

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059655.D
 Acq On : 18 Dec 2019 17:32
 Operator : JC/SP
 Sample : K6309-07 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:30:01 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	248401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	396593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	356151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136579	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	181445	50.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.40%	
35) Dibromofluoromethane	7.57	113	125198	50.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.90%	
50) Toluene-d8	10.08	98	489588	49.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	160468	44.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.52%	

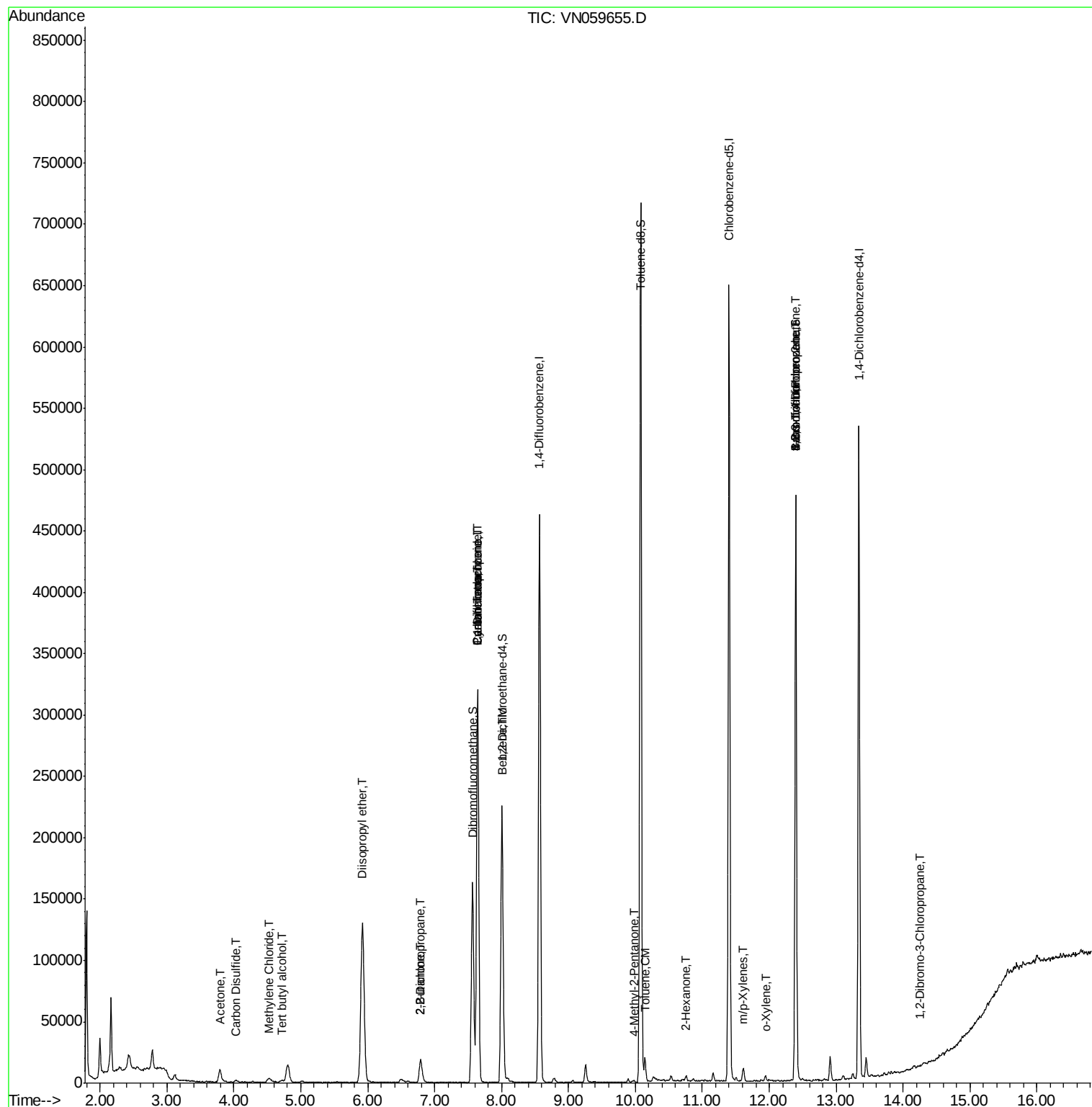
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	2135	3.222	ug/l #	72
16) Acetone	3.79	43	17877	8.330	ug/l	97
17) Carbon Disulfide	4.03	76	1293	2.018	ug/l #	75
20) Methylene Chloride	4.52	84	2231	0.720	ug/l #	85
22) Diisopropyl ether	5.92	45	6050	0.614	ug/l #	1
25) 2-Butanone	6.80	43	1174	0.457	ug/l #	50
26) 2,2-Dichloropropane	6.79	77	1263	0.249	ug/l #	55
31) Cyclohexane	7.64	56	7340	1.391	ug/l #	7
36) 1,1-Dichloropropene	7.64	75	20608	4.983	ug/l #	50
38) Carbon Tetrachloride	7.64	117	24727	5.762	ug/l #	16
40) Benzene	8.02	78	27411	2.268	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1192	0.268	ug/l #	38
52) Toluene	10.15	92	7903	1.064	ug/l	99
59) 2-Hexanone	10.76	43	785	0.224	ug/l #	26
68) m/p-Xylenes	11.61	106	3270	0.637	ug/l	95
69) o-Xylene	11.95	106	1210	0.248	ug/l	85
71) Bromoform	12.40	173	1205	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	86832	25.682	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	86832	63.431	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	173	1.801	ug/l #	6

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

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059655.D

Acq: 18 Dec 2019 17:32

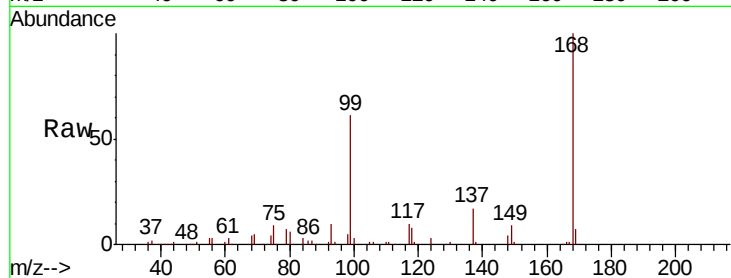
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 248401

Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

120000

100000

80000

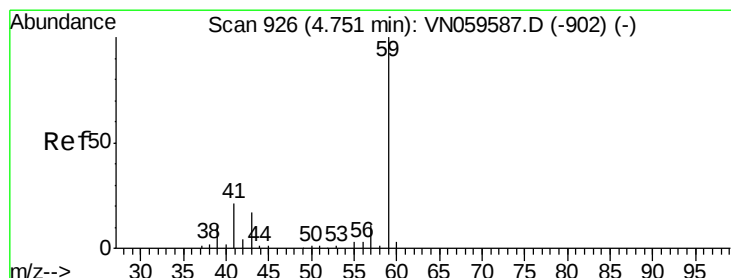
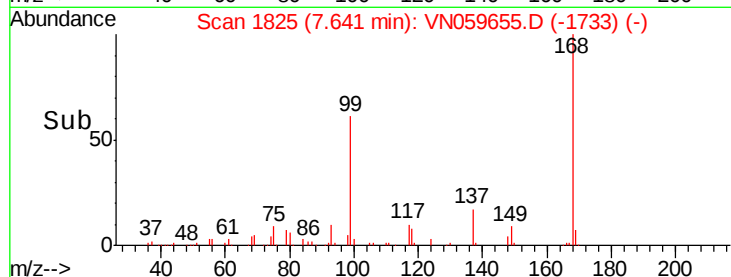
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.222 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.02 min

Lab File: VN059655.D

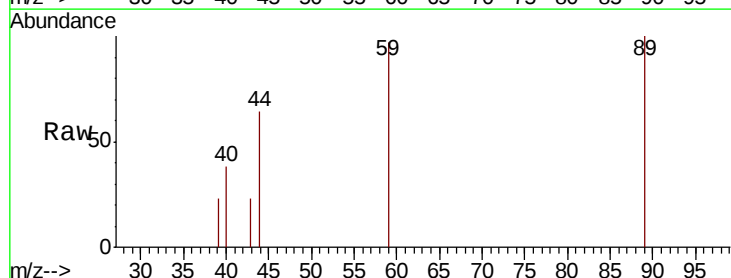
Acq: 18 Dec 2019 17:32

Tgt Ion: 59 Resp: 2135

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059587.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN059587.D (-902) (-)

4.73

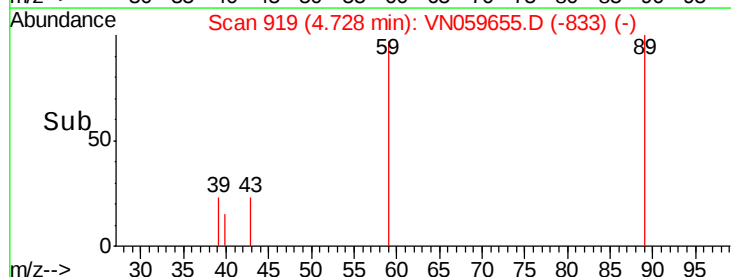
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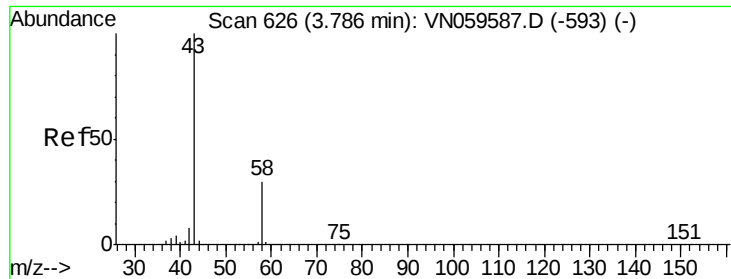
400

200

0

Time-->





#16

Acetone

Concen: 8.330 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059655.D

Acq: 18 Dec 2019 17:32

Instrument :

MSVOA_N

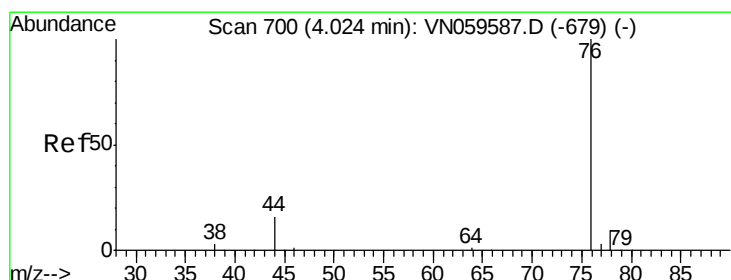
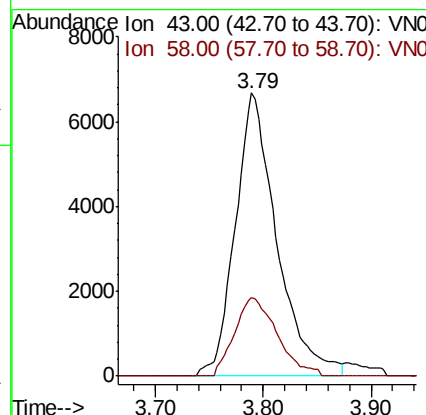
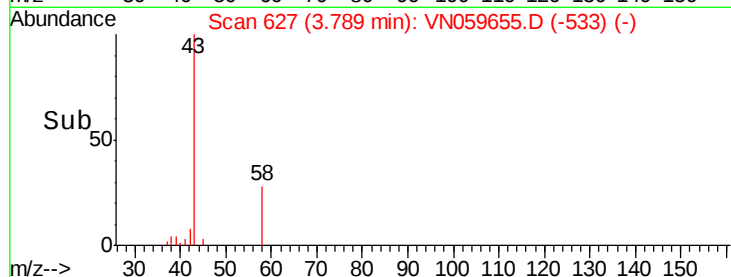
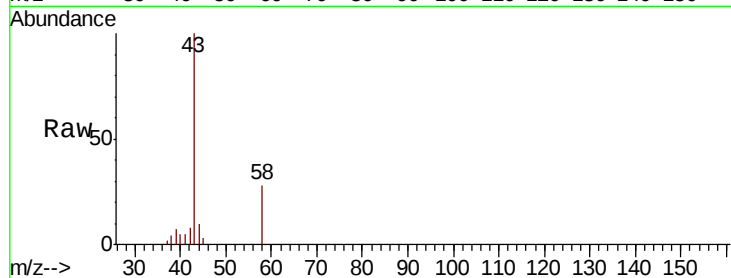
ClientSampleId :

Tot Ion: 43 Resp: 17877

Ion Ratio Lower Upper

43 100

58 27.8 23.6 35.4



#17

Carbon Disulfide

Concen: 2.018 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.01 min

Lab File: VN059655.D

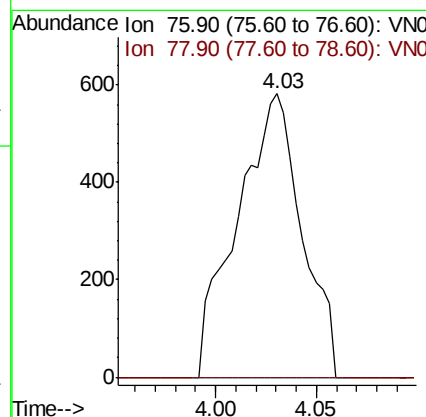
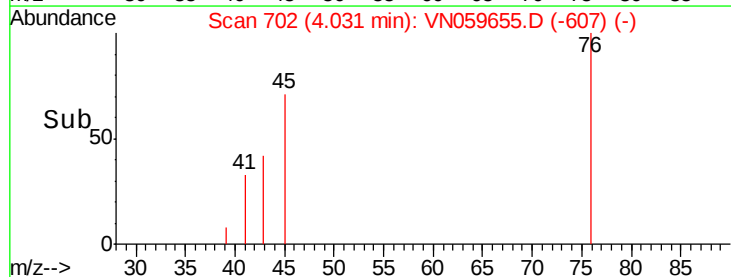
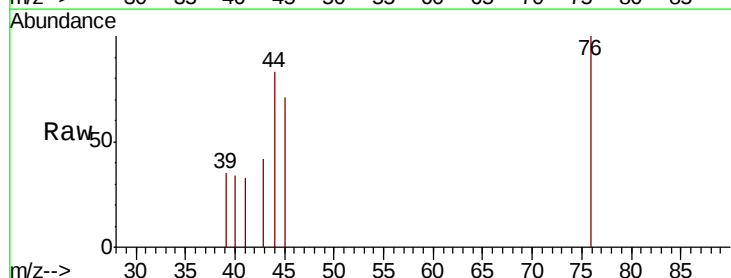
Acq: 18 Dec 2019 17:32

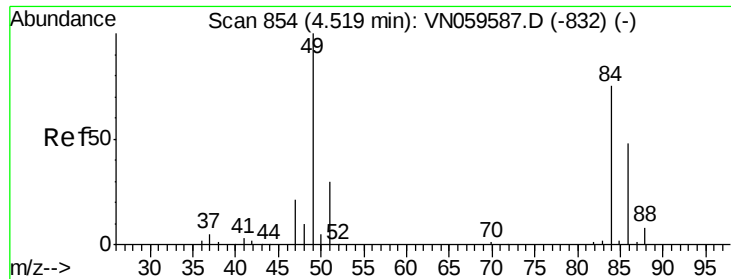
Tgt Ion: 76 Resp: 1293

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

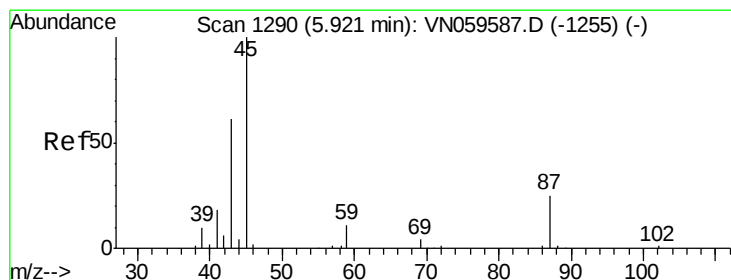
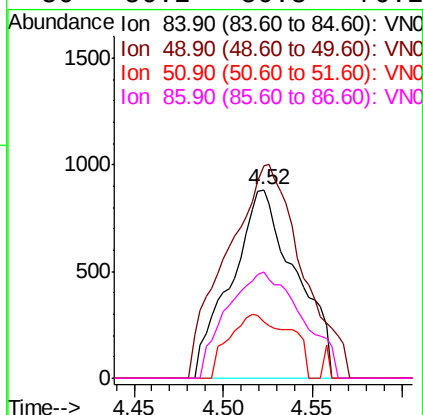
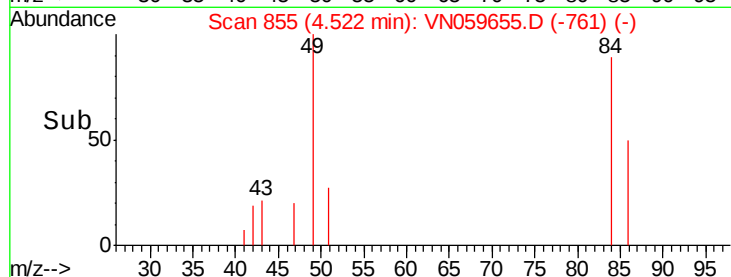
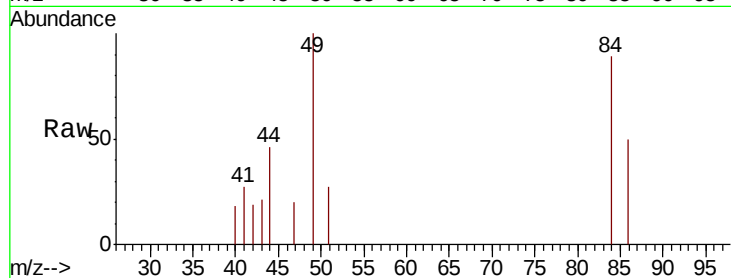




#20
Methvlene Chloride
Concen: 0.720 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

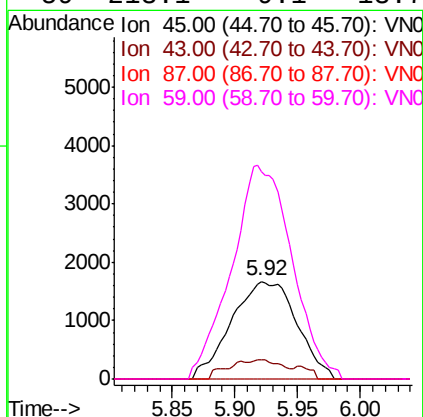
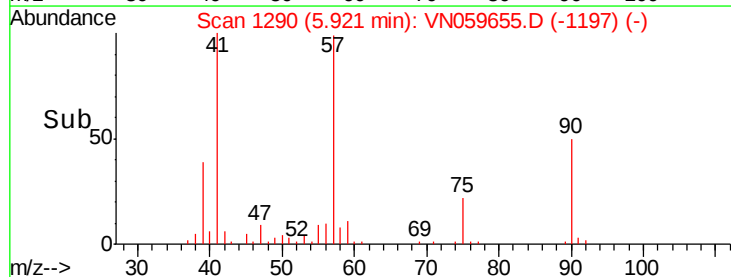
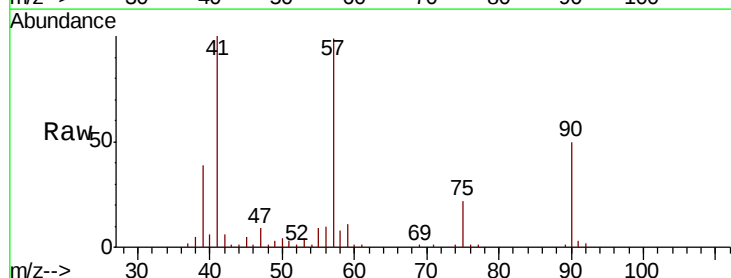
Instrument :
MSVOA_N
ClientSampleId :

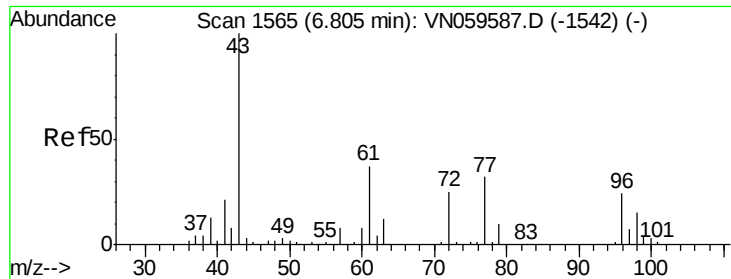
Tot Ion: 84 Resp: 2231
Ion Ratio Lower Upper
84 100
49 112.9 106.6 160.0
51 30.1 31.9 47.9#
86 56.2 50.8 76.2



#22
Diisopropyl ether
Concen: 0.614 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion: 45 Resp: 6050
Ion Ratio Lower Upper
45 100
43 20.2 50.8 76.2#
87 0.0 21.0 31.6#
59 213.1 9.1 13.7#

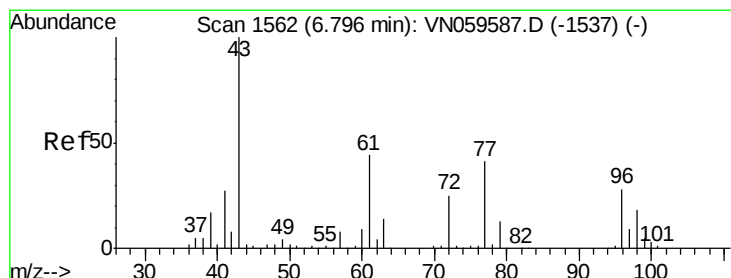
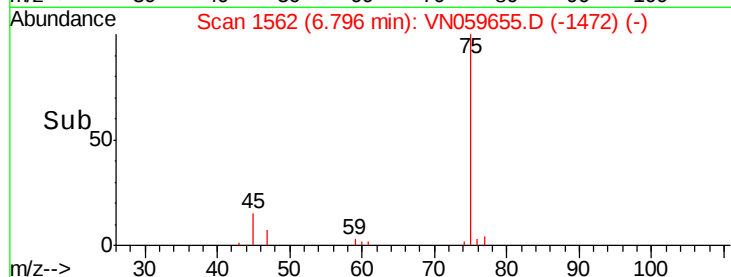
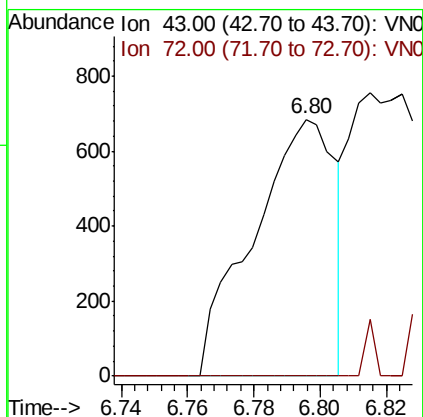
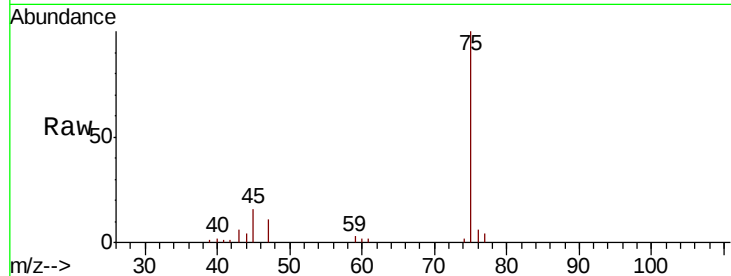




#25
2-Butanone
Concen: 0.457 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

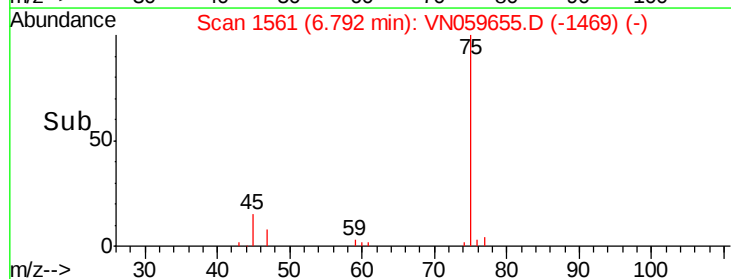
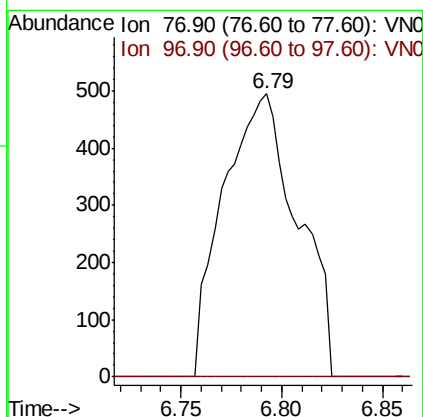
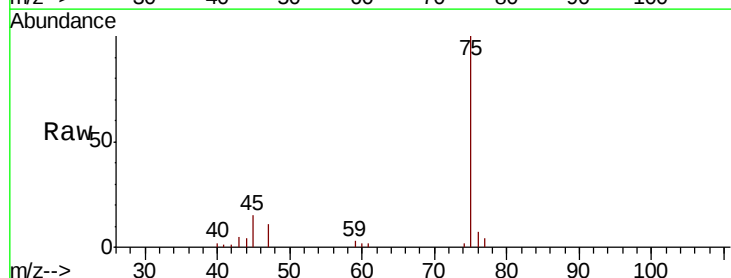
Instrument :
MSVOA_N
ClientSampled :

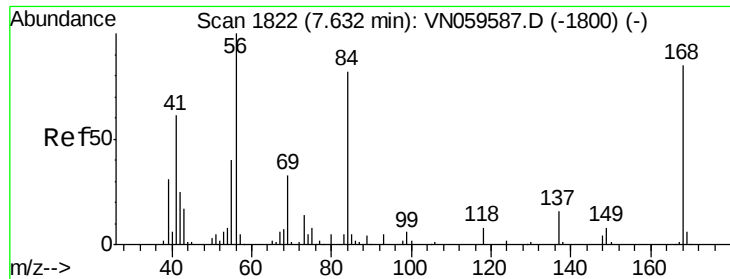
Tot Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 0.249 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion: 77 Resp: 1263
Ion Ratio Lower Upper
77 100
97 0.0 10.7 31.9#

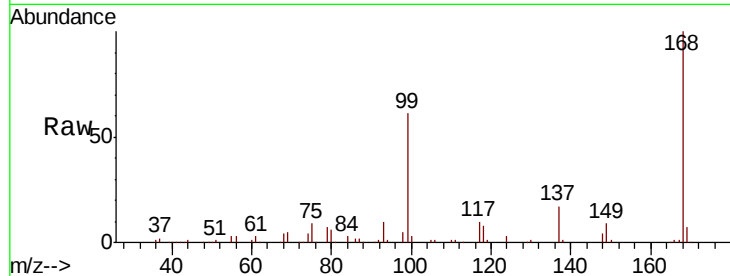




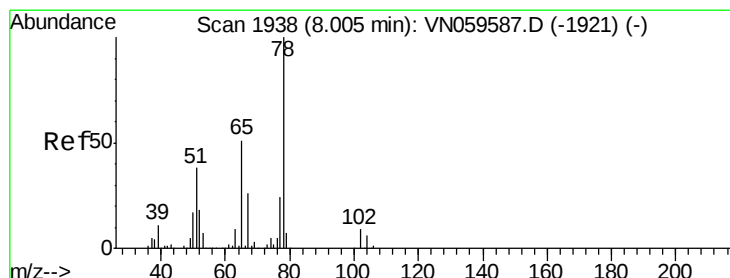
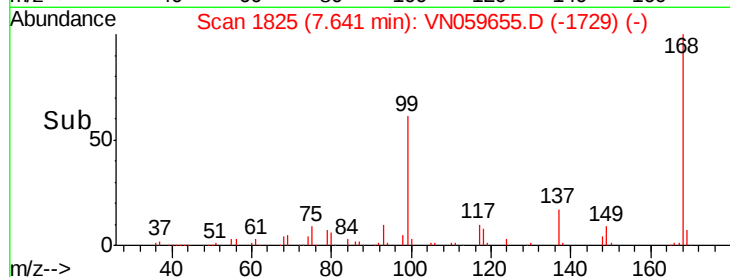
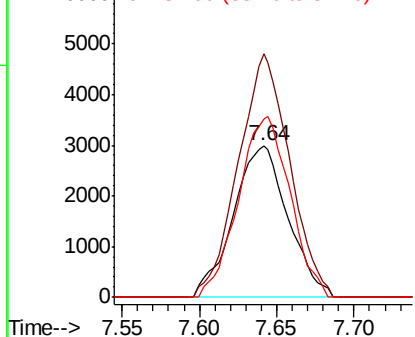
#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7340
Ion Ratio Lower Upper
56 100
69 160.1 26.5 39.7#
84 116.9 65.3 97.9#

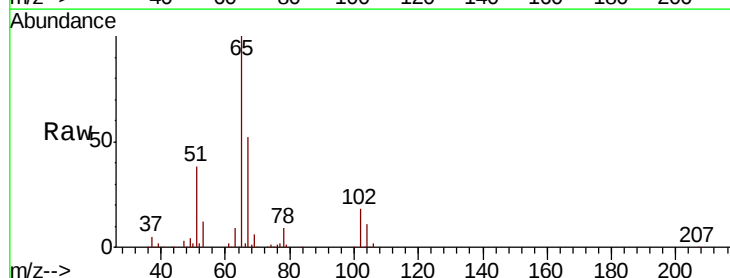


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

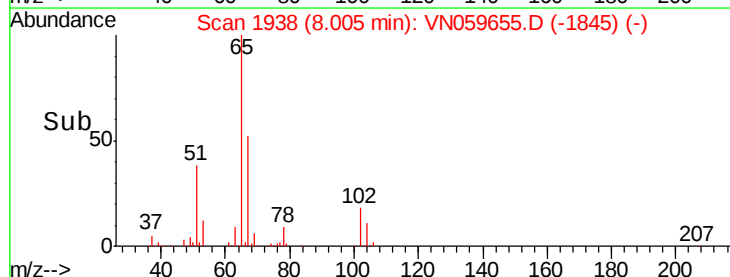
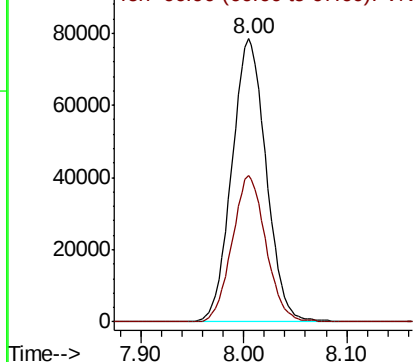


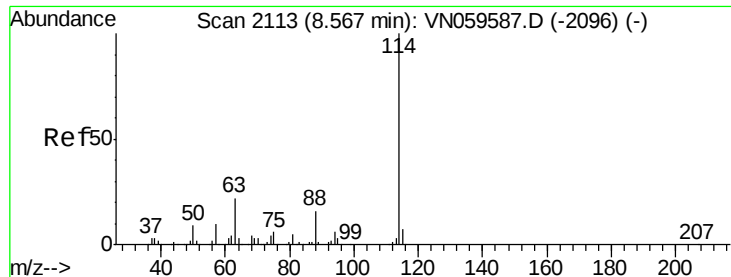
#33
1,2-Dichloroethane-d4
Concen: 50.198 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion: 65 Resp: 181445
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

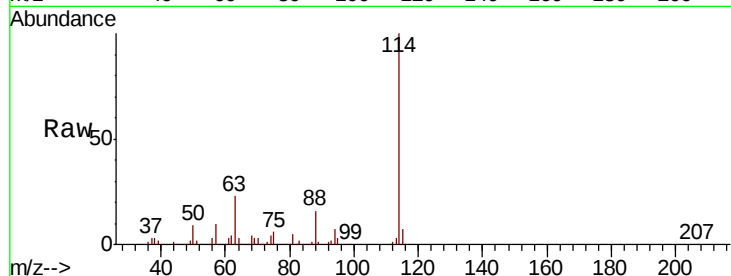




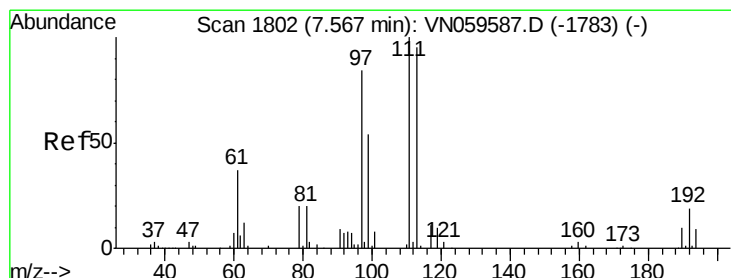
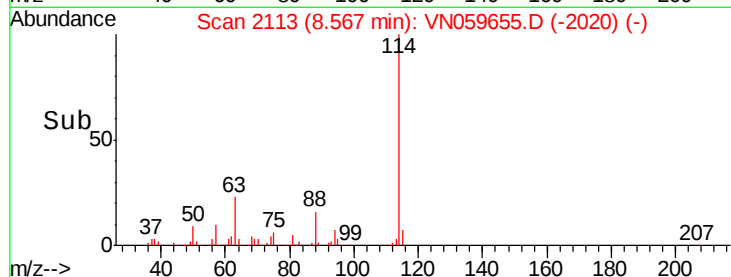
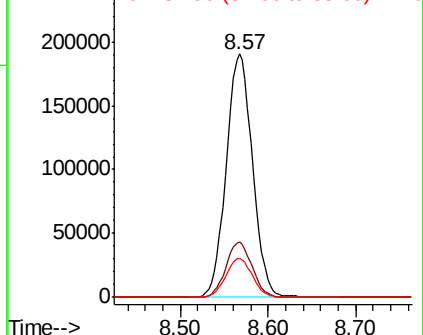
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059655.D
 Acq: 18 Dec 2019 17:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	43.6
88	16.1	0.0	31.4

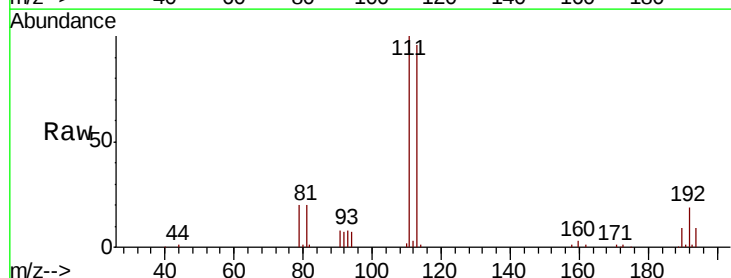


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

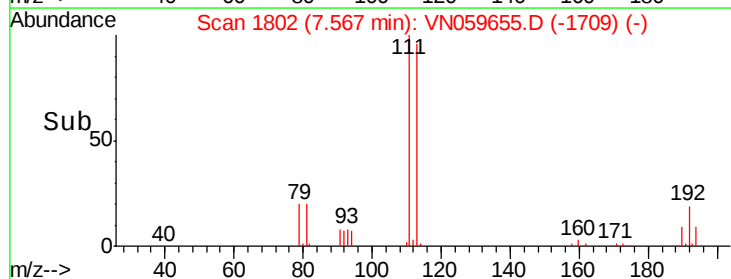
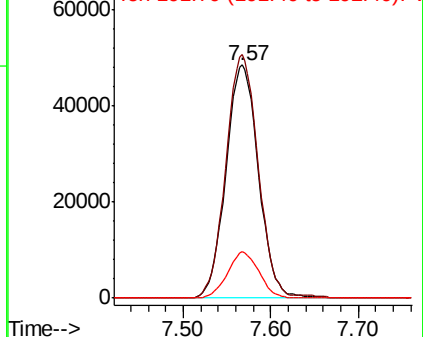


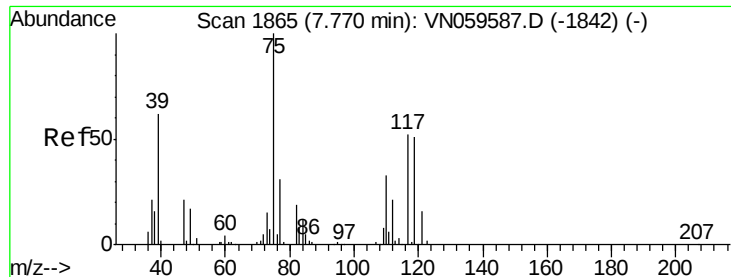
#35
 Dibromofluoromethane
 Concen: 50.454 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059655.D
 Acq: 18 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.5	125.3
192	19.1	15.4	23.2



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

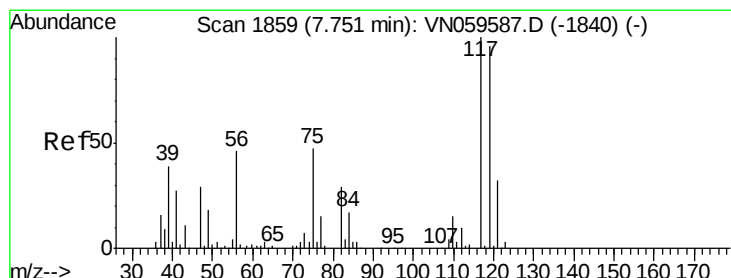
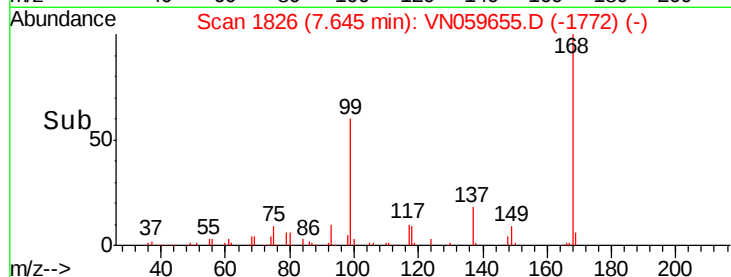
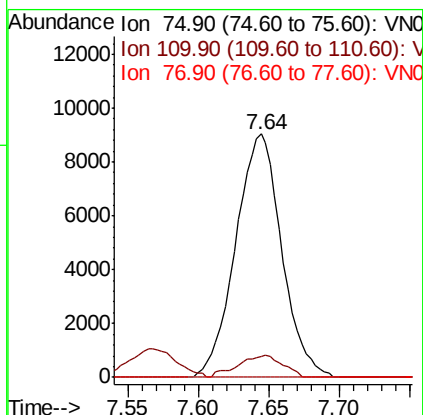
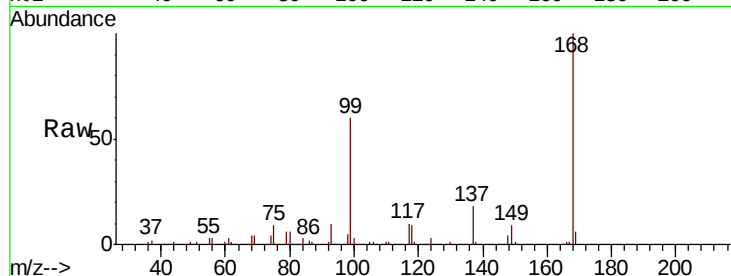




#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059655.D
 Acq: 18 Dec 2019 17:32

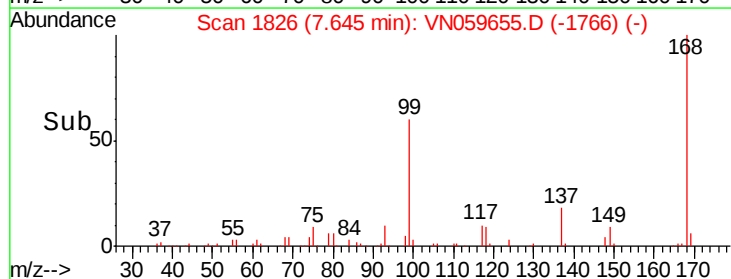
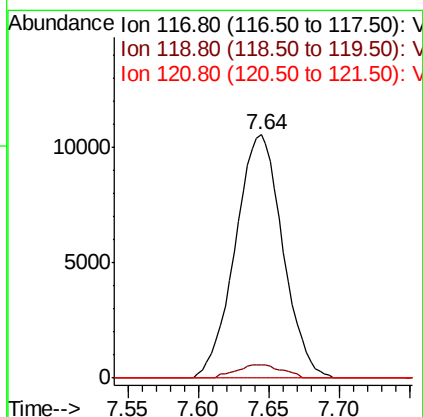
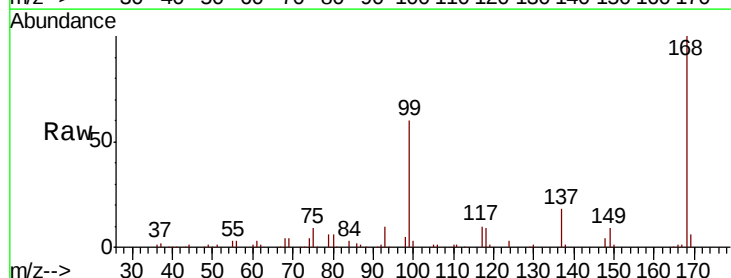
Instrument :
 MSVOA_N
 ClientSampled :

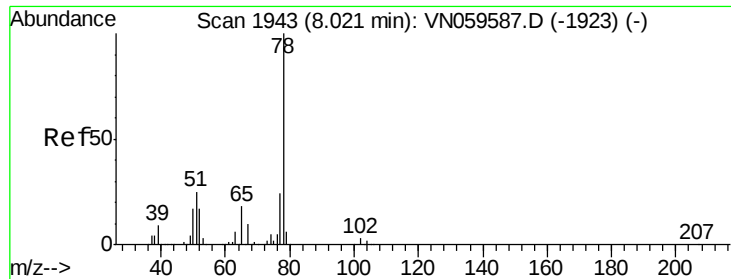
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.762 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059655.D
 Acq: 18 Dec 2019 17:32

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

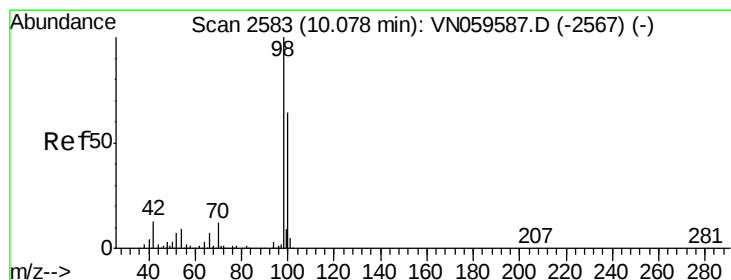
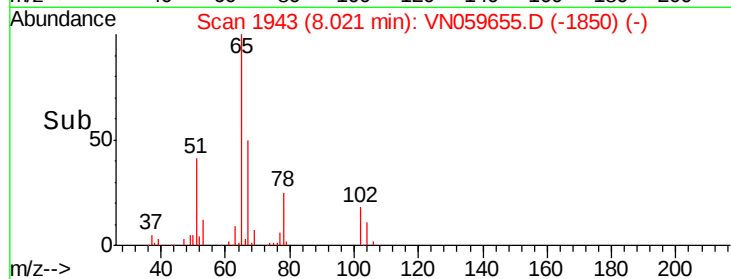
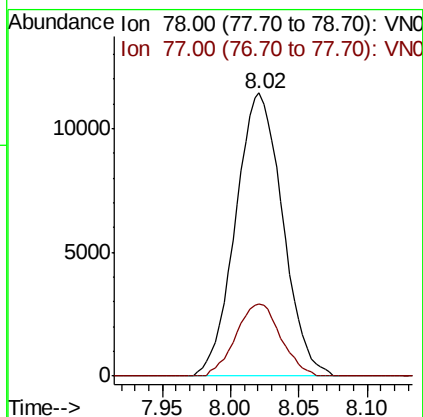
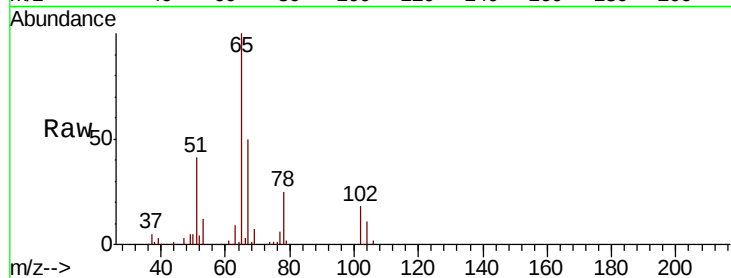




#40
Benzene
Concen: 2.268 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

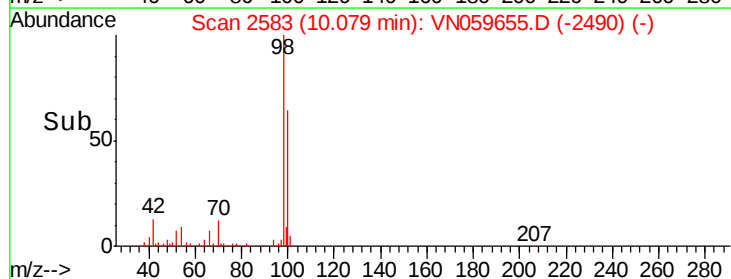
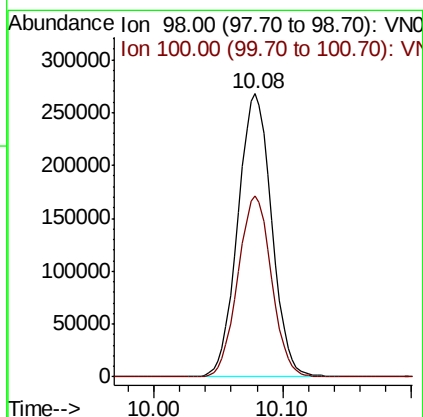
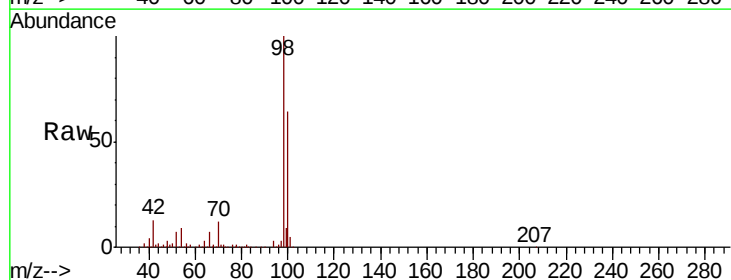
Instrument :
MSVOA_N
ClientSampled :

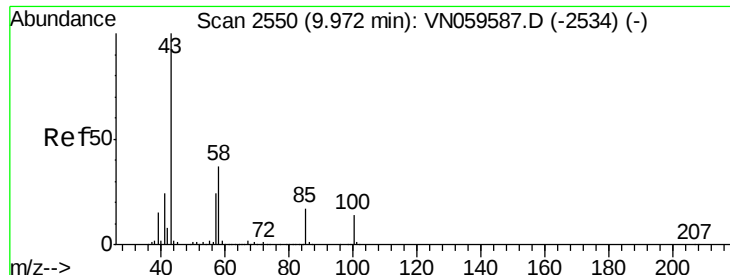
Tot Ion: 78 Resp: 27411
Ion Ratio Lower Upper
78 100
77 25.3 18.9 28.3



#50
Toluene-d8
Concen: 49.834 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion: 98 Resp: 489588
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.268 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059655.D

Acq: 18 Dec 2019 17:32

Instrument :

MSVOA_N

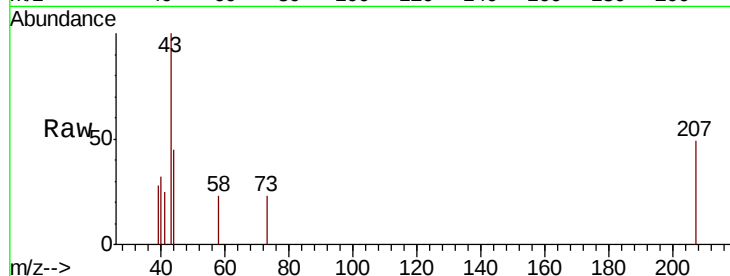
ClientSampled :

Tot Ion: 43 Resp: 1192

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.98

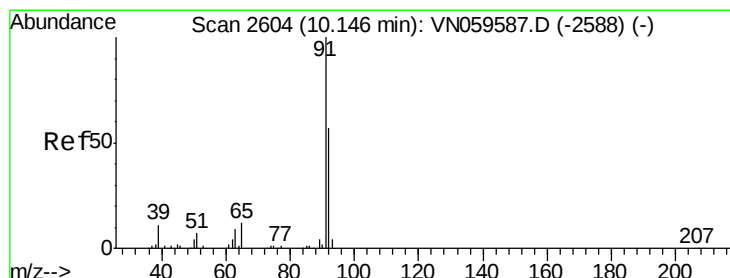
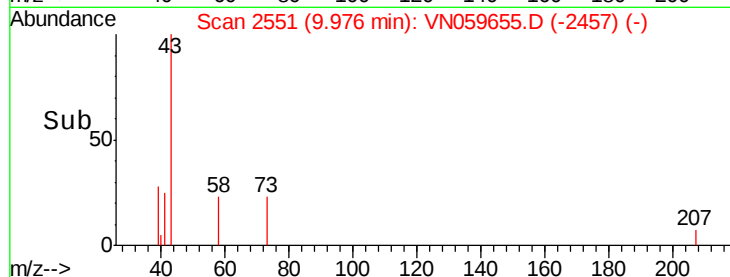
600

400

200

0

Time-->



#52

Toluene

Concen: 1.064 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059655.D

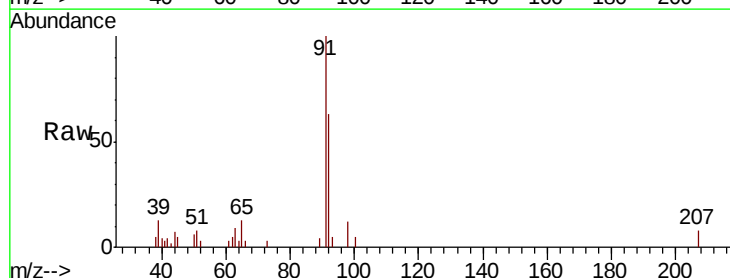
Acq: 18 Dec 2019 17:32

Tgt Ion: 92 Resp: 7903

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.15

8000

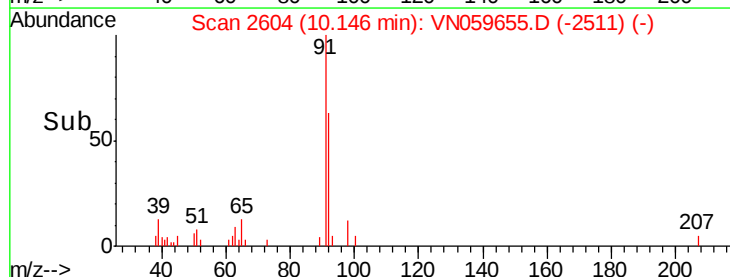
6000

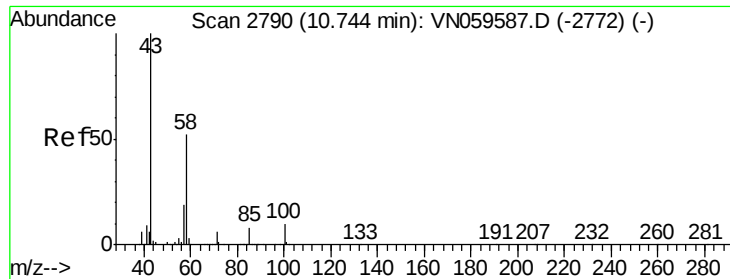
4000

2000

0

Time-->

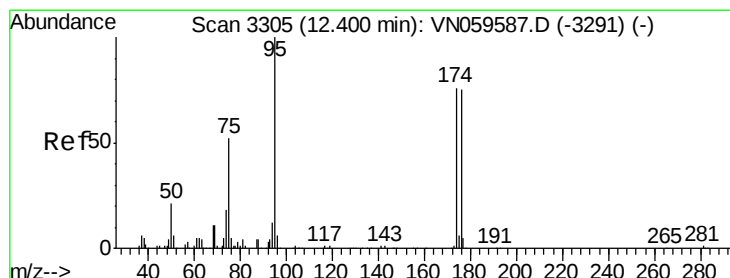
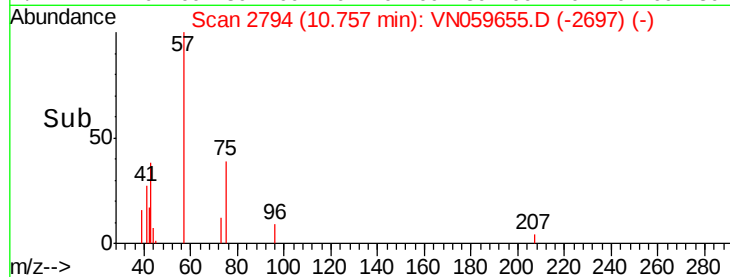
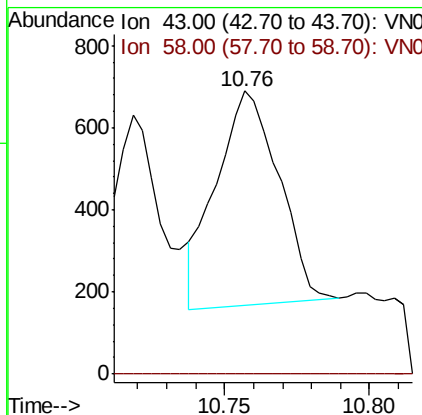
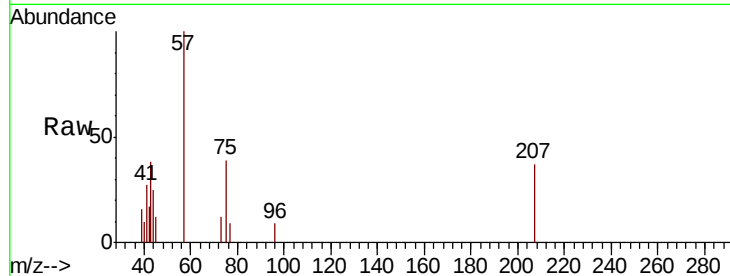




#59
2-Hexanone
Concen: 0.224 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

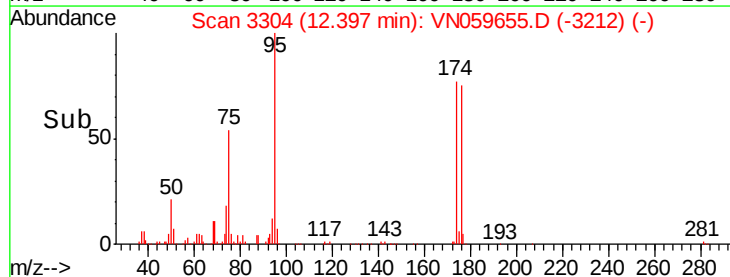
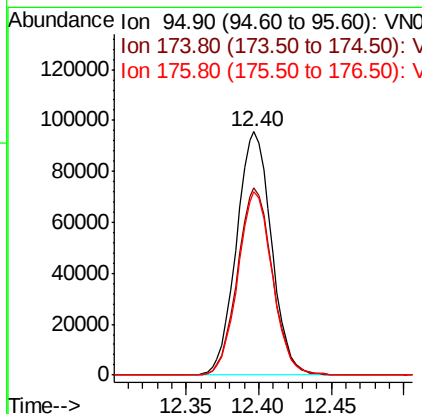
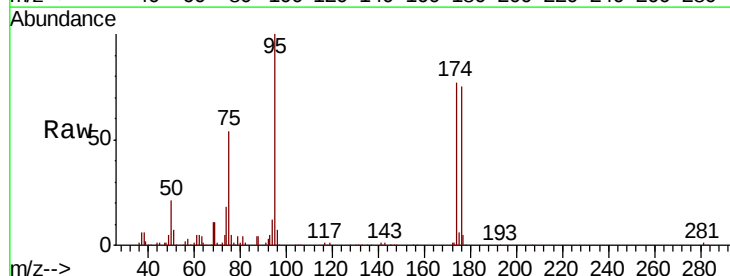
Instrument :
MSVOA_N
ClientSampleId :

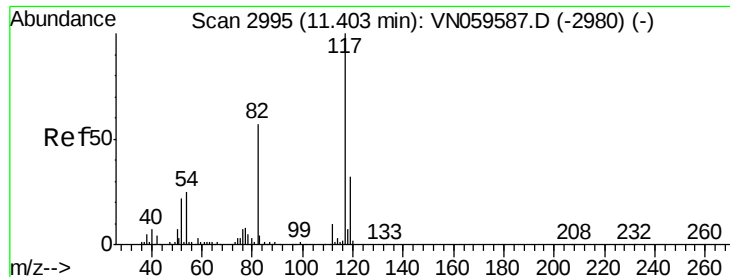
Tot Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 44.763 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion: 95 Resp: 160468
Ion Ratio Lower Upper
95 100
174 76.8 0.0 151.4
176 74.3 0.0 146.0

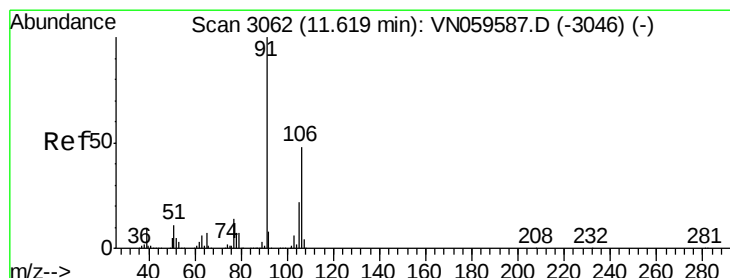
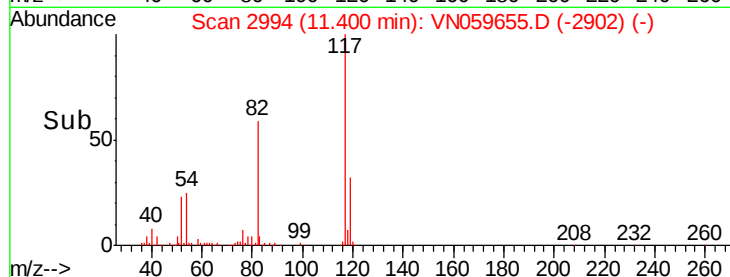
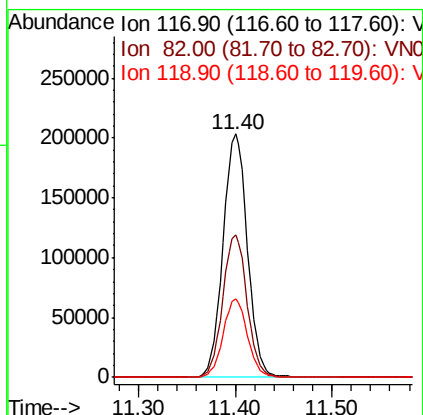
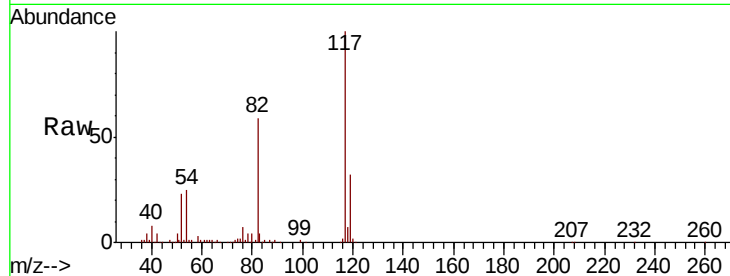




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

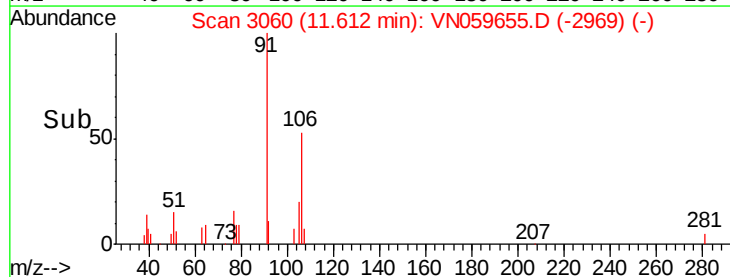
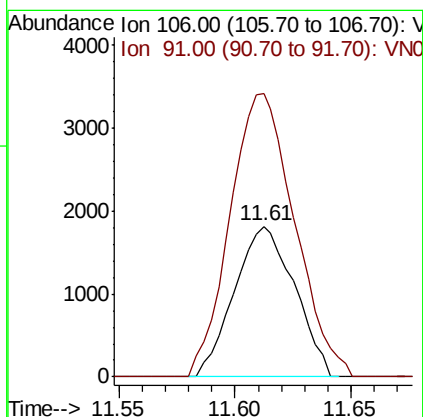
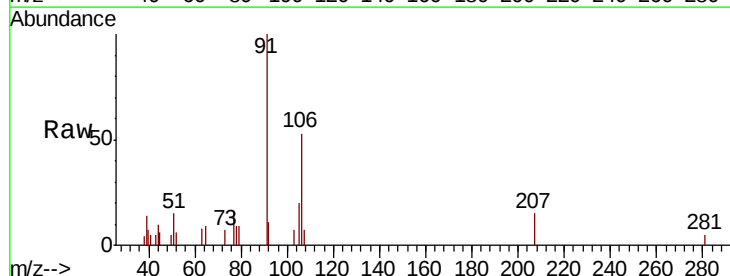
Instrument :
MSVOA_N
ClientSampled :

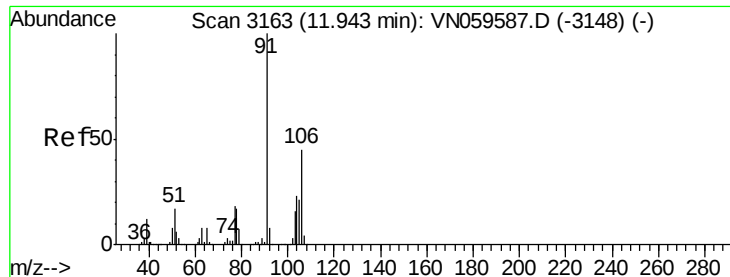
Tot Ion:117 Resp: 356151
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.637 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion:106 Resp: 3270
Ion Ratio Lower Upper
106 100
91 201.6 167.9 251.9

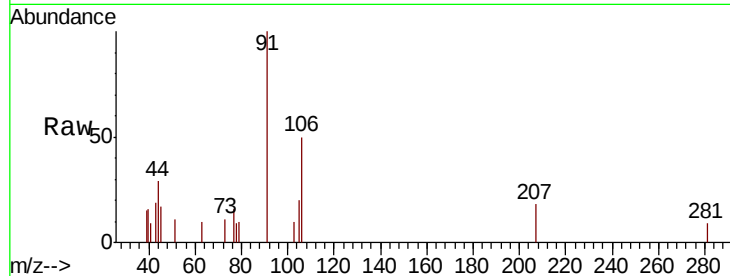




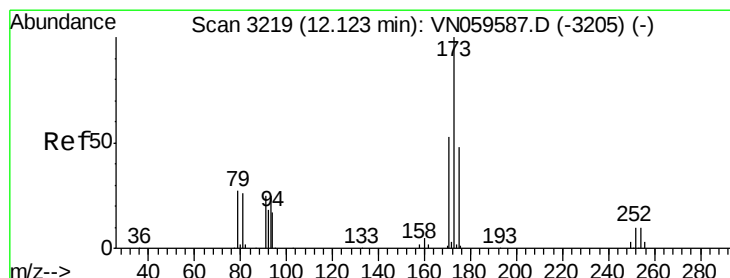
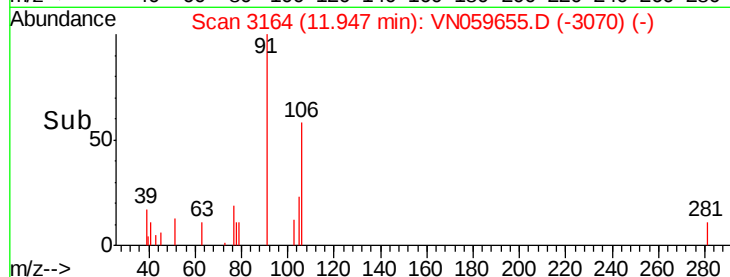
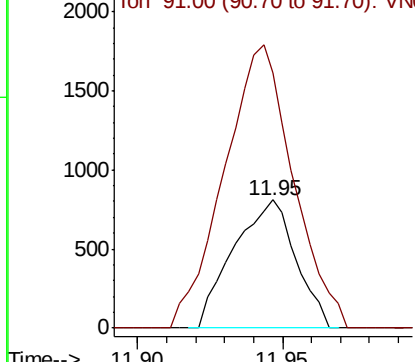
#69
o-Xylene
Concen: 0.248 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1210
Ion Ratio Lower Upper
106 100
91 244.6 110.3 330.9

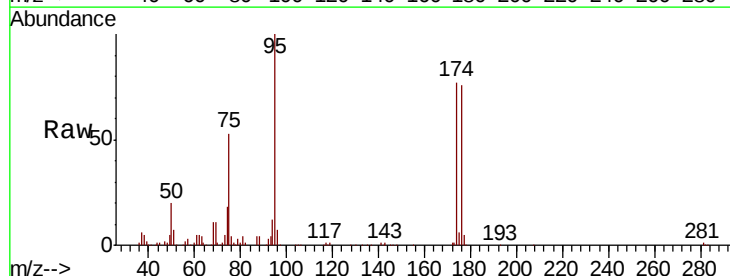


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

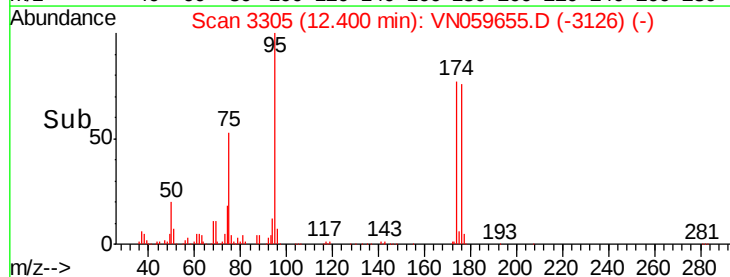
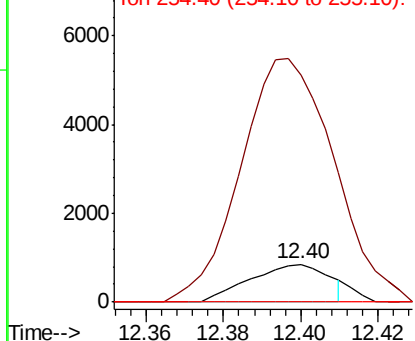


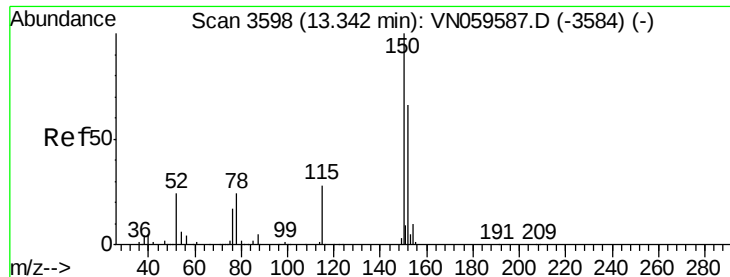
#71
Bromoform
Concen: 0.548 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion:173 Resp: 1205
Ion Ratio Lower Upper
173 100
175 691.7 23.8 71.4#
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



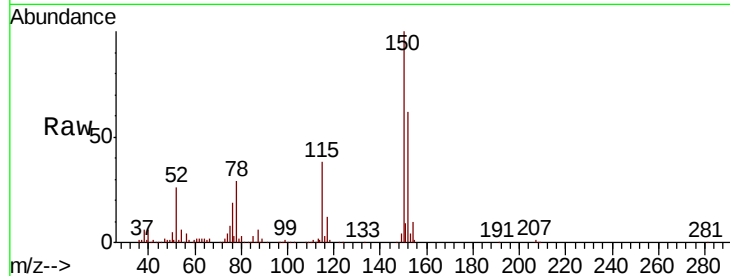


#72

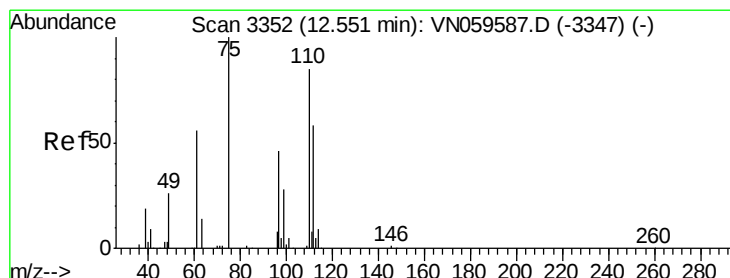
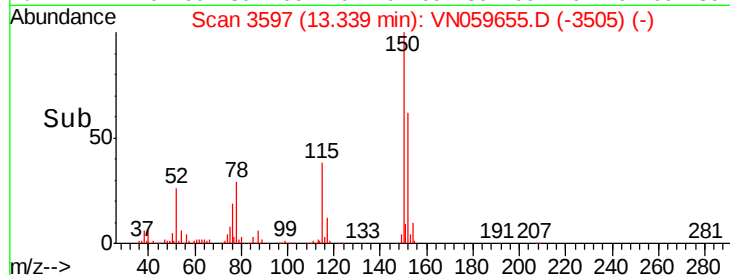
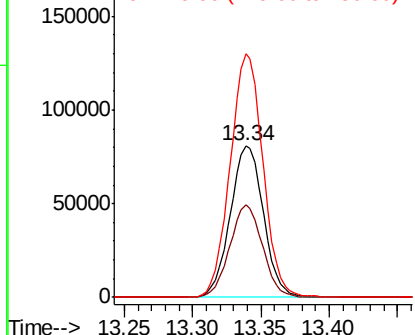
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	90.9
150	158.7	0.0	345.2



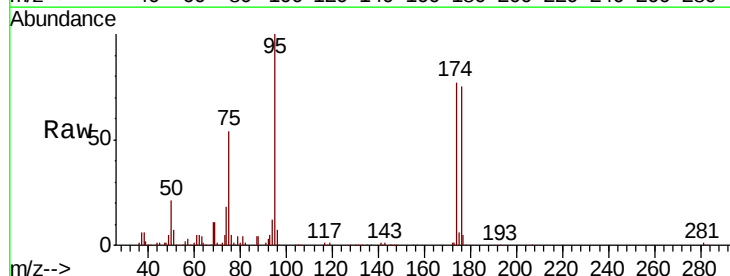
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



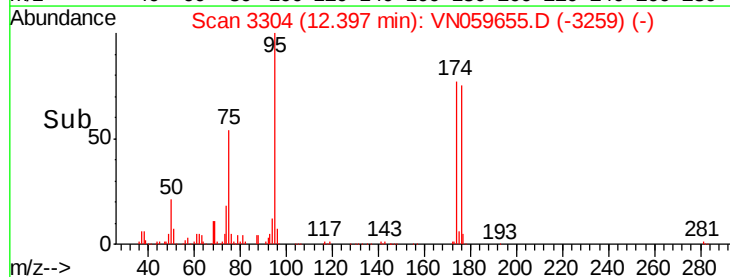
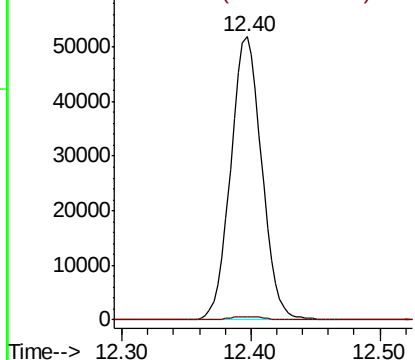
#76

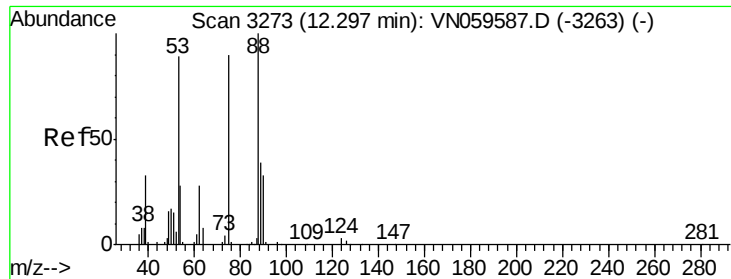
1,2,3-Trichloropropane
Concen: 25.682 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

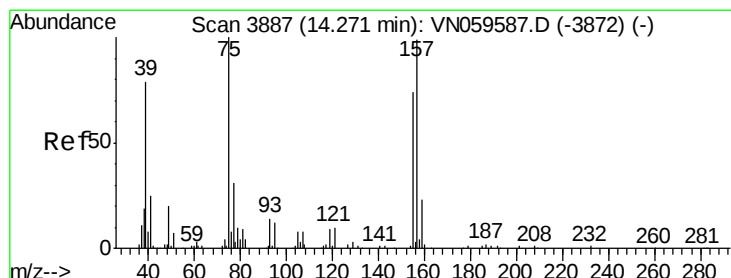
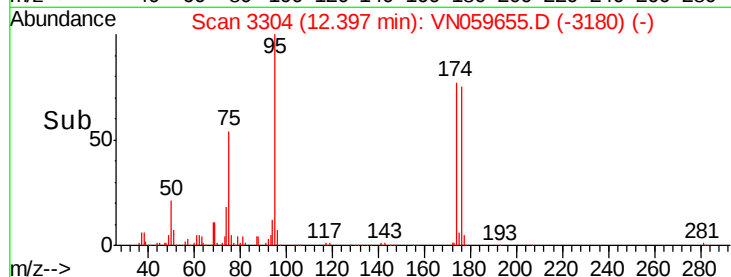
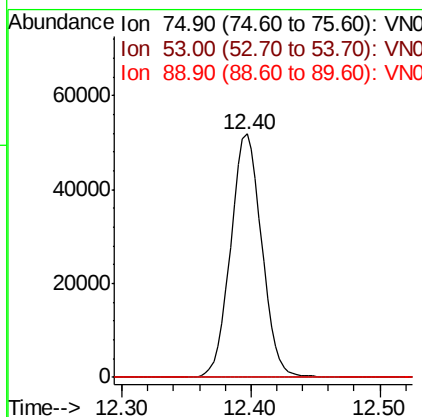
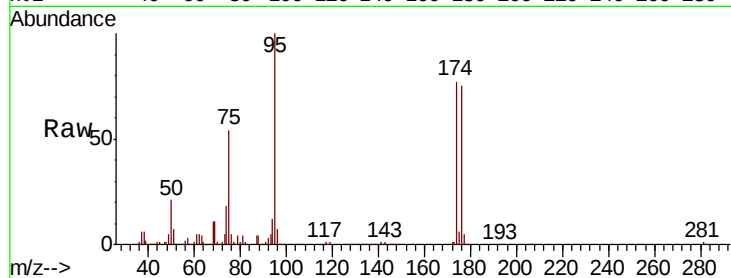




#81
trans-1,4-Dichloro-2-butene
Concen: 63.431 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 86832
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.801 ug/l
RT: 14.26 min Scan# 3885
Delta R.T. -0.01 min
Lab File: VN059655.D
Acq: 18 Dec 2019 17:32

Tgt Ion: 75 Resp: 173
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

