

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062923.D
 Acq On : 13 Aug 2020 20:31
 Operator : JC/MD
 Sample : L3508-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-081220

Quant Time: Aug 14 05:11:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	117775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	218782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	212958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	77368	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	105248	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
35) Dibromofluoromethane	7.55	113	71776	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	10.06	98	274174	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.38	95	98737	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

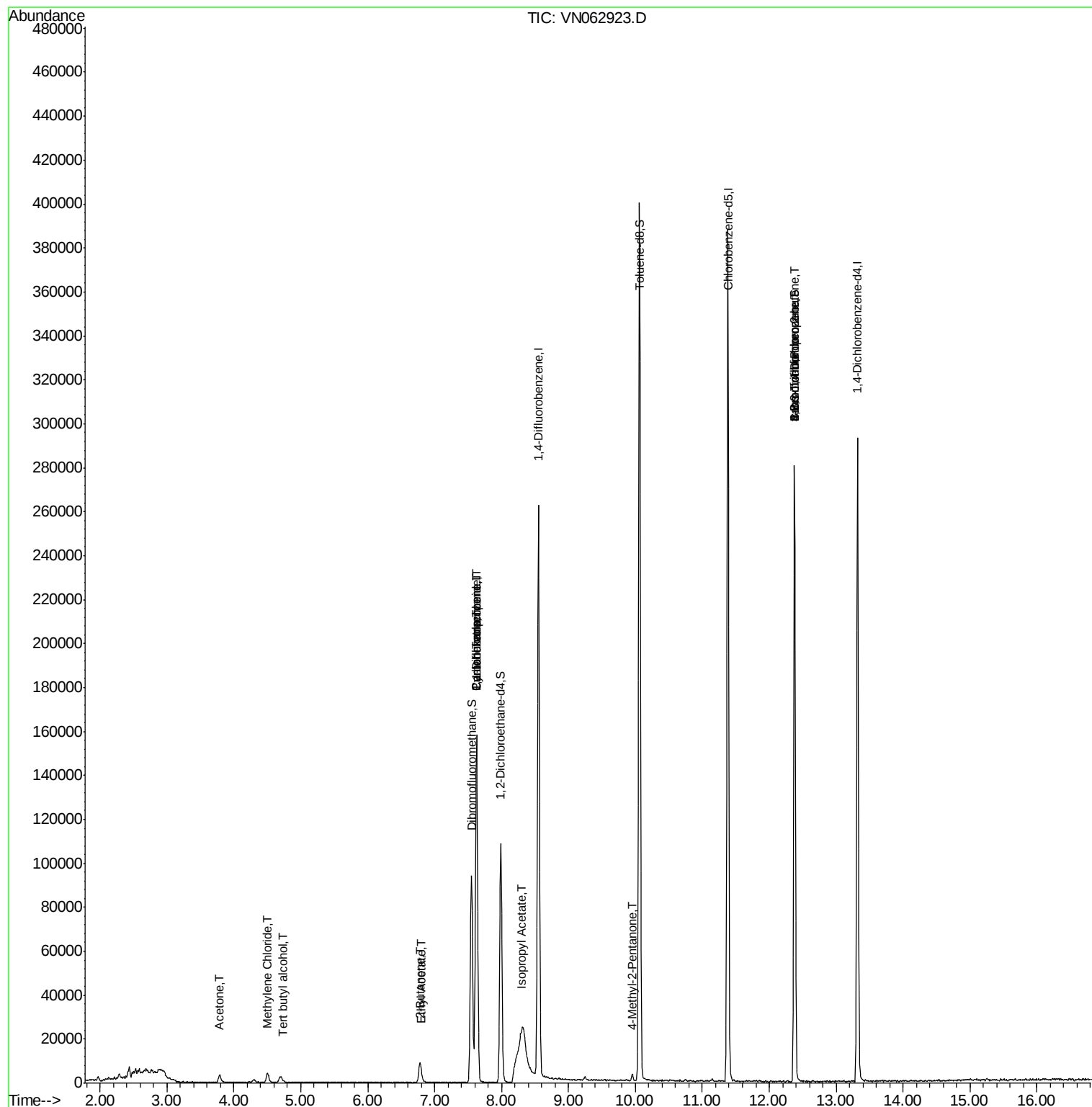
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	392	1.228	ug/l #	72
16) Acetone	3.78	43	6796	9.657	ug/l	89
18) Methyl Acetate	4.29	43	1663	Below Cal	#	86
20) Methylene Chloride	4.51	84	3212	1.760	ug/l	95
25) 2-Butanone	6.79	43	813	0.816	ug/l #	49
31) Cyclohexane	7.62	56	2696	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10178	4.778	ug/l #	52
37) Ethyl Acetate	6.81	43	1065	0.479	ug/l #	67
38) Carbon Tetrachloride	7.63	117	12672	5.030	ug/l #	16
43) Isopropyl Acetate	8.28	43	31723	8.547	ug/l #	61
51) 4-Methyl-2-Pentanone	9.96	43	2284	0.951	ug/l #	77
71) Bromoform	12.37	173	347	0.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53232	25.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53232	77.882	ug/l #	10

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

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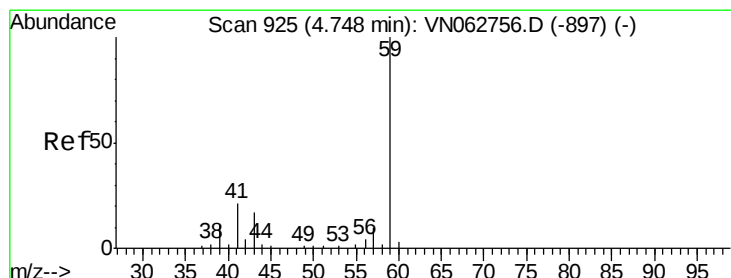
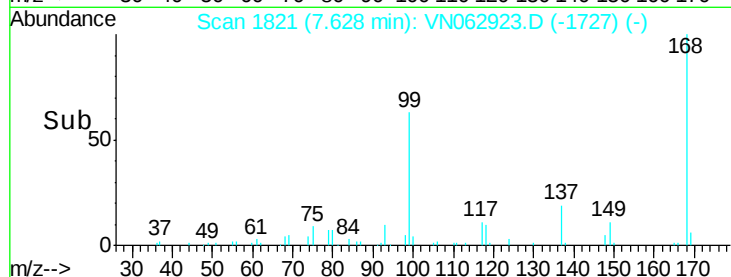
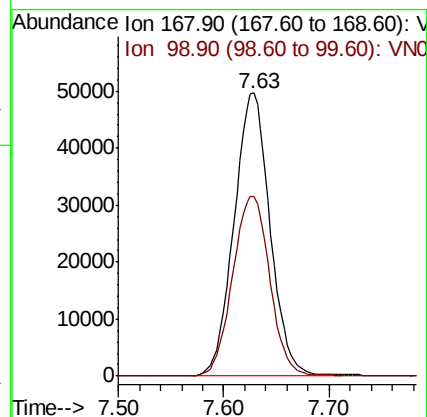
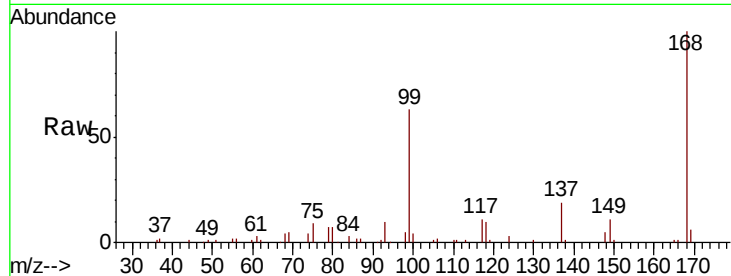




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN062923.D
Acq: 13 Aug 2020 20:31

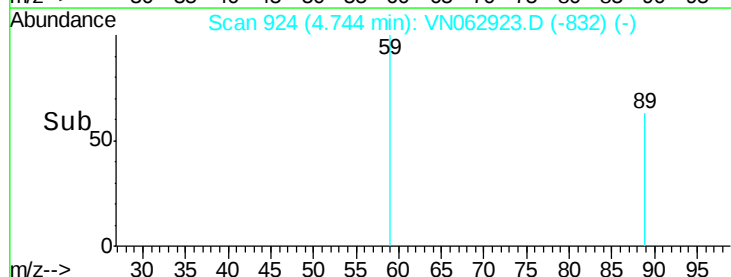
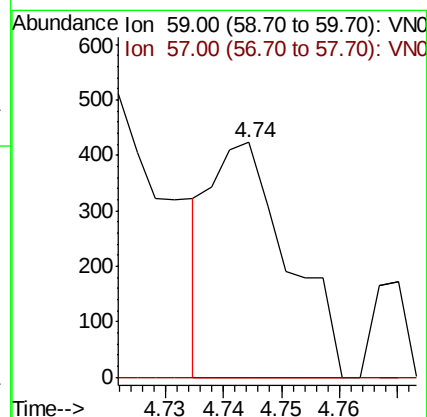
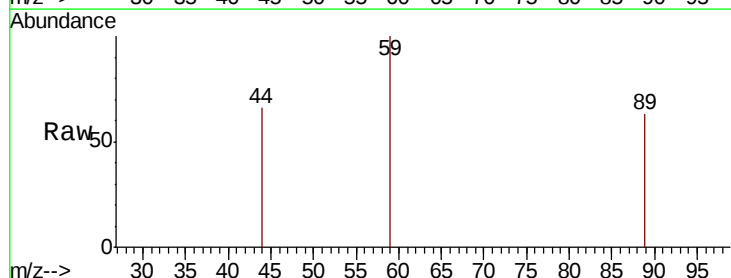
Instrument :
MSVOA_N
ClientSampleId :
TR-04-081220

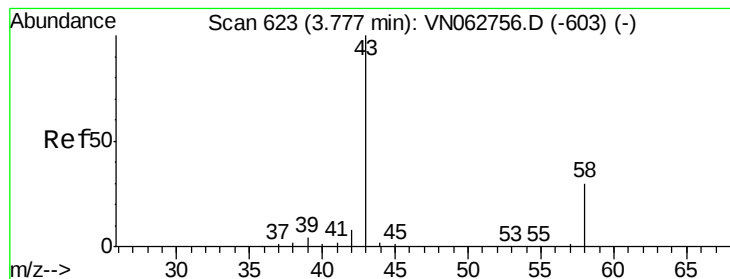
Tot Ion:168 Resp: 117775
Ion Ratio Lower Upper
168 100
99 63.3 52.9 79.3



#11
Tert butyl alcohol
Concen: 1.228 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.00 min
Lab File: VN062923.D
Acq: 13 Aug 2020 20:31

Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 9.657 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

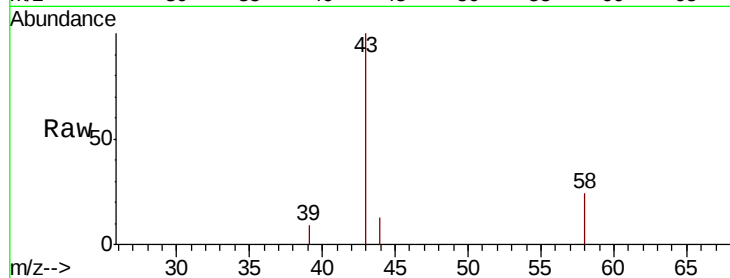
TR-04-081220

Tot Ion: 43 Resp: 6796

Ion Ratio Lower Upper

43 100

58 24.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062923.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062923.D (-530) (-)

3000

2500

2000

1500

1000

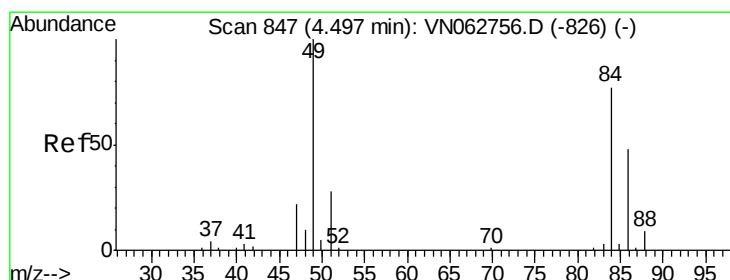
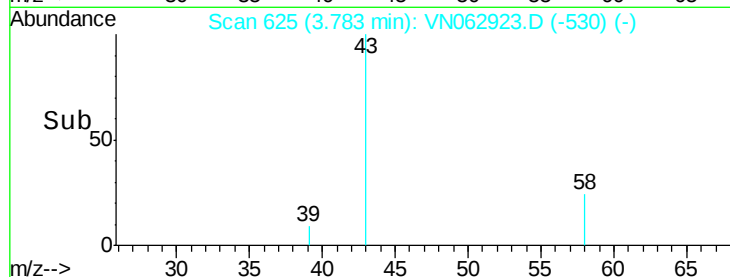
500

0

Time-->

3.70 3.75 3.80 3.85

3.78



#20

Methylene Chloride

Concen: 1.760 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Tgt Ion: 84 Resp: 3212

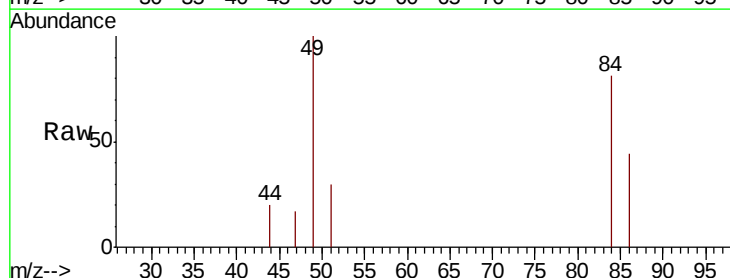
Ion Ratio Lower Upper

84 100

49 124.2 103.4 155.2

51 36.7 29.3 43.9

86 54.9 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VN062923.D (-753) (-)

Ion 48.90 (48.60 to 49.60): VN062923.D (-753) (-)

Ion 50.90 (50.60 to 51.60): VN062923.D (-753) (-)

Ion 85.90 (85.60 to 86.60): VN062923.D (-753) (-)

2000

1500

1000

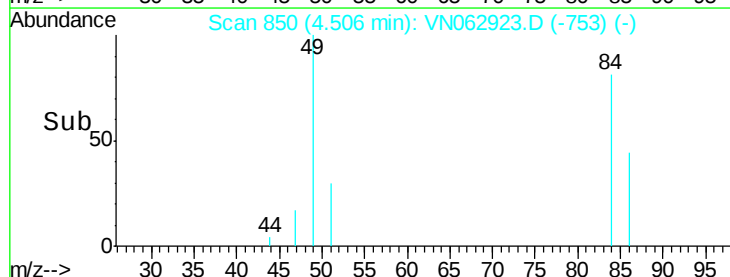
500

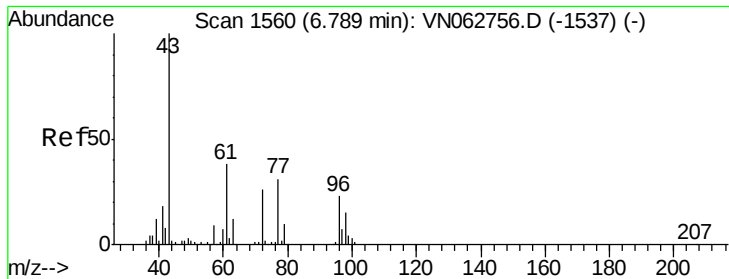
0

Time-->

4.45 4.50 4.55

4.51





#25

2-Butanone

Concen: 0.816 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

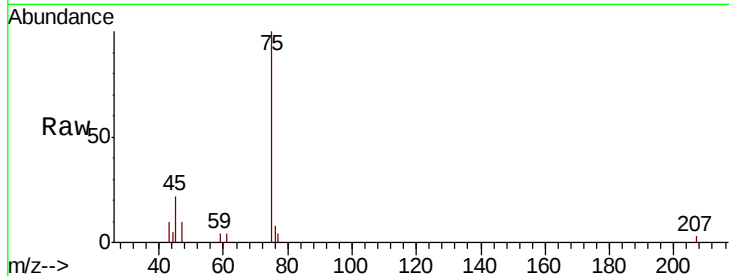
TR-04-081220

Tot Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

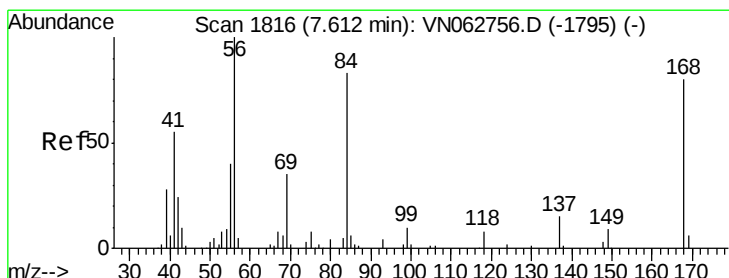
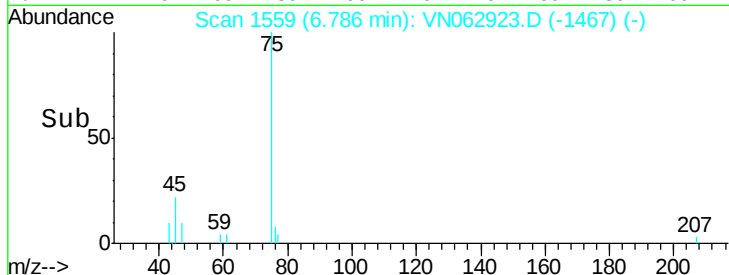
6.79

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

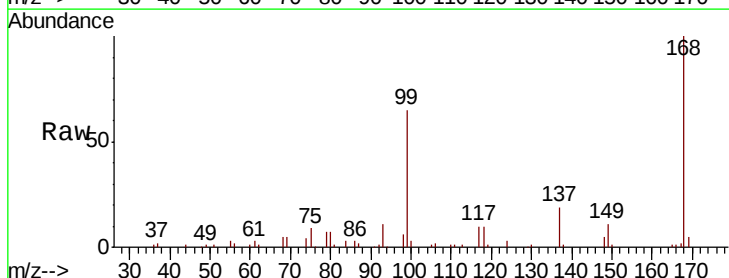
Tgt Ion: 56 Resp: 2696

Ion Ratio Lower Upper

56 100

69 206.3 28.1 42.1#

84 134.9 66.8 100.2#



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

3000

2500

2000

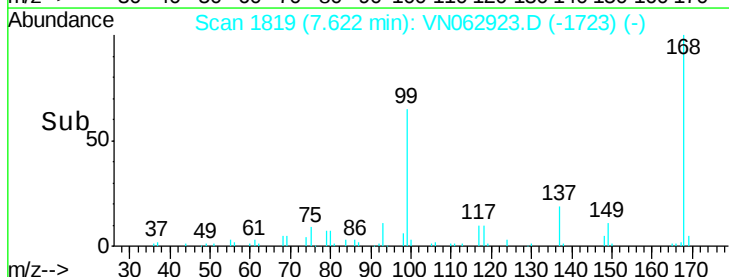
1500

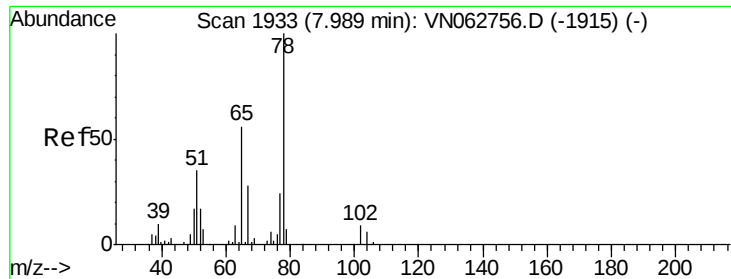
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.039 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

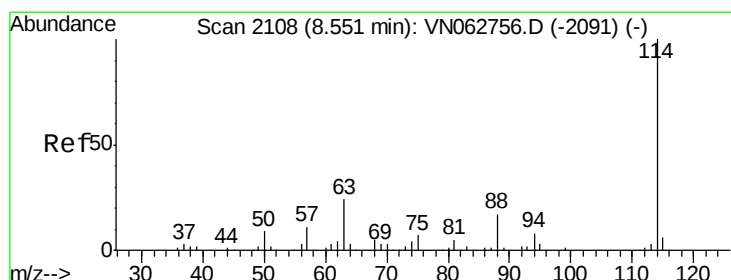
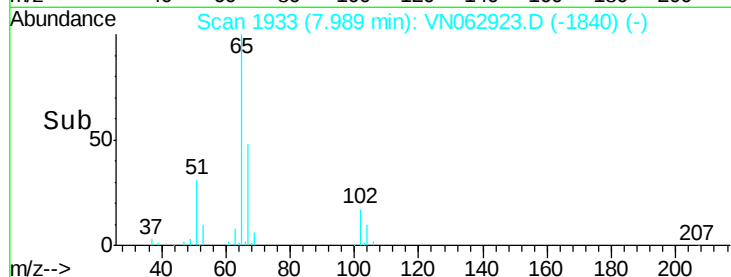
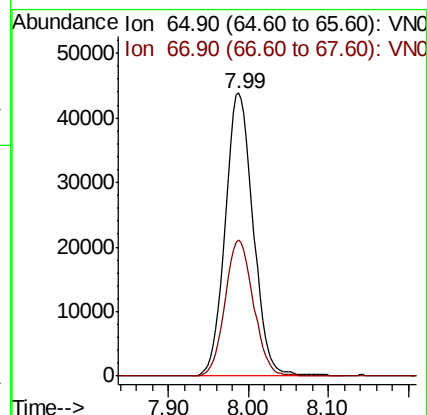
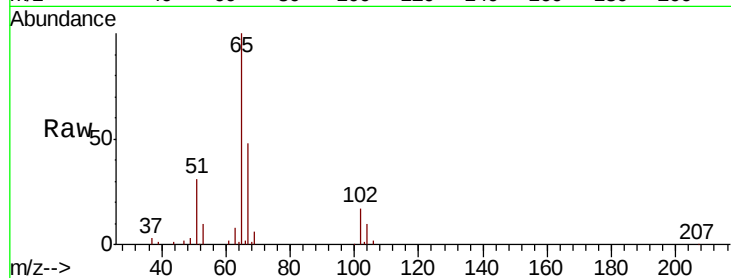
TR-04-081220

Tot Ion: 65 Resp: 105248

Ion Ratio Lower Upper

65 100

67 48.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

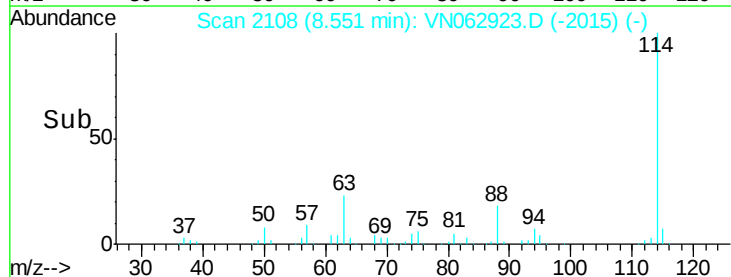
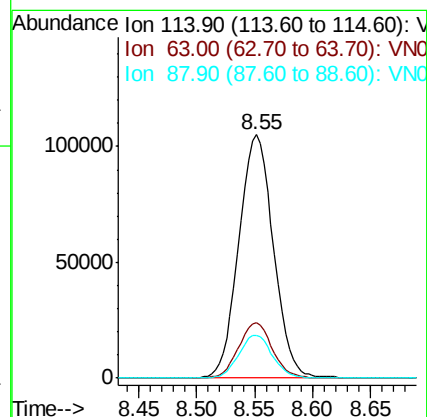
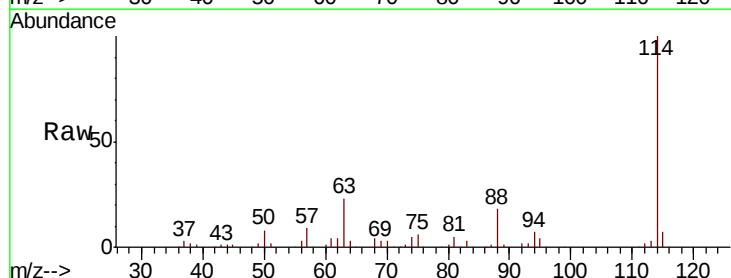
Tgt Ion: 114 Resp: 218782

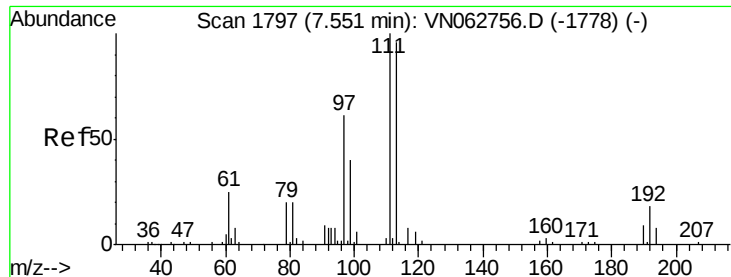
Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.6

88 17.7 0.0 34.4

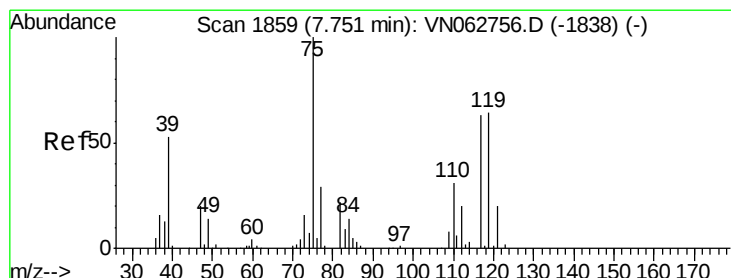
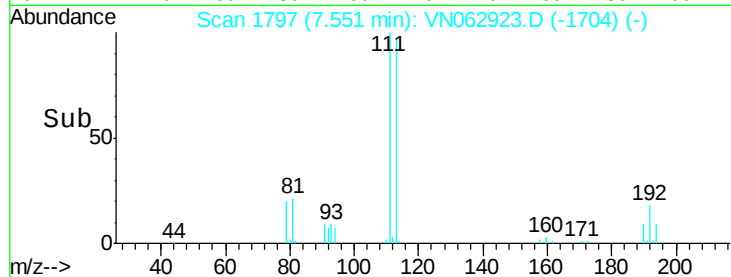
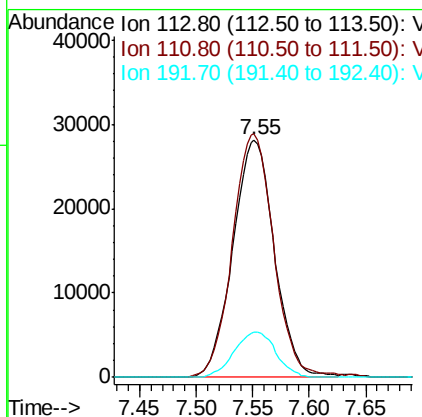
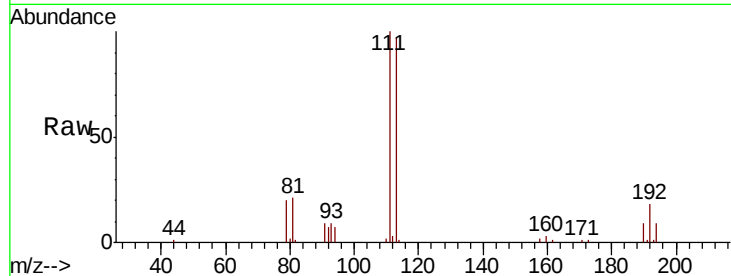




#35
 Dibromofluoromethane
 Concen: 47.960 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062923.D
 Acq: 13 Aug 2020 20:31

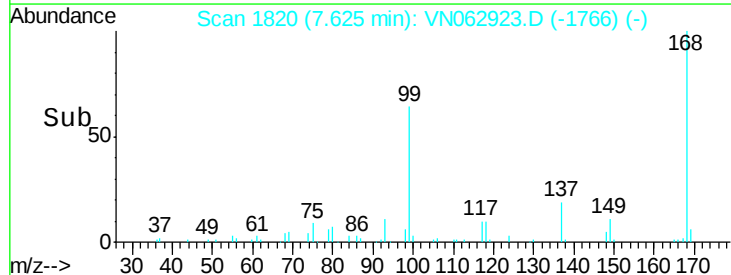
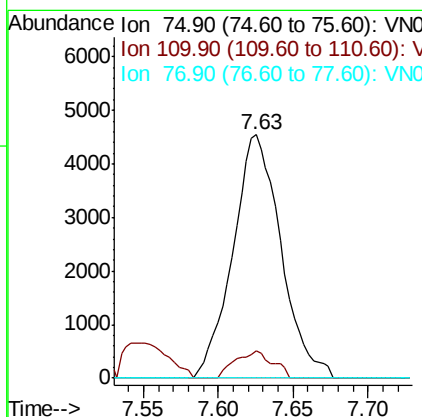
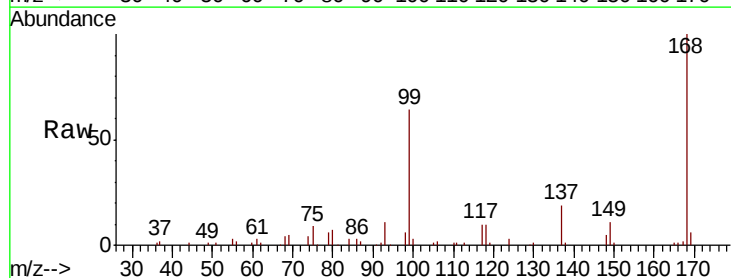
Instrument :
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 TR-04-081220

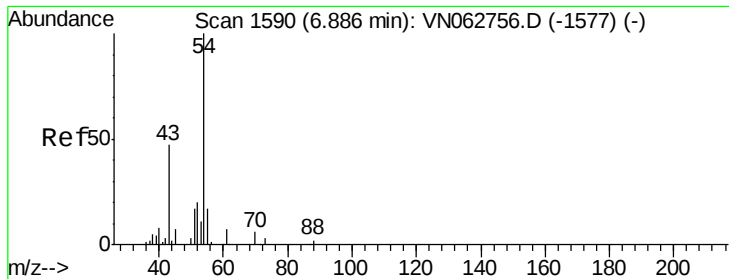
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	19.1	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062923.D
 Acq: 13 Aug 2020 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.7#
77	0.0	24.1	36.1#





#37

Ethyl Acetate

Concen: 0.479 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.08 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081220

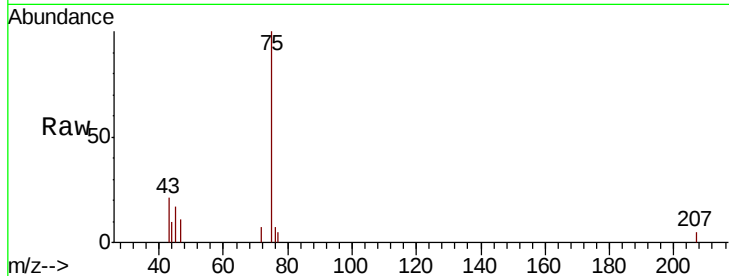
Tot Ion: 43 Resp: 1065

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 8.3 12.5#



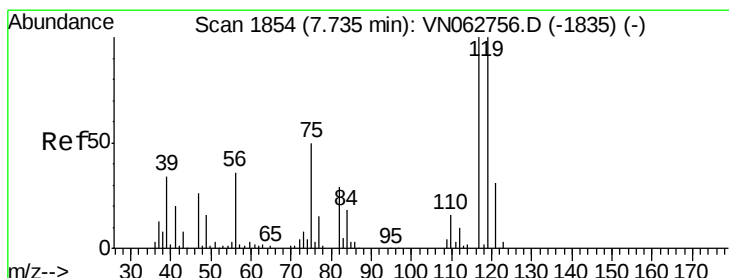
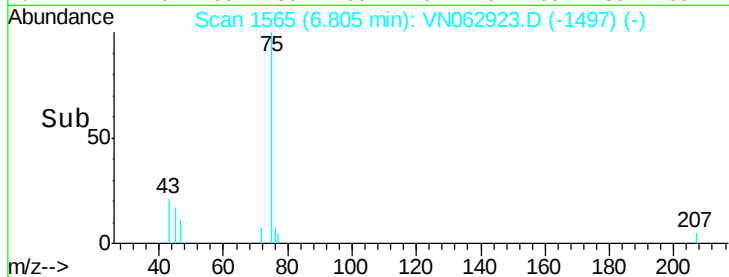
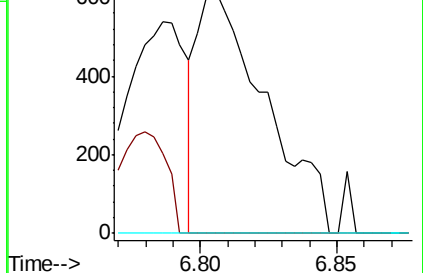
Abundance Ion 43.00 (42.70 to 43.70): VN062923.D (-1497) (-)

Ion 60.90 (60.60 to 61.60): VN062923.D (-1497) (-)

Ion 70.00 (69.70 to 70.70): VN062923.D (-1497) (-)

6.81

6.85



#38

Carbon Tetrachloride

Concen: 5.030 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

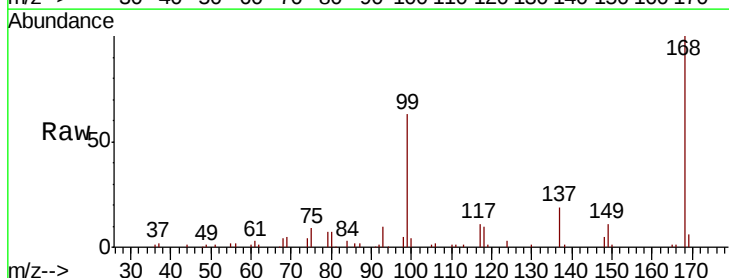
Tgt Ion: 117 Resp: 12672

Ion Ratio Lower Upper

117 100

119 6.5 79.4 119.2#

121 0.0 24.9 37.3#

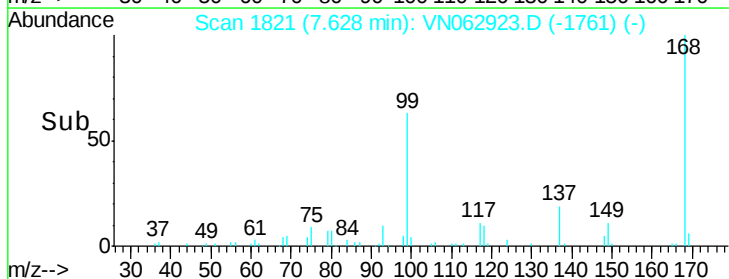
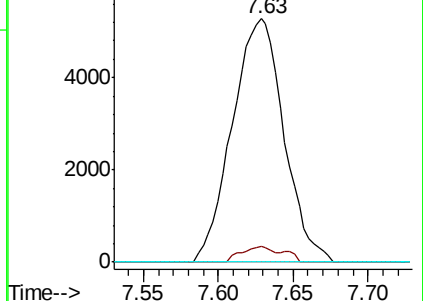


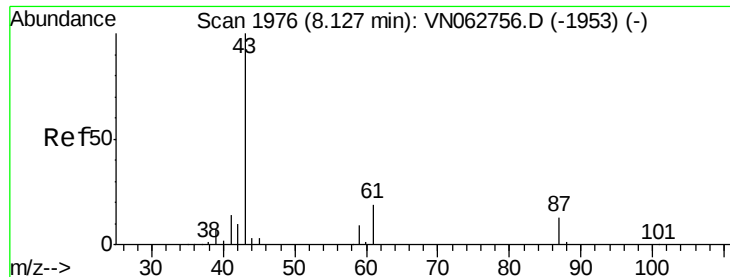
Abundance Ion 116.80 (116.50 to 117.50): VN062923.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN062923.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN062923.D (-1761) (-)

7.63





#43

Isopropyl Acetate

Concen: 8.547 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.16 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081220

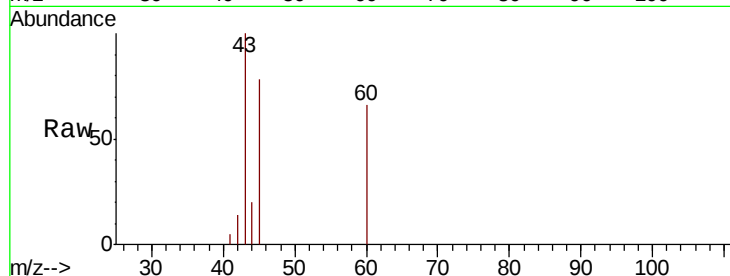
Tot Ion: 43 Resp: 31723

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 9.9 14.9#

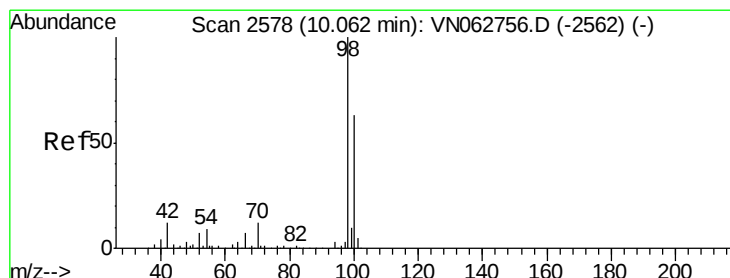
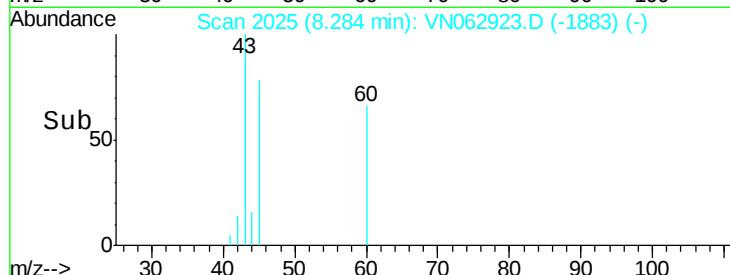


Abundance Ion 43.00 (42.70 to 43.70): VN062923.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062923.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062923.D (-1883) (-)

Time-->



#50

Toluene-d8

Concen: 46.925 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062923.D

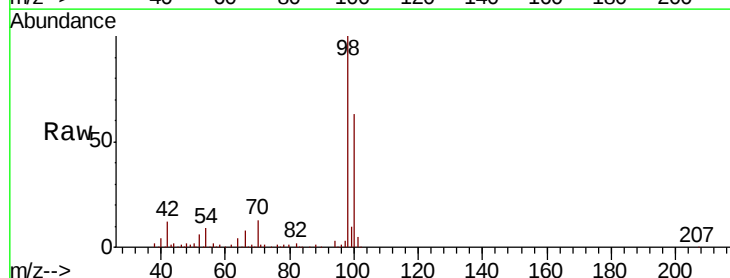
Acq: 13 Aug 2020 20:31

Tgt Ion: 98 Resp: 274174

Ion Ratio Lower Upper

98 100

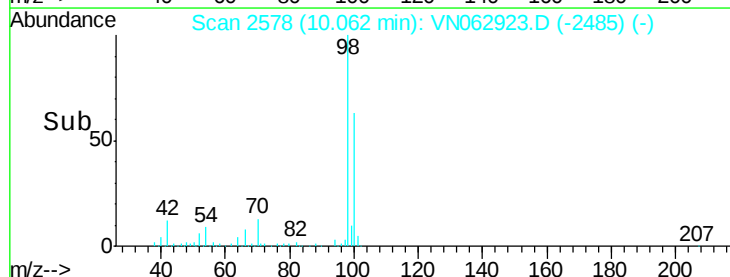
100 63.2 50.9 76.3

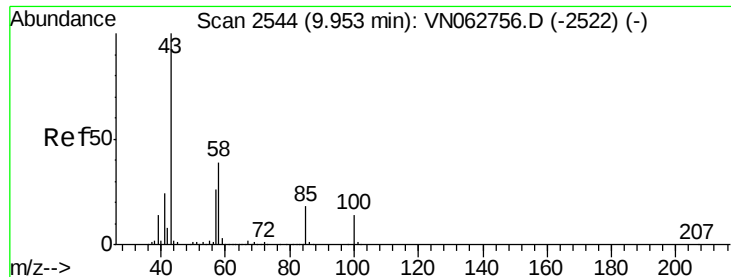


Abundance Ion 98.00 (97.70 to 98.70): VN062923.D (-2485) (-)

Ion 100.00 (99.70 to 100.70): VN062923.D (-2485) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.951 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

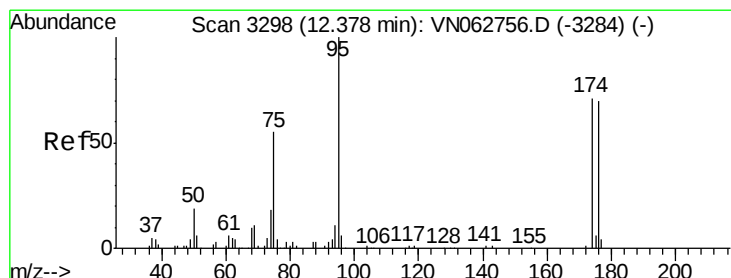
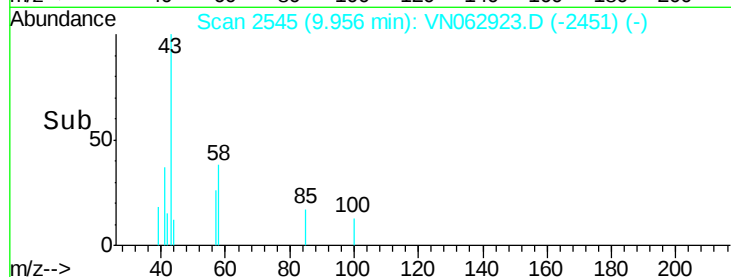
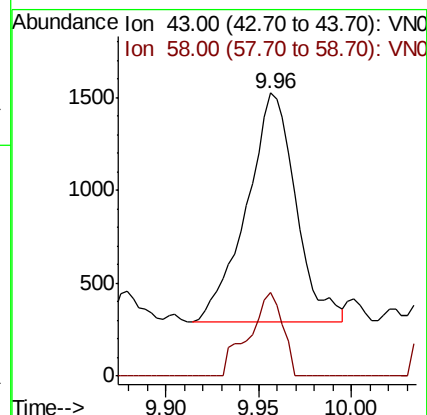
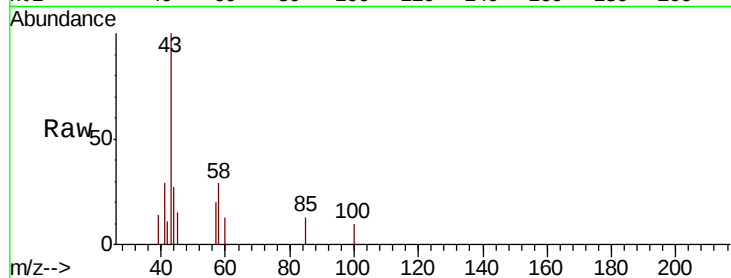
TR-04-081220

Tot Ion: 43 Resp: 2284

Ion Ratio Lower Upper

43 100

58 24.8 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 44.718 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

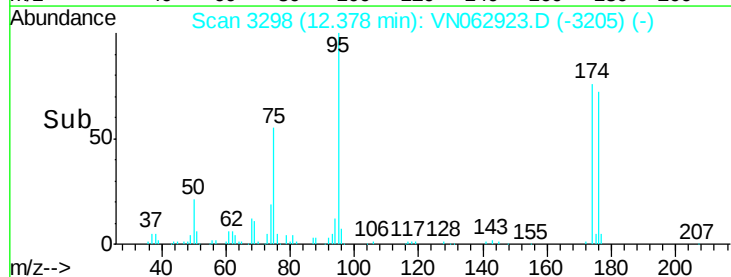
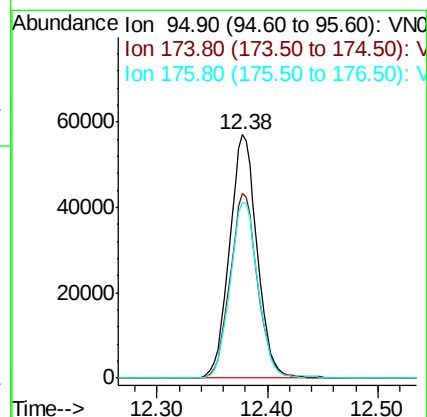
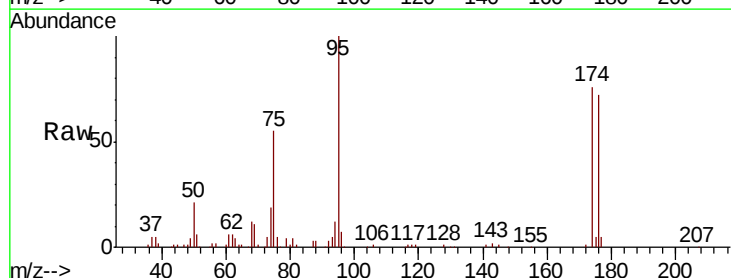
Tgt Ion: 95 Resp: 98737

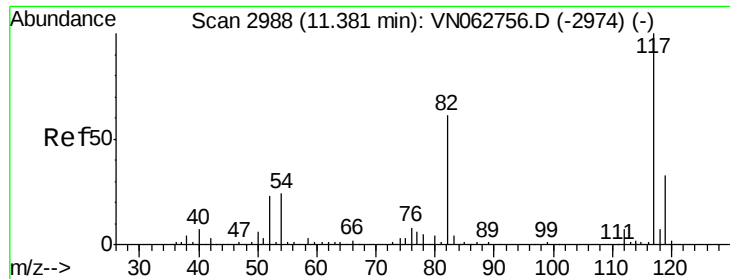
Ion Ratio Lower Upper

95 100

174 75.4 0.0 144.8

176 72.8 0.0 142.2

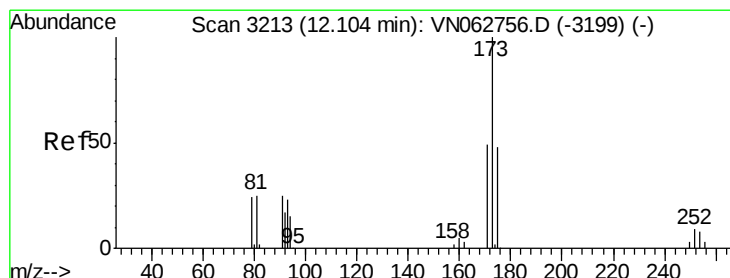
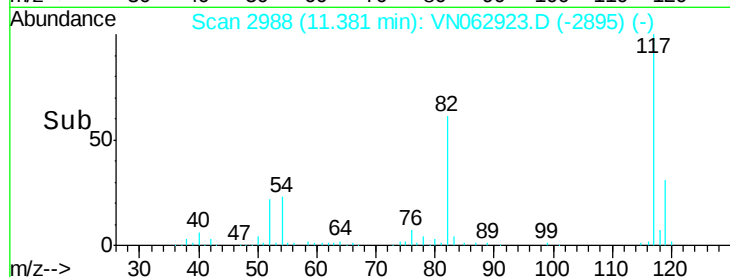
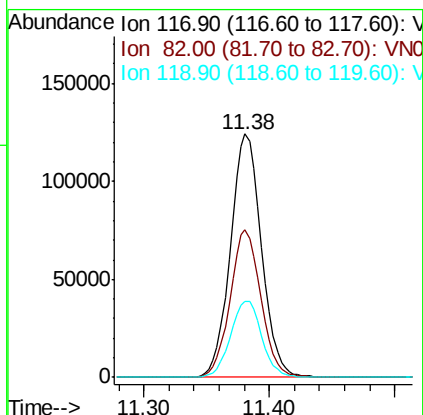
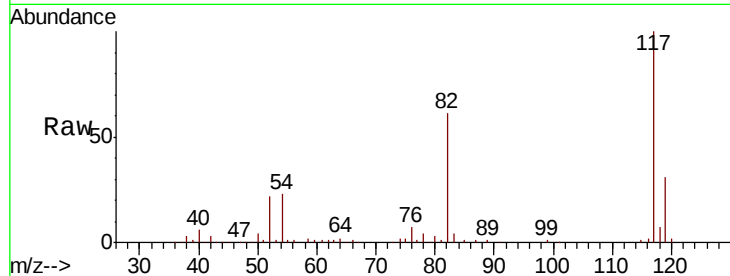




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062923.D
Acq: 13 Aug 2020 20:31

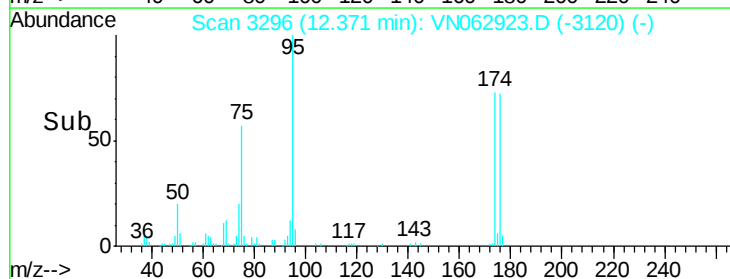
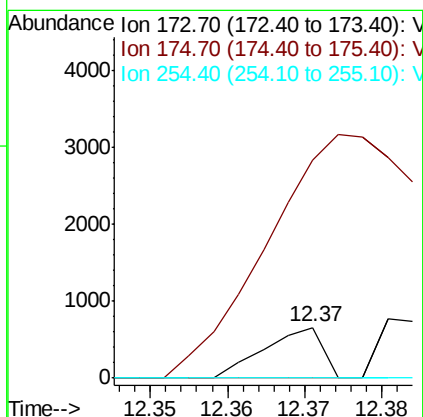
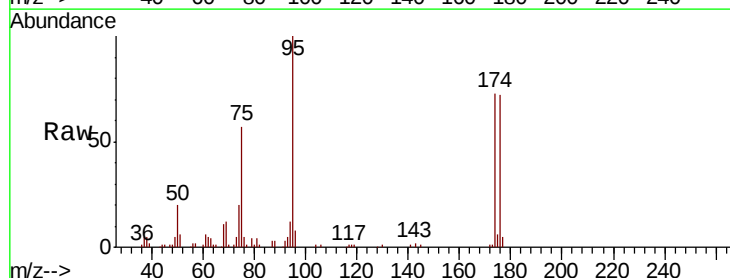
Instrument :
MSVOA_N
ClientSampleId :
TR-04-081220

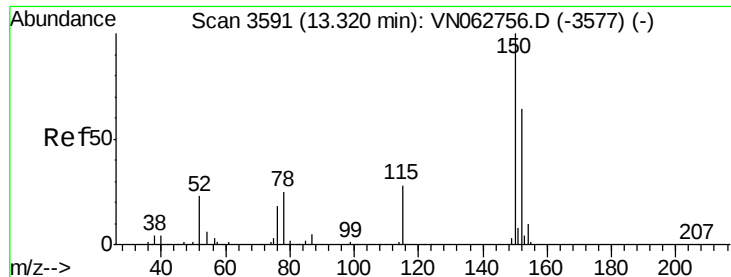
Tot Ion:117 Resp: 212958
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.4
119 31.3 26.2 39.2



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062923.D
Acq: 13 Aug 2020 20:31

Tgt Ion:173 Resp: 347
Ion Ratio Lower Upper
173 100
175 1261.1 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081220

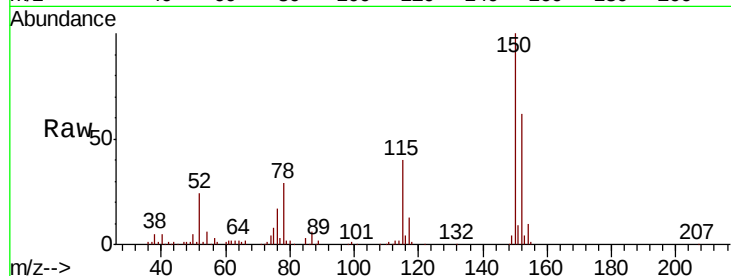
Tot Ion:152 Resp: 77368

Ion Ratio Lower Upper

152 100

115 64.1 31.6 94.8

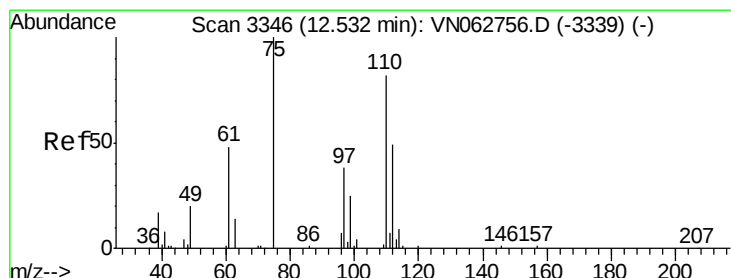
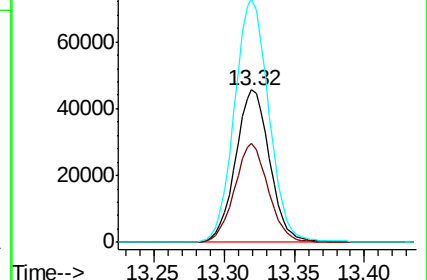
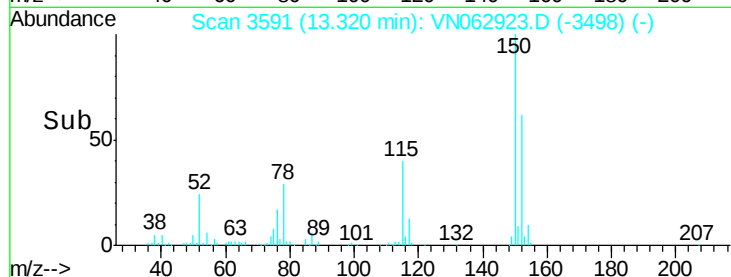
150 161.6 0.0 349.2



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: 25.512 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062923.D

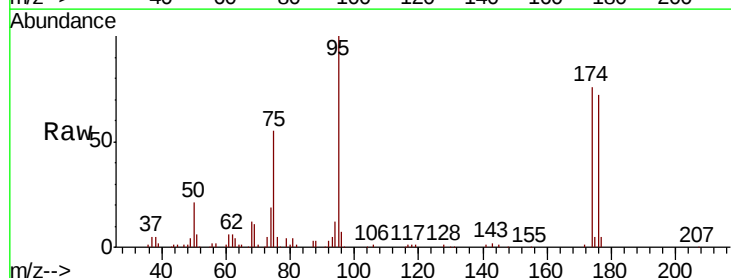
Acq: 13 Aug 2020 20:31

Tgt Ion: 75 Resp: 53232

Ion Ratio Lower Upper

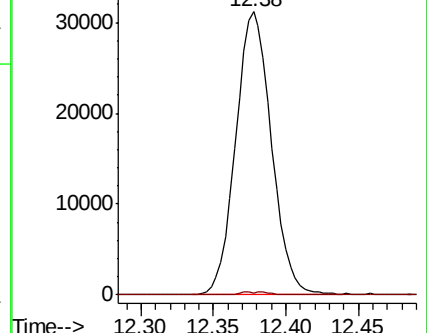
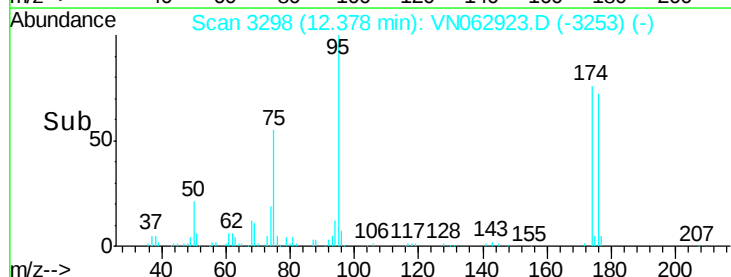
75 100

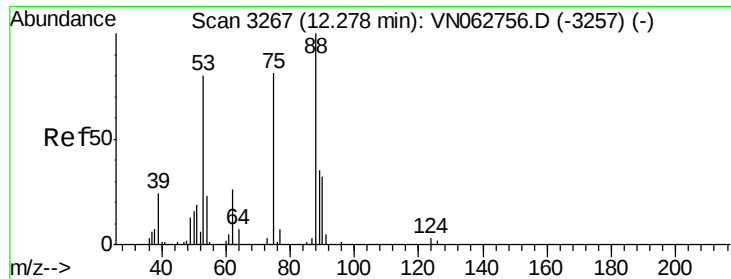
77 0.4 0.0 0.0#



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: 77.882 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062923.D

Acq: 13 Aug 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

TR-04-081220

Tot Ion: 75 Resp: 53232

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

