

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056290.D
 Acq On : 13 Jun 2019 18:42
 Operator : JC/SP
 Sample : K3345-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:14:29 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	322950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164084	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	182908	57.04	ug/l	0.00
Spiked Amount			Recovery	=	114.08%	
35) Dibromofluoromethane	7.59	113	163313	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.09	98	656678	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.40	95	219436	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

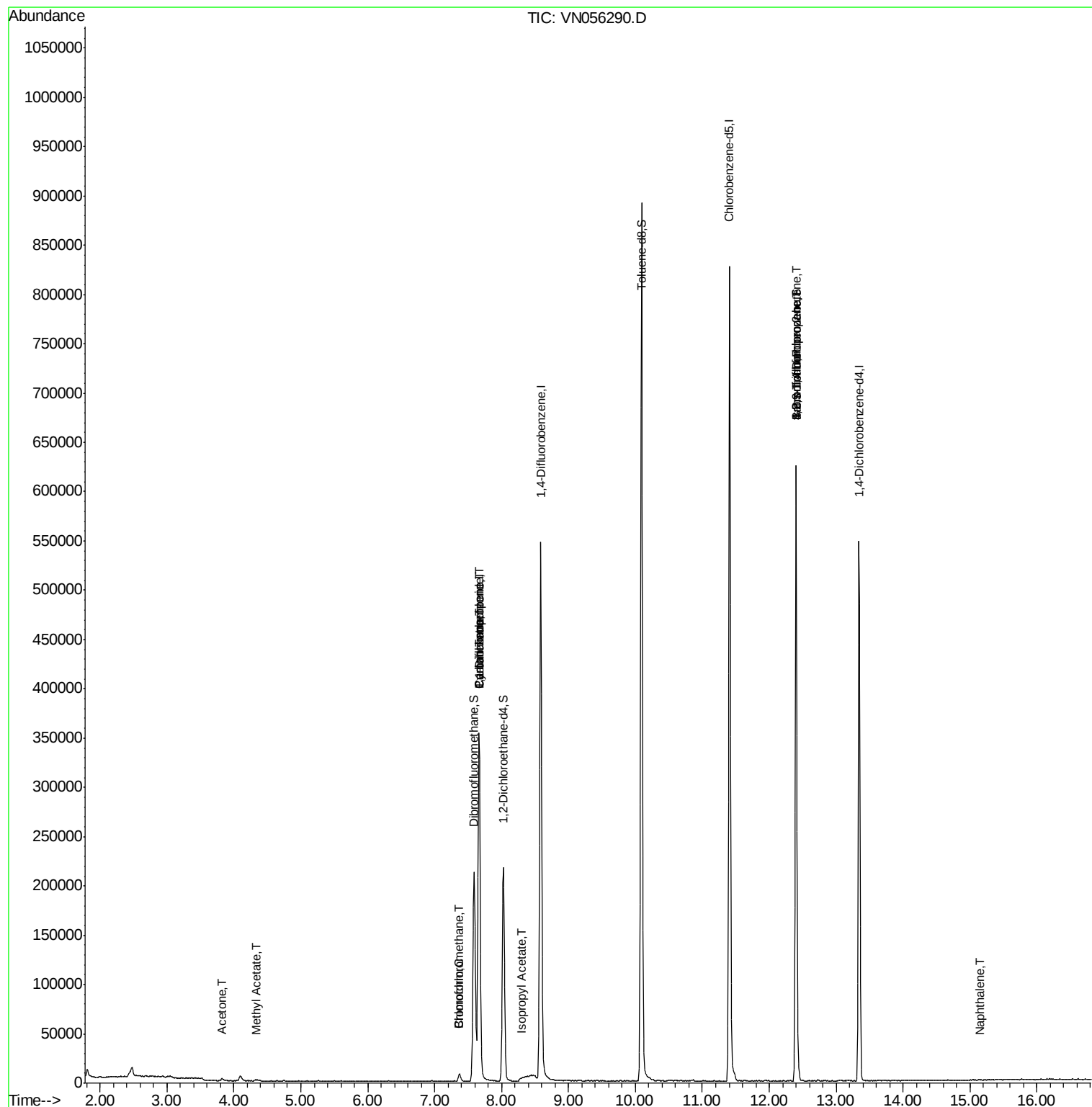
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	4657	3.037	ug/l	94
18) Methyl Acetate	4.33	43	3882	0.719	ug/l #	65
28) Bromochloromethane	7.38	49	511	0.212	ug/l #	7
30) Chloroform	7.37	83	8739	1.702	ug/l	89
31) Cyclohexane	7.67	56	5002	0.983	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20230	4.431	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27506	6.535	ug/l #	15
43) Isopropyl Acetate	8.29	43	2295	0.349	ug/l #	53
71) Bromoform	12.40	173	1793	3.294	ug/l #	1
73) Isopropylbenzene	12.40	105	102	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	100782	33.380	ug/l #	100
79) 2-Chlorotoluene	12.59	91	183	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	100782	111.162	ug/l #	15
95) Naphthalene	15.14	128	278	3.884	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061319\
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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: VN056290.D

Acq: 13 Jun 2019 18:42

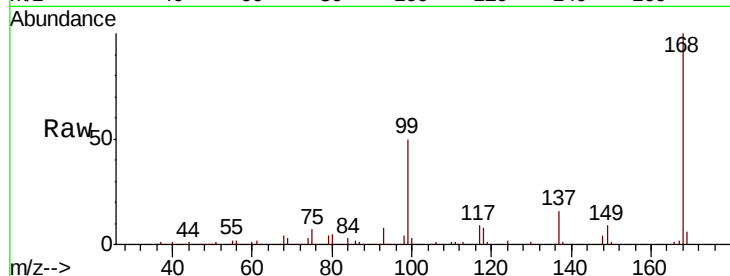
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 322950

Ion Ratio Lower Upper

168 100

99 49.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

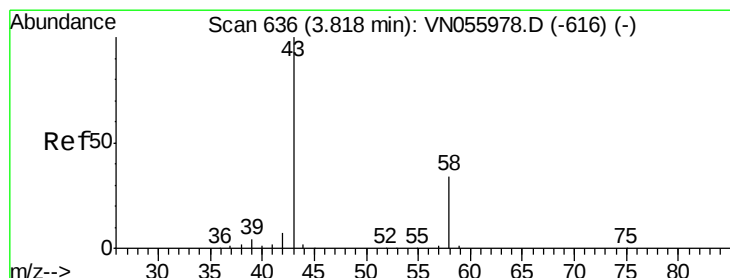
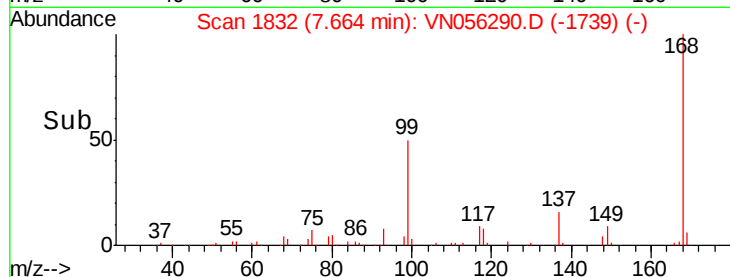
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 3.037 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056290.D

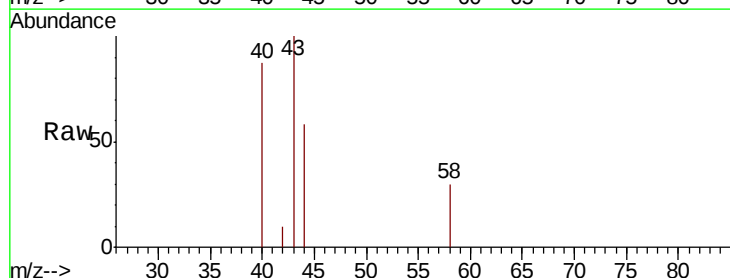
Acq: 13 Jun 2019 18:42

Tgt Ion: 43 Resp: 4657

Ion Ratio Lower Upper

43 100

58 30.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

2000

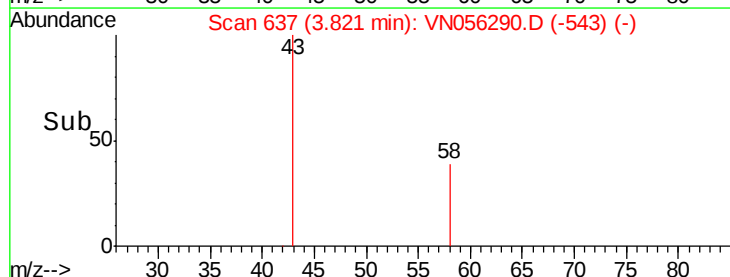
1500

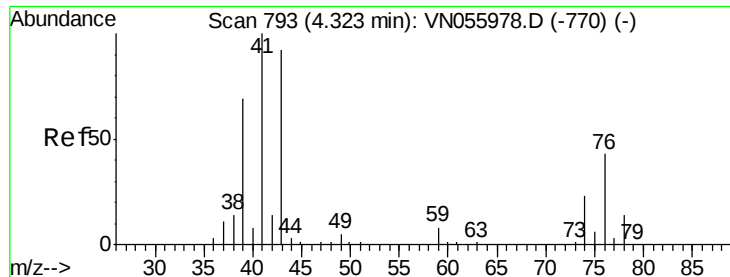
1000

500

0

Time--> 3.75 3.80 3.85 3.90

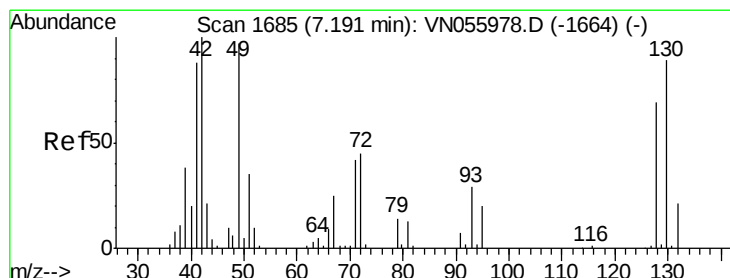
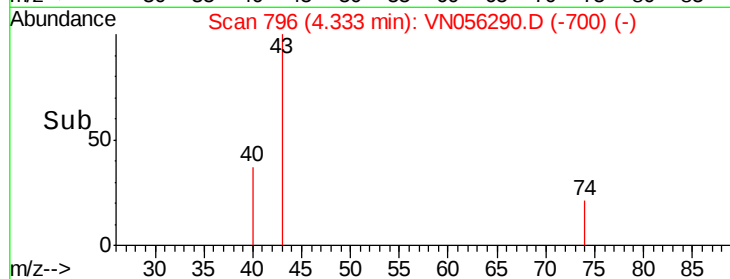
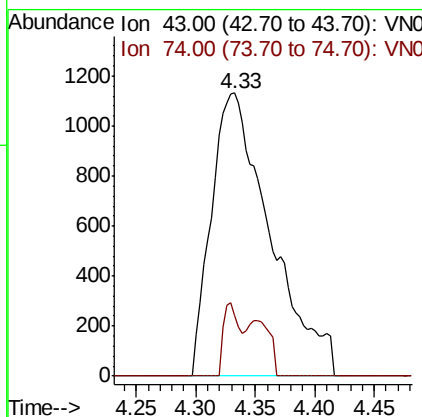
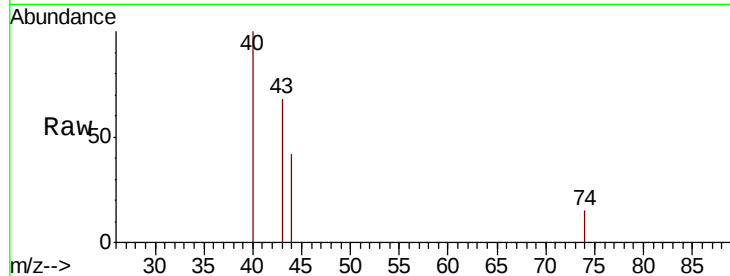




#18
Methyl Acetate
Concen: 0.719 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

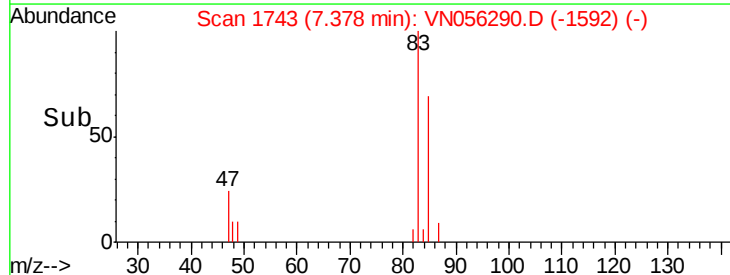
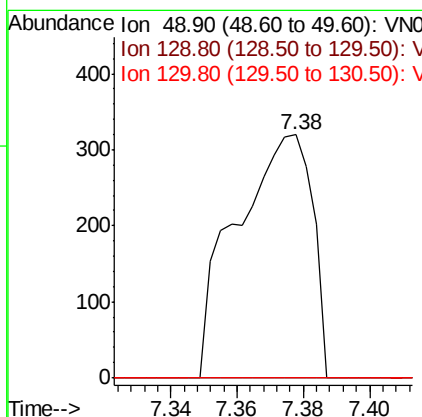
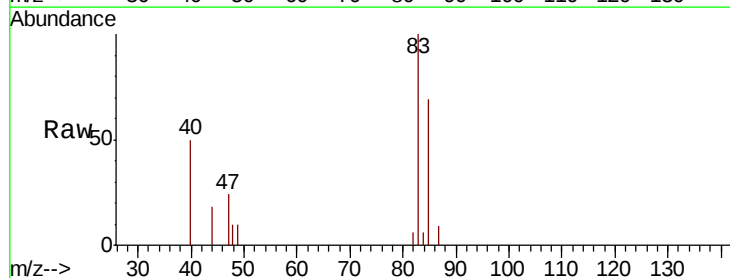
Instrument :
MSVOA_N
ClientSampled :

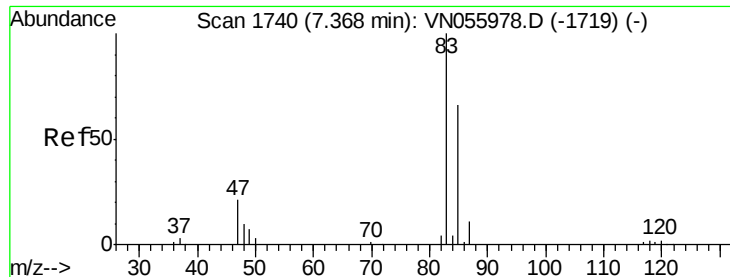
Tot Ion: 43 Resp: 3882
Ion Ratio Lower Upper
43 100
74 6.9 19.3 28.9#



#28
Bromochloromethane
Concen: 0.212 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.19 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

Tgt Ion: 49 Resp: 511
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 71.2 106.8#

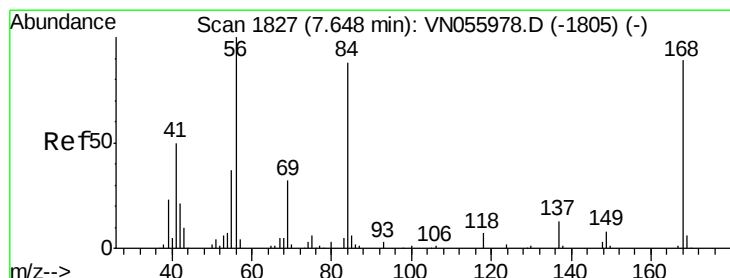
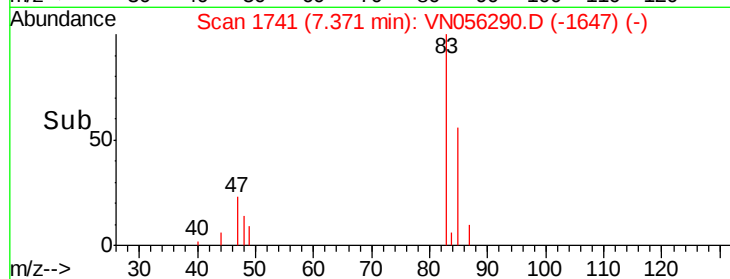
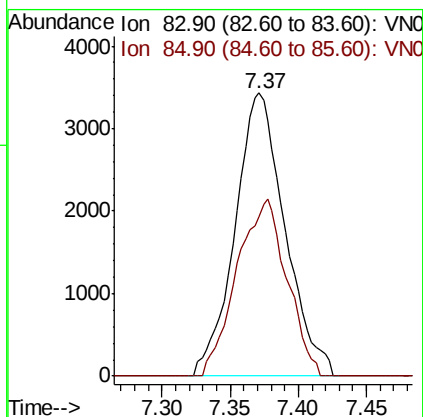
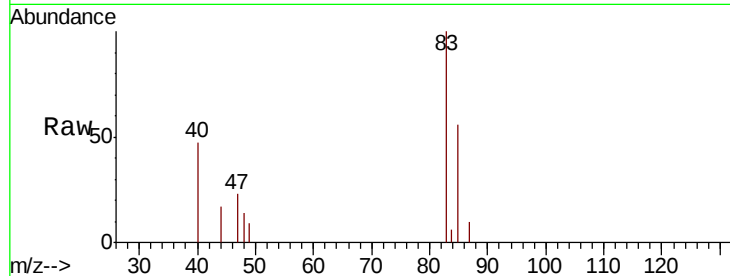




#30
Chloroform
Concen: 1.702 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

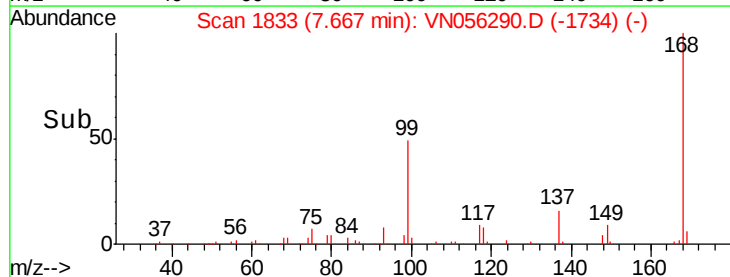
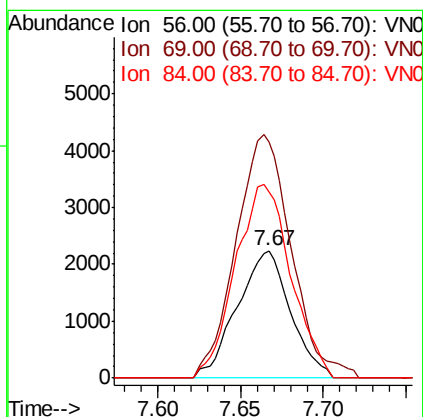
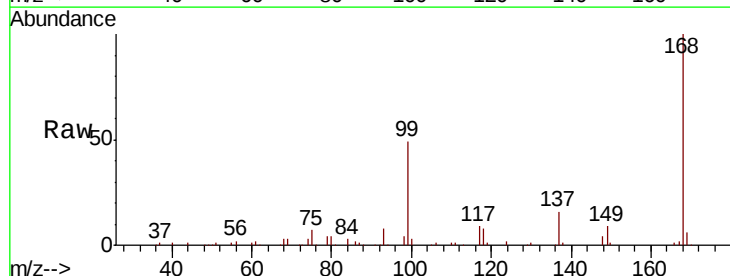
Instrument :
MSVOA_N
ClientSampleId :

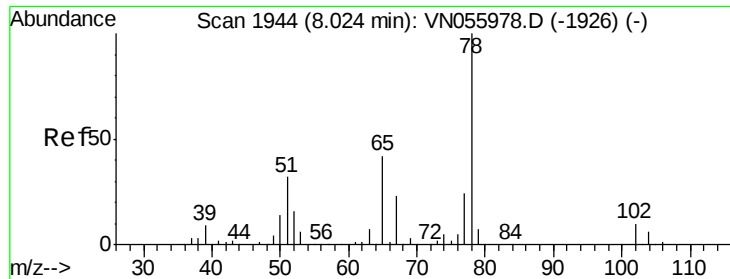
Tot Ion: 83 Resp: 8739
Ion Ratio Lower Upper
83 100
85 56.1 51.8 77.8



#31
Cyclohexane
Concen: 0.983 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

Tgt Ion: 56 Resp: 5002
Ion Ratio Lower Upper
56 100
69 185.5 25.6 38.4#
84 145.9 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 57.041 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

Instrument :

MSVOA_N

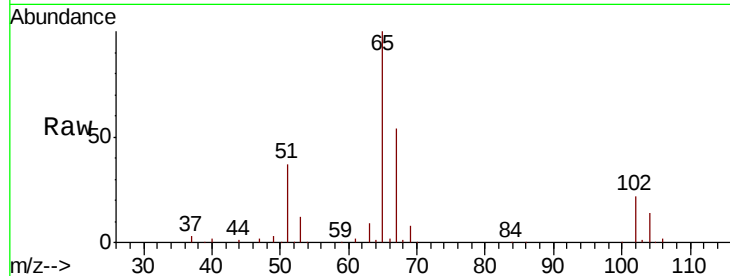
ClientSampled :

Tot Ion: 65 Resp: 182908

Ion Ratio Lower Upper

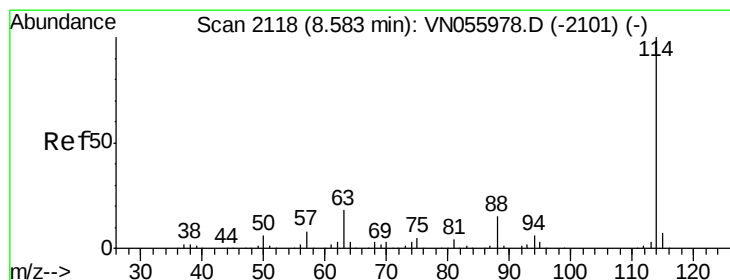
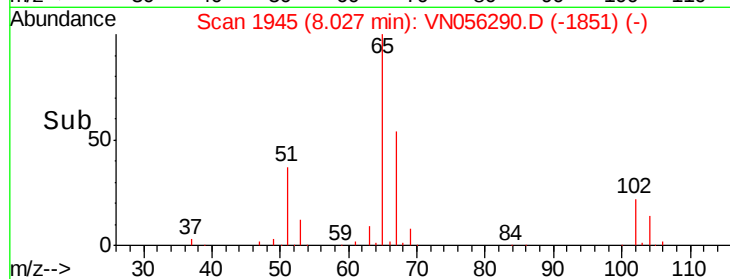
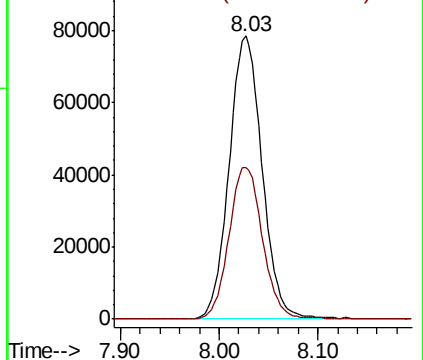
65 100

67 54.6 0.0 109.2



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

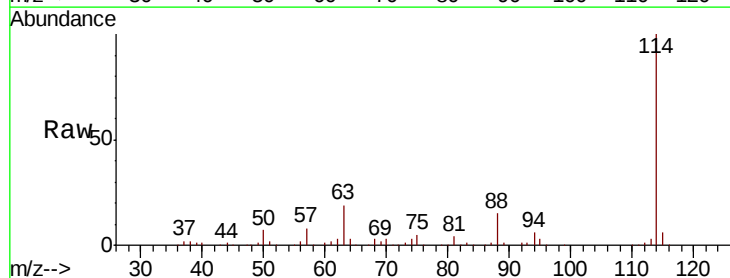
Tgt Ion: 114 Resp: 530981

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

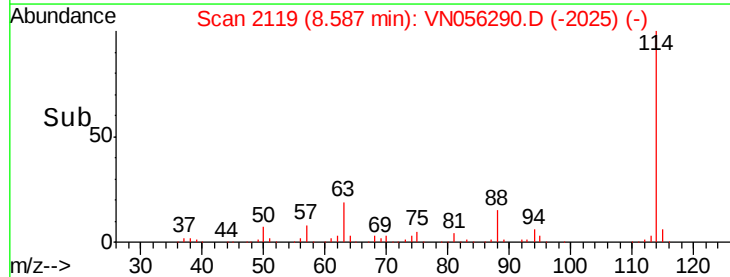
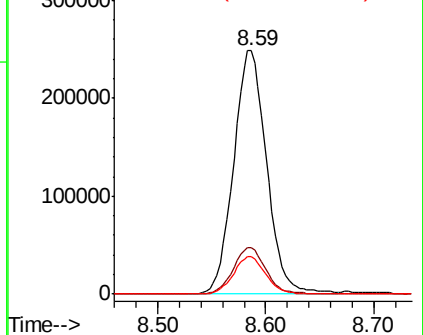
88 15.2 0.0 31.0

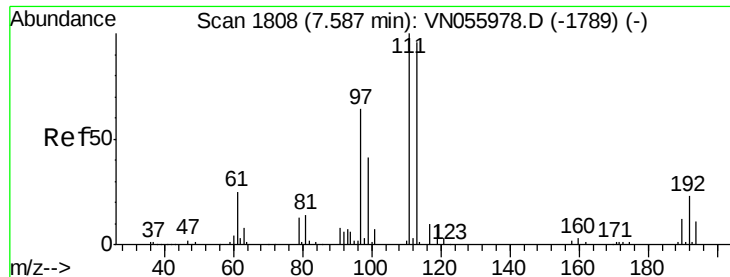


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

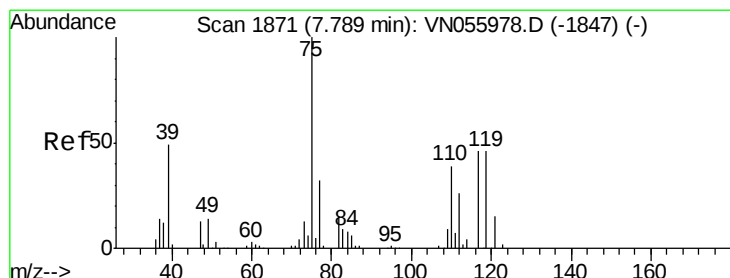
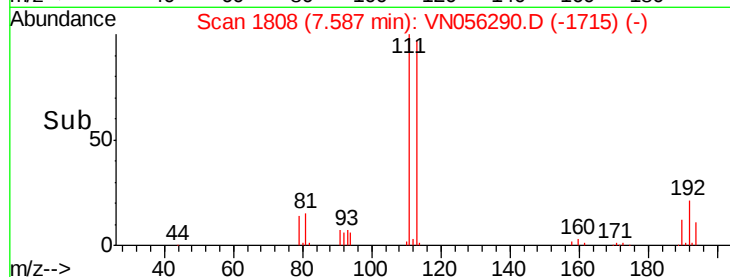
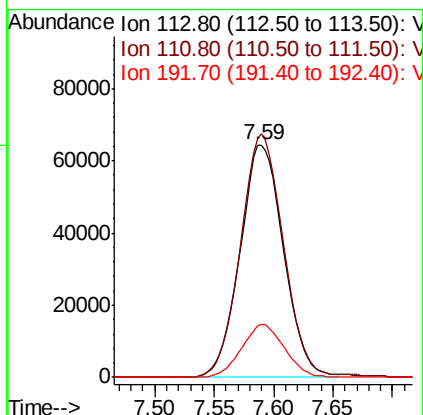
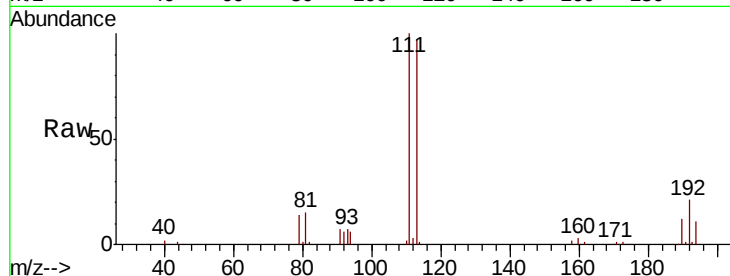




#35
 Dibromofluoromethane
 Concen: 50.131 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056290.D
 Acq: 13 Jun 2019 18:42

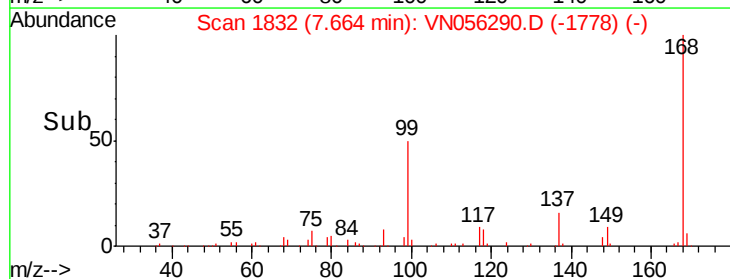
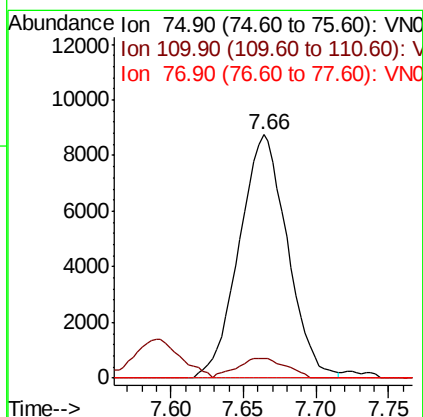
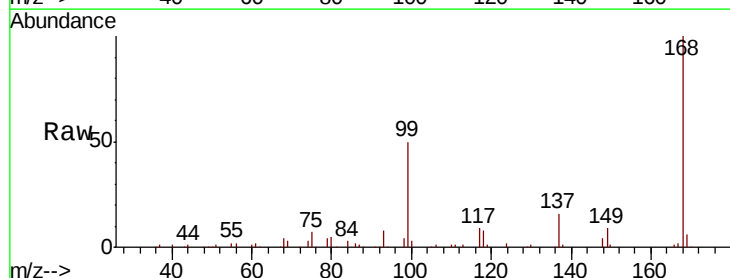
Instrument :
 MSVOA_N
 ClientSampleId :

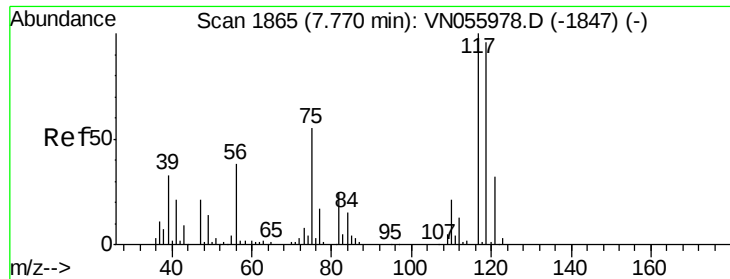
Tot Ion:113 Resp: 163313
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 22.4 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.431 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056290.D
 Acq: 13 Jun 2019 18:42

Tgt Ion: 75 Resp: 20230
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.0 57.0#
 77 0.0 25.1 37.7#

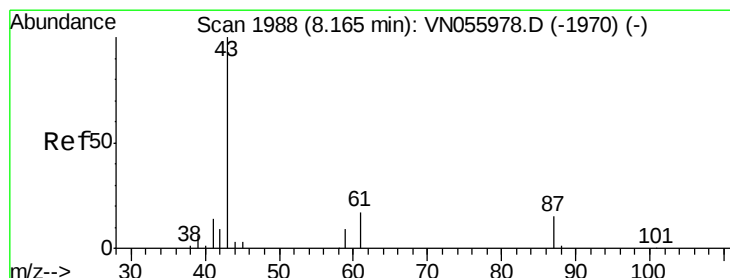
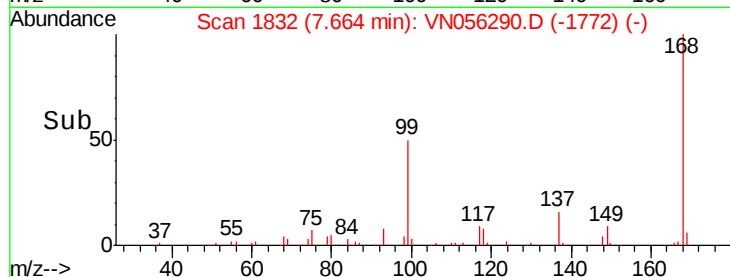
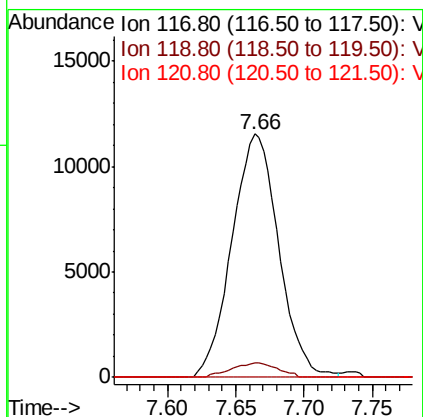
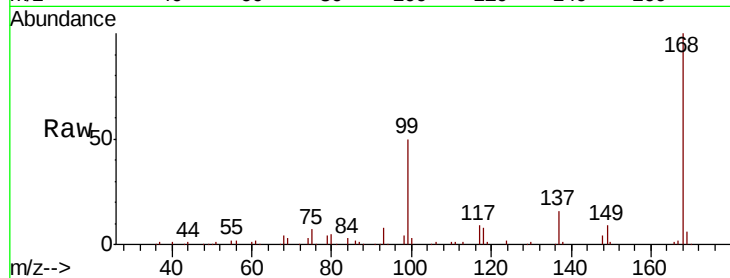




#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

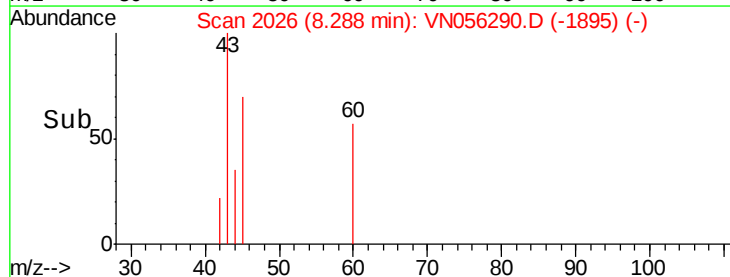
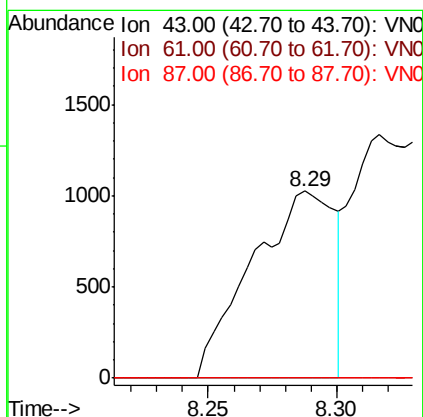
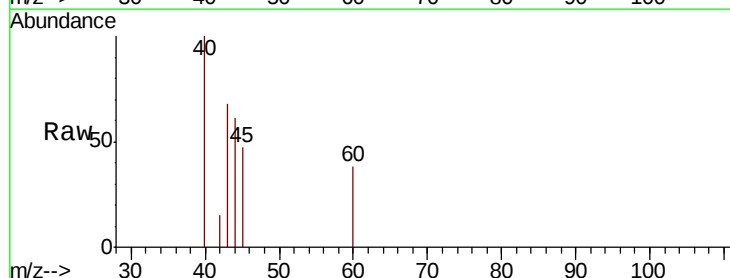
Instrument :
MSVOA_N
ClientSampleId :

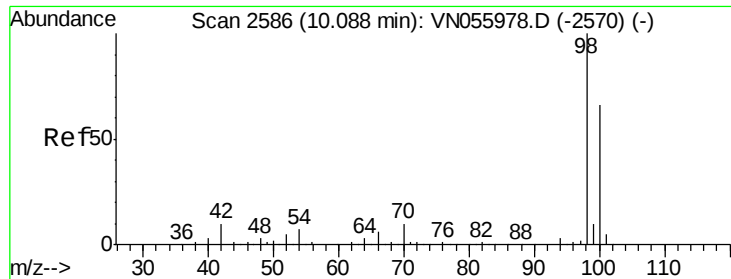
Tot Ion:117 Resp: 27506
Ion Ratio Lower Upper
117 100
119 5.9 79.0 118.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 0.349 ug/l
RT: 8.29 min Scan# 2026
Delta R.T. 0.12 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

Tgt Ion: 43 Resp: 2295
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 52.384 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

Instrument :

MSVOA_N

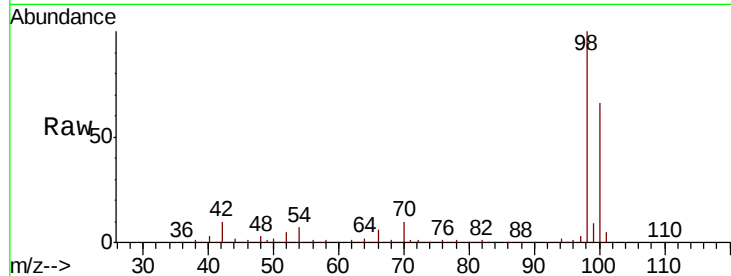
ClientSampleId :

Tot Ion: 98 Resp: 656678

Ion Ratio Lower Upper

98 100

100 64.8 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

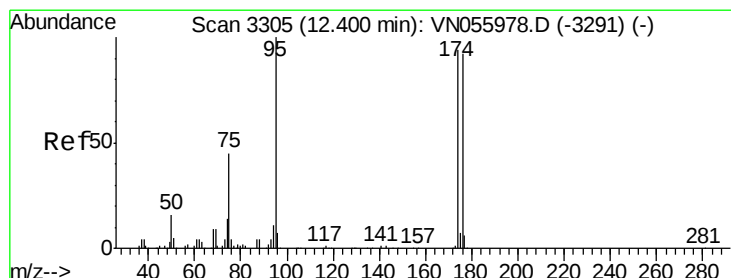
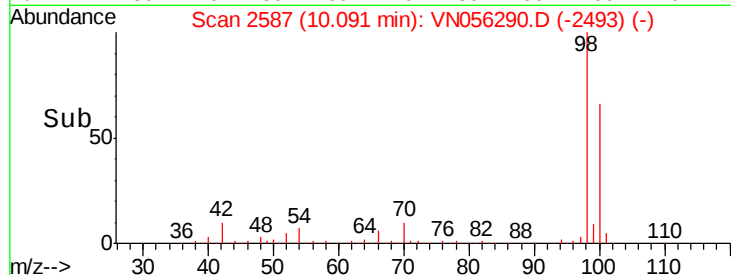
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.473 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

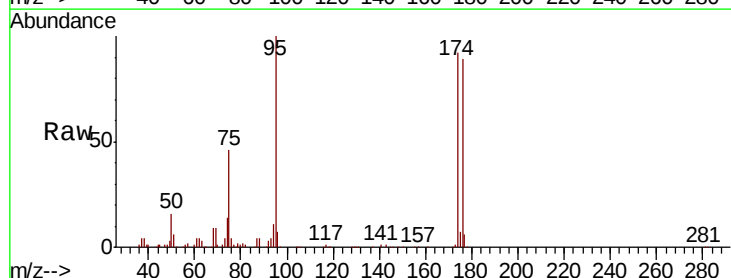
Tgt Ion: 95 Resp: 219436

Ion Ratio Lower Upper

95 100

174 92.5 0.0 191.0

176 89.3 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) (-)

12.40

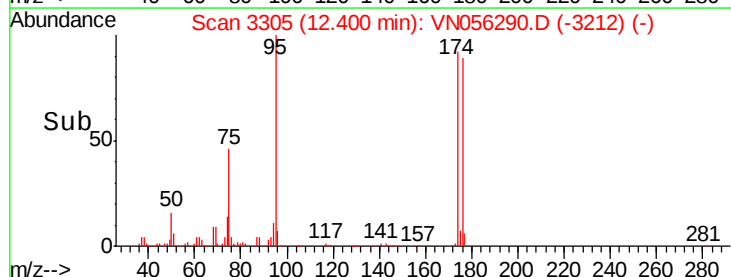
150000

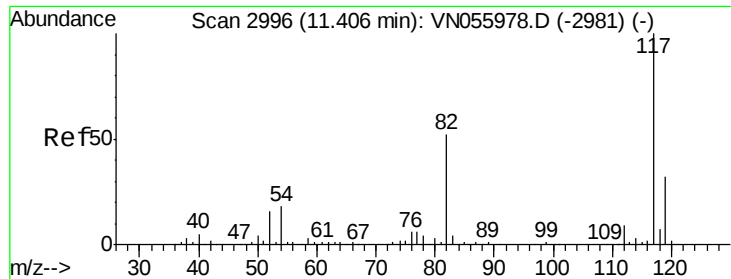
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

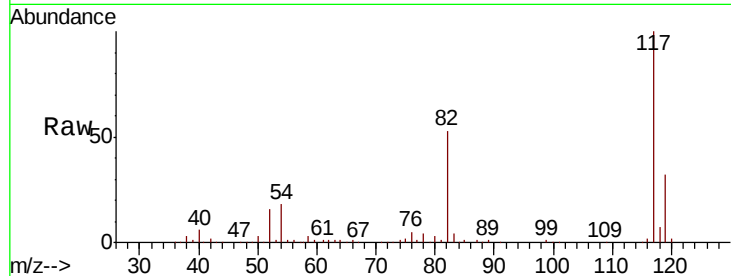
Tot Ion:117 Resp: 531859

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

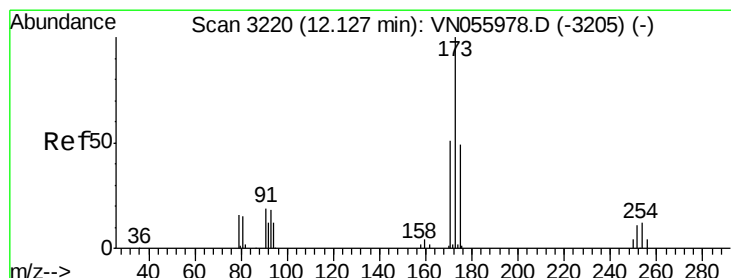
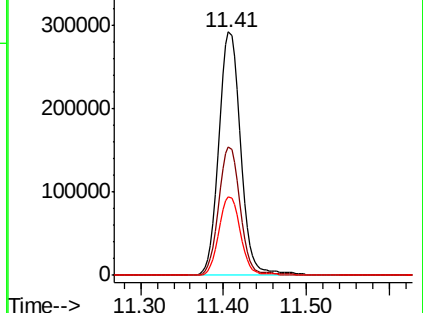
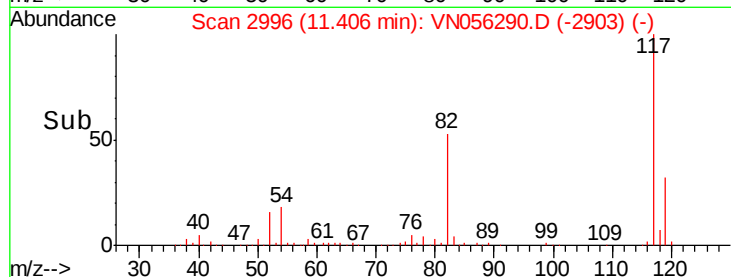
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.294 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

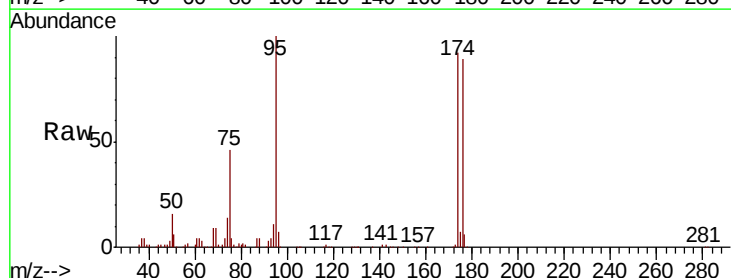
Tgt Ion:173 Resp: 1793

Ion Ratio Lower Upper

173 100

175 727.0 24.3 72.8#

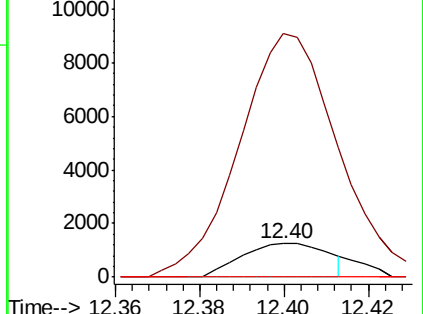
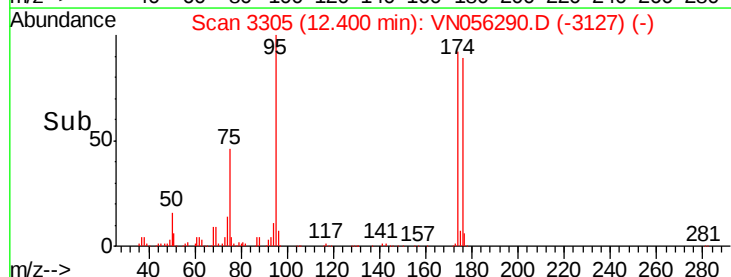
254 0.0 0.0 0.0

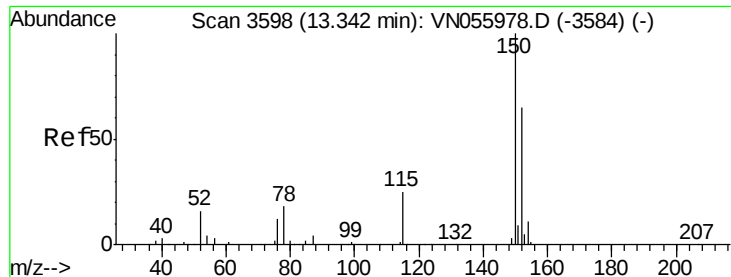


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



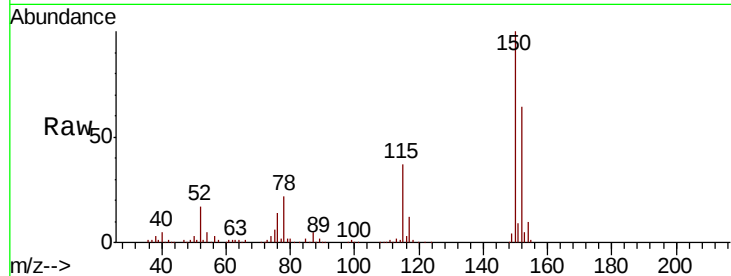


#72

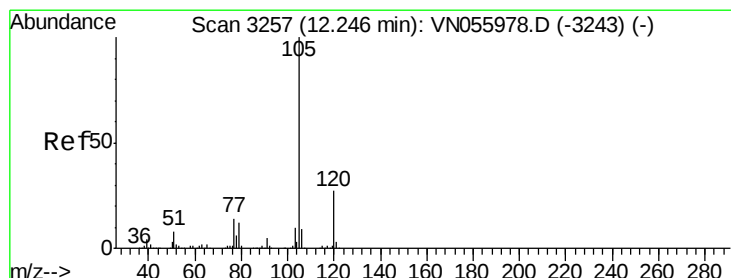
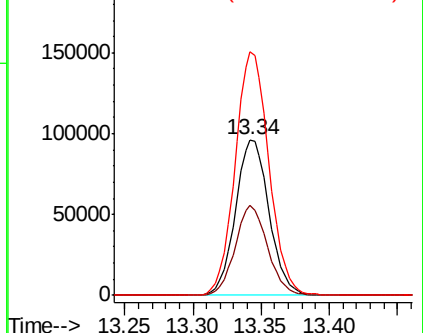
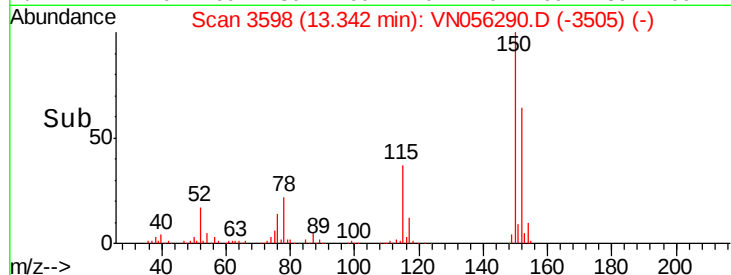
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.0	81.0
150	157.2	0.0	343.2



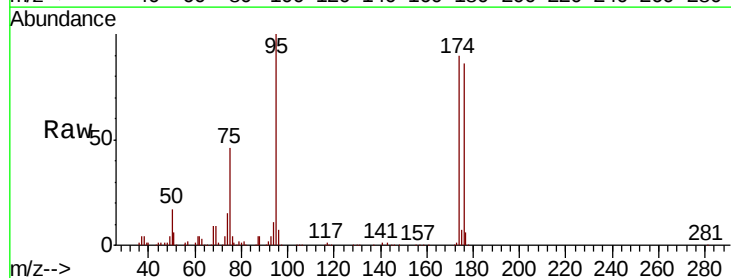
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



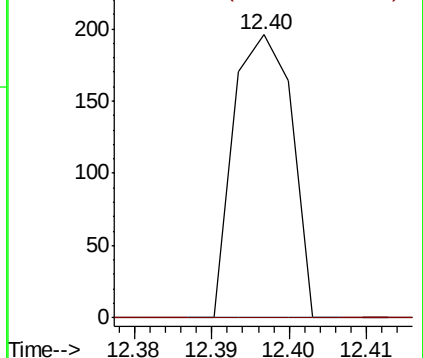
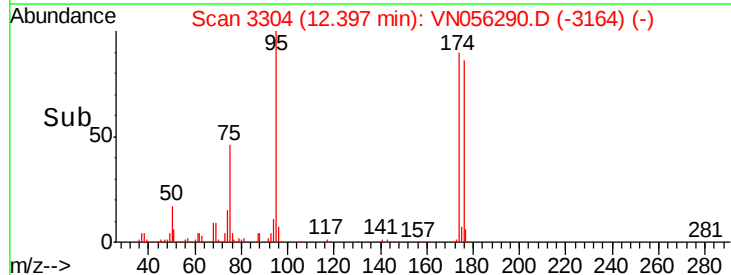
#73

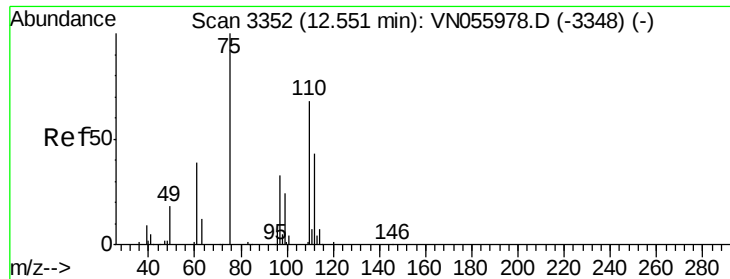
Isopropylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 3304
Delta R.T. 0.15 min
Lab File: VN056290.D
Acq: 13 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.6	40.7#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.380 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

Instrument :

MSVOA_N

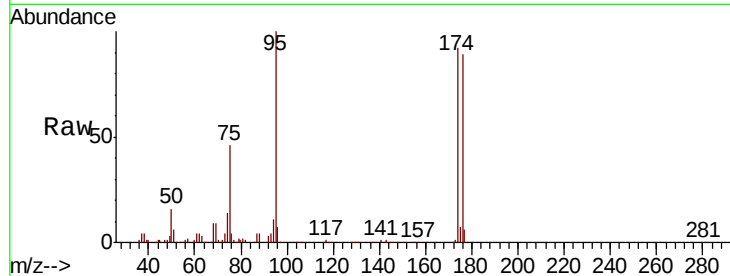
ClientSampleId :

Tot Ion: 75 Resp: 100782

Ion Ratio Lower Upper

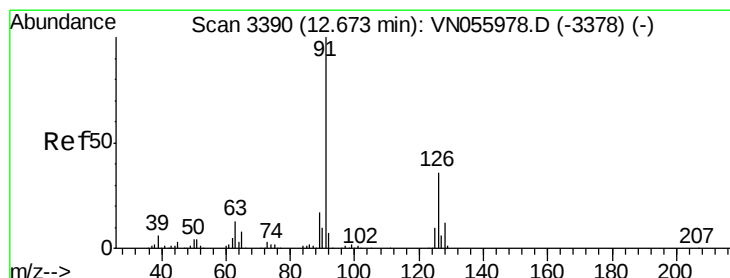
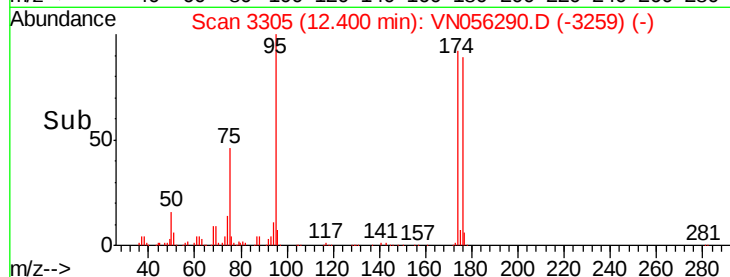
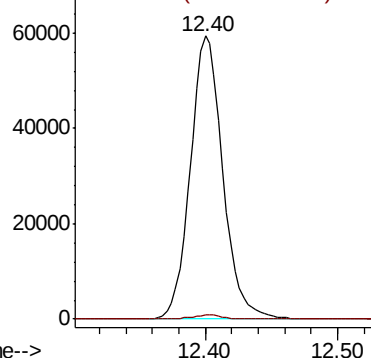
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056290.D

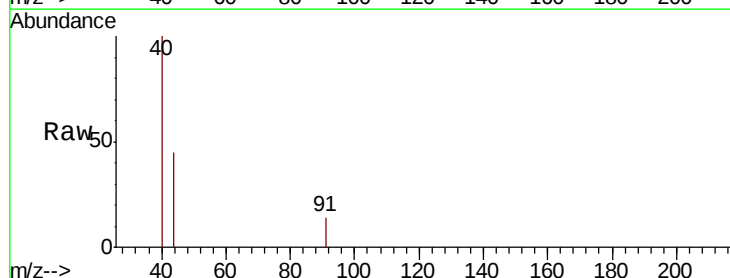
Acq: 13 Jun 2019 18:42

Tgt Ion: 91 Resp: 183

Ion Ratio Lower Upper

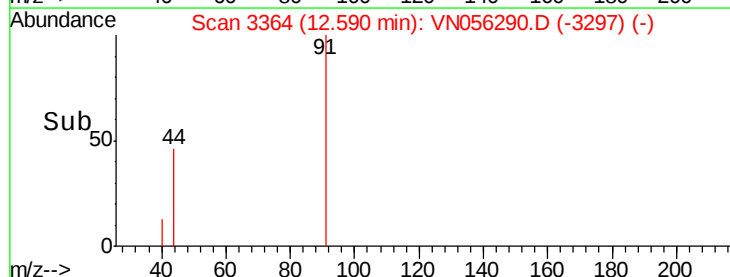
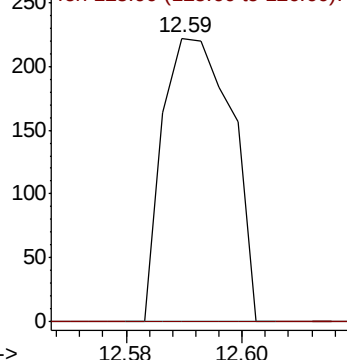
91 100

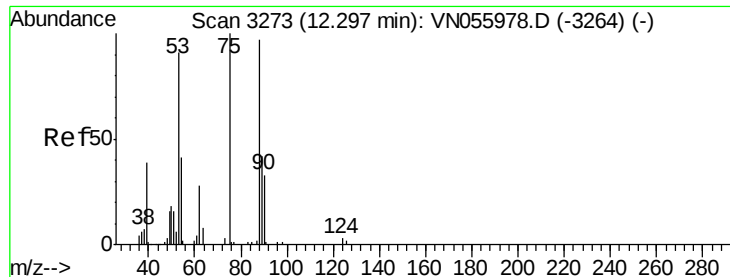
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.162 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

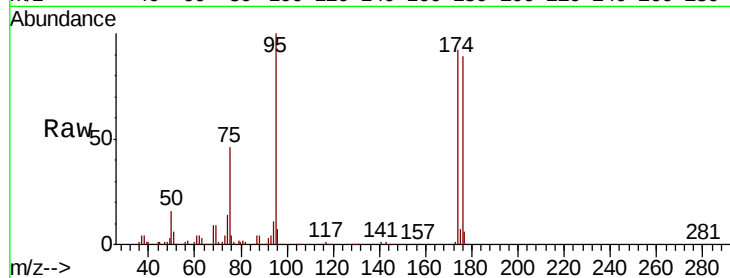
Tot Ion: 75 Resp: 100782

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

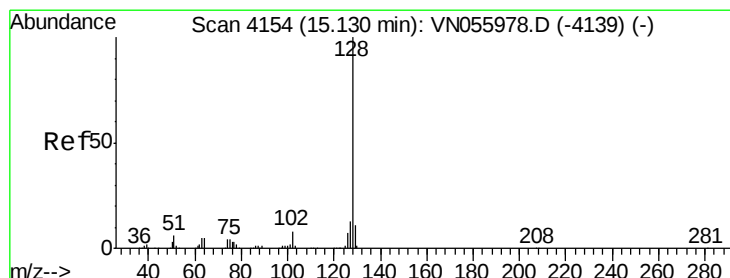
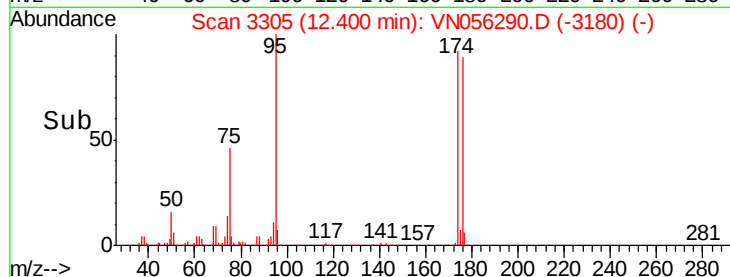
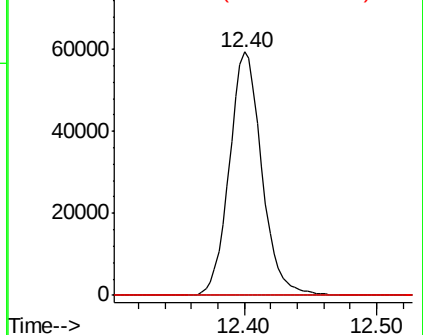
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#95

Naphthalene

Concen: 3.884 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN056290.D

Acq: 13 Jun 2019 18:42

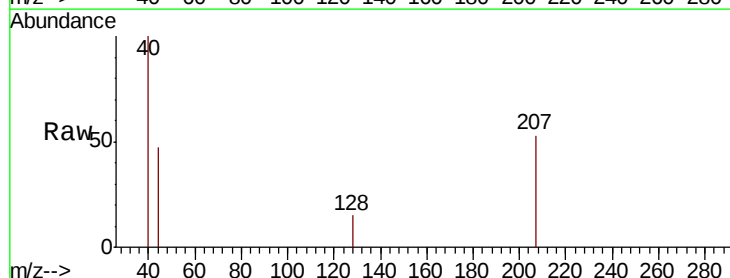
Tgt Ion: 128 Resp: 278

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN055978.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055978.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055978.D (-4139) (-)

