

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056102.D
 Acq On : 7 Jun 2019 16:49
 Operator : JC/SP
 Sample : VN0608WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:12:12 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

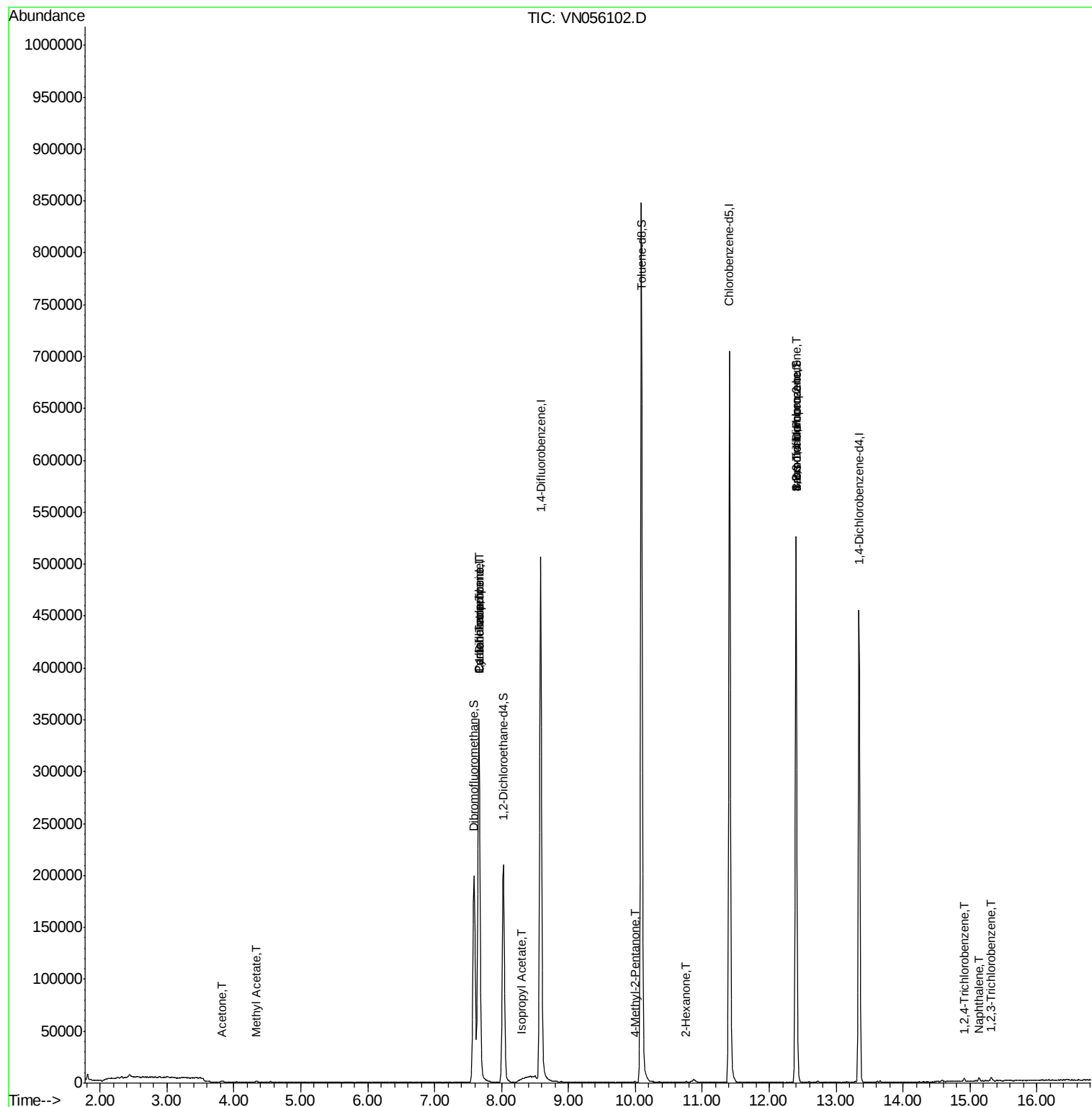
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	337085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	502121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	175029	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
35) Dibromofluoromethane	7.59	113	154690	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
50) Toluene-d8	10.09	98	635624	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.40	95	188732	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.64%	
Target Compounds				Qvalue		
16) Acetone	3.82	43	2379	1.486	ug/l #	82
18) Methyl Acetate	4.33	43	2616	0.257	ug/l #	66
31) Cyclohexane	7.66	56	4633	0.872	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19477	4.511	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26566	6.674	ug/l #	15
43) Isopropyl Acetate	8.29	43	3711	0.596	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	974	0.250	ug/l #	35
59) 2-Hexanone	10.76	43	1307	0.463	ug/l #	60
71) Bromoform	12.40	173	1264	3.194	ug/l #	1
73) Isopropylbenzene	12.25	105	455	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	87259	33.984	ug/l #	100
79) 2-Chlorotoluene	12.67	91	389	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	87259	113.173	ug/l #	15
83) tert-Butylbenzene	12.99	119	405	Below Cal	#	36
93) 1,2,4-Trichlorobenzene	14.91	180	1238	4.710	ug/l	93
94) Hexachlorobutadiene	15.01	225	109	Below Cal	#	19
95) Naphthalene	15.13	128	3777	4.374	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.31	180	1589	3.601	ug/l	89

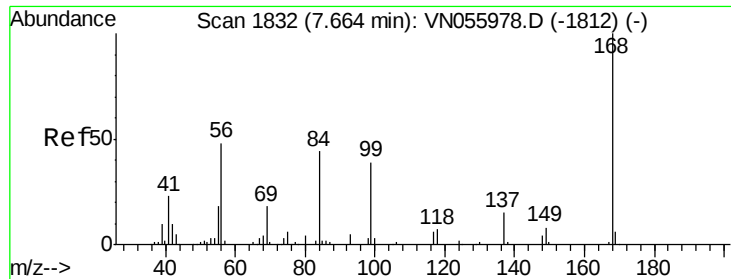
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 08 05:12:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

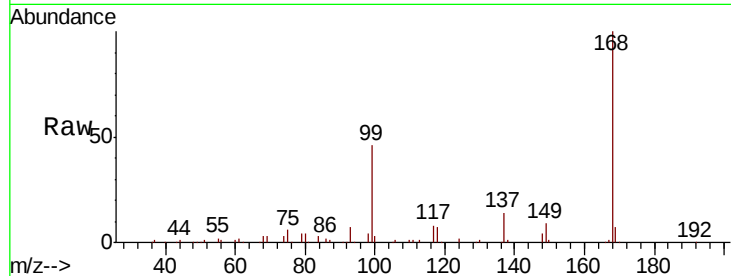
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 337085

Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN056102.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056102.D (-1739) (-)

7.66

150000

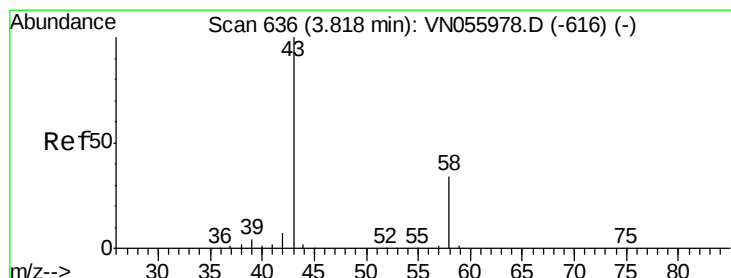
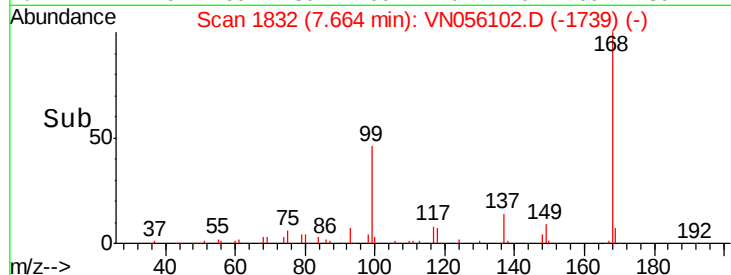
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.486 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056102.D

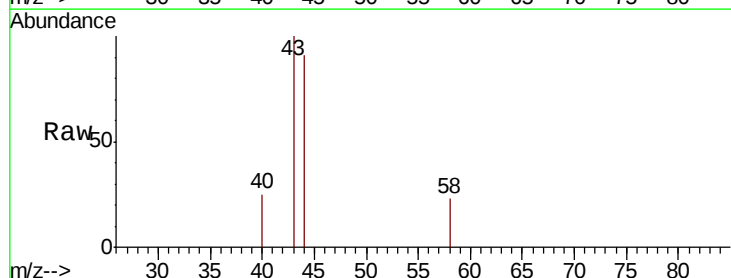
Acq: 7 Jun 2019 16:49

Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

58 22.7 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN056102.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN056102.D (-543) (-)

3.82

1000

800

600

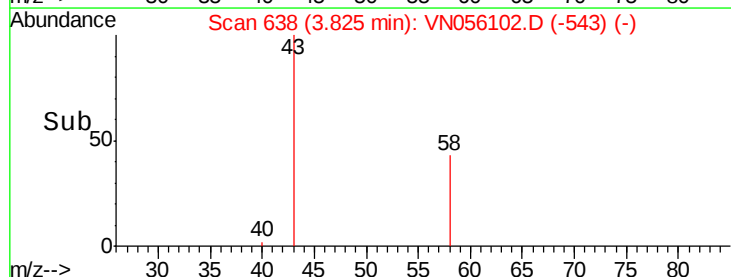
400

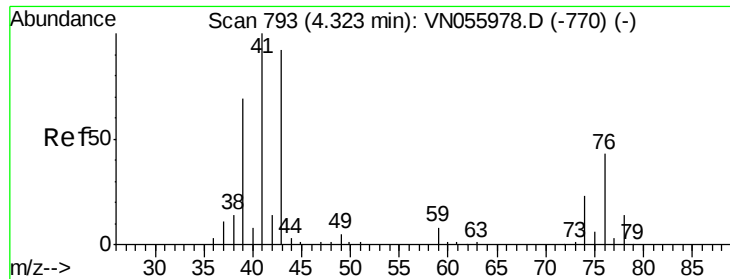
200

0

3.75 3.80 3.85 3.90

Time-->

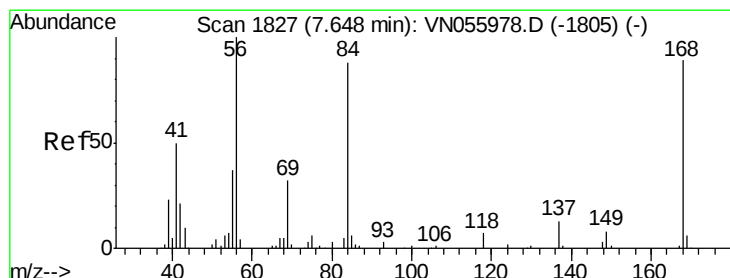
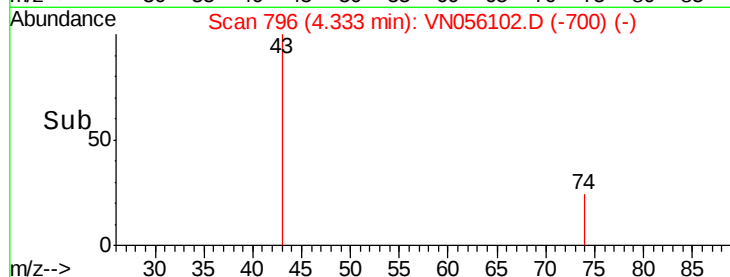
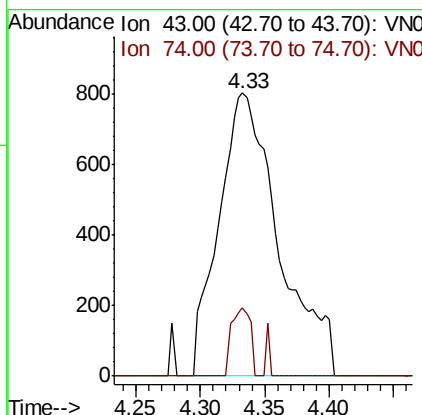
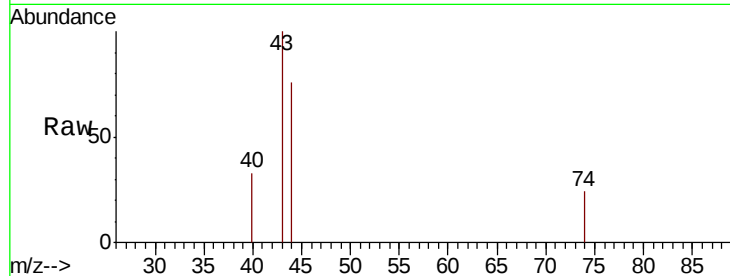




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

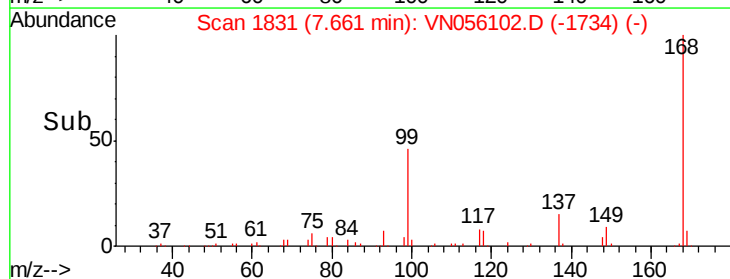
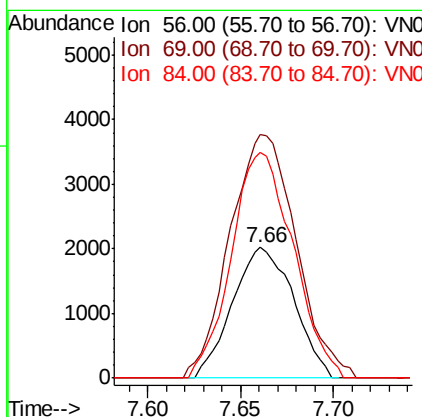
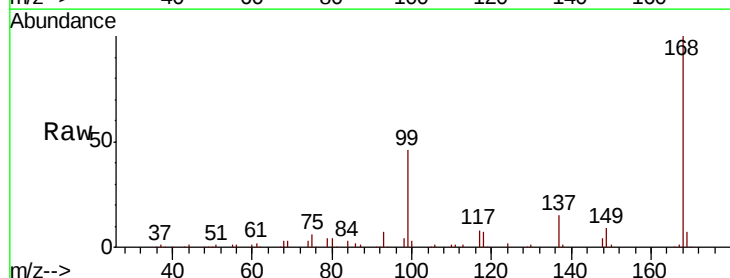
Instrument :
MSVOA_N
ClientSampleId :

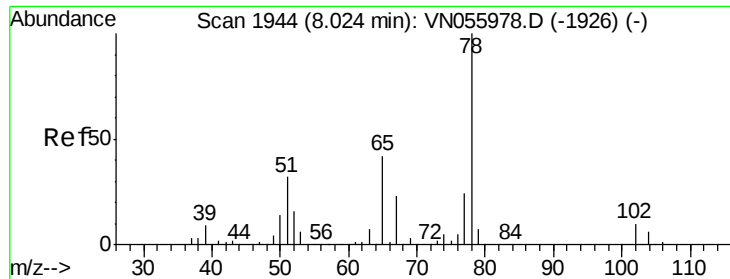
Tot Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
74 7.5 19.3 28.9#



#31
Cyclohexane
Concen: 0.872 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

Tgt Ion: 56 Resp: 4633
Ion Ratio Lower Upper
56 100
69 178.3 25.6 38.4#
84 172.3 67.4 101.0#

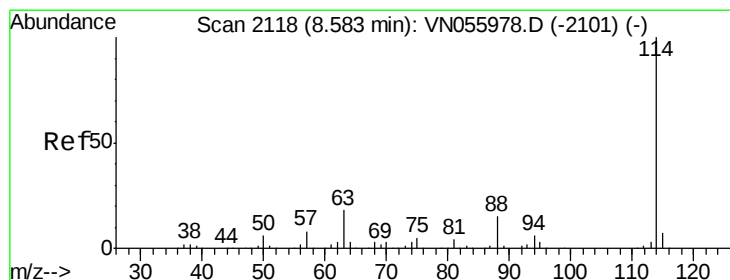
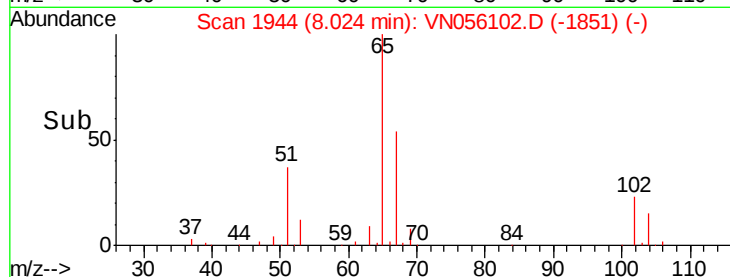
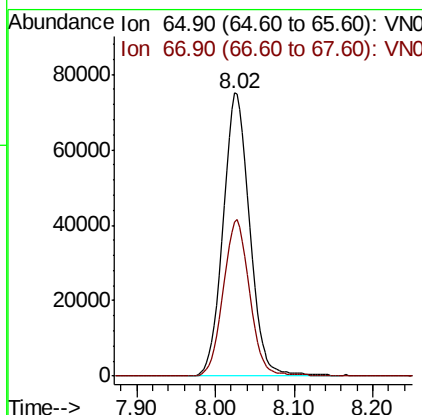
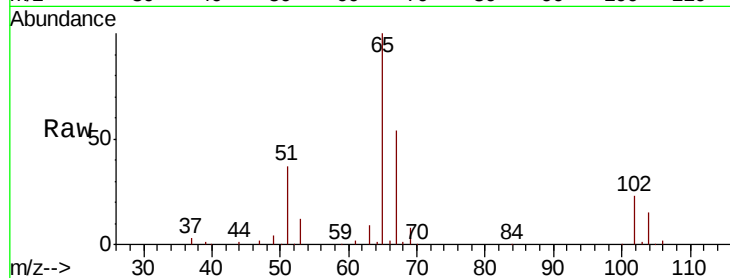




#33
 1,2-Dichloroethane-d4
 Concen: 52.295 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

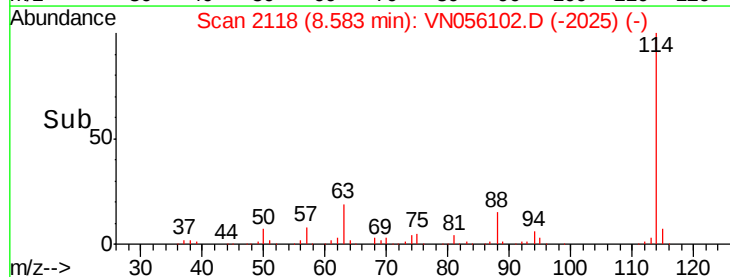
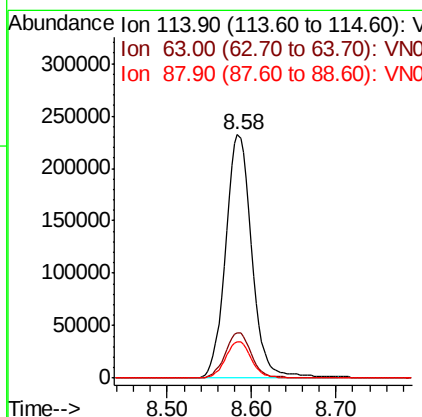
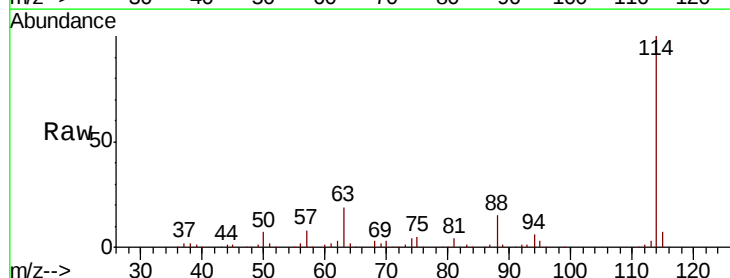
Instrument :
 MSVOA_N
 ClientSampleId :

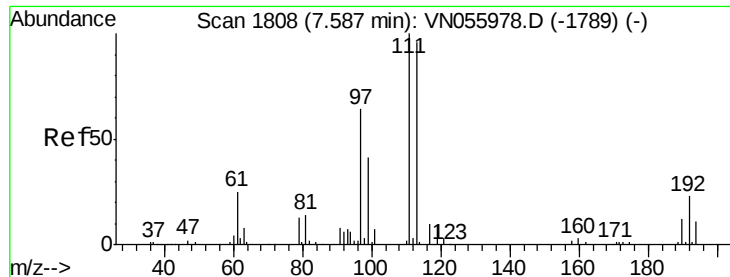
Tot Ion: 65 Resp: 175029
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

Tgt Ion: 114 Resp: 502121
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.1 0.0 31.0

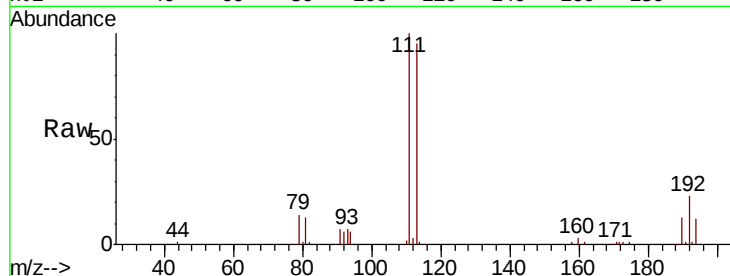




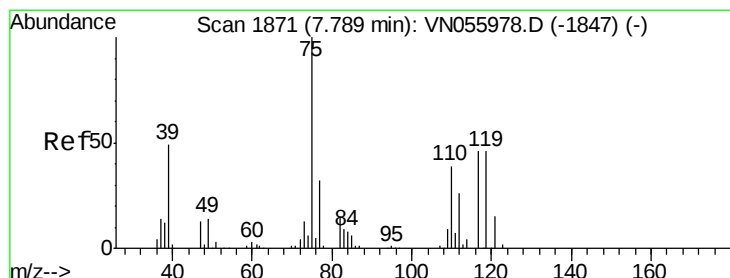
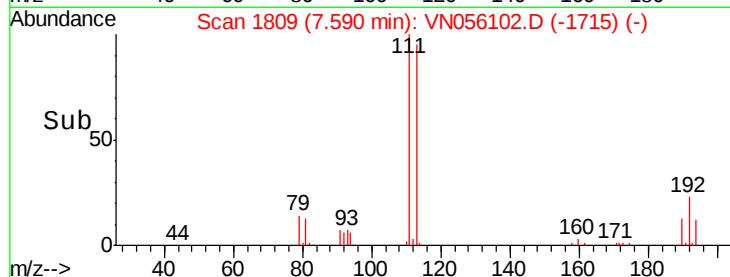
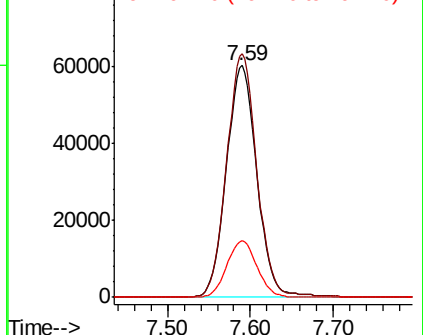
#35
 Dibromofluoromethane
 Concen: 50.213 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	24.0	19.5	29.3

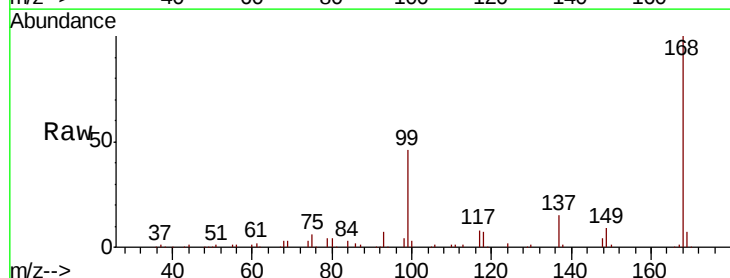


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

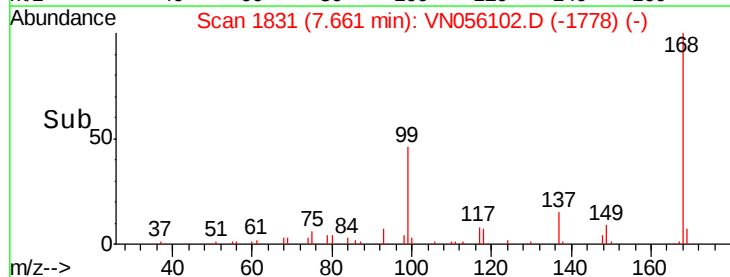
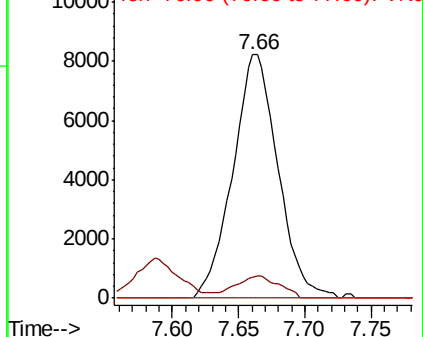


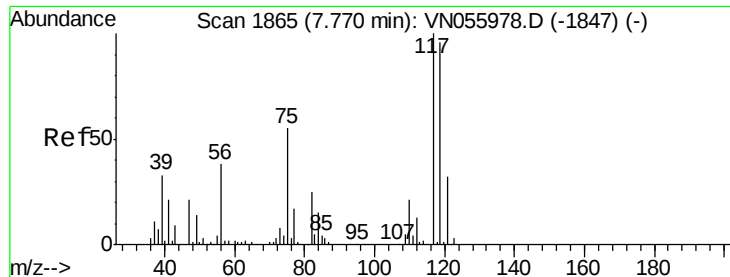
#36
 1,1-Dichloropropene
 Concen: 4.511 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.0	57.0#
77	0.0	25.1	37.7#



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

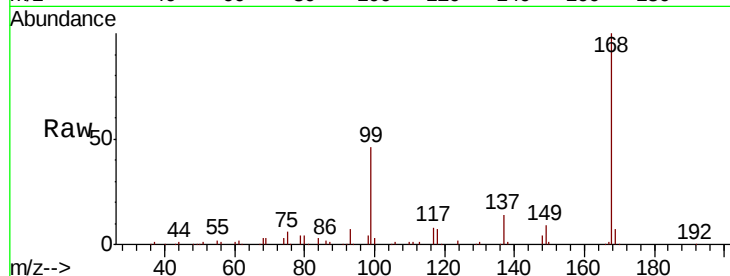




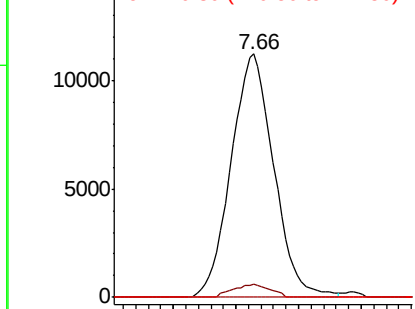
#38
Carbon Tetrachloride
Concen: 6.674 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

Instrument :
MSVOA_N
ClientSampled :

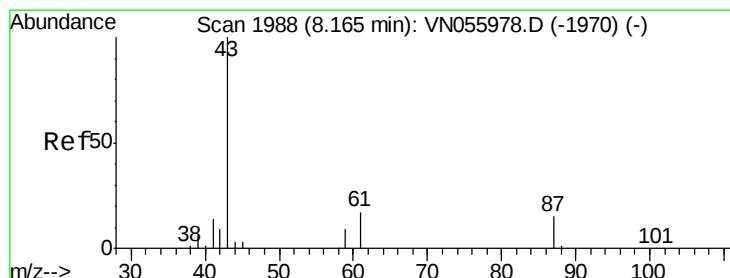
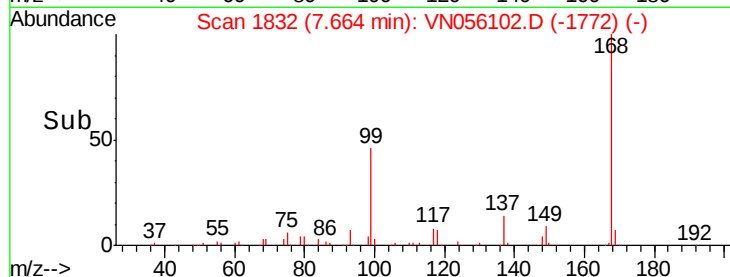
Tot Ion:117 Resp: 26566
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 24.7 37.1#



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

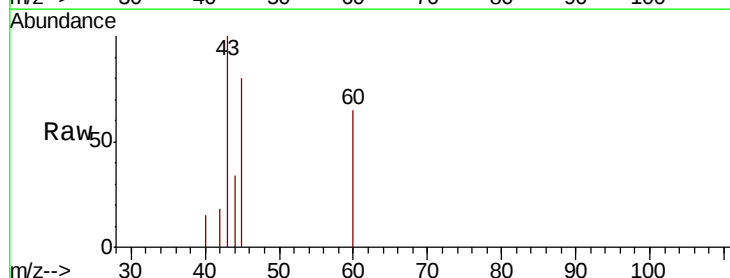


Time-->

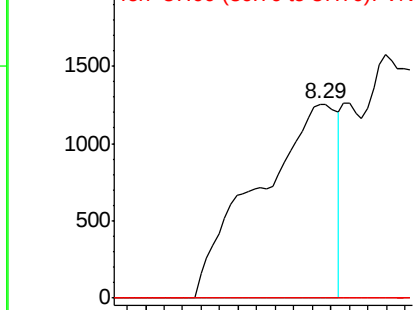


#43
Isopropyl Acetate
Concen: 0.596 ug/l
RT: 8.29 min Scan# 2028
Delta R.T. 0.13 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

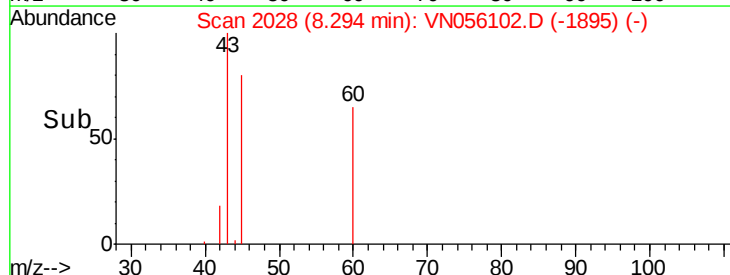
Tgt Ion: 43 Resp: 3711
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#

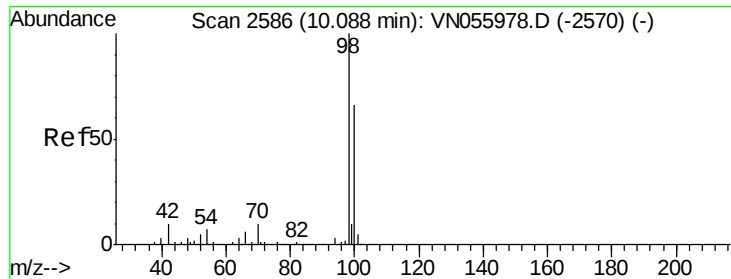


Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V



Time-->

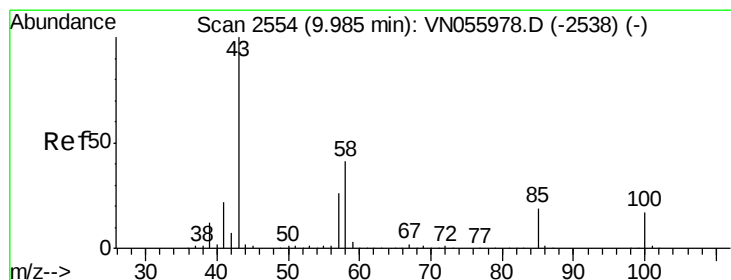
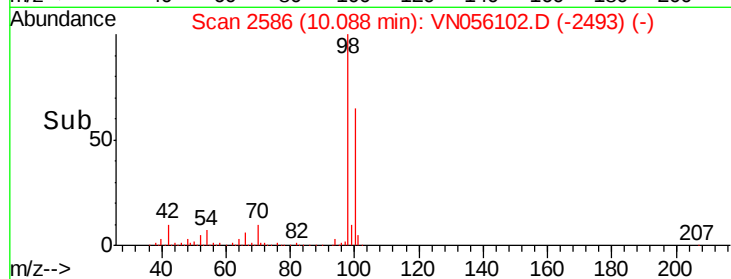
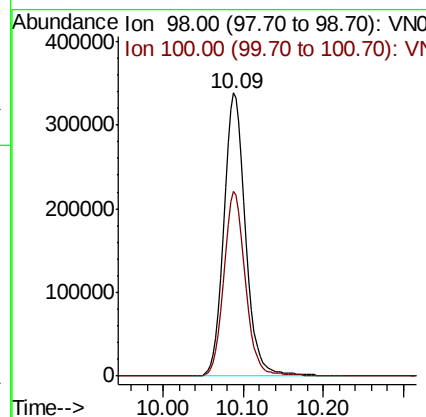
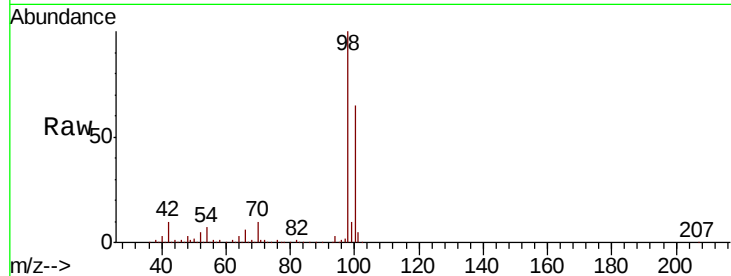




#50
Toluene-d8
Concen: 53.619 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

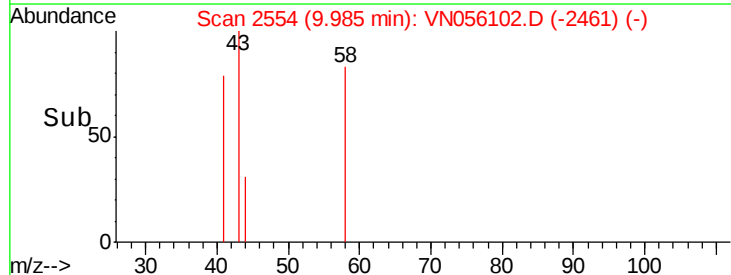
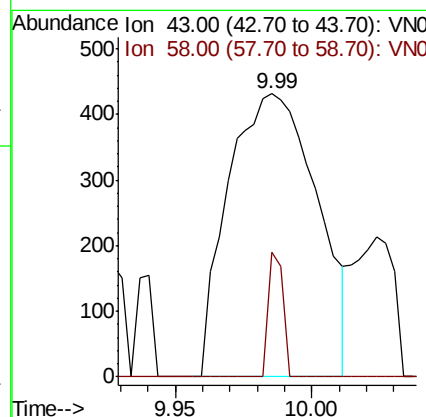
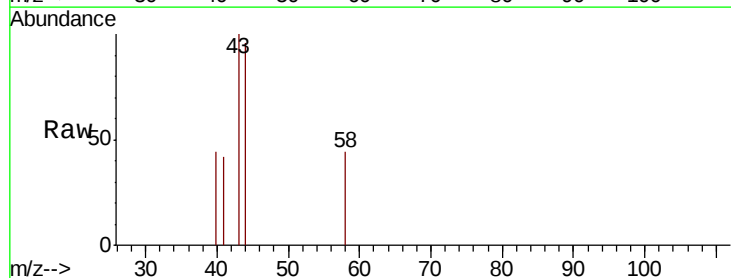
Instrument :
MSVOA_N
ClientSampled :

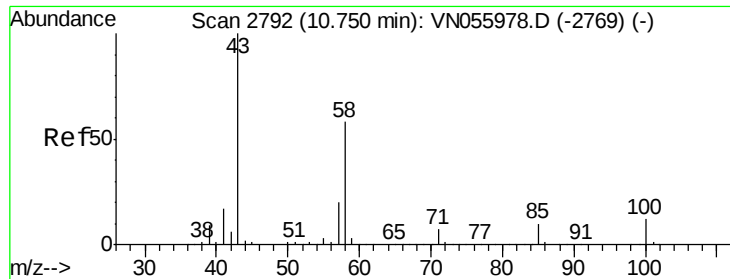
Tot Ion: 98 Resp: 635624
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.250 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 0.0 32.1 48.1#





#59

2-Hexanone

Concen: 0.463 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

Instrument :

MSVOA_N

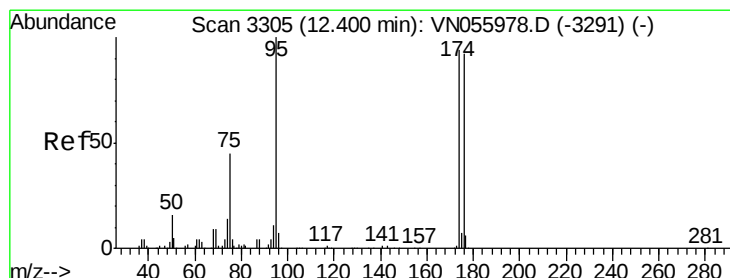
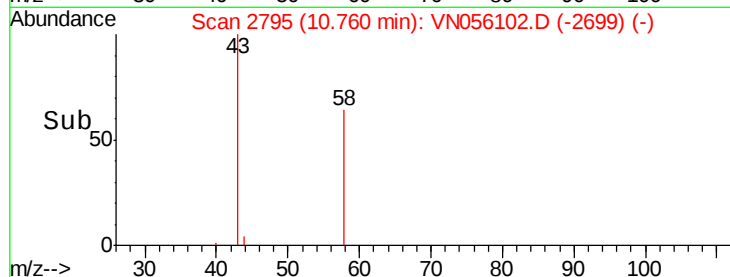
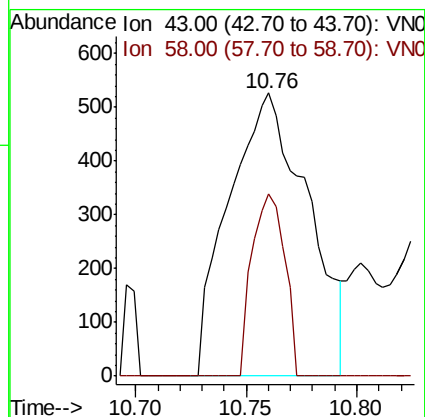
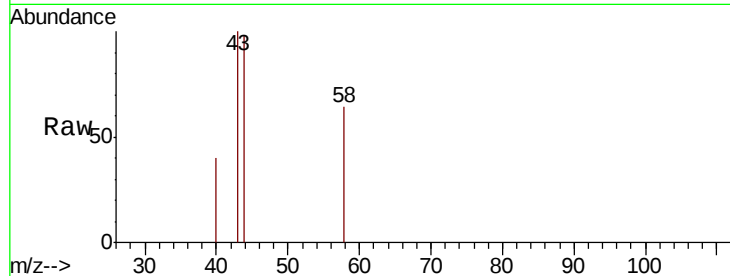
ClientSampleId :

Tot Ion: 43 Resp: 1307

Ion Ratio Lower Upper

43 100

58 26.9 28.2 84.7#



#62

4-Bromofluorobenzene

Concen: 46.815 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

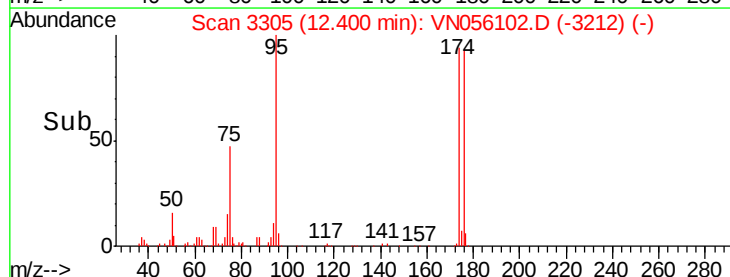
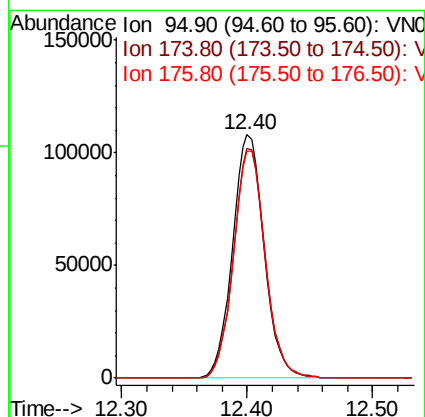
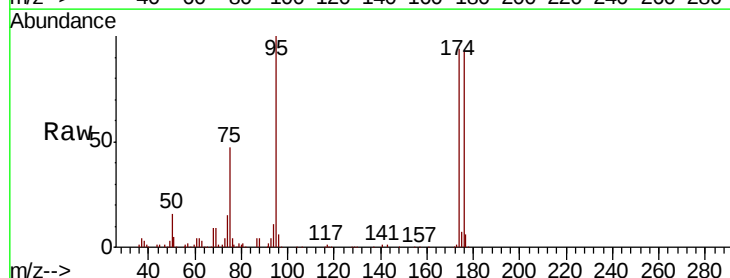
Tgt Ion: 95 Resp: 188732

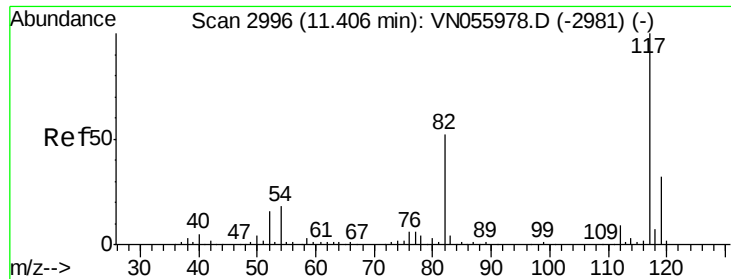
Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

176 93.5 0.0 185.2

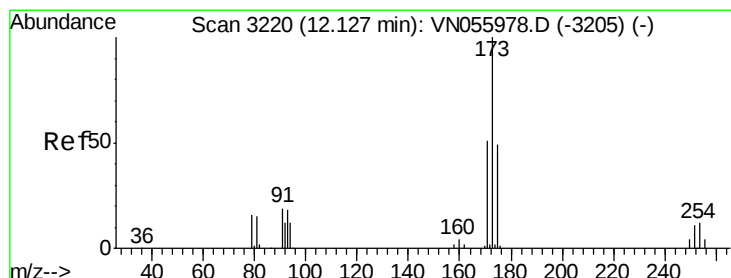
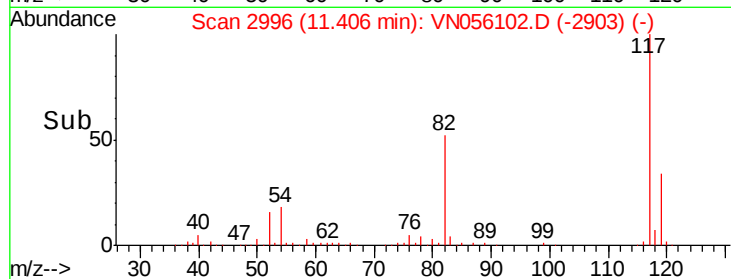
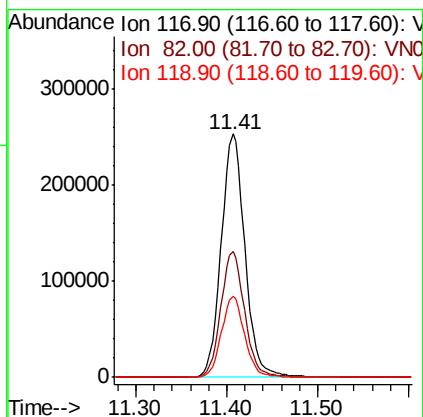
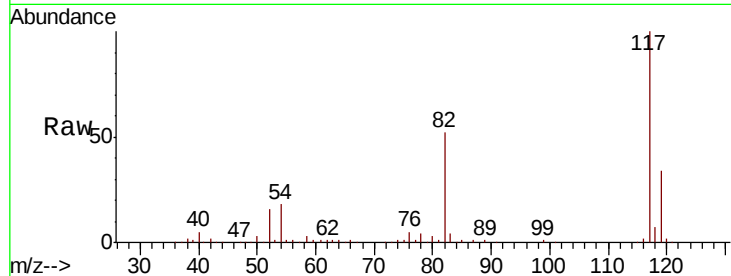




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

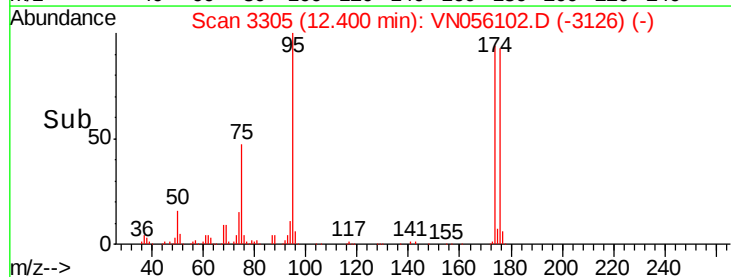
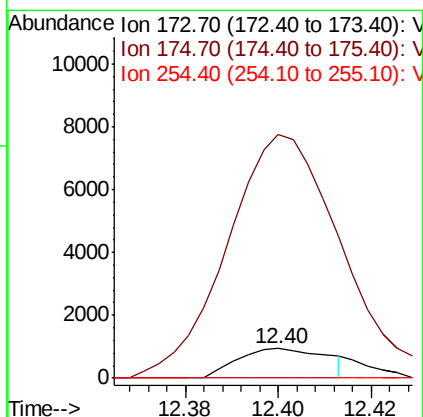
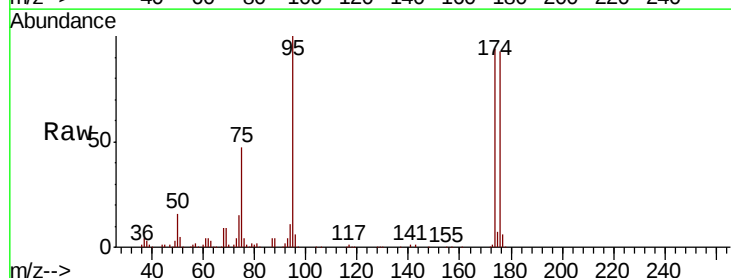
Instrument :
MSVOA_N
ClientSampleId :

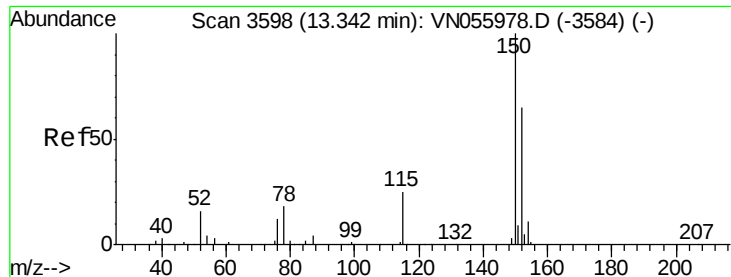
Tot Ion:117 Resp: 458049
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 33.5 25.4 38.0



#71
Bromoform
Concen: 3.194 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

Tgt Ion:173 Resp: 1264
Ion Ratio Lower Upper
173 100
175 905.6 24.3 72.8#
254 0.0 0.0 0.0



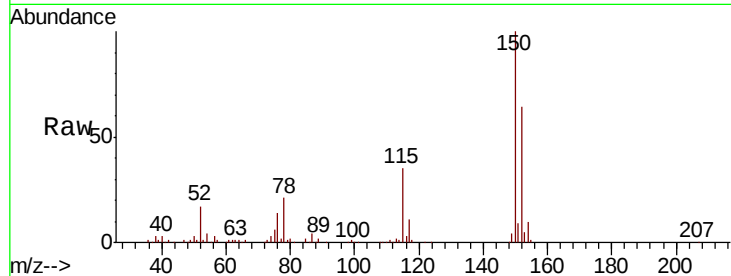


#72

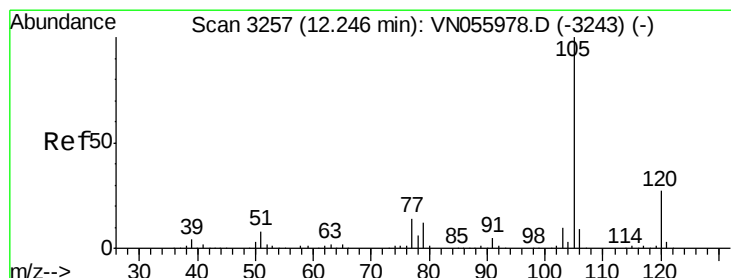
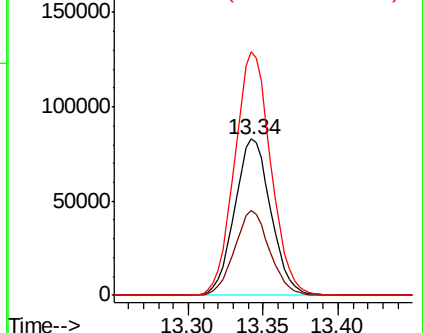
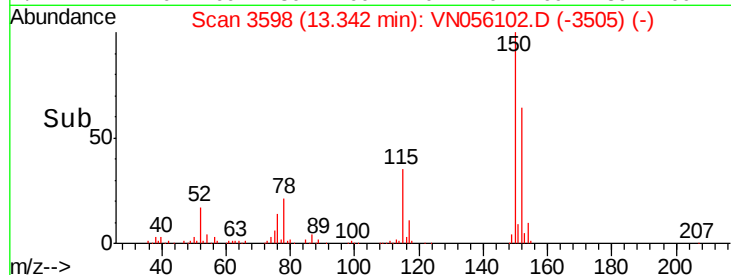
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 139543
Ion Ratio Lower Upper
152 100
115 52.8 27.0 81.0
150 156.4 0.0 343.2



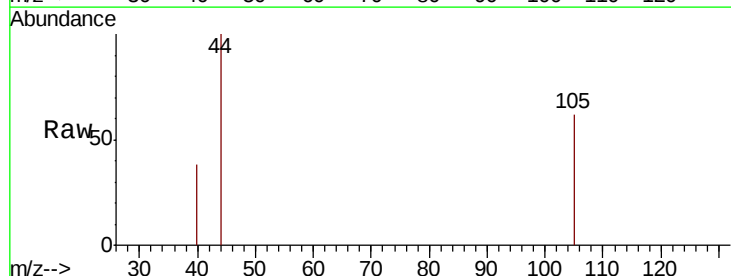
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



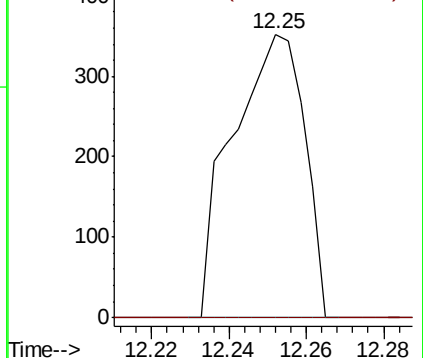
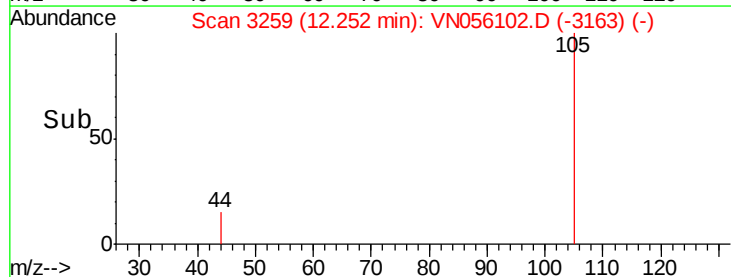
#73

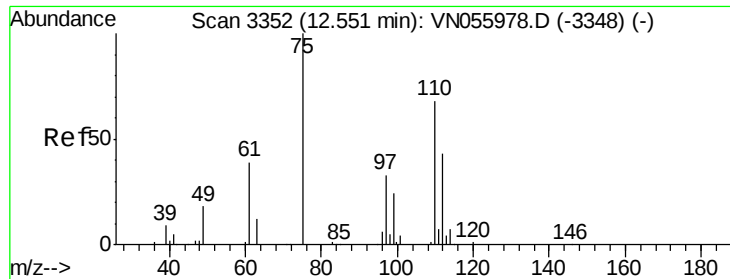
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.01 min
Lab File: VN056102.D
Acq: 7 Jun 2019 16:49

Tgt Ion:105 Resp: 455
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

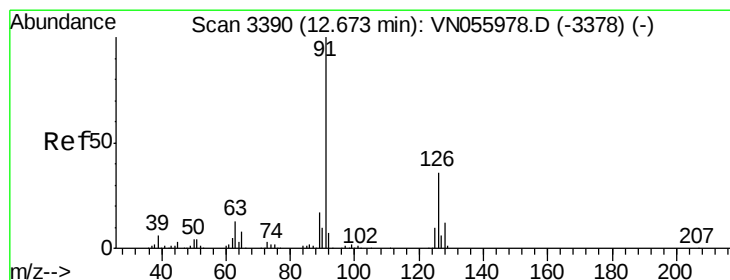
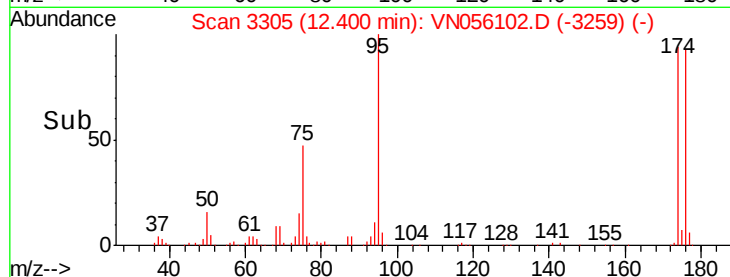
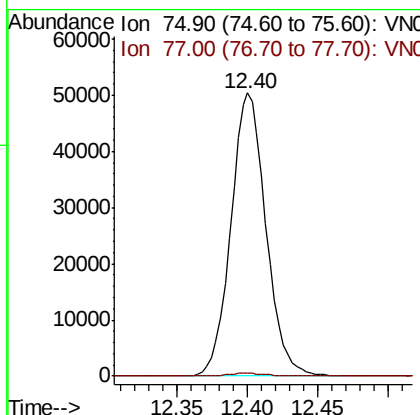
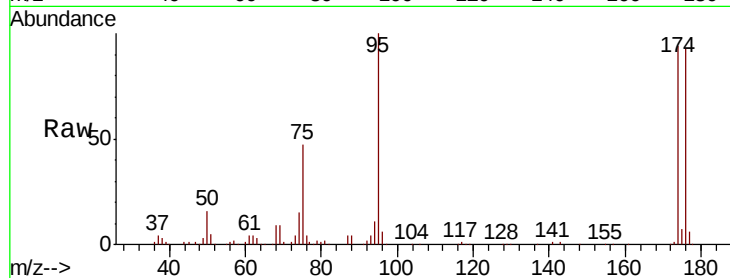




#76
 1,2,3-Trichloropropane
 Concen: 33.984 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

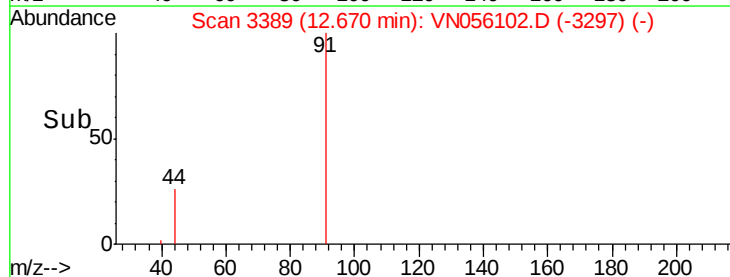
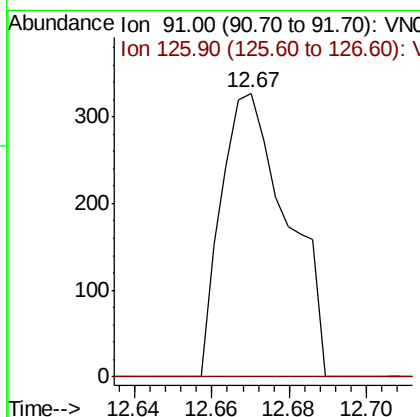
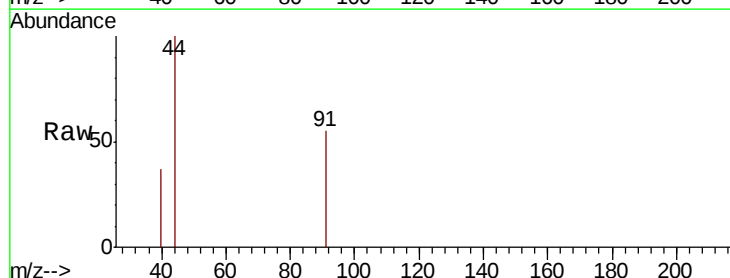
Instrument :
 MSVOA_N
 ClientSampled :

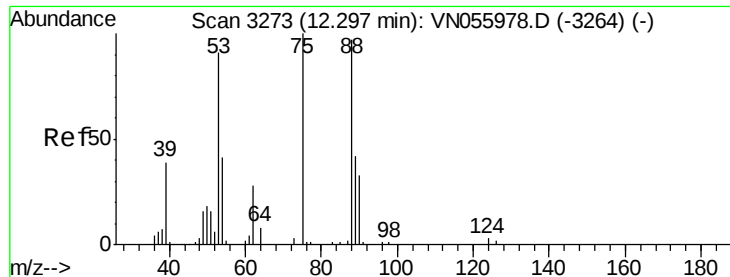
Tot Ion: 75 Resp: 87259
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

Tgt Ion: 91 Resp: 389
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 113.173 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

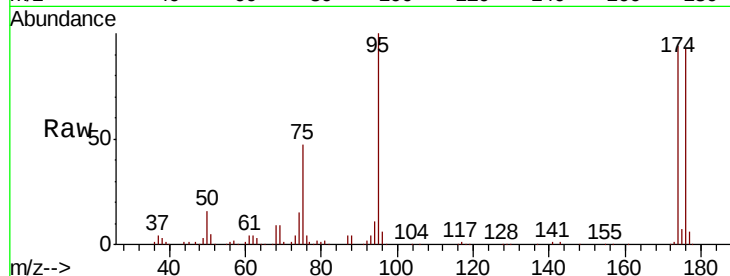
Tot Ion: 75 Resp: 87259

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

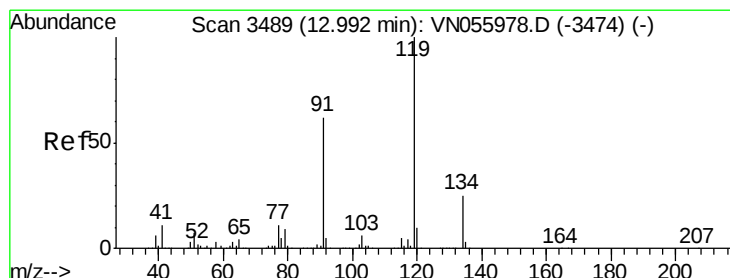
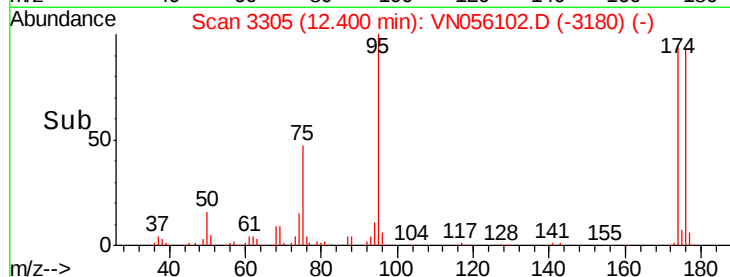
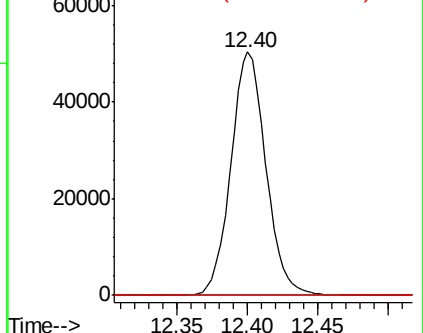
89 0.0 36.9 55.3#



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) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

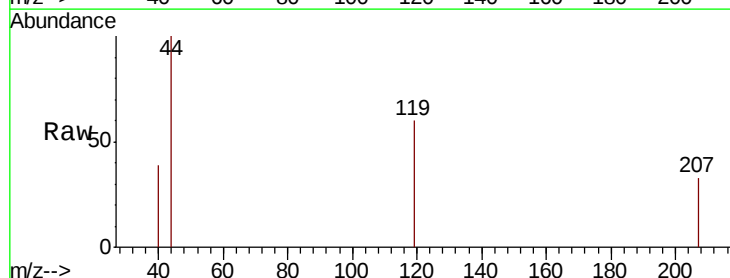
Tgt Ion: 119 Resp: 405

Ion Ratio Lower Upper

119 100

91 8.1 30.9 92.8#

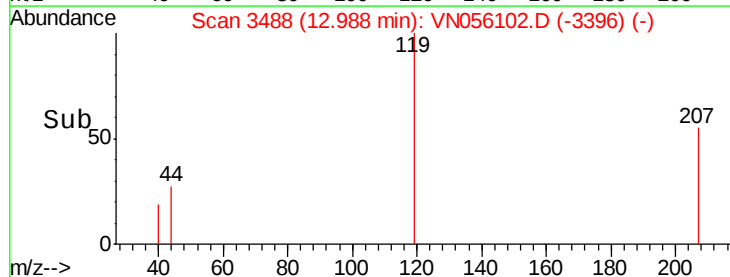
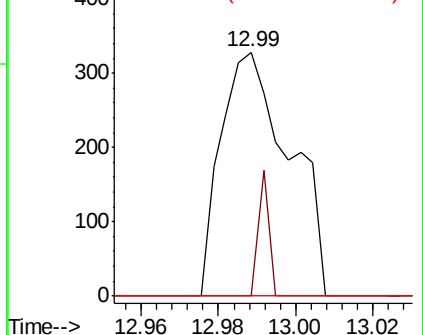
134 0.0 13.3 39.8#

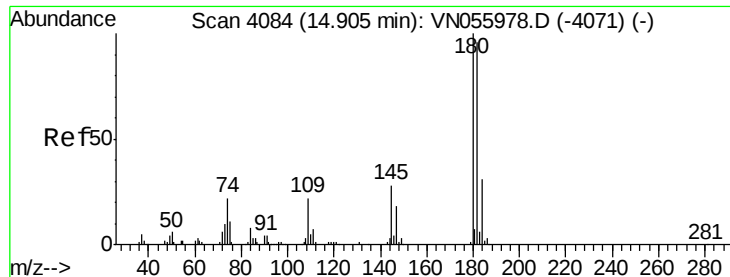


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

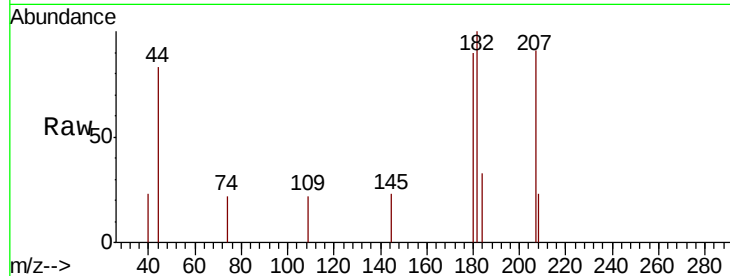




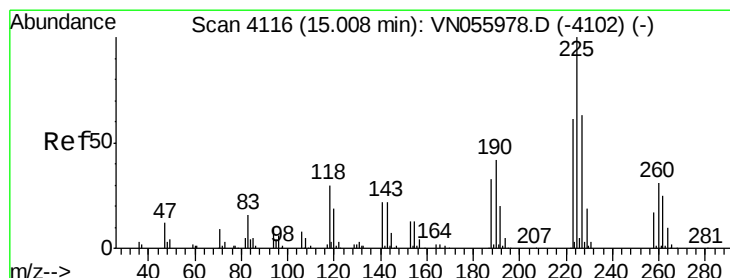
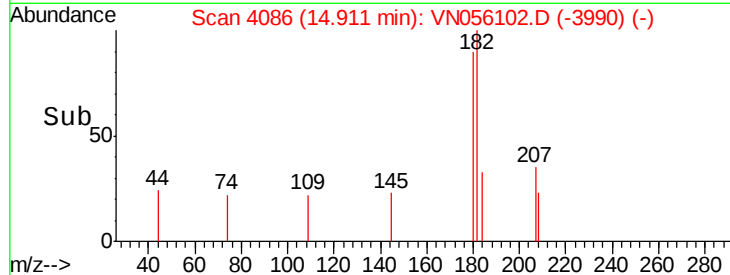
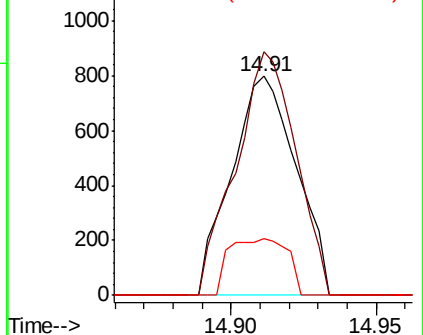
#93
 1,2,4-Trichlorobenzene
 Concen: 4.710 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1238
 Ion Ratio Lower Upper
 180 100
 182 103.5 48.3 144.9
 145 23.1 14.0 41.9

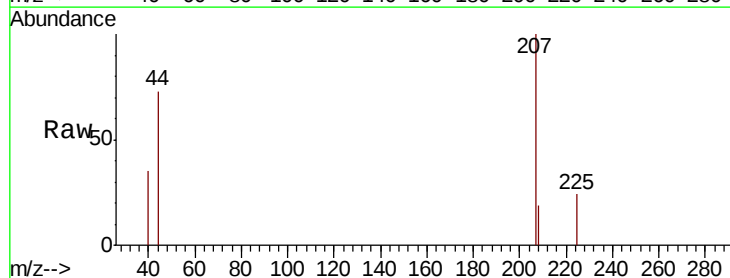


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

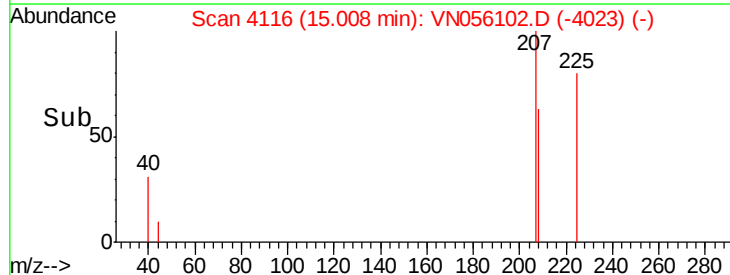
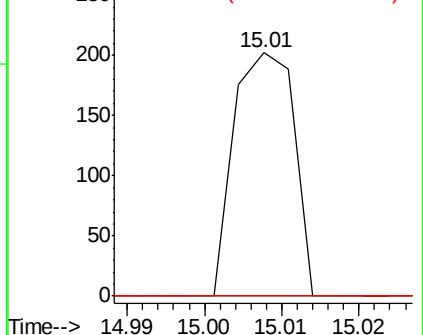


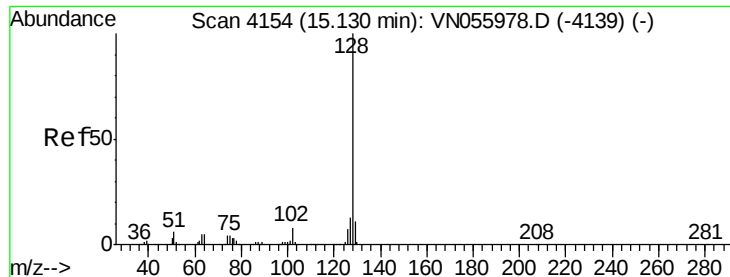
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056102.D
 Acq: 7 Jun 2019 16:49

Tgt Ion:225 Resp: 109
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 0.0 31.6 94.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.374 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

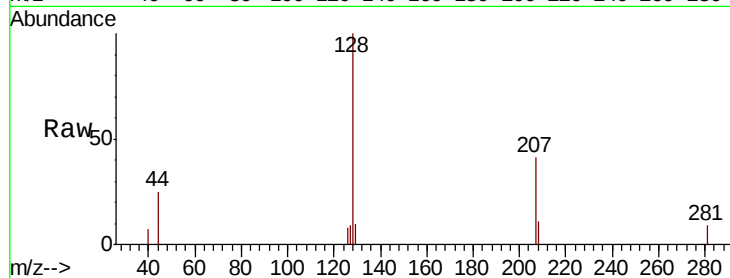
Tot Ion:128 Resp: 3777

Ion Ratio Lower Upper

128 100

127 4.2 10.3 15.5#

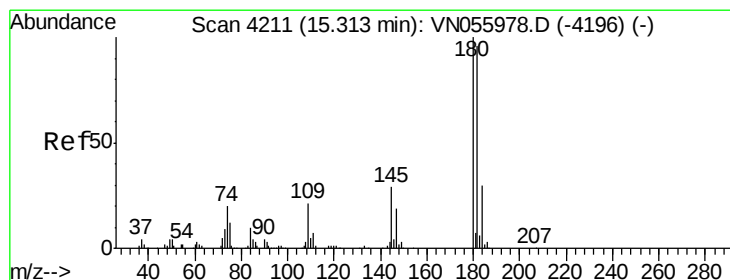
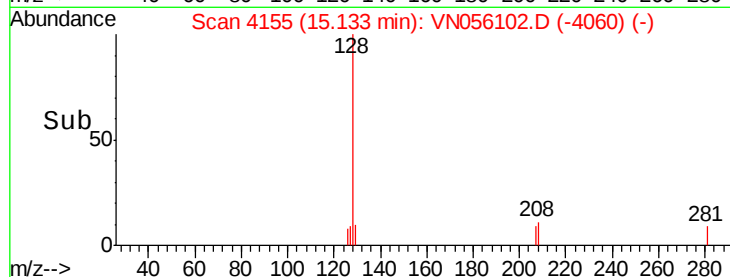
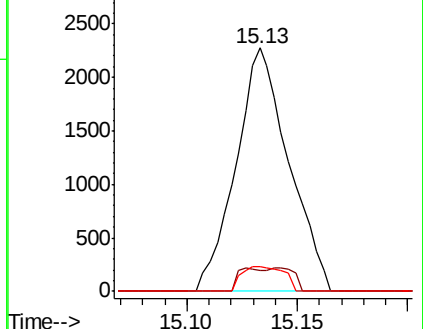
129 8.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.601 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056102.D

Acq: 7 Jun 2019 16:49

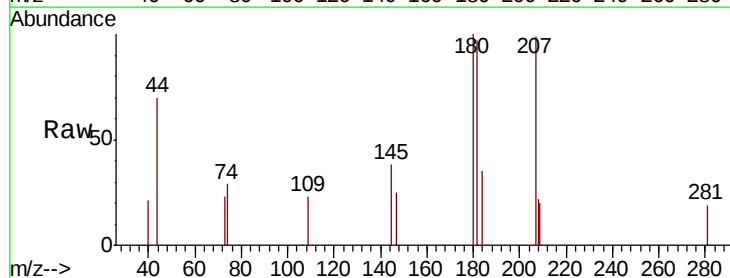
Tgt Ion:180 Resp: 1589

Ion Ratio Lower Upper

180 100

182 108.1 47.9 143.7

145 25.9 14.9 44.7



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

