

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064851.D
 Acq On : 25 Nov 2020 12:41
 Operator : JC/MD
 Sample : L4798-13DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20201118DL

Quant Time: Nov 26 03:41:01 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	162008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	284046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	290047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	99750	52.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.92%
35) Dibromofluoromethane	7.55	113	91199	53.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.32%
50) Toluene-d8	10.06	98	349796	50.37	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.74%
62) 4-Bromofluorobenzene	12.38	95	133588	53.75	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.50%

Target Compounds

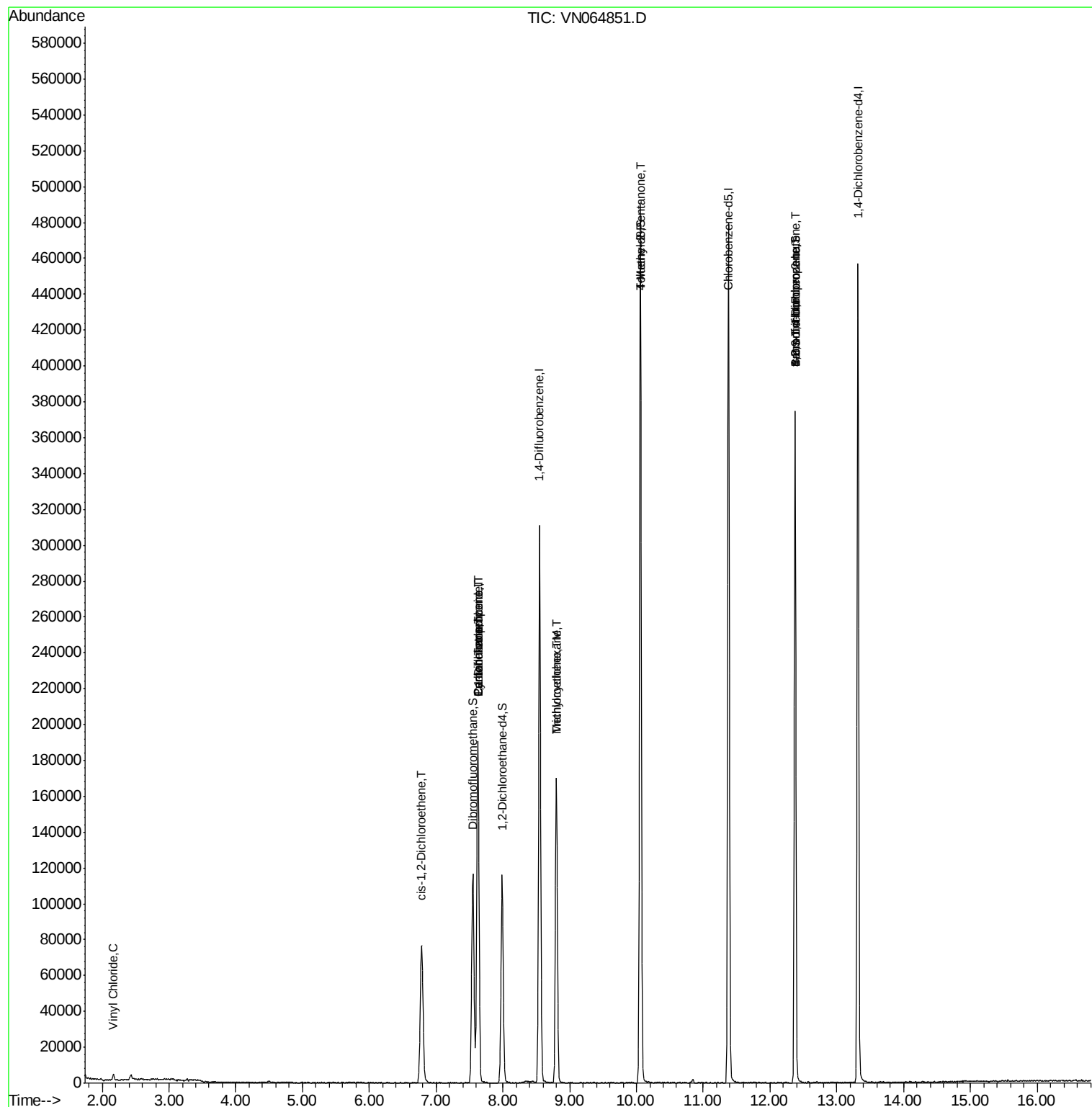
					Qvalue	
4) Vinyl Chloride	2.17	62	3272	1.720	ug/l	90
27) cis-1,2-Dichloroethene	6.78	96	52471	26.729	ug/l	87
31) Cyclohexane	7.62	56	2663	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11079	4.208	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15341	5.600	ug/l #	16
39) Methylcyclohexane	8.80	83	945	0.333	ug/l #	1
44) Trichloroethene	8.80	130	67382	28.306	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	1472	0.601	ug/l #	1
71) Bromoform	12.37	173	499	0.273	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	64306	23.196	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64306	63.575	ug/l #	15

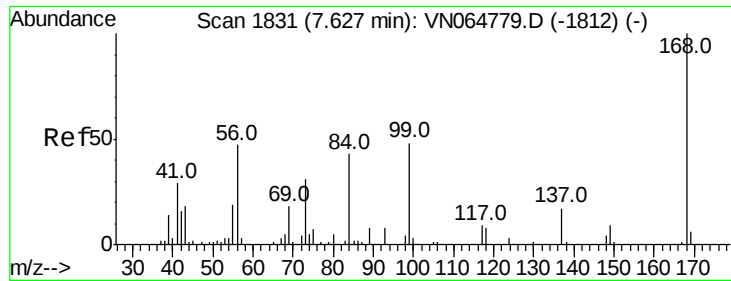
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112520\
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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

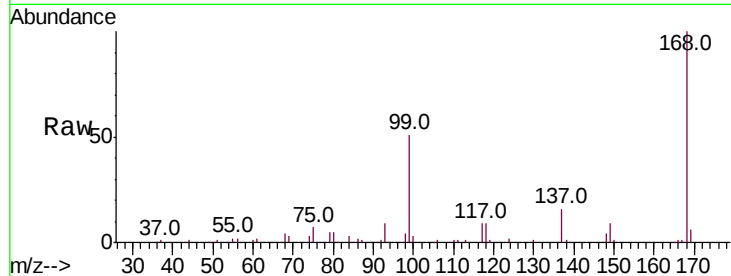
DUP01-20201118DL

Tot Ion:168 Resp: 162008

Ion Ratio Lower Upper

168 100

99 51.3 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

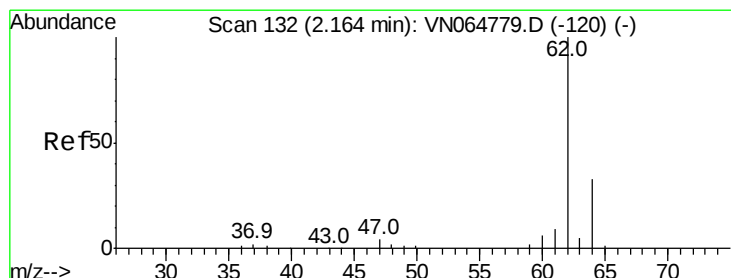
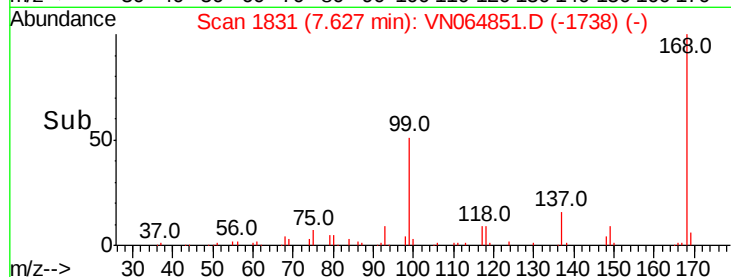
0

Time-->

7.50

7.60

7.70



#4

Vinyl Chloride

Concen: 1.720 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064851.D

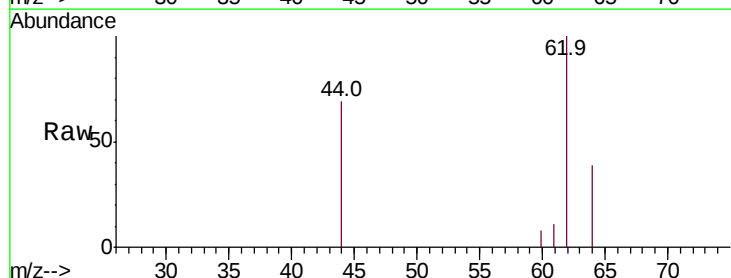
Acq: 25 Nov 2020 12:41

Tgt Ion: 62 Resp: 3272

Ion Ratio Lower Upper

62 100

64 38.7 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

2500

2000

1500

1000

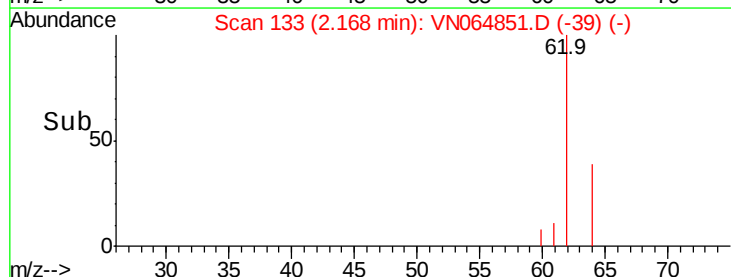
500

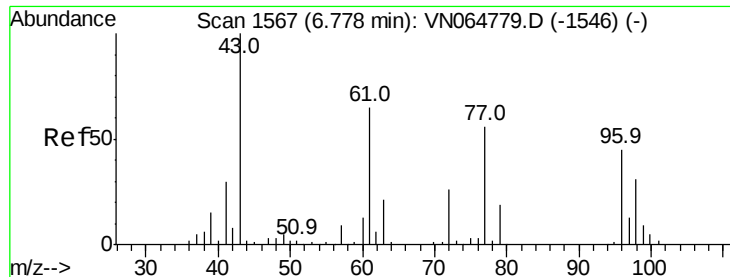
0

Time-->

2.15

2.20





#27

cis-1,2-Dichloroethene

Concen: 26.729 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

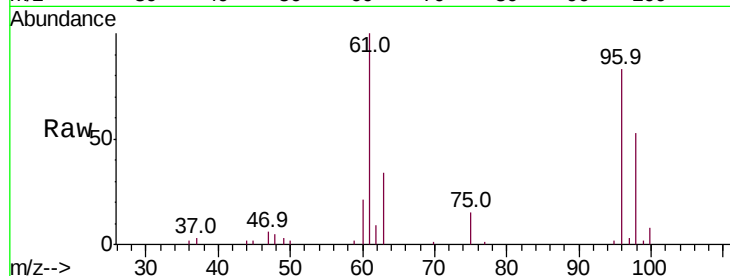
Tot Ion: 96 Resp: 52471

Ion Ratio Lower Upper

96 100

61 121.0 0.0 285.8

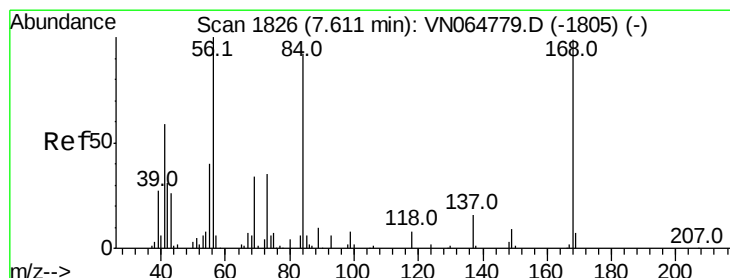
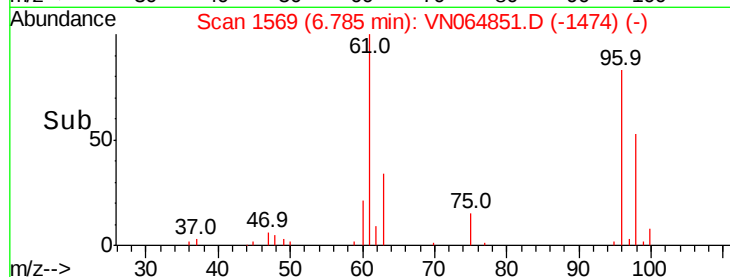
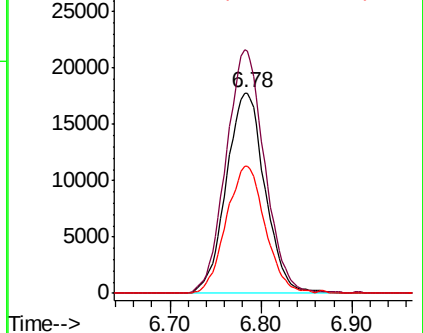
98 64.0 0.0 130.6



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: 1.014 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

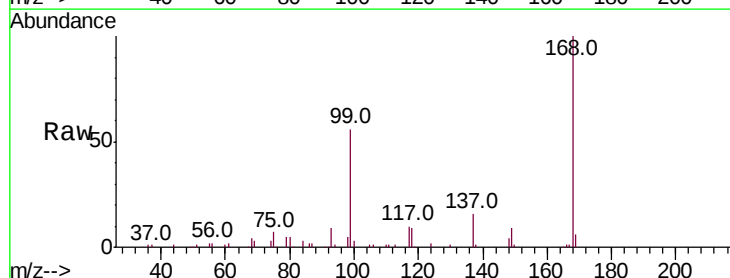
Tgt Ion: 56 Resp: 2663

Ion Ratio Lower Upper

56 100

69 154.5 27.5 41.3#

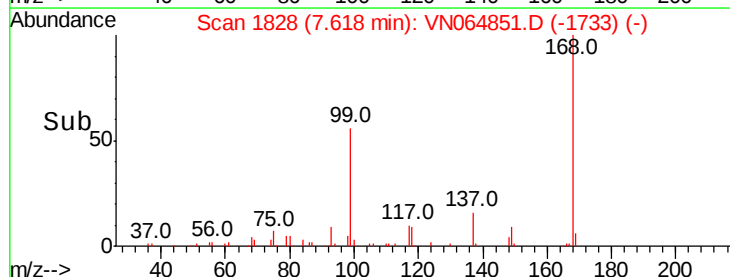
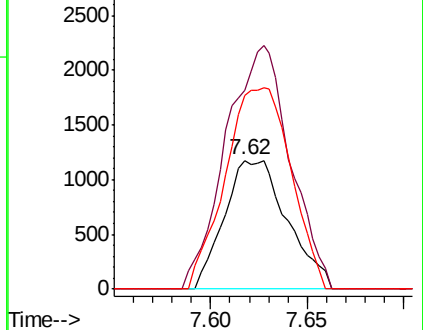
84 150.7 73.9 110.9#

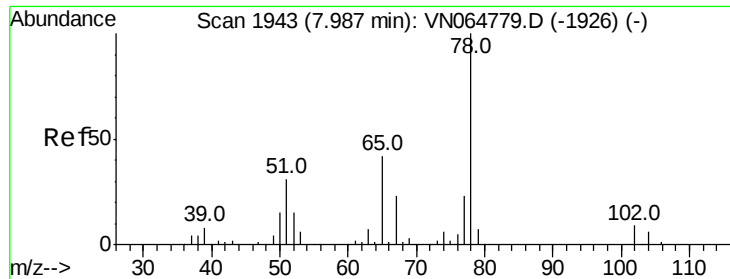


Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-1805) (-)

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

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

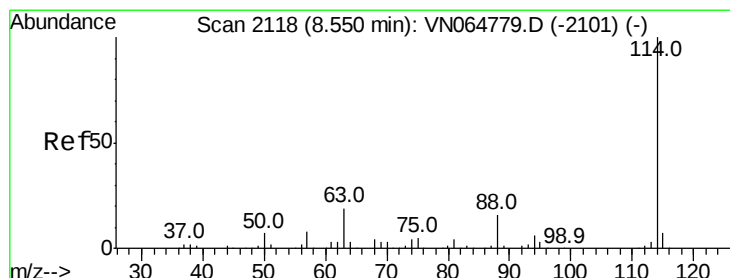
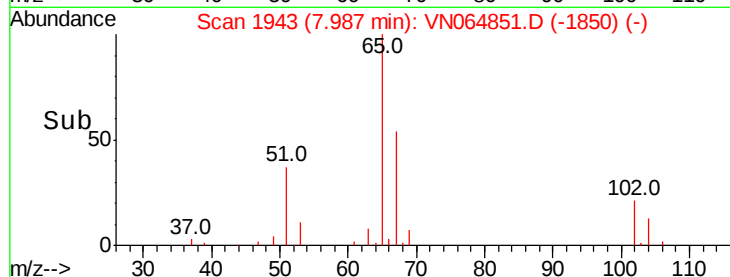
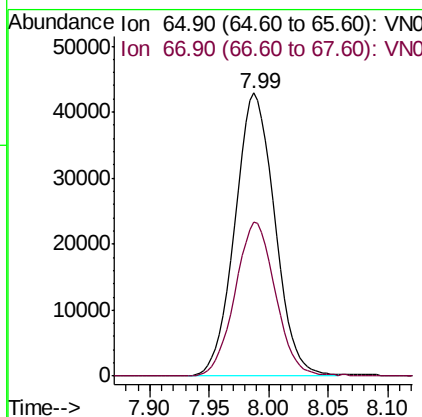
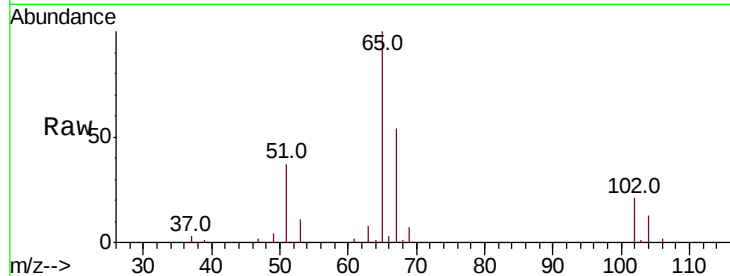




#33
 1,2-Dichloroethane-d4
 Concen: 52.961 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064851.D
 Acq: 25 Nov 2020 12:41

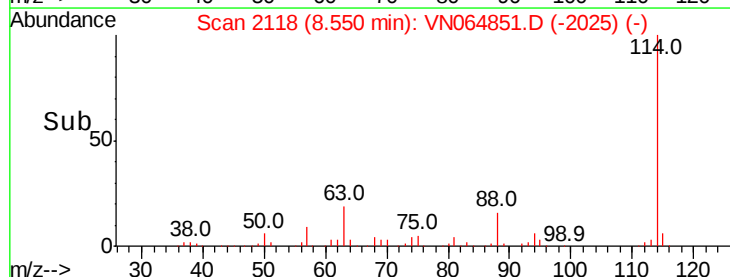
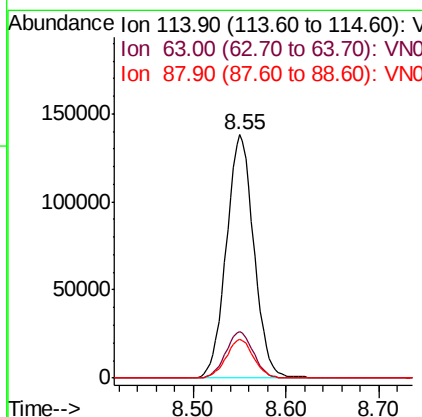
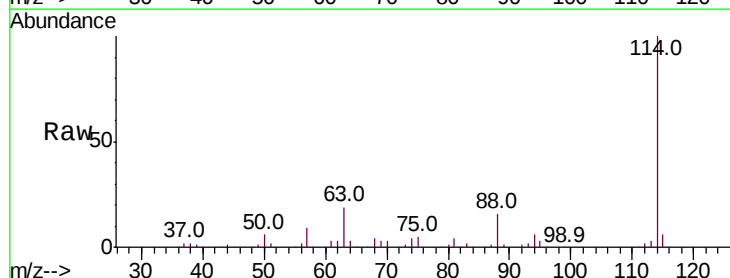
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20201118DL

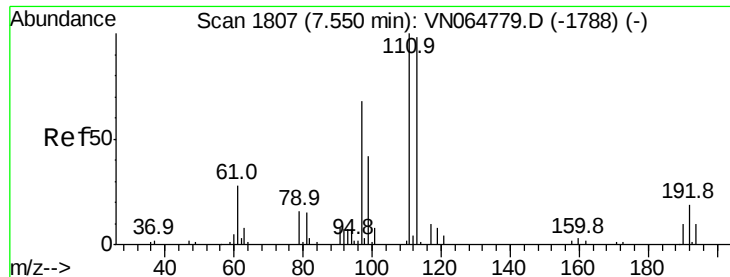
Tot Ion: 65 Resp: 99750
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064851.D
 Acq: 25 Nov 2020 12:41

Tgt Ion: 114 Resp: 284046
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.8 0.0 32.6

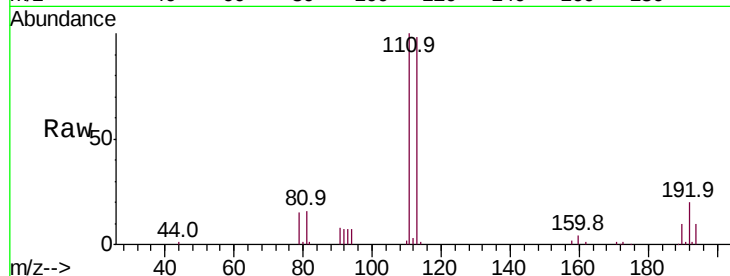




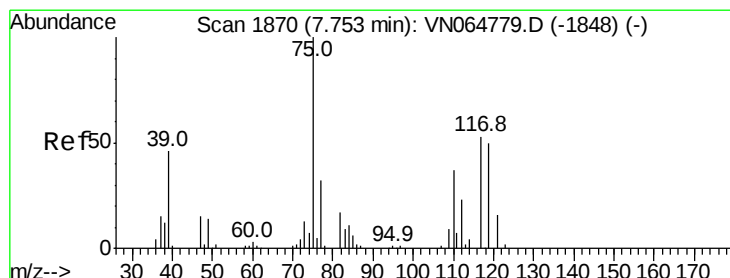
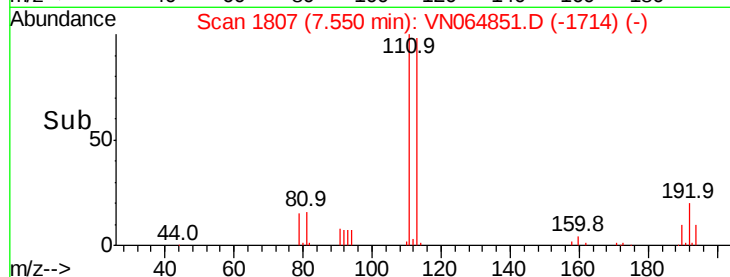
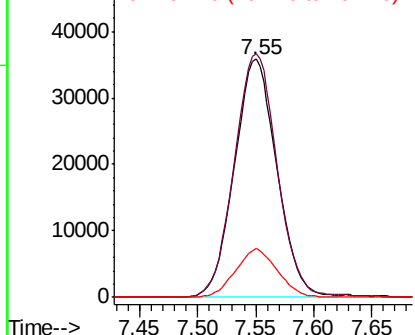
#35
 Dibromofluoromethane
 Concen: 53.658 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064851.D
 Acq: 25 Nov 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20201118DL

Tot Ion:113 Resp: 91199
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.6 122.4
 192 20.0 16.2 24.2

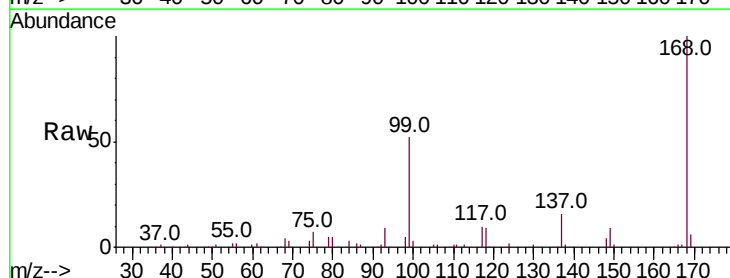


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

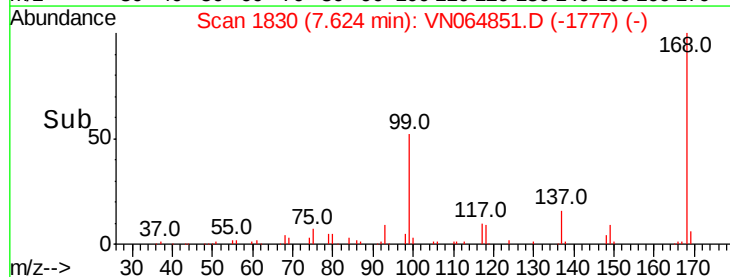
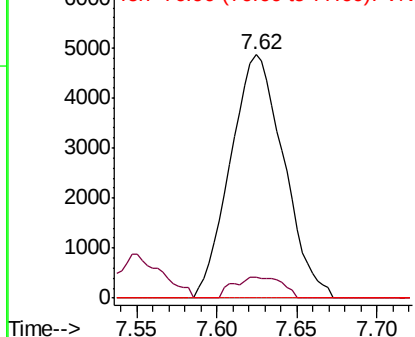


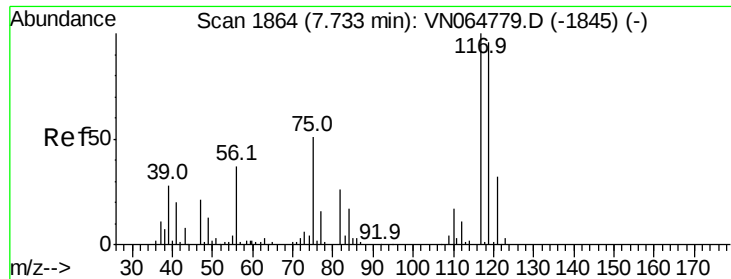
#36
 1,1-Dichloropropene
 Concen: 4.208 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064851.D
 Acq: 25 Nov 2020 12:41

Tgt Ion: 75 Resp: 11079
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.8 53.3#
 77 0.0 25.0 37.4#



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: 5.600 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

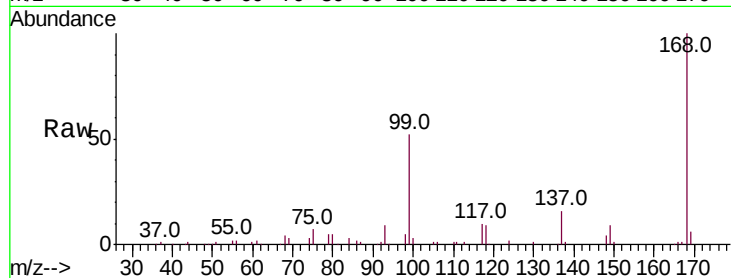
Tot Ion:117 Resp: 15341

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

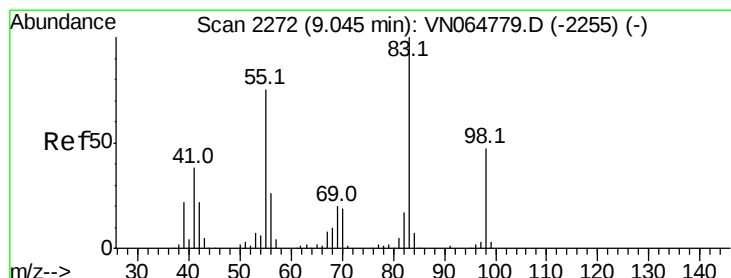
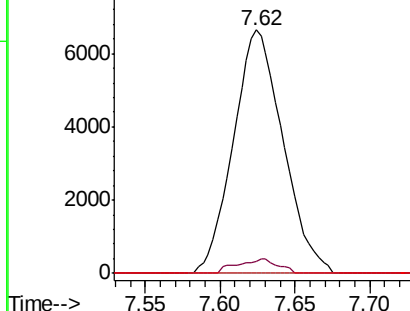
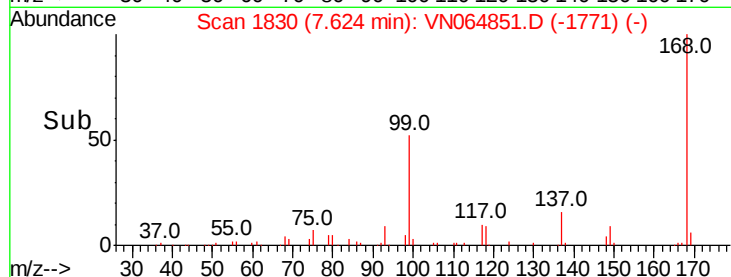
121 0.0 25.4 38.2#



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



#39

Methylcyclohexane

Concen: 0.333 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

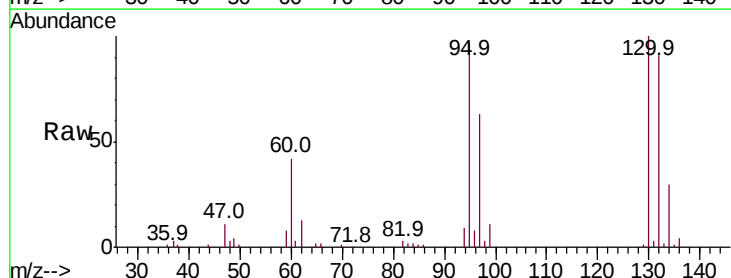
Tgt Ion: 83 Resp: 945

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

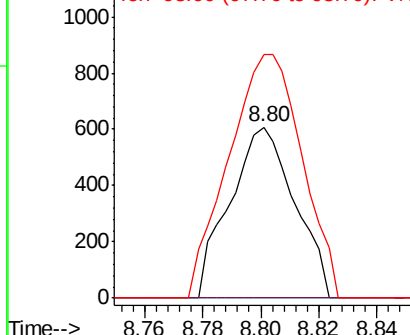
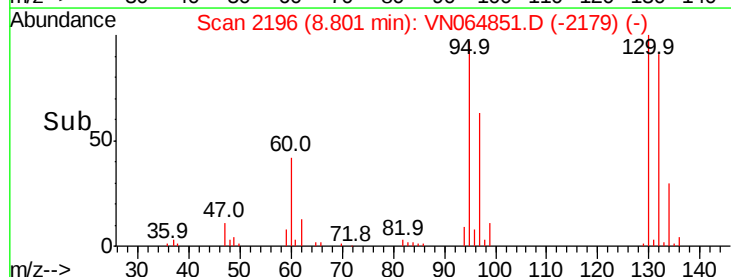
98 142.5 37.4 56.2#

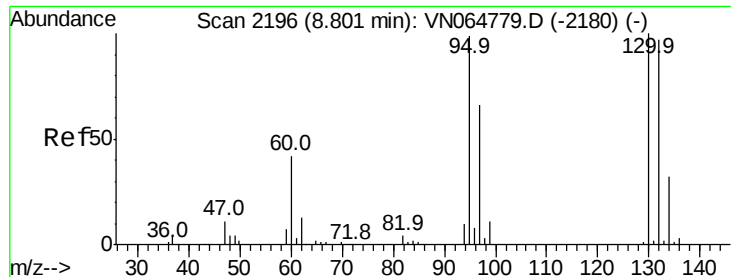


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 28.306 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

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ClientSampleId :

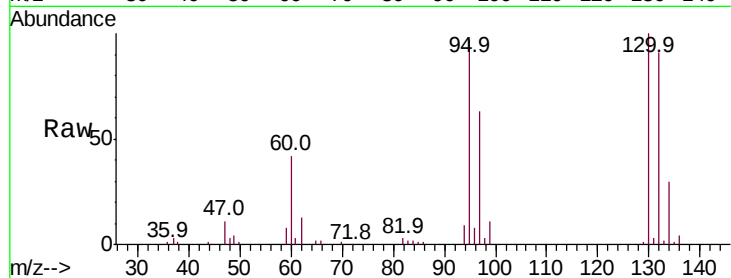
DUP01-20201118DL

Tot Ion:130 Resp: 67382

Ion Ratio Lower Upper

130 100

95 96.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)

8.80

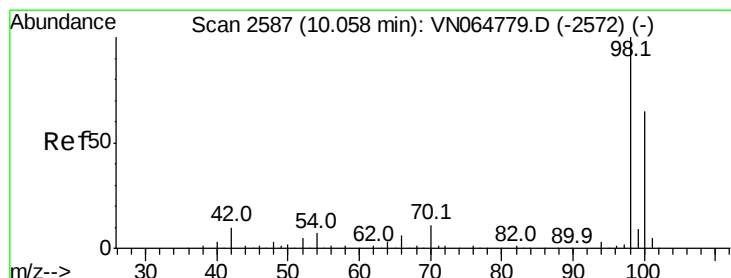
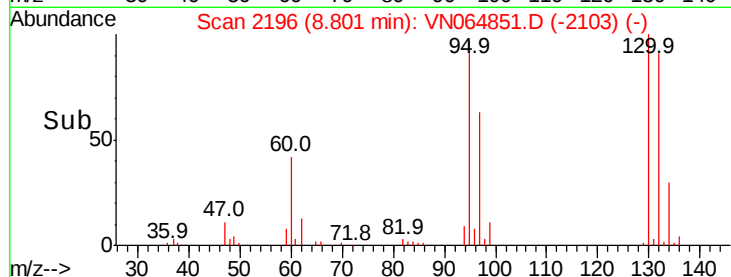
30000

20000

10000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#50

Toluene-d8

Concen: 50.370 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064851.D

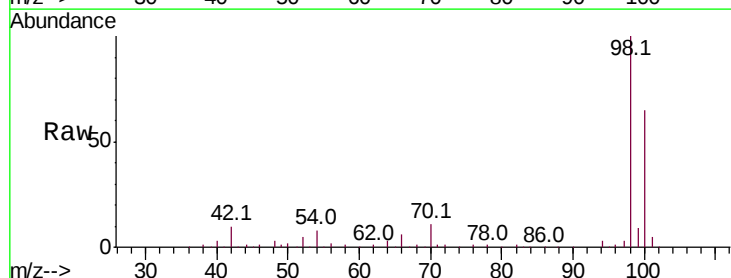
Acq: 25 Nov 2020 12:41

Tgt Ion: 98 Resp: 349796

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



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

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

10.06

200000

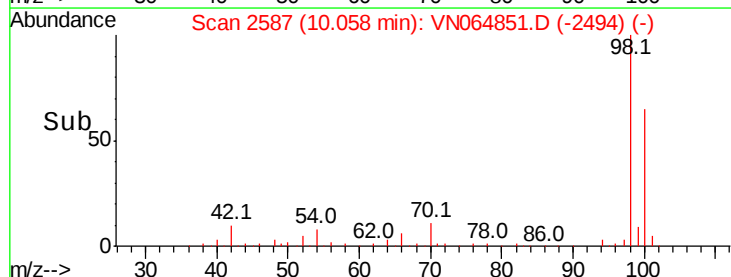
150000

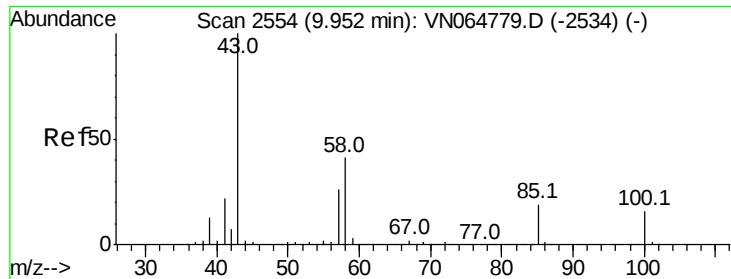
100000

50000

0

Time--> 10.00 10.05 10.10





#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

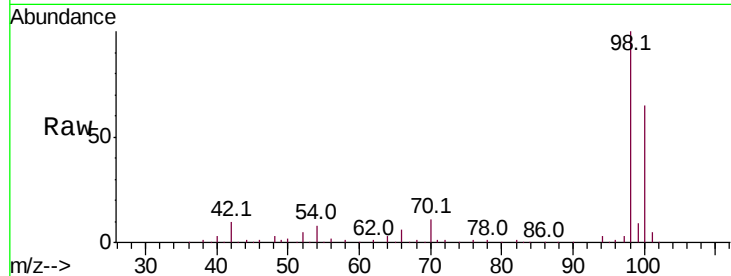
DUP01-20201118DL

Tot Ion: 43 Resp: 1472

Ion Ratio Lower Upper

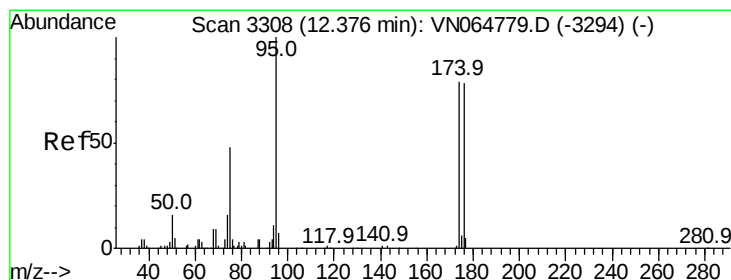
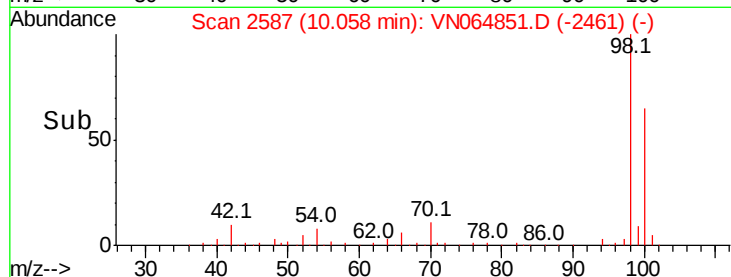
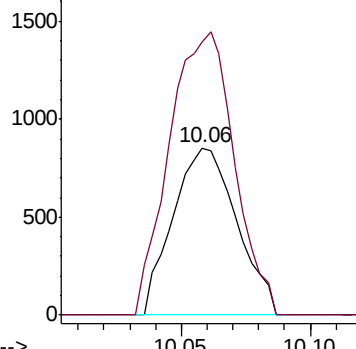
43 100

58 171.6 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 53.750 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

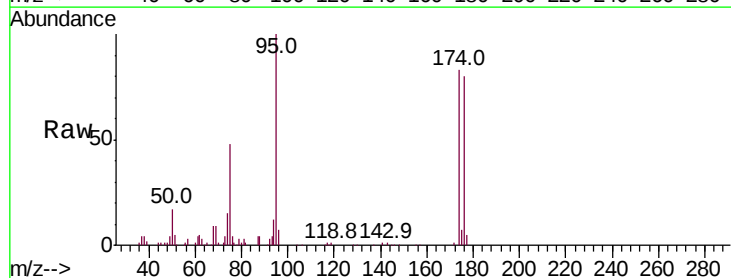
Tgt Ion: 95 Resp: 133588

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.4

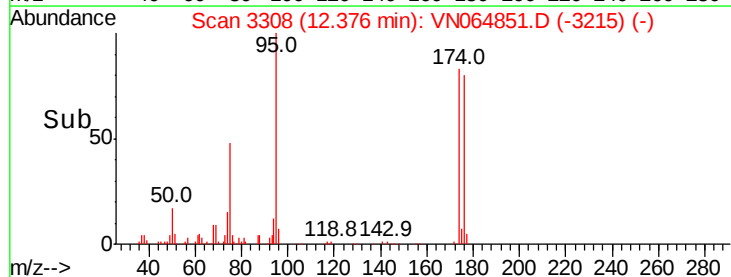
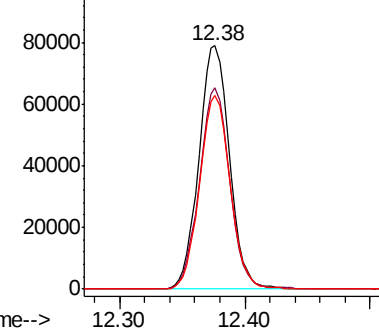
176 79.4 0.0 158.4

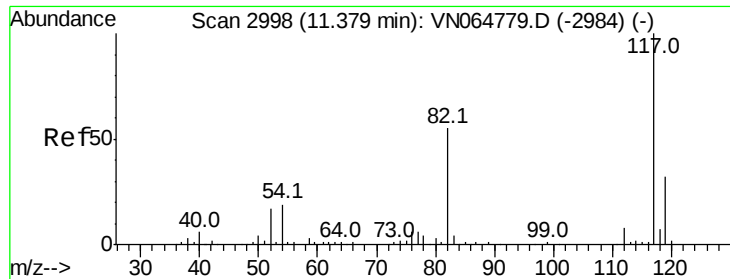


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

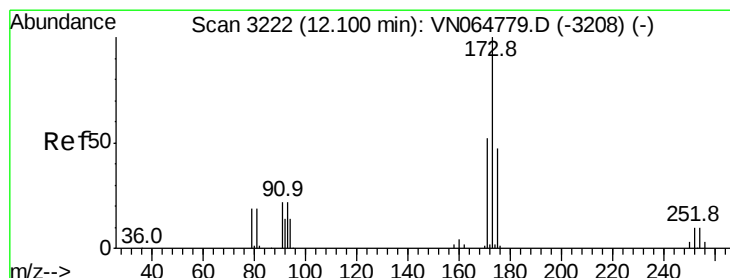
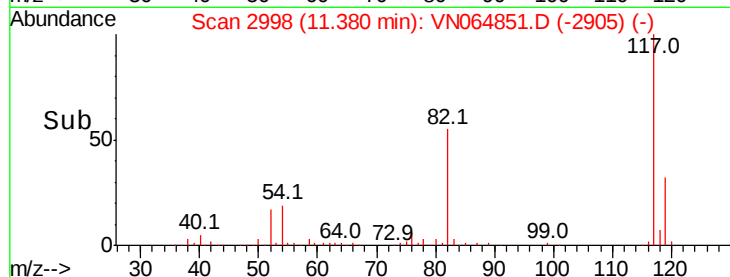
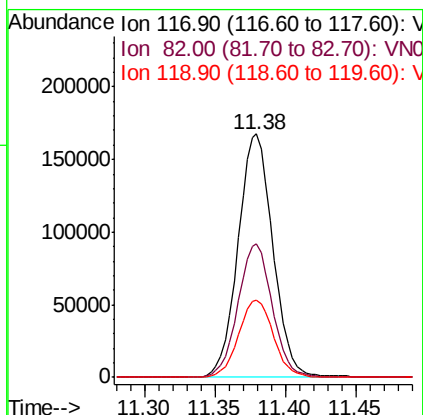
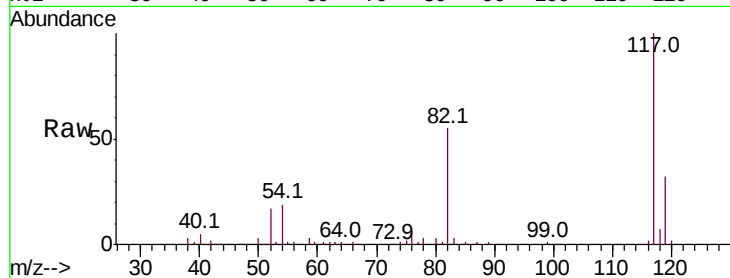




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064851.D
Acq: 25 Nov 2020 12:41

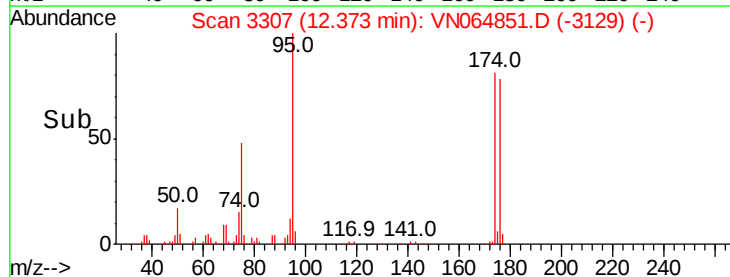
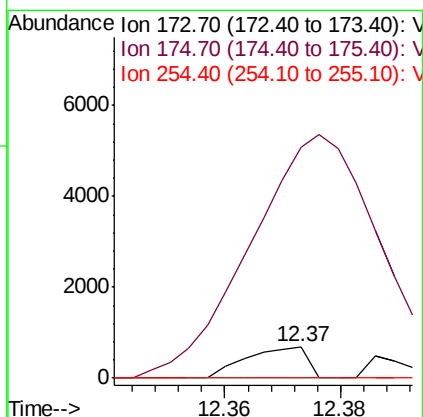
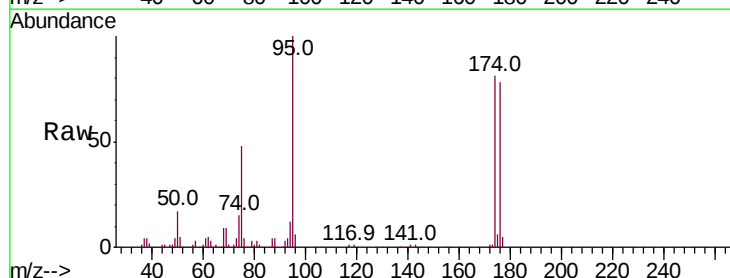
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20201118DL

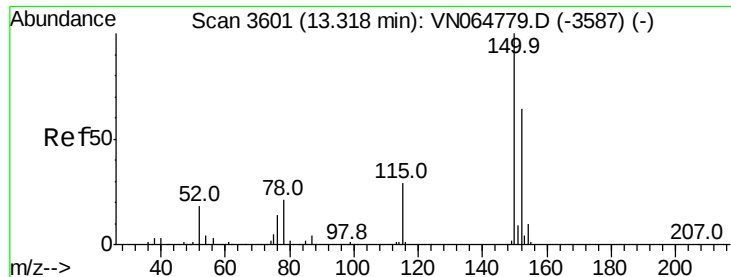
Tot Ion:117 Resp: 290047
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.9 25.8 38.6



#71
Bromoform
Concen: 0.273 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064851.D
Acq: 25 Nov 2020 12:41

Tgt Ion:173 Resp: 499
Ion Ratio Lower Upper
173 100
175 1463.9 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

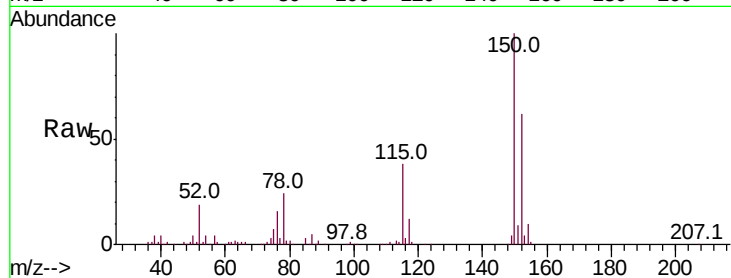
Tot Ion:152 Resp: 128729

Ion Ratio Lower Upper

152 100

115 59.7 29.7 89.1

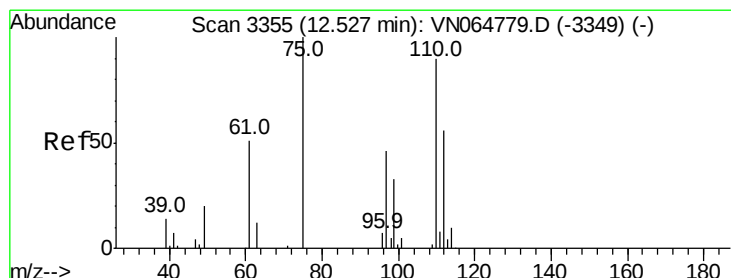
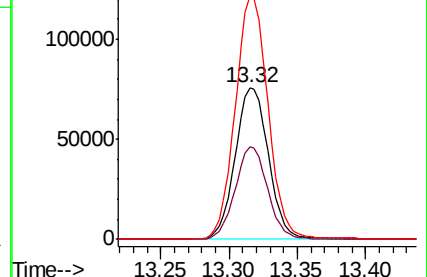
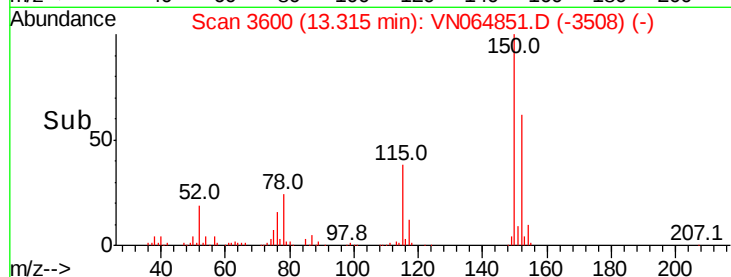
150 158.2 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.196 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064851.D

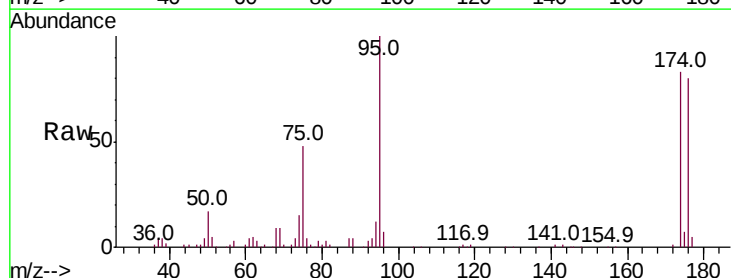
Acq: 25 Nov 2020 12:41

Tgt Ion: 75 Resp: 64306

Ion Ratio Lower Upper

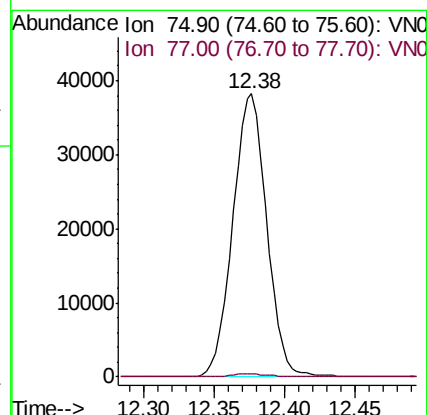
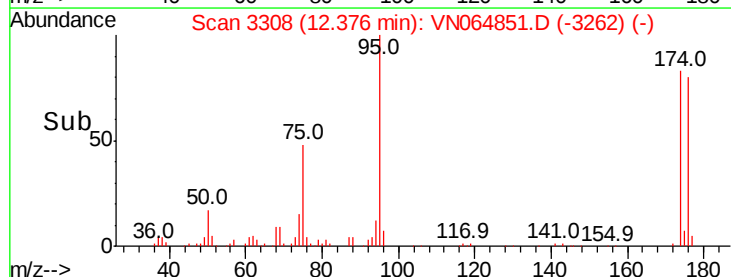
75 100

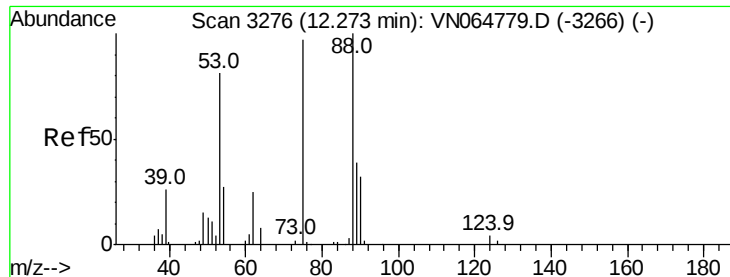
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 63.575 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

Tot Ion: 75 Resp: 64306

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#

