

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056780.D
 Acq On : 16 Jul 2019 19:39
 Operator : JC/SP
 Sample : K3622-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-071519-B

Quant Time: Jul 17 03:39:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	254491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	461963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	500516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194684	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	152050	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	7.59	113	135831	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	590358	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.40	95	220013	58.76	ug/l	0.00
Spiked Amount			Recovery	=	117.52%	

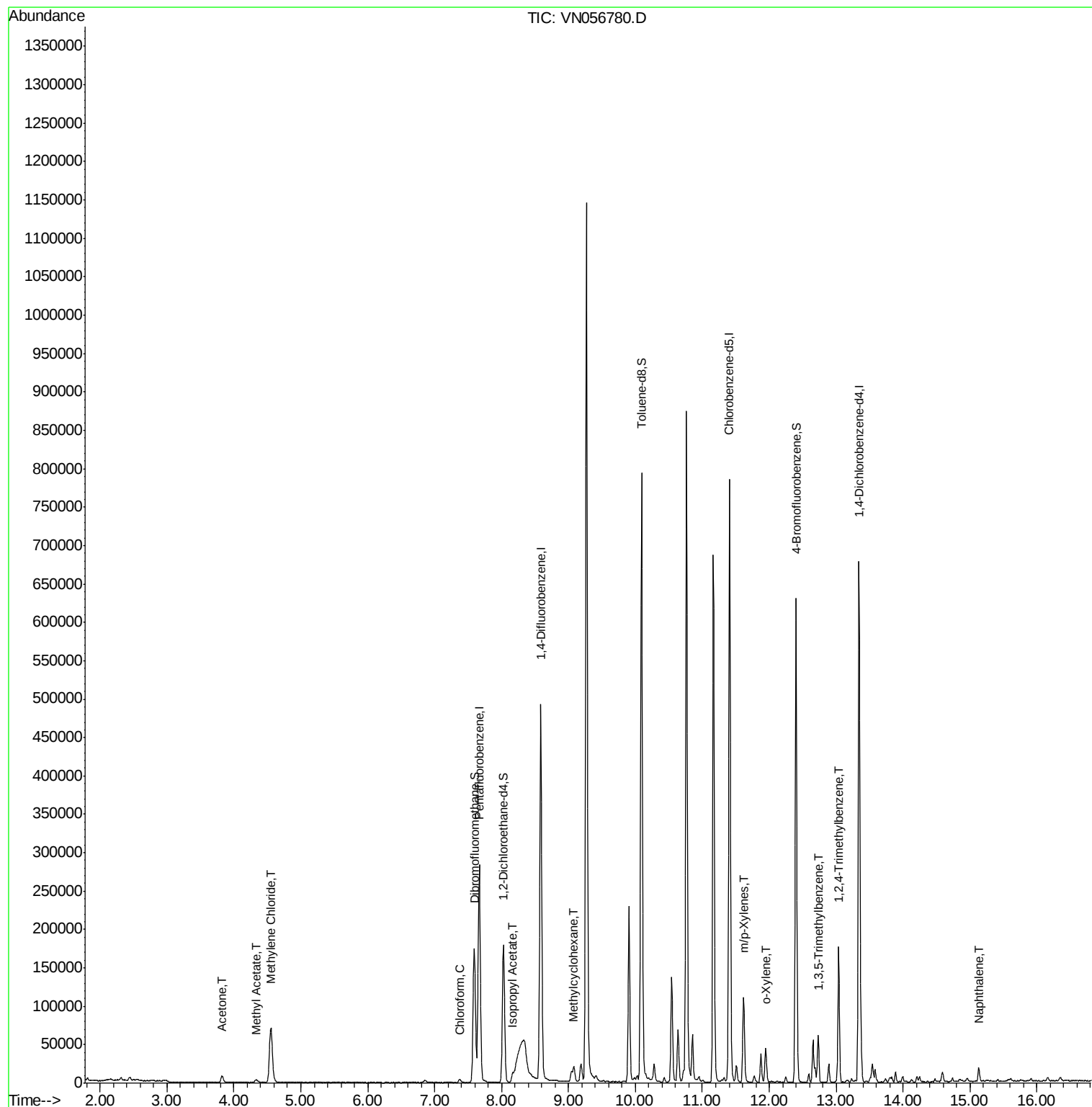
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	15915	12.268	ug/l	90
18) Methyl Acetate	4.34	43	9018	2.164	ug/l	93
20) Methylene Chloride	4.55	84	57875	20.415	ug/l	99
30) Chloroform	7.38	83	4831	1.020	ug/l	97
39) Methylcyclohexane	9.08	83	8510	1.612	ug/l	95
43) Isopropyl Acetate	8.17	43	17260	2.606	ug/l #	88
68) m/p-Xylenes	11.62	106	37346	5.556	ug/l	99
69) o-Xylene	11.95	106	10672	1.615	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	34820	2.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	102739	7.905	ug/l	100
95) Naphthalene	15.13	128	17155	6.021	ug/l	97

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

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QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

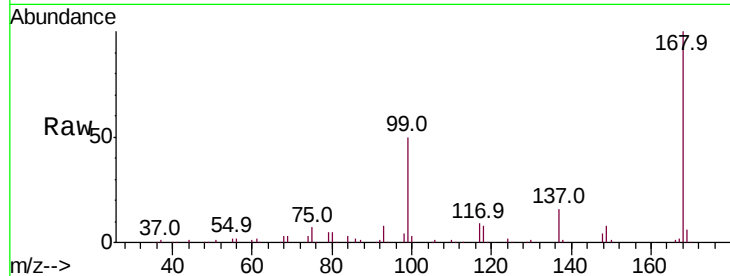
OR-03-071519-B

Tot Ion:168 Resp: 254491

Ion Ratio Lower Upper

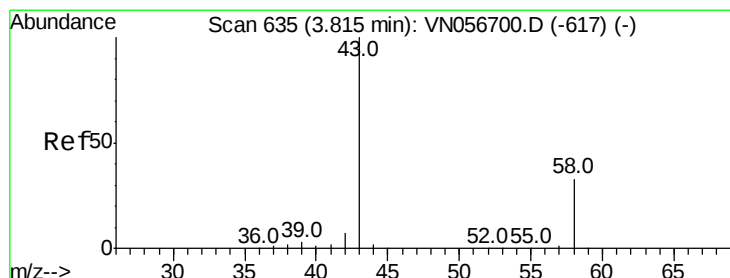
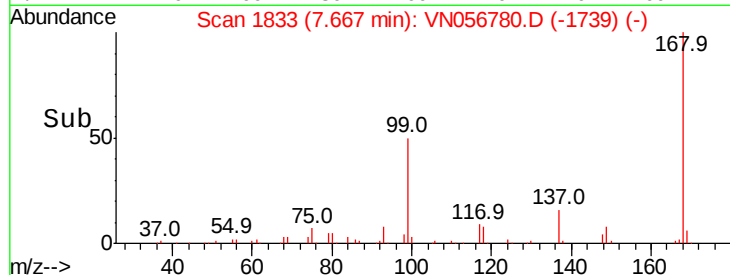
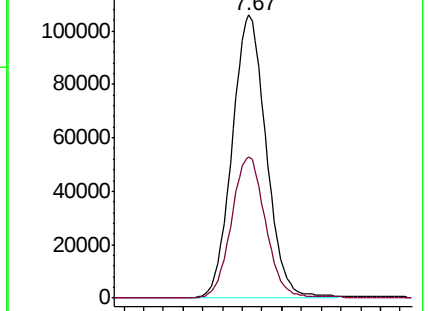
168 100

99 50.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.268 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056780.D

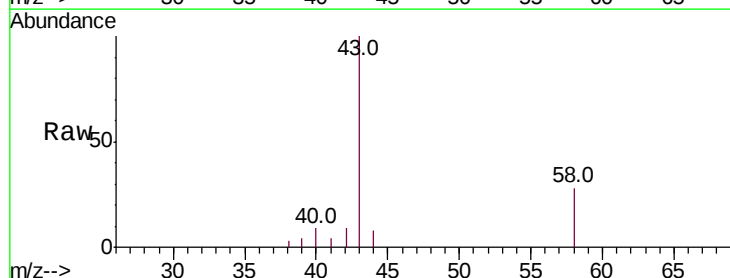
Acq: 16 Jul 2019 19:39

Tgt Ion: 43 Resp: 15915

Ion Ratio Lower Upper

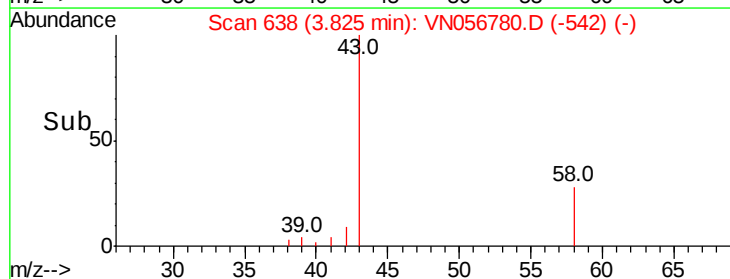
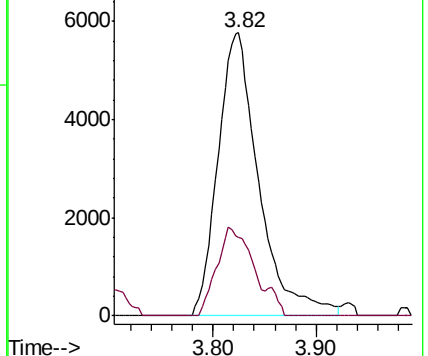
43 100

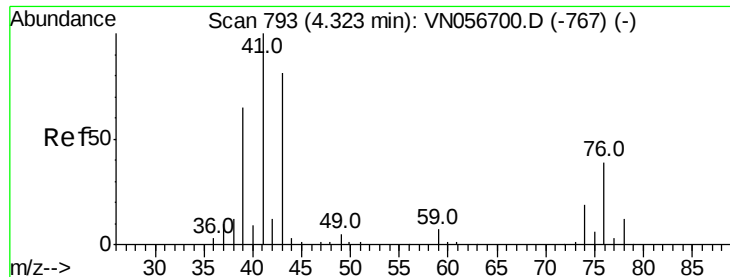
58 27.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

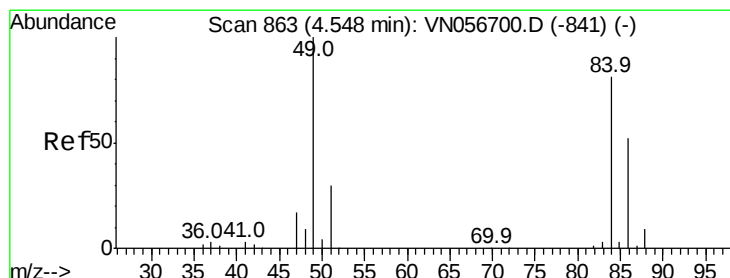
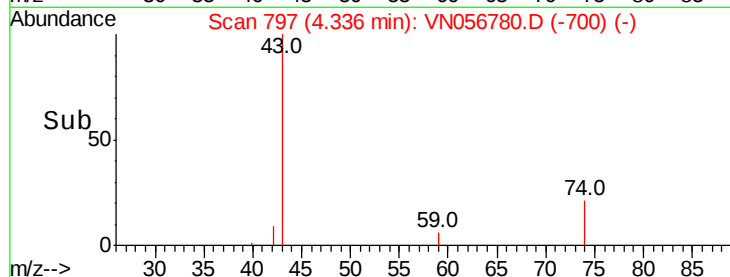
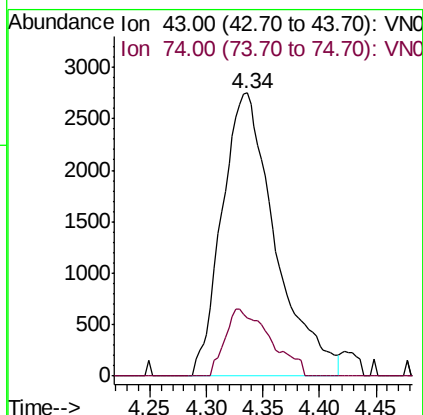
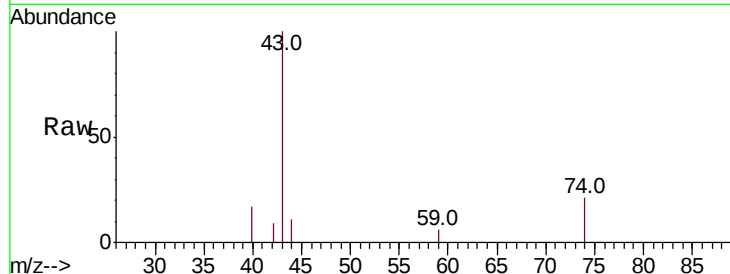




#18
Methyl Acetate
Concen: 2.164 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

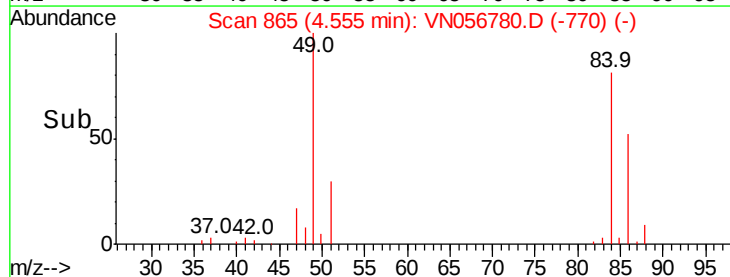
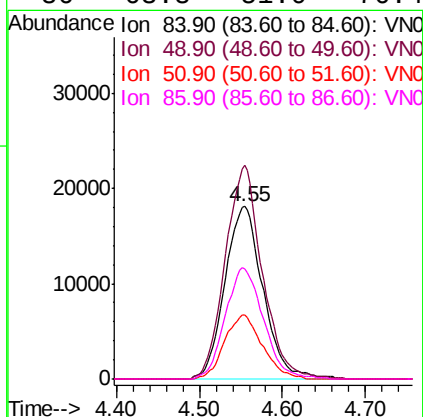
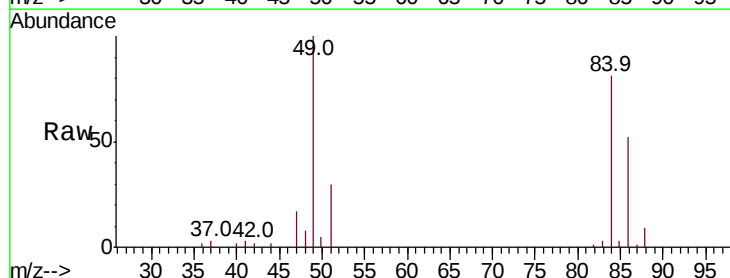
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

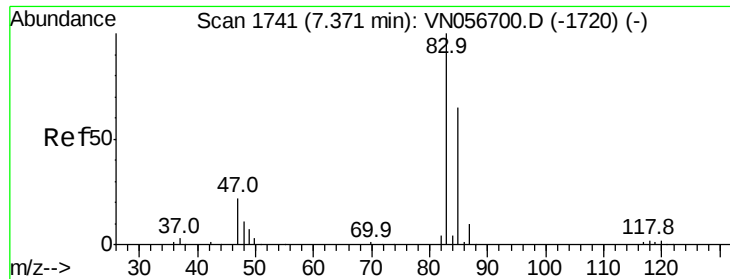
Tot Ion: 43 Resp: 9018
Ion Ratio Lower Upper
43 100
74 20.1 18.9 28.3



#20
Methylene Chloride
Concen: 20.415 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 84 Resp: 57875
Ion Ratio Lower Upper
84 100
49 123.6 98.2 147.4
51 37.2 29.6 44.4
86 63.8 51.0 76.4

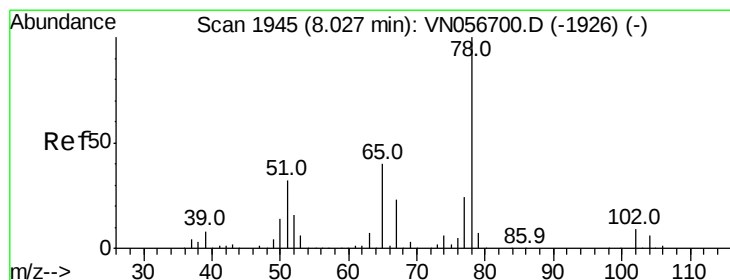
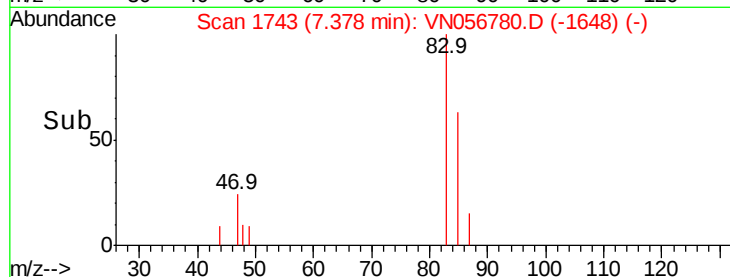
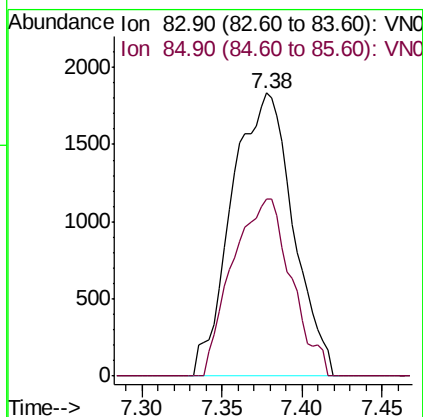
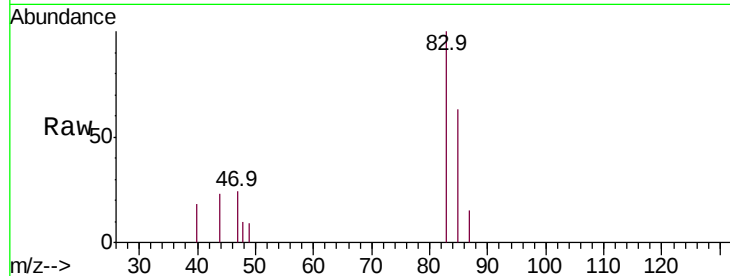




#30
Chloroform
Concen: 1.020 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

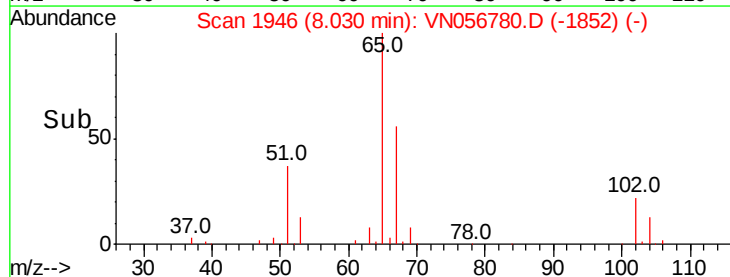
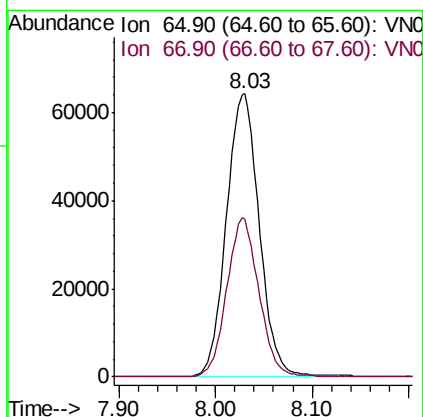
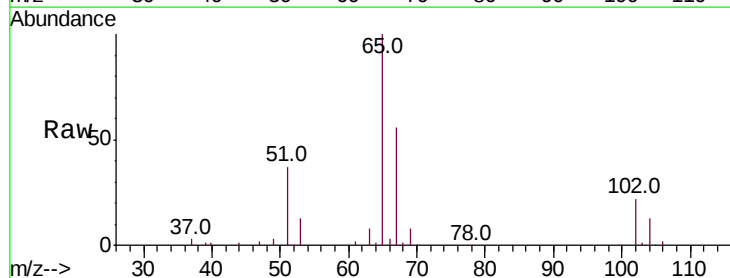
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

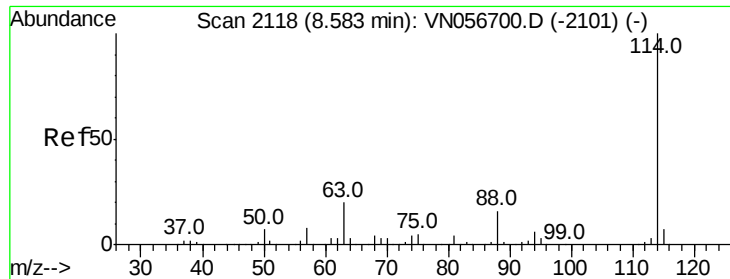
Tot Ion: 83 Resp: 4831
Ion Ratio Lower Upper
83 100
85 62.6 51.9 77.9



#33
1,2-Dichloroethane-d4
Concen: 54.014 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 65 Resp: 152050
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.0

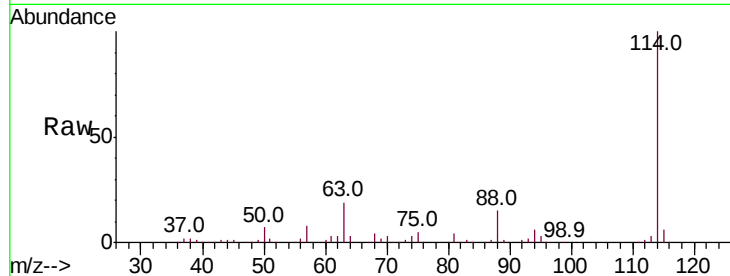




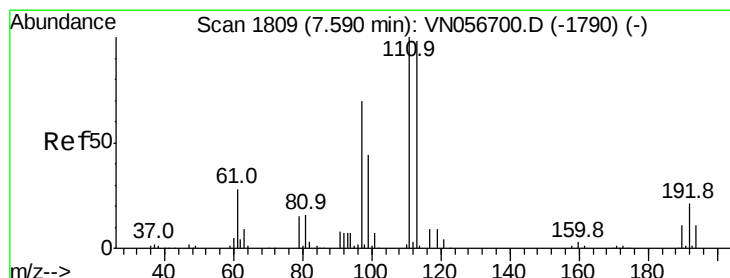
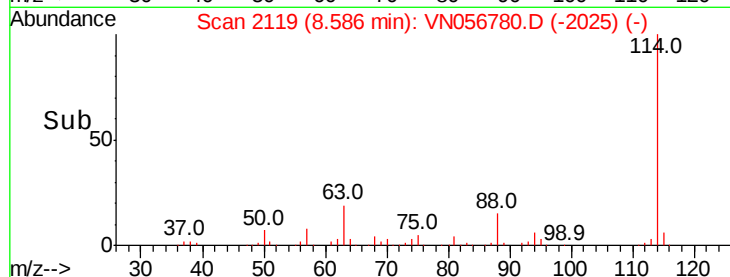
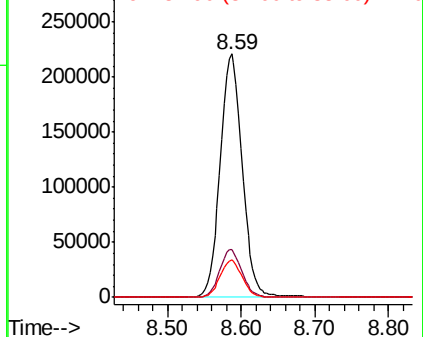
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056780.D
 Acq: 16 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-071519-B

Tot Ion:	114	Resp:	461963
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.4
88	15.4	0.0	31.2

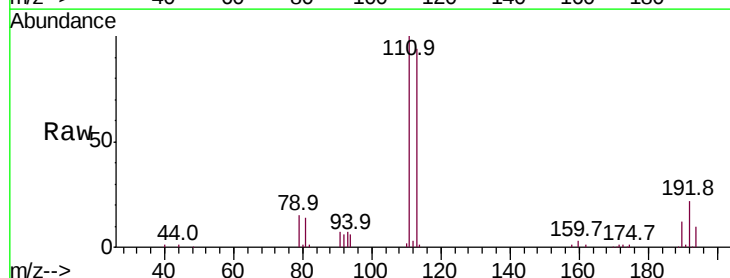


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

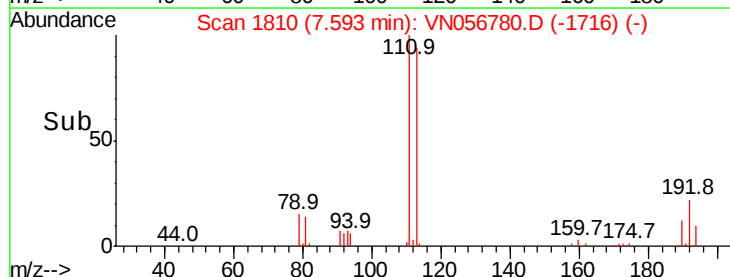
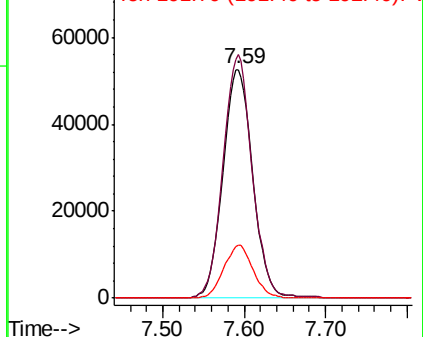


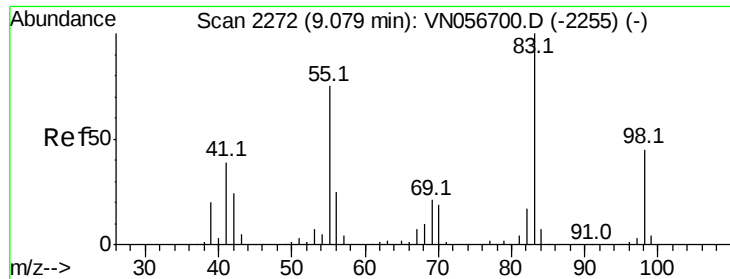
#35
 Dibromofluoromethane
 Concen: 47.247 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056780.D
 Acq: 16 Jul 2019 19:39

Tgt Ion:	113	Resp:	135831
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	22.7	17.5	26.3



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

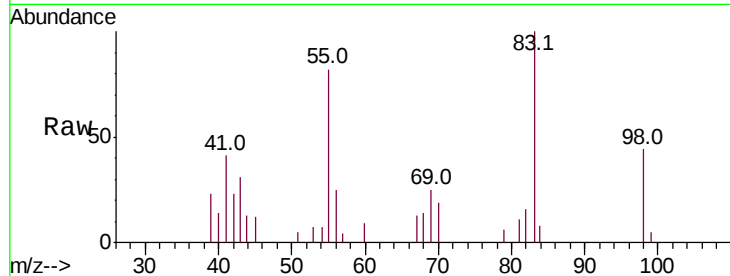




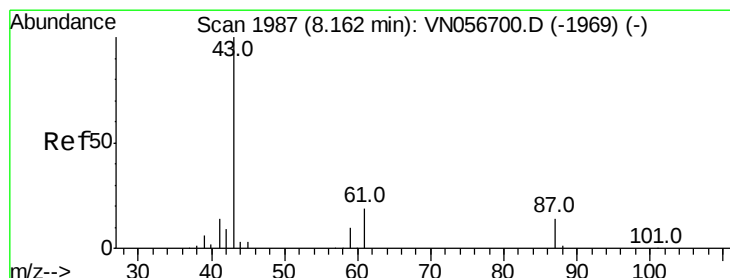
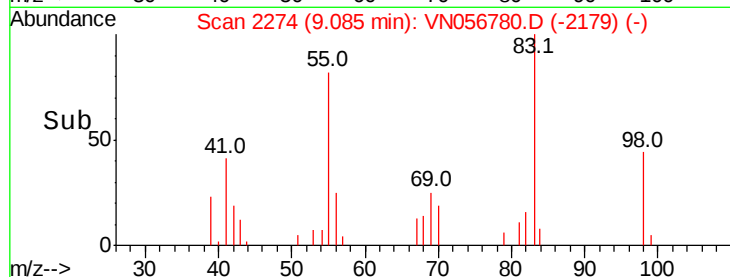
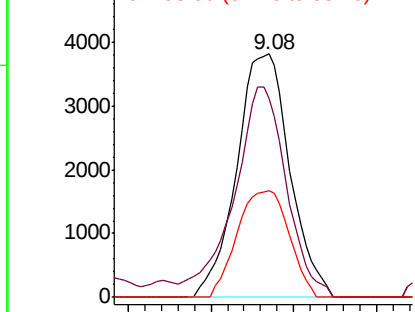
#39
Methylcyclohexane
Concen: 1.612 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

Tot Ion: 83 Resp: 8510
Ion Ratio Lower Upper
83 100
55 81.7 60.4 90.6
98 44.1 35.8 53.8

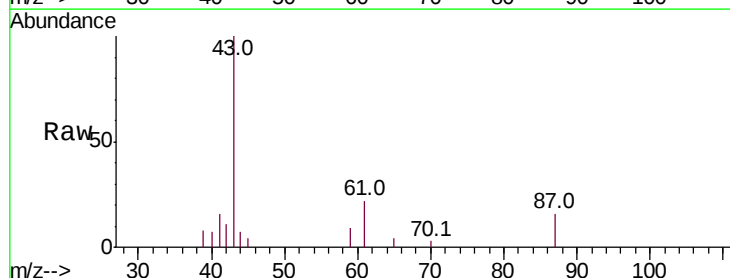


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

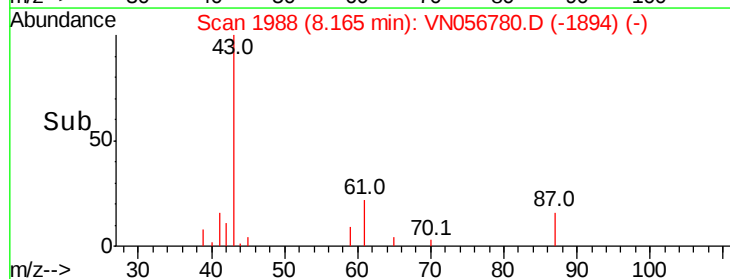
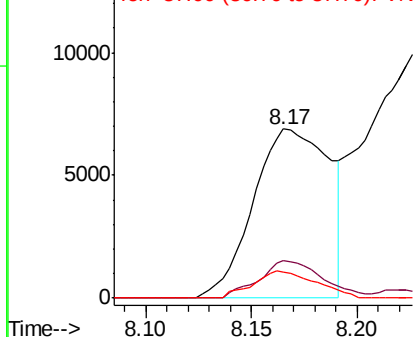


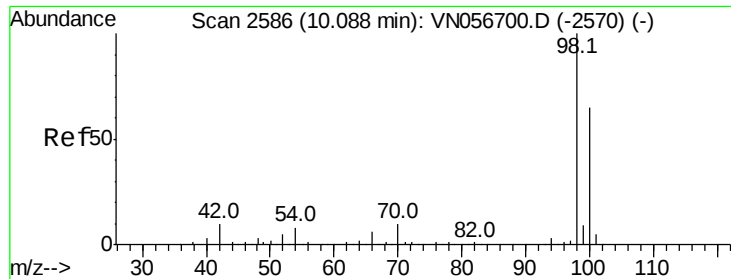
#43
Isopropyl Acetate
Concen: 2.606 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion: 43 Resp: 17260
Ion Ratio Lower Upper
43 100
61 18.6 22.3 33.5#
87 13.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 53.169 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

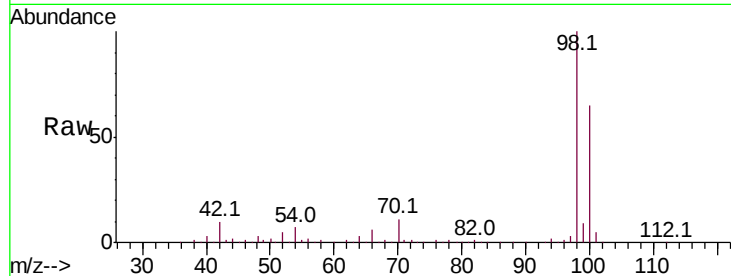
OR-03-071519-B

Tot Ion: 98 Resp: 590358

Ion Ratio Lower Upper

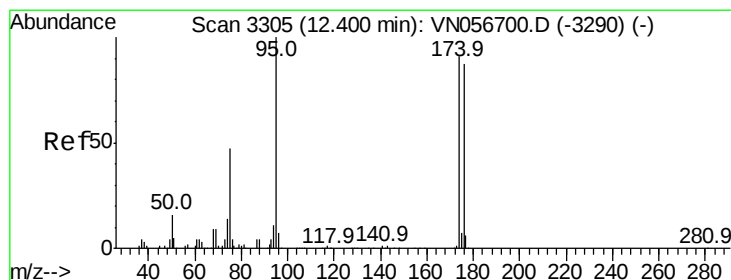
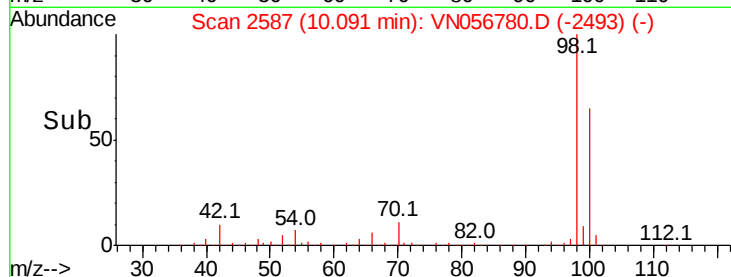
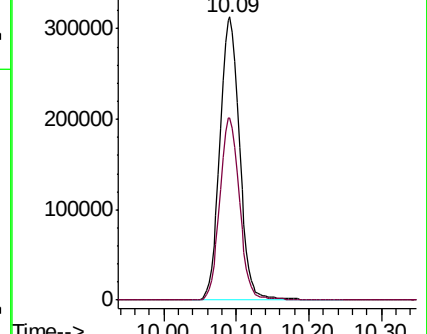
98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 58.757 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

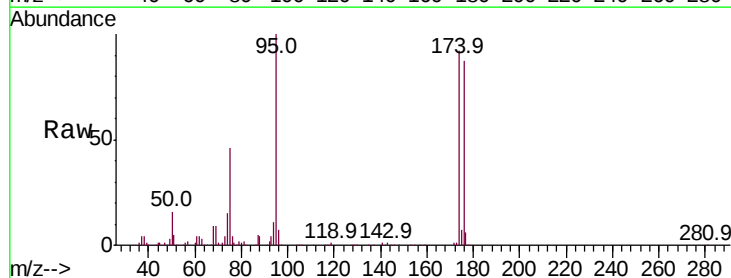
Tgt Ion: 95 Resp: 220013

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.0

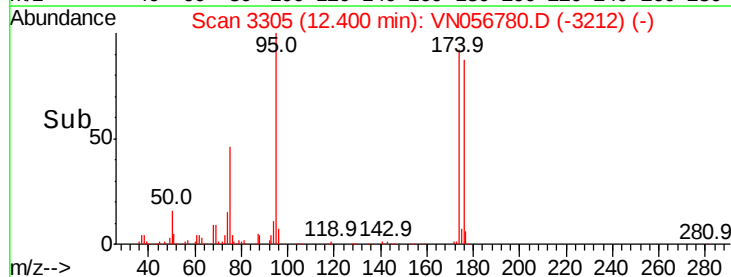
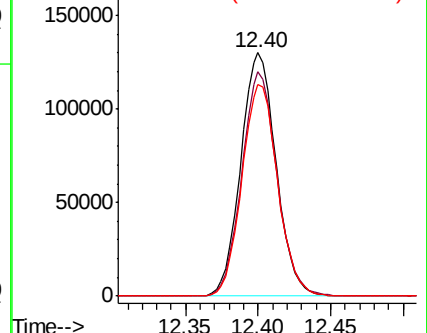
176 88.2 0.0 173.2

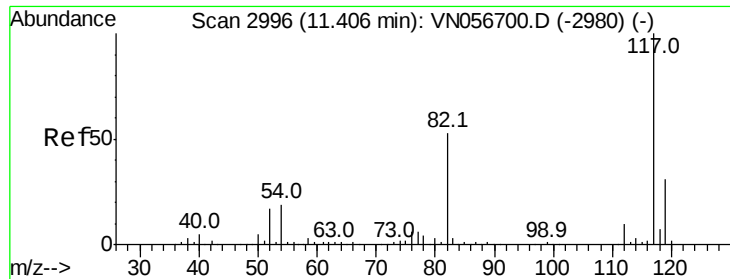


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

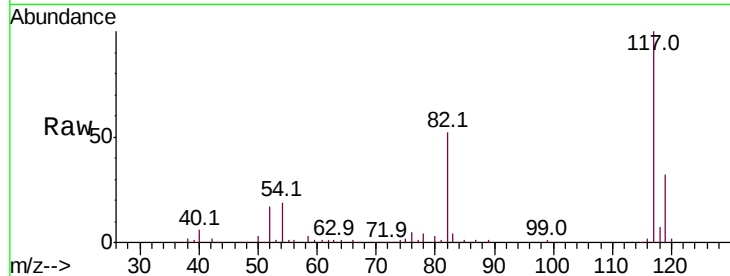




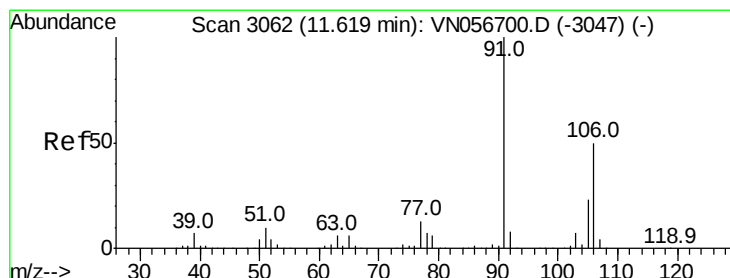
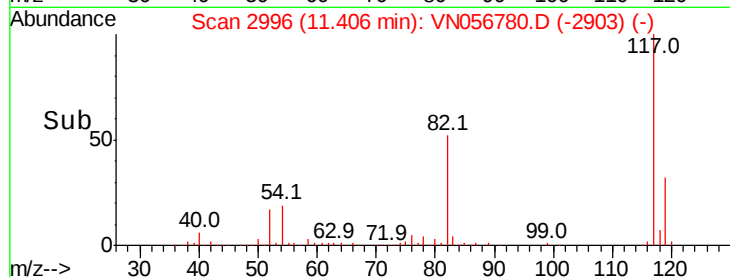
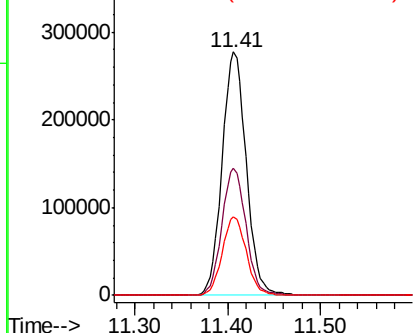
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

Tot Ion:117 Resp: 500516
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.2
119 32.3 25.2 37.8

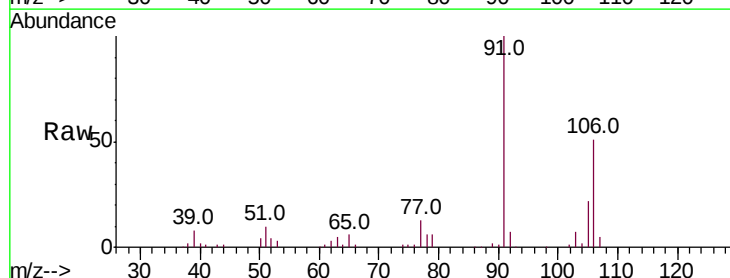


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

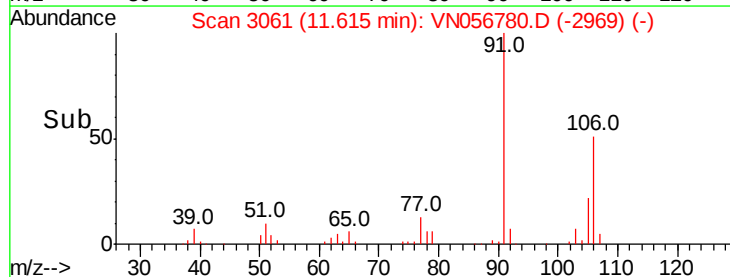
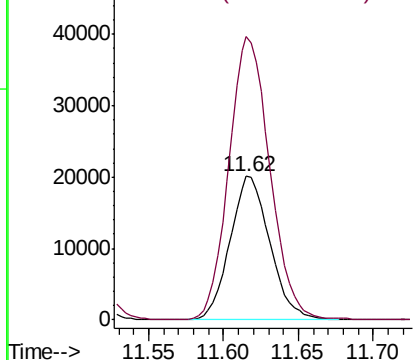


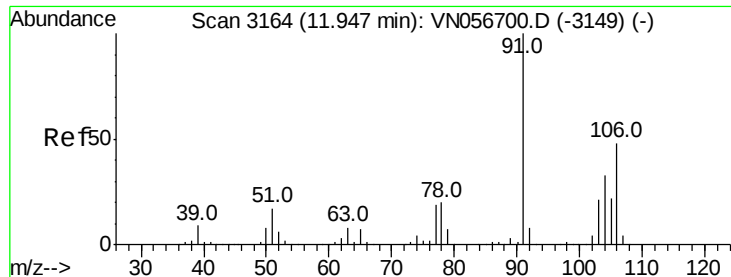
#68
m/p-Xylenes
Concen: 5.556 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion:106 Resp: 37346
Ion Ratio Lower Upper
106 100
91 202.6 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

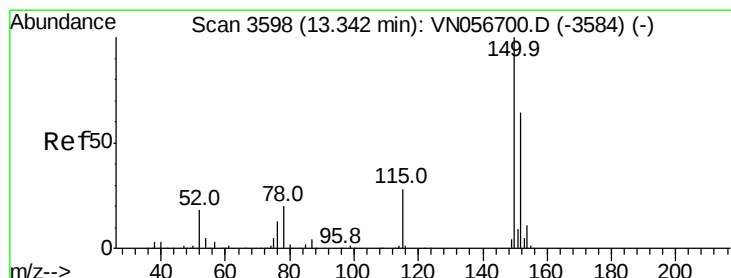
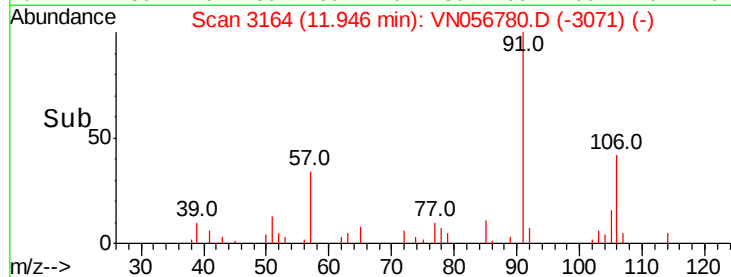
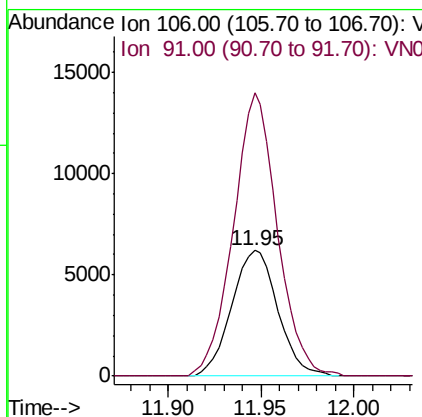
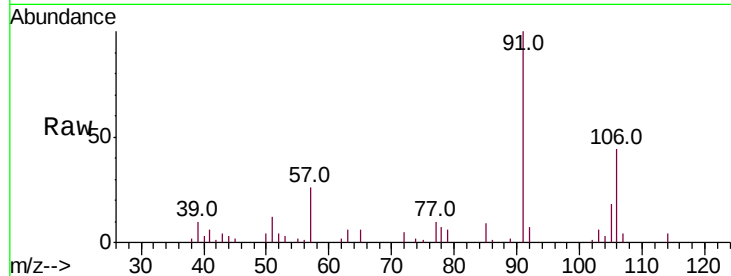




#69
o-Xylene
Concen: 1.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

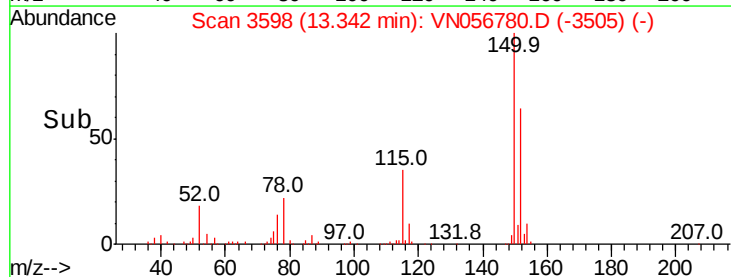
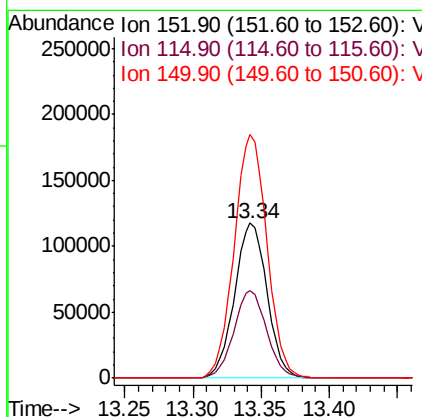
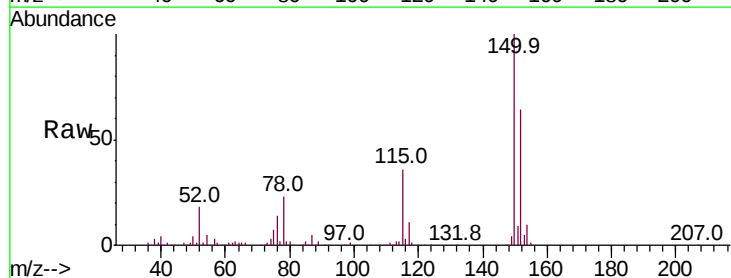
Instrument :
MSVOA_N
ClientSampleId :
OR-03-071519-B

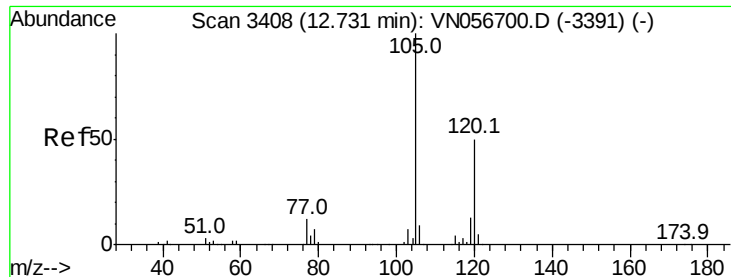
Tot Ion:106 Resp: 10672
Ion Ratio Lower Upper
106 100
91 215.2 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056780.D
Acq: 16 Jul 2019 19:39

Tgt Ion:152 Resp: 194684
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 158.2 0.0 345.8





#80

1,3,5-Trimethylbenzene

Concen: 2.617 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

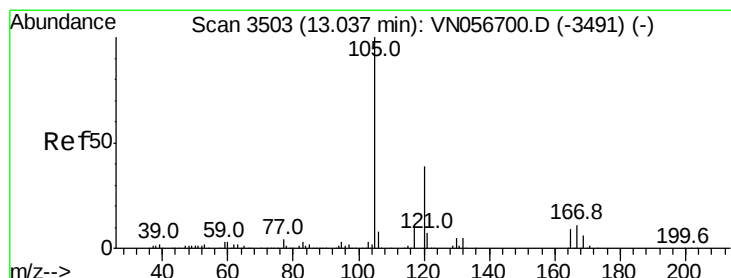
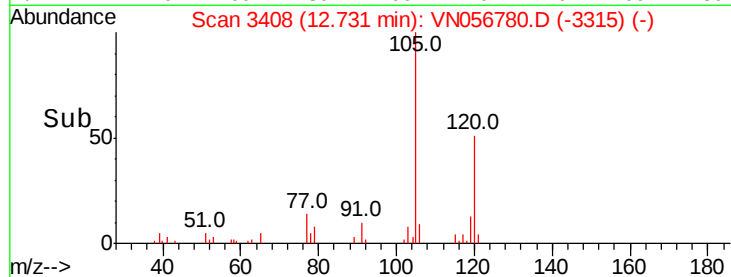
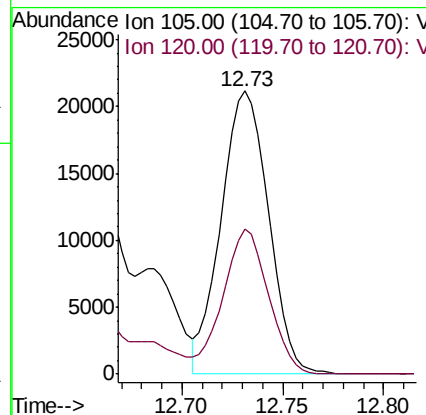
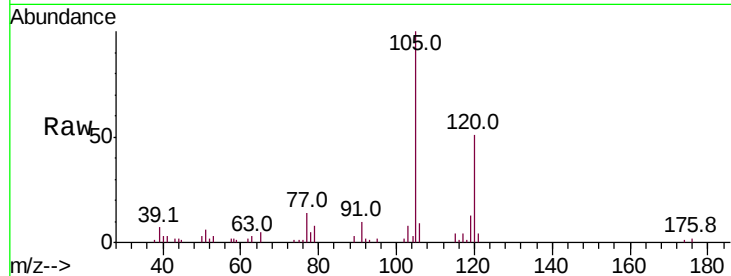
OR-03-071519-B

Tot Ion:105 Resp: 34820

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.3



#84

1,2,4-Trimethylbenzene

Concen: 7.905 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056780.D

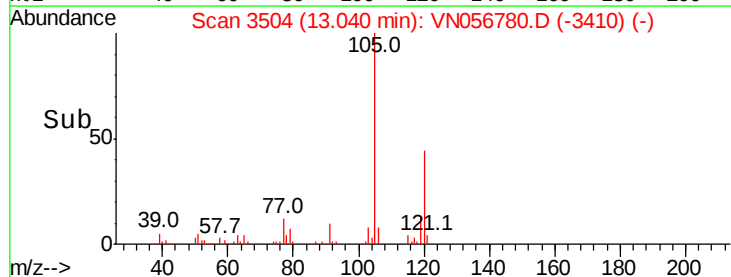
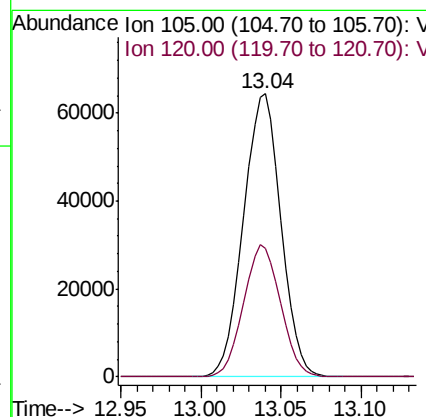
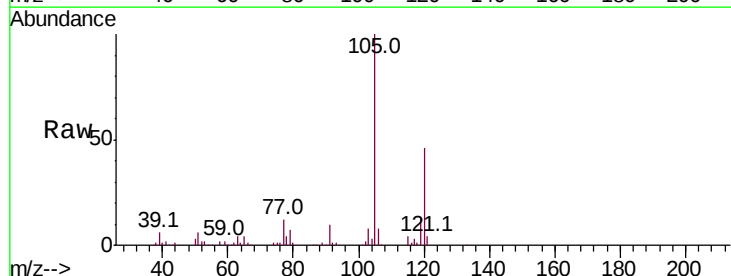
Acq: 16 Jul 2019 19:39

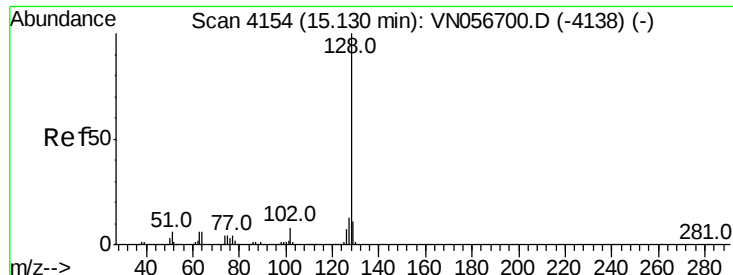
Tgt Ion:105 Resp: 102739

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.8





#95

Naphthalene

Concen: 6.021 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056780.D

Acq: 16 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

OR-03-071519-B

Tot Ion:128 Resp: 17155

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 9.6 8.7 13.1

