

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062885.D
 Acq On : 13 Aug 2020 3:32
 Operator : JC/MD
 Sample : PB130908ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#15

Quant Time: Aug 13 05:29:44 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	122574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	212977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	234548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81158	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	105289	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
35) Dibromofluoromethane	7.55	113	75426	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
50) Toluene-d8	10.06	98	301577	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.38	95	102239	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

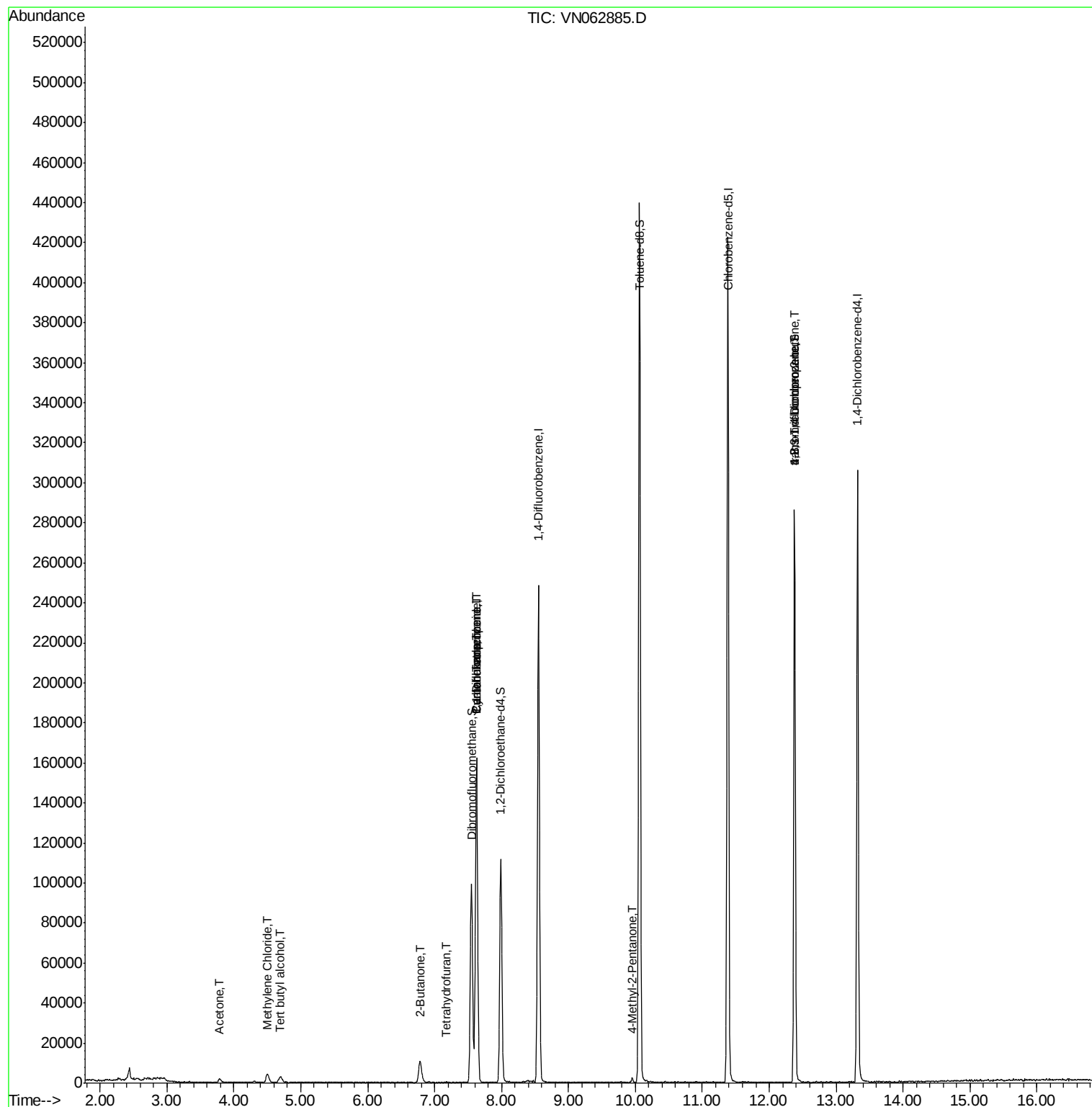
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	3345	10.069	ug/l #	72
16) Acetone	3.78	43	3602	4.918	ug/l	98
18) Methyl Acetate	4.29	43	998	Below Cal	#	52
20) Methylene Chloride	4.50	84	3720	2.046	ug/l	94
25) 2-Butanone	6.78	43	805	0.776	ug/l #	49
29) Tetrahydrofuran	7.18	42	369	0.548	ug/l #	47
31) Cyclohexane	7.63	56	2724	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10996	5.302	ug/l #	48
38) Carbon Tetrachloride	7.62	117	13730	5.598	ug/l #	14
51) 4-Methyl-2-Pentanone	9.95	43	2002	0.856	ug/l #	76
76) 1,2,3-Trichloropropane	12.38	75	55085	25.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55085	76.829	ug/l #	10

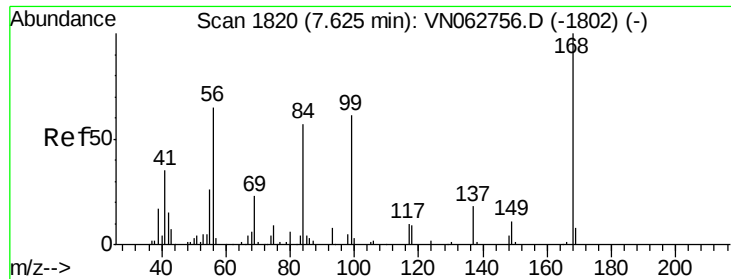
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

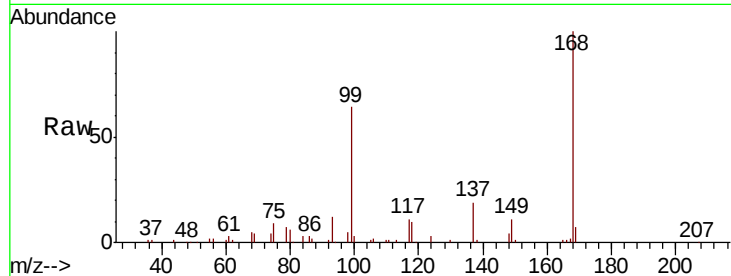
PB130908ZHE#15

Tot Ion:168 Resp: 122574

Ion Ratio Lower Upper

168 100

99 64.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

60000

50000

40000

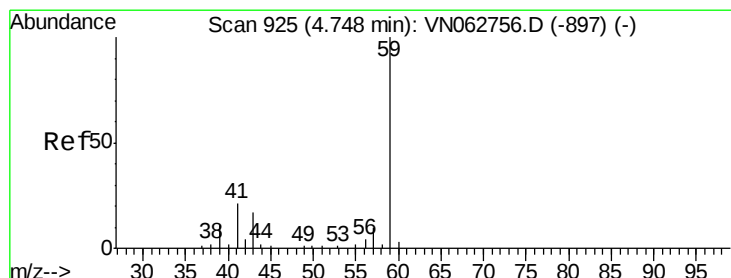
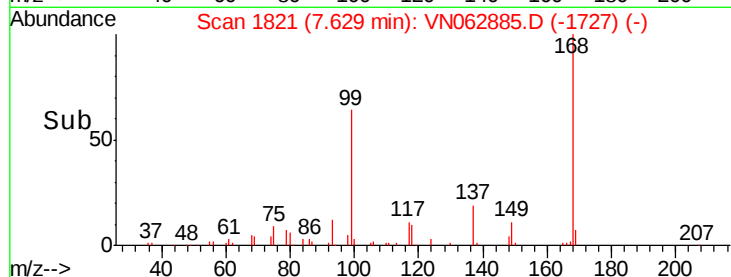
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.069 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.06 min

Lab File: VN062885.D

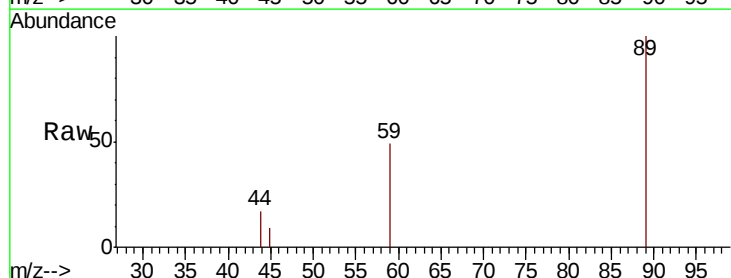
Acq: 13 Aug 2020 3:32

Tgt Ion: 59 Resp: 3345

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062756.D (-897) (-)

Ion 57.00 (56.70 to 57.70): VN062756.D (-897) (-)

4.69

1000

800

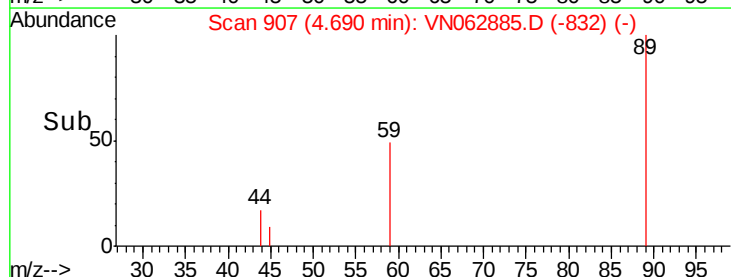
600

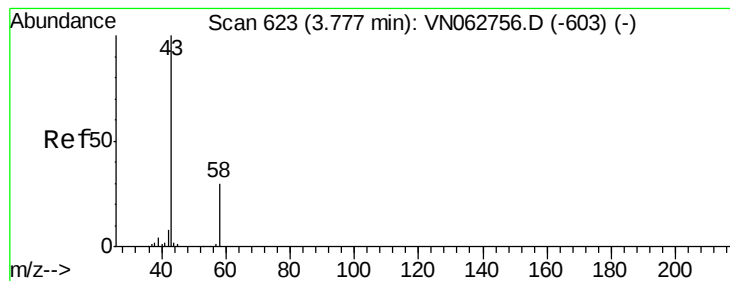
400

200

0

Time-->





#16

Acetone

Concen: 4.918 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

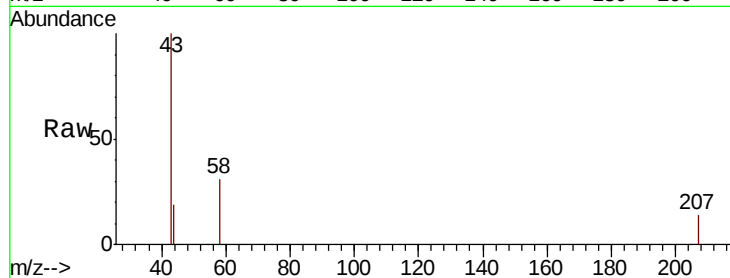
PB130908ZHE#15

Tot Ion: 43 Resp: 3602

Ion Ratio Lower Upper

43 100

58 31.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-603) (-)

3.78

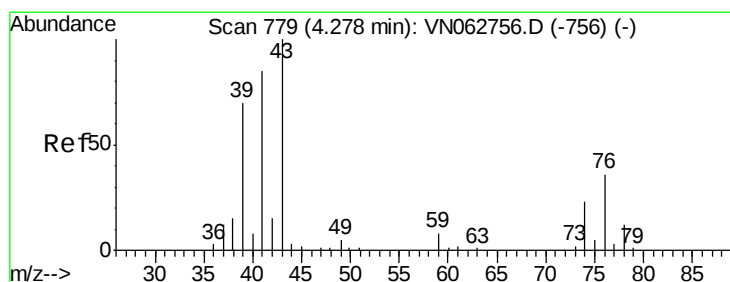
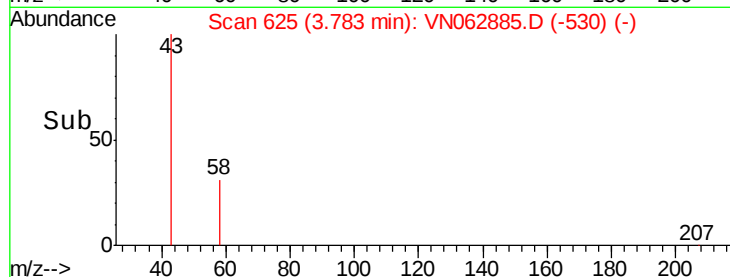
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 784

Delta R.T. 0.02 min

Lab File: VN062885.D

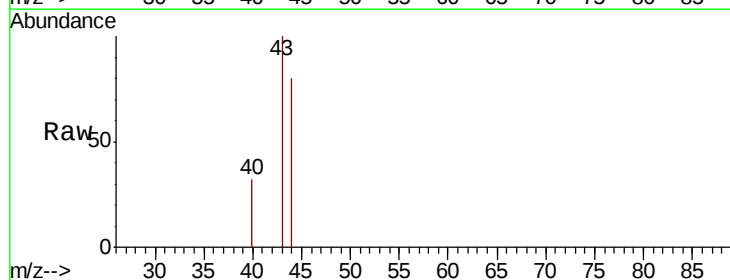
Acq: 13 Aug 2020 3:32

Tgt Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

Ion 74.00 (73.70 to 74.70): VN062756.D (-756) (-)

4.29

500

400

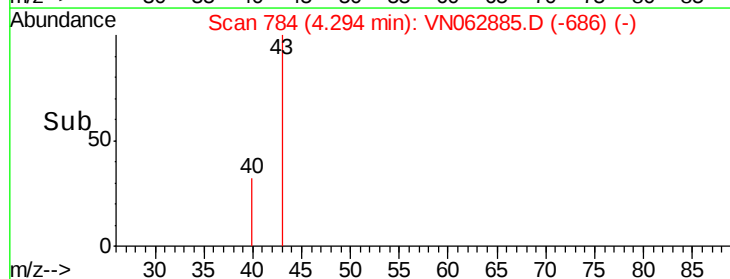
300

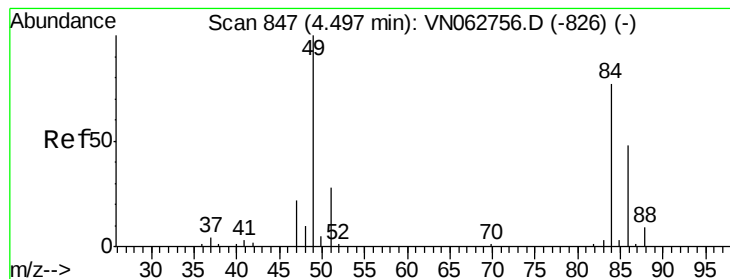
200

100

0

Time-->





#20

Methvlene Chloride

Concen: 2.046 ug/l

RT: 4.50 min Scan# 848

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#15

Tot Ion: 84 Resp: 3720

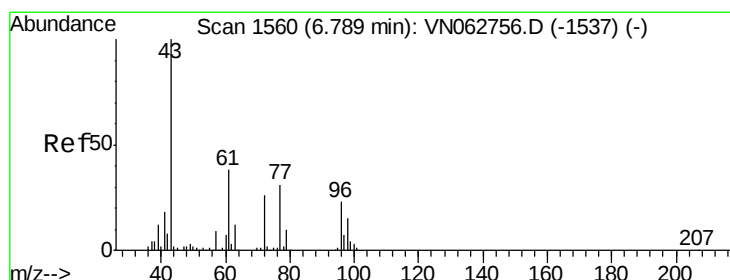
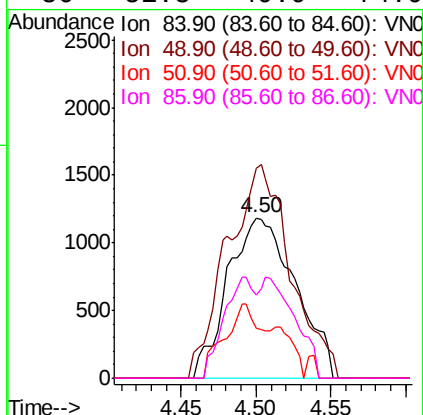
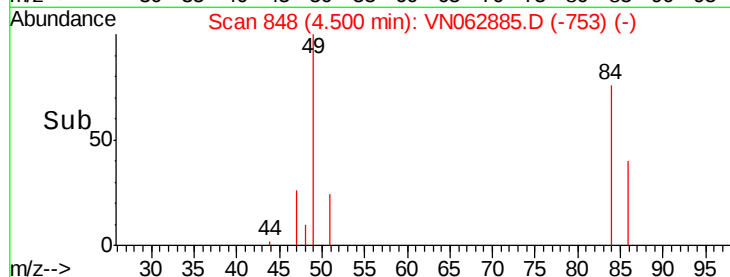
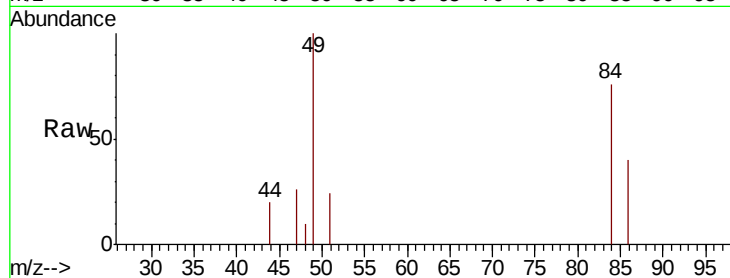
Ion Ratio Lower Upper

84 100

49 130.9 103.4 155.2

51 31.4 29.3 43.9

86 51.8 49.9 74.9



#25

2-Butanone

Concen: 0.776 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN062885.D

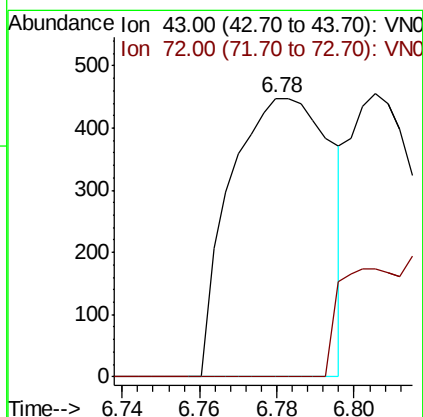
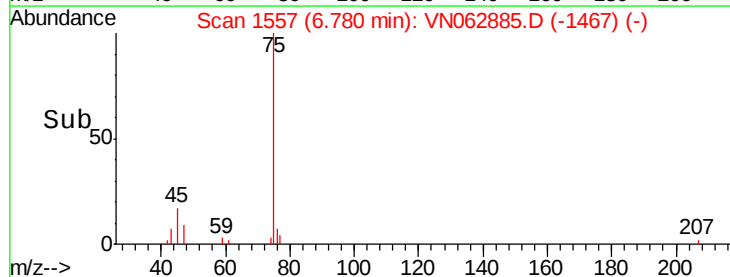
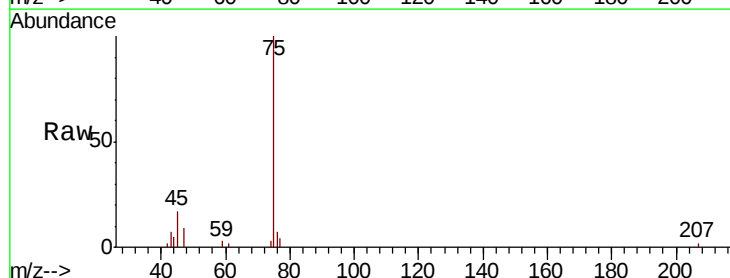
Acq: 13 Aug 2020 3:32

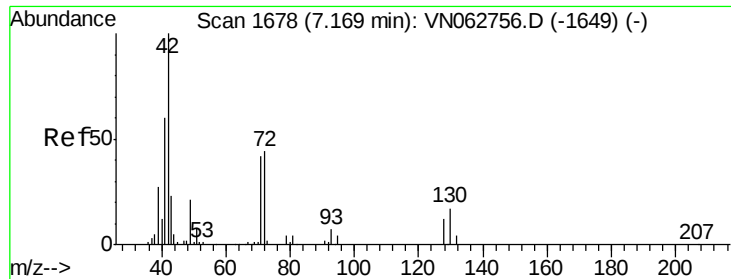
Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.548 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#15

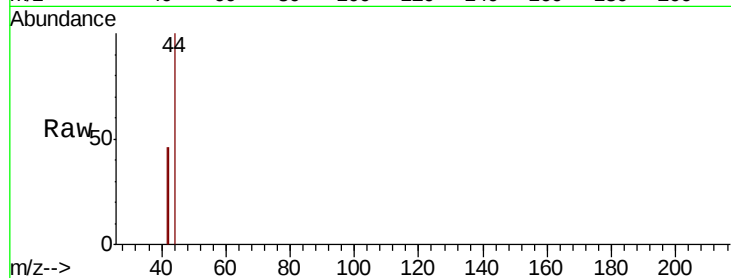
Tot Ion: 42 Resp: 369

Ion Ratio Lower Upper

42 100

72 17.6 35.0 52.4#

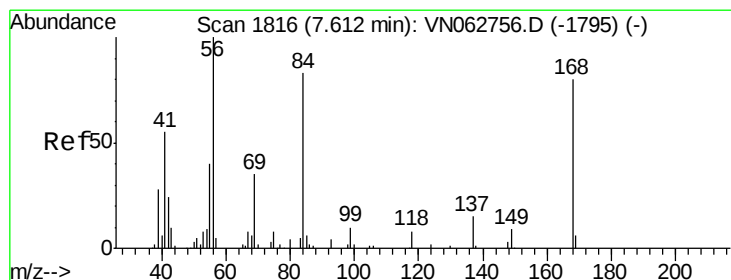
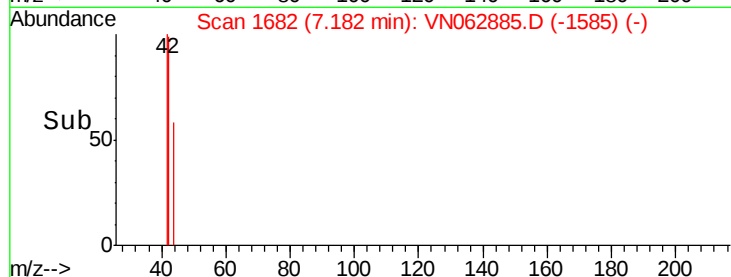
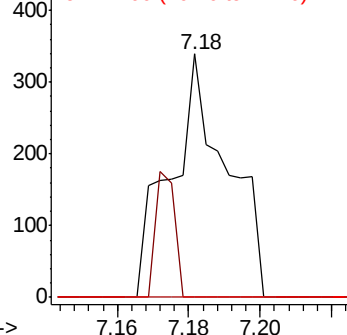
71 0.0 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

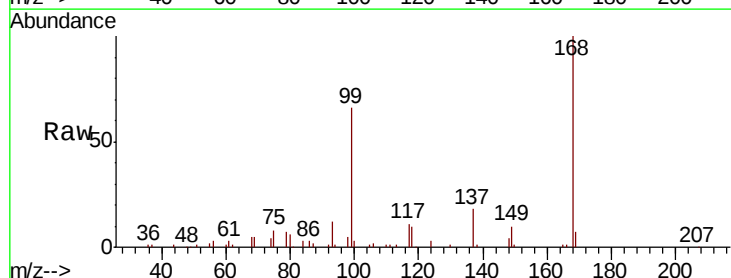
Tgt Ion: 56 Resp: 2724

Ion Ratio Lower Upper

56 100

69 196.9 28.1 42.1#

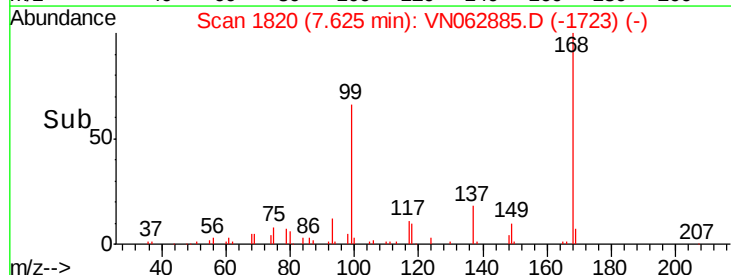
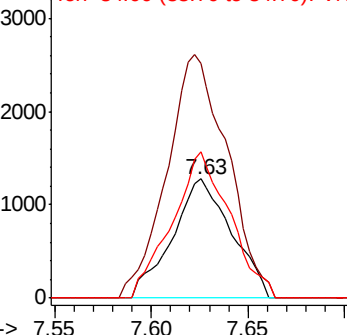
84 122.4 66.8 100.2#

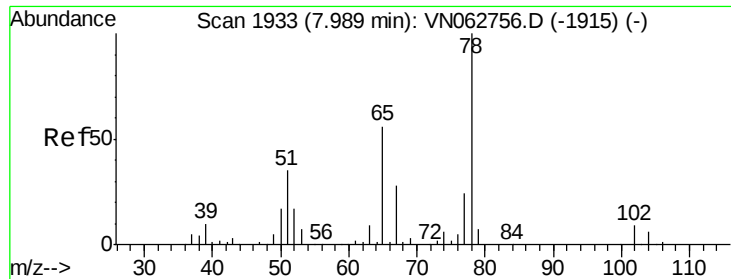


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.944 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

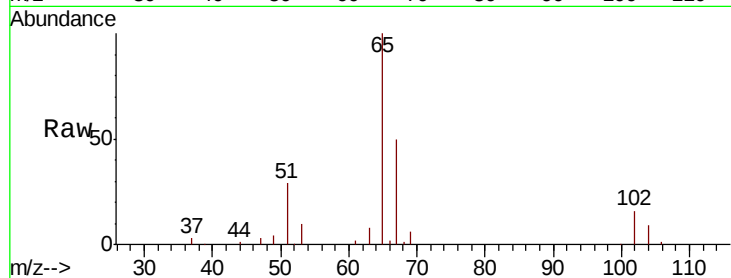
PB130908ZHE#15

Tot Ion: 65 Resp: 105289

Ion Ratio Lower Upper

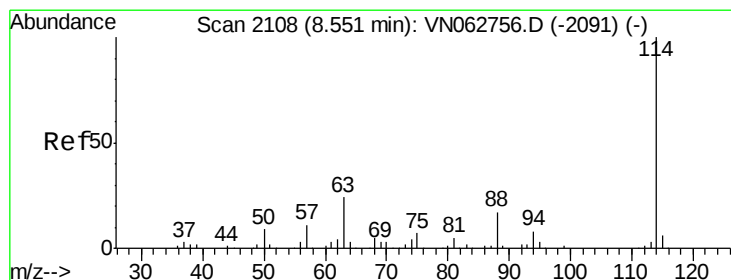
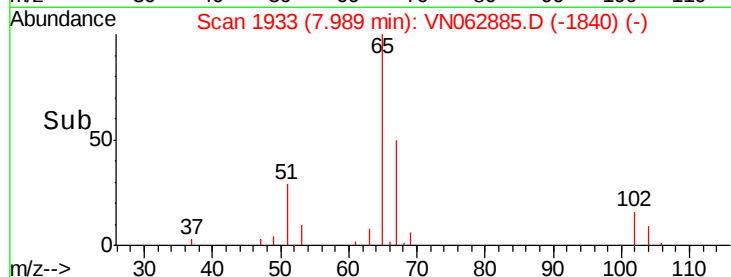
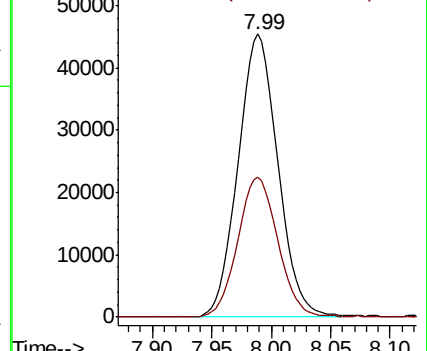
65 100

67 49.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

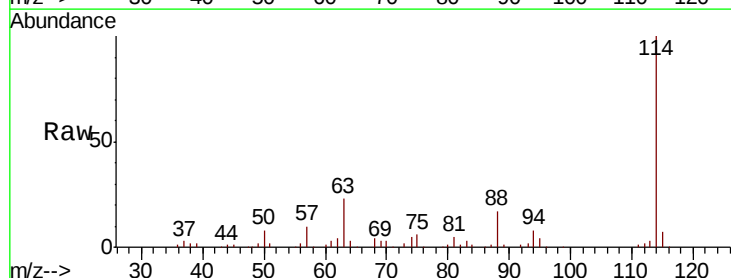
Tgt Ion: 114 Resp: 212977

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.6

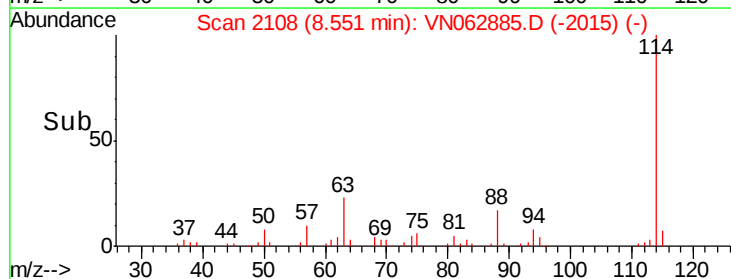
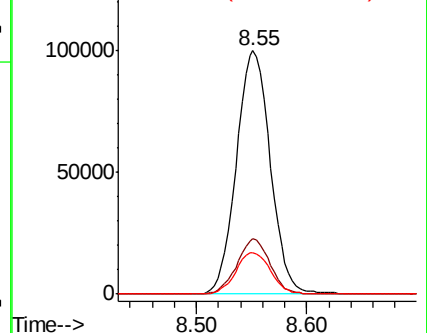
88 17.2 0.0 34.4

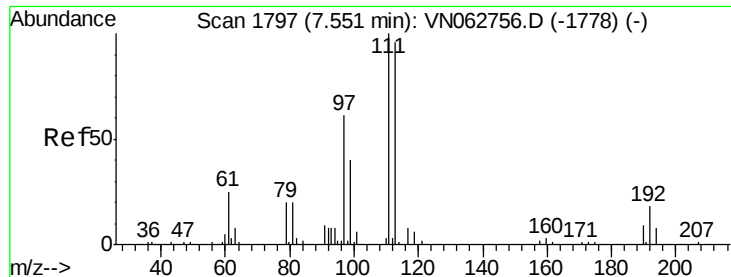


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

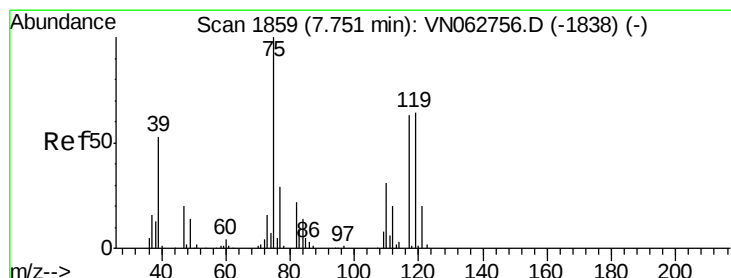
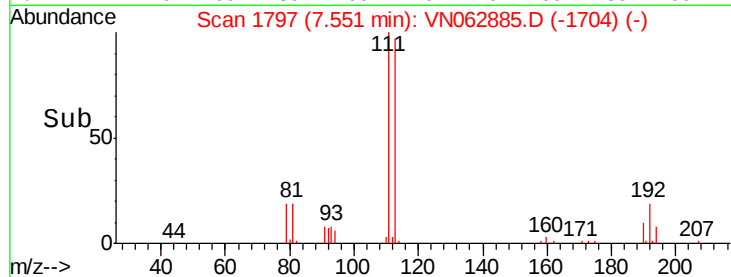
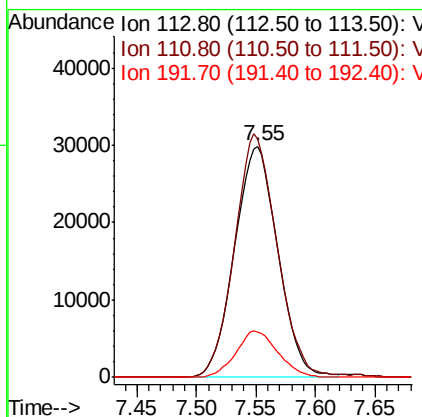
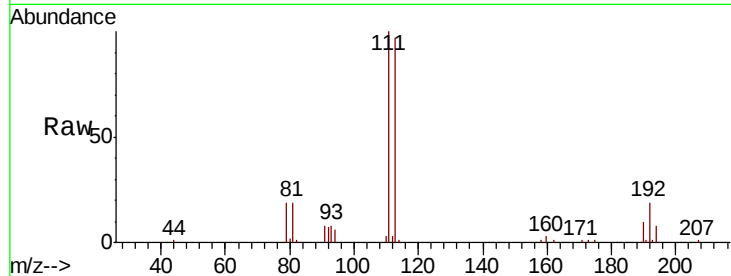




#35
 Dibromofluoromethane
 Concen: 51.772 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062885.D
 Acq: 13 Aug 2020 3:32

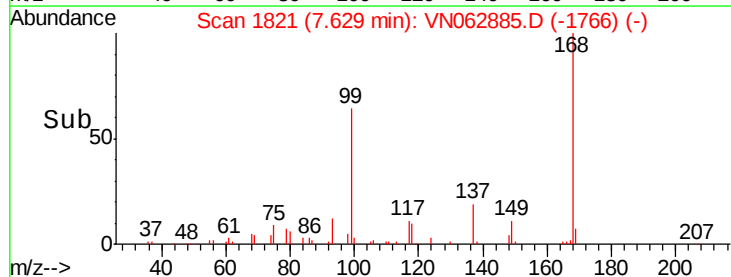
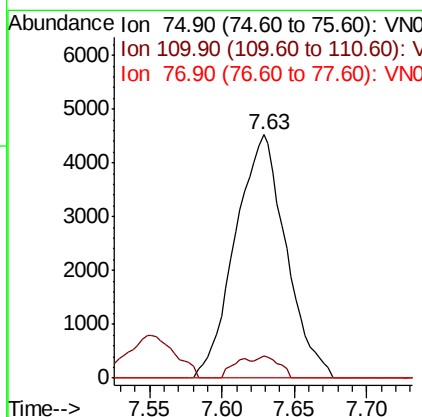
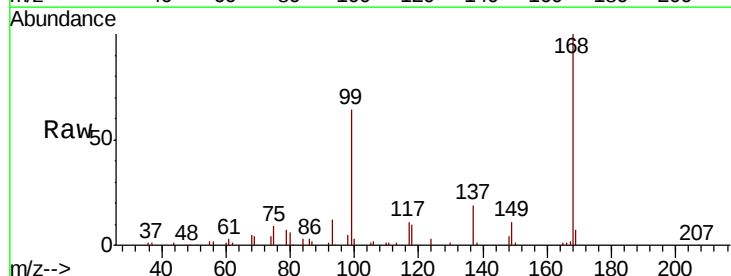
Instrument :
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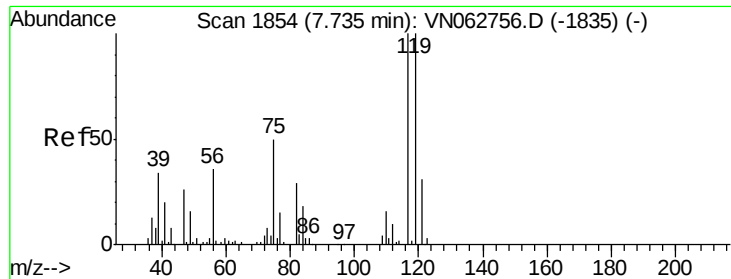
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	19.3	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 5.302 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062885.D
 Acq: 13 Aug 2020 3:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.9	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.598 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#15

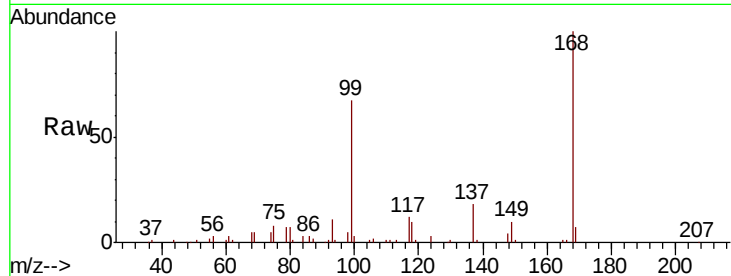
Tot Ion:117 Resp: 13730

Ion Ratio Lower Upper

117 100

119 4.6 79.4 119.2#

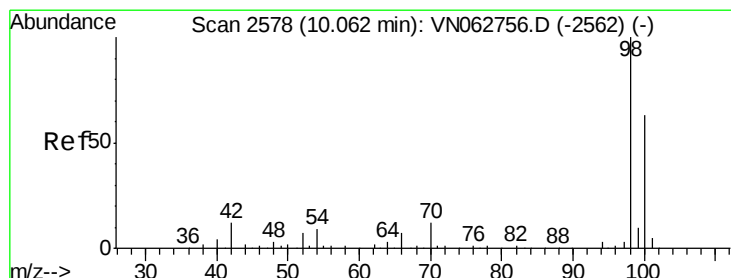
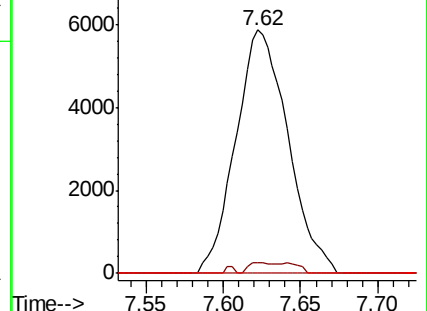
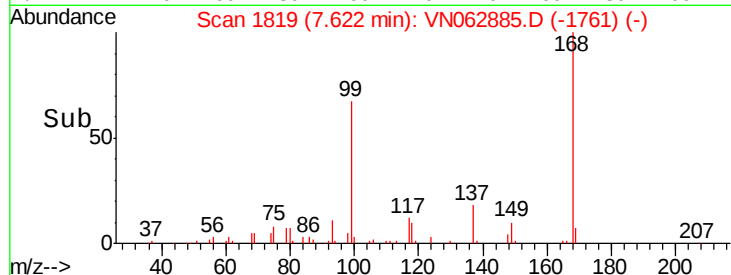
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 53.022 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062885.D

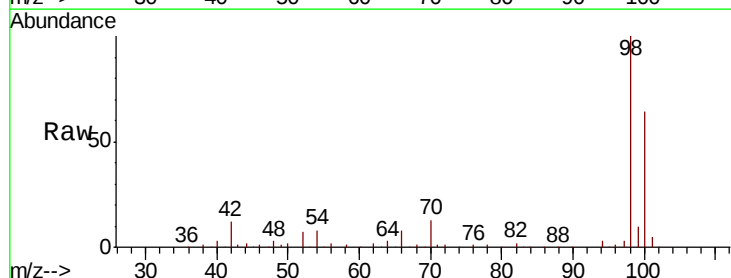
Acq: 13 Aug 2020 3:32

Tgt Ion: 98 Resp: 301577

Ion Ratio Lower Upper

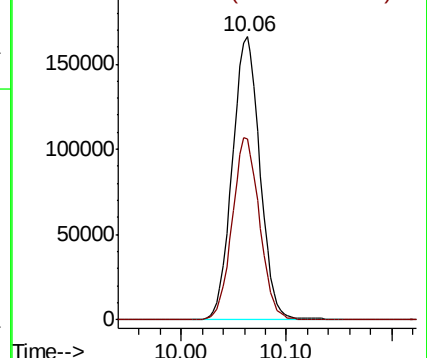
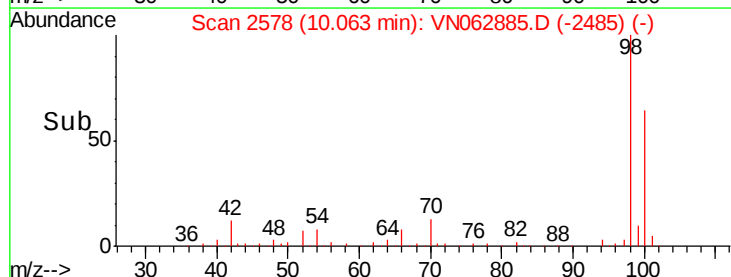
98 100

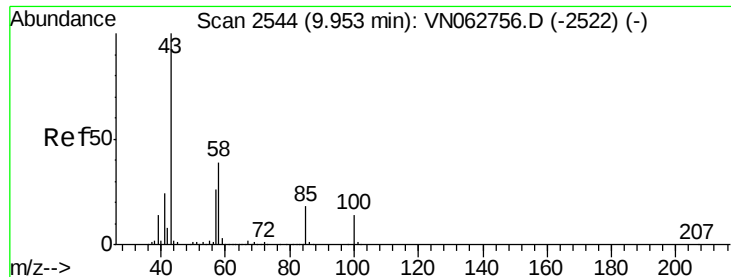
100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.856 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

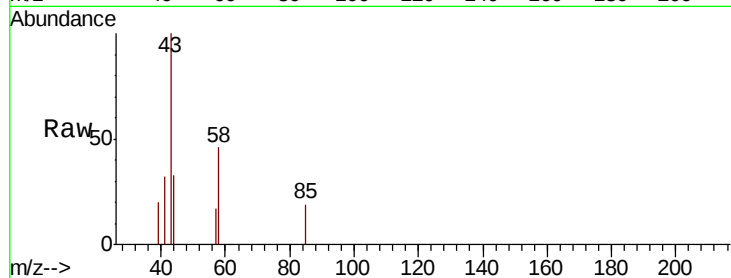
PB130908ZHE#15

Tot Ion: 43 Resp: 2002

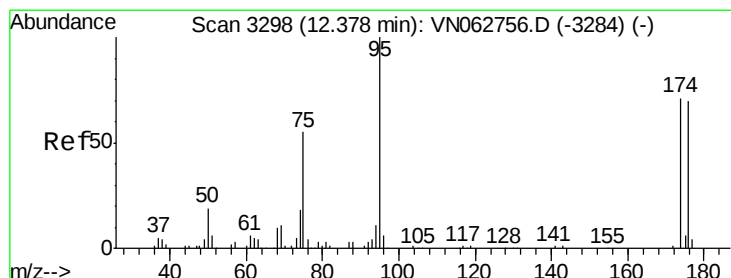
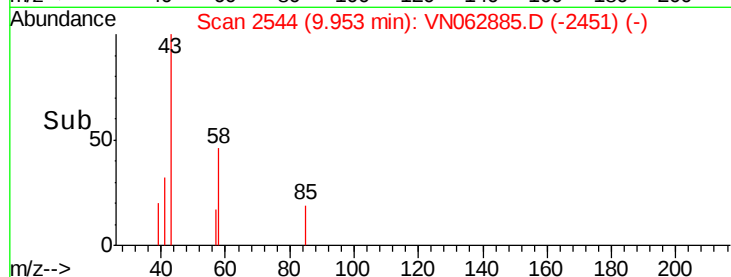
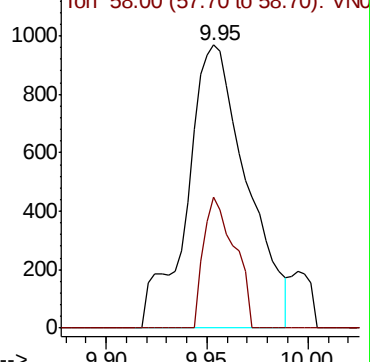
Ion Ratio Lower Upper

43 100

58 24.2 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)



#62

4-Bromofluorobenzene

Concen: 47.566 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

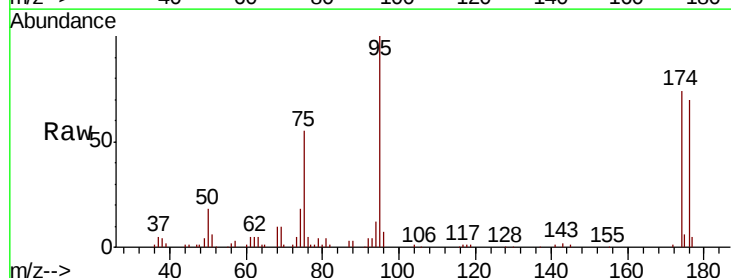
Tgt Ion: 95 Resp: 102239

Ion Ratio Lower Upper

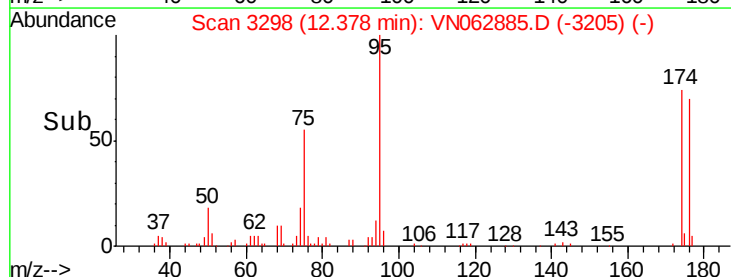
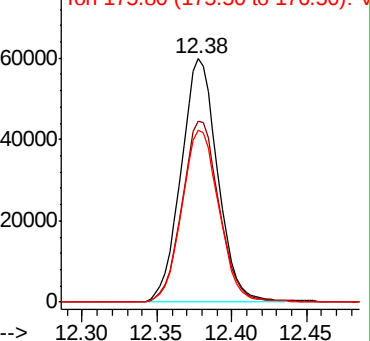
95 100

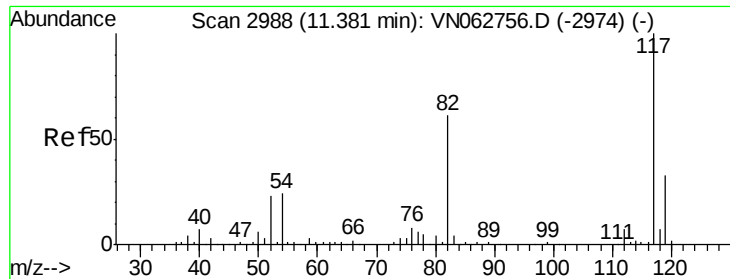
174 75.5 0.0 144.8

176 71.4 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#15

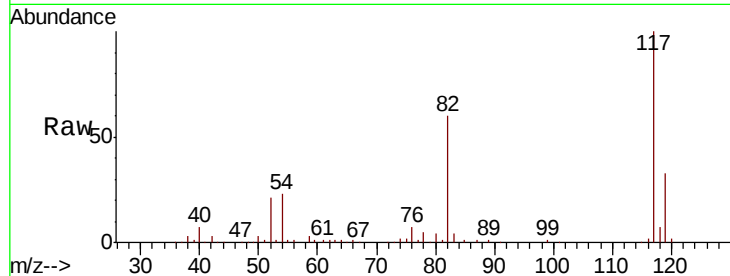
Tot Ion:117 Resp: 234548

Ion Ratio Lower Upper

117 100

82 60.3 49.0 73.4

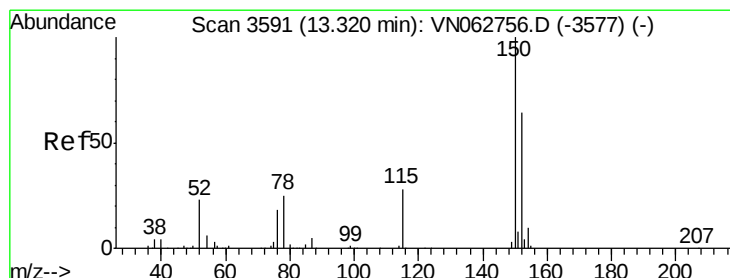
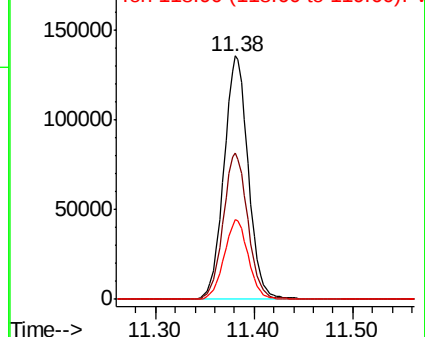
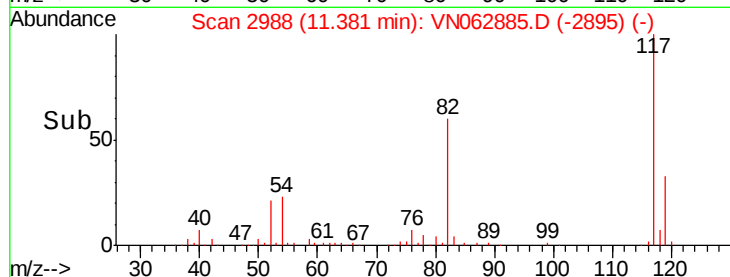
119 32.6 26.2 39.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062885.D

Acq: 13 Aug 2020 3:32

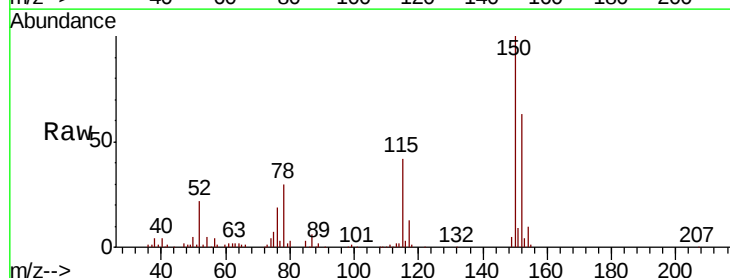
Tgt Ion:152 Resp: 81158

Ion Ratio Lower Upper

152 100

115 64.1 31.6 94.8

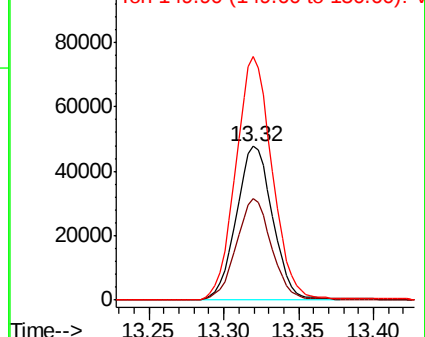
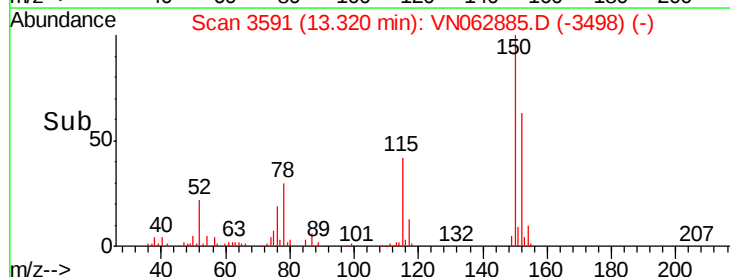
150 158.8 0.0 349.2

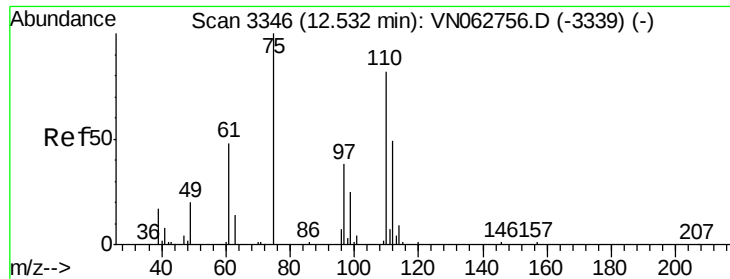


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

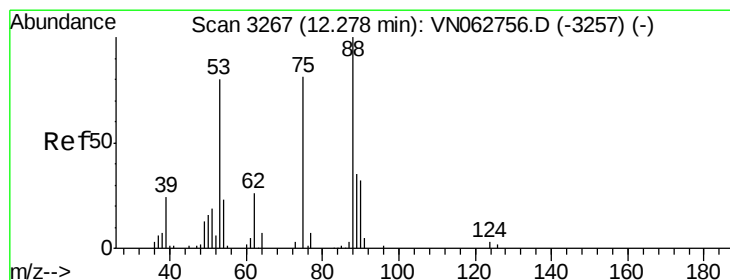
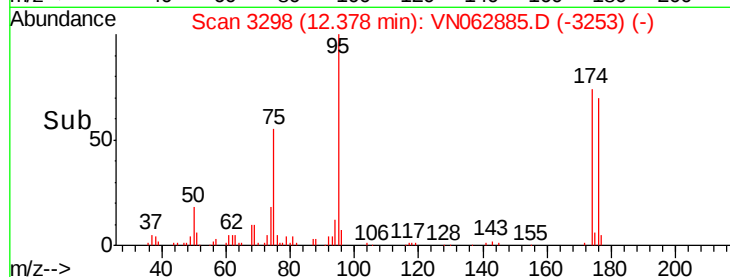
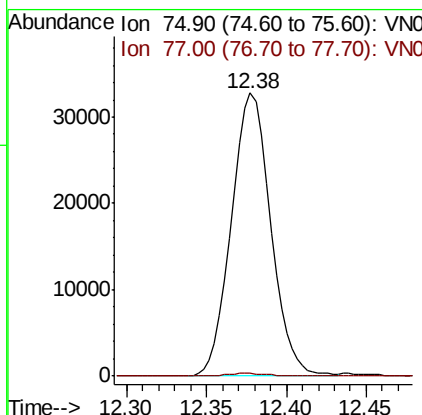
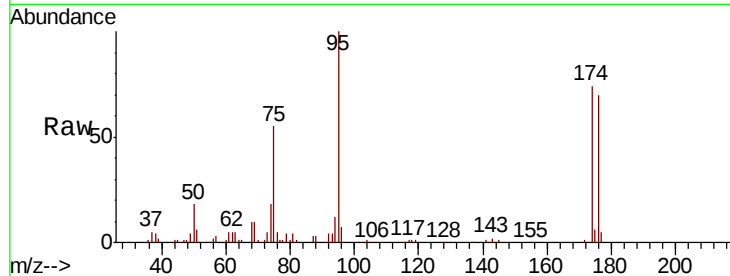




#76
 1,2,3-Trichloropropane
 Concen: 25.167 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062885.D
 Acq: 13 Aug 2020 3:32

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#15

Tot Ion: 75 Resp: 55085
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.829 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062885.D
 Acq: 13 Aug 2020 3:32

Tgt Ion: 75 Resp: 55085
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.1 118.7#
 89 0.0 36.2 54.2#

