

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059607.D
 Acq On : 16 Dec 2019 17:01
 Operator : JC/SP
 Sample : K6269-06DL 500X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 23810DL

Quant Time: Dec 17 04:52:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	251642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	402059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	363624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145749	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	180806	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	7.57	113	125562	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	10.08	98	498273	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	166203	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

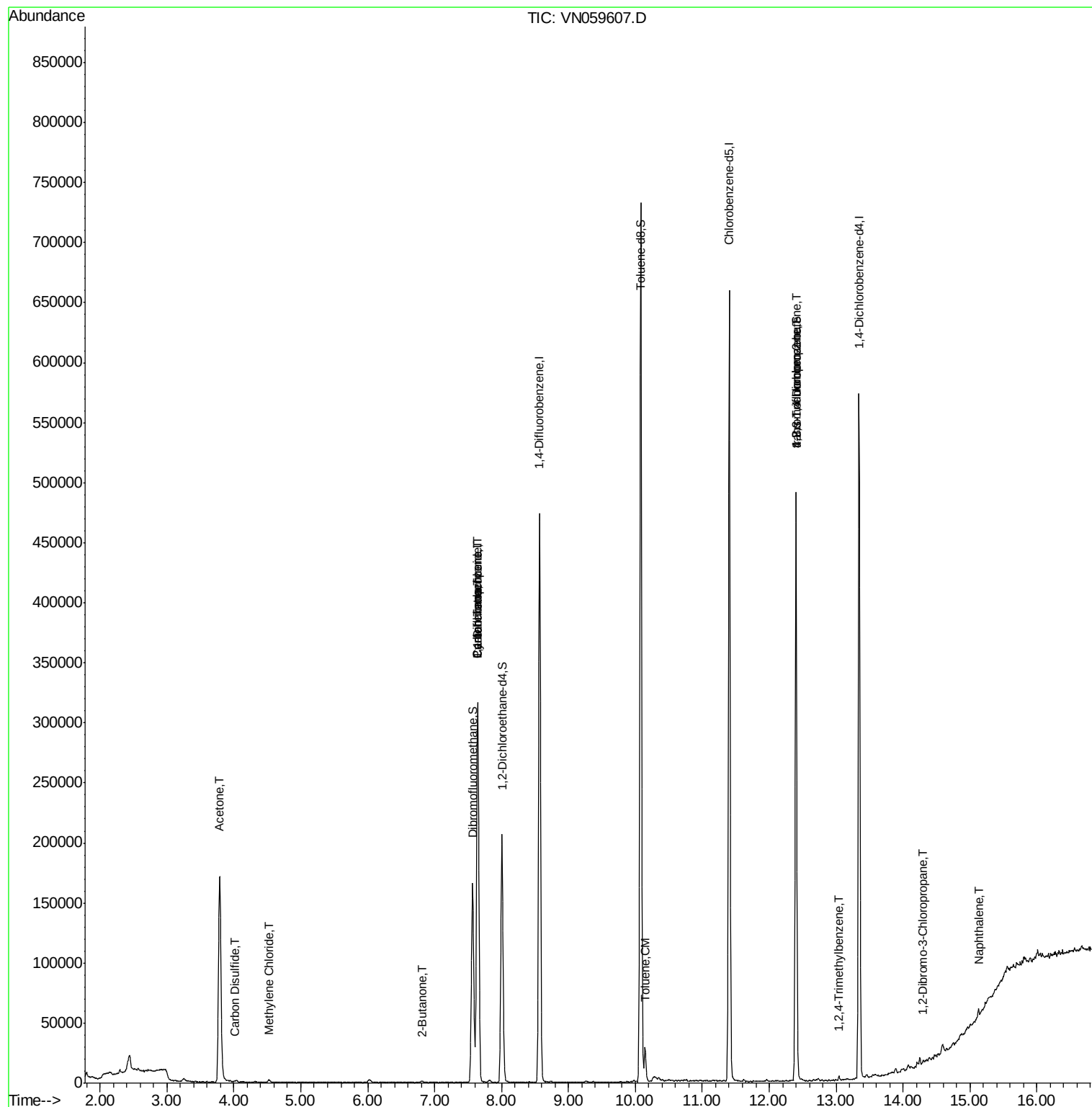
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	286239	131.663	ug/l	100
17) Carbon Disulfide	4.03	76	1590	2.046	ug/l #	75
20) Methylene Chloride	4.52	84	1172	0.373	ug/l	88
25) 2-Butanone	6.82	43	892	0.343	ug/l #	50
31) Cyclohexane	7.64	56	5808	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	20155	4.807	ug/l #	51
38) Carbon Tetrachloride	7.64	117	25616	5.888	ug/l #	16
52) Toluene	10.15	92	11739	1.559	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	90181	24.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	90181	61.732	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	2160	0.224	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.29	75	156	1.774	ug/l #	6
95) Naphthalene	15.13	128	4653	0.473	ug/l	97

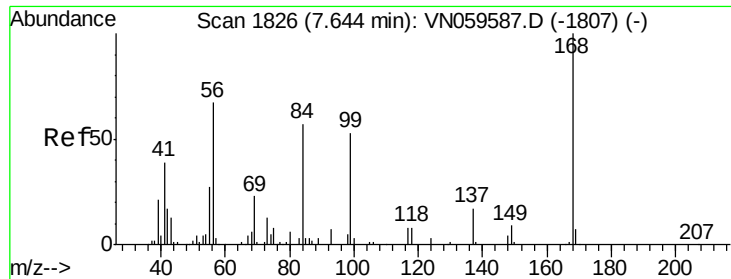
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

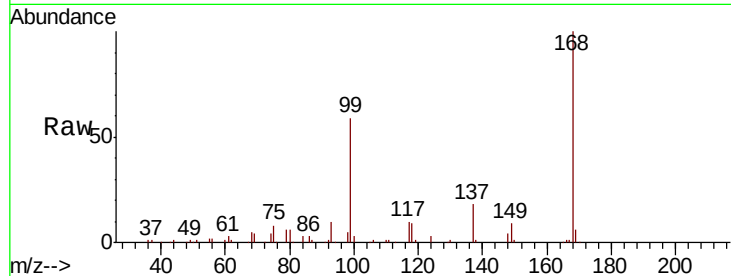
23810DL

Tgt Ion:168 Resp: 251642

Ion Ratio Lower Upper

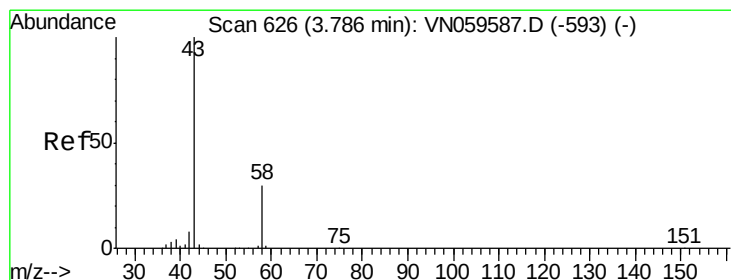
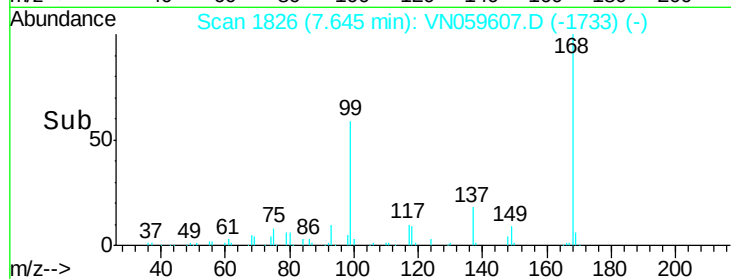
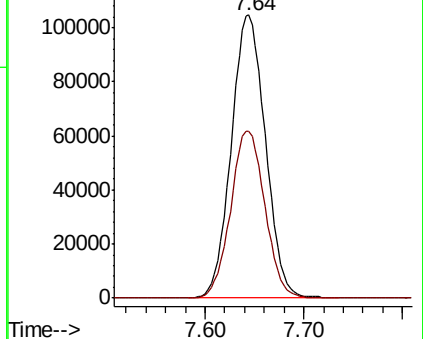
168 100

99 59.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059607.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059607.D (-1733) (-)



#16

Acetone

Concen: 131.663 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059607.D

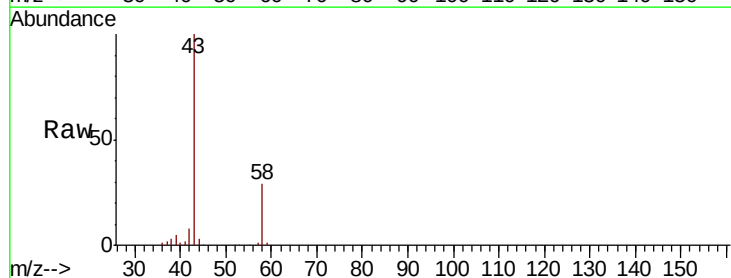
Acq: 16 Dec 2019 17:01

Tgt Ion: 43 Resp: 286239

Ion Ratio Lower Upper

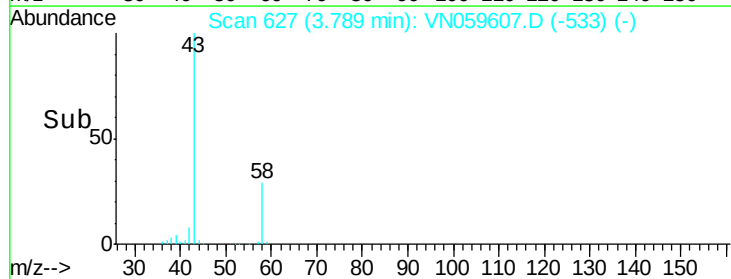
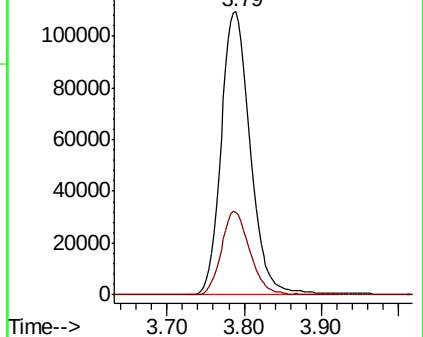
43 100

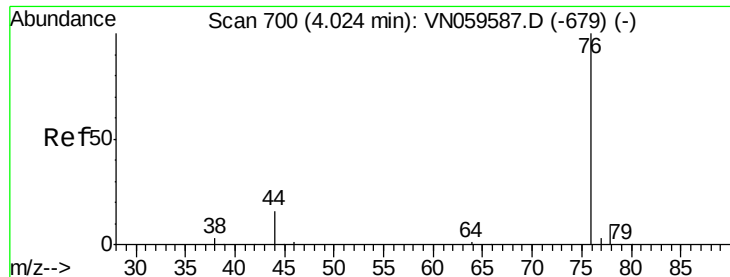
58 29.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059607.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059607.D (-533) (-)





#17

Carbon Disulfide

Concen: 2.046 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

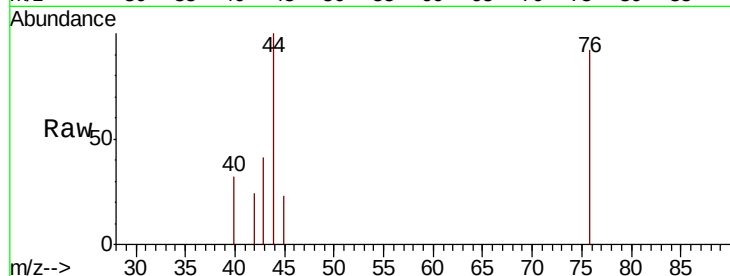
23810DL

Tgt Ion: 76 Resp: 1590

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

600

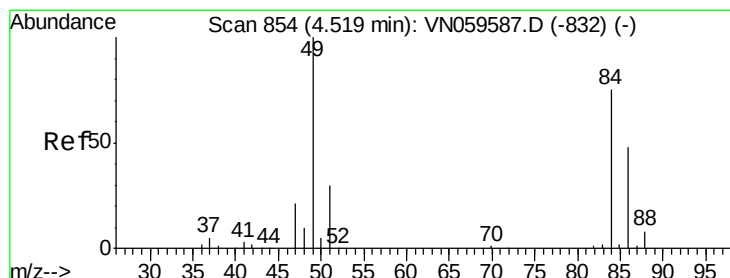
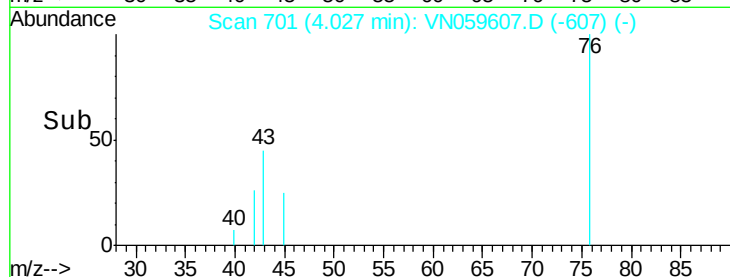
400

200

0

4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 0.373 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Tgt Ion: 84 Resp: 1172

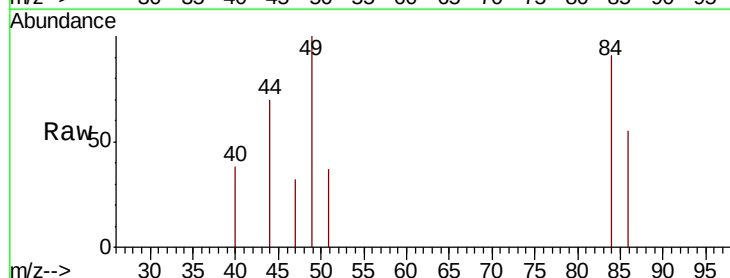
Ion Ratio Lower Upper

84 100

49 110.1 106.6 160.0

51 40.4 31.9 47.9

86 60.7 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

1000

800

600

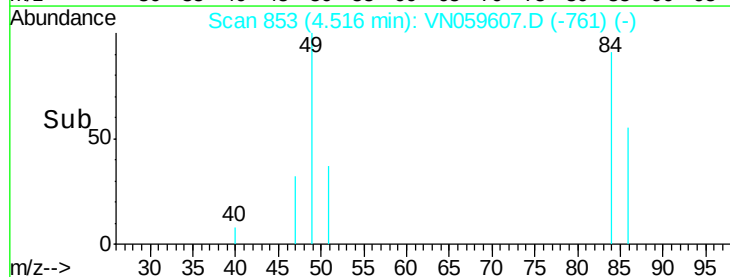
400

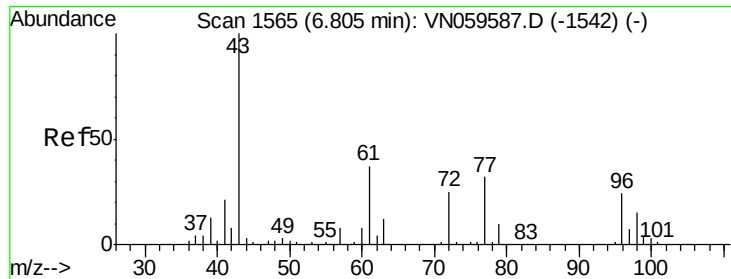
200

0

4.50 4.55

Time-->

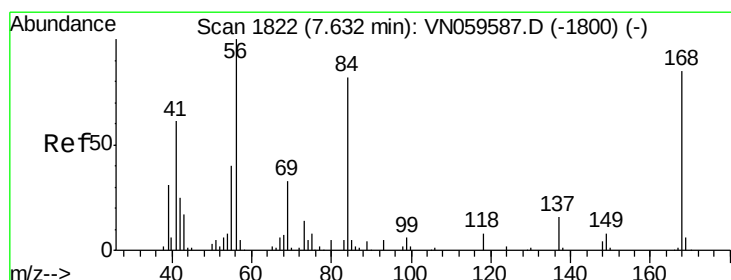
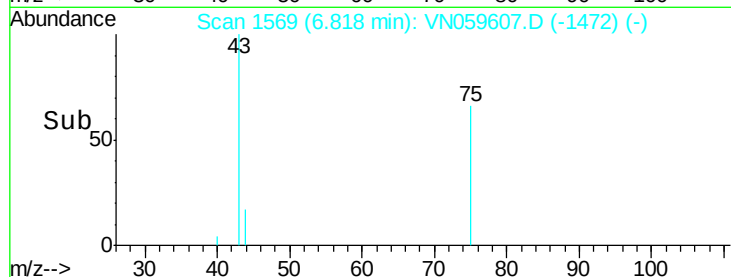
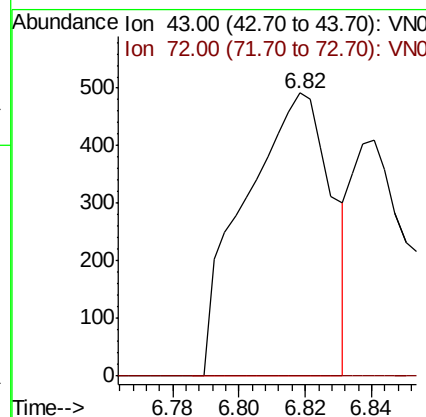
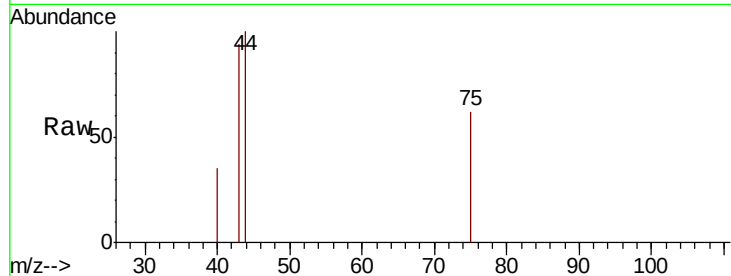




#25
2-Butanone
Concen: 0.343 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059607.D
Acq: 16 Dec 2019 17:01

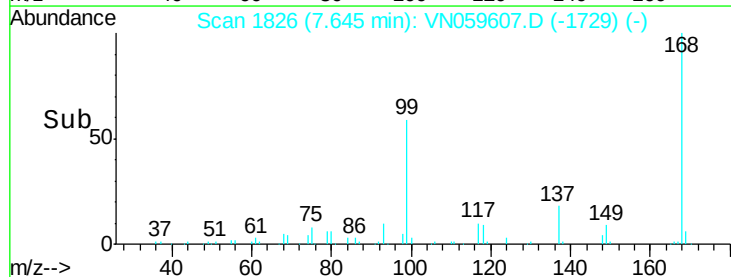
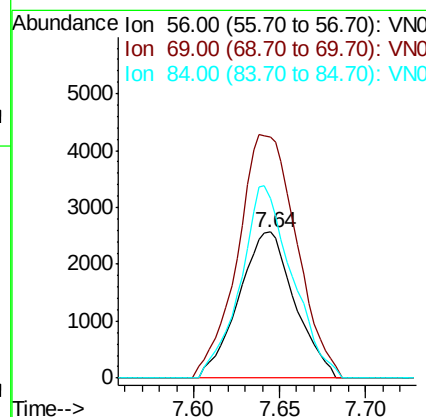
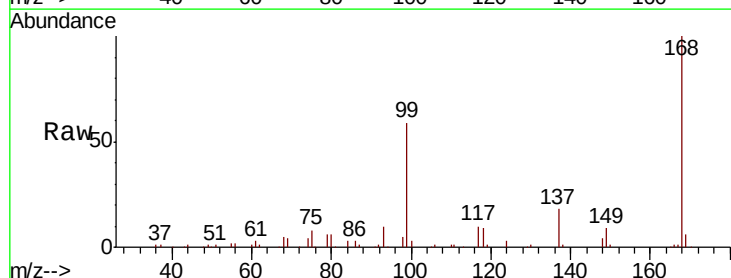
Instrument :
MSVOA_N
ClientSampled :
23810DL

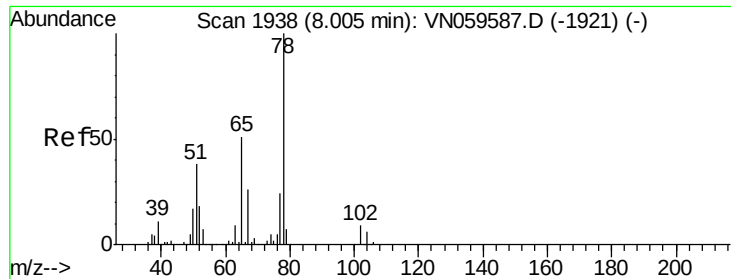
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059607.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 56 Resp: 5808
Ion Ratio Lower Upper
56 100
69 164.8 26.5 39.7#
84 123.4 65.3 97.9#

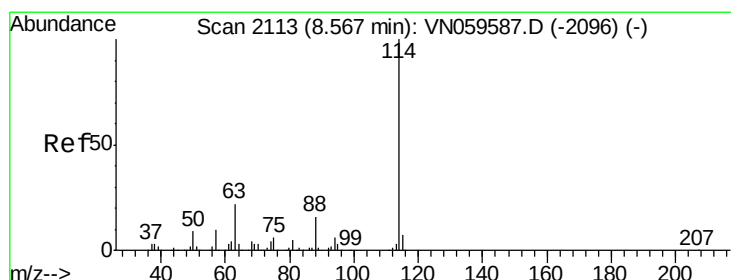
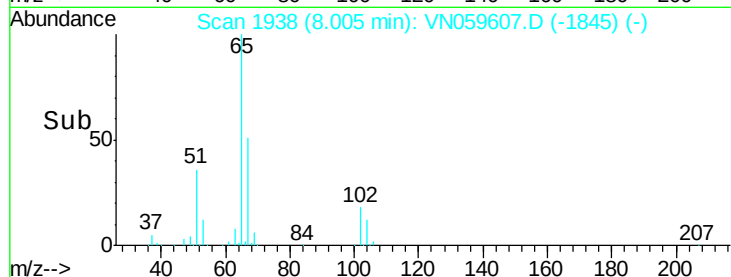
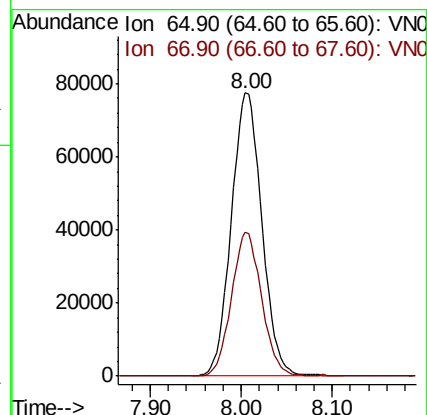
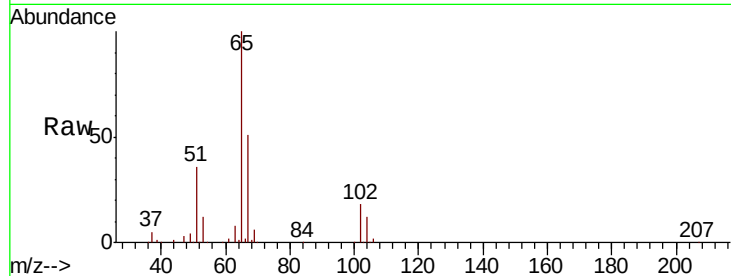




#33
 1,2-Dichloroethane-d4
 Concen: 49.377 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059607.D
 Acq: 16 Dec 2019 17:01

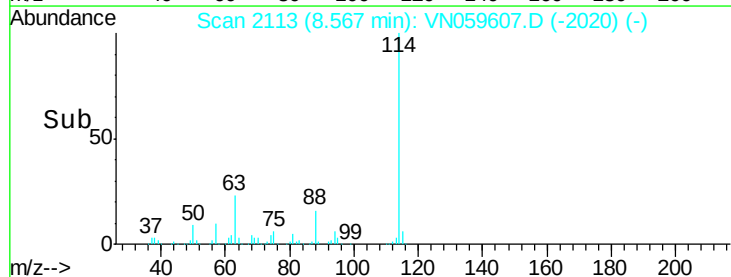
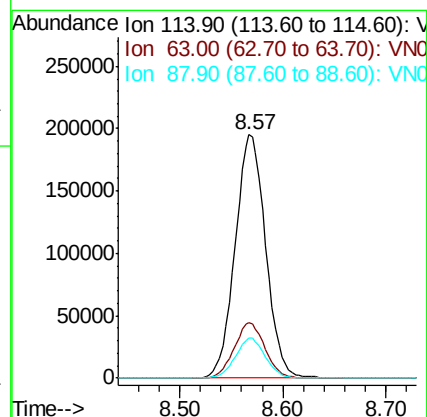
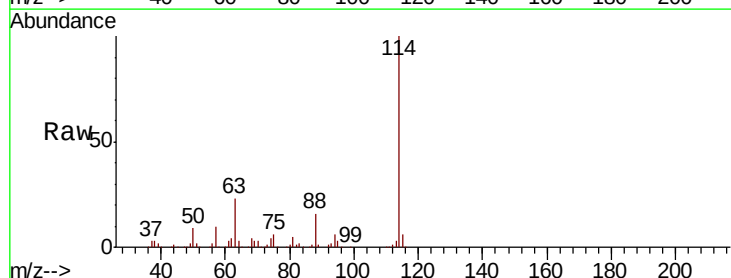
Instrument :
 MSVOA_N
 ClientSampleId :
 23810DL

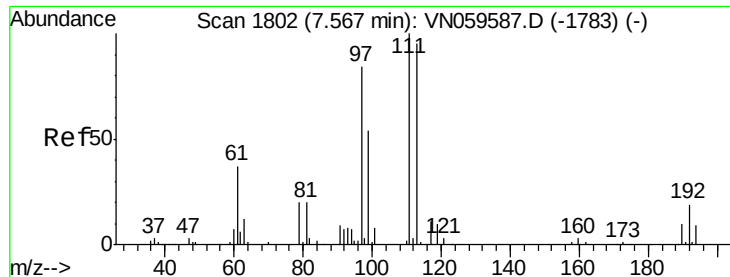
Tgt Ion: 65 Resp: 180806
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059607.D
 Acq: 16 Dec 2019 17:01

Tgt Ion: 114 Resp: 402059
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.6
 88 16.4 0.0 31.4

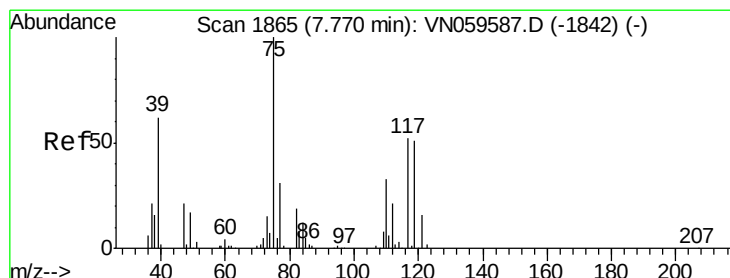
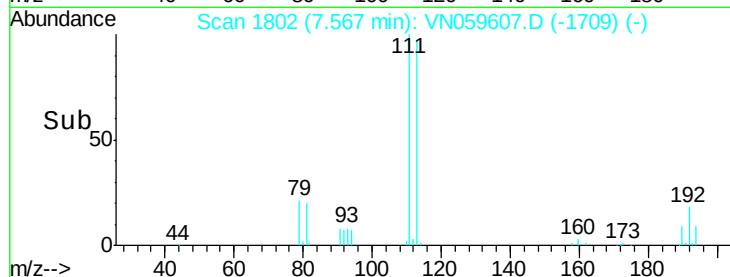
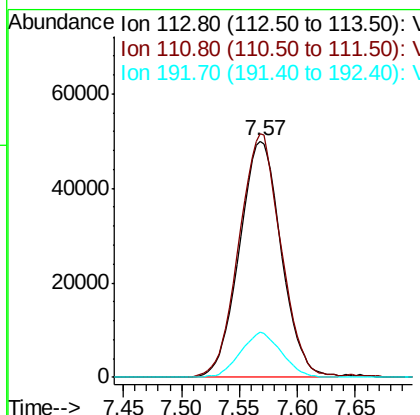
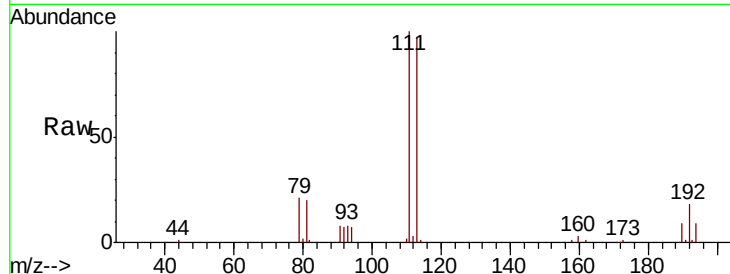




#35
 Dibromofluoromethane
 Concen: 49.913 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059607.D
 Acq: 16 Dec 2019 17:01

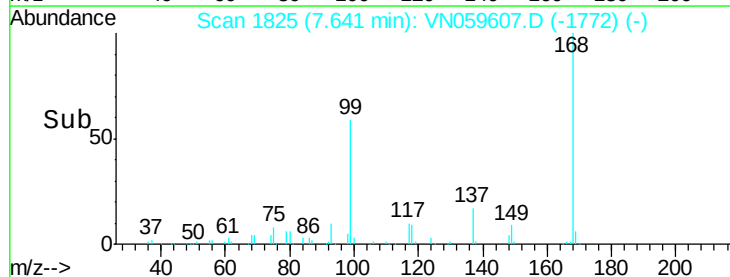
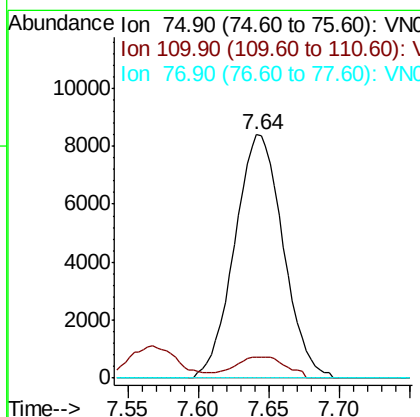
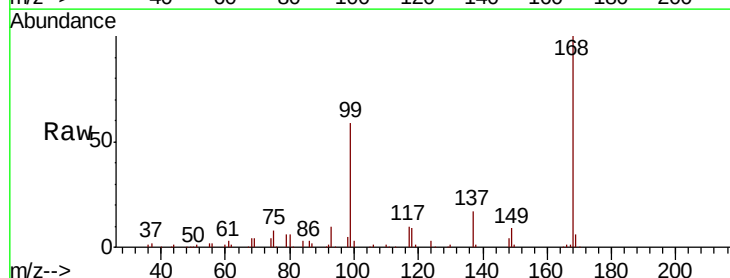
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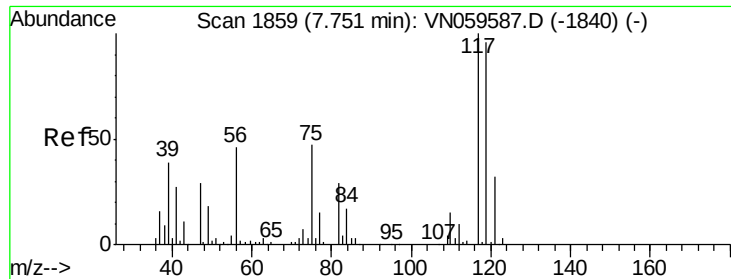
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	18.7	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059607.D
 Acq: 16 Dec 2019 17:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.6	49.7#
77	0.0	25.1	37.7#

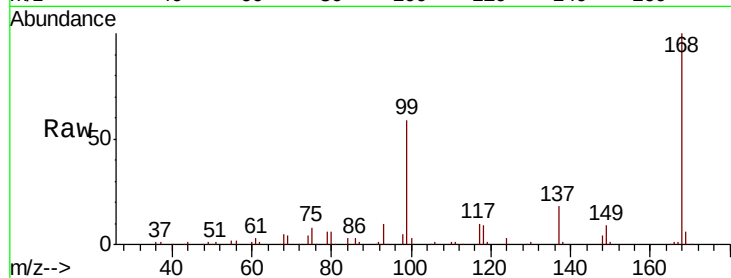




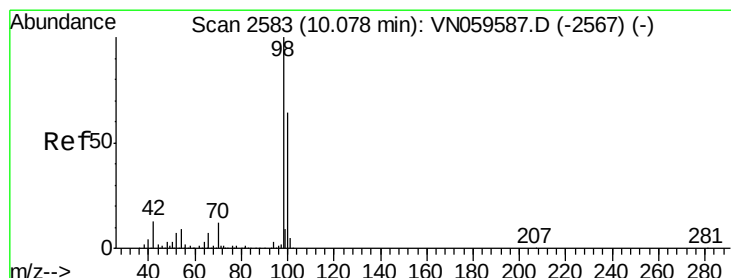
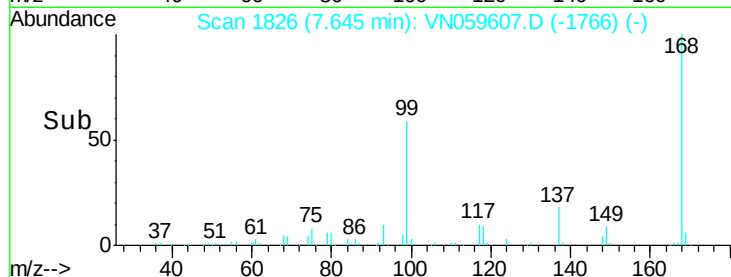
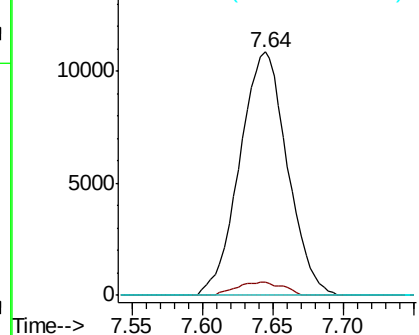
#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059607.D
Acq: 16 Dec 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
23810DL

Tgt Ion: 117 Resp: 25616
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 25.1 37.7#

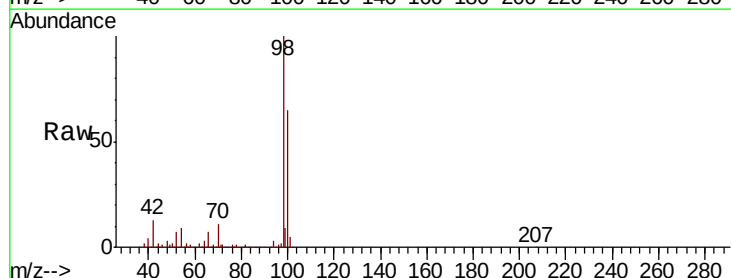


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

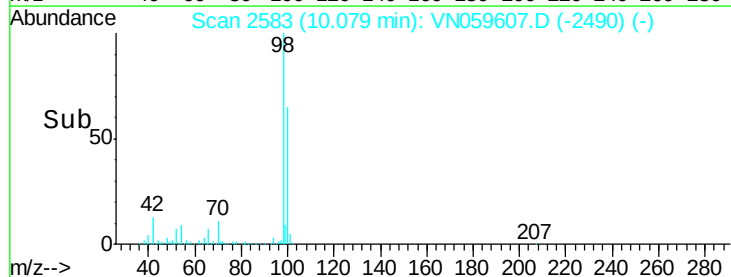
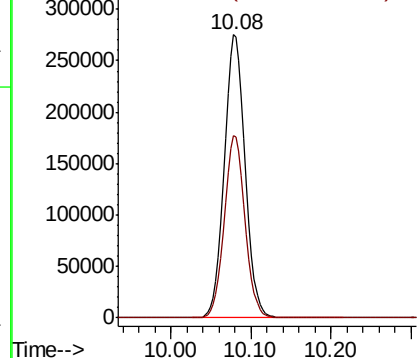


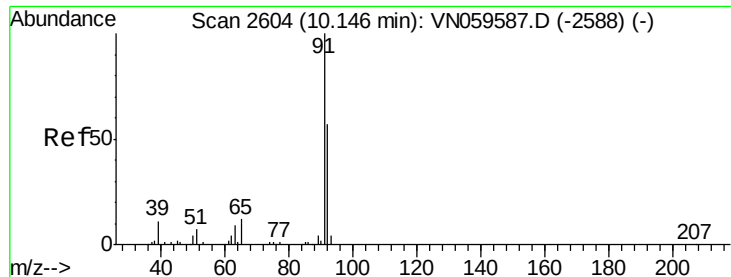
#50
Toluene-d8
Concen: 50.029 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059607.D
Acq: 16 Dec 2019 17:01

Tgt Ion: 98 Resp: 498273
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 1.559 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

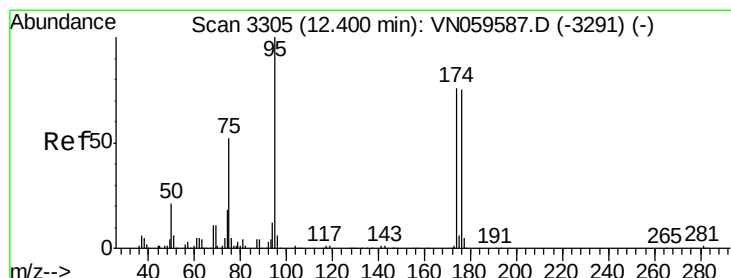
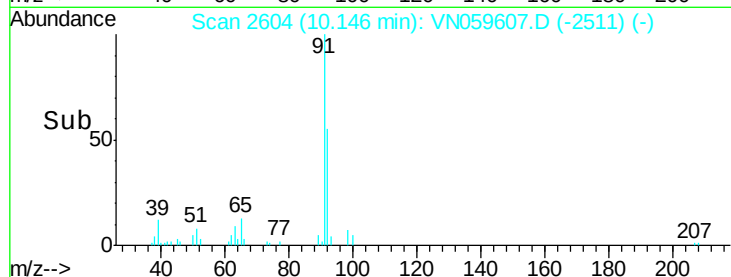
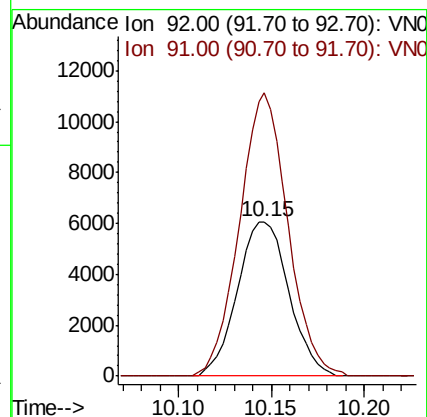
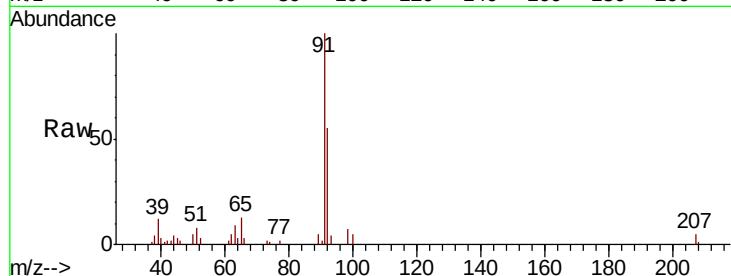
23810DL

Tgt Ion: 92 Resp: 11739

Ion Ratio Lower Upper

92 100

91 171.9 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 45.733 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

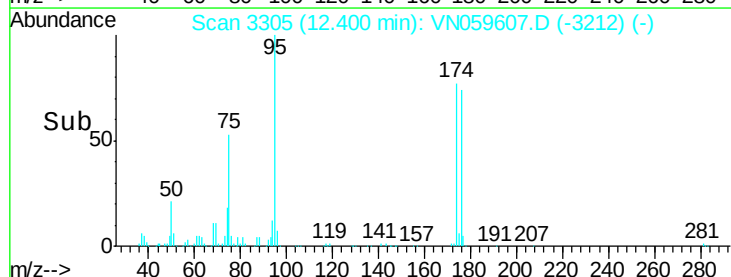
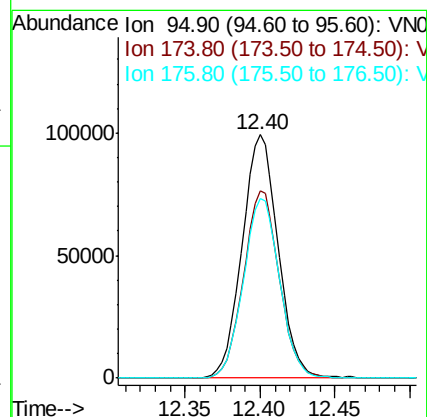
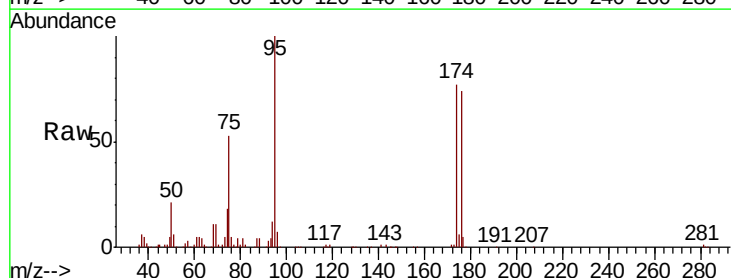
Tgt Ion: 95 Resp: 166203

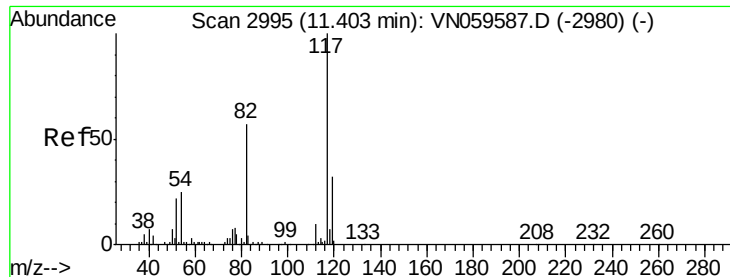
Ion Ratio Lower Upper

95 100

174 76.3 0.0 151.4

176 74.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

23810DL

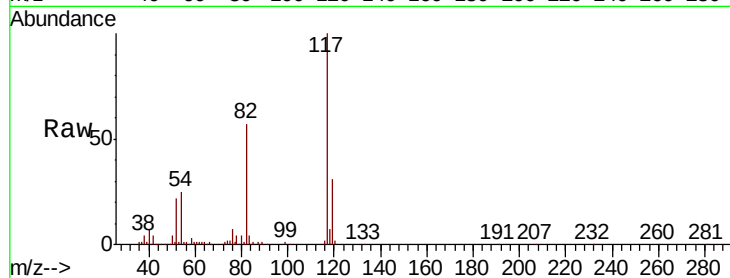
Tgt Ion:117 Resp: 363624

Ion Ratio Lower Upper

117 100

82 57.0 45.9 68.9

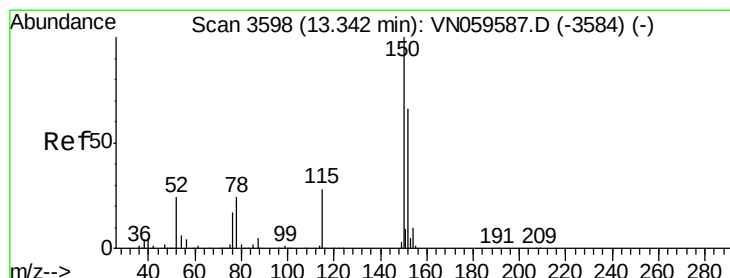
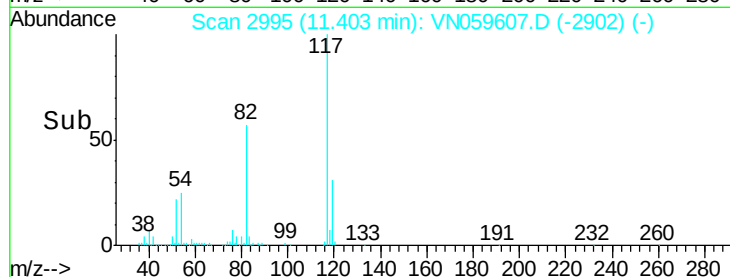
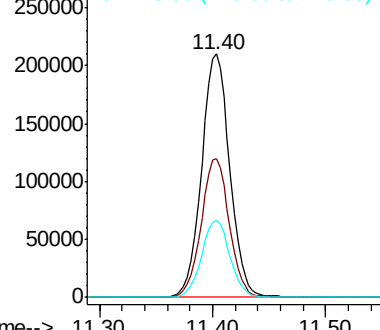
119 31.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

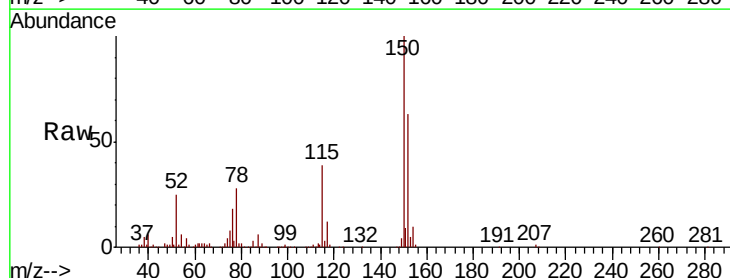
Tgt Ion:152 Resp: 145749

Ion Ratio Lower Upper

152 100

115 61.5 30.3 90.9

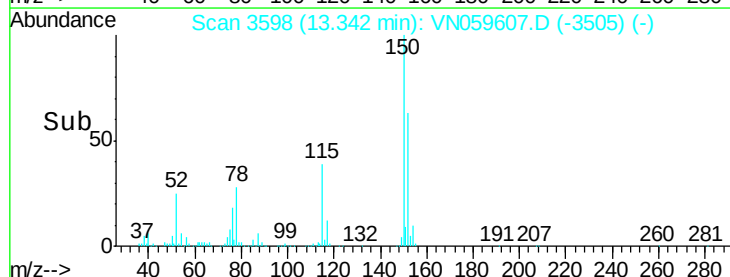
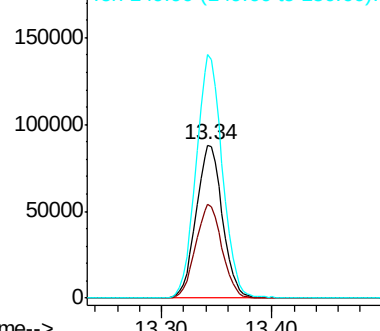
150 158.5 0.0 345.2

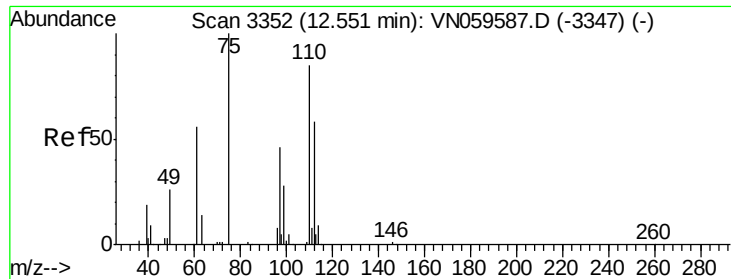


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.994 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

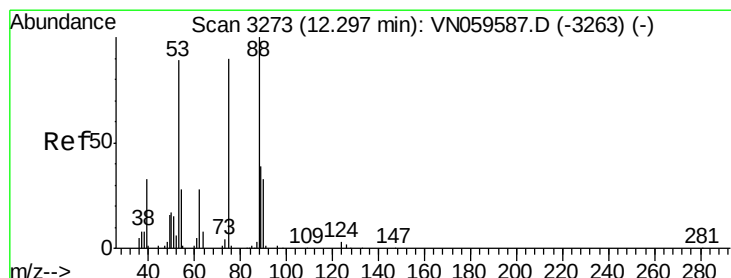
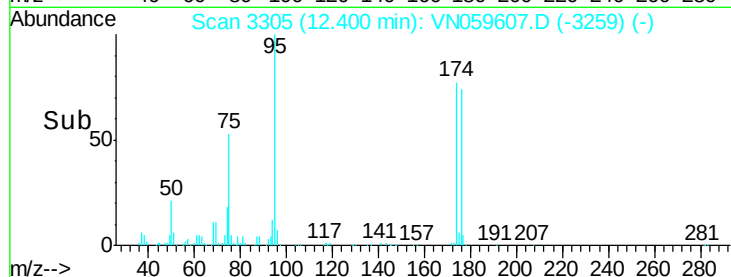
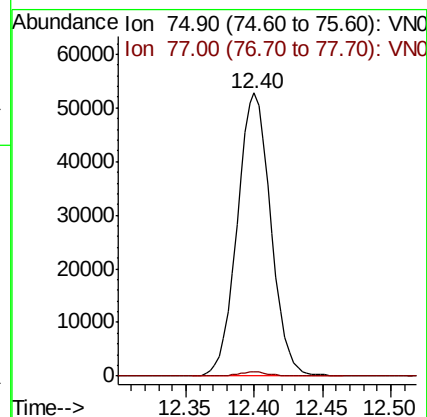
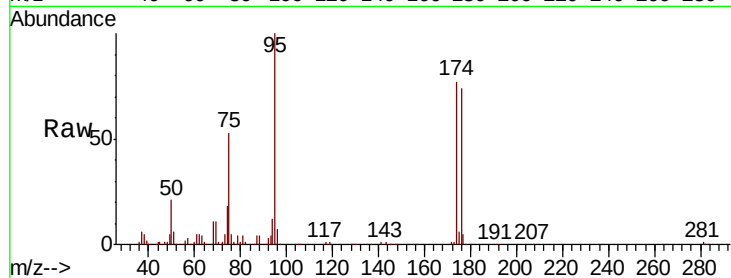
23810DL

Tgt Ion: 75 Resp: 90181

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.732 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

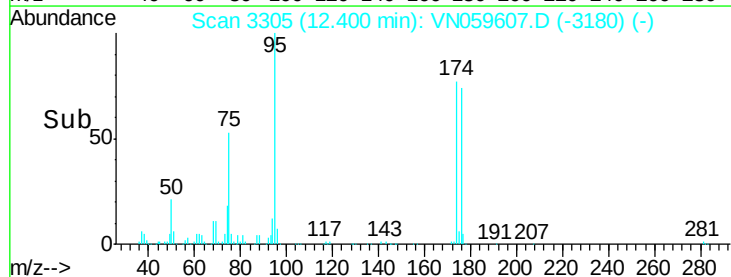
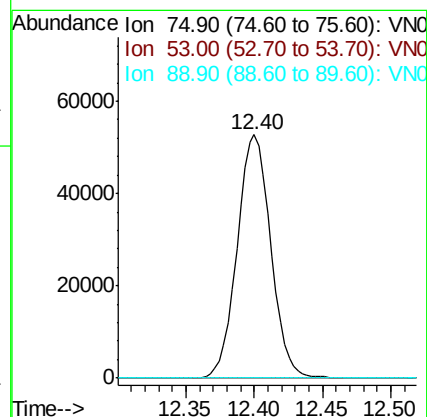
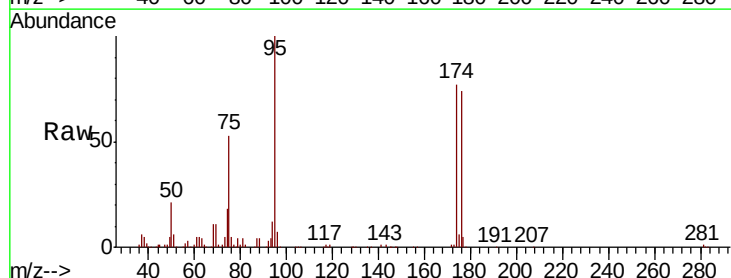
Tgt Ion: 75 Resp: 90181

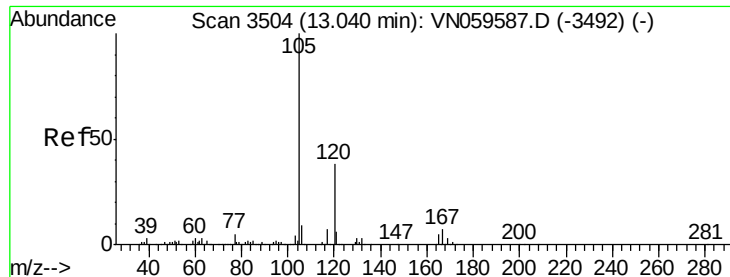
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.224 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

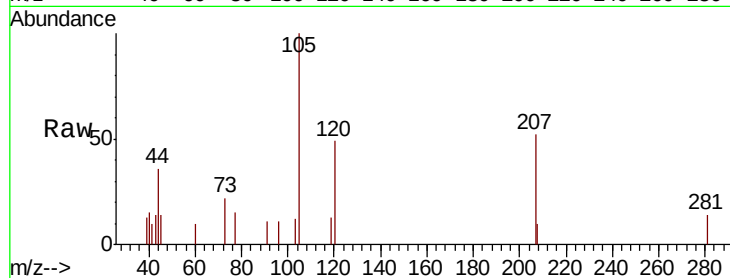
23810DL

Tgt Ion:105 Resp: 2160

Ion Ratio Lower Upper

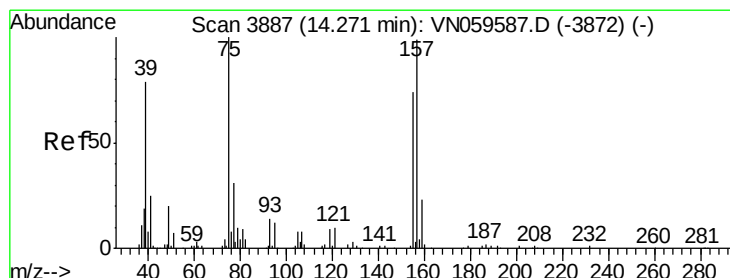
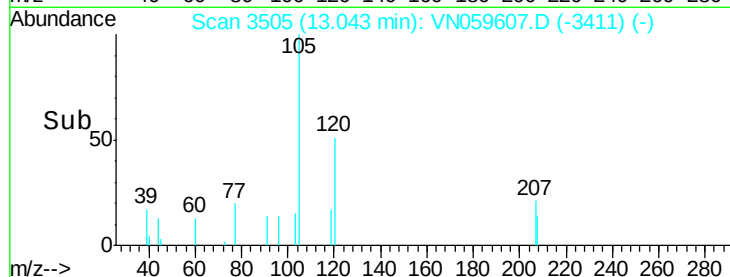
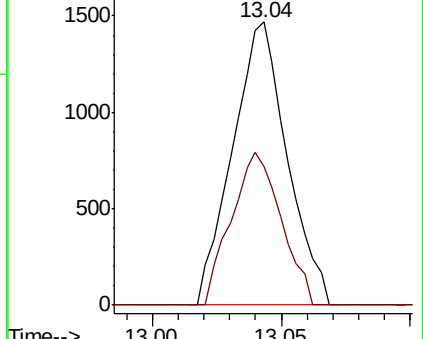
105 100

120 49.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.774 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN059607.D

Acq: 16 Dec 2019 17:01

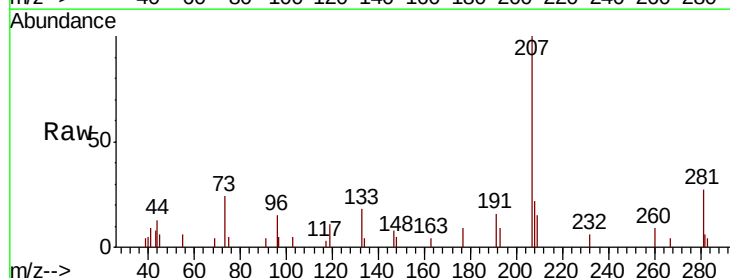
Tgt Ion: 75 Resp: 156

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

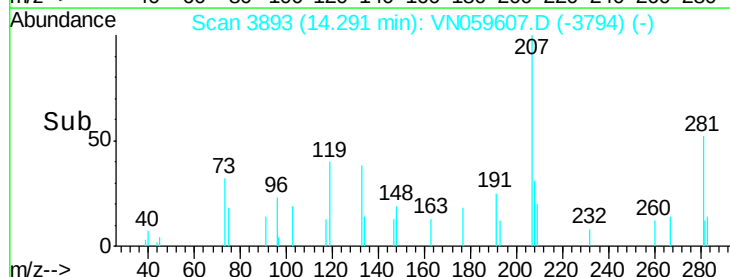
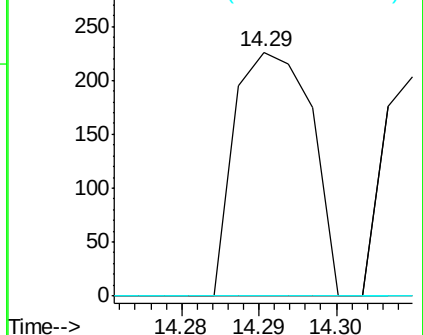
157 0.0 48.4 145.2#

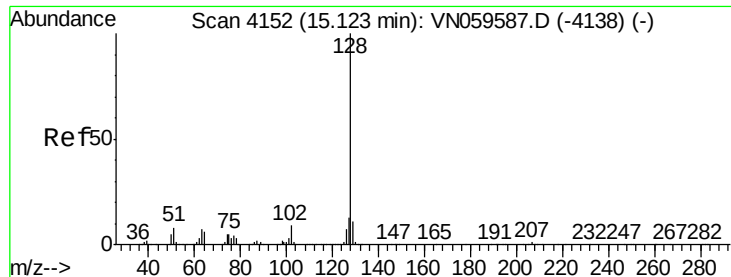


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 0.473 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059607.D
Acq: 16 Dec 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
23810DL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	12.1	8.6	12.8

