

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056134.D
 Acq On : 8 Jun 2019 7:02
 Operator : JC/SP
 Sample : K3214-02 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2A

Quant Time: Jun 10 01:21:21 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	319018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	486154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	468269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152354	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	157457	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	7.59	113	138845	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	10.09	98	588384	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	188087	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

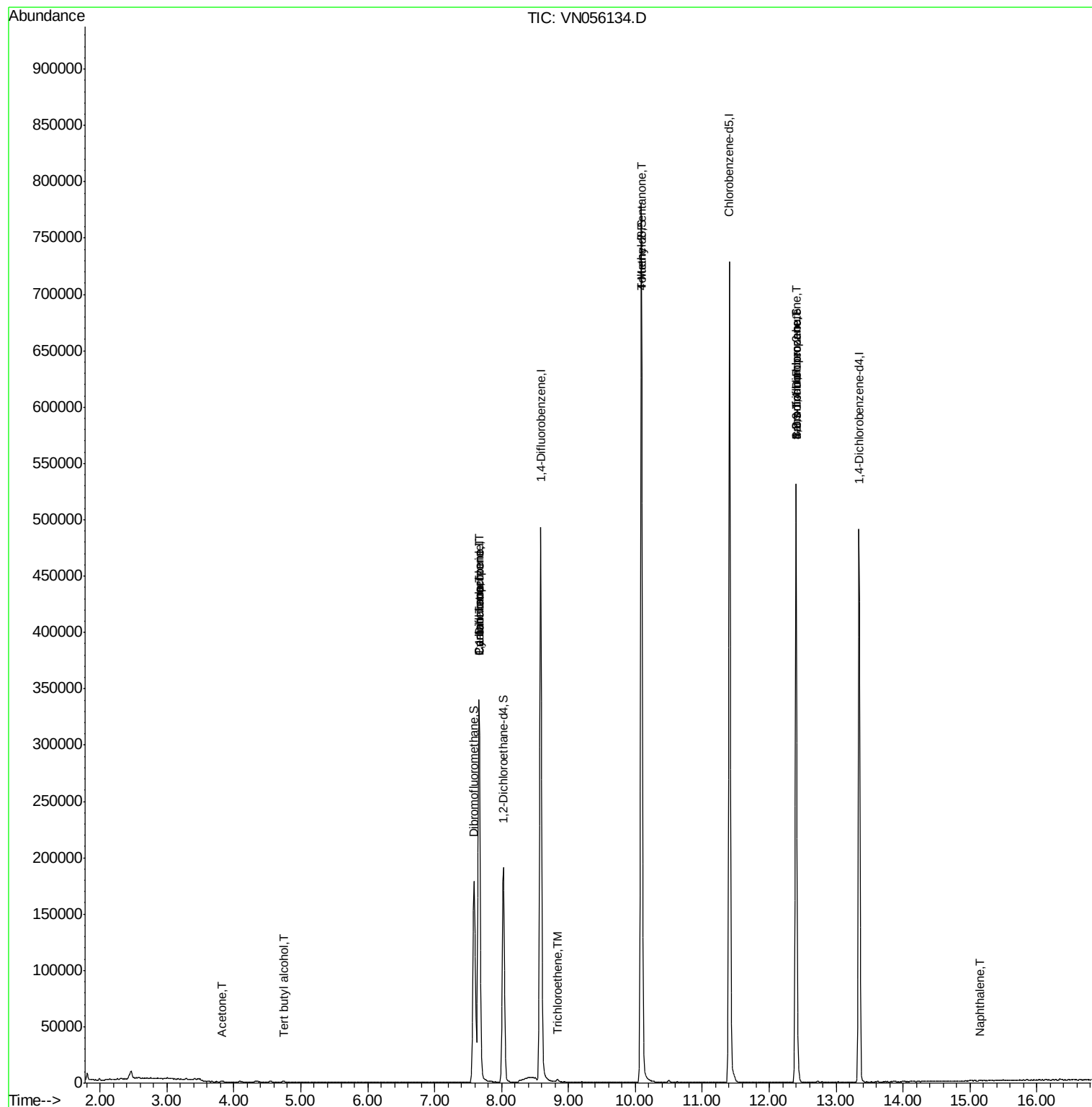
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	132	0.239	ug/l #	74
16) Acetone	3.82	43	949	0.626	ug/l #	41
18) Methyl Acetate	4.33	43	1552	Below Cal	#	75
31) Cyclohexane	7.66	56	4676	0.930	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18774	4.491	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26282	6.819	ug/l #	15
44) Trichloroethene	8.83	130	907	0.249	ug/l	85
51) 4-Methyl-2-Pentanone	10.09	43	2382	0.632	ug/l #	1
71) Bromoform	12.40	173	1379	3.225	ug/l #	1
73) Isopropylbenzene	12.40	105	65	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	85769	30.595	ug/l #	100
79) 2-Chlorotoluene	12.60	91	174	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85769	101.887	ug/l #	15
95) Naphthalene	15.13	128	218	3.879	ug/l #	69

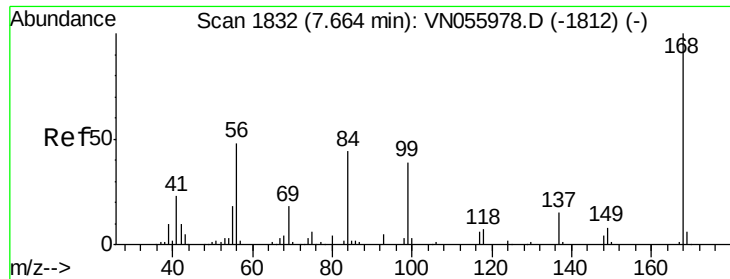
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

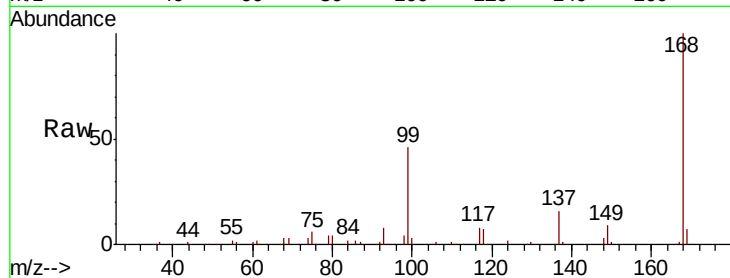
MW-2A

Tot Ion:168 Resp: 319018

Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

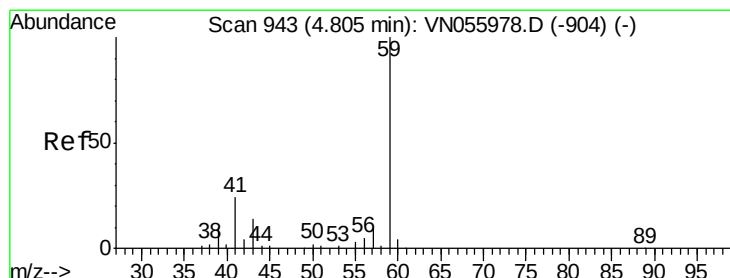
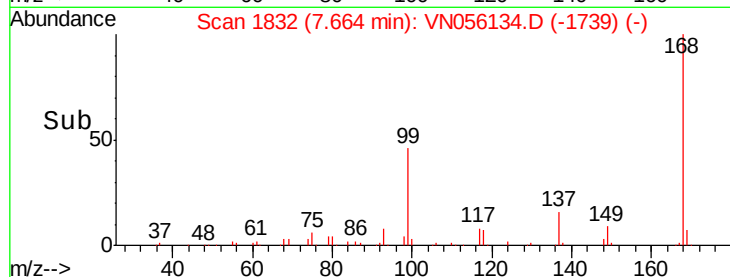
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.239 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.07 min

Lab File: VN056134.D

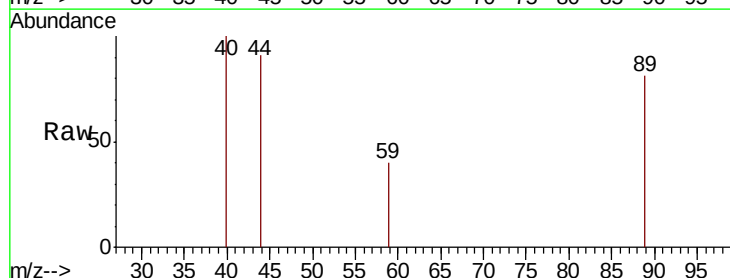
Acq: 8 Jun 2019 7:02

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

200

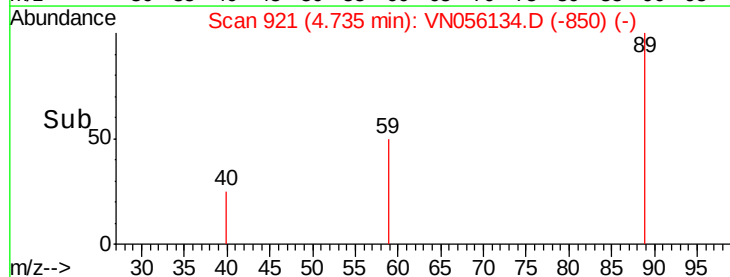
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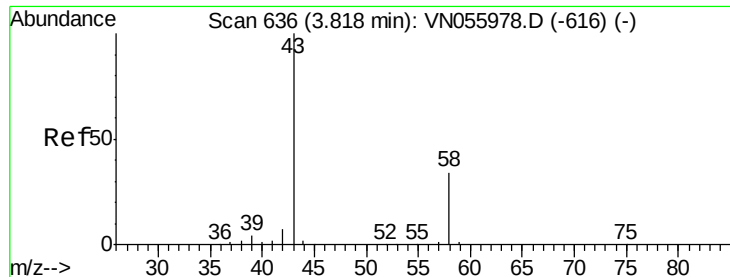
100

50

0

Time-->





#16

Acetone

Concen: 0.626 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

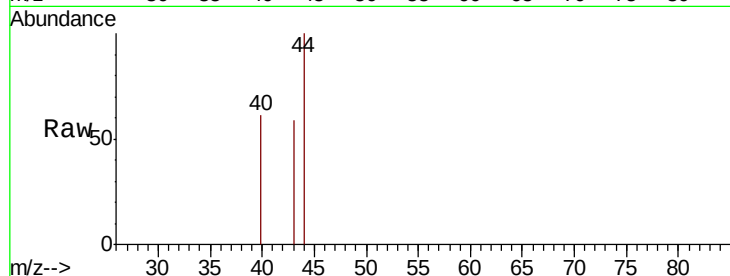
MW-2A

Tot Ion: 43 Resp: 949

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

400

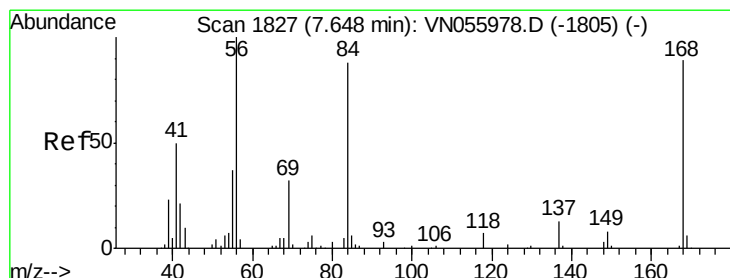
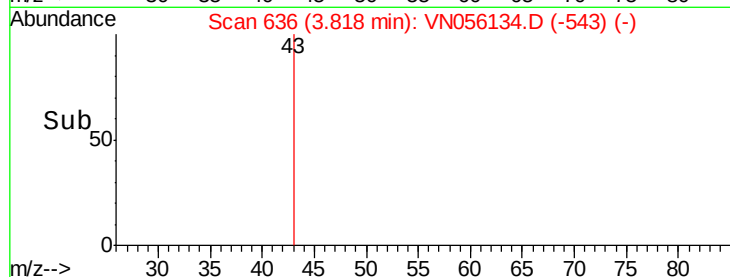
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.930 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

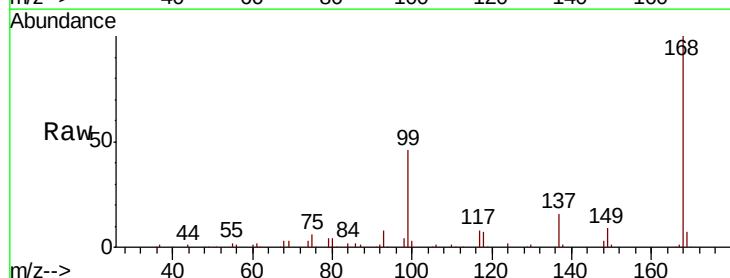
Tgt Ion: 56 Resp: 4676

Ion Ratio Lower Upper

56 100

69 184.4 25.6 38.4#

84 161.1 67.4 101.0#



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

5000

4000

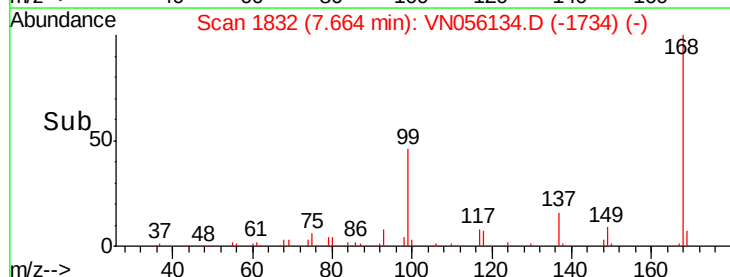
3000

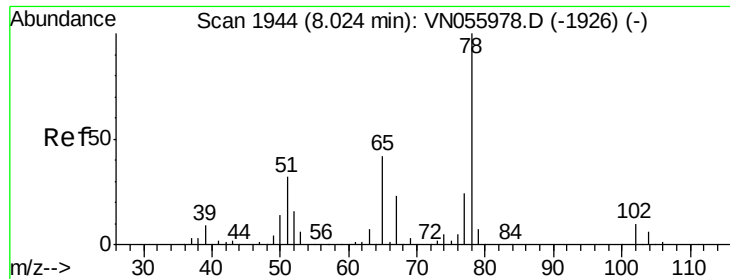
2000

1000

0

Time-->

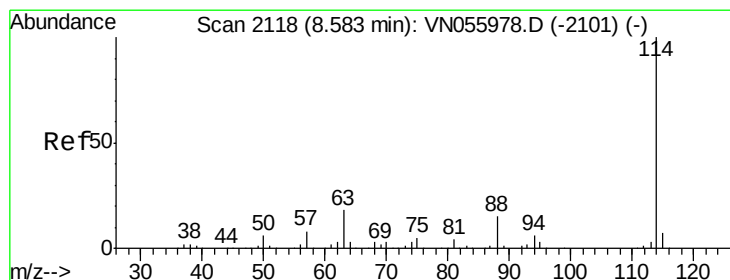
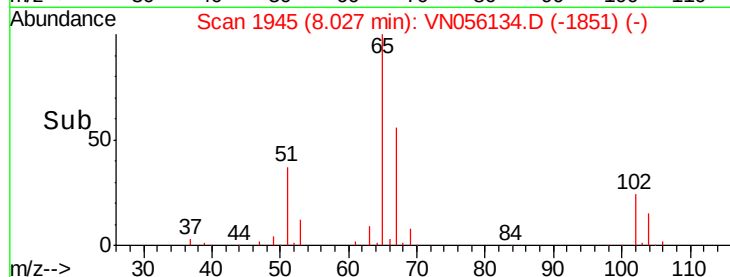
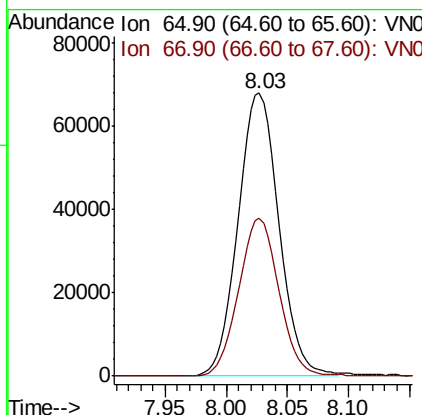
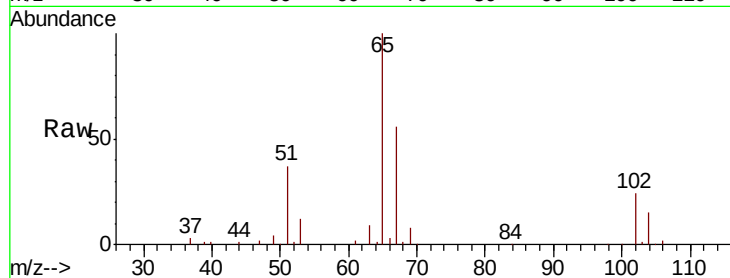




#33
 1,2-Dichloroethane-d4
 Concen: 49.709 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056134.D
 Acq: 8 Jun 2019 7:02

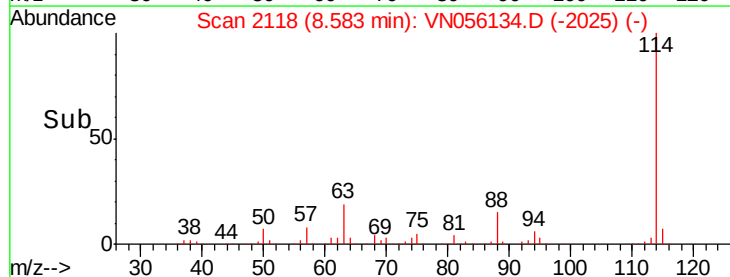
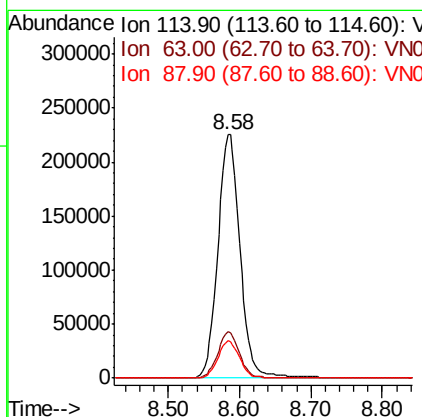
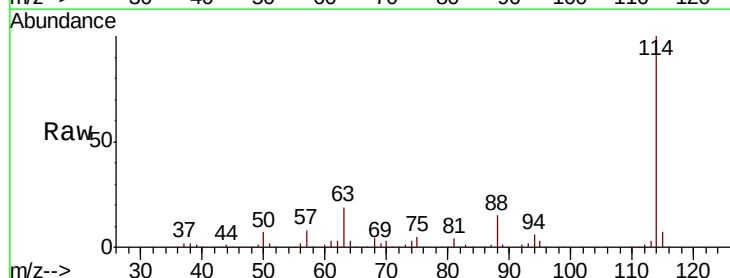
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2A

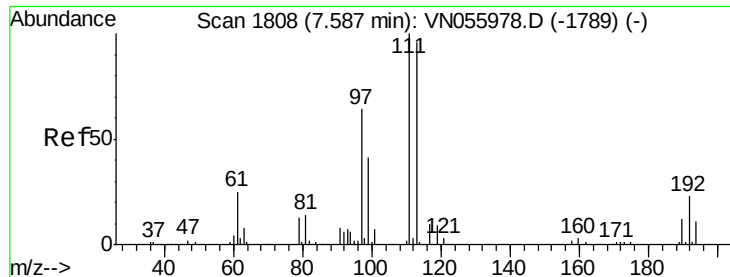
Tot Ion: 65 Resp: 157457
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056134.D
 Acq: 8 Jun 2019 7:02

Tgt Ion: 114 Resp: 486154
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.2 0.0 31.0

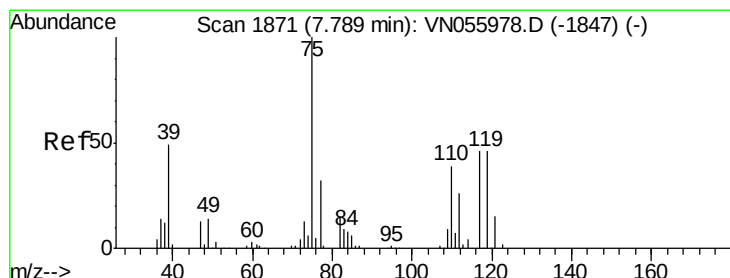
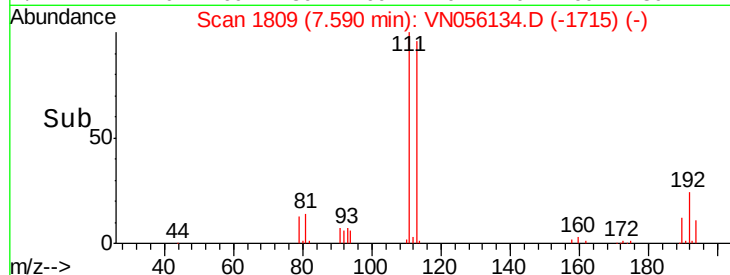
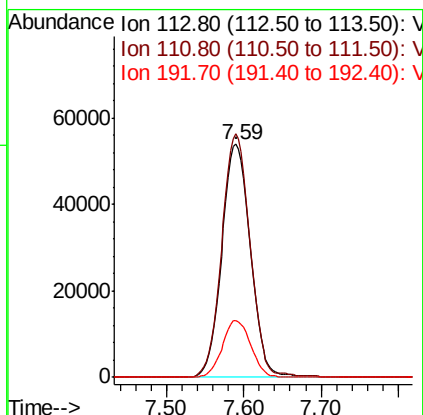
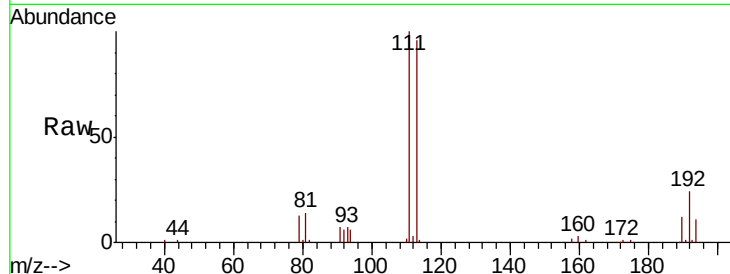




#35
 Dibromofluoromethane
 Concen: 46.550 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056134.D
 Acq: 8 Jun 2019 7:02

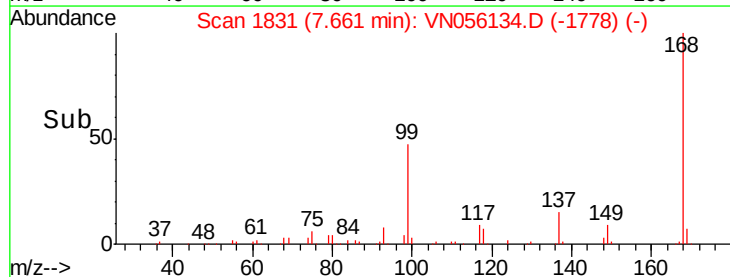
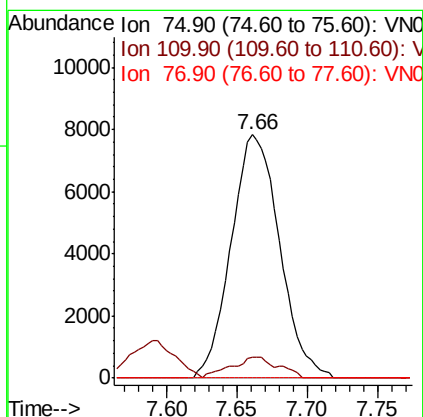
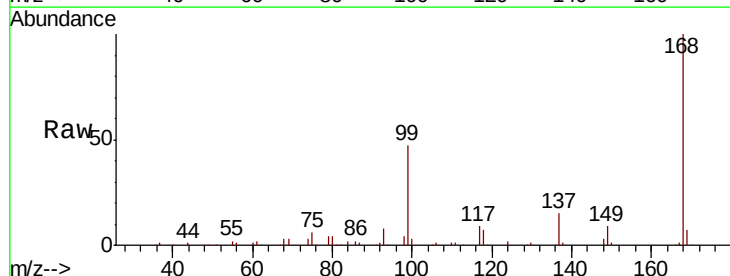
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2A

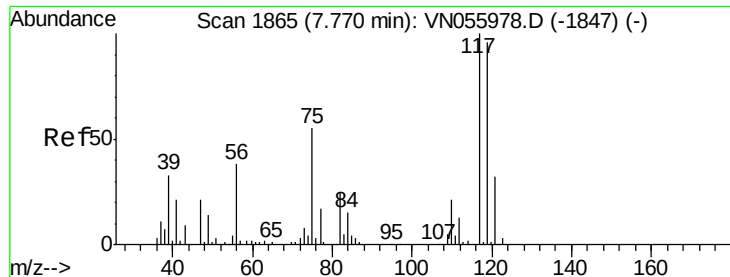
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	24.1	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.491 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056134.D
 Acq: 8 Jun 2019 7:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	19.0	57.0#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 6.819 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

MW-2A

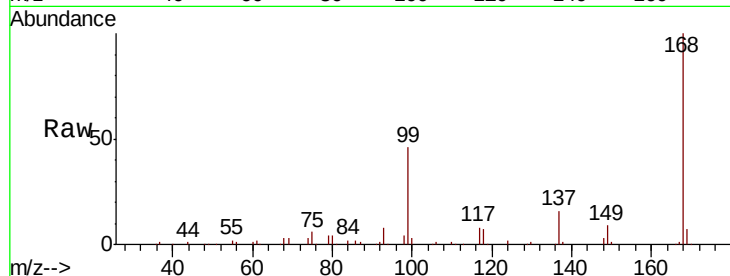
Tot Ion:117 Resp: 26282

Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.6#

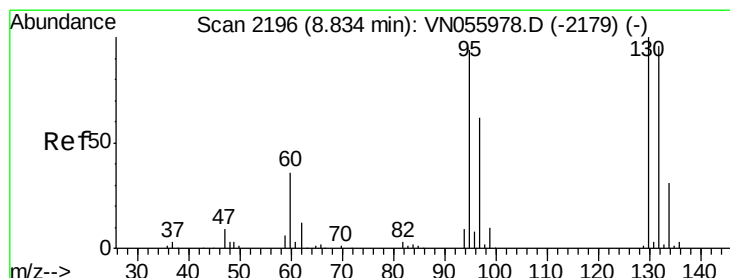
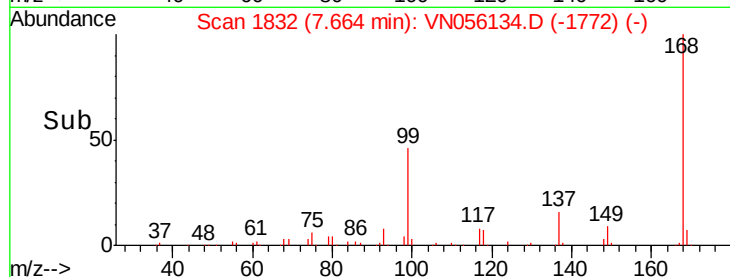
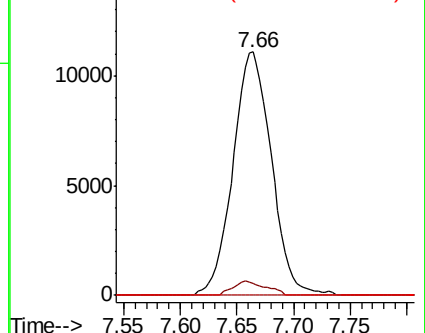
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.249 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056134.D

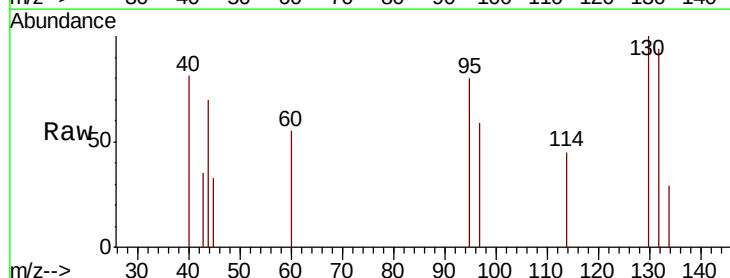
Acq: 8 Jun 2019 7:02

Tgt Ion:130 Resp: 907

Ion Ratio Lower Upper

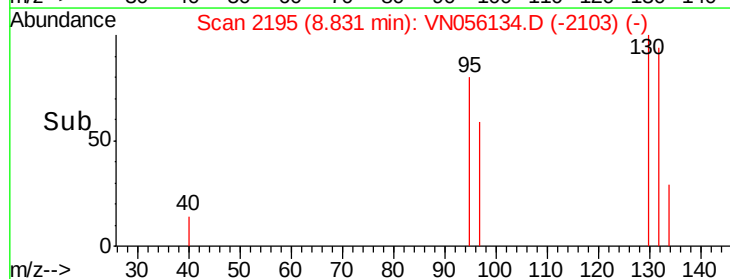
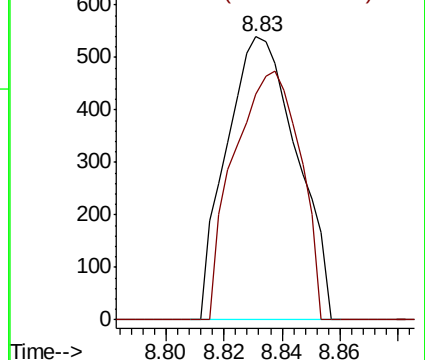
130 100

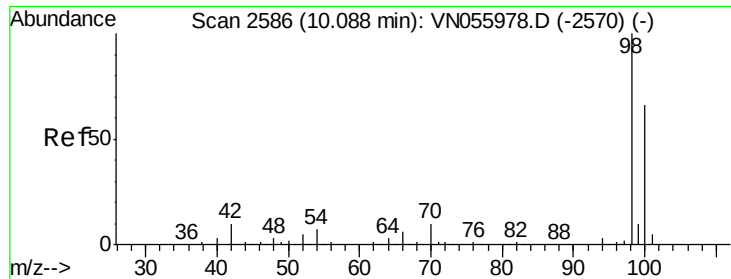
95 79.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

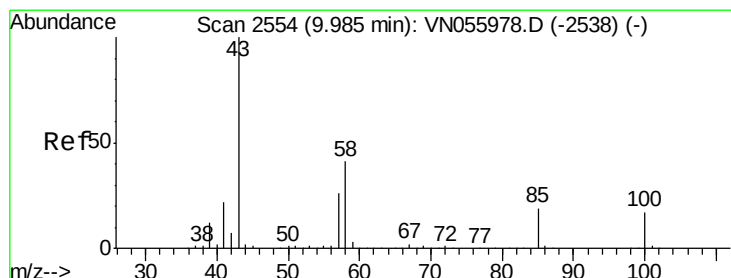
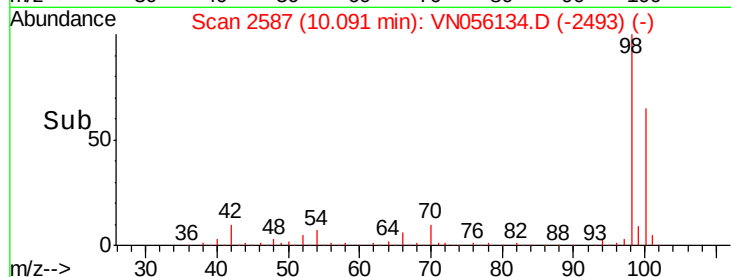
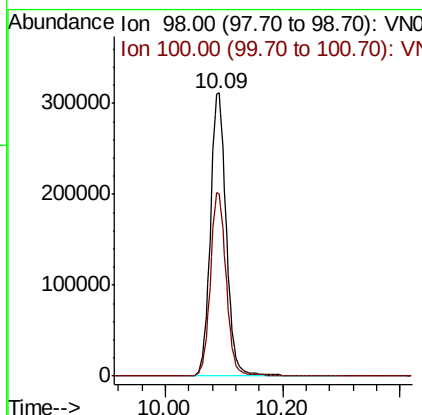
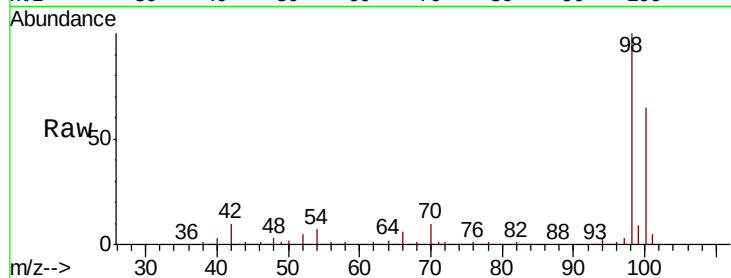




#50
Toluene-d8
Concen: 51.264 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056134.D
Acq: 8 Jun 2019 7:02

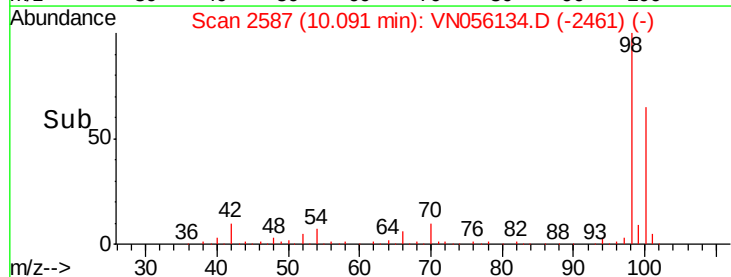
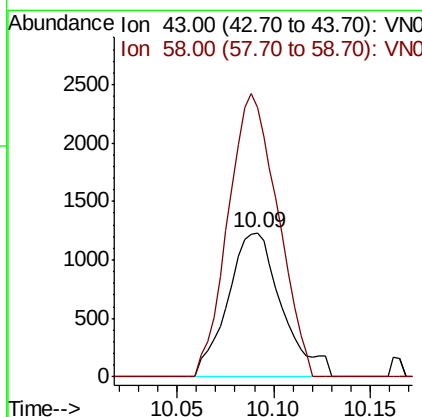
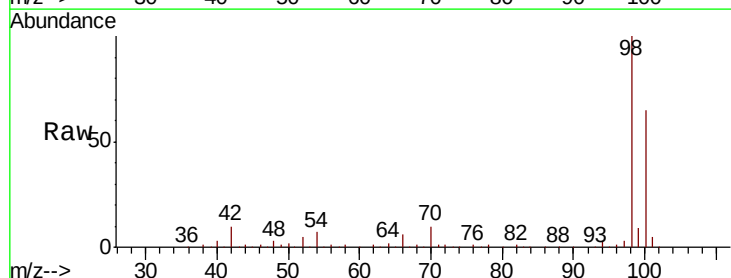
Instrument :
MSVOA_N
ClientSampled :
MW-2A

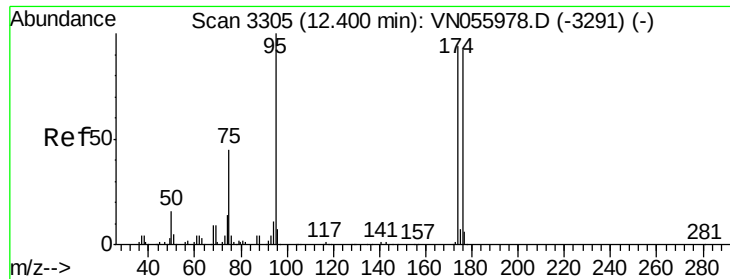
Tot Ion: 98 Resp: 588384
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.632 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.11 min
Lab File: VN056134.D
Acq: 8 Jun 2019 7:02

Tgt Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
58 181.4 32.1 48.1#

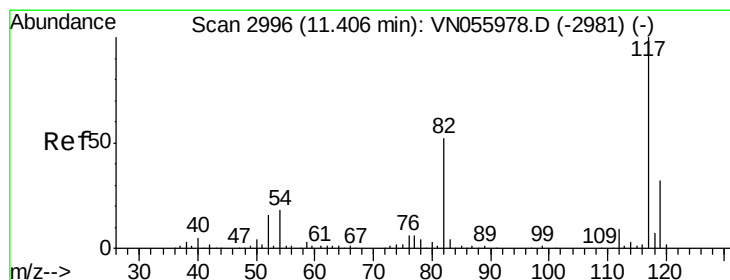
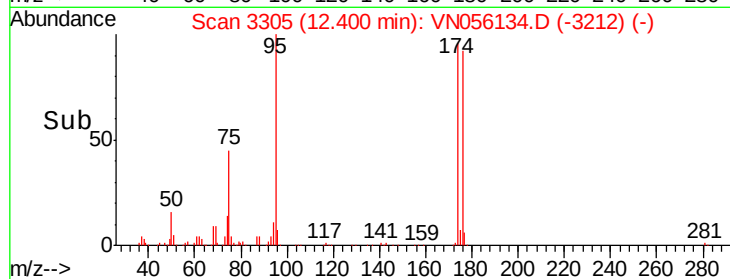
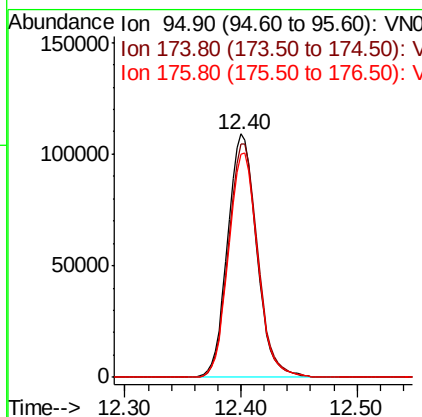
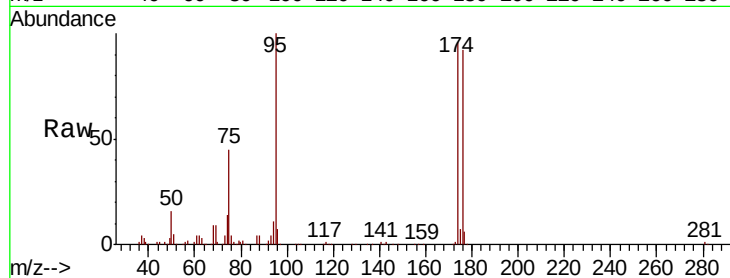




#62
4-Bromofluorobenzene
Concen: 48.188 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056134.D
Acq: 8 Jun 2019 7:02

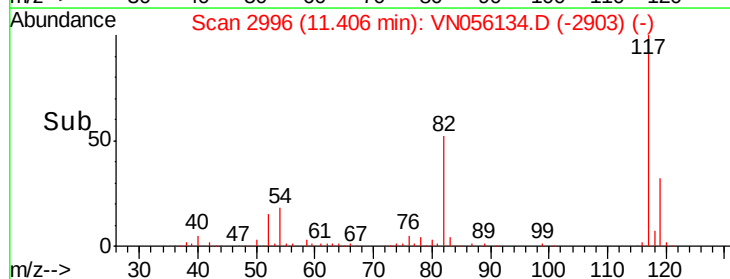
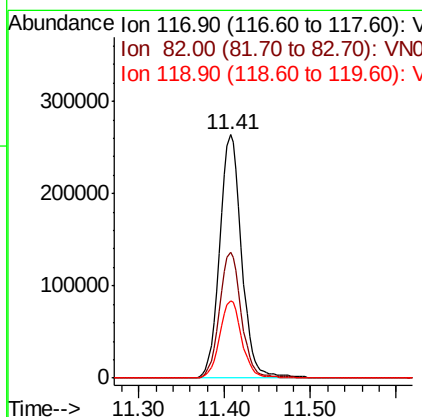
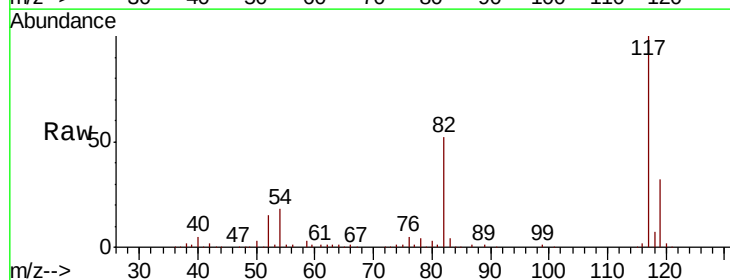
Instrument :
MSVOA_N
ClientSampled :
MW-2A

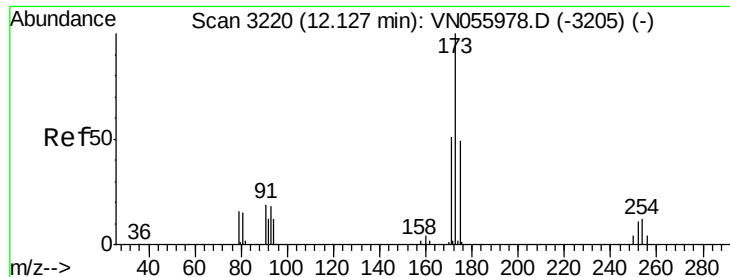
Tot Ion: 95 Resp: 188087
Ion Ratio Lower Upper
95 100
174 97.1 0.0 191.0
176 92.8 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056134.D
Acq: 8 Jun 2019 7:02

Tgt Ion: 117 Resp: 468269
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 31.9 25.4 38.0





#71

Bromoform

Concen: 3.225 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

MW-2A

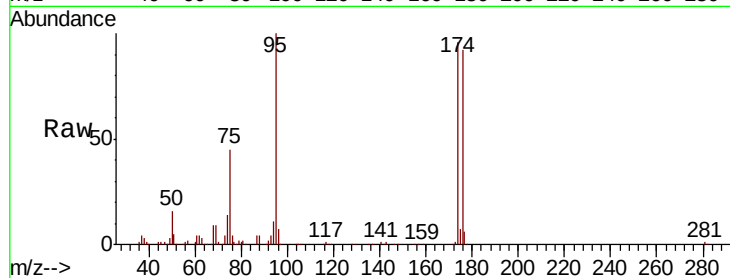
Tot Ion:173 Resp: 1379

Ion Ratio Lower Upper

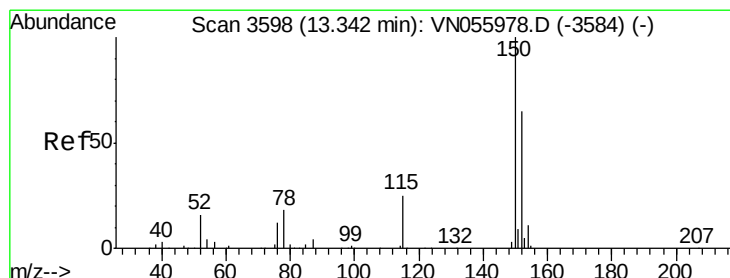
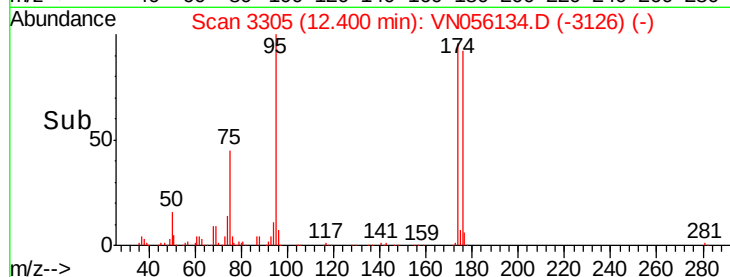
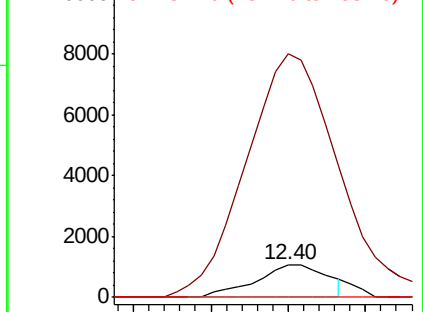
173 100

175 842.1 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: VN056134.D

Acq: 8 Jun 2019 7:02

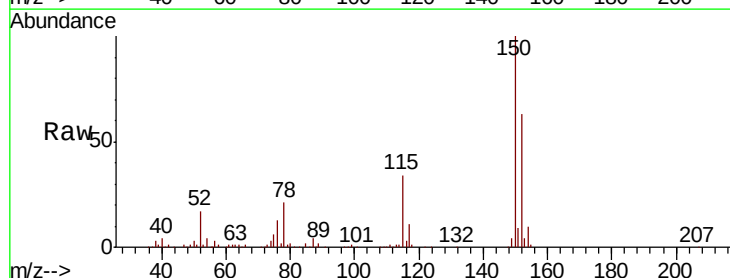
Tgt Ion:152 Resp: 152354

Ion Ratio Lower Upper

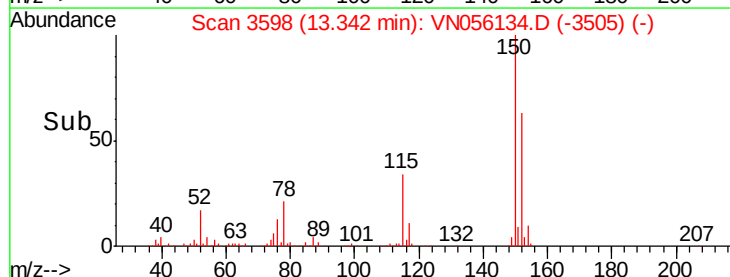
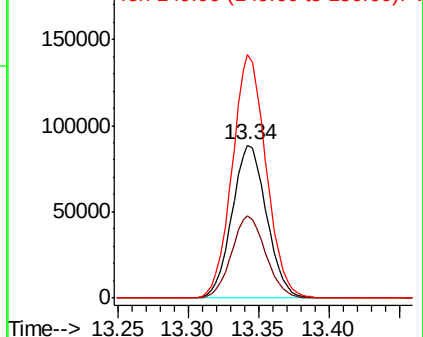
152 100

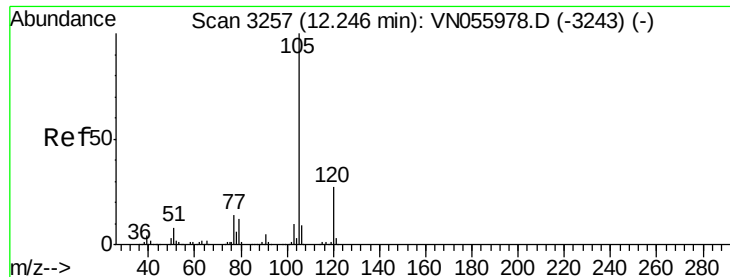
115 53.0 27.0 81.0

150 155.8 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# 3305

Delta R.T. 0.16 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

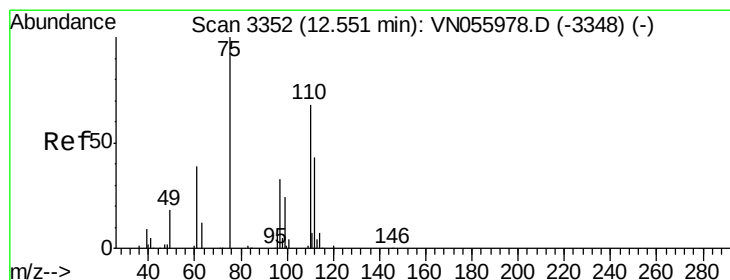
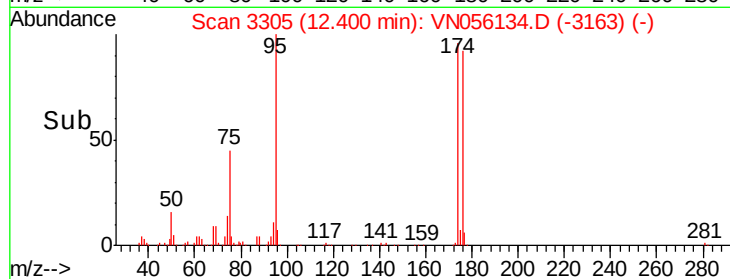
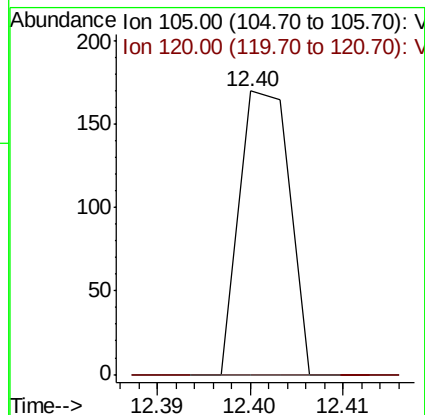
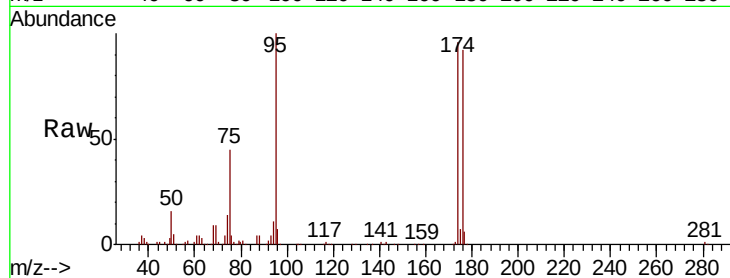
MW-2A

Tot Ion: 105 Resp: 65

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 30.595 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056134.D

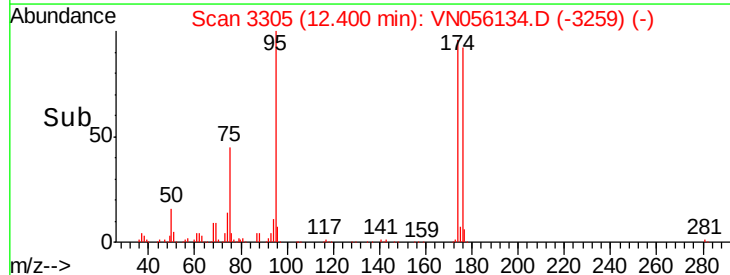
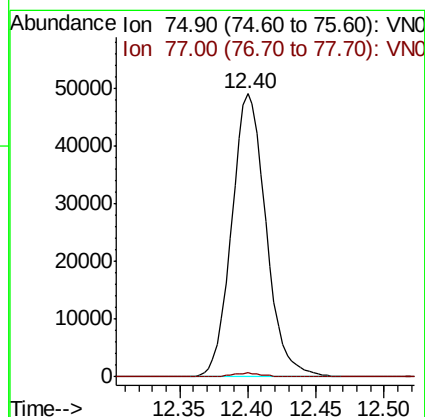
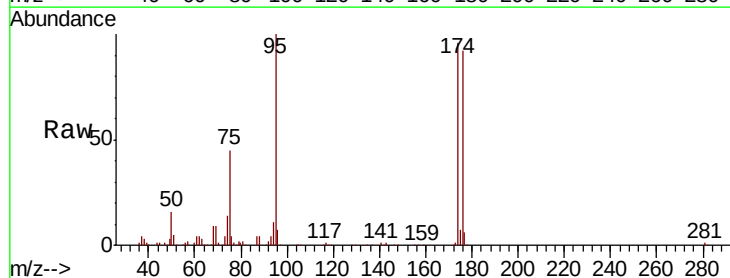
Acq: 8 Jun 2019 7:02

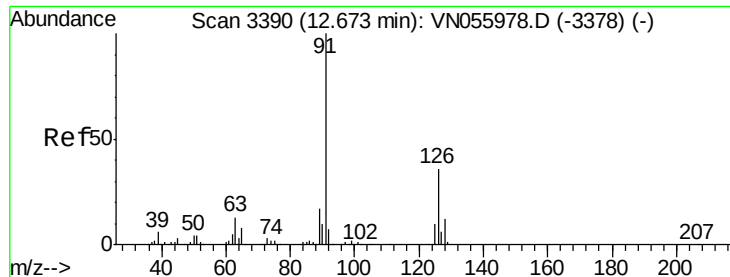
Tgt Ion: 75 Resp: 85769

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampled :

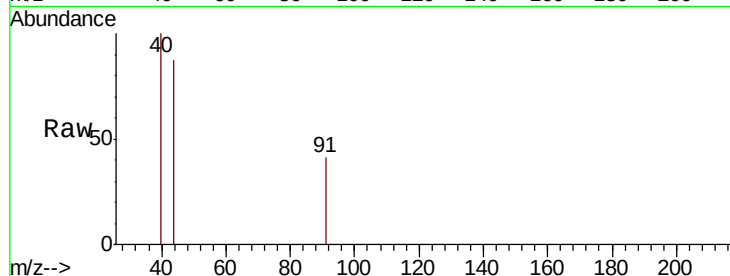
MW-2A

Tot Ion: 91 Resp: 174

Ion Ratio Lower Upper

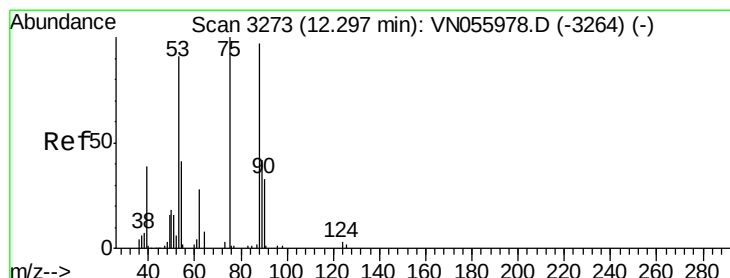
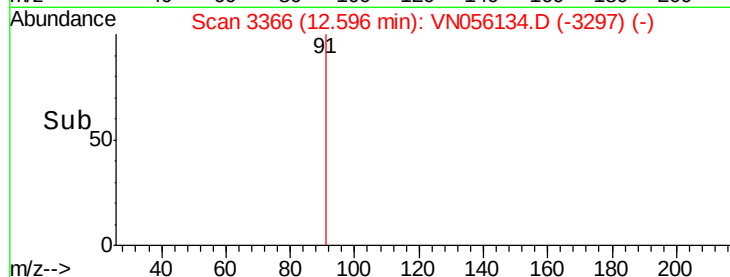
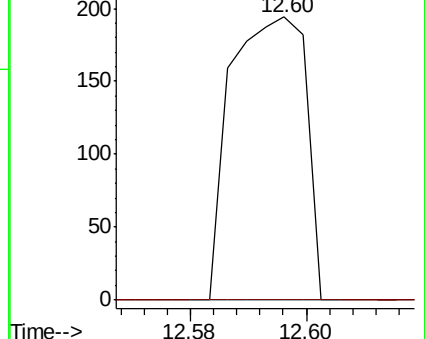
91 100

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: 101.887 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056134.D

Acq: 8 Jun 2019 7:02

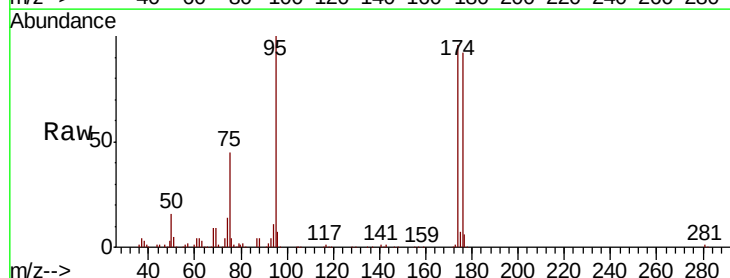
Tgt Ion: 75 Resp: 85769

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

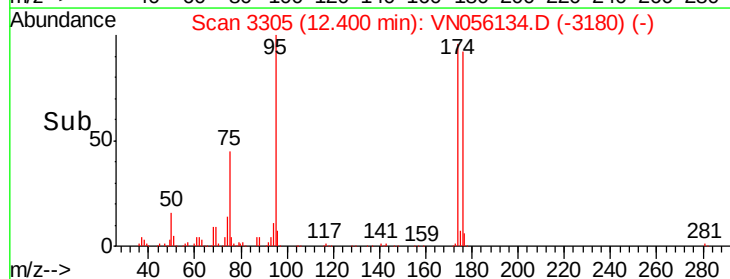
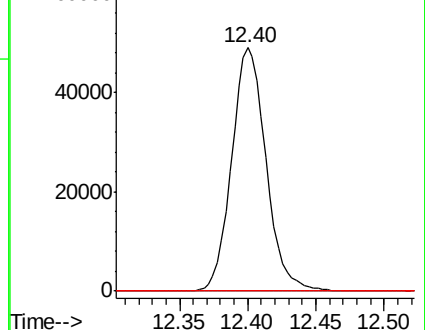
89 0.0 36.9 55.3#

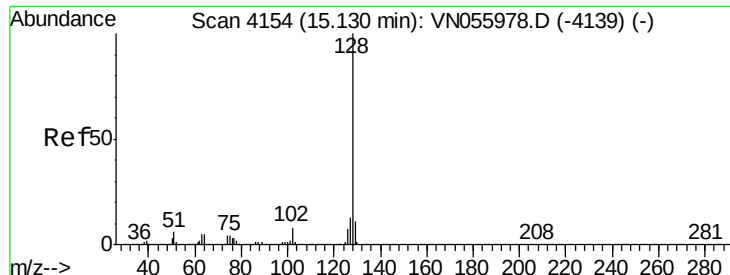


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.879 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056134.D

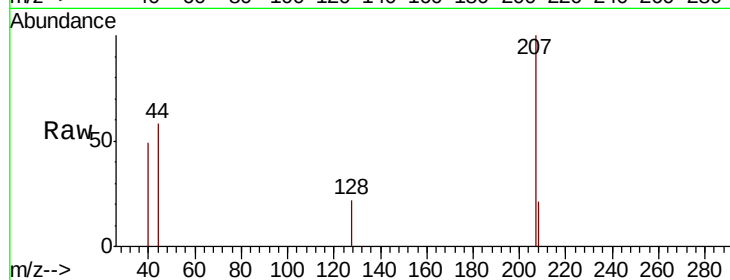
Acq: 8 Jun 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

MW-2A



Tot Ion:	128	Resp:	218
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

