

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
 Data File : VN062595.D
 Acq On : 22 Jul 2020 15:11
 Operator : JC/MD
 Sample : PB130365TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130365TB

Quant Time: Jul 23 07:16:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	166689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	292794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	280835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97013	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	133033	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	7.55	113	98354	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	10.06	98	379018	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.38	95	125936	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

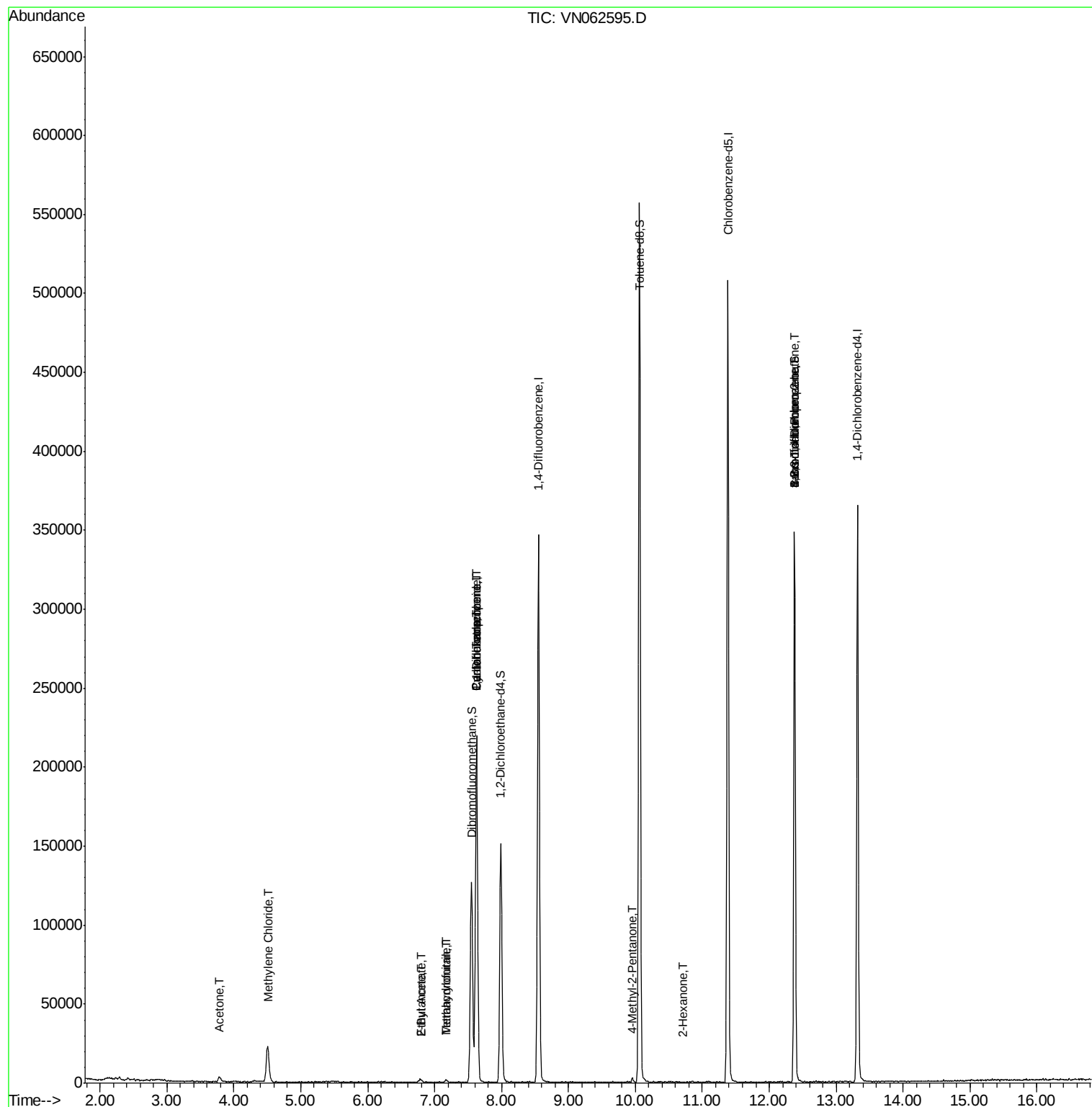
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5634	5.782	ug/l	90
20) Methylene Chloride	4.50	84	16068	6.875	ug/l	97
25) 2-Butanone	6.81	43	1623	1.094	ug/l #	52
29) Tetrahydrofuran	7.17	42	1166	1.161	ug/l #	45
31) Cyclohexane	7.63	56	3833	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	14990	4.803	ug/l #	49
37) Ethyl Acetate	6.81	43	1623	0.482	ug/l #	69
38) Carbon Tetrachloride	7.63	117	17219	5.740	ug/l #	18
41) Methacrylonitrile	7.16	41	349	0.242	ug/l #	30
51) 4-Methyl-2-Pentanone	9.96	43	2329	0.718	ug/l	91
59) 2-Hexanone	10.71	43	33	2.972	ug/l #	26
71) Bromoform	12.38	173	616	0.370	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	68590	27.777	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68590	77.324	ug/l #	12

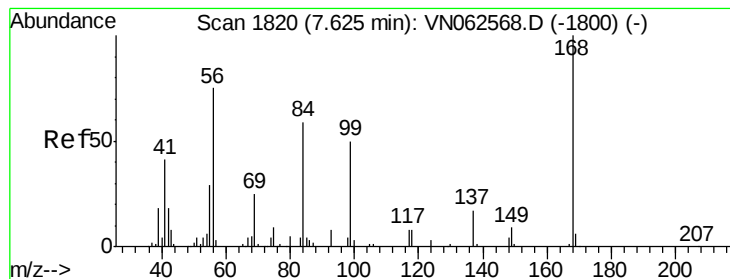
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072220\
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Quant Time: Jul 23 07:16:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

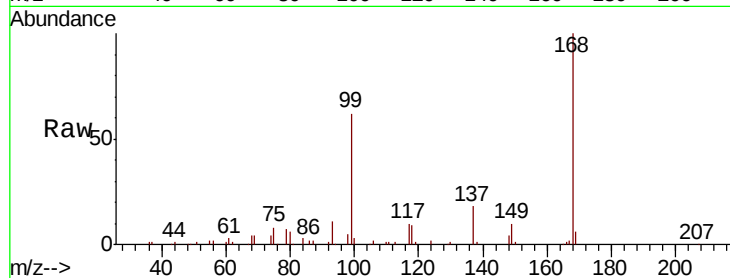
PB130365TB

Tot Ion:168 Resp: 166689

Ion Ratio Lower Upper

168 100

99 61.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

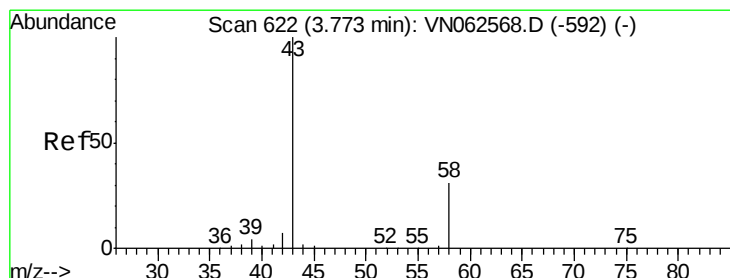
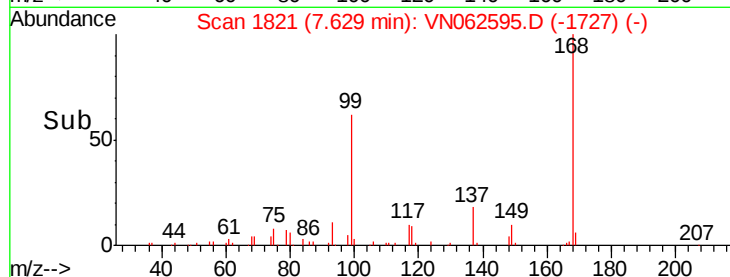
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 5.782 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062595.D

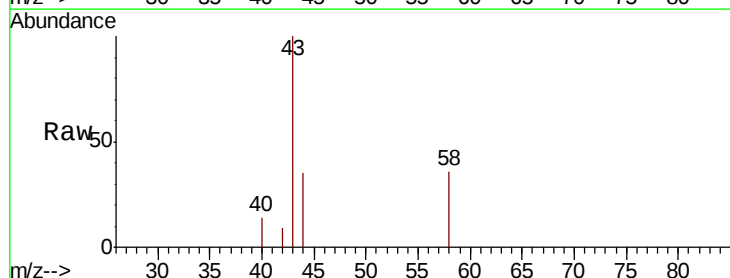
Acq: 22 Jul 2020 15:11

Tgt Ion: 43 Resp: 5634

Ion Ratio Lower Upper

43 100

58 36.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2000

1500

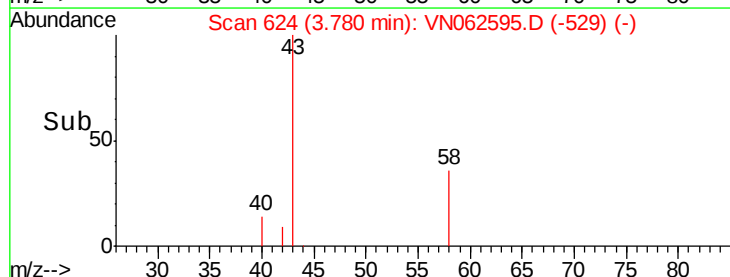
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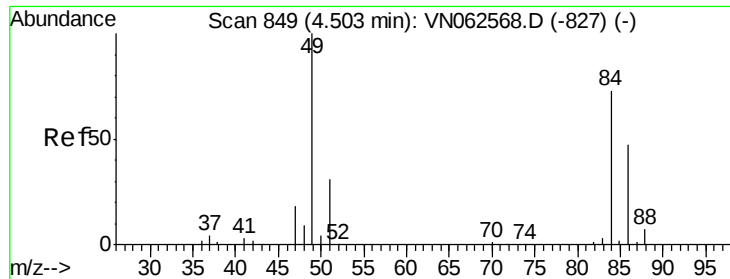
500

0

3.70 3.75 3.80 3.85

Time-->

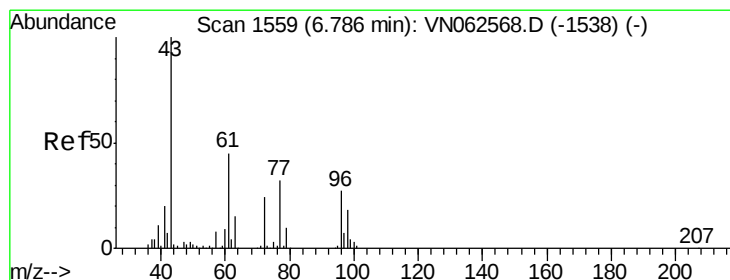
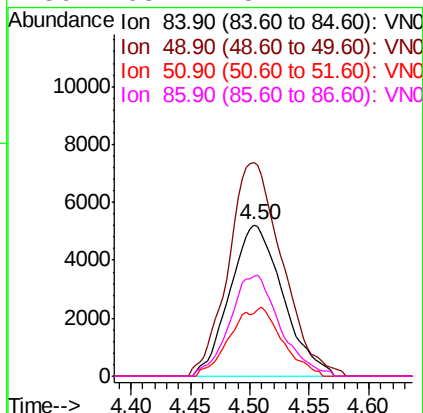
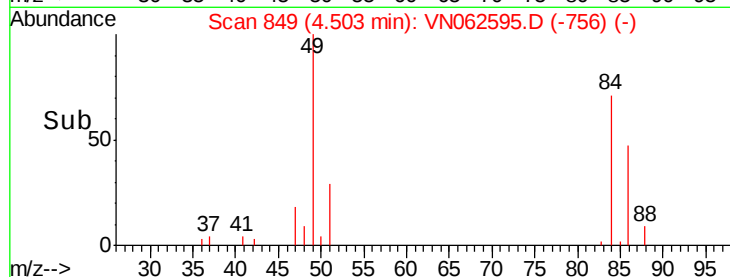
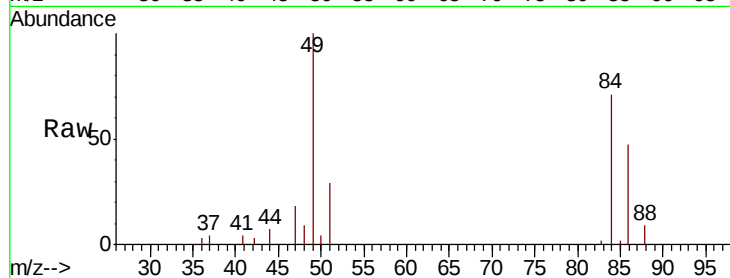




#20
Methvlene Chloride
Concen: 6.875 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

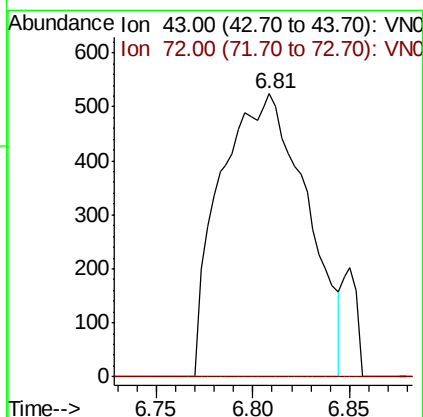
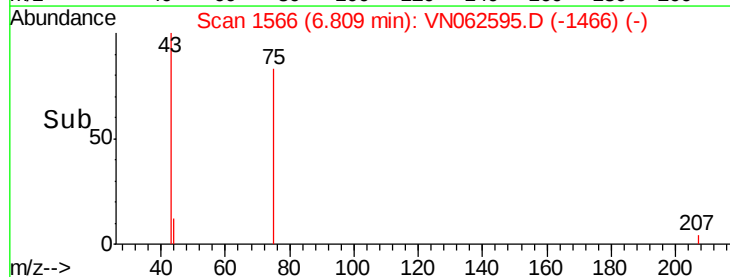
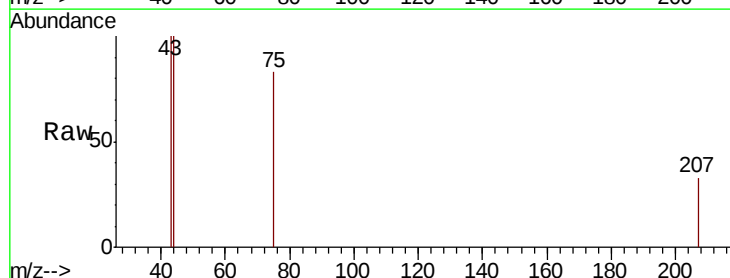
Instrument :
MSVOA_N
ClientSampled :
PB130365TB

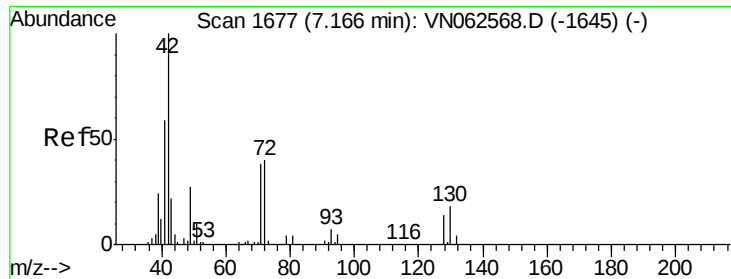
Tot Ion:	84	Resp:	16068
Ion	Ratio	Lower	Upper
84	100		
49	141.0	109.4	164.0
51	41.1	33.6	50.4
86	65.7	51.4	77.2



#25
2-Butanone
Concen: 1.094 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.02 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

Tgt Ion:	43	Resp:	1623
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.6#

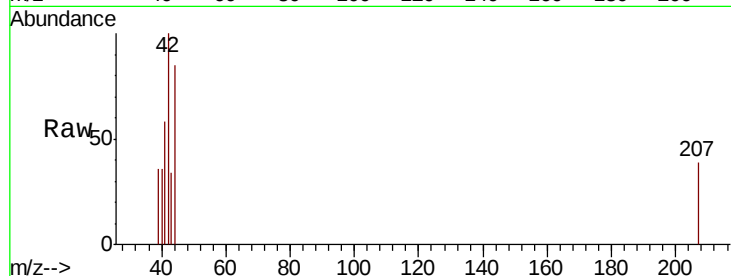




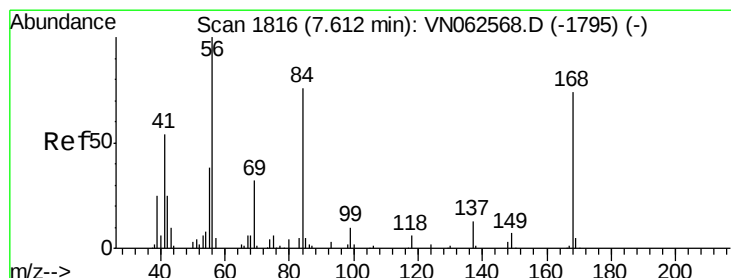
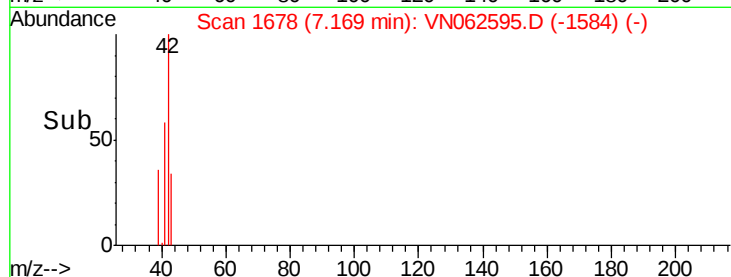
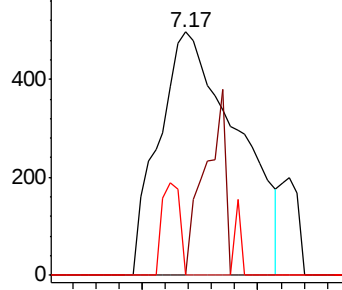
#29
Tetrahydrofuran
Concen: 1.161 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

Instrument :
MSVOA_N
ClientSampleId :
PB130365TB

Tot Ion: 42 Resp: 1166
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 8.7 29.1 43.7#

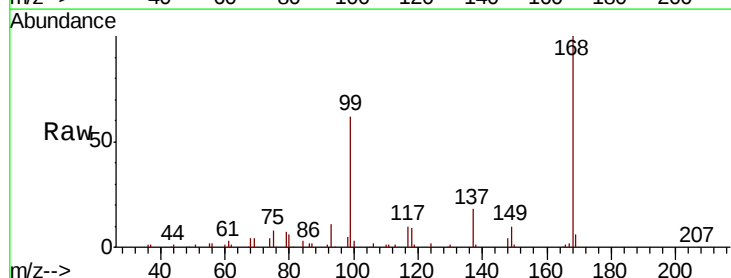


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

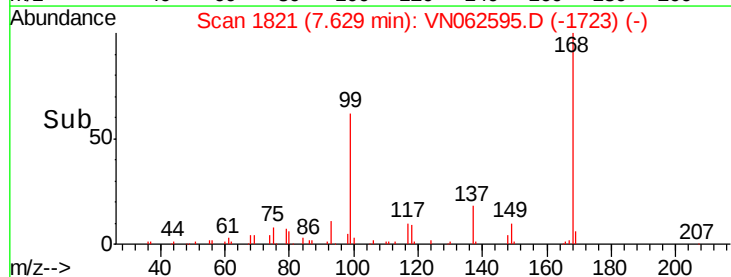
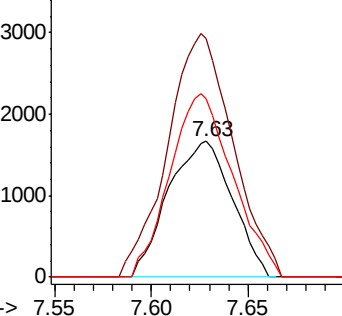


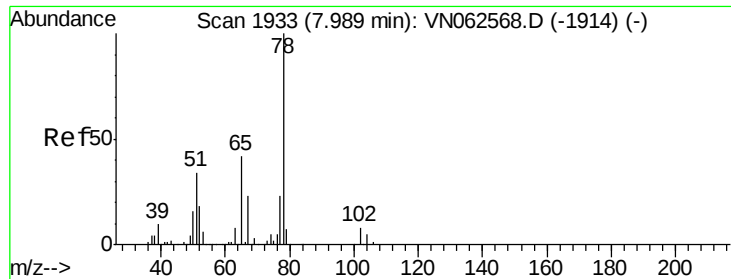
#31
Cyclohexane
Concen: 1.005 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

Tgt Ion: 56 Resp: 3833
Ion Ratio Lower Upper
56 100
69 164.2 25.3 37.9#
84 131.4 61.0 91.4#



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: 51.375 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

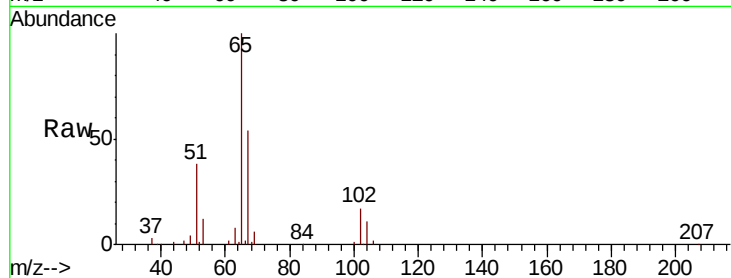
PB130365TB

Tot Ion: 65 Resp: 133033

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)

7.99

60000

50000

40000

30000

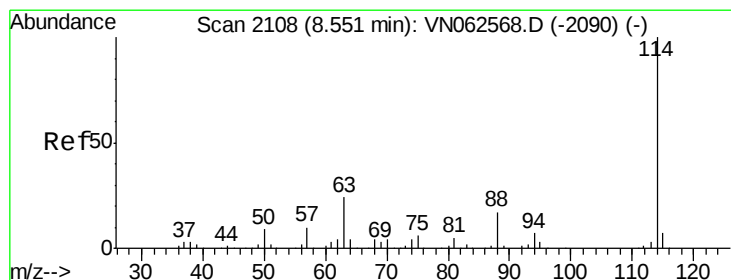
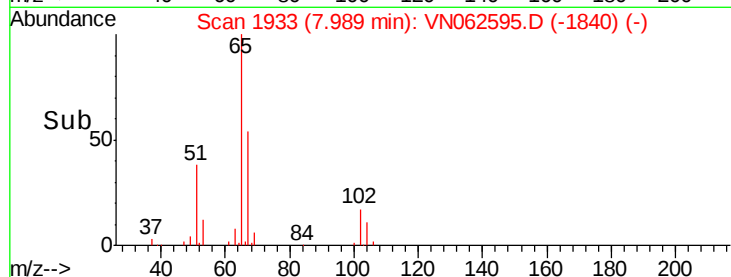
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

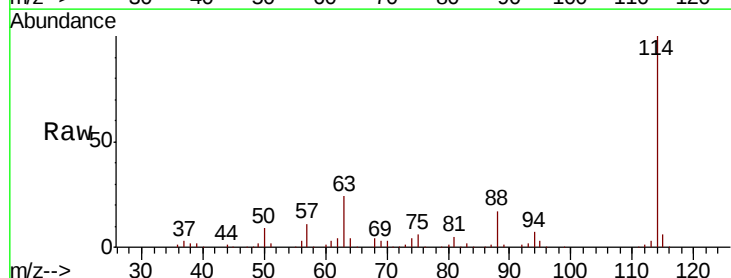
Tgt Ion: 114 Resp: 292794

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.4

88 16.8 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

8.55

150000

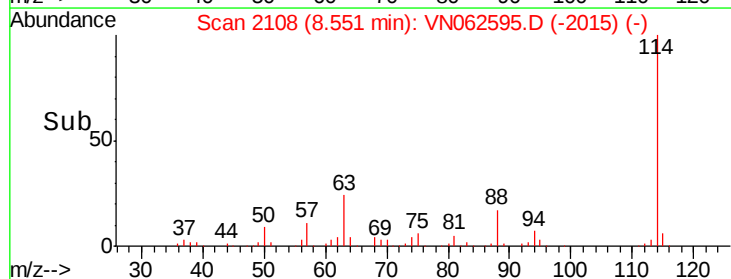
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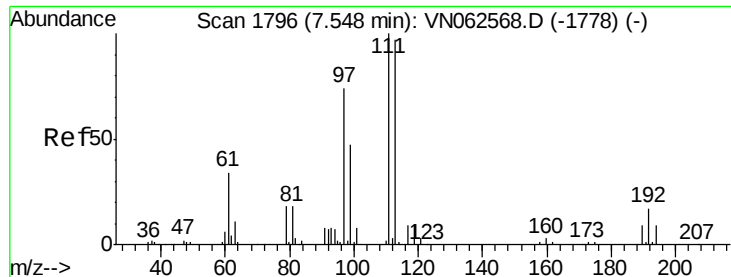
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->





#35

Dibromofluoromethane

Concen: 51.140 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB130365TB

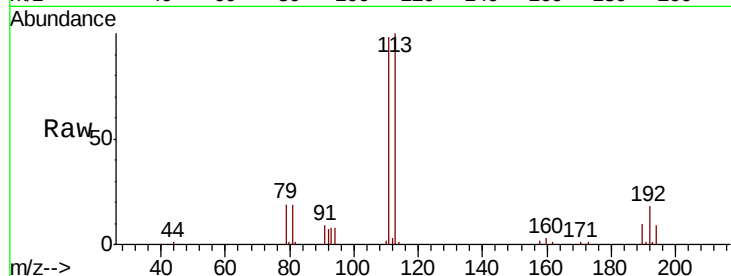
Tot Ion:113 Resp: 98354

Ion Ratio Lower Upper

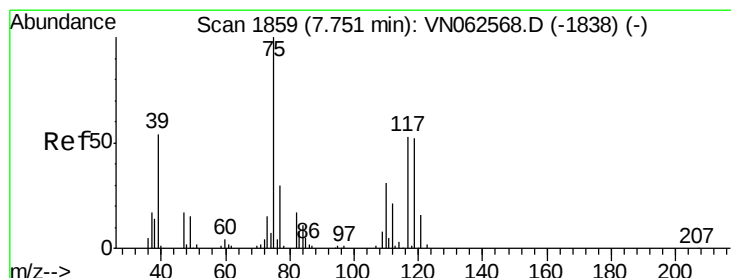
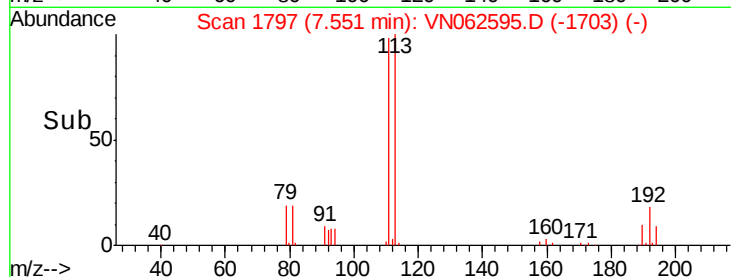
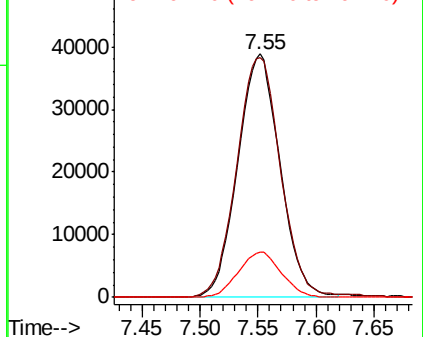
113 100

111 102.0 82.7 124.1

192 18.7 14.8 22.2



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: 4.803 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

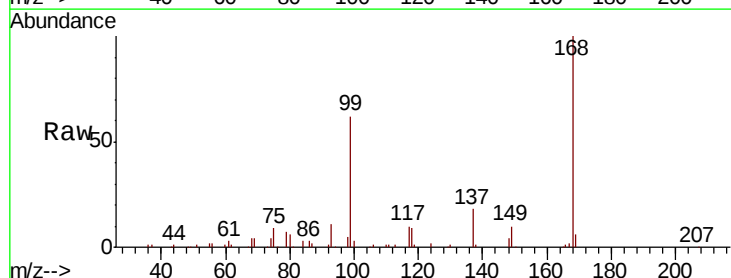
Tgt Ion: 75 Resp: 14990

Ion Ratio Lower Upper

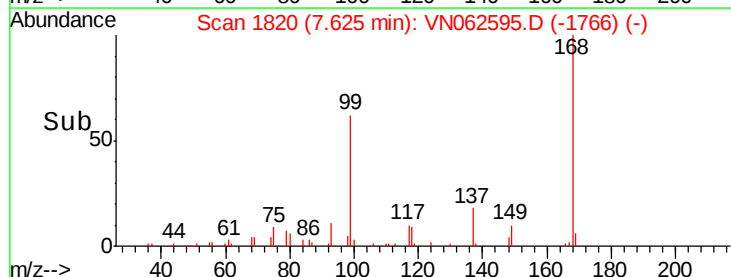
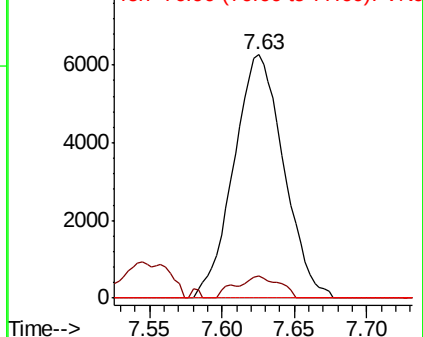
75 100

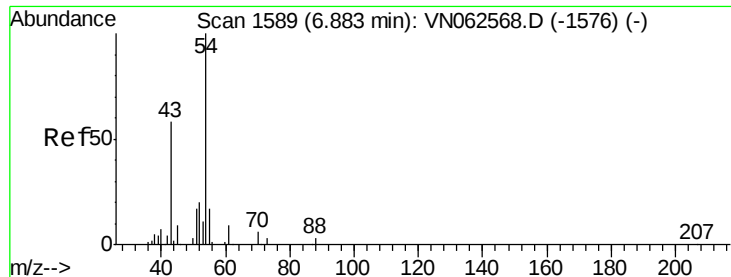
110 5.9 16.0 48.0#

77 0.0 24.6 36.8#



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

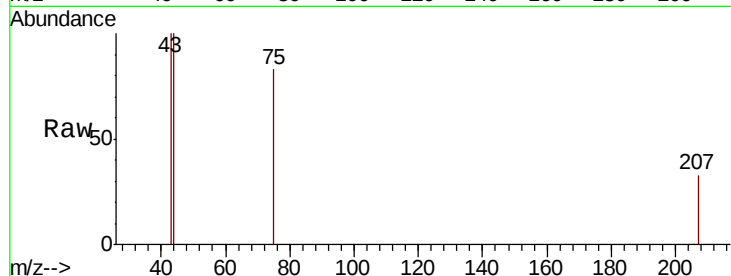




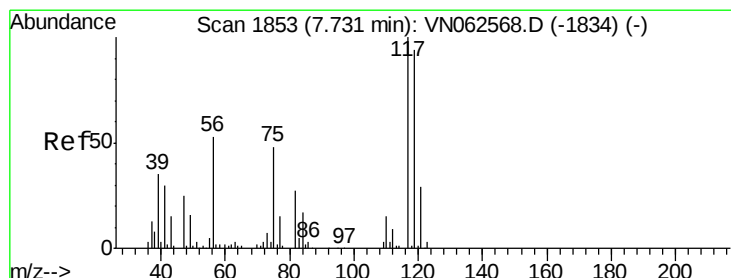
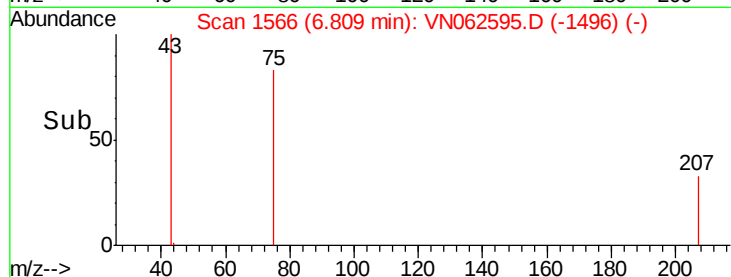
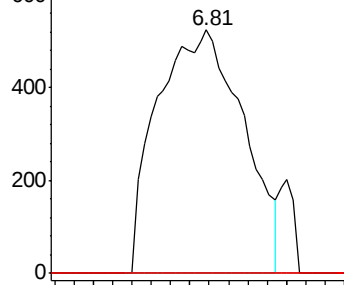
#37
Ethyl Acetate
Concen: 0.482 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.07 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

Instrument :
MSVOA_N
ClientSampleId :
PB130365TB

Tot Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 7.7 11.5#

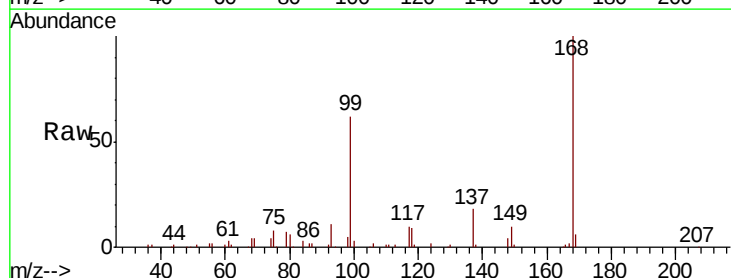


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

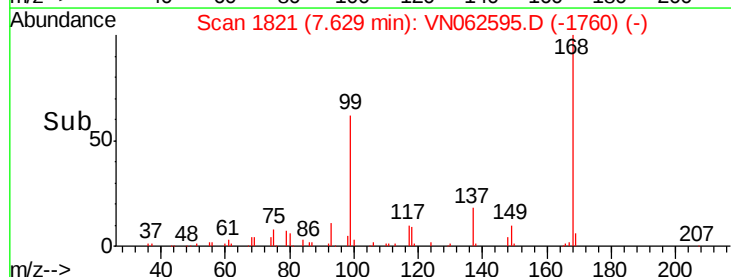
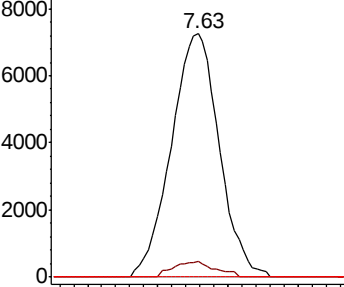


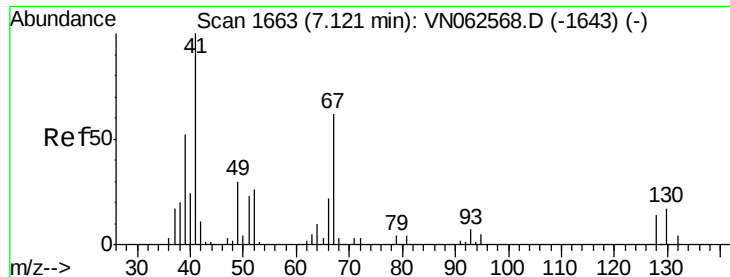
#38
Carbon Tetrachloride
Concen: 5.740 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

Tgt Ion: 117 Resp: 17219
Ion Ratio Lower Upper
117 100
119 6.3 74.8 112.2#
121 0.0 23.0 34.6#



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

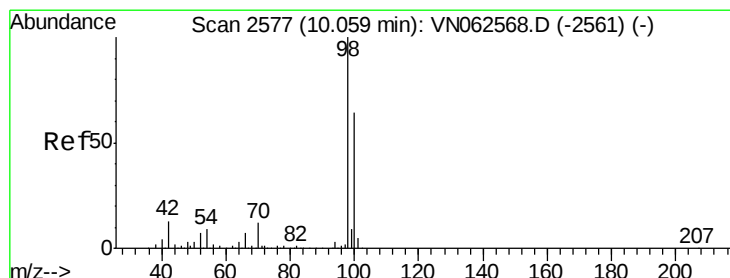
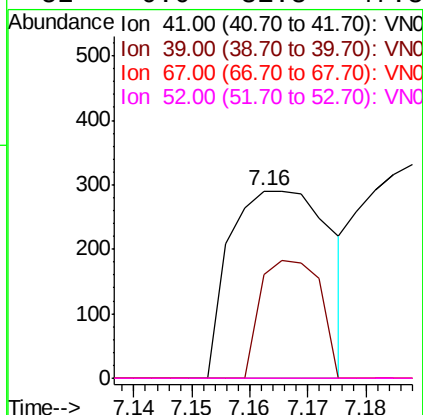
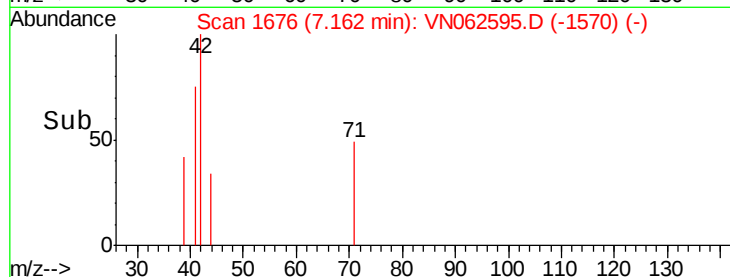
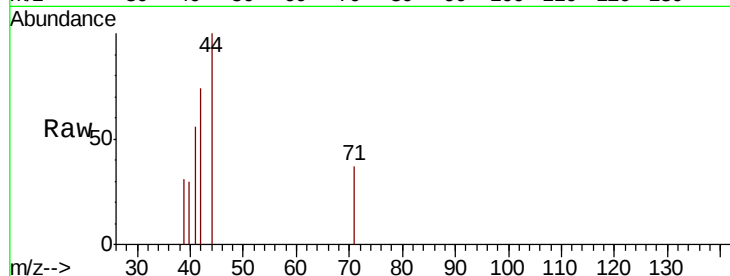




#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.04 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

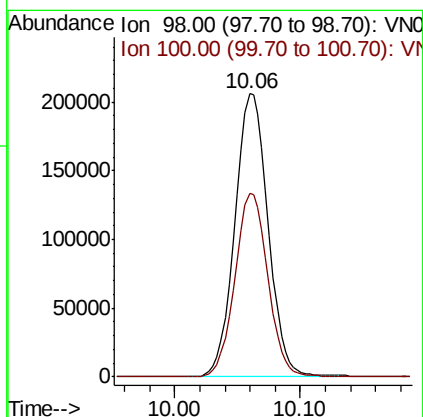
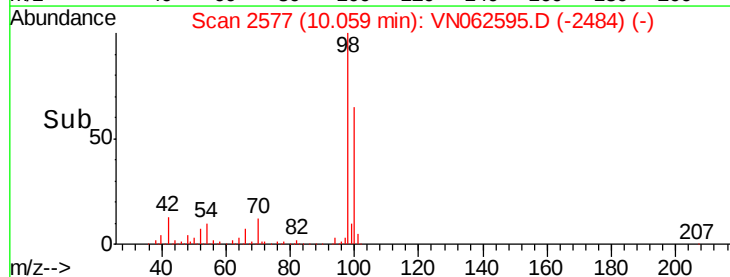
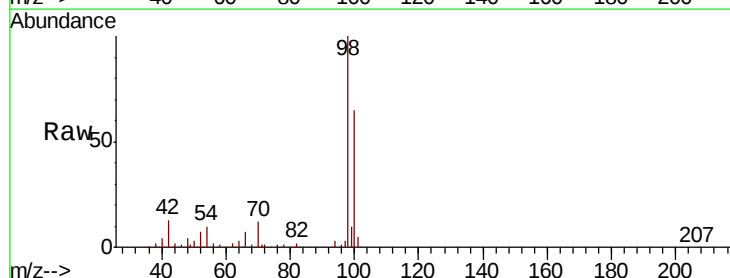
Instrument :
MSVOA_N
ClientSampled :
PB130365TB

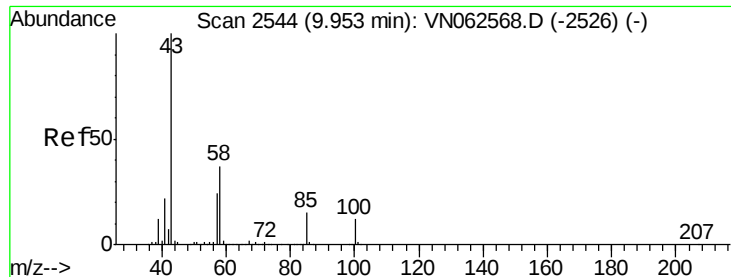
Tot Ion: 41 Resp: 349
Ion Ratio Lower Upper
41 100
39 37.2 55.8 83.6#
67 0.0 72.5 108.7#
52 0.0 31.8 47.8#



#50
Toluene-d8
Concen: 49.393 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062595.D
Acq: 22 Jul 2020 15:11

Tgt Ion: 98 Resp: 379018
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.718 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampled :

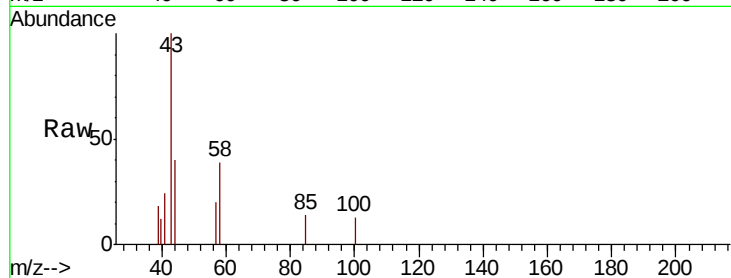
PB130365TB

Tot Ion: 43 Resp: 2329

Ion Ratio Lower Upper

43 100

58 31.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)

1500

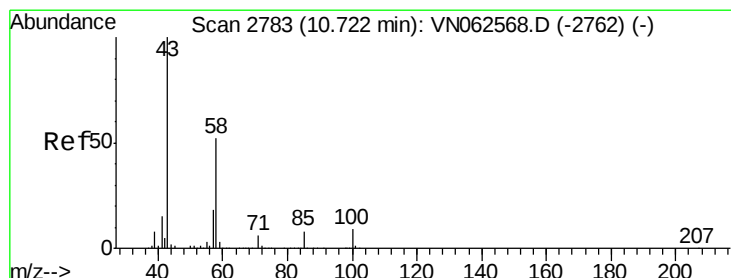
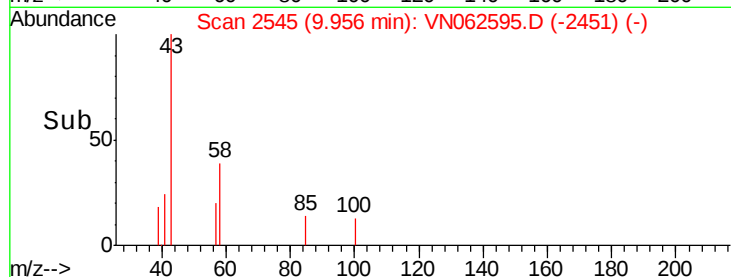
1000

500

0

9.90 9.95 10.00

Time-->



#59

2-Hexanone

Concen: 2.972 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.01 min

Lab File: VN062595.D

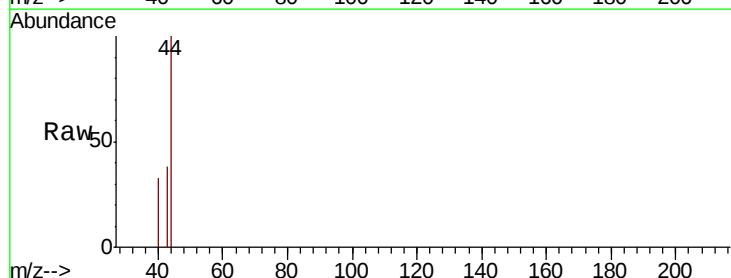
Acq: 22 Jul 2020 15:11

Tgt Ion: 43 Resp: 33

Ion Ratio Lower Upper

43 100

58 0.0 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2762) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2762) (-)

200

150

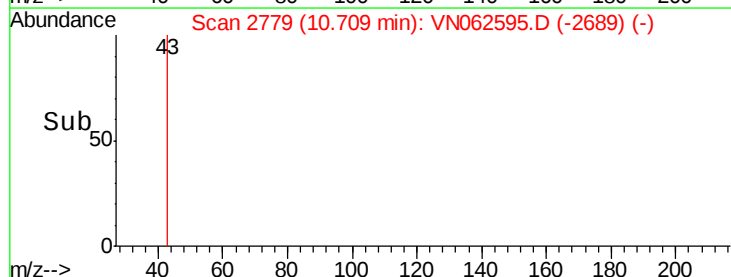
100

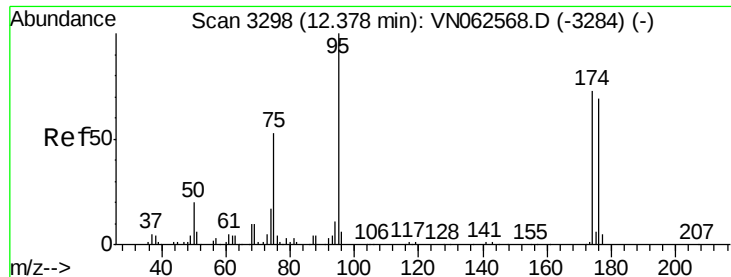
50

0

10.70 10.71 10.72

Time-->





#62

4-Bromofluorobenzene

Concen: 44.884 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB130365TB

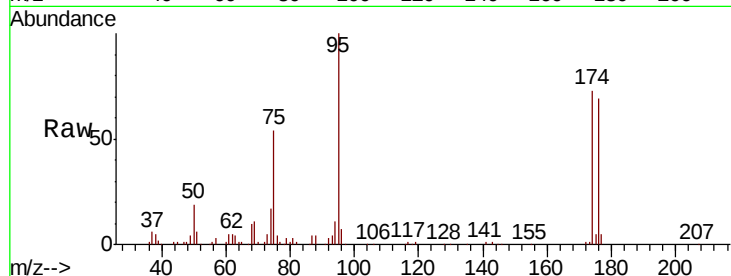
Tot Ion: 95 Resp: 125936

Ion Ratio Lower Upper

95 100

174 74.0 0.0 144.6

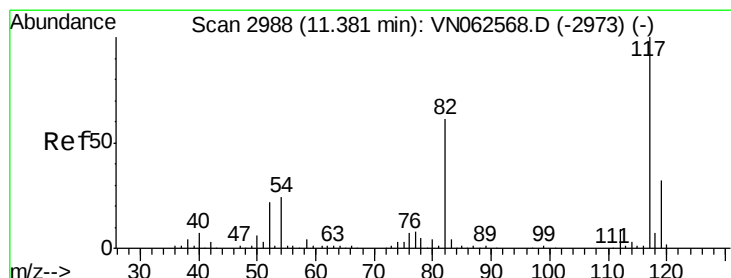
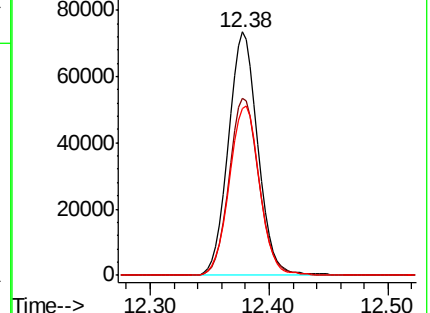
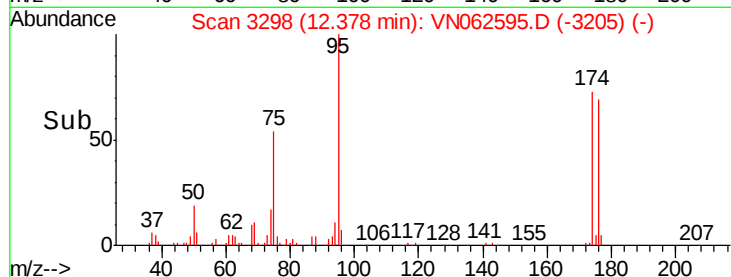
176 71.5 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062595.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062595.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062595.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

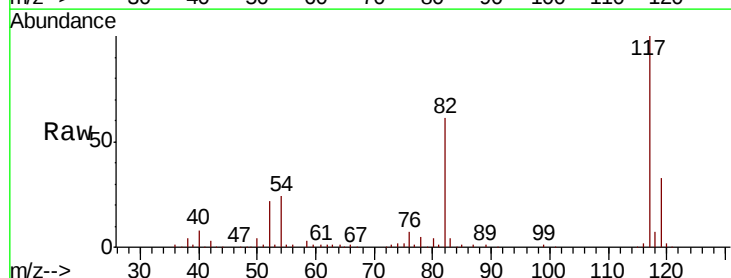
Tgt Ion: 117 Resp: 280835

Ion Ratio Lower Upper

117 100

82 60.8 49.0 73.6

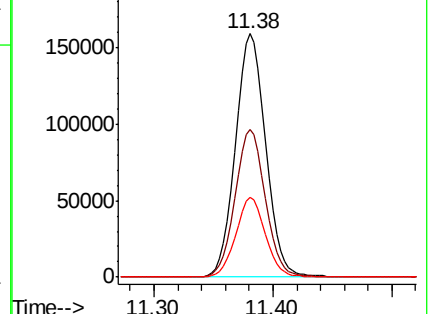
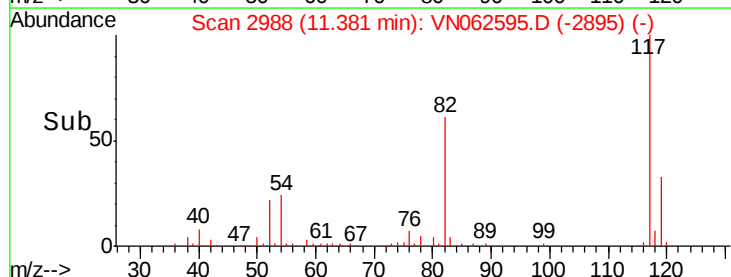
119 32.9 25.4 38.2

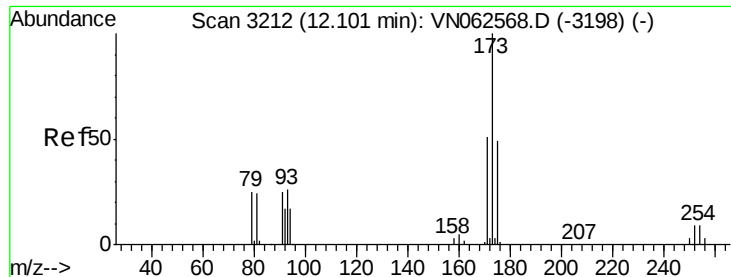


Abundance Ion 116.90 (116.60 to 117.60): VN062595.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062595.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062595.D (-2895) (-)





#71

Bromoform

Concen: 0.370 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

PB130365TB

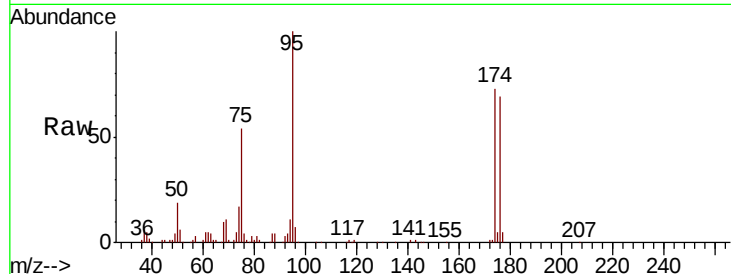
Tot Ion:173 Resp: 616

Ion Ratio Lower Upper

173 100

175 875.6 24.1 72.2#

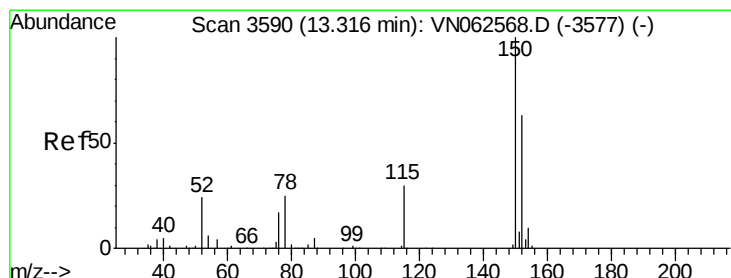
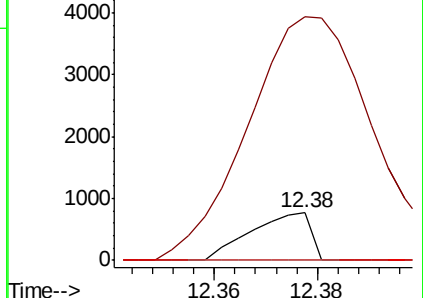
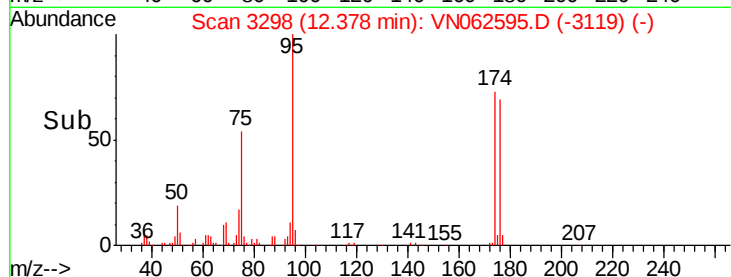
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

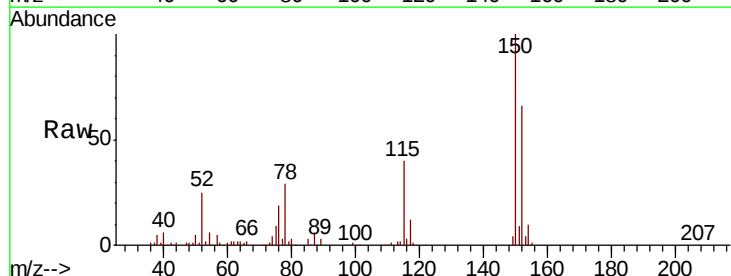
Tgt Ion:152 Resp: 97013

Ion Ratio Lower Upper

152 100

115 61.9 31.8 95.4

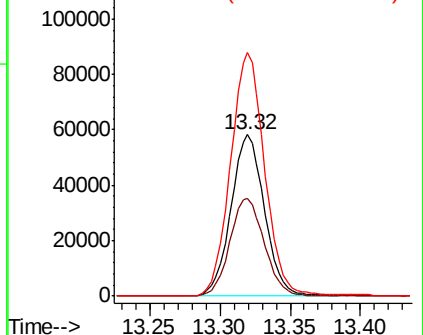
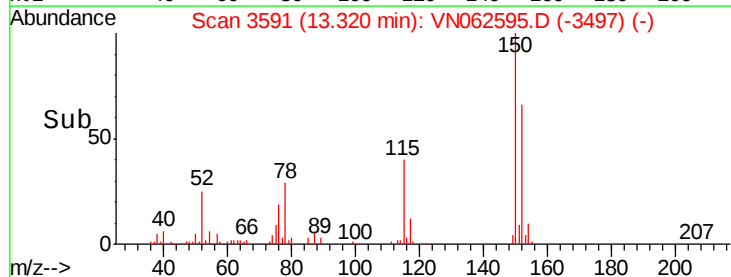
150 154.2 0.0 351.4

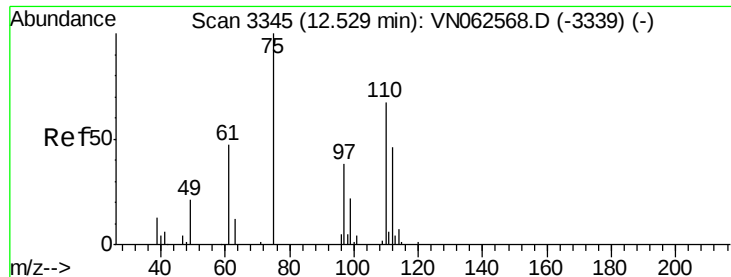


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.777 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Instrument :

MSVOA_N

ClientSampled :

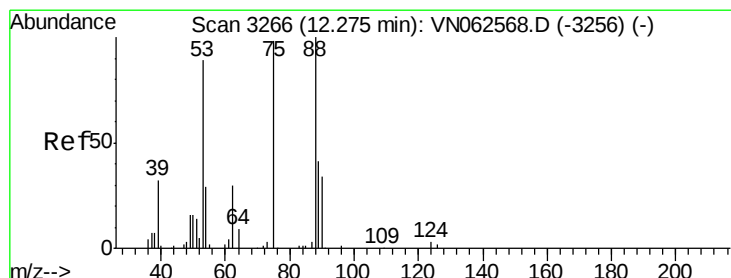
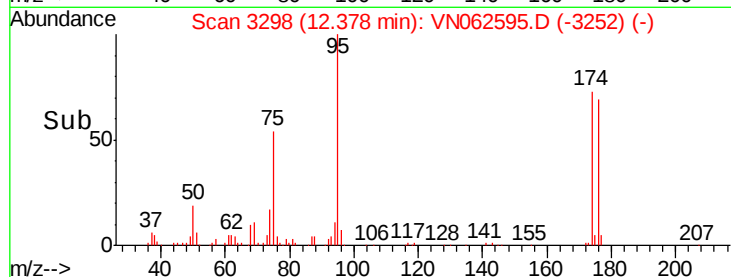
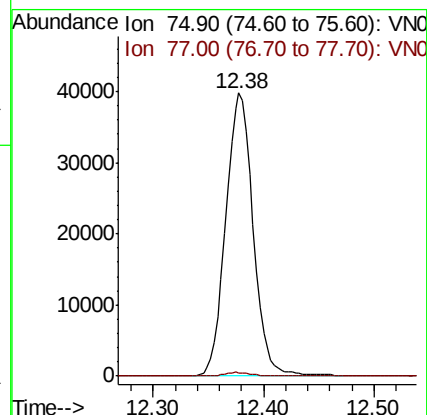
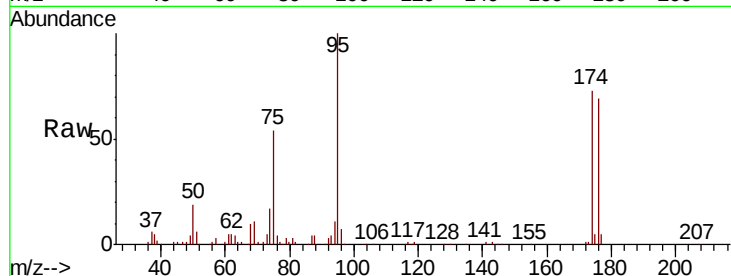
PB130365TB

Tot Ion: 75 Resp: 68590

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.324 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062595.D

Acq: 22 Jul 2020 15:11

Tgt Ion: 75 Resp: 68590

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

