

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060886.D
 Acq On : 7 Apr 2020 18:42
 Operator : JC/MD
 Sample : L2178-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Apr 08 05:55:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135746	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	128253	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	7.57	113	99050	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.08	98	407662	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	148997	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

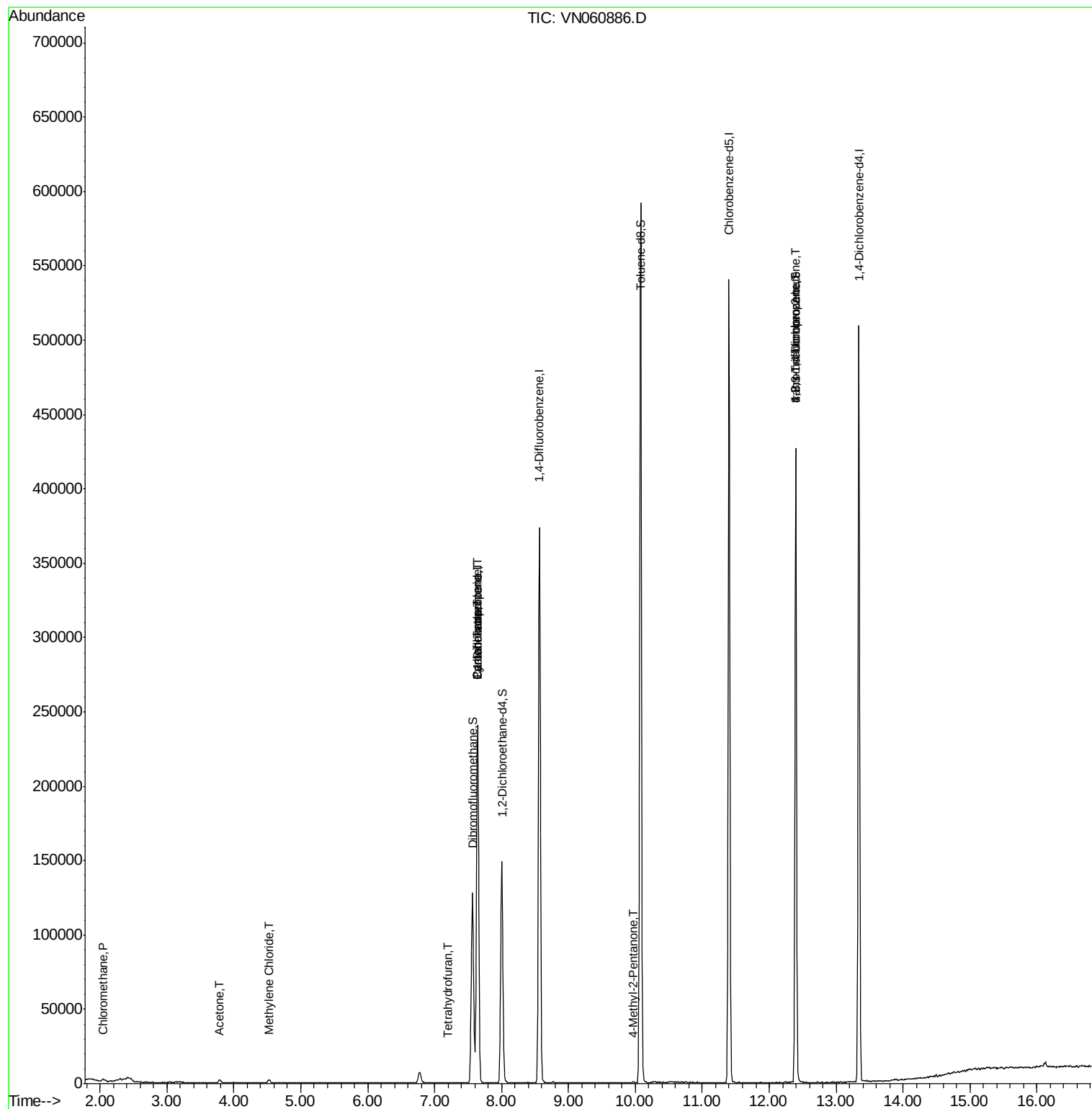
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1005	0.280	ug/l	97
16) Acetone	3.79	43	3599	3.721	ug/l	92
20) Methylene Chloride	4.52	84	1689	0.710	ug/l	89
29) Tetrahydrofuran	7.19	42	414	0.374	ug/l #	35
31) Cyclohexane	7.64	56	4005	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15538	4.837	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19192	6.666	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	844	0.259	ug/l #	37
76) 1,2,3-Trichloropropane	12.40	75	74842	25.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74842	65.623	ug/l #	13

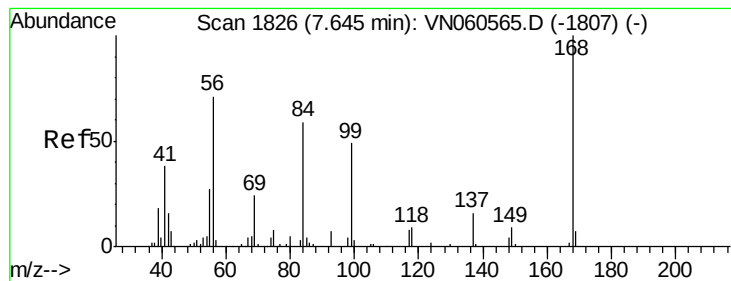
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

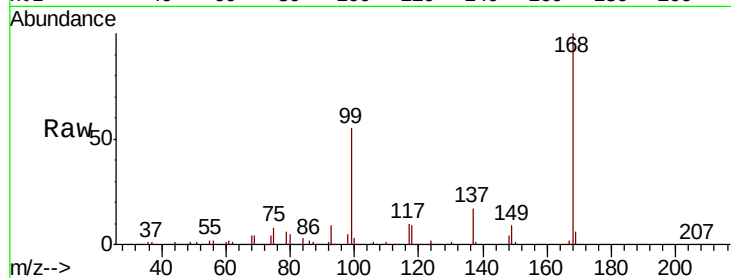
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Tot Ion:168 Resp: 198882

Ion Ratio Lower Upper

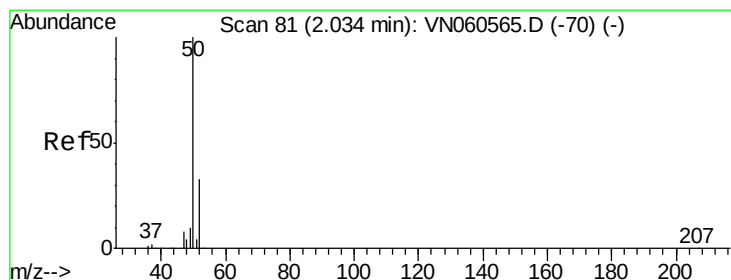
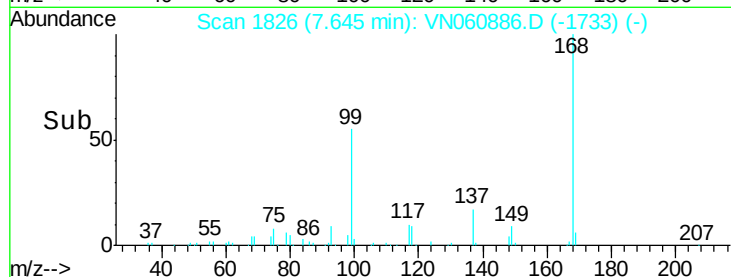
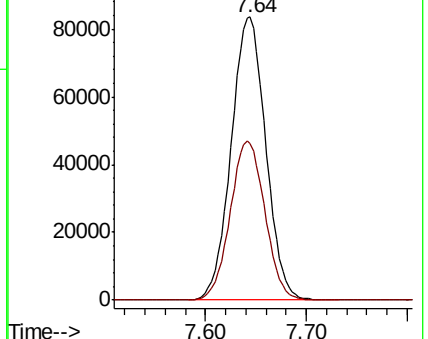
168 100

99 55.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.280 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060886.D

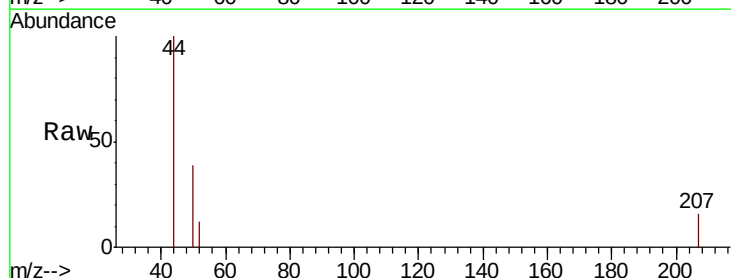
Acq: 7 Apr 2020 18:42

Tgt Ion: 50 Resp: 1005

Ion Ratio Lower Upper

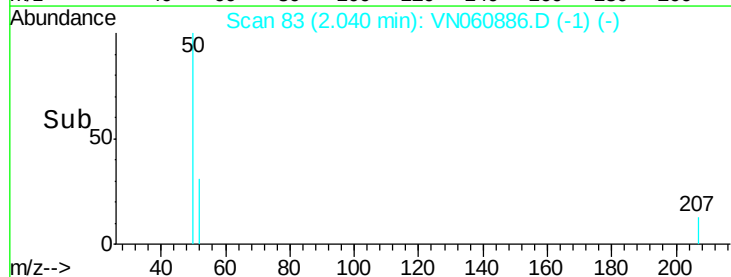
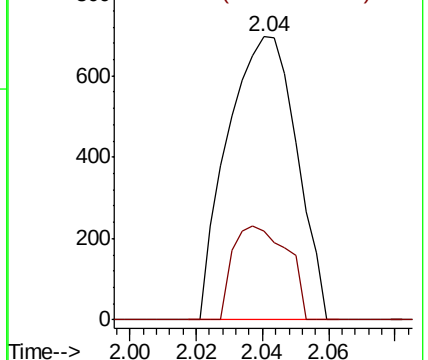
50 100

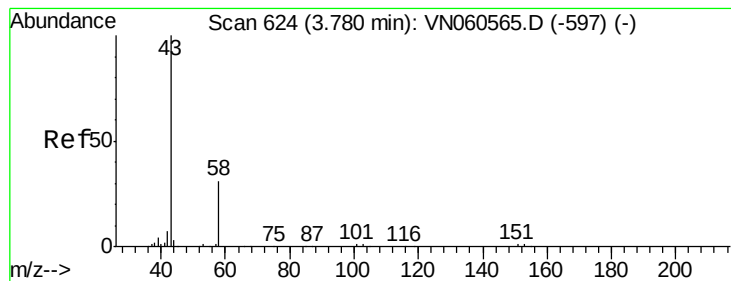
52 31.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 3.721 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

Instrument :

MSVOA_N

ClientSampled :

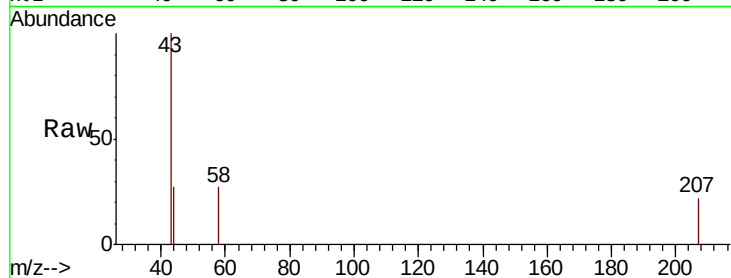
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Tot Ion: 43 Resp: 3599

Ion Ratio Lower Upper

43 100

58 26.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060886.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060886.D (-531) (-)

3.79

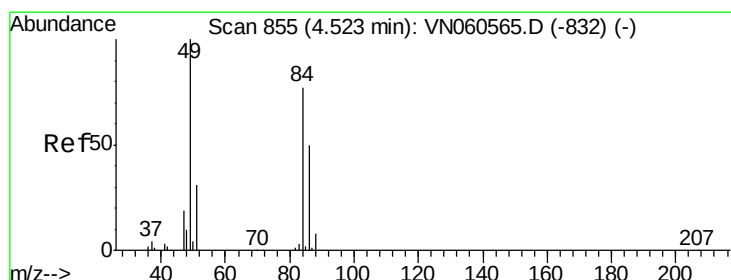
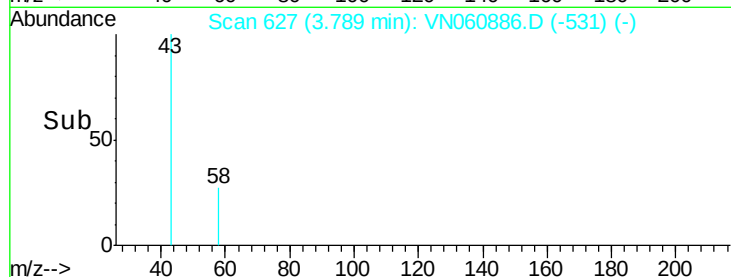
1500

1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90



#20

Methylene Chloride

Concen: 0.710 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

Tgt Ion: 84 Resp: 1689

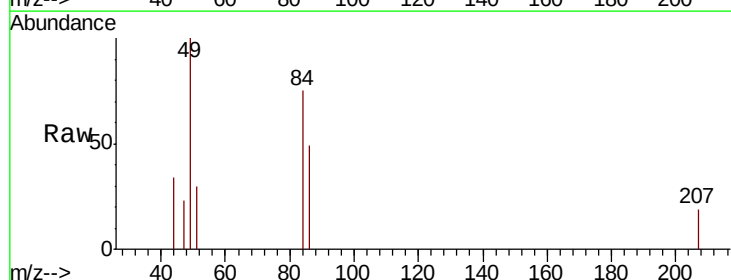
Ion Ratio Lower Upper

84 100

49 107.3 103.3 154.9

51 40.1 31.6 47.4

86 64.9 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VN060886.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060886.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060886.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060886.D (-762) (-)

1200

1000

800

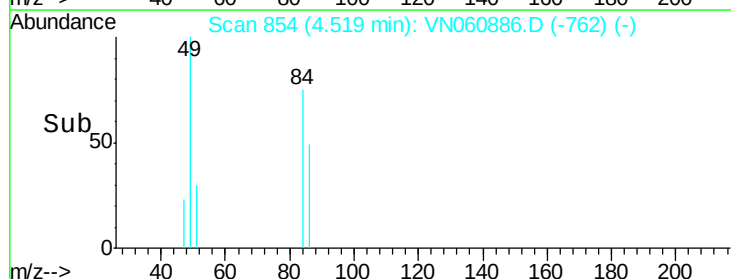
600

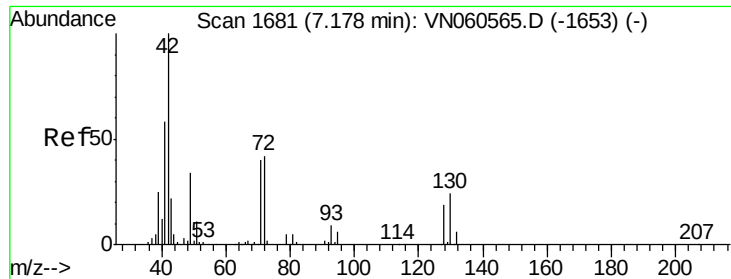
400

200

0

Time--> 4.45 4.50 4.55

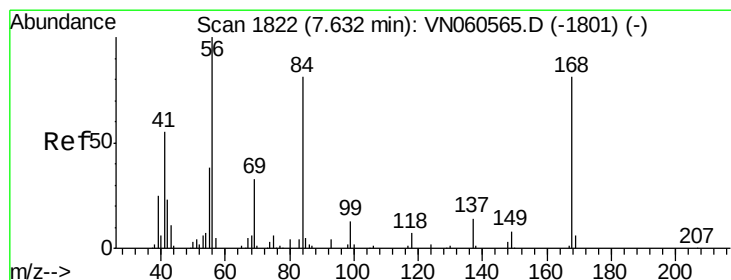
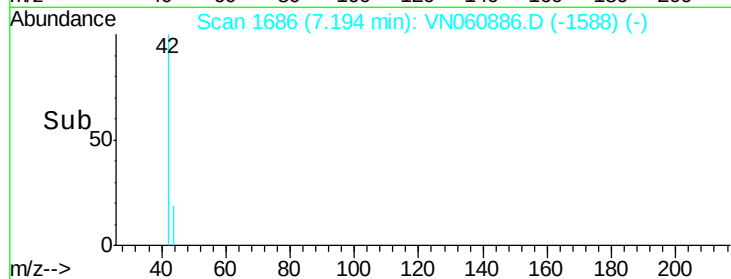
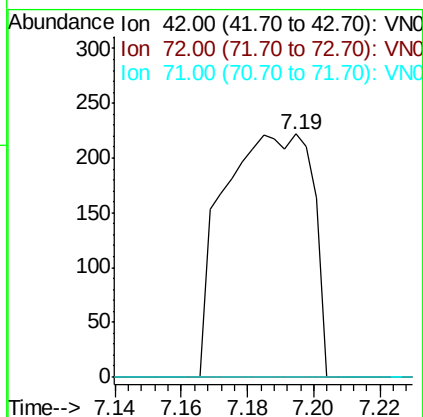
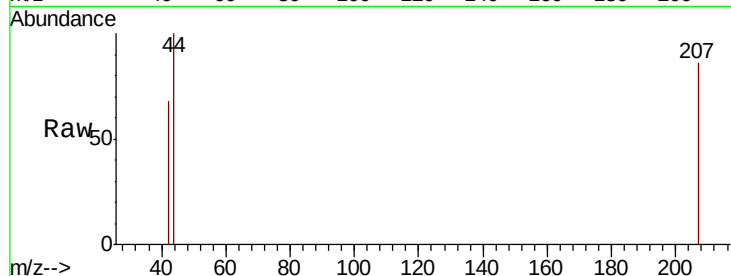




#29
Tetrahydrofuran
Concen: 0.374 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN060886.D
Acq: 7 Apr 2020 18:42

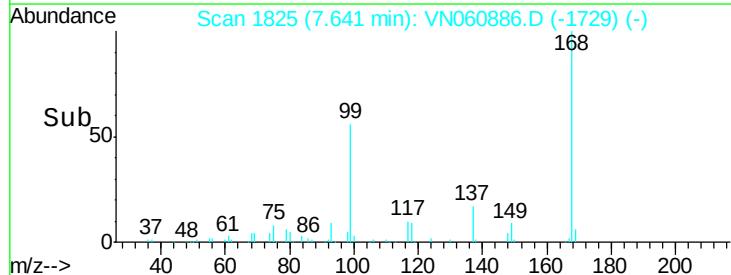
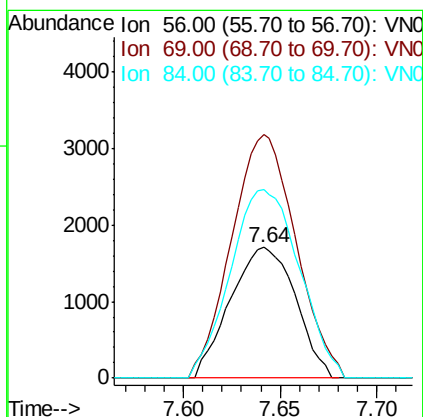
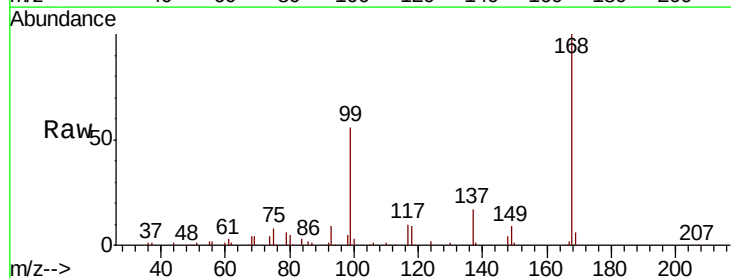
Instrument :
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ClientSampleId :
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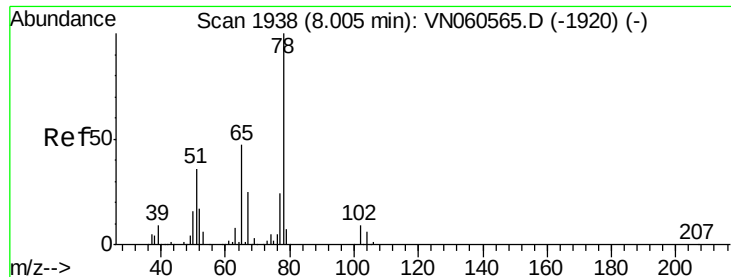
Tot Ion: 42 Resp: 414
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#



#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060886.D
Acq: 7 Apr 2020 18:42

Tgt Ion: 56 Resp: 4005
Ion Ratio Lower Upper
56 100
69 186.6 26.6 40.0#
84 144.3 64.3 96.5#

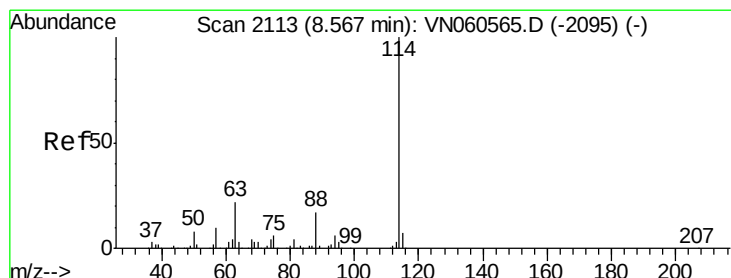
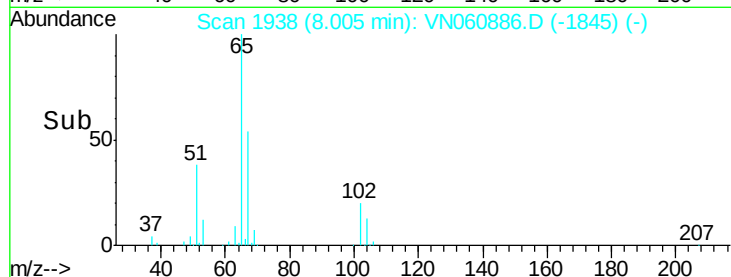
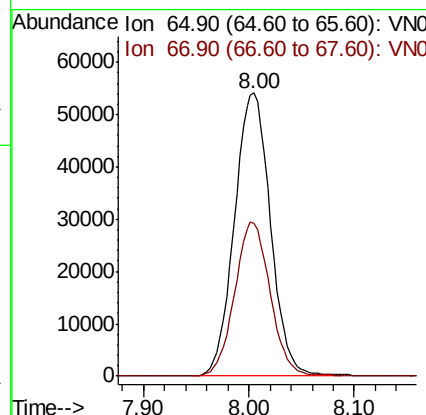
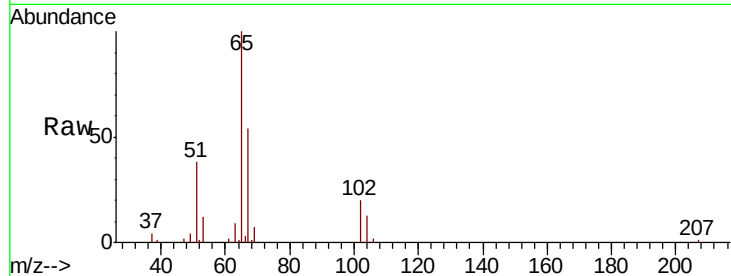




#33
 1,2-Dichloroethane-d4
 Concen: 46.976 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060886.D
 Acq: 7 Apr 2020 18:42

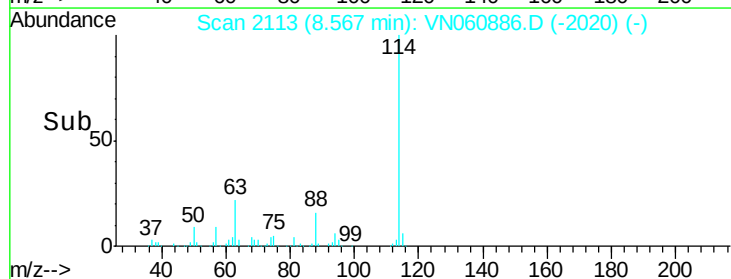
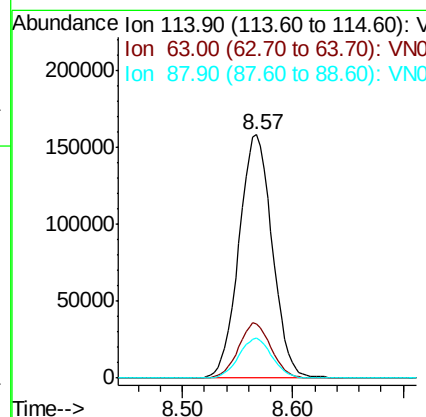
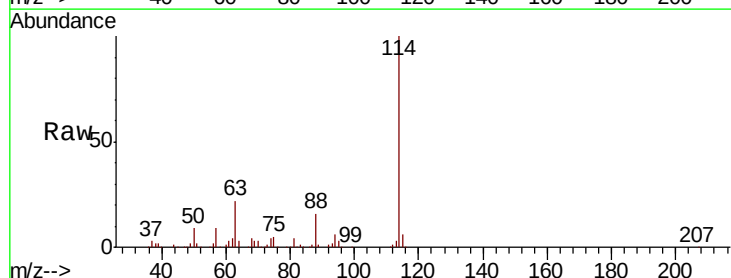
Instrument :
 MSVOA_N
 ClientSampleId :
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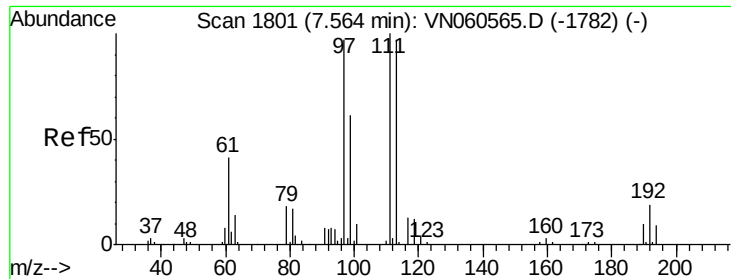
Tot Ion: 65 Resp: 128253
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060886.D
 Acq: 7 Apr 2020 18:42

Tgt Ion: 114 Resp: 331750
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.2 0.0 33.0

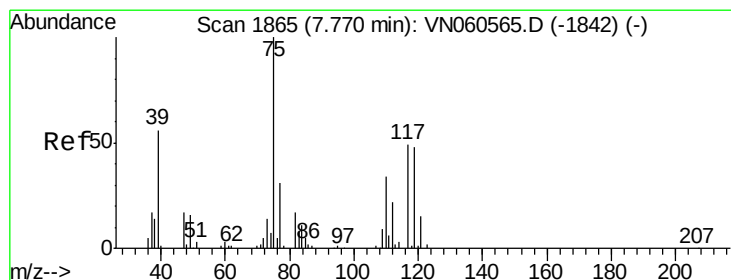
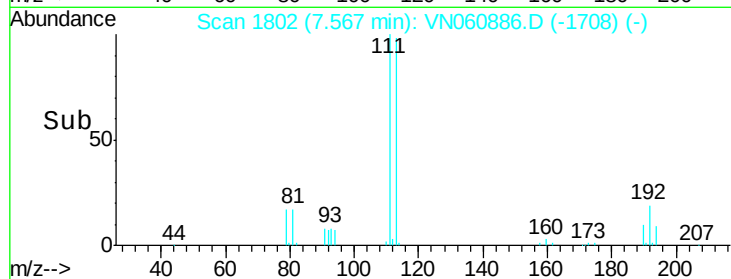
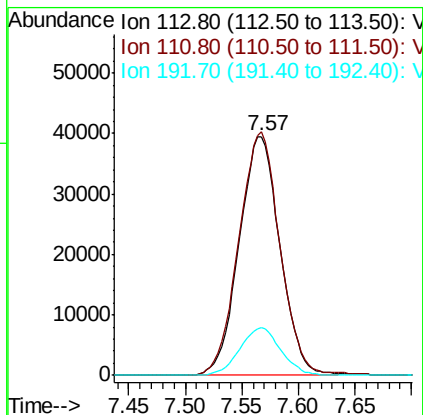
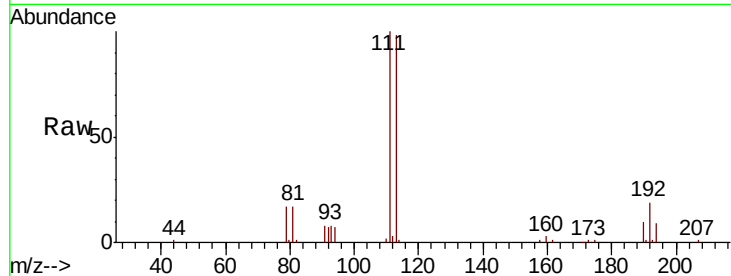




#35
 Dibromofluoromethane
 Concen: 49.377 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060886.D
 Acq: 7 Apr 2020 18:42

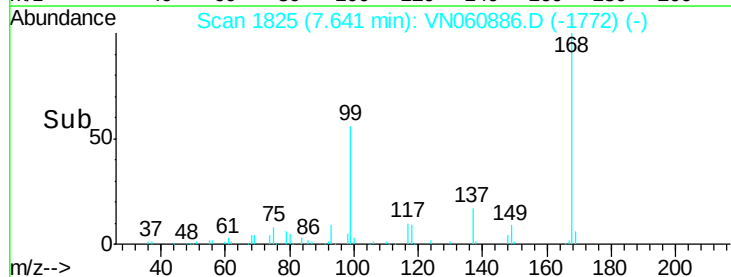
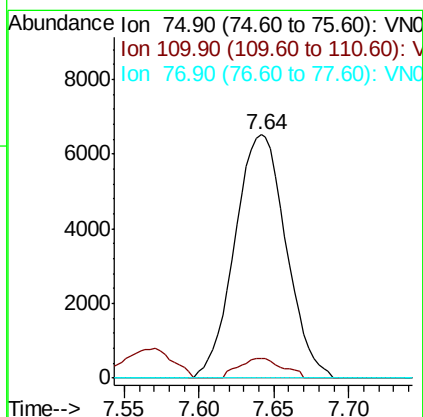
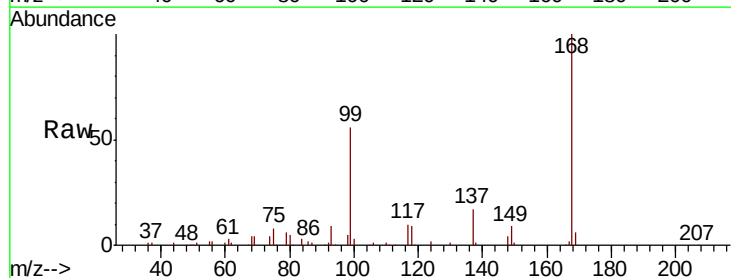
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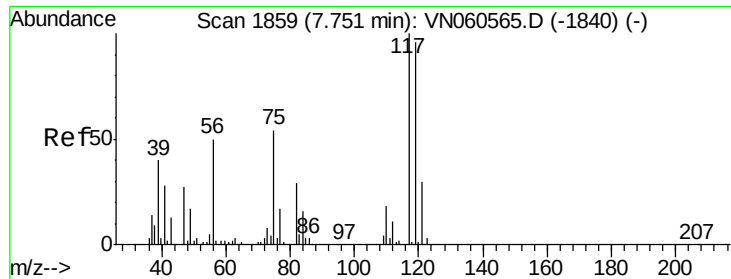
Tot Ion:113 Resp: 99050
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060886.D
 Acq: 7 Apr 2020 18:42

Tgt Ion: 75 Resp: 15538
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.9 50.6#
 77 0.0 24.6 36.8#

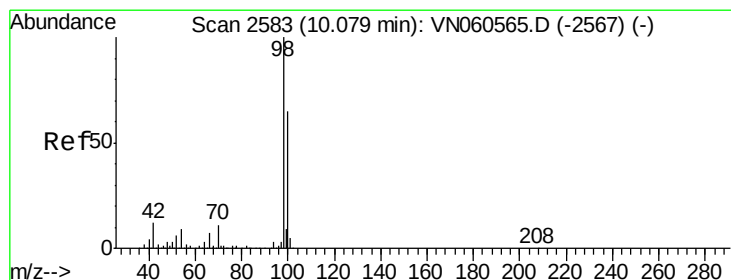
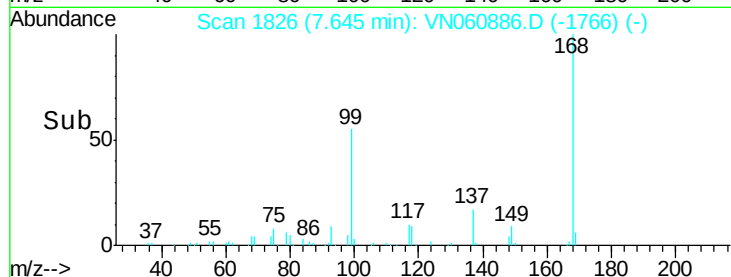
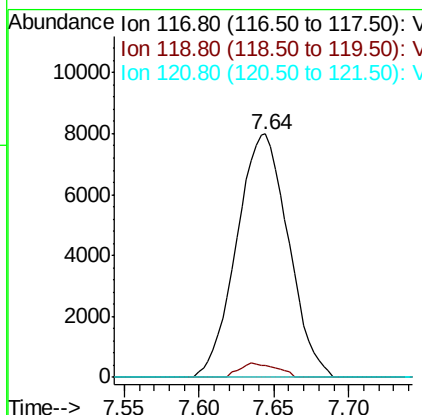
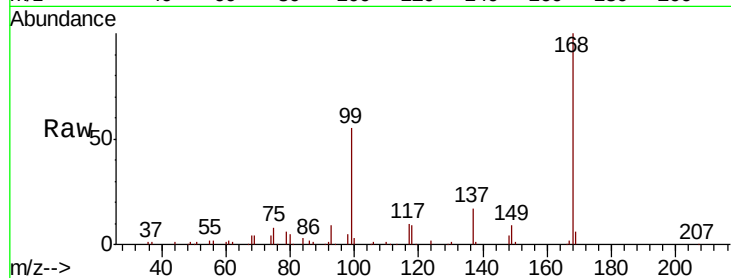




#38
Carbon Tetrachloride
Concen: 6.666 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060886.D
Acq: 7 Apr 2020 18:42

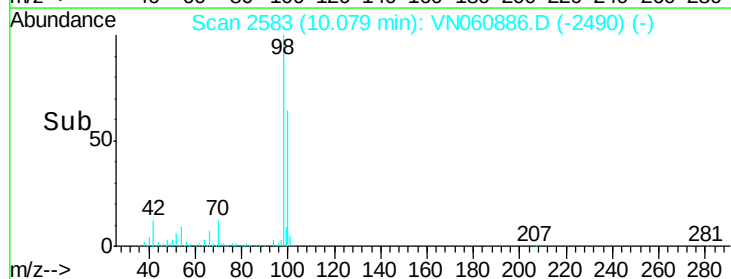
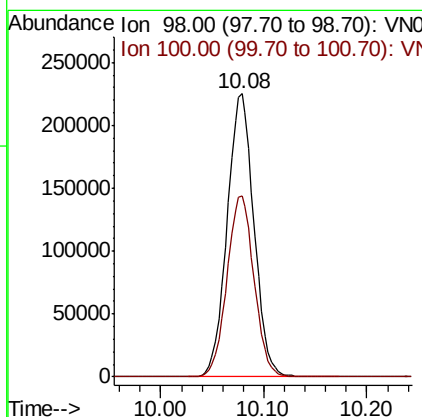
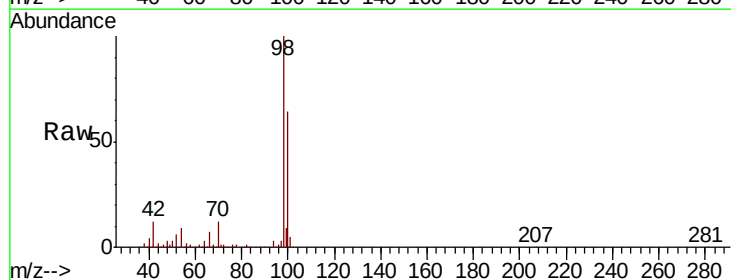
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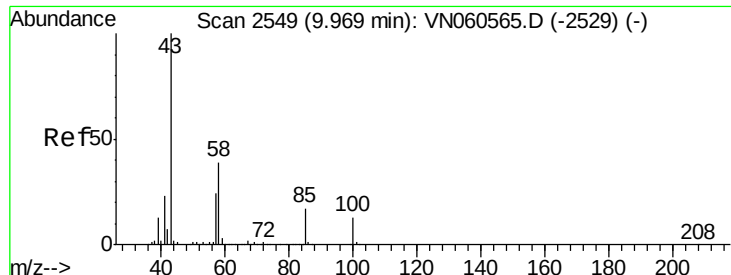
Tot Ion:117 Resp: 19192
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.753 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060886.D
Acq: 7 Apr 2020 18:42

Tgt Ion: 98 Resp: 407662
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

Instrument :

MSVOA_N

ClientSampled :

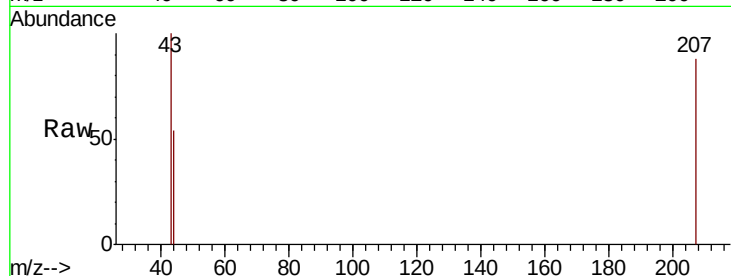
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Tot Ion: 43 Resp: 844

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060886.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060886.D (-2456) (-)

9.97

500

400

300

200

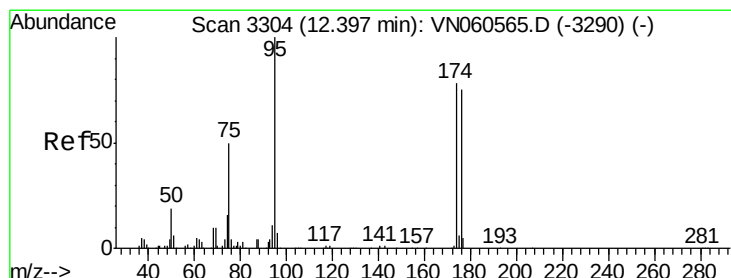
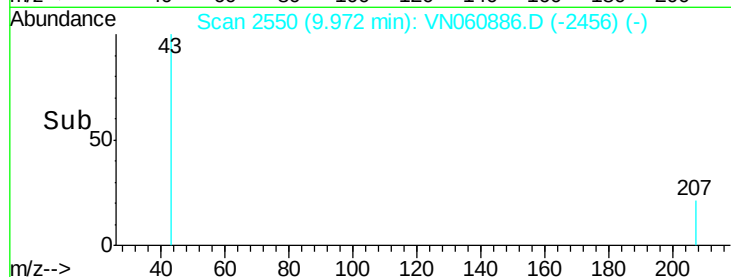
100

0

9.95

10.00

Time-->



#62

4-Bromofluorobenzene

Concen: 49.618 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

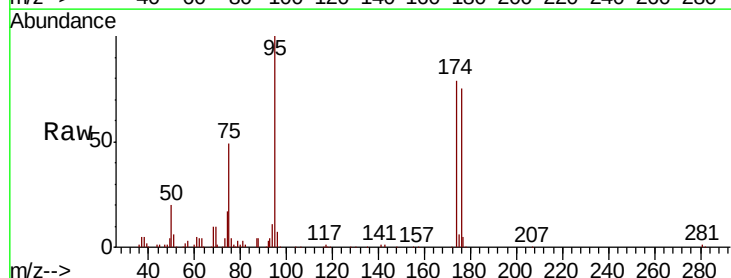
Tgt Ion: 95 Resp: 148997

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.6

176 75.5 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060886.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060886.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060886.D (-3211) (-)

120000

100000

80000

60000

40000

20000

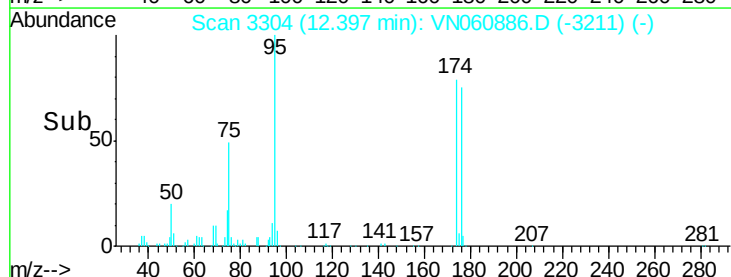
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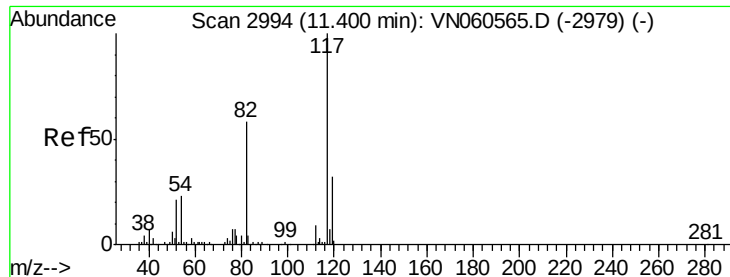
12.30

12.40

12.50

Time-->

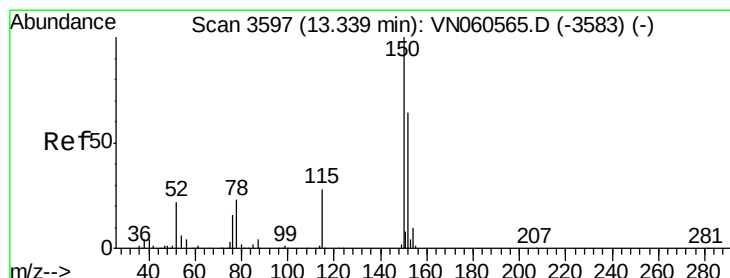
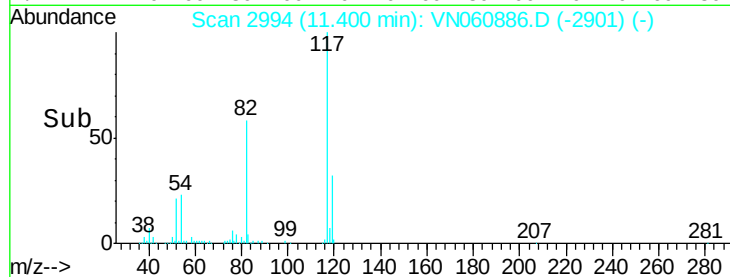
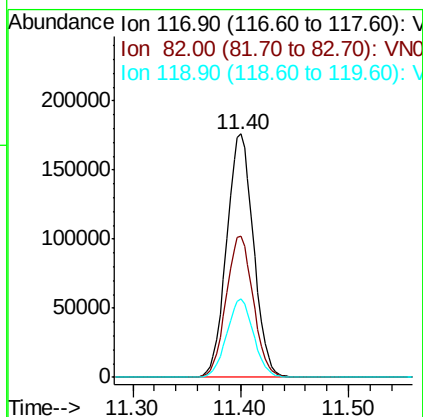
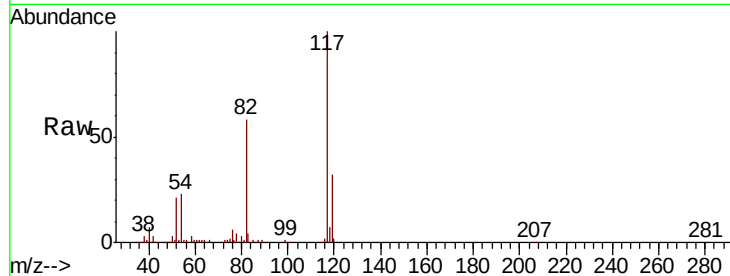




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060886.D
Acq: 7 Apr 2020 18:42

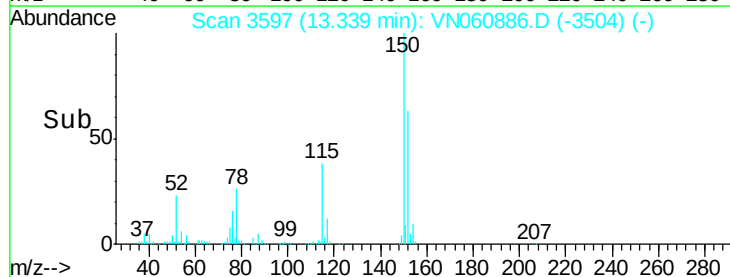
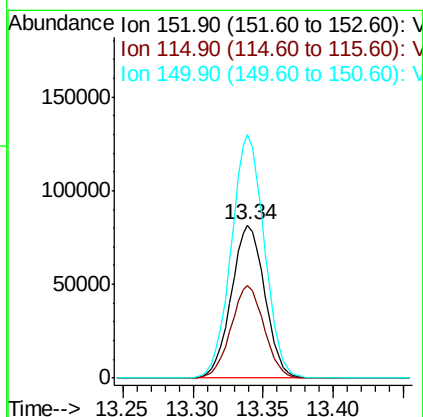
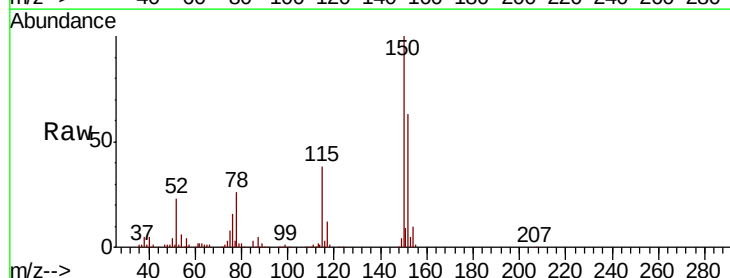
Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

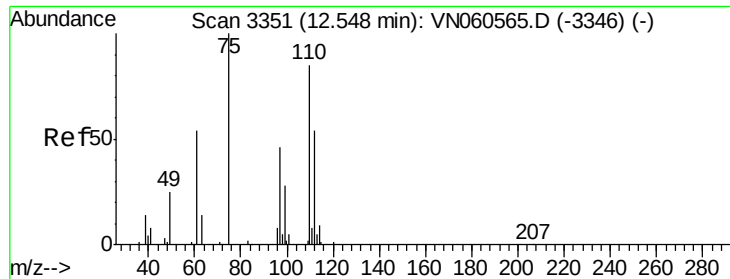
Tot Ion:117 Resp: 306547
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060886.D
Acq: 7 Apr 2020 18:42

Tgt Ion:152 Resp: 135746
Ion Ratio Lower Upper
152 100
115 59.7 30.2 90.6
150 157.7 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 25.551 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

Instrument :

MSVOA_N

ClientSampleId :

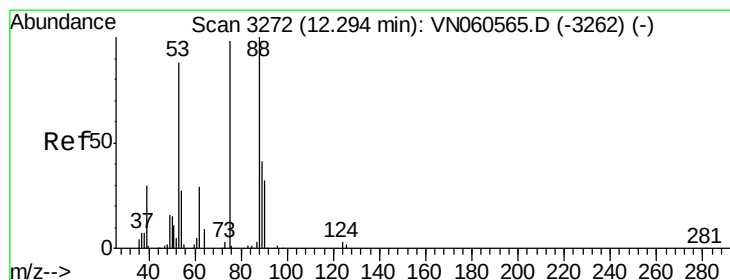
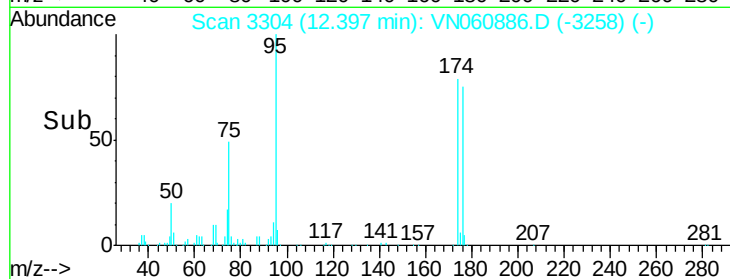
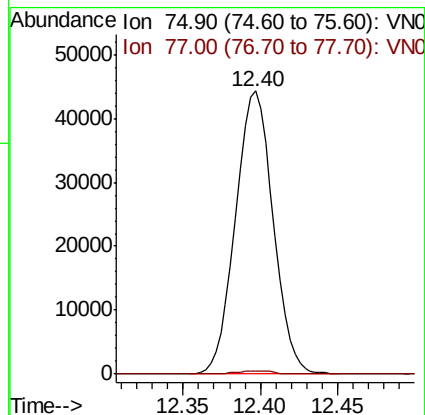
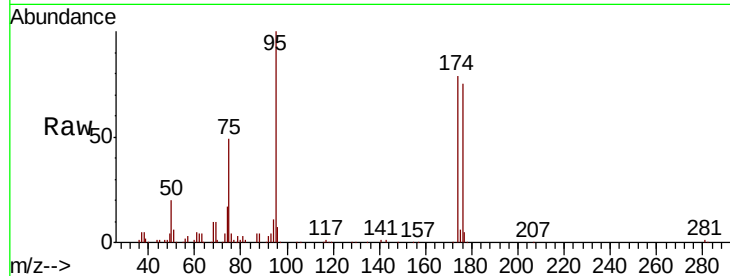
FIELD-BLANK

Tot Ion: 75 Resp: 74842

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.623 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060886.D

Acq: 7 Apr 2020 18:42

Tgt Ion: 75 Resp: 74842

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

