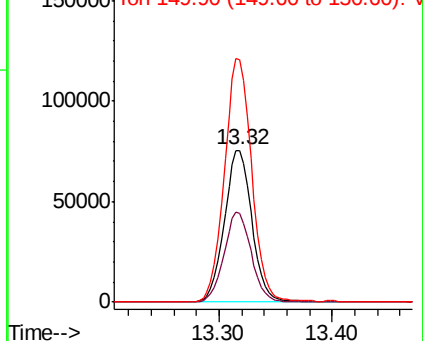


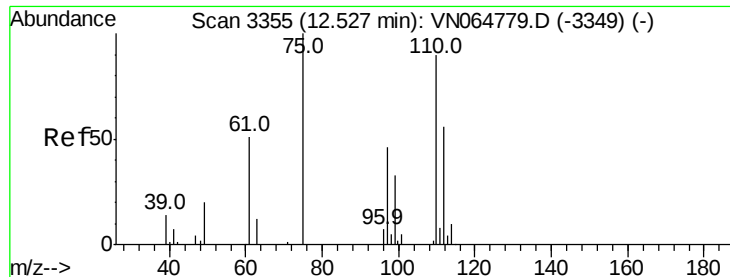
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064850.D
Acq: 25 Nov 2020 12:17

Tgt Ion:152 Resp: 127445
Ion Ratio Lower Upper
152 100
115 58.7 29.7 89.1
150 159.5 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: 22.674 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

Instrument :

MSVOA_N

ClientSampleId :

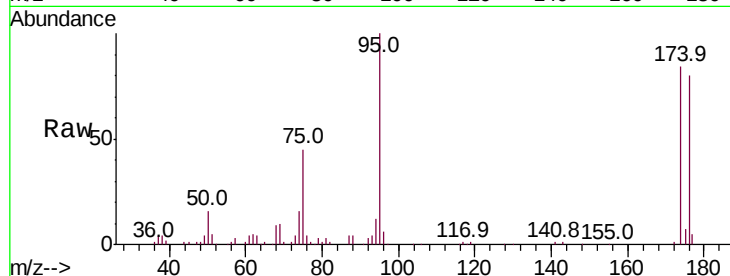
BRP2-20201118DL

Tot Ion: 75 Resp: 62232

Ion Ratio Lower Upper

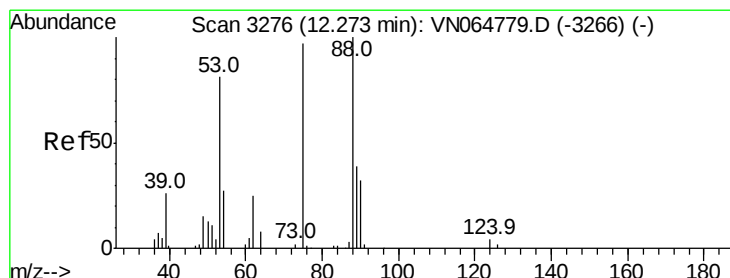
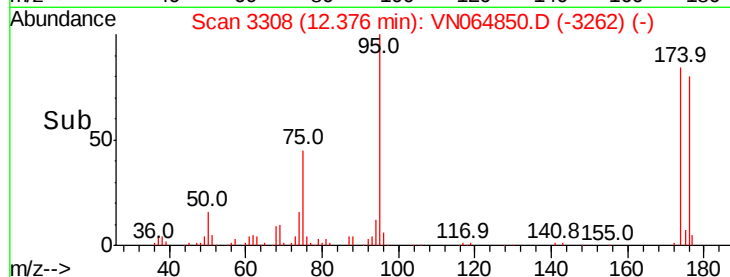
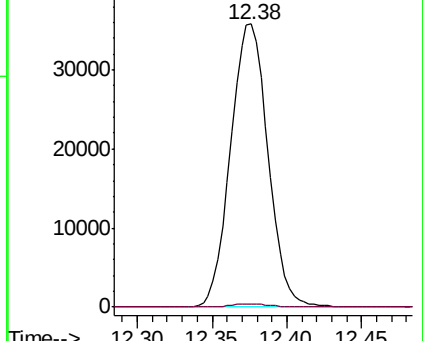
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064850.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064850.D (-3262) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 62.144 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064850.D

Acq: 25 Nov 2020 12:17

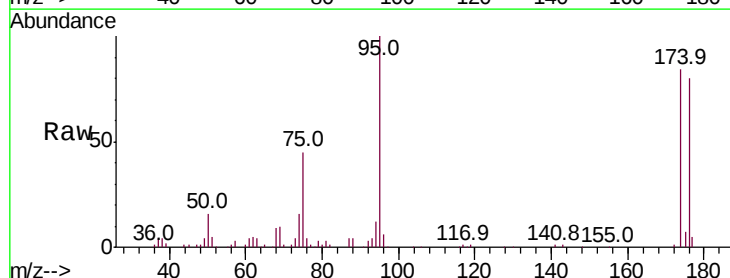
Tgt Ion: 75 Resp: 62232

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): VN064850.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064850.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064850.D (-3183) (-)

