

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056119.D
 Acq On : 7 Jun 2019 23:56
 Operator : JC/SP
 Sample : K3193-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-1-OW

Quant Time: Jun 08 07:08:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	334249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178287	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	167544	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	144737	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.09	98	609108	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.40	95	202137	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	

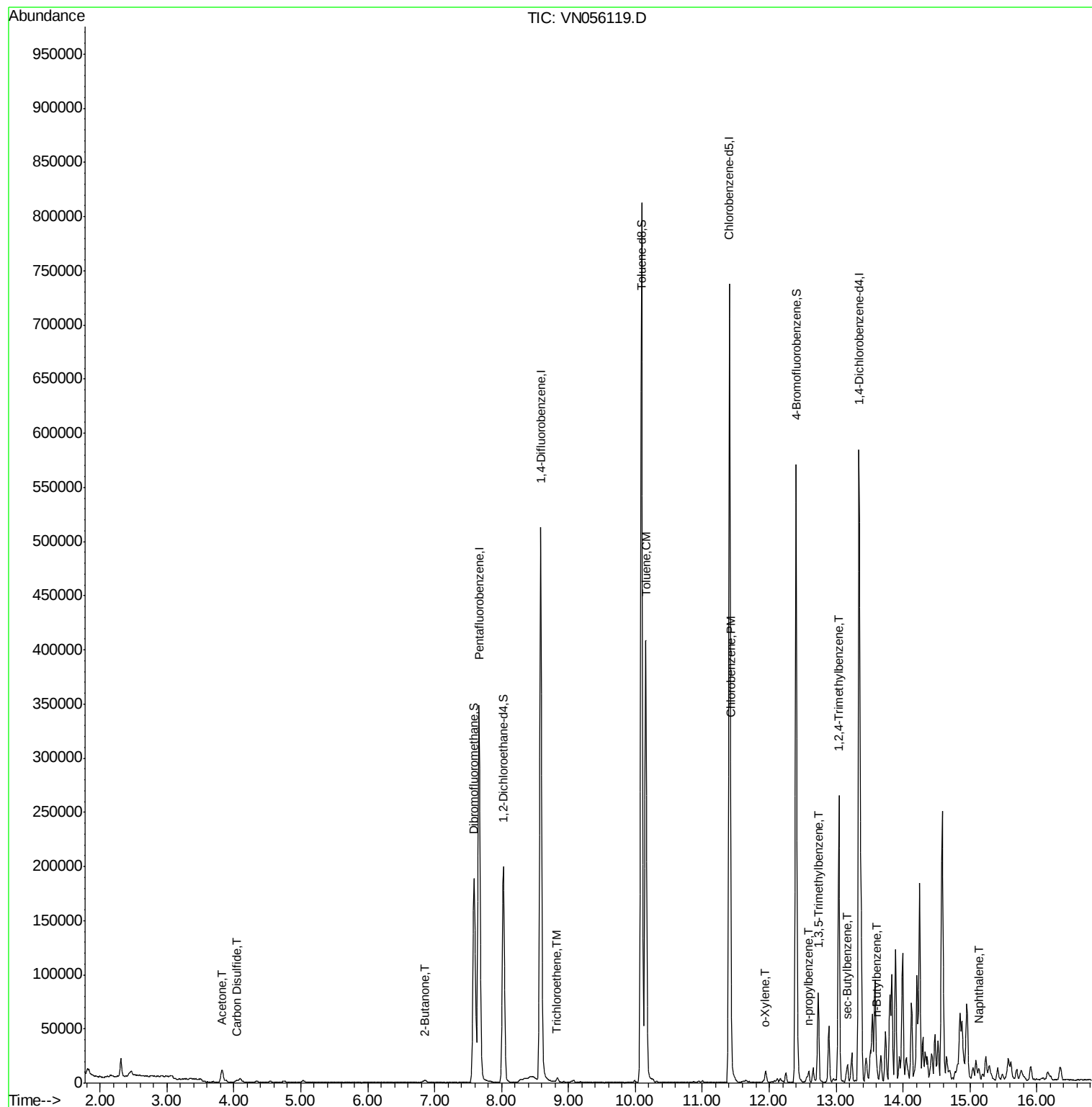
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	20171	12.708	ug/l	98
17) Carbon Disulfide	4.04	76	3872	0.576	ug/l	96
25) 2-Butanone	6.86	43	3946	1.968	ug/l	94
44) Trichloroethene	8.84	130	1478	0.389	ug/l	96
52) Toluene	10.15	92	188124	22.869	ug/l	98
65) Chlorobenzene	11.43	112	3713	0.387	ug/l	90
69) o-Xylene	11.95	106	3272	0.522	ug/l	97
78) n-propylbenzene	12.59	91	9744	0.646	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	45585	3.803	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	157628	13.866	ug/l	98
85) sec-Butylbenzene	13.17	105	11087	0.830	ug/l	82
89) n-Butylbenzene	13.61	91	4351	0.491	ug/l #	68
95) Naphthalene	15.13	128	7187	4.629	ug/l #	94

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

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Quant Time: Jun 08 07:08:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

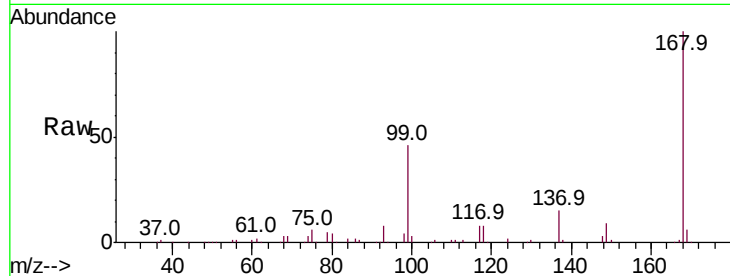
P-1-OW

Tot Ion:168 Resp: 334249

Ion Ratio Lower Upper

168 100

99 46.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

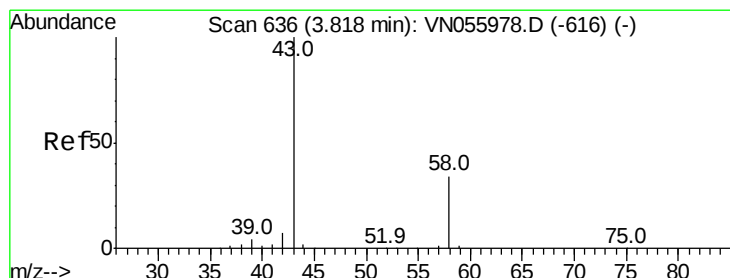
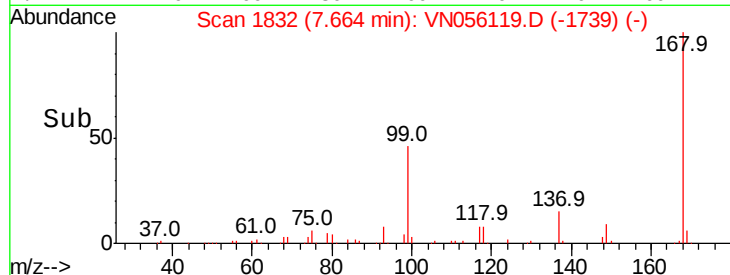
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 12.708 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056119.D

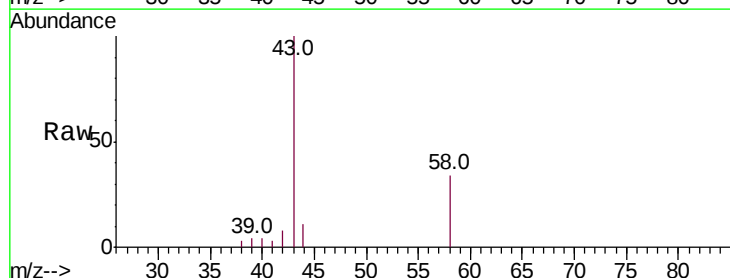
Acq: 7 Jun 2019 23:56

Tgt Ion: 43 Resp: 20171

Ion Ratio Lower Upper

43 100

58 34.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

3.82

8000

6000

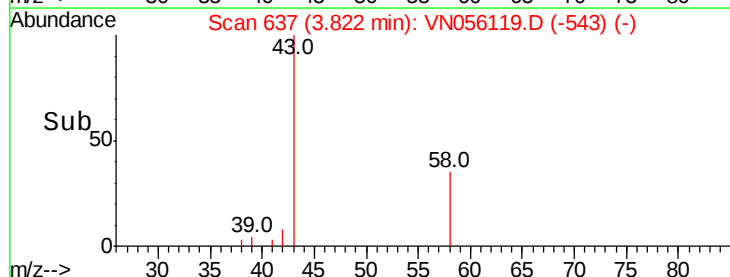
4000

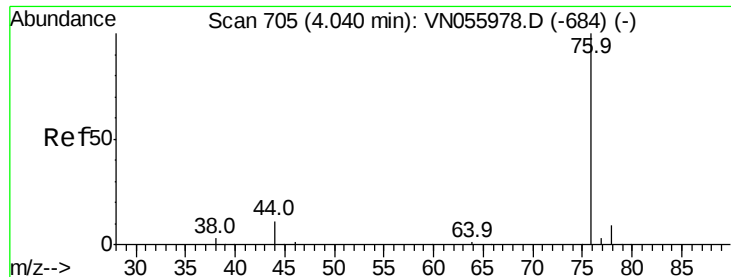
2000

0

3.75 3.80 3.85 3.90

Time-->

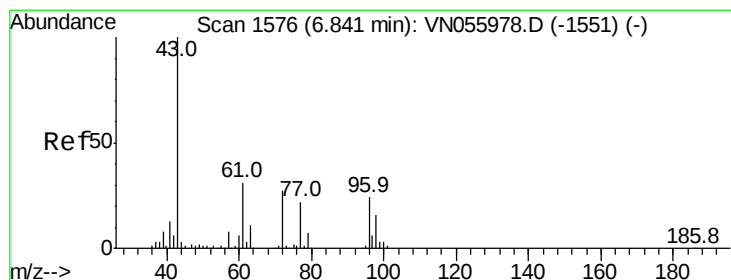
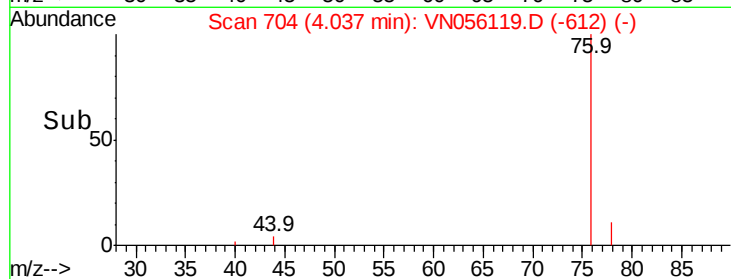
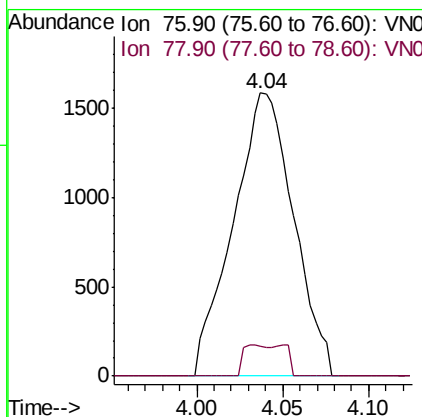
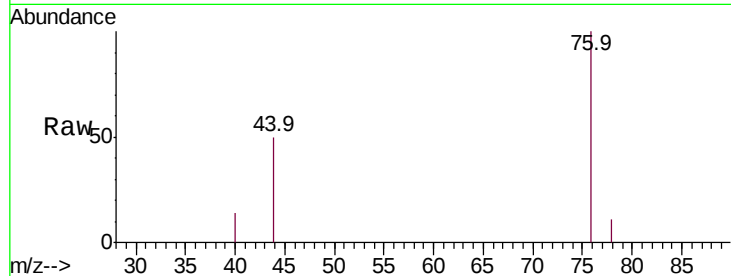




#17
Carbon Disulfide
Concen: 0.576 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

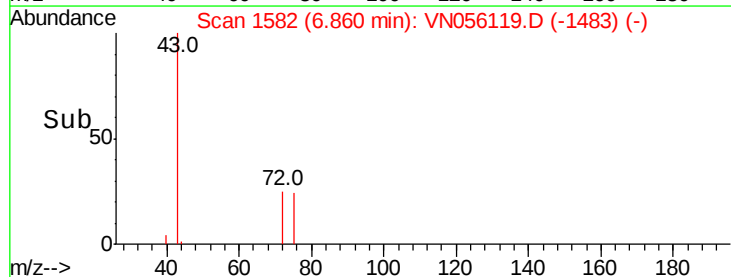
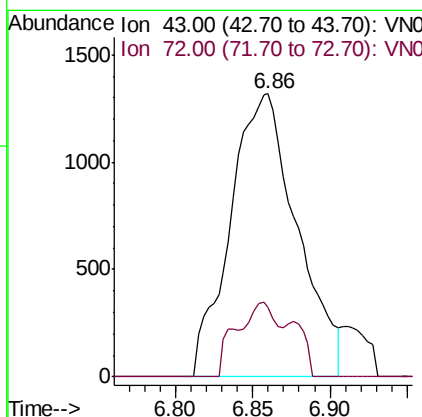
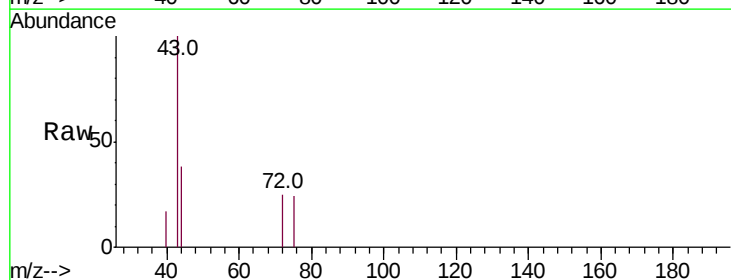
Instrument :
MSVOA_N
ClientSampled :
P-1-OW

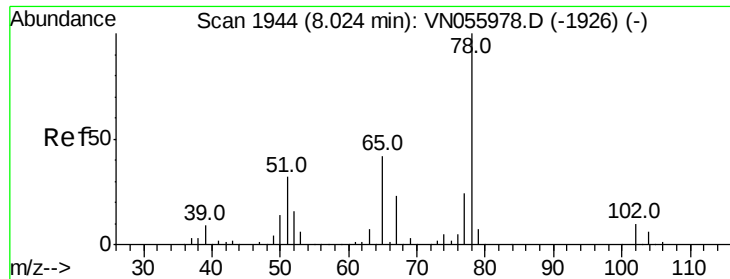
Tot Ion: 76 Resp: 3872
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.2



#25
2-Butanone
Concen: 1.968 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

Tgt Ion: 43 Resp: 3946
Ion Ratio Lower Upper
43 100
72 24.5 21.9 32.9





#33

1,2-Dichloroethane-d4

Concen: 50.483 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

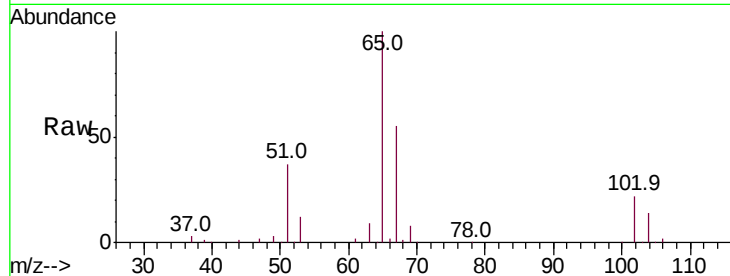
P-1-OW

Tot Ion: 65 Resp: 167544

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

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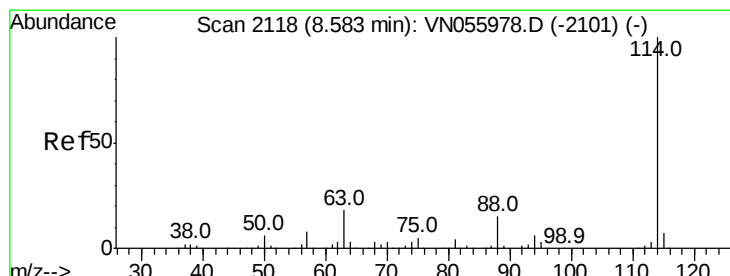
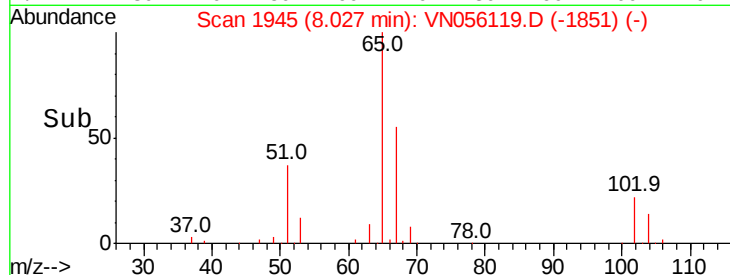
8.03

8.03

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8.03



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

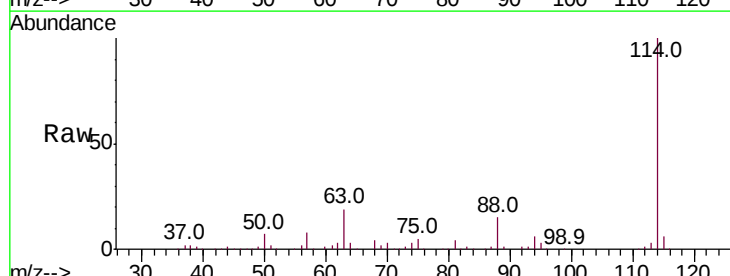
Tgt Ion:114 Resp: 506196

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

88 14.9 0.0 31.0



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

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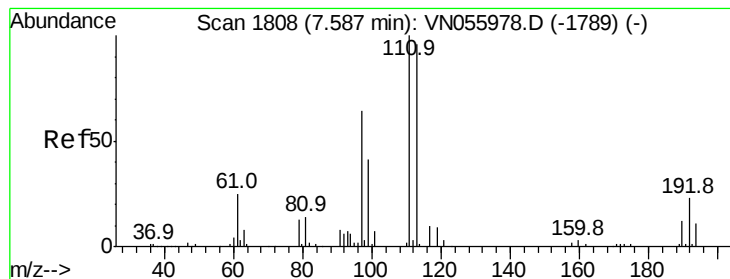
8.58

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#35

Dibromofluoromethane

Concen: 46.604 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

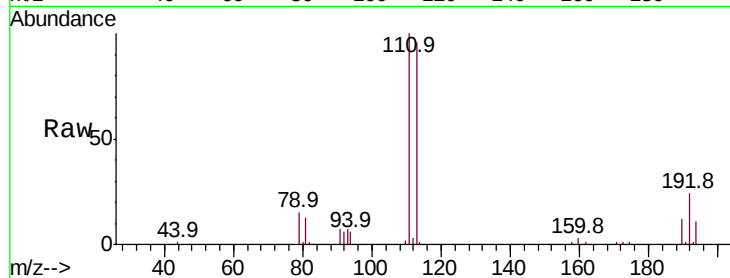
Tot Ion:113 Resp: 144737

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

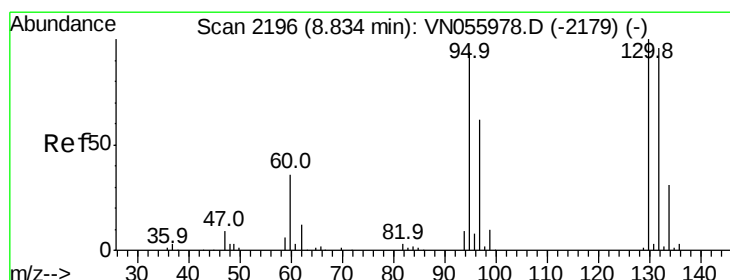
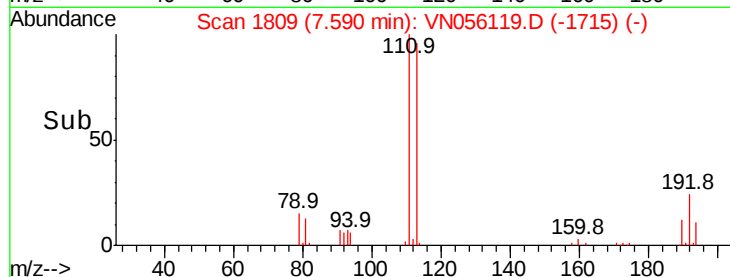
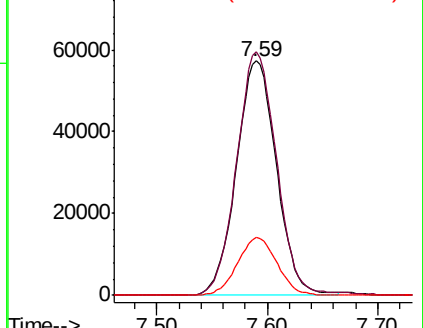
192 24.4 19.5 29.3



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



#44

Trichloroethene

Concen: 0.389 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056119.D

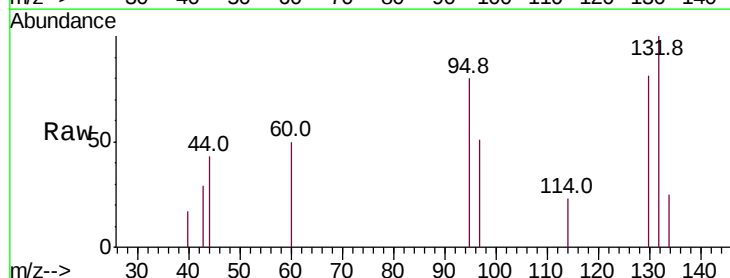
Acq: 7 Jun 2019 23:56

Tgt Ion:130 Resp: 1478

Ion Ratio Lower Upper

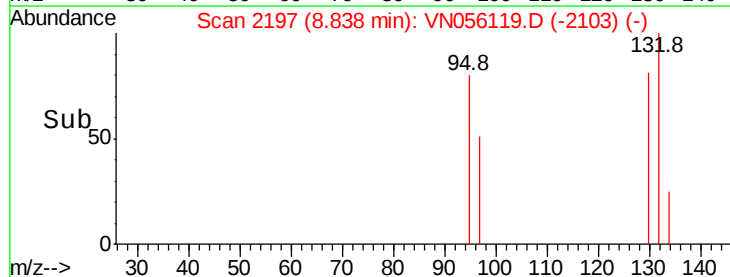
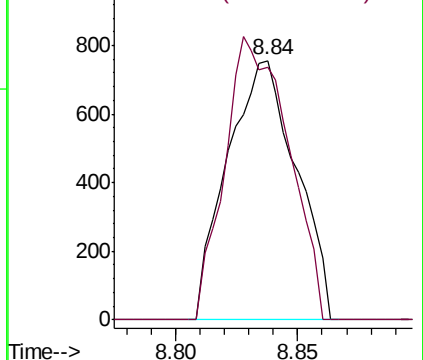
130 100

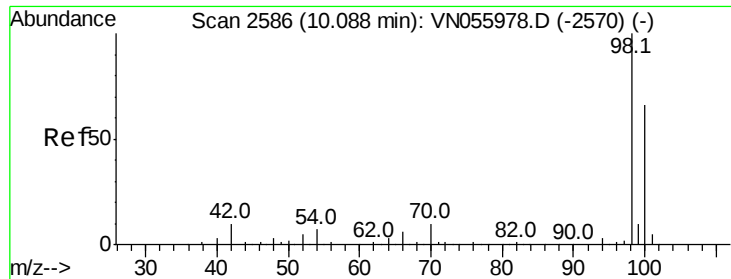
95 97.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN





#50

Toluene-d8

Concen: 50.969 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

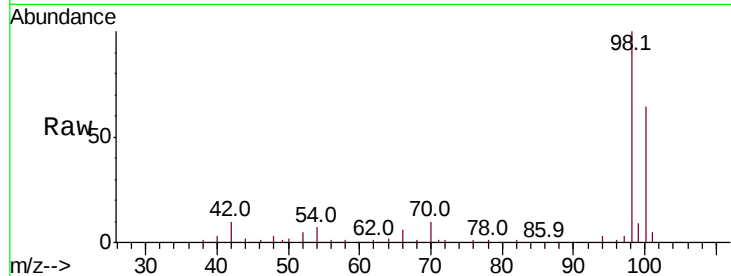
P-1-OW

Tot Ion: 98 Resp: 609108

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

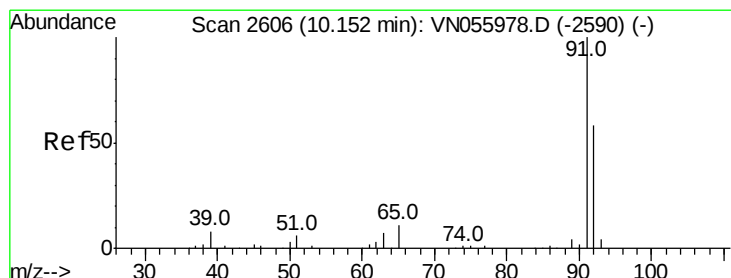
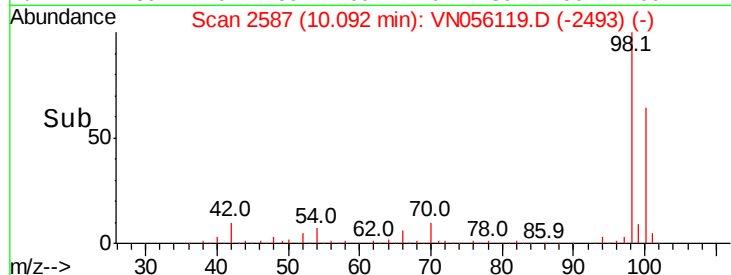
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.869 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056119.D

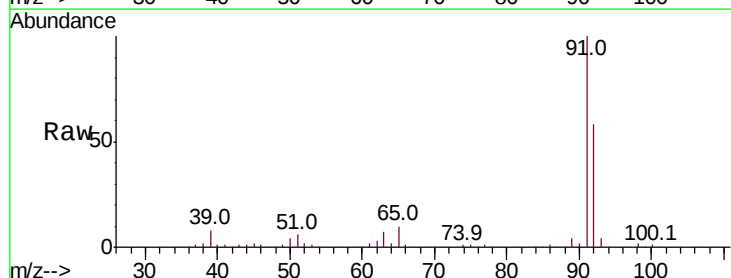
Acq: 7 Jun 2019 23:56

Tgt Ion: 92 Resp: 188124

Ion Ratio Lower Upper

92 100

91 172.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

200000

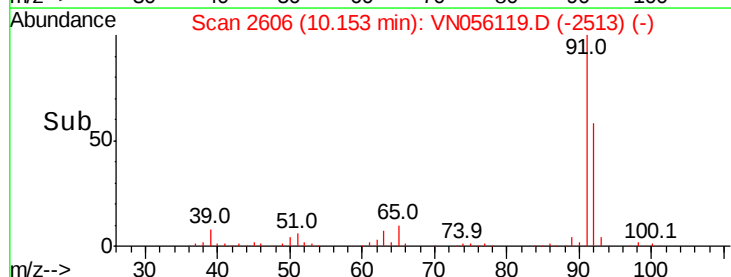
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100000

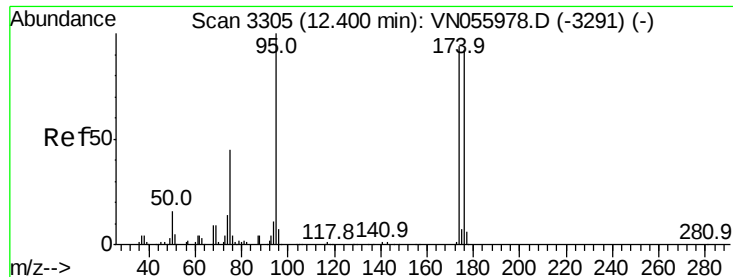
50000

0

Time-->



10.15



#62

4-Bromofluorobenzene

Concen: 49.737 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

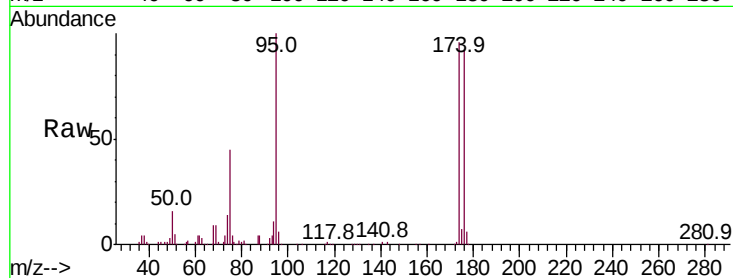
Tot Ion: 95 Resp: 202137

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.0

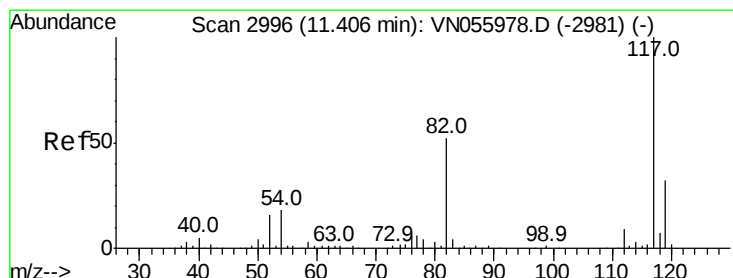
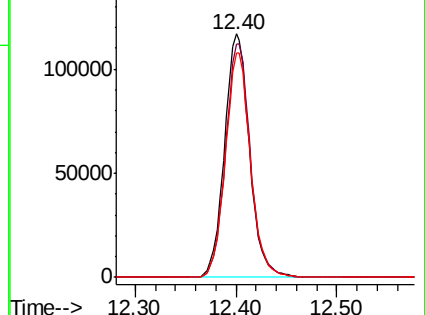
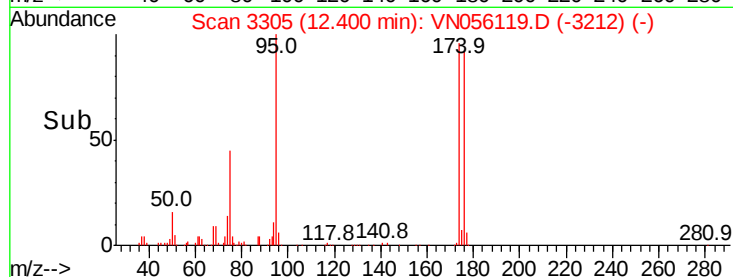
176 92.2 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

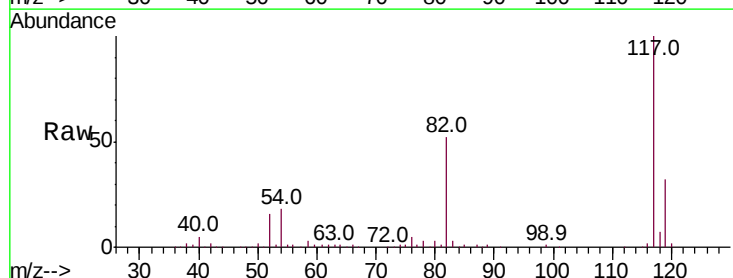
Tgt Ion: 117 Resp: 482158

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

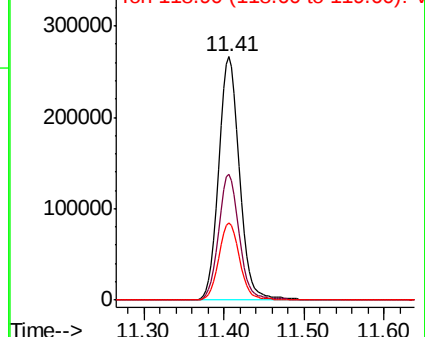
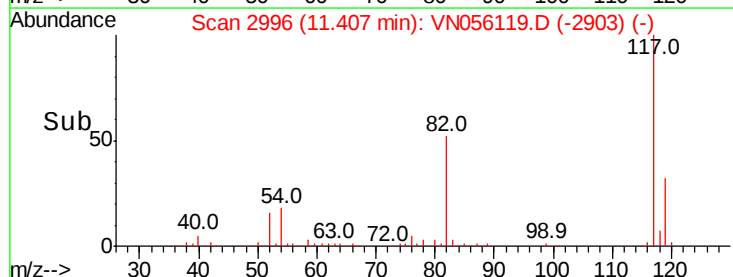
119 31.7 25.4 38.0

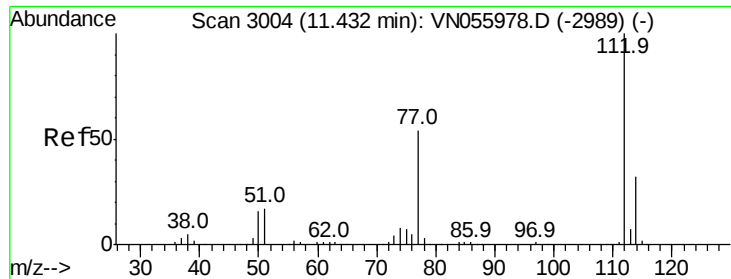


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

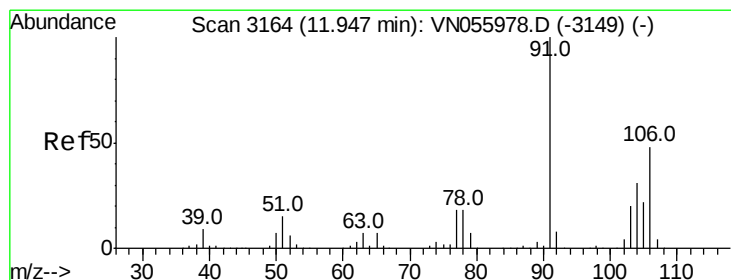
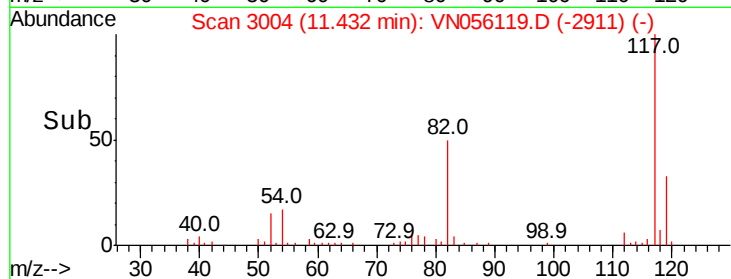
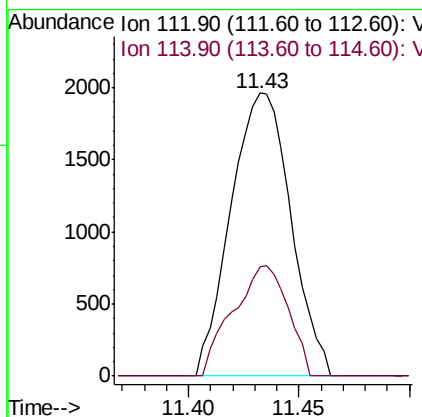
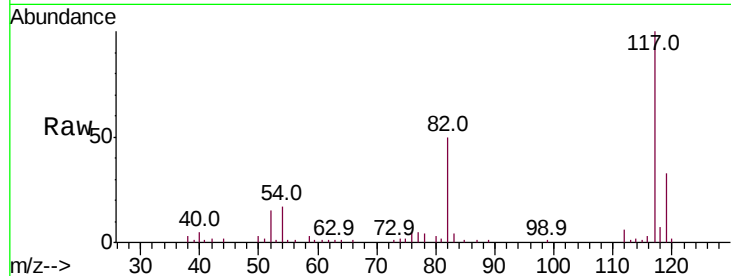




#65
Chlorobenzene
Concen: 0.387 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

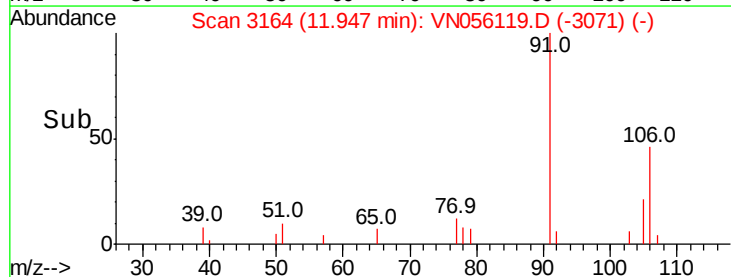
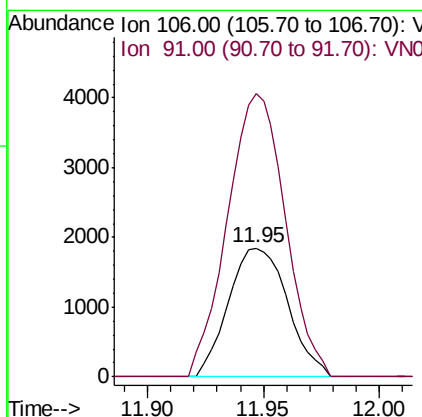
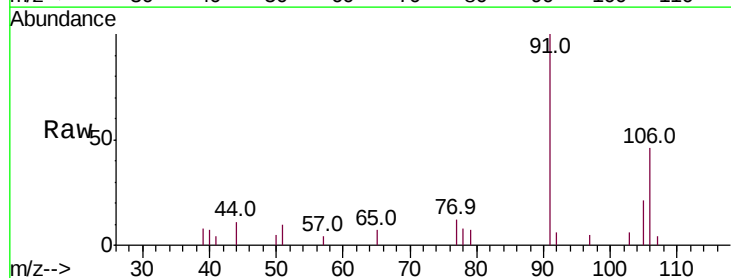
Instrument :
MSVOA_N
ClientSampled :
P-1-OW

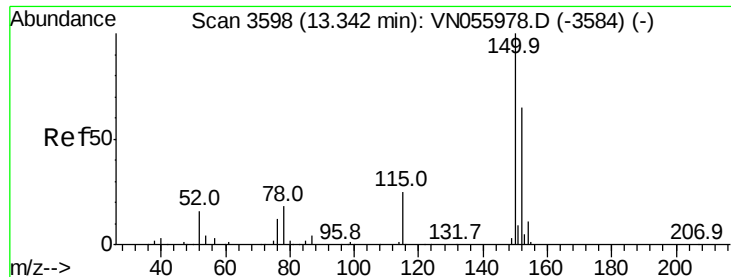
Tot Ion:112 Resp: 3713
Ion Ratio Lower Upper
112 100
114 38.5 26.2 39.4



#69
o-Xylene
Concen: 0.522 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

Tgt Ion:106 Resp: 3272
Ion Ratio Lower Upper
106 100
91 214.7 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

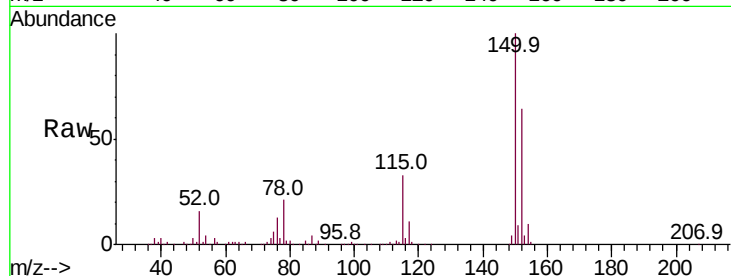
Tot Ion:152 Resp: 178287

Ion Ratio Lower Upper

152 100

115 54.4 27.0 81.0

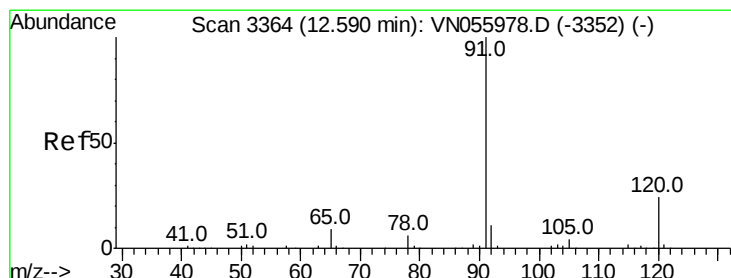
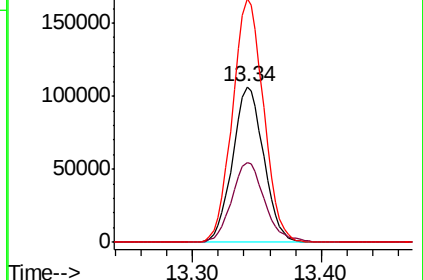
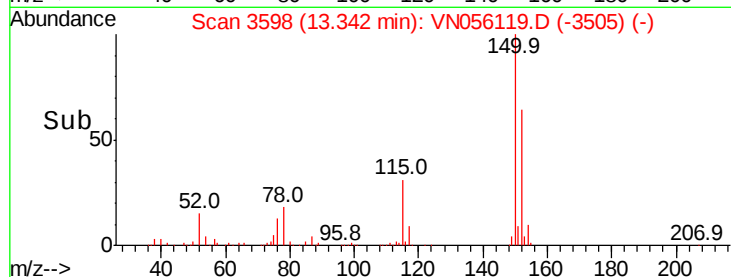
150 156.2 0.0 343.2



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



#78

n-propylbenzene

Concen: 0.646 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056119.D

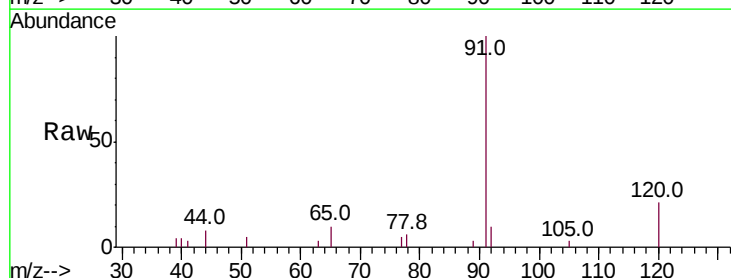
Acq: 7 Jun 2019 23:56

Tgt Ion: 91 Resp: 9744

Ion Ratio Lower Upper

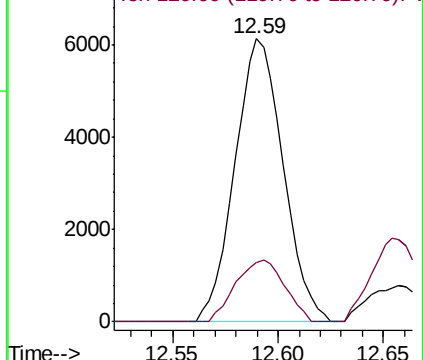
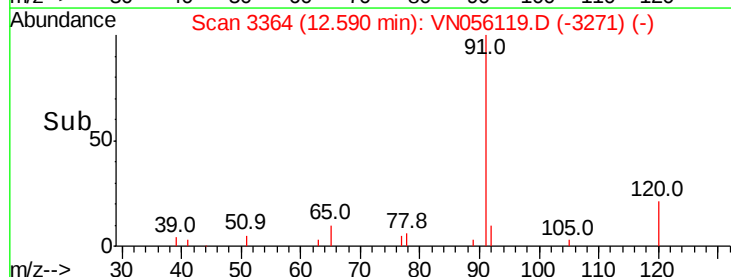
91 100

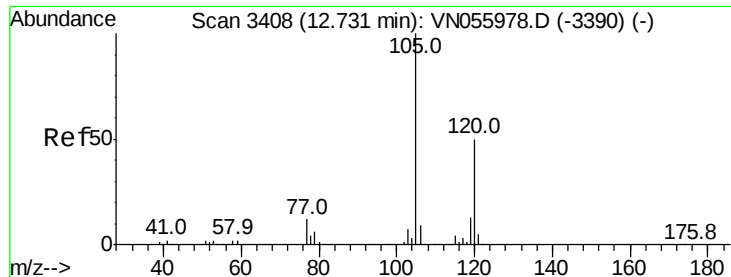
120 22.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.803 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

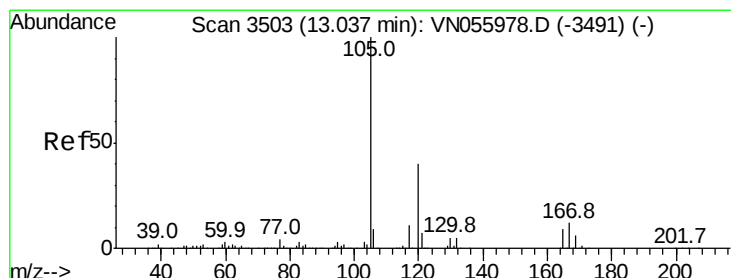
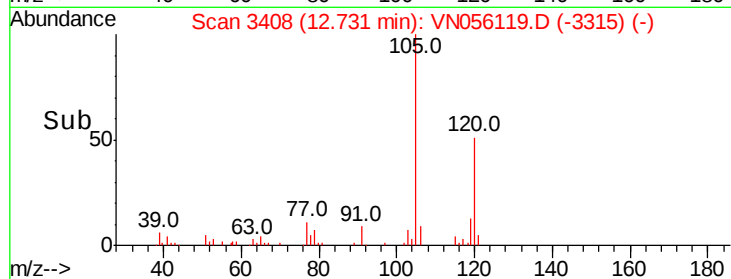
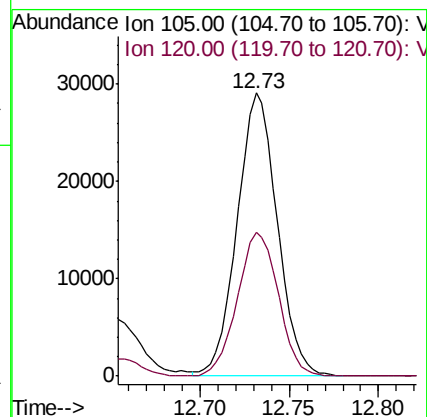
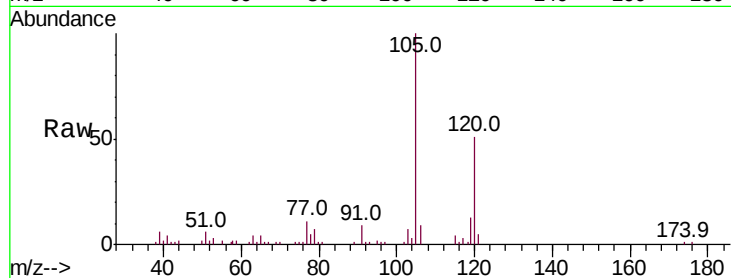
P-1-OW

Tot Ion:105 Resp: 45585

Ion Ratio Lower Upper

105 100

120 51.7 24.7 74.1



#84

1,2,4-Trimethylbenzene

Concen: 13.866 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056119.D

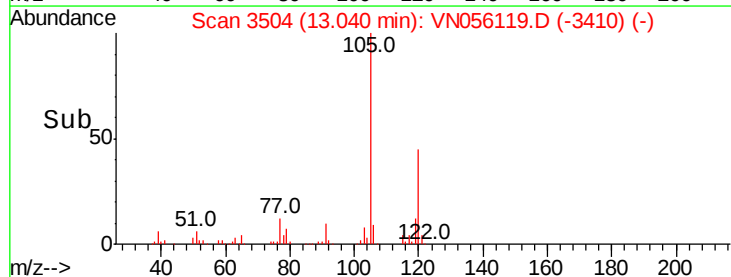
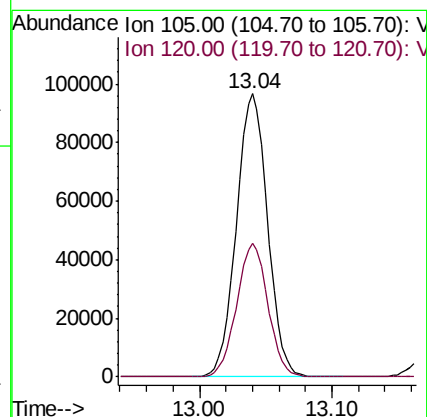
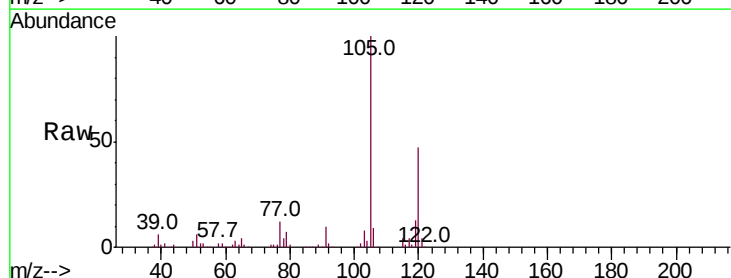
Acq: 7 Jun 2019 23:56

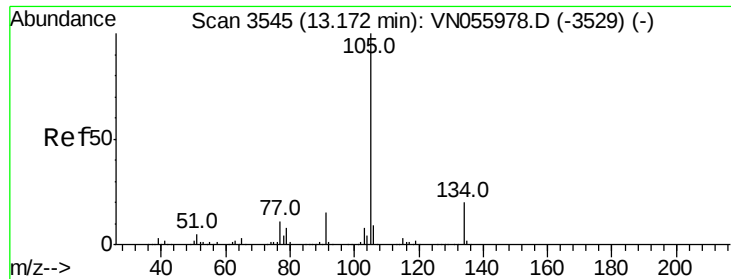
Tgt Ion:105 Resp: 157628

Ion Ratio Lower Upper

105 100

120 47.3 23.0 69.0

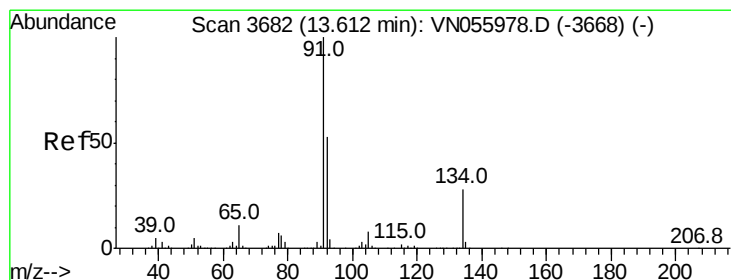
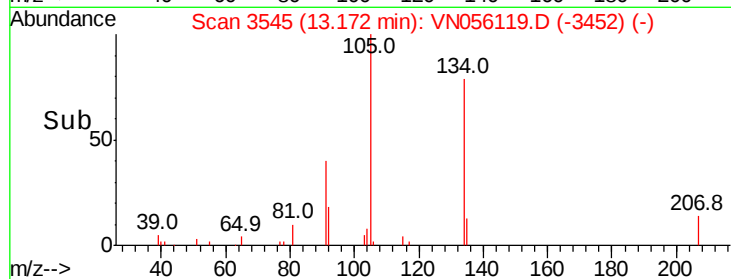
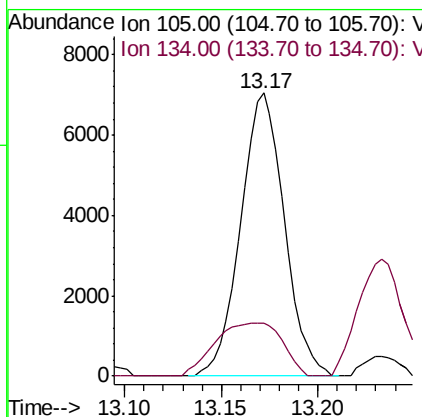
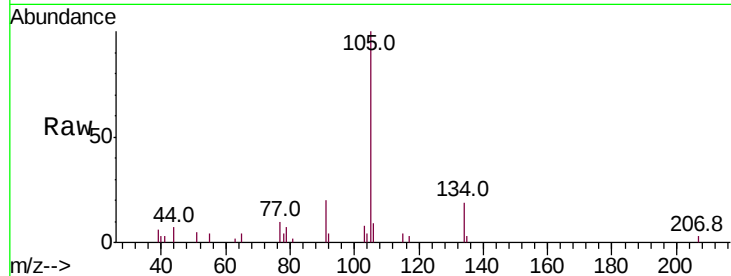




#85
 sec-Butylbenzene
 Concen: 0.830 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

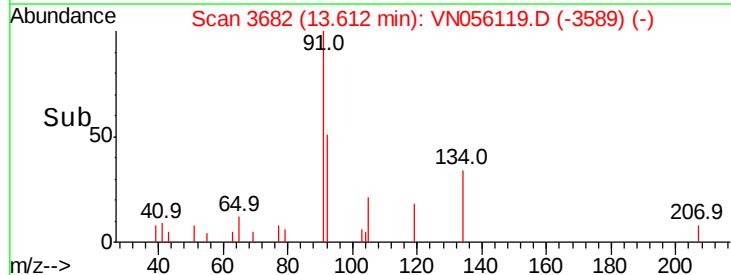
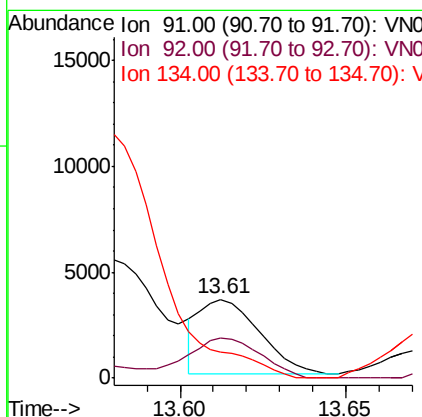
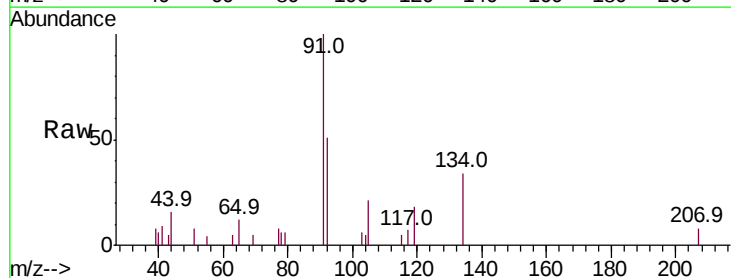
Instrument :
 MSVOA_N
 ClientSampled :
 P-1-OW

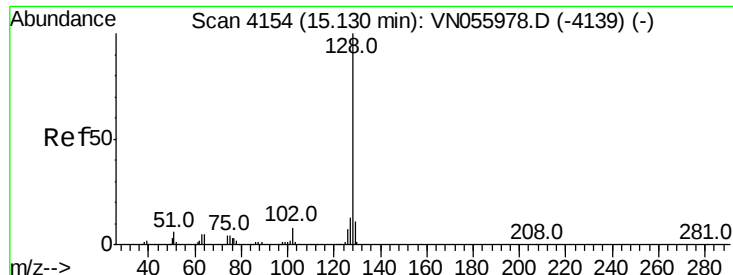
Tot Ion:105 Resp: 11087
 Ion Ratio Lower Upper
 105 100
 134 29.1 10.4 31.2



#89
 n-Butylbenzene
 Concen: 0.491 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Tgt Ion: 91 Resp: 4351
 Ion Ratio Lower Upper
 91 100
 92 67.5 26.4 79.0
 134 0.0 13.9 41.7#





#95

Naphthalene

Concen: 4.629 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

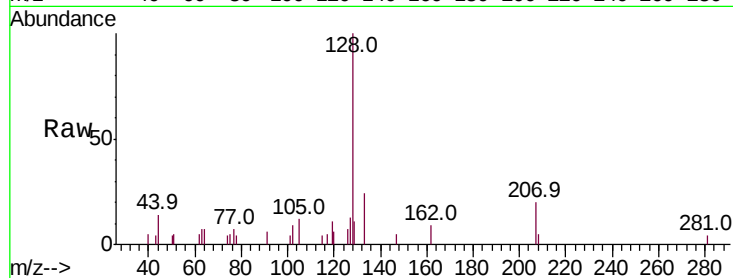
Tot Ion:128 Resp: 7187

Ion Ratio Lower Upper

128 100

127 15.1 10.3 15.5

129 13.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

