

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064299.D
 Acq On : 23 Oct 2020 20:51
 Operator : JC/MD
 Sample : L4486-09 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1806

Quant Time: Oct 26 02:31:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	241151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	414030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183813	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	187328	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	7.55	113	138411	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.06	98	527689	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.38	95	226747	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	

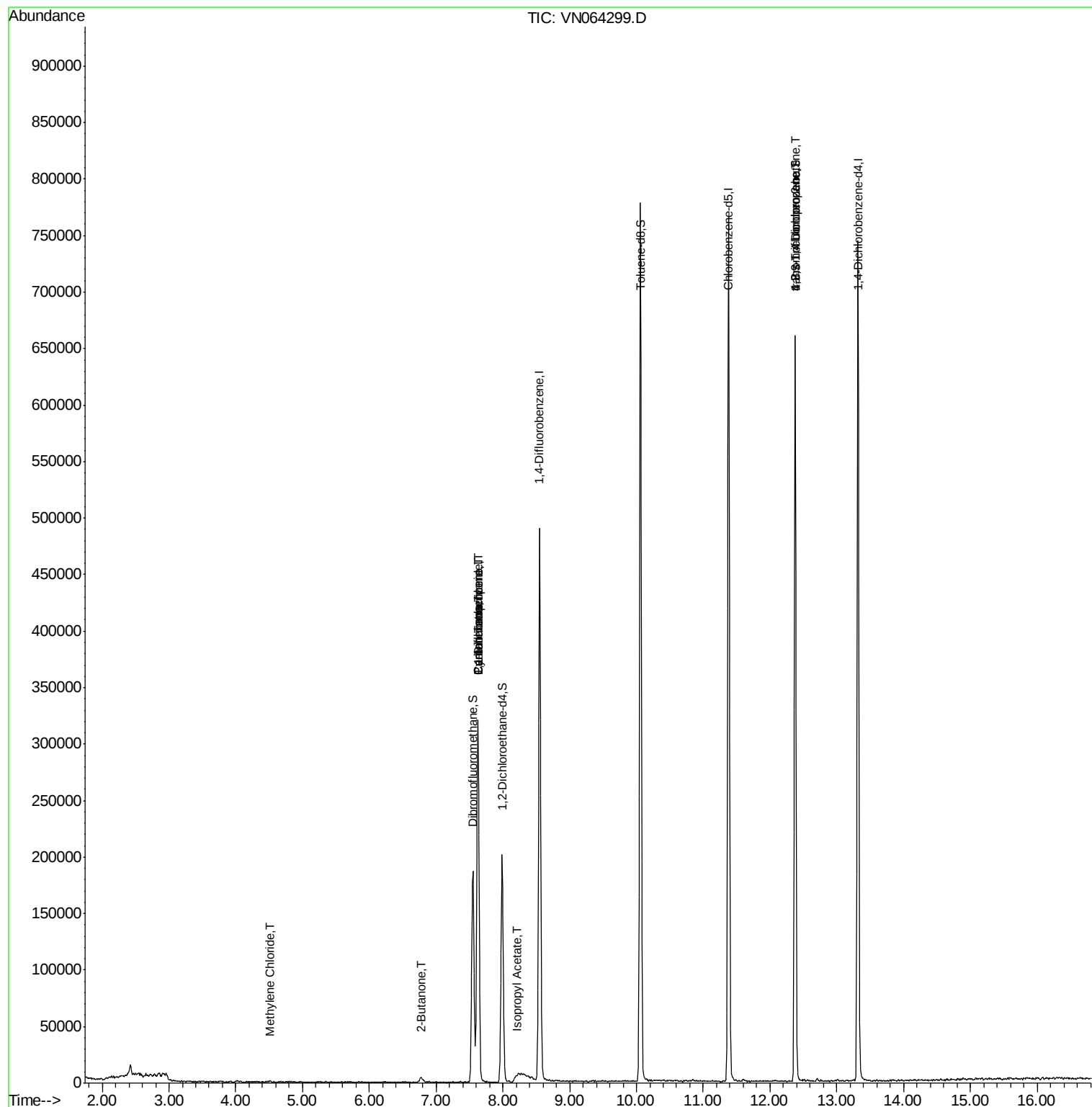
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.51	84	618	0.226	ug/l #	16
25) 2-Butanone	6.78	43	1025	0.630	ug/l #	51
31) Cyclohexane	7.63	56	6125	1.443	ug/l #	41
36) 1,1-Dichloropropene	7.62	75	20635	4.999	ug/l #	50
38) Carbon Tetrachloride	7.62	117	27472	5.850	ug/l #	14
43) Isopropyl Acetate	8.20	43	4766	0.682	ug/l #	57
76) 1,2,3-Trichloropropane	12.38	75	122694	31.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122694	79.938	ug/l #	9

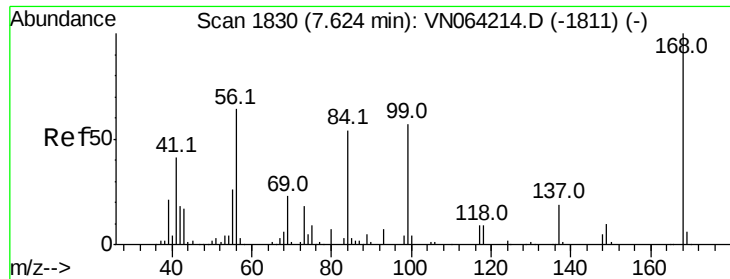
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102320\
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Acq On : 23 Oct 2020 20:51
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1806

Quant Time: Oct 26 02:31:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 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: VN064299.D

Acq: 23 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampled :

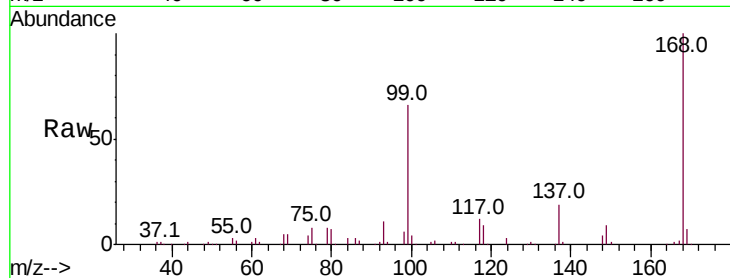
1806

Tot Ion:168 Resp: 241151

Ion Ratio Lower Upper

168 100

99 66.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

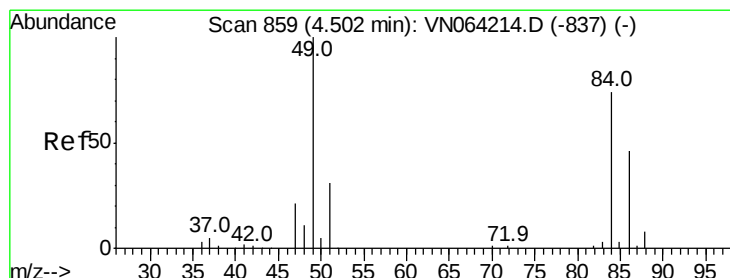
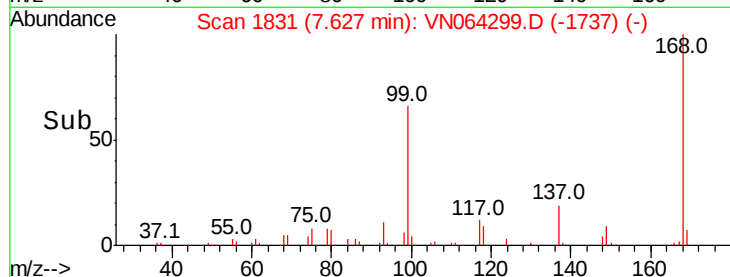
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#20

Methylene Chloride

Concen: 0.226 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

Tgt Ion: 84 Resp: 618

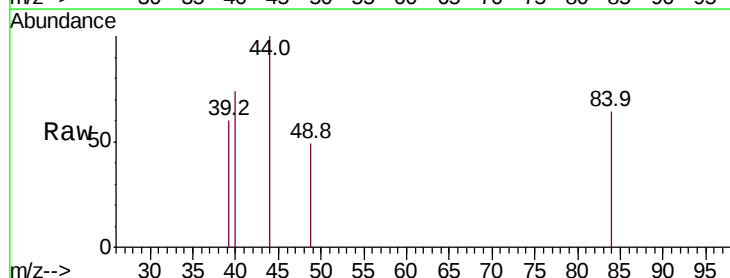
Ion Ratio Lower Upper

84 100

49 26.5 108.5 162.7#

51 0.0 33.8 50.8#

86 0.0 50.5 75.7#



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

4.51

600

500

400

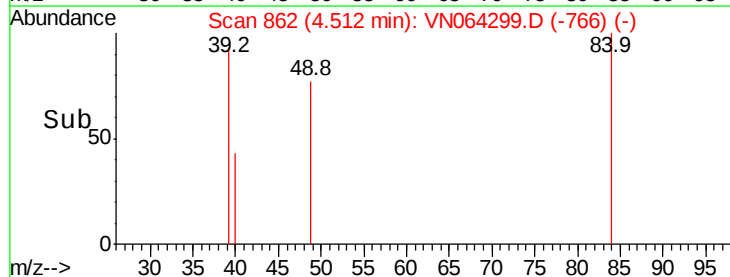
300

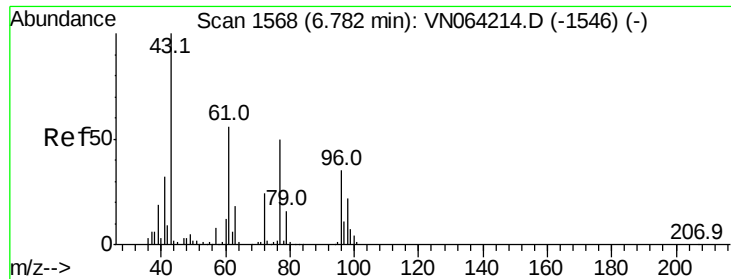
200

100

0

Time--> 4.48 4.50 4.52 4.54

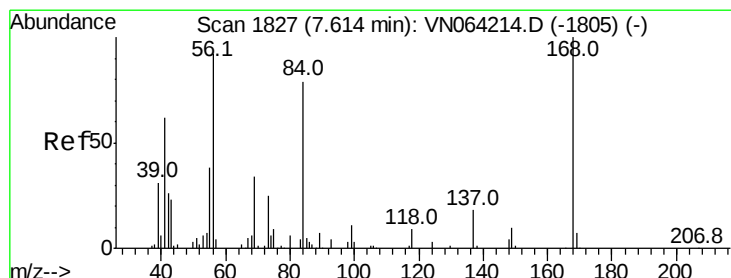
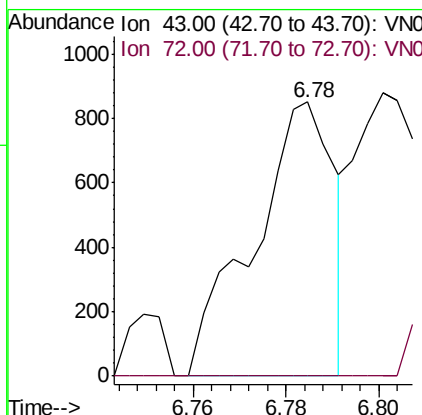
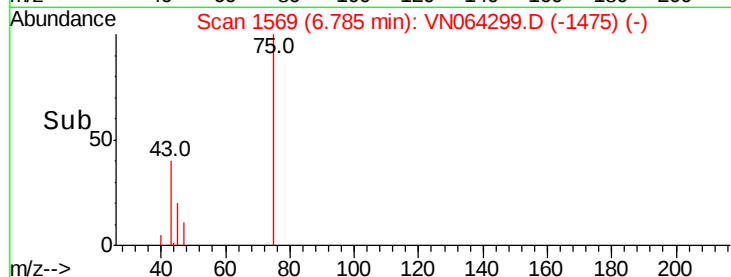
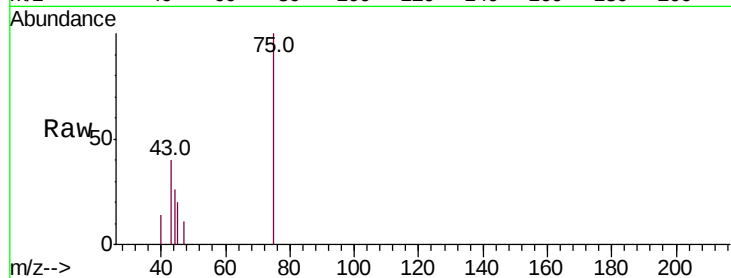




#25
2-Butanone
Concen: 0.630 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064299.D
Acq: 23 Oct 2020 20:51

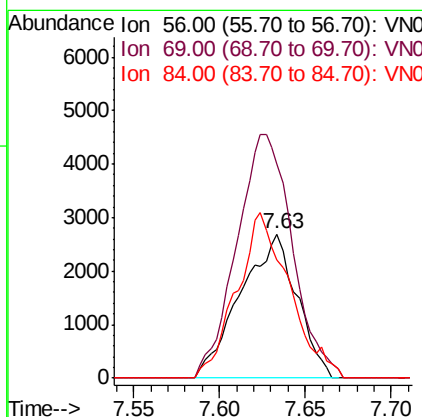
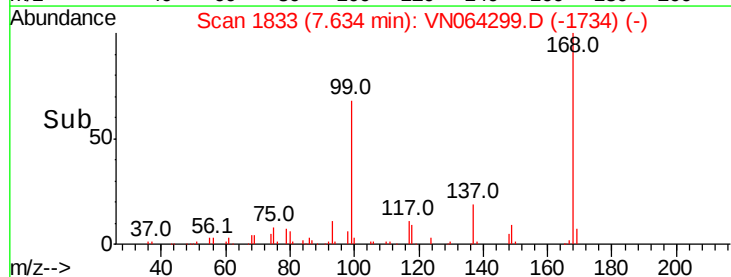
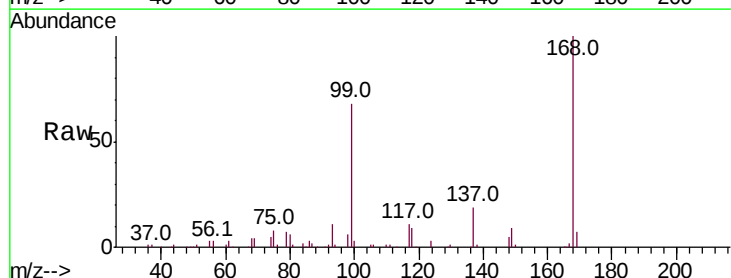
Instrument :
MSVOA_N
ClientSampleId :
1806

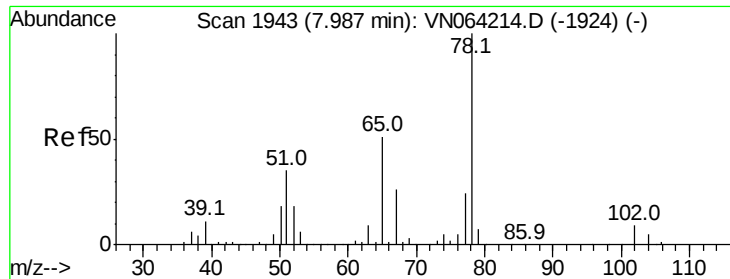
Tot Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



#31
Cyclohexane
Concen: 1.443 ug/l
RT: 7.63 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN064299.D
Acq: 23 Oct 2020 20:51

Tgt Ion: 56 Resp: 6125
Ion Ratio Lower Upper
56 100
69 148.6 29.8 44.6#
84 81.7 68.1 102.1

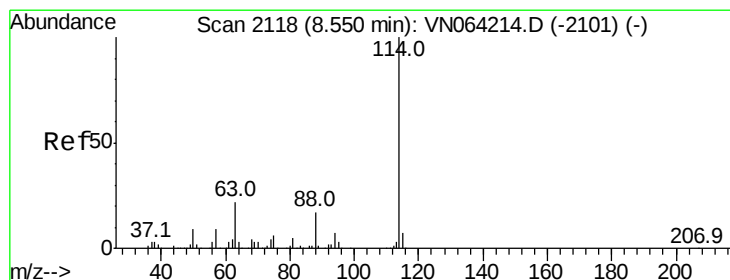
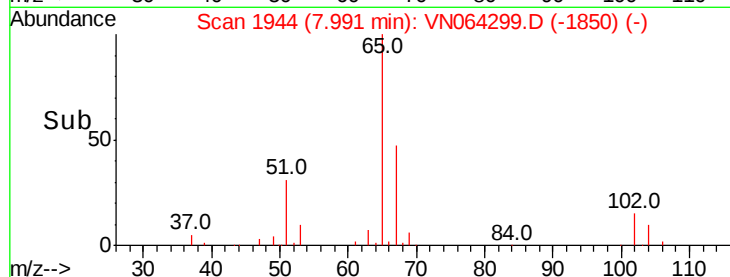
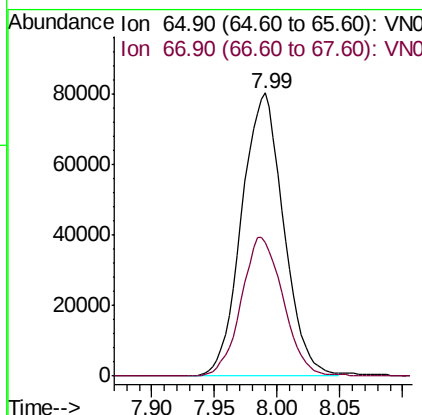
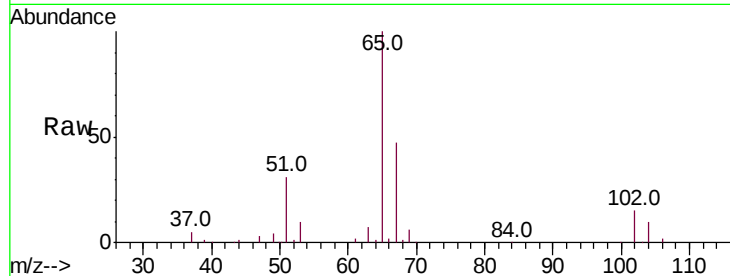




#33
 1,2-Dichloroethane-d4
 Concen: 52.308 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064299.D
 Acq: 23 Oct 2020 20:51

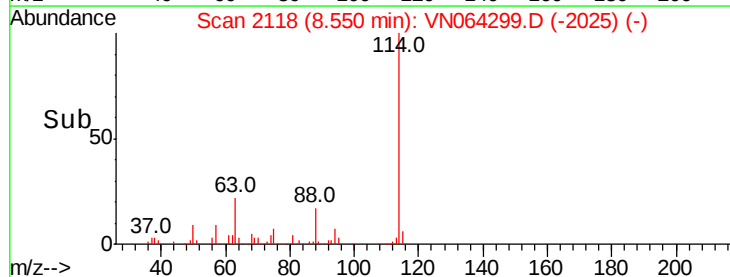
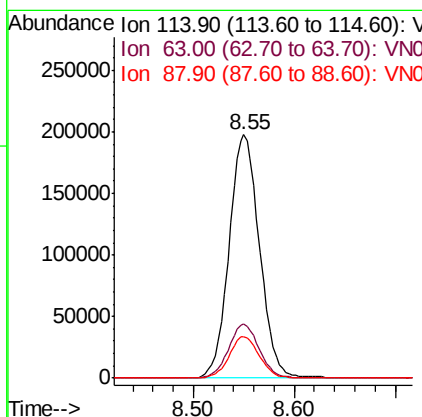
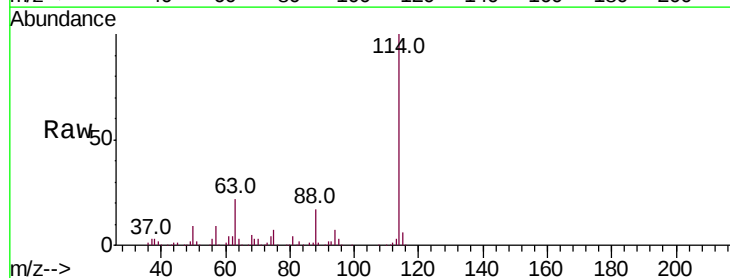
Instrument :
 MSVOA_N
 ClientSampleId :
 1806

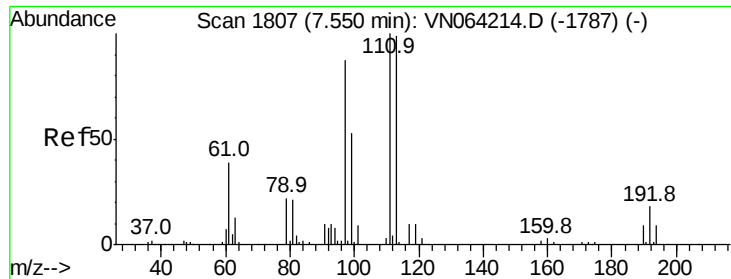
Tot Ion: 65 Resp: 187328
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064299.D
 Acq: 23 Oct 2020 20:51

Tgt Ion: 114 Resp: 414030
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.0
 88 17.2 0.0 34.2

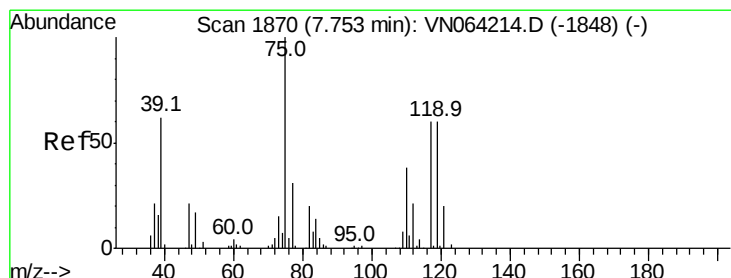
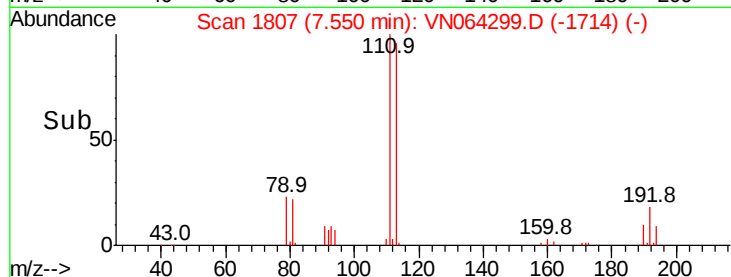
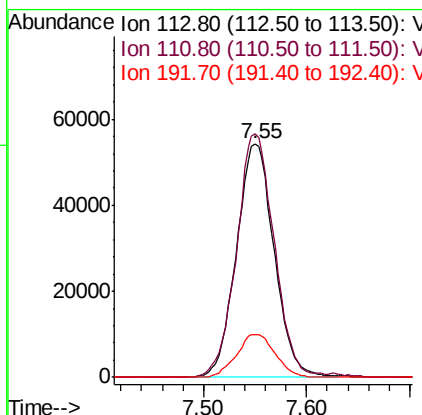
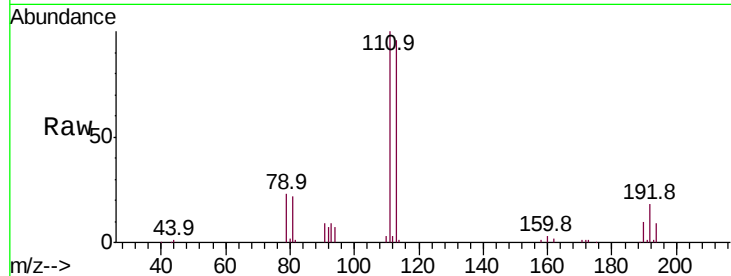




#35
 Dibromofluoromethane
 Concen: 50.282 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064299.D
 Acq: 23 Oct 2020 20:51

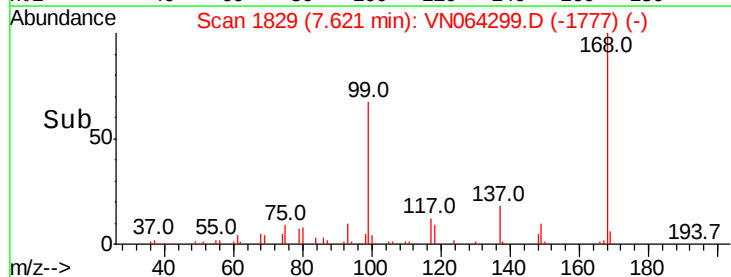
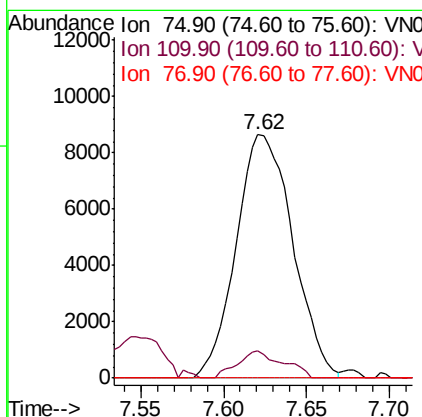
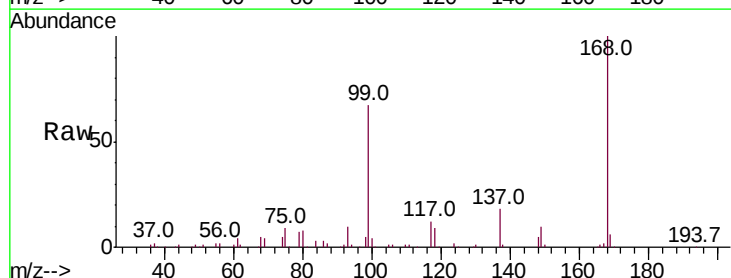
Instrument :
 MSVOA_N
 ClientSampleId :
 1806

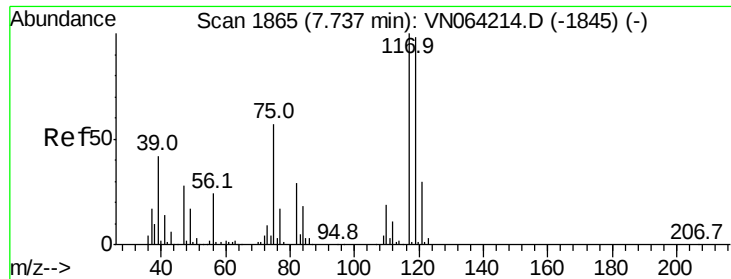
Tot Ion:113 Resp: 138411
 Ion Ratio Lower Upper
 113 100
 111 103.7 84.2 126.2
 192 18.7 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064299.D
 Acq: 23 Oct 2020 20:51

Tgt Ion: 75 Resp: 20635
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.2 51.6#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.850 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampled :

1806

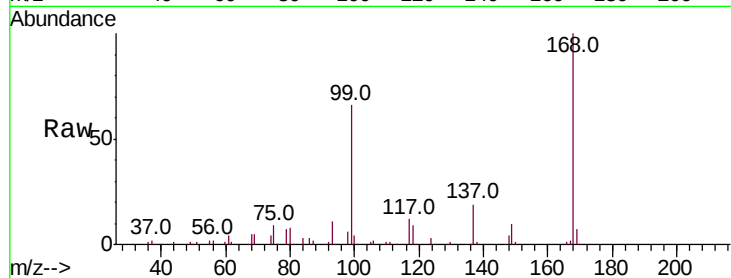
Tot Ion:117 Resp: 27472

Ion Ratio Lower Upper

117 100

119 3.8 78.5 117.7#

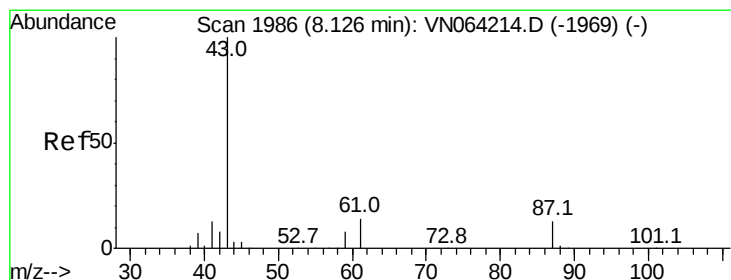
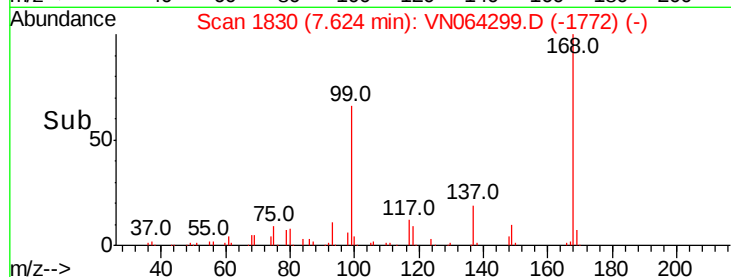
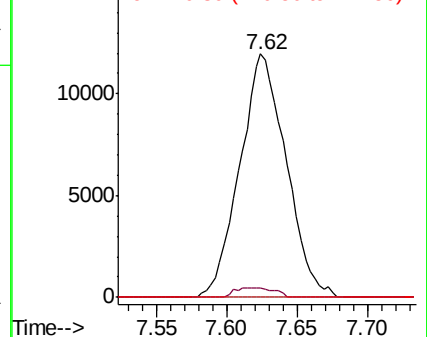
121 0.0 24.3 36.5#



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: 0.682 ug/l

RT: 8.20 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

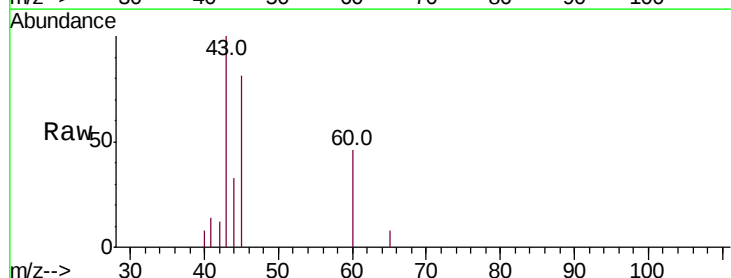
Tgt Ion: 43 Resp: 4766

Ion Ratio Lower Upper

43 100

61 0.0 19.6 29.4#

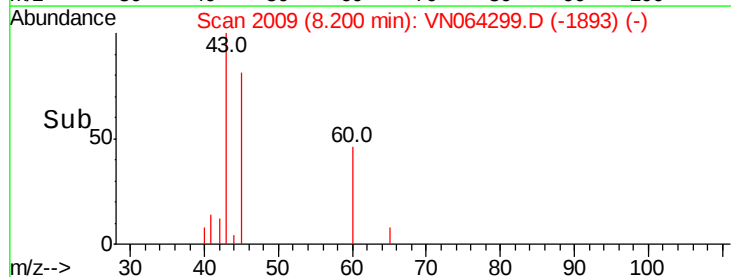
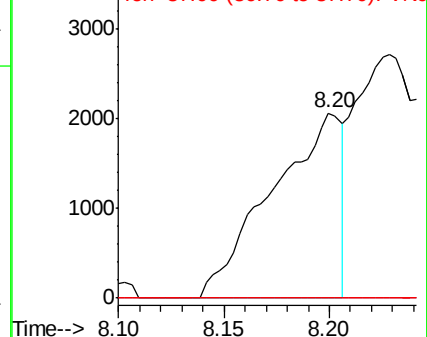
87 0.0 9.8 14.6#

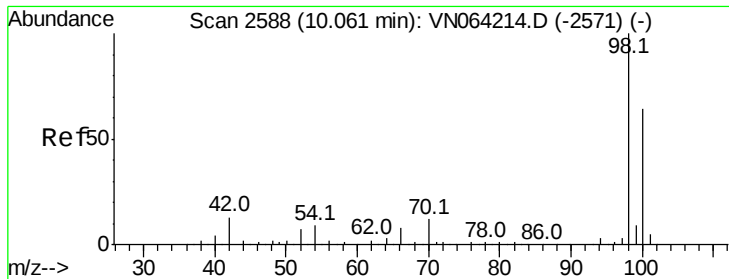


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.846 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

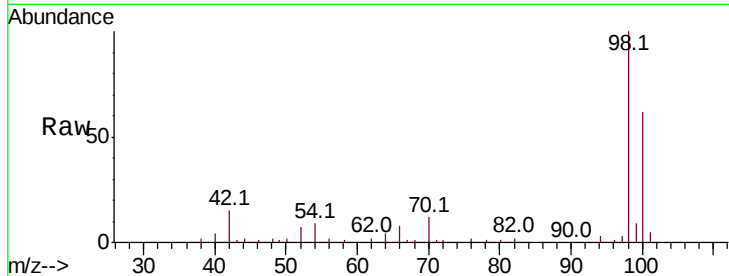
1806

Tot Ion: 98 Resp: 527689

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064214.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064214.D (-2571) (-)

10.06

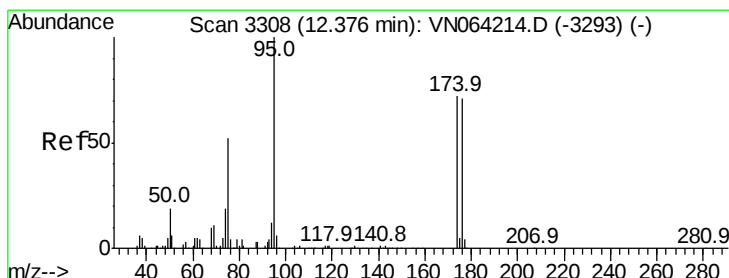
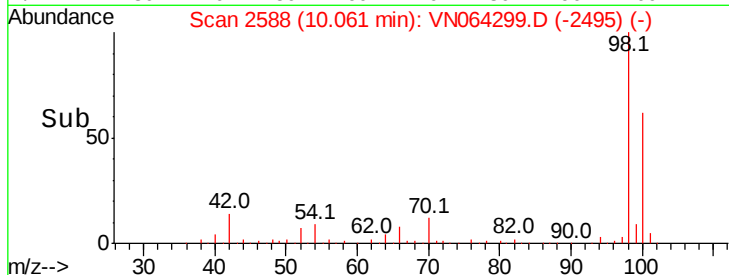
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.015 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

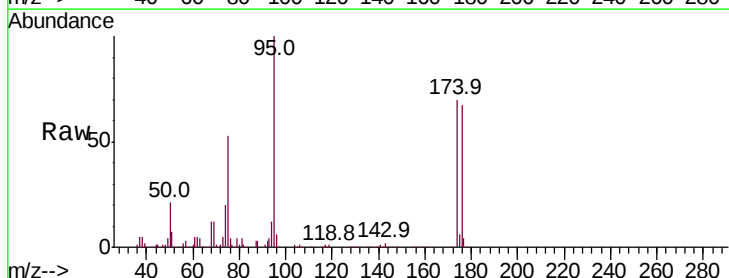
Tgt Ion: 95 Resp: 226747

Ion Ratio Lower Upper

95 100

174 71.9 0.0 144.4

176 69.1 0.0 139.2



Abundance Ion 94.90 (94.60 to 95.60): VN064214.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064214.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064214.D (-3293) (-)

12.38

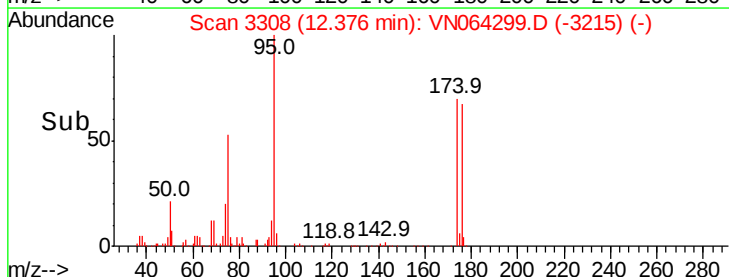
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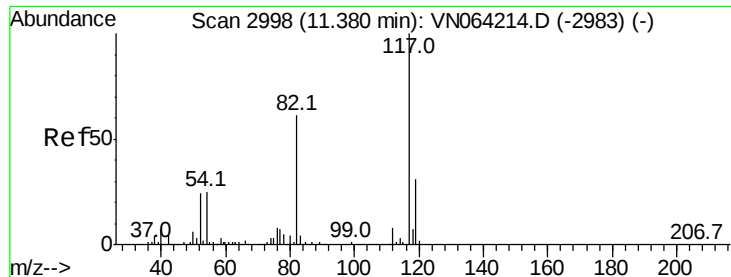
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

1806

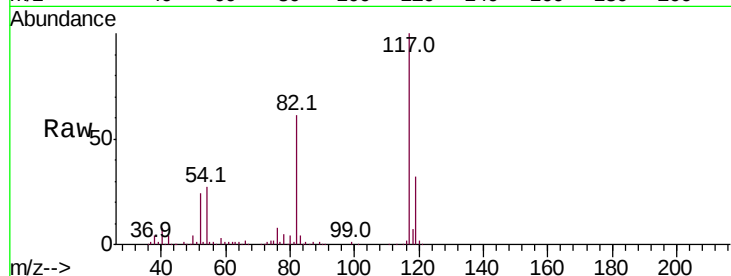
Tot Ion:117 Resp: 416049

Ion Ratio Lower Upper

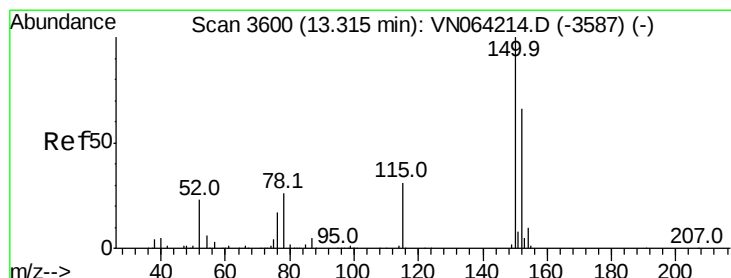
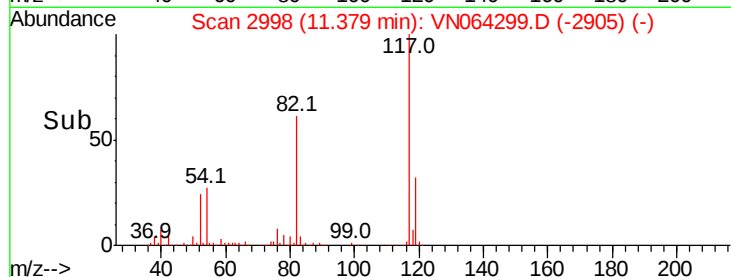
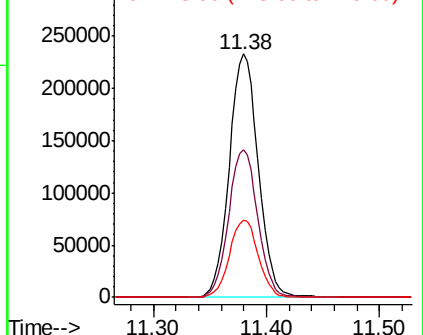
117 100

82 60.9 48.8 73.2

119 31.5 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): 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: VN064299.D

Acq: 23 Oct 2020 20:51

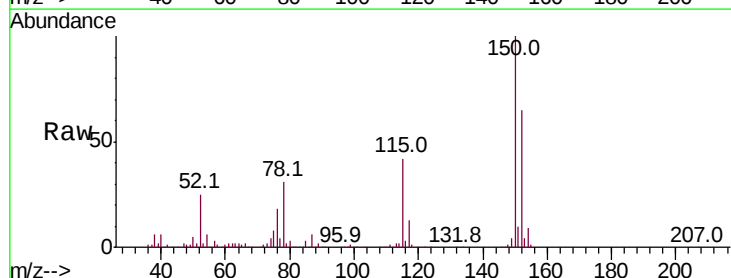
Tgt Ion:152 Resp: 183813

Ion Ratio Lower Upper

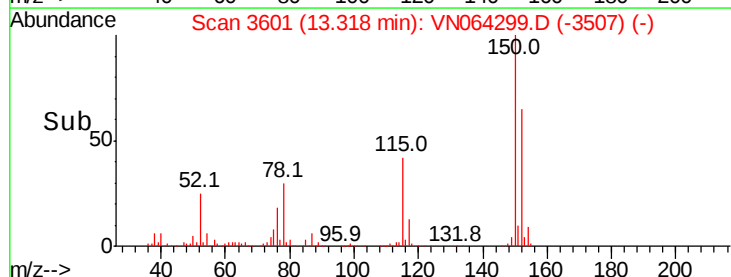
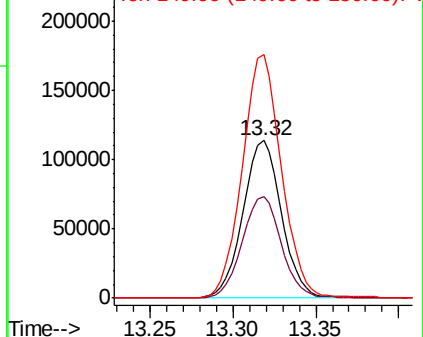
152 100

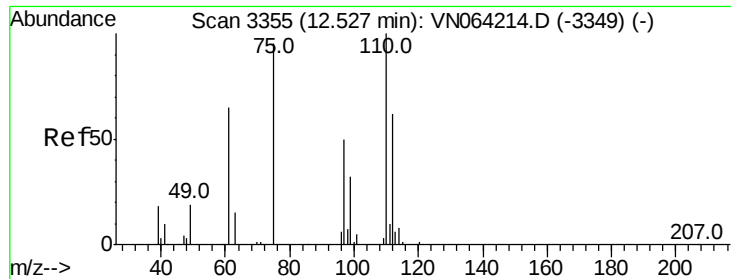
115 65.6 32.0 96.2

150 158.2 0.0 356.6



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: 31.662 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampled :

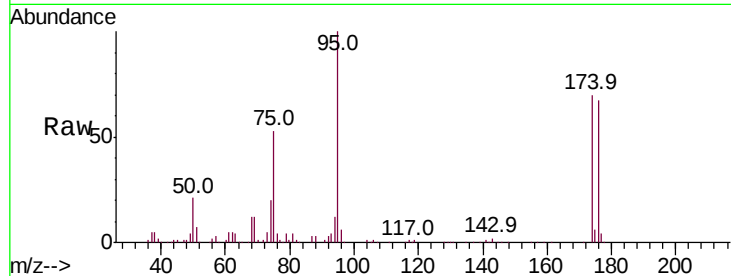
1806

Tot Ion: 75 Resp: 122694

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

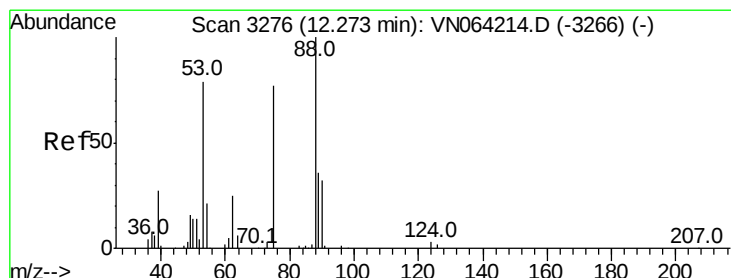
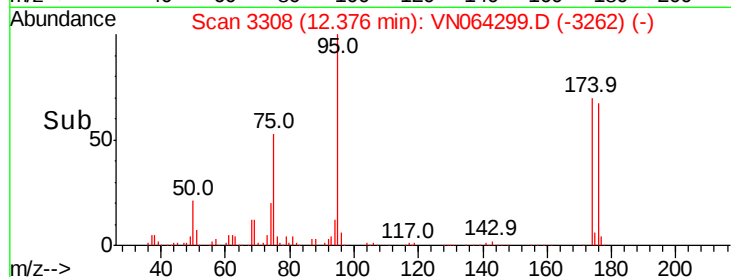
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 79.938 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064299.D

Acq: 23 Oct 2020 20:51

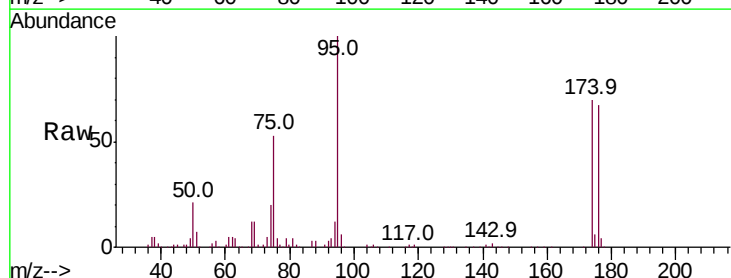
Tgt Ion: 75 Resp: 122694

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

100000

80000

60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45

