

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057856.D
 Acq On : 10 Sep 2019 12:45
 Operator : JC/SP
 Sample : K4622-36
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 13:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	239674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	431251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	189685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	302481	62.31	ug/l	0.00
Spiked Amount			Recovery	=	124.62%	
35) Dibromofluoromethane	7.57	113	203519	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.08	98	752204	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	246939	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	

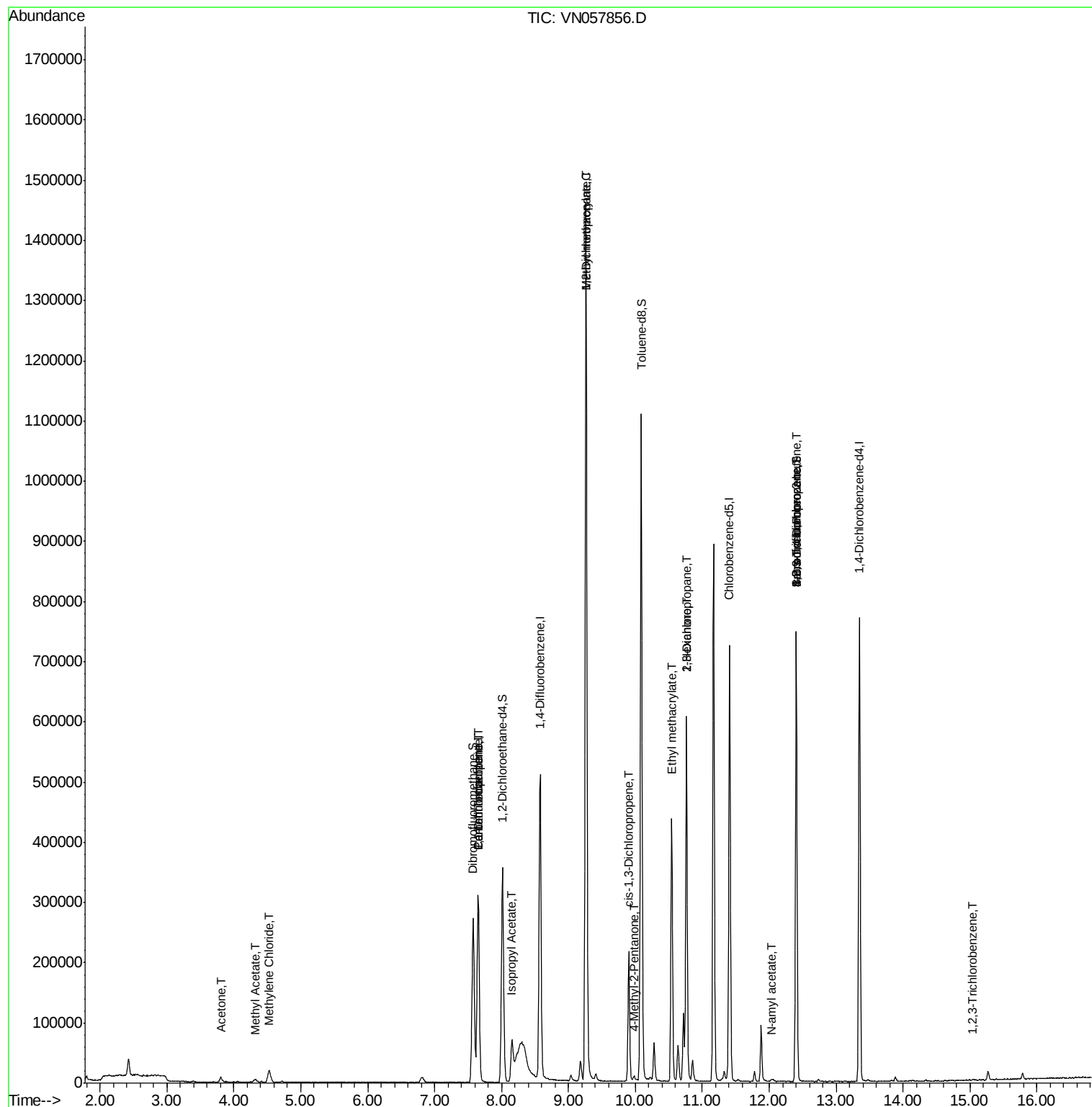
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	30	Below Cal	#	2
16) Acetone	3.80	43	13906	8.738	ug/l	95
18) Methyl Acetate	4.31	43	9059	2.135	ug/l #	90
20) Methylene Chloride	4.53	84	13720	3.381	ug/l	92
31) Cyclohexane	7.65	56	6512	Below Cal	#	40
36) 1,1-Dichloropropene	7.65	75	20668	4.132	ug/l #	49
38) Carbon Tetrachloride	7.65	117	24991	5.473	ug/l #	16
43) Isopropyl Acetate	8.15	43	96718	11.130	ug/l #	87
45) 1,2-Dichloropropane	9.26	63	1510	0.345	ug/l #	44
48) Methyl methacrylate	9.26	41	145330	32.969	ug/l #	47
51) 4-Methyl-2-Pentanone	9.98	43	4770	0.928	ug/l #	86
54) cis-1,3-Dichloropropene	9.90	75	35137	5.716	ug/l #	67
56) Ethyl methacrylate	10.54	69	1613	0.267	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5788	0.836	ug/l #	43
59) 2-Hexanone	10.76	43	94090	24.411	ug/l #	53
71) Bromoform	12.41	173	2064	0.945	ug/l #	1
74) N-amyl acetate	12.03	43	2608	0.407	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	136553	31.823	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	136553	111.986	ug/l #	6
95) Naphthalene	15.14	128	379	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.05	180	60	1.013	ug/l #	12

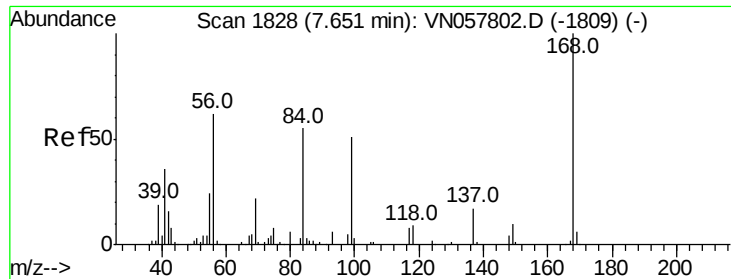
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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Acq On : 10 Sep 2019 12:45
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ALS Vial : 62 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 10 13:26:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

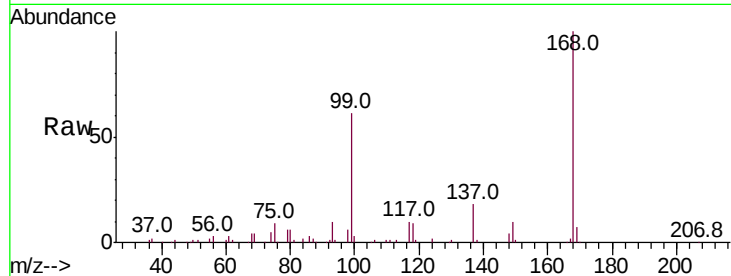
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 239674

Ion Ratio Lower Upper

168 100

99 61.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

100000

80000

60000

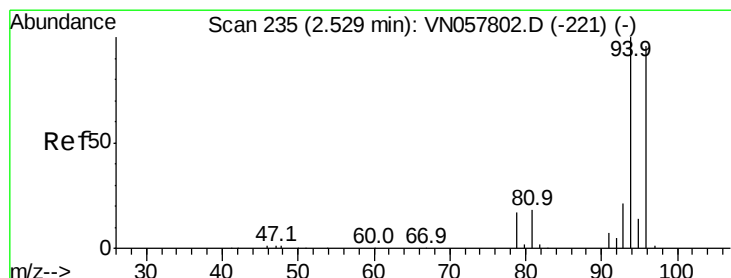
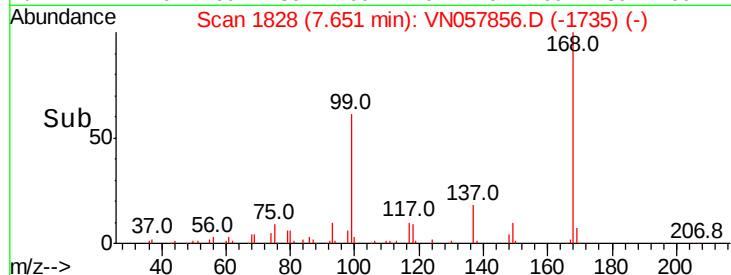
40000

20000

0

Time-->

7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057856.D

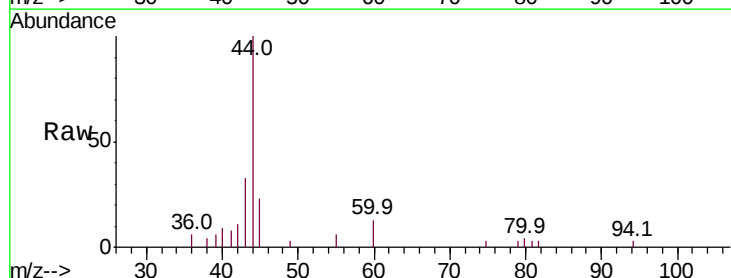
Acq: 10 Sep 2019 12:45

Tgt Ion: 94 Resp: 30

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

150

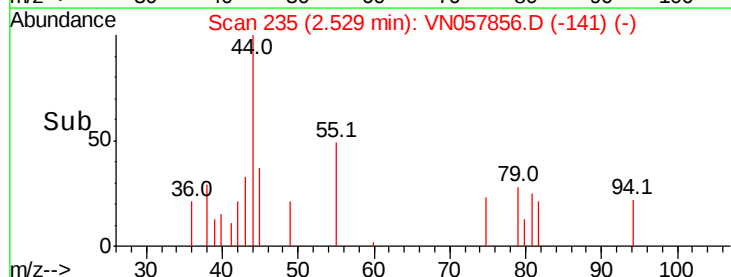
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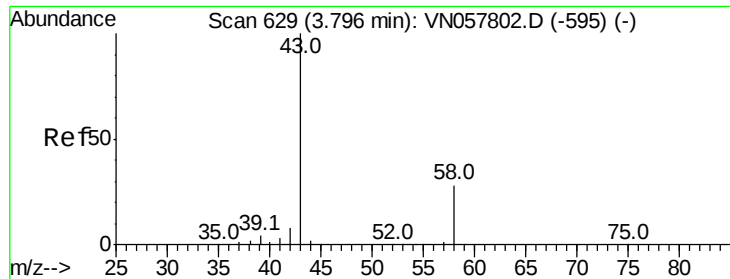
50

0

Time-->

2.52 2.52 2.53 2.54 2.54

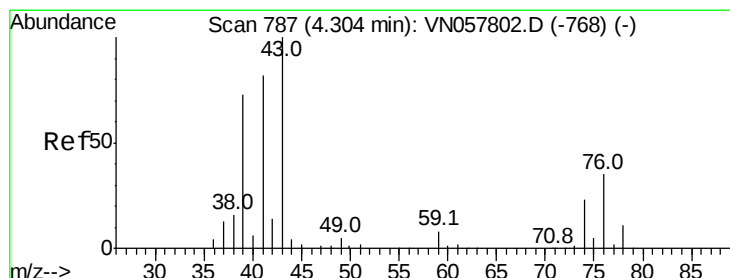
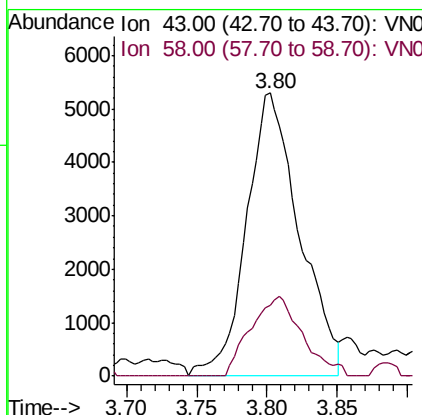
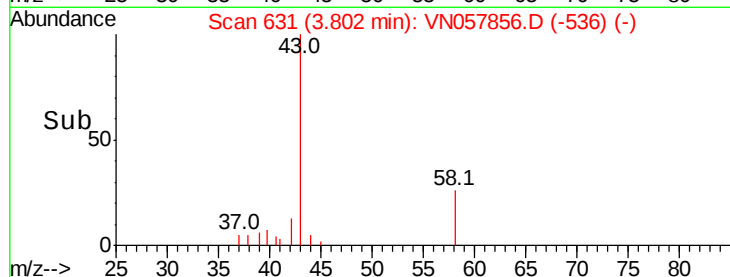
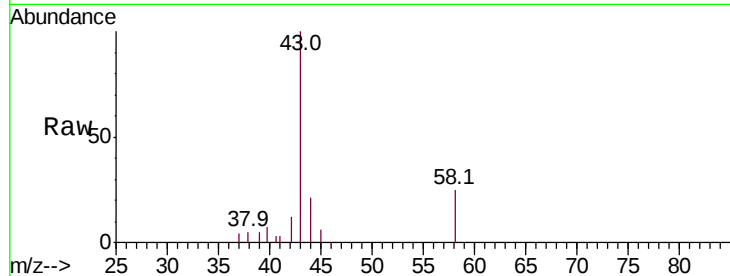




#16
 Acetone
 Concen: 8.738 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

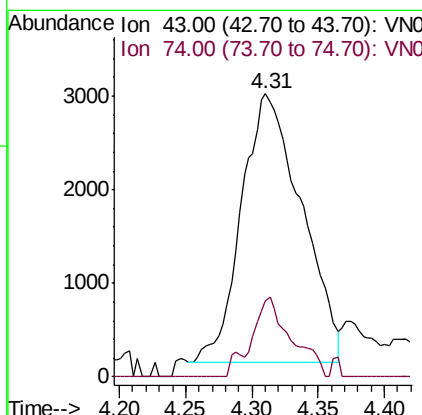
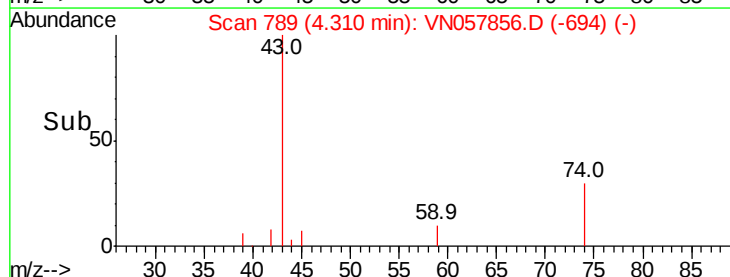
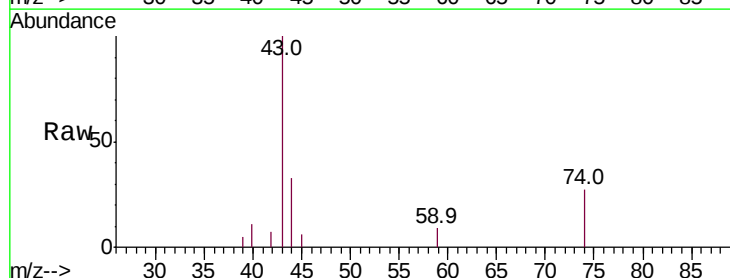
Instrument :
 MSVOA_N
 ClientSampled :

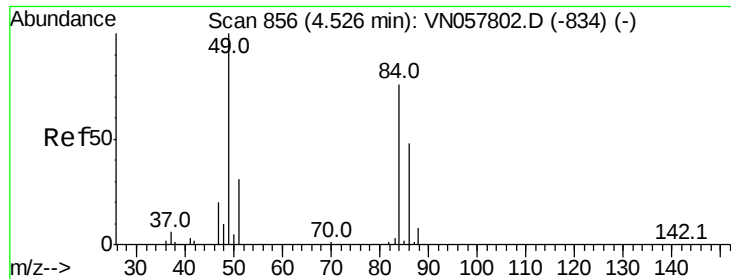
Tot Ion: 43 Resp: 13906
 Ion Ratio Lower Upper
 43 100
 58 25.1 22.2 33.2



#18
 Methyl Acetate
 Concen: 2.135 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

Tgt Ion: 43 Resp: 9059
 Ion Ratio Lower Upper
 43 100
 74 17.6 17.9 26.9#

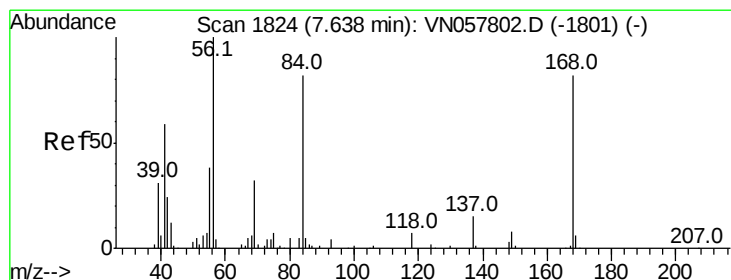
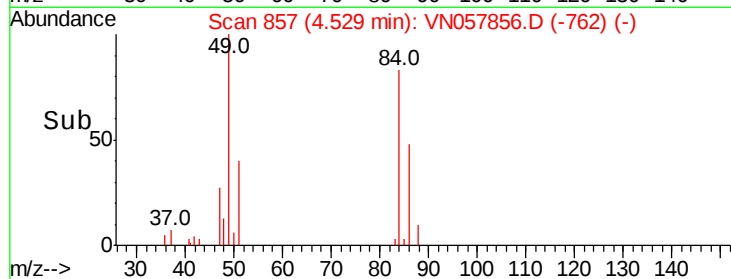
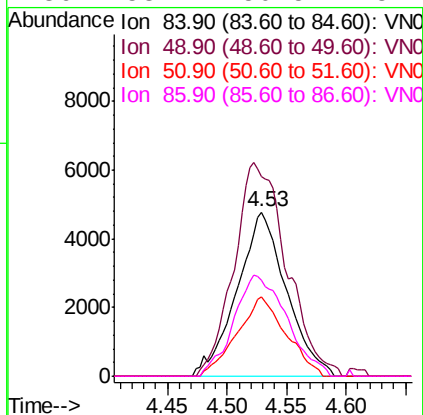
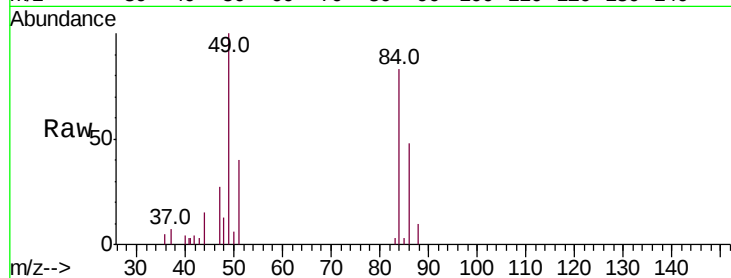




#20
Methylene Chloride
Concen: 3.381 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057856.D
Acq: 10 Sep 2019 12:45

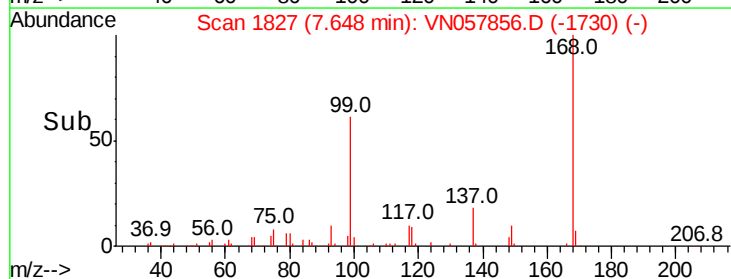
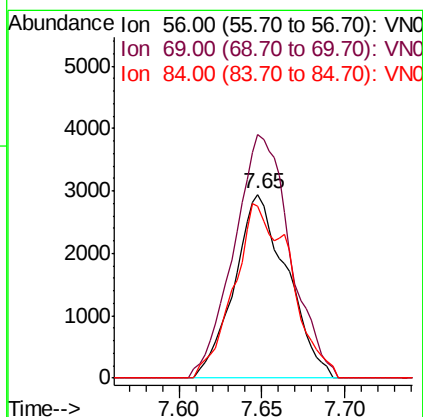
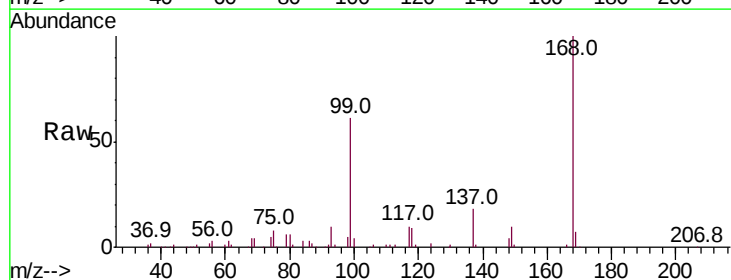
Instrument :
MSVOA_N
ClientSampled :

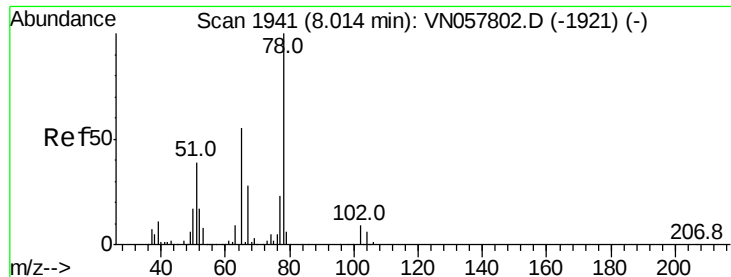
Tot Ion:	84	Resp:	13720
Ion	Ratio	Lower	Upper
84	100		
49	121.1	104.8	157.2
51	48.4	33.0	49.4
86	58.1	50.5	75.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057856.D
Acq: 10 Sep 2019 12:45

Tgt Ion:	56	Resp:	6512
Ion	Ratio	Lower	Upper
56	100		
69	132.4	25.9	38.9#
84	93.4	65.6	98.4

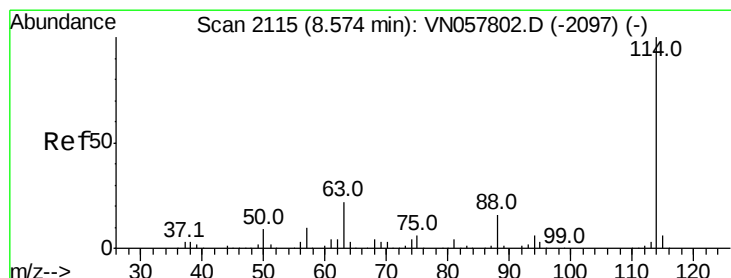
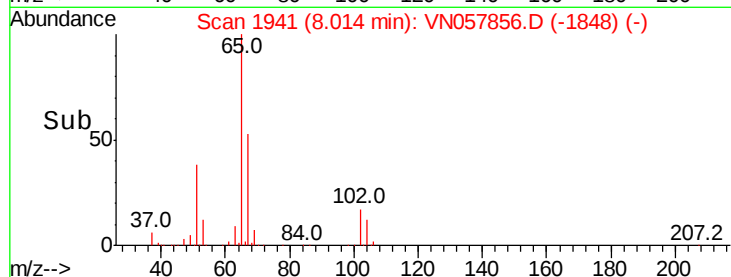
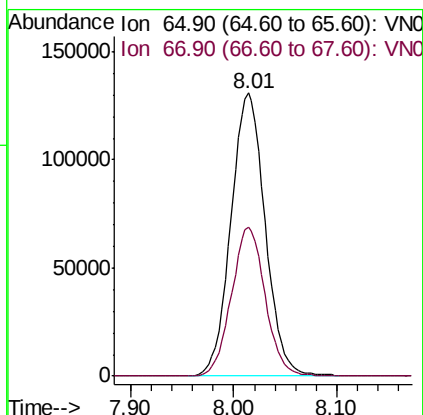
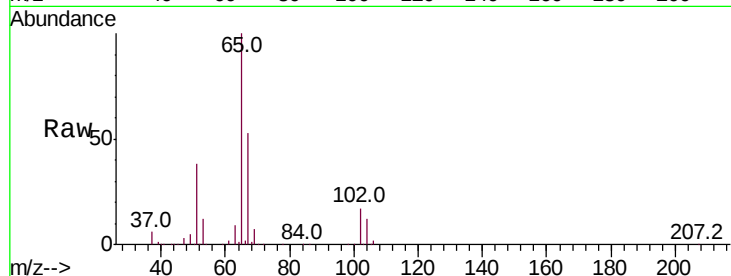




#33
 1,2-Dichloroethane-d4
 Concen: 62.311 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

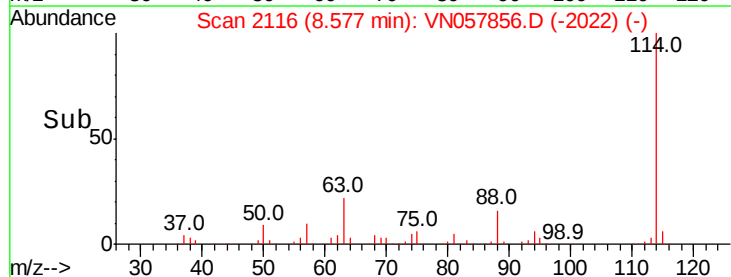
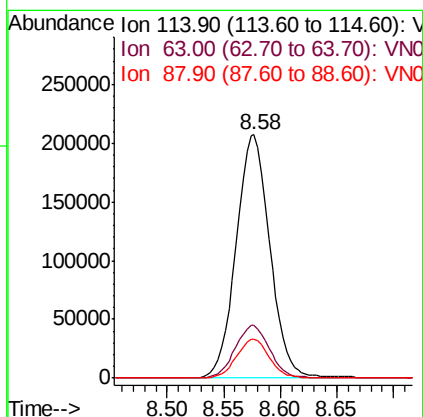
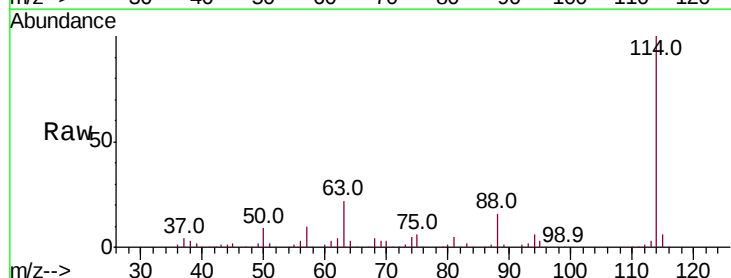
Instrument :
 MSVOA_N
 ClientSampled :

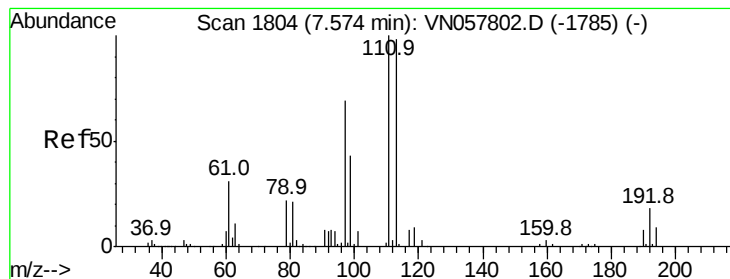
Tot Ion: 65 Resp: 302481
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

Tgt Ion: 114 Resp: 431251
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.0
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.132 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :

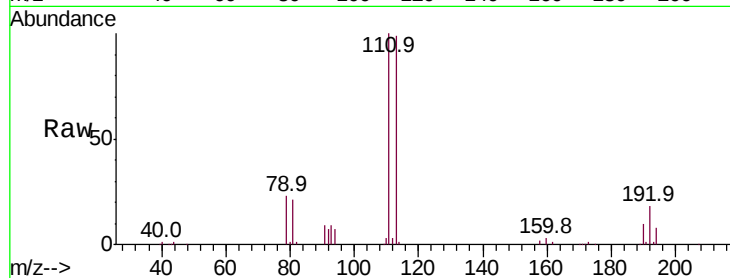
Tot Ion:113 Resp: 203519

Ion Ratio Lower Upper

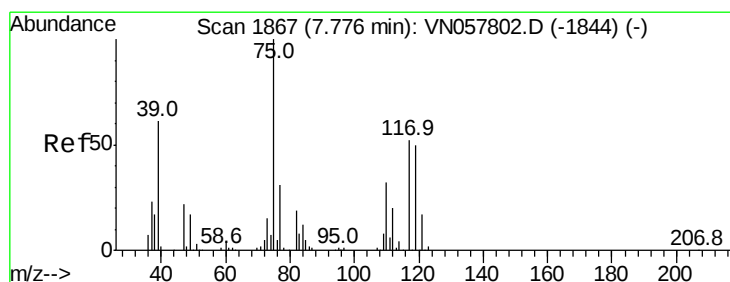
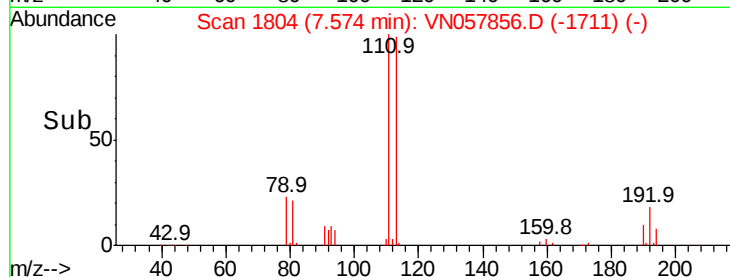
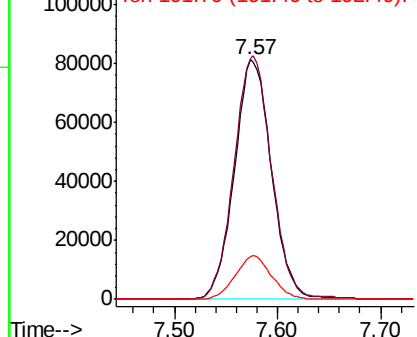
113 100

111 102.8 81.3 121.9

192 17.8 14.6 22.0



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: 4.132 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

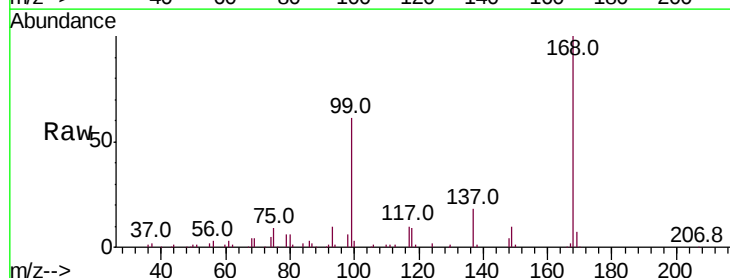
Tgt Ion: 75 Resp: 20668

Ion Ratio Lower Upper

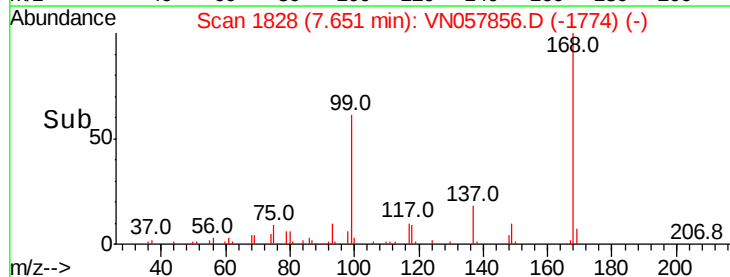
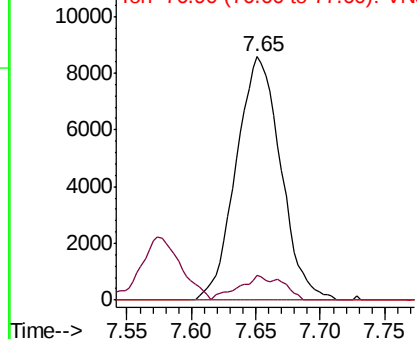
75 100

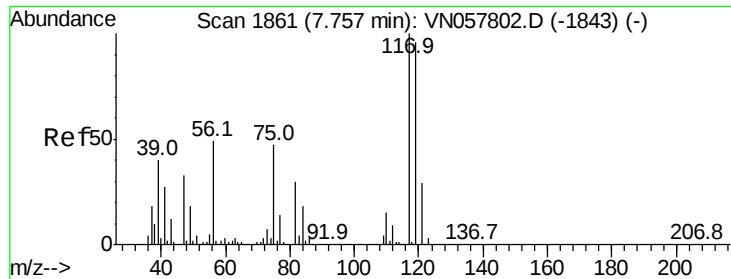
110 6.6 16.3 48.9#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

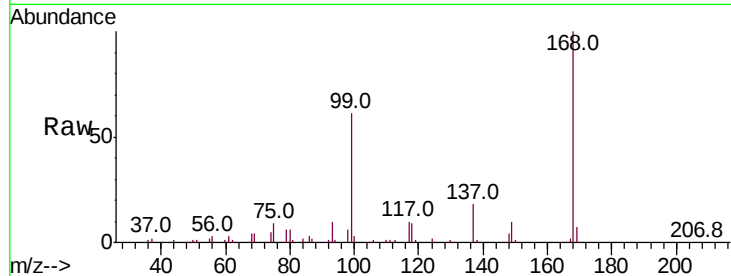




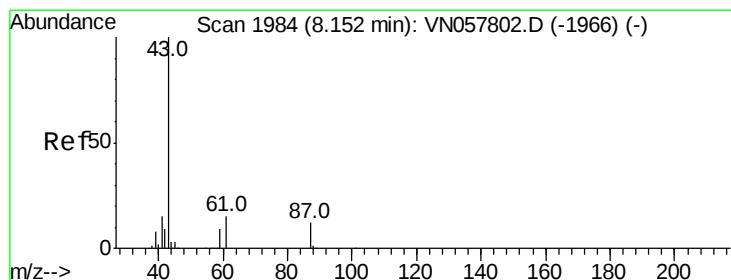
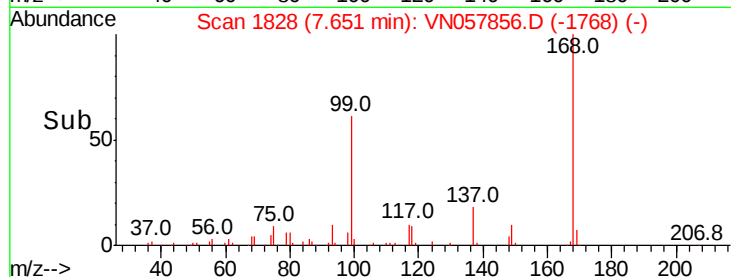
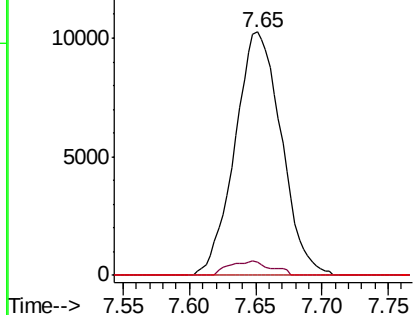
#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057856.D
Acq: 10 Sep 2019 12:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 24991
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 23.4 35.2#

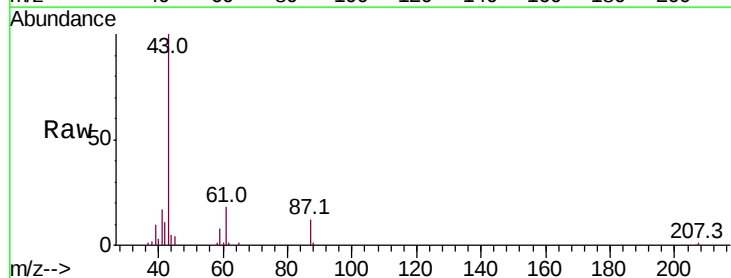


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

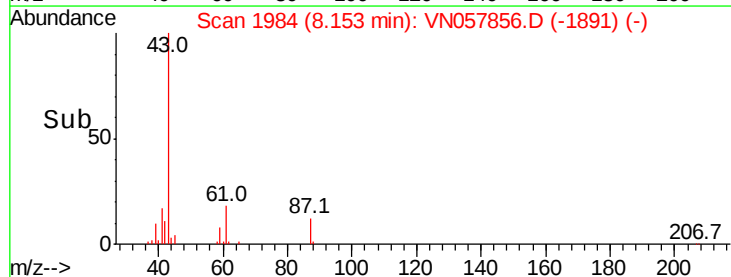
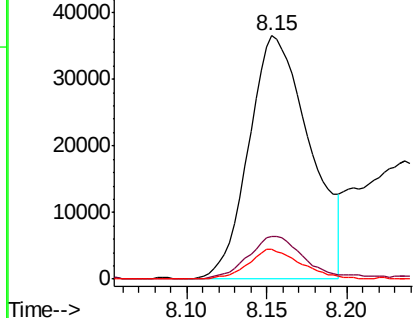


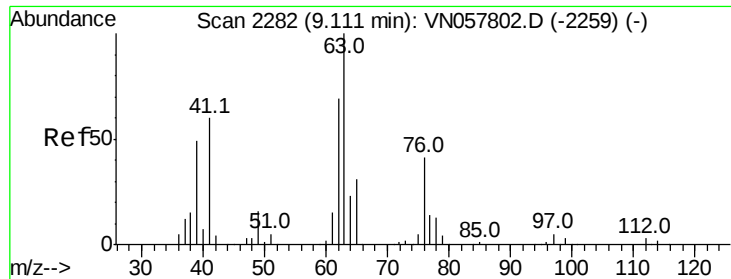
#43
Isopropyl Acetate
Concen: 11.130 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057856.D
Acq: 10 Sep 2019 12:45

Tgt Ion: 43 Resp: 96718
Ion Ratio Lower Upper
43 100
61 16.6 20.1 30.1#
87 10.5 9.5 14.3



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

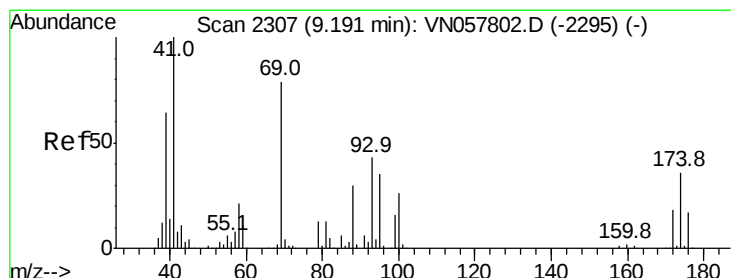
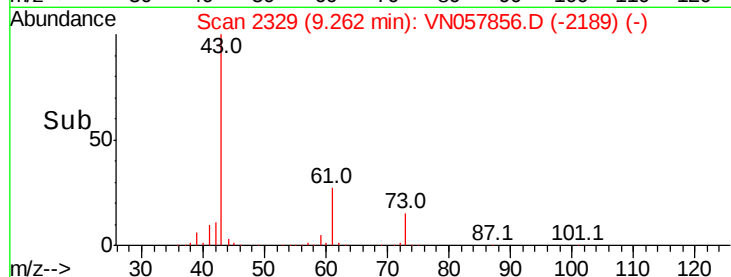
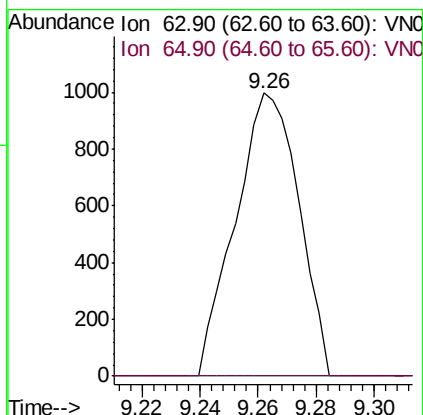
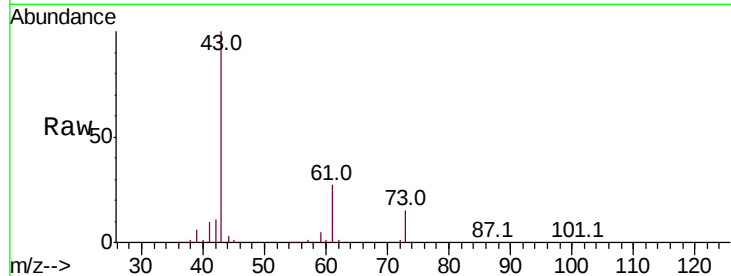




#45
 1,2-Dichloropropane
 Concen: 0.345 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.15 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

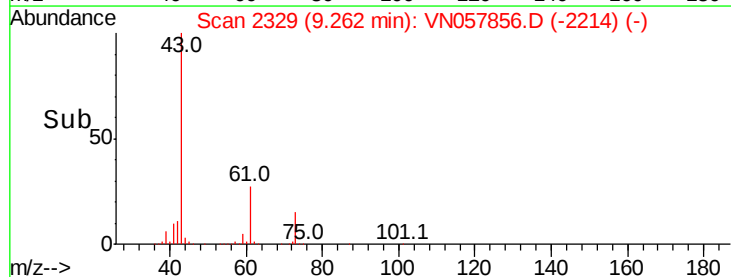
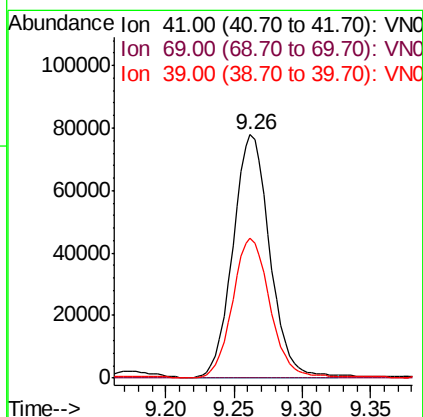
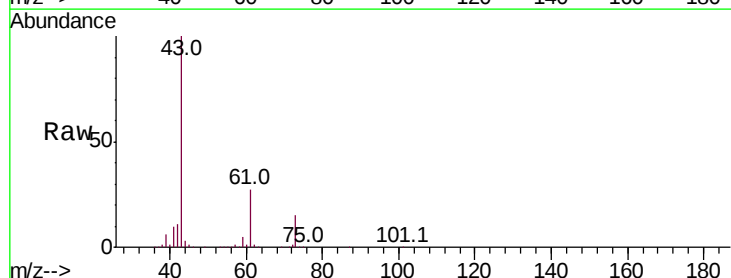
Instrument :
 MSVOA_N
 ClientSampled :

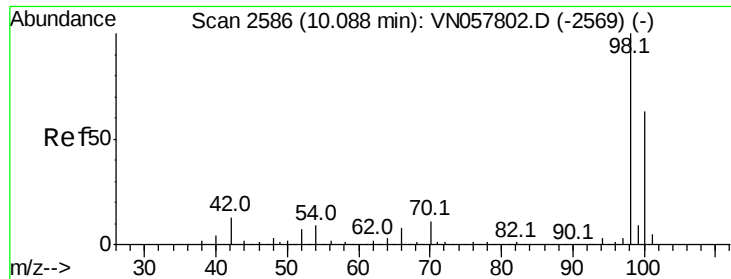
Tot Ion: 63 Resp: 1510
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 32.969 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.07 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

Tgt Ion: 41 Resp: 145330
 Ion Ratio Lower Upper
 41 100
 69 0.1 62.7 94.1#
 39 58.1 52.7 79.1





#50

Toluene-d8

Concen: 48.675 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

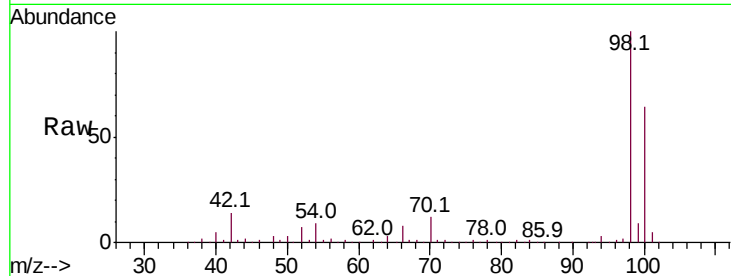
ClientSampled :

Tot Ion: 98 Resp: 752204

Ion Ratio Lower Upper

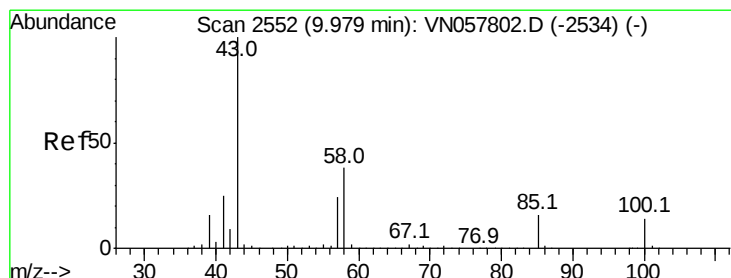
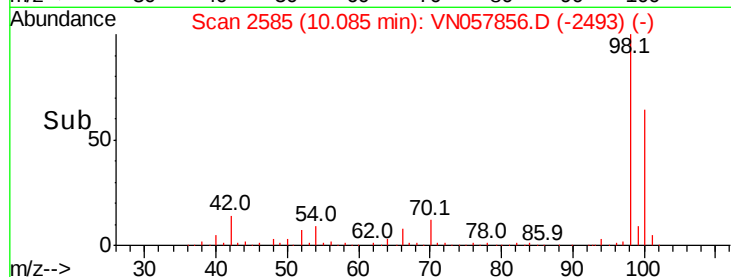
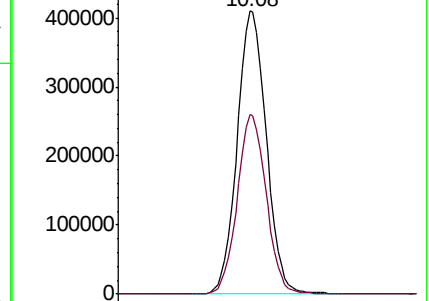
98 100

100 63.1 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.928 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057856.D

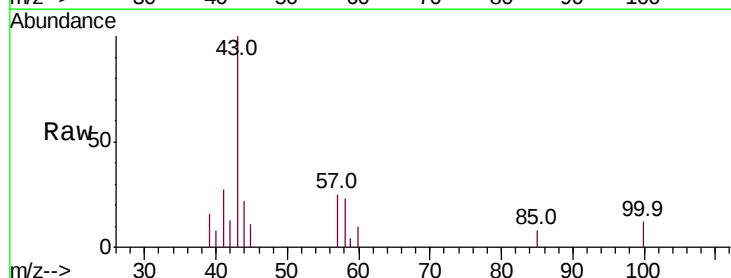
Acq: 10 Sep 2019 12:45

Tgt Ion: 43 Resp: 4770

Ion Ratio Lower Upper

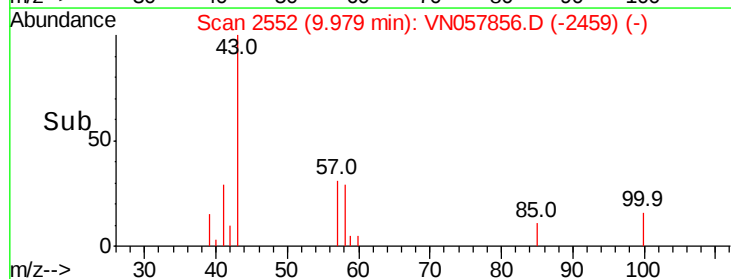
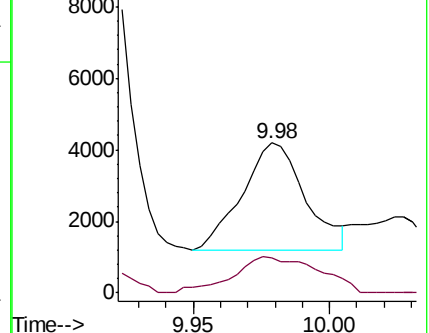
43 100

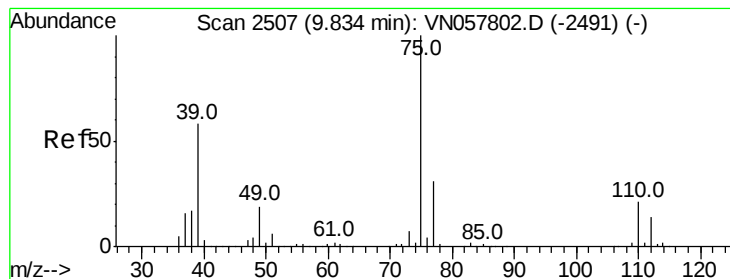
58 45.8 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



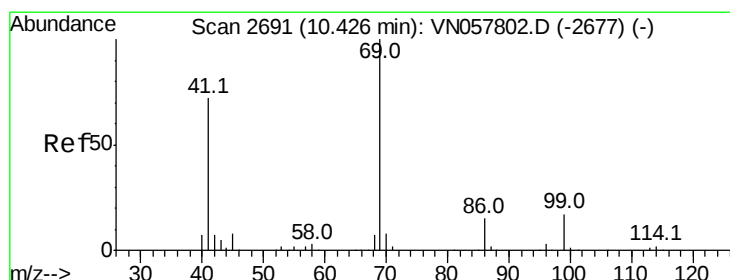
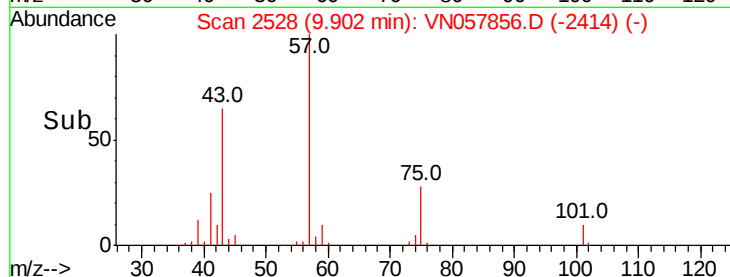
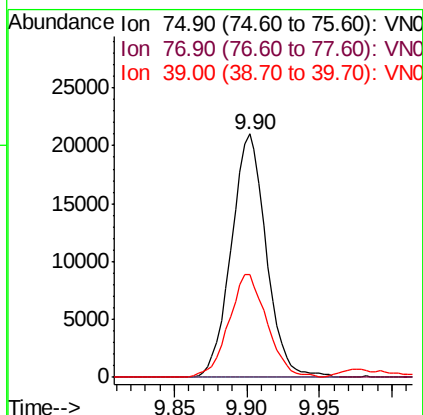
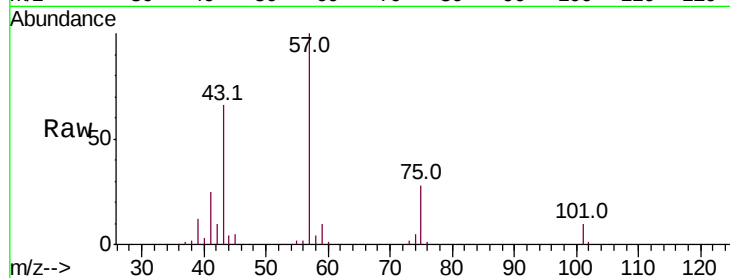


#54

cis-1,3-Dichloropropene
 Concen: 5.716 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

Instrument :
 MSVOA_N
 ClientSampled :

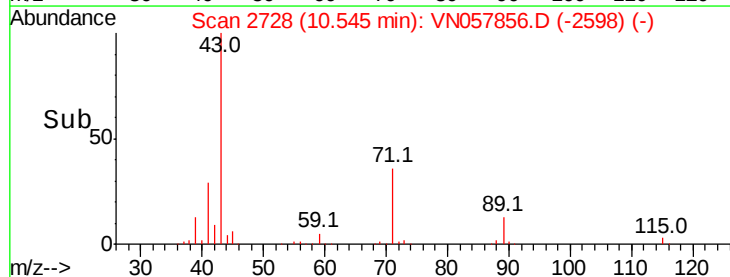
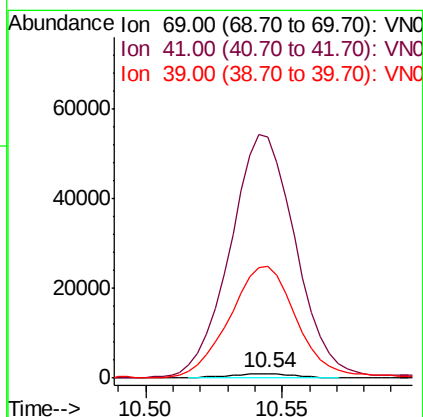
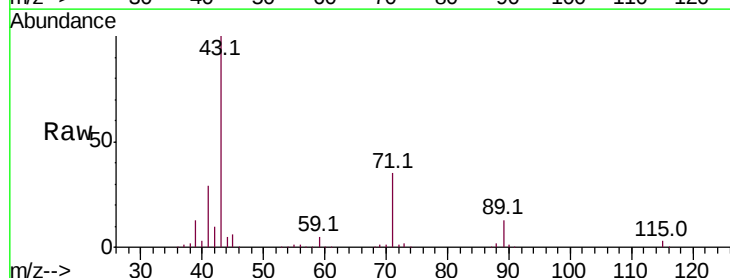
Tot Ion: 75 Resp: 35137
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 42.2 46.2 69.4#

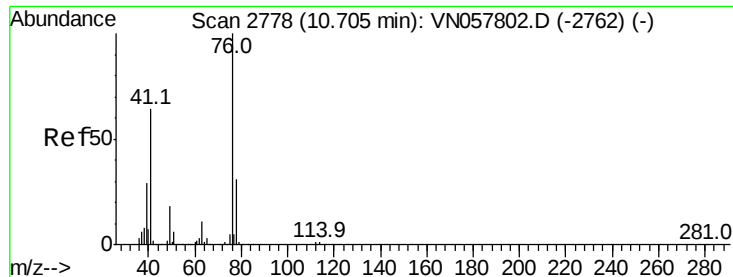


#56

Ethyl methacrylate
 Concen: 0.267 ug/l
 RT: 10.54 min Scan# 2728
 Delta R.T. 0.12 min
 Lab File: VN057856.D
 Acq: 10 Sep 2019 12:45

Tgt Ion: 69 Resp: 1613
 Ion Ratio Lower Upper
 69 100
 41 5659.0 56.7 85.1#
 39 2606.6 36.3 54.5#





#57

1,3-Dichloropropane

Concen: 0.836 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

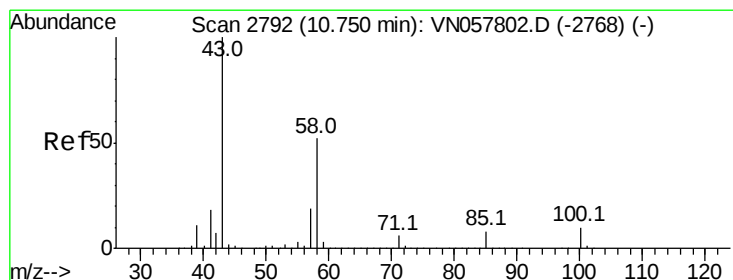
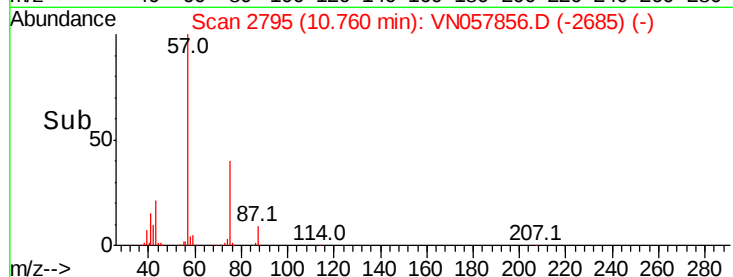
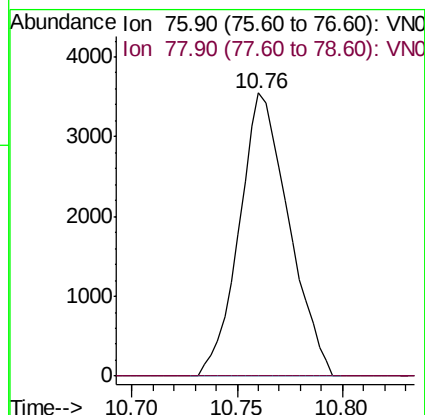
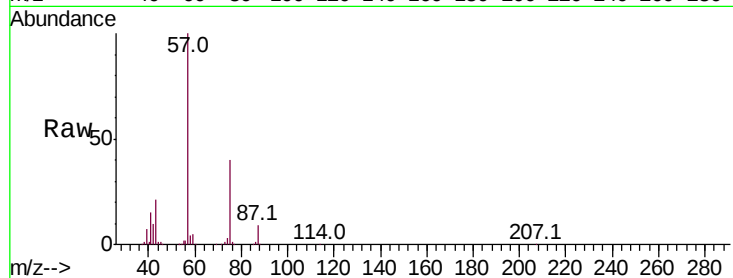
ClientSampled :

Tot Ion: 76 Resp: 5788

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#



#59

2-Hexanone

Concen: 24.411 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN057856.D

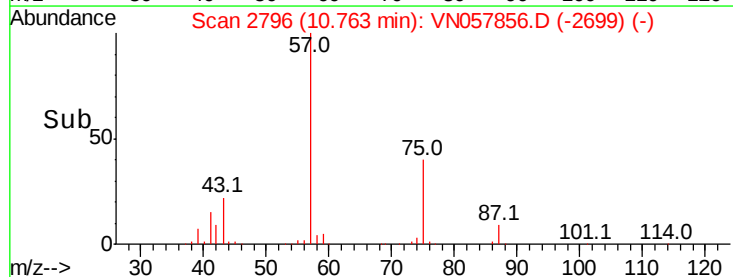
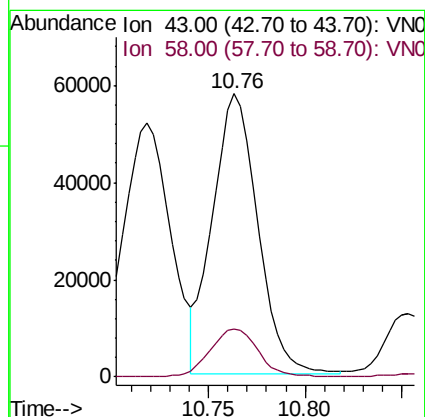
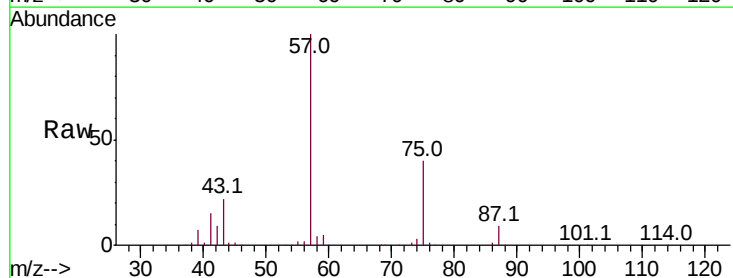
Acq: 10 Sep 2019 12:45

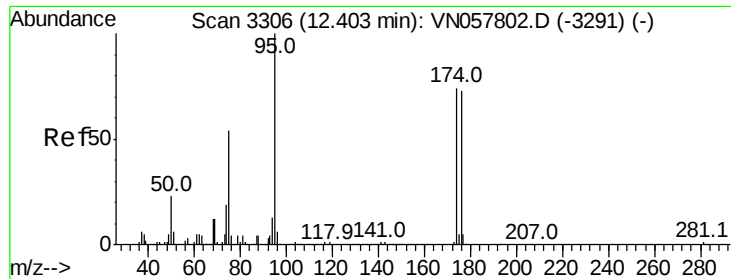
Tgt Ion: 43 Resp: 94090

Ion Ratio Lower Upper

43 100

58 18.2 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 41.931 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

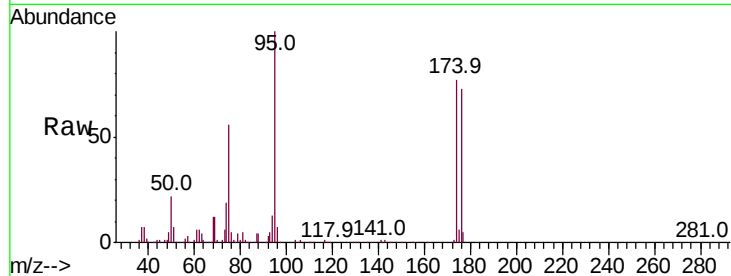
Tot Ion: 95 Resp: 246939

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

176 73.0 0.0 146.0

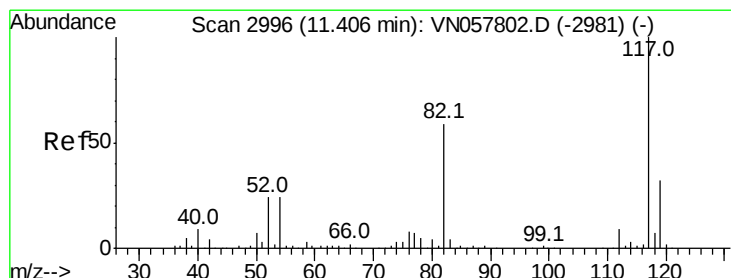
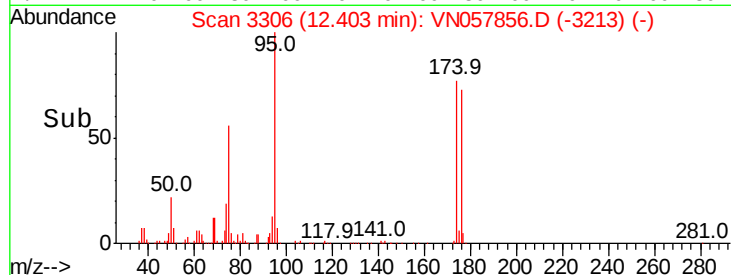
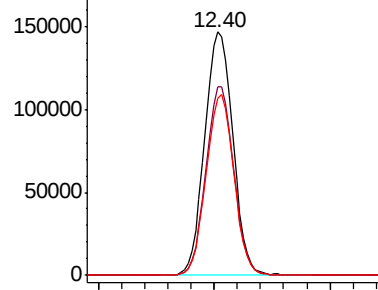


Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

200000

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

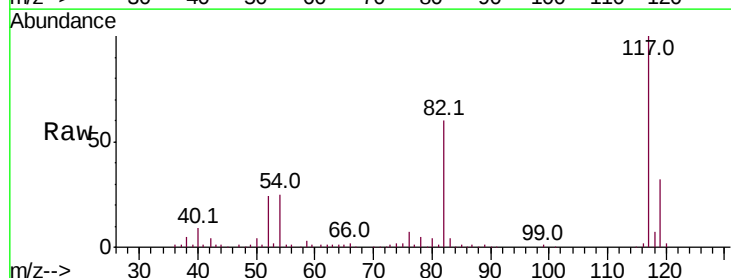
Tgt Ion: 117 Resp: 385866

Ion Ratio Lower Upper

117 100

82 59.9 47.2 70.8

119 31.6 25.3 37.9

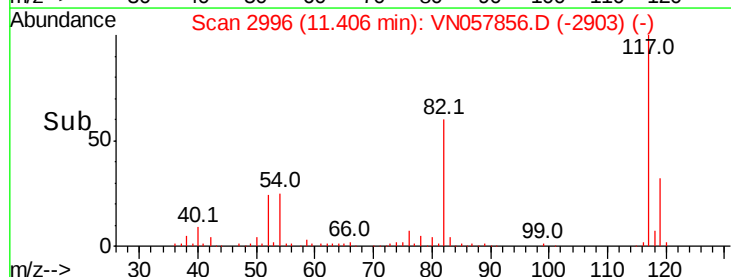
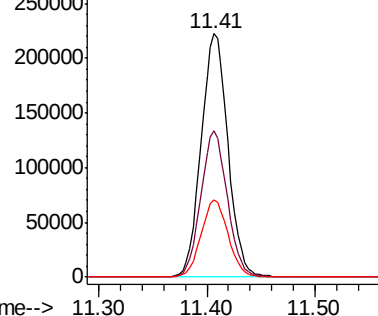


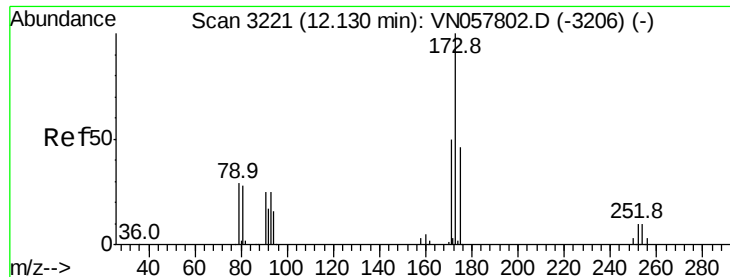
Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

300000

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)





#71

Bromoform

Concen: 0.945 ug/l

RT: 12.41 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

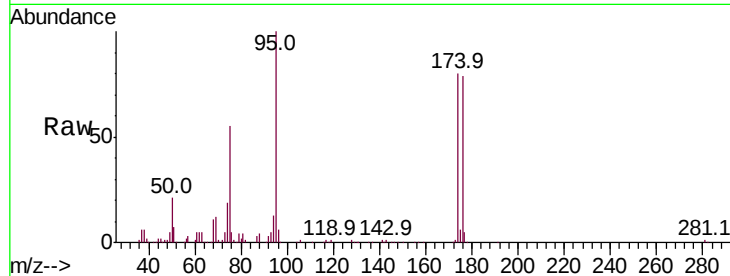
Tot Ion:173 Resp: 2064

Ion Ratio Lower Upper

173 100

175 610.2 23.5 70.6#

254 0.0 0.1 0.1#

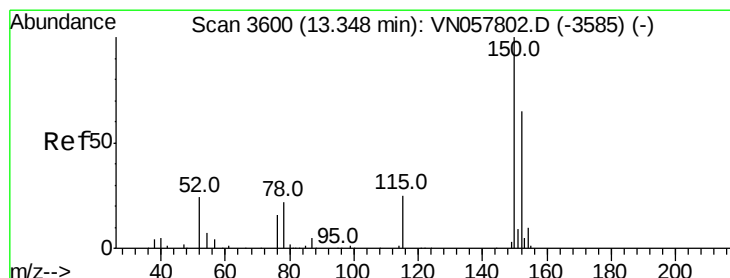
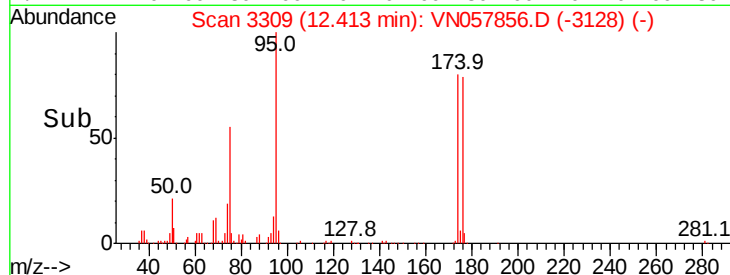
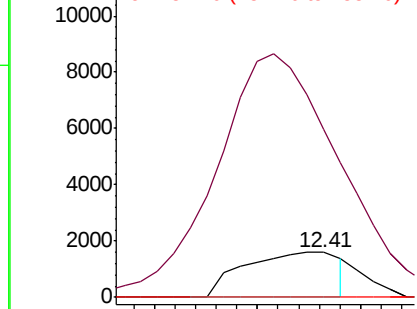


Abundance

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

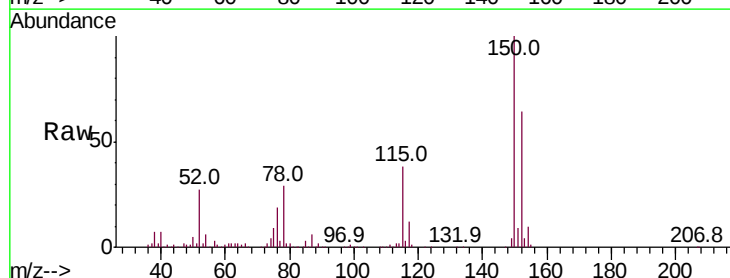
Tgt Ion:152 Resp: 189685

Ion Ratio Lower Upper

152 100

115 60.3 30.3 91.0

150 156.5 0.0 352.4

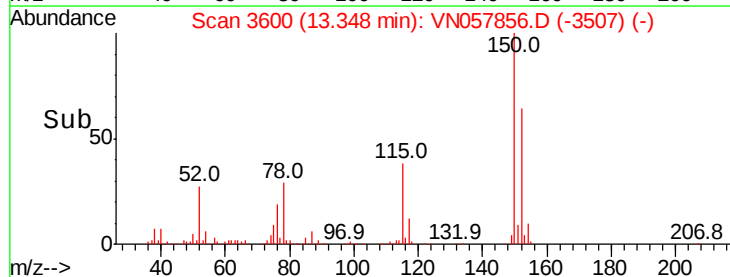
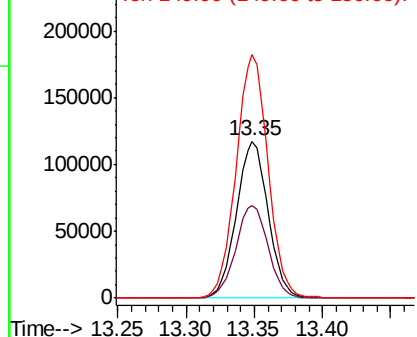


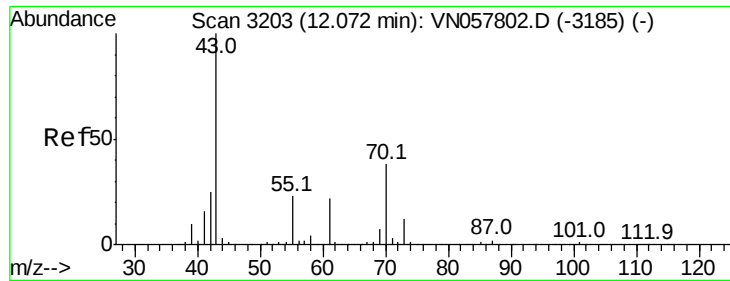
Abundance

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





#74

N-amvl acetate

Concen: 0.407 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2608

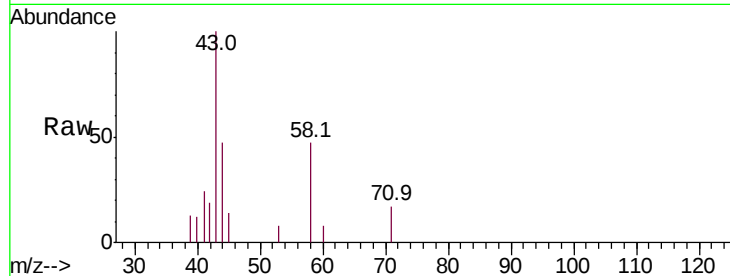
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 0.0 18.6 27.8#

61 0.0 17.4 26.2#

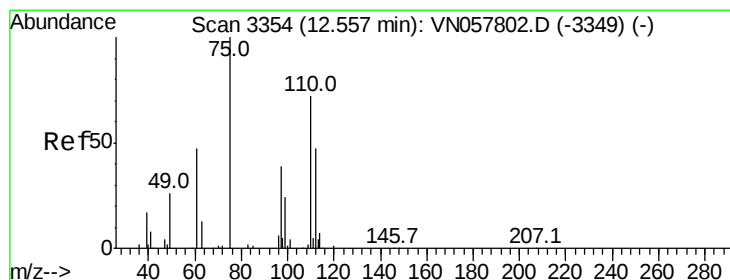
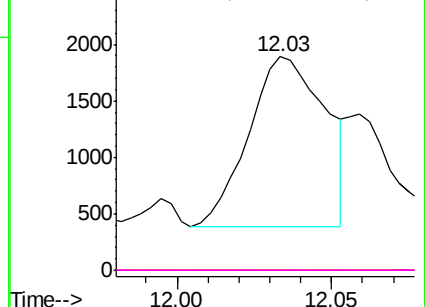
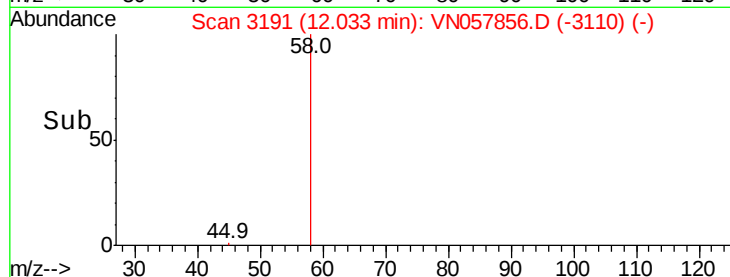


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.823 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057856.D

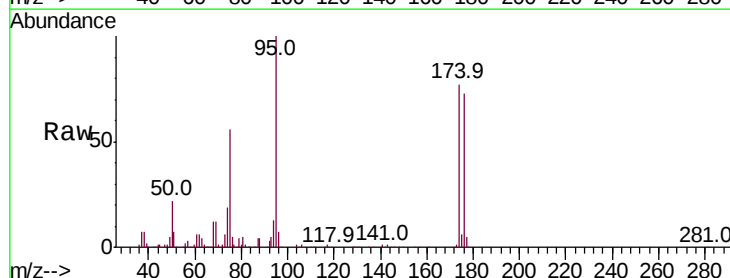
Acq: 10 Sep 2019 12:45

Tgt Ion: 75 Resp: 136553

Ion Ratio Lower Upper

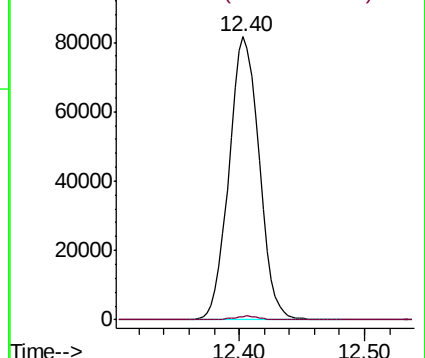
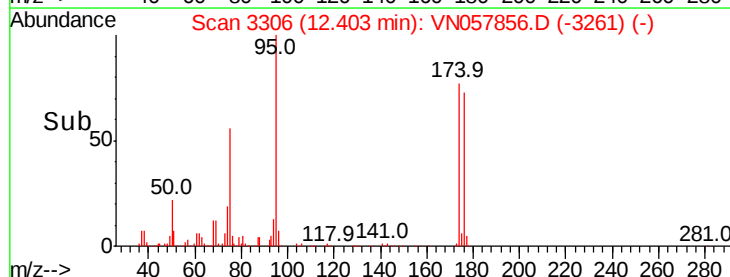
75 100

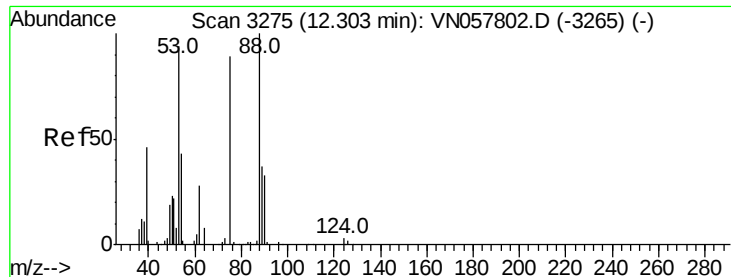
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 111.986 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

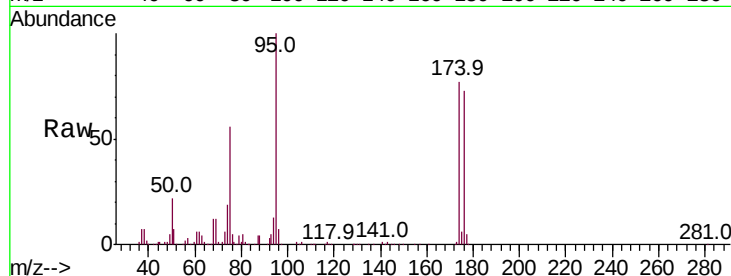
Tot Ion: 75 Resp: 136553

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

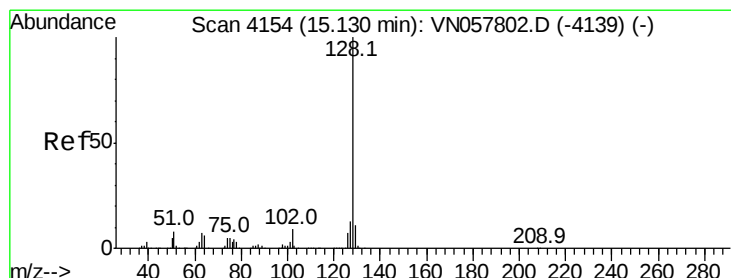
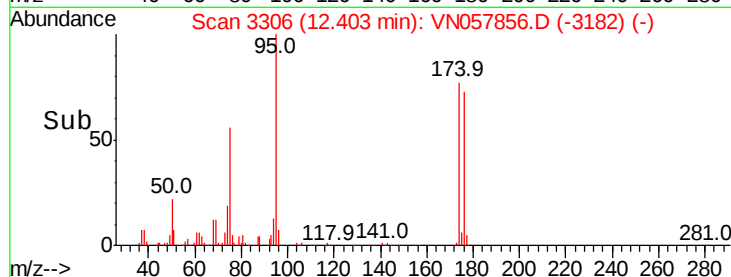
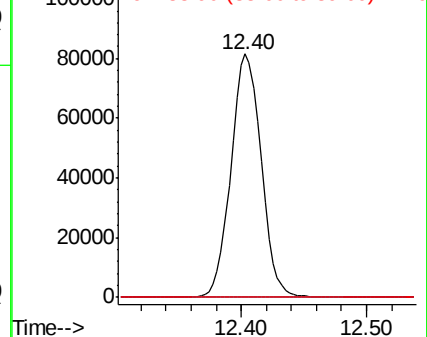
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

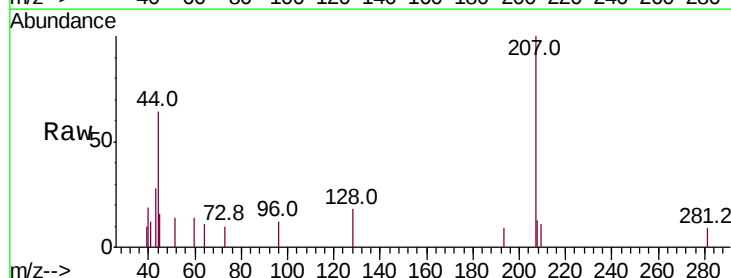
Tgt Ion: 128 Resp: 379

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

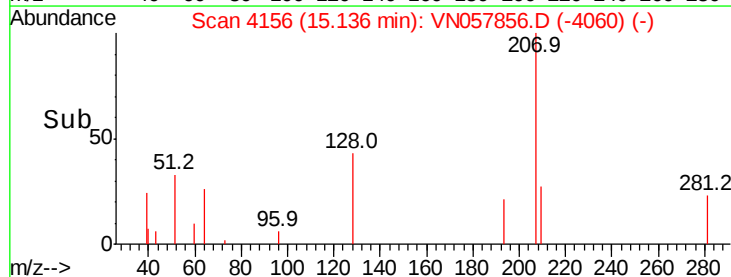
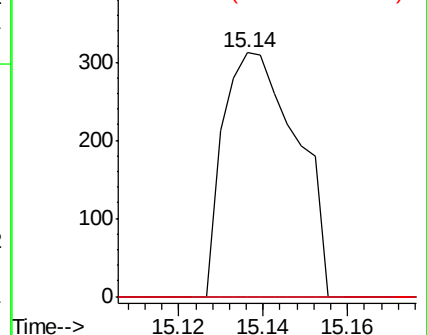
129 0.0 8.6 12.8#

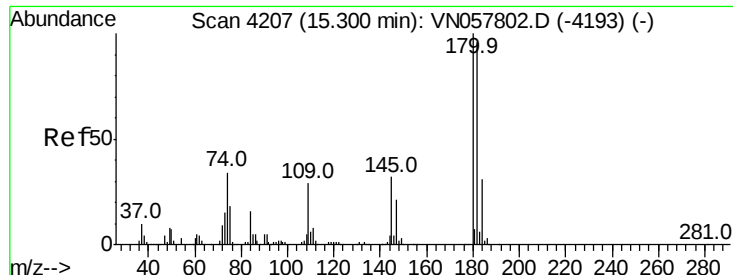


Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)





#96

1,2,3-Trichlorobenzene

Concen: 1.013 ug/l

RT: 15.05 min Scan# 4130

Delta R.T. -0.25 min

Lab File: VN057856.D

Acq: 10 Sep 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

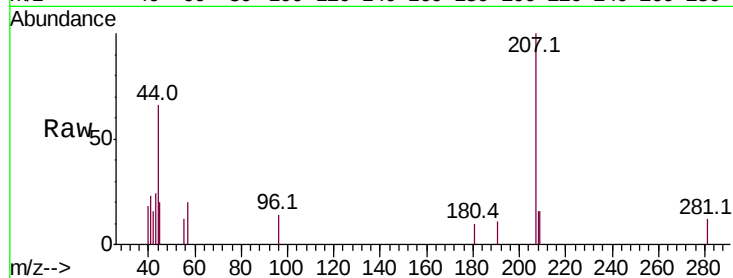
Tot Ion:180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.8#

145 0.0 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

