

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054712.D
 Acq On : 27 Mar 2019 10:53
 Operator : JC/SP
 Sample : K2093-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30099-30100-OW-6

Quant Time: Mar 28 06:47:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	667976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1077777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	357917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	400361	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	7.59	113	314667	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	
50) Toluene-d8	10.09	98	1307899	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	415219	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

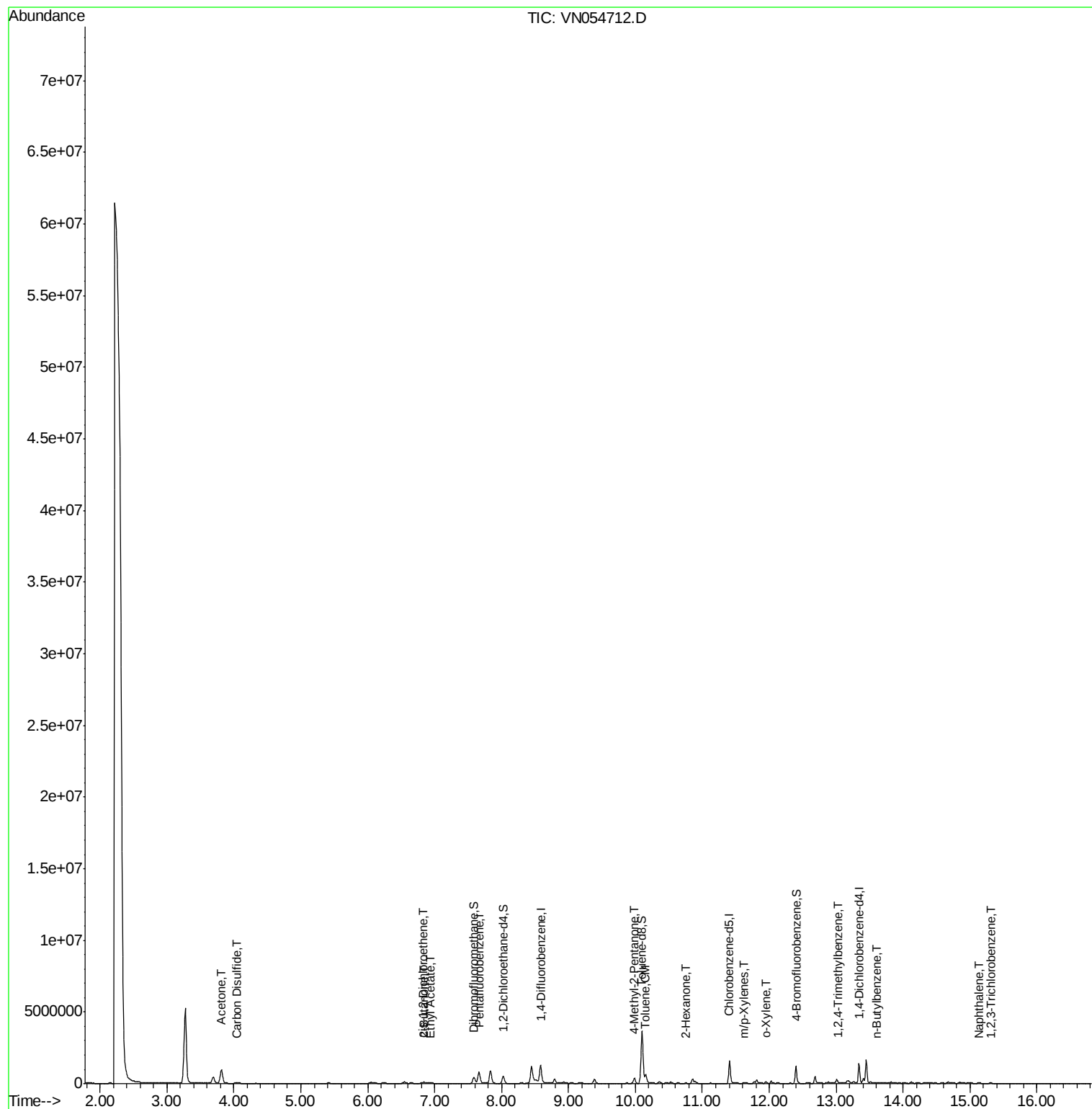
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	1665839	666.877	ug/l #	83
17) Carbon Disulfide	4.03	76	13050	0.756	ug/l #	94
25) 2-Butanone	6.84	43	109024	34.071	ug/l #	87
27) cis-1,2-Dichloroethene	6.82	96	7648	0.975	ug/l	82
37) Ethyl Acetate	6.93	43	83575	11.661	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	288697	43.035	ug/l	88
52) Toluene	10.16	92	227765	12.851	ug/l	99
59) 2-Hexanone	10.75	43	24591	5.612	ug/l	85
68) m/p-Xylenes	11.62	106	5253	0.418	ug/l	85
69) o-Xylene	11.95	106	3470	0.283	ug/l	84
84) 1,2,4-Trimethylbenzene	13.04	105	12055	0.520	ug/l	90
89) n-Butylbenzene	13.61	91	5020	0.280	ug/l	95
95) Naphthalene	15.13	128	28302	2.217	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3789	0.665	ug/l	93

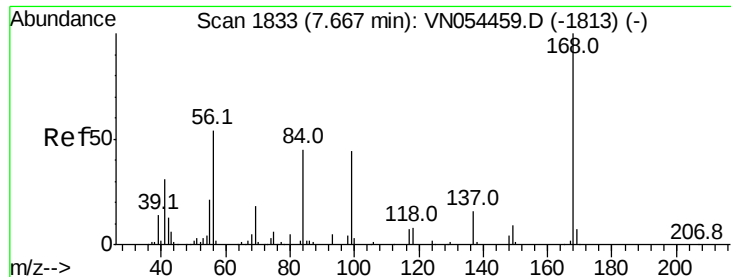
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054712.D

Acq: 27 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

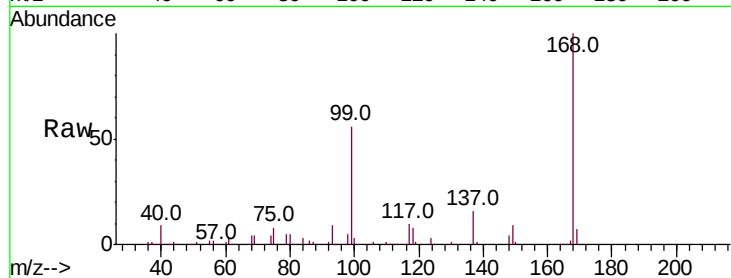
30099-30100-OW-6

Tot Ion:168 Resp: 667976

Ion Ratio Lower Upper

168 100

99 56.2 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

150000

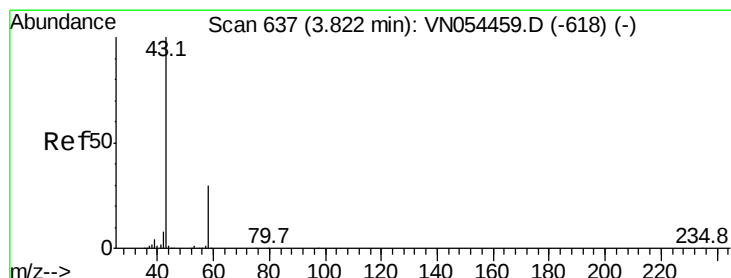
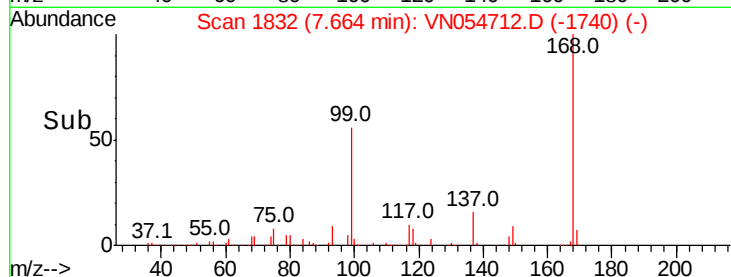
100000

50000

0

Time-->

7.60 7.70



#16

Acetone

Concen: 666.877 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN054712.D

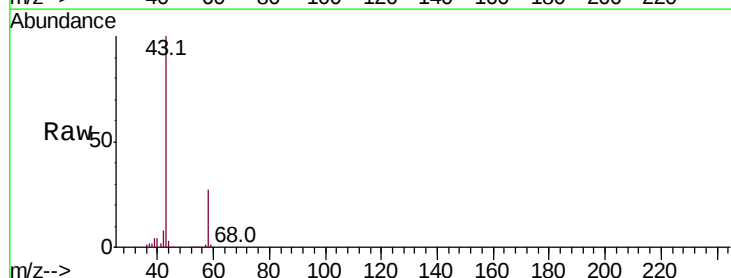
Acq: 27 Mar 2019 10:53

Tgt Ion: 43 Resp: 1665839

Ion Ratio Lower Upper

43 100

58 26.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.81

600000

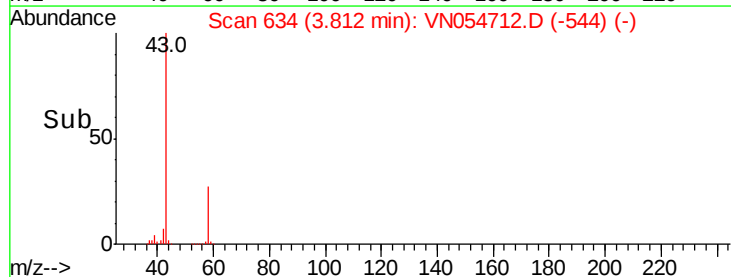
400000

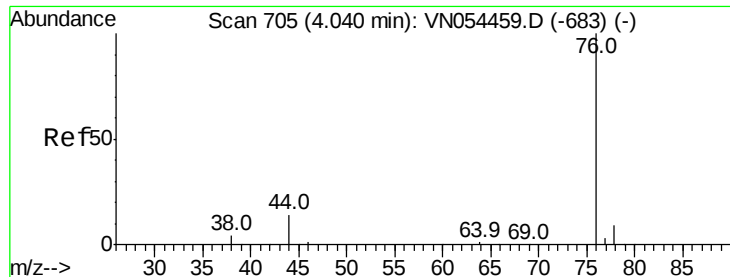
200000

0

Time-->

3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 0.756 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN054712.D

Acq: 27 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

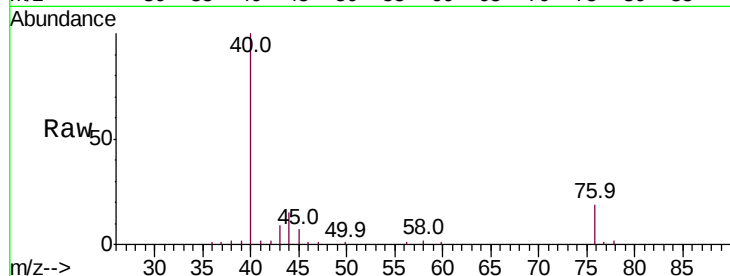
30099-30100-OW-6

Tot Ion: 76 Resp: 13050

Ion Ratio Lower Upper

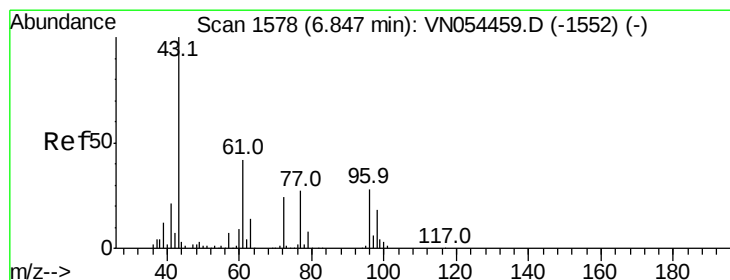
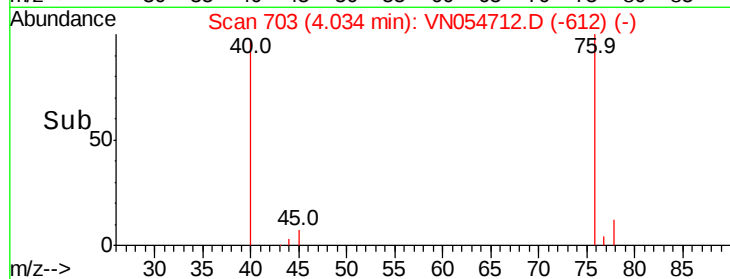
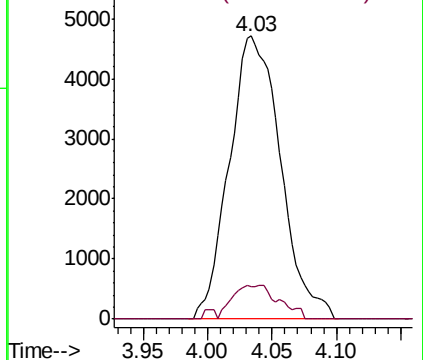
76 100

78 11.6 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#25

2-Butanone

Concen: 34.071 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054712.D

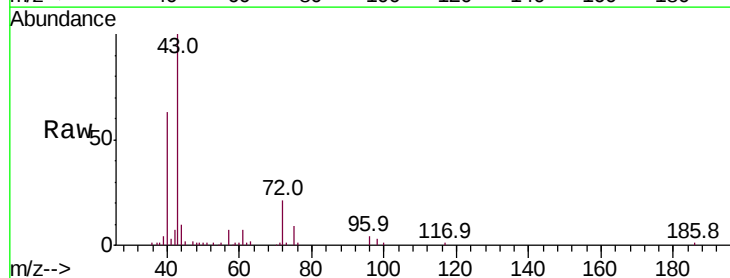
Acq: 27 Mar 2019 10:53

Tgt Ion: 43 Resp: 109024

Ion Ratio Lower Upper

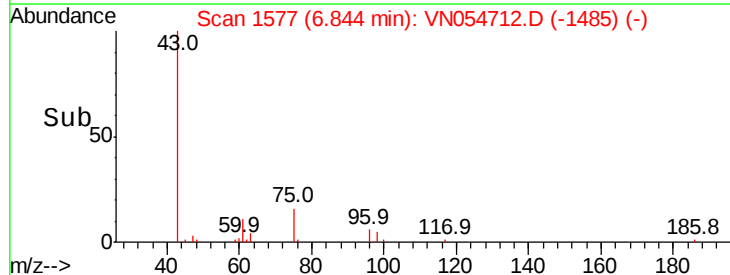
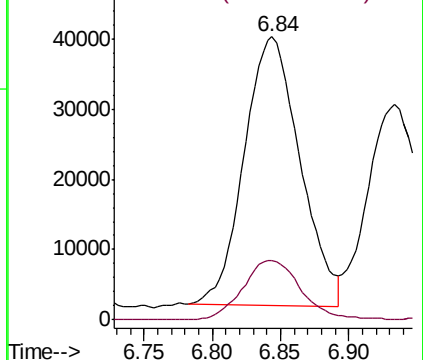
43 100

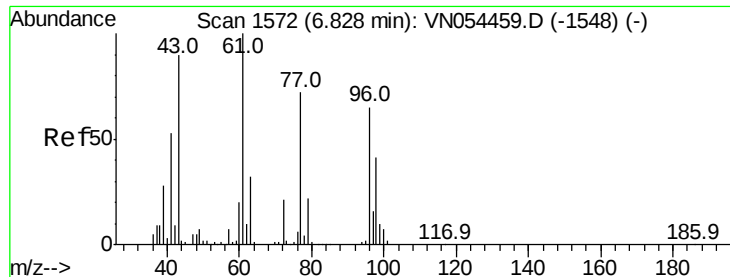
72 22.1 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.975 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN054712.D

Acq: 27 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

30099-30100-OW-6

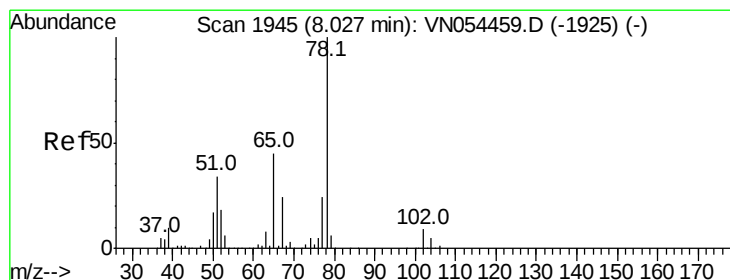
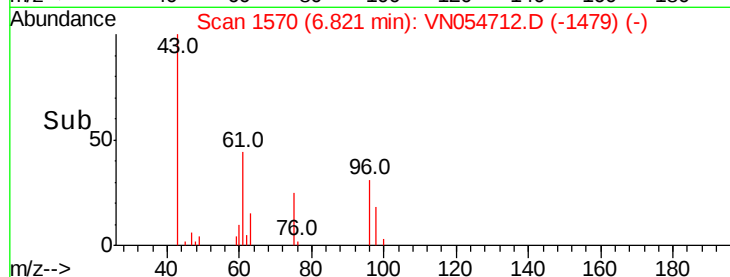
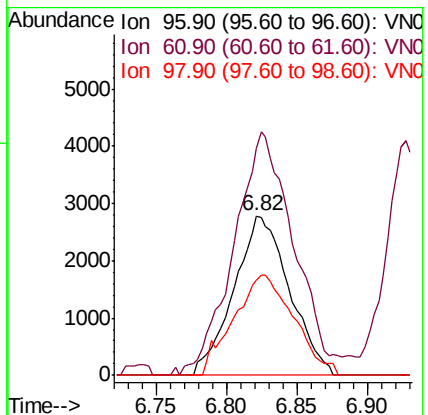
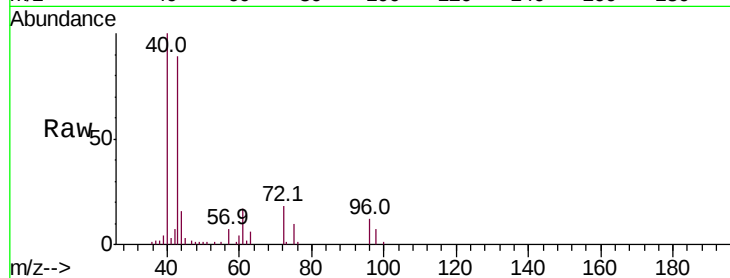
Tot Ion: 96 Resp: 7648

Ion Ratio Lower Upper

96 100

61 165.7 0.0 273.0

98 68.2 0.0 130.6



#33

1,2-Dichloroethane-d4

Concen: 48.187 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054712.D

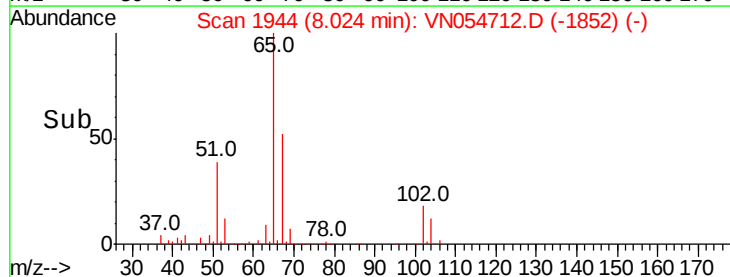
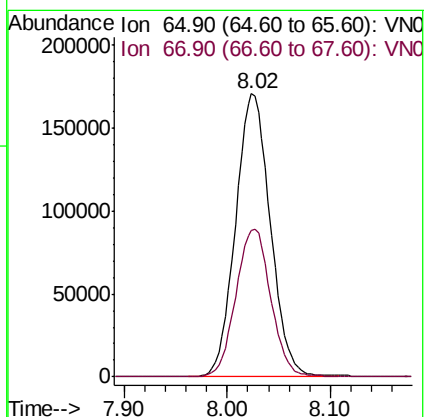
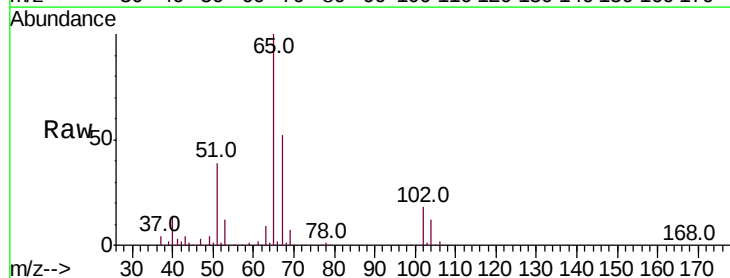
Acq: 27 Mar 2019 10:53

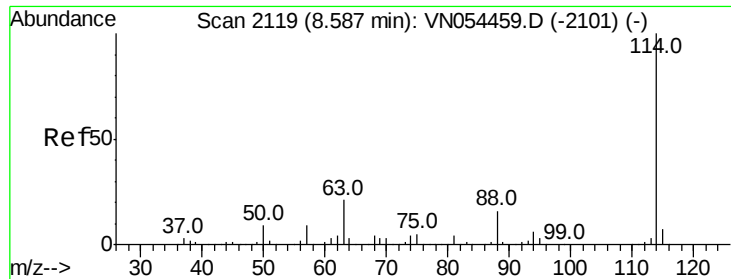
Tgt Ion: 65 Resp: 400361

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



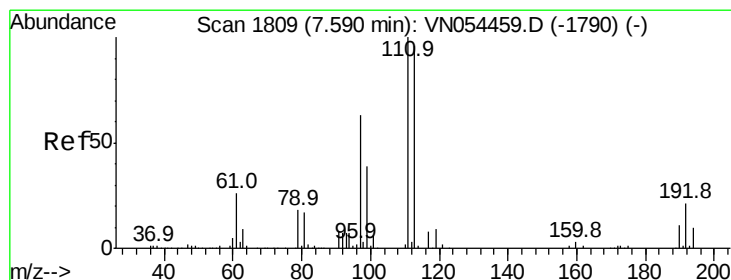
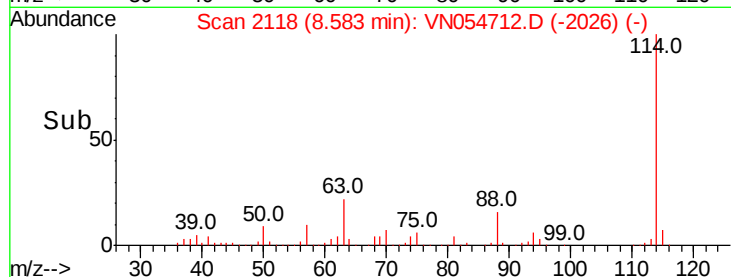
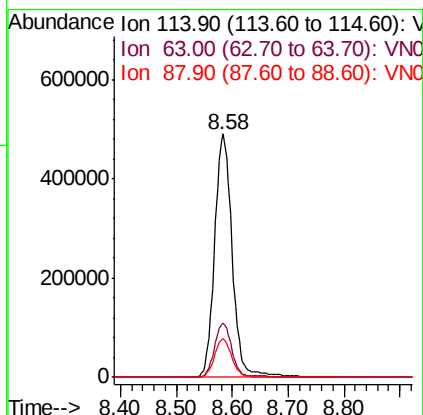
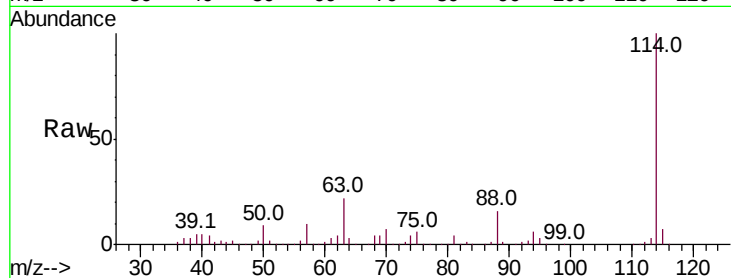


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054712.D
 Acq: 27 Mar 2019 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 30099-30100-OW-6

Tot Ion:114 Resp: 1077777

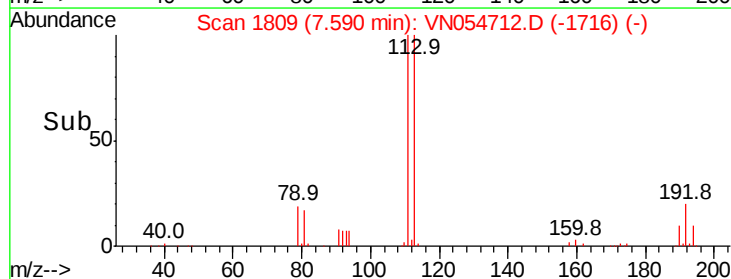
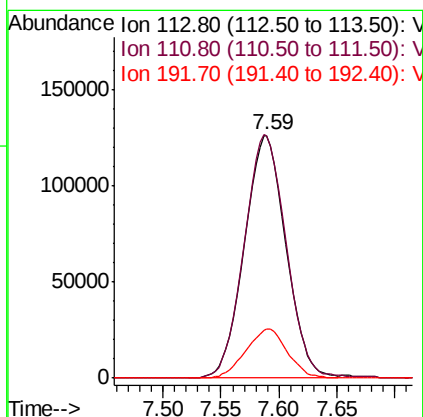
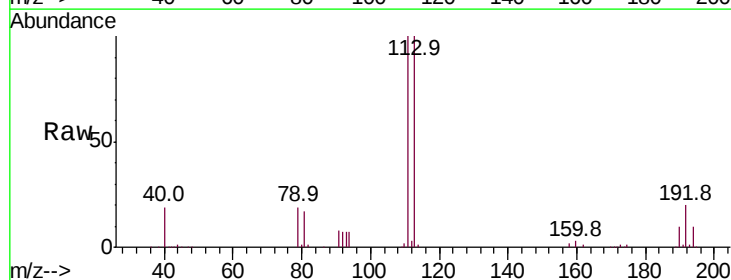
Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	35.2
88	16.0	0.0	30.2

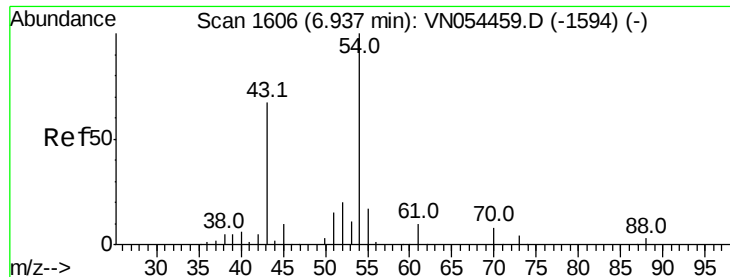


#35
 Dibromofluoromethane
 Concen: 45.318 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054712.D
 Acq: 27 Mar 2019 10:53

Tgt Ion:113 Resp: 314667

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.4
192	20.3	19.2	28.8

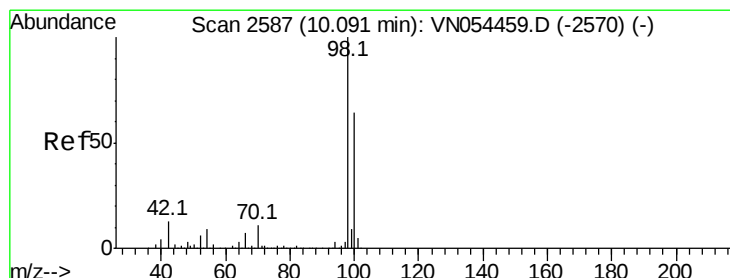
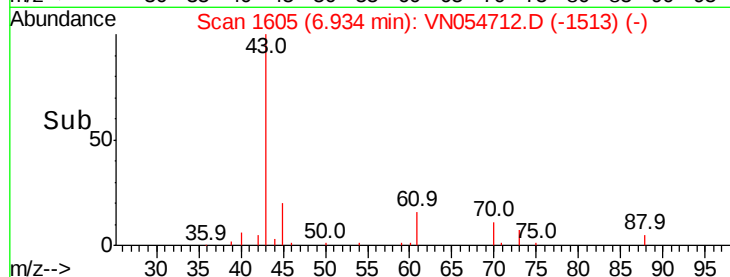
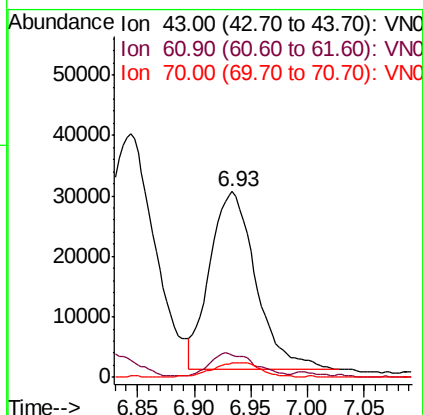
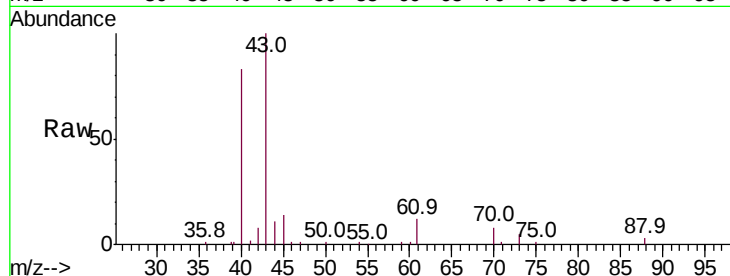




#37
Ethyl Acetate
Concen: 11.661 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

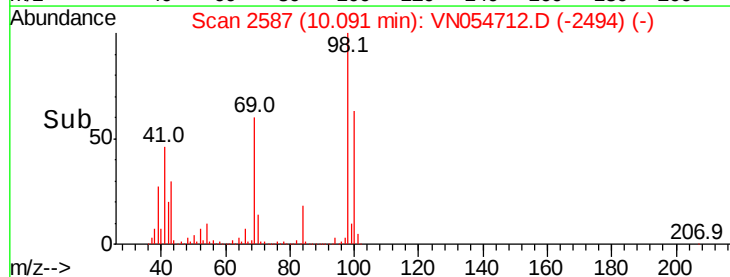
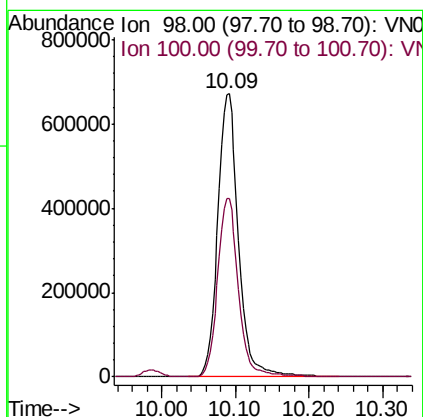
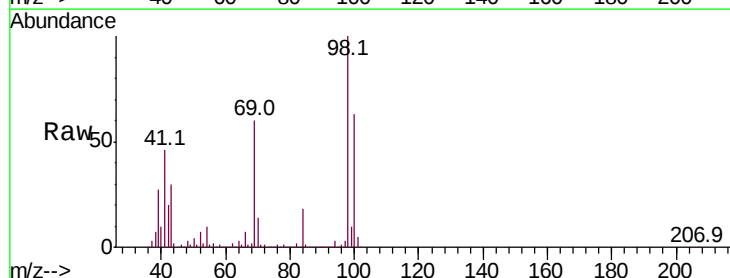
Instrument :
MSVOA_N
ClientSampleId :
30099-30100-OW-6

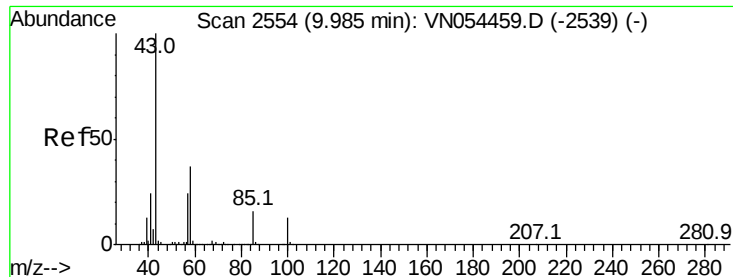
Tot Ion: 43 Resp: 83575
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 8.7 8.4 12.6



#50
Toluene-d8
Concen: 50.104 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Tgt Ion: 98 Resp: 1307899
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 43.035 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054712.D

Acq: 27 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

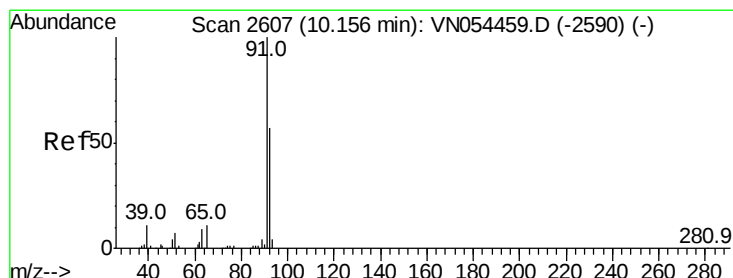
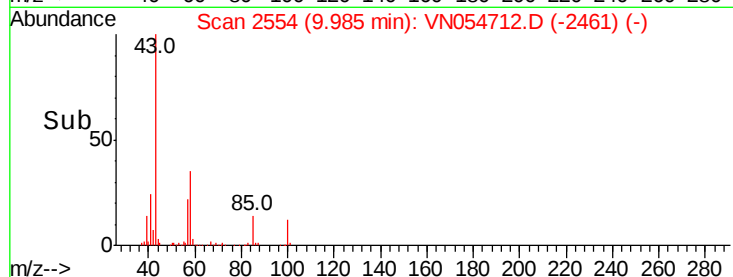
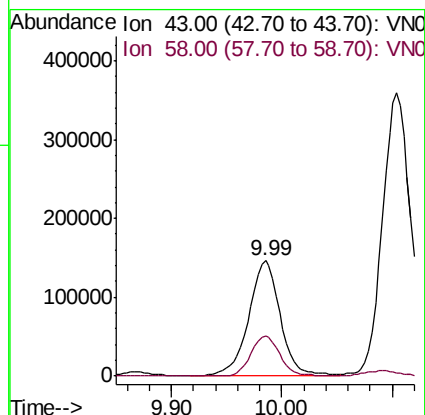
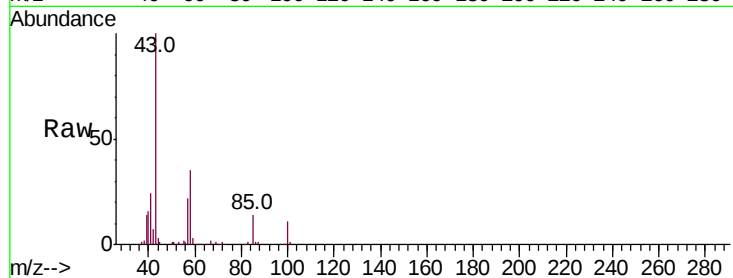
30099-30100-OW-6

Tot Ion: 43 Resp: 288697

Ion Ratio Lower Upper

43 100

58 32.5 31.8 47.6



#52

Toluene

Concen: 12.851 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054712.D

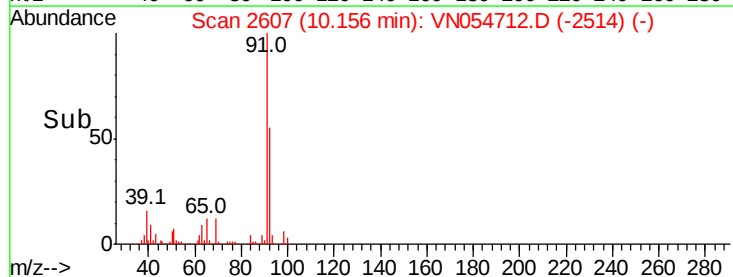
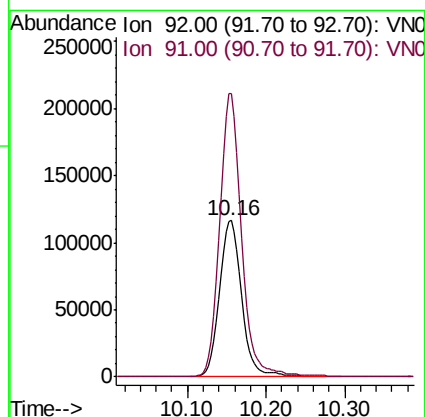
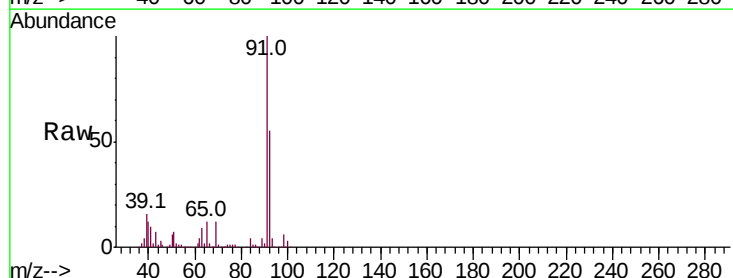
Acq: 27 Mar 2019 10:53

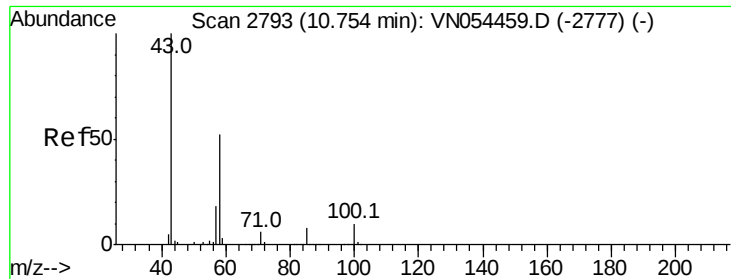
Tgt Ion: 92 Resp: 227765

Ion Ratio Lower Upper

92 100

91 177.1 140.7 211.1

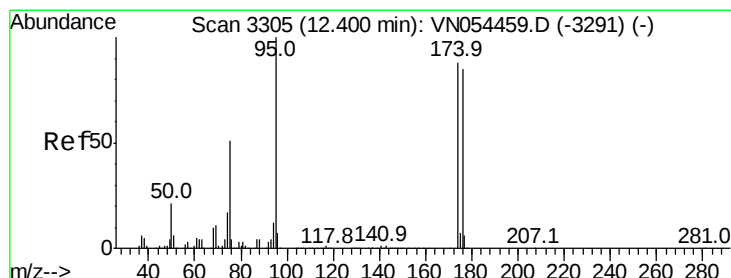
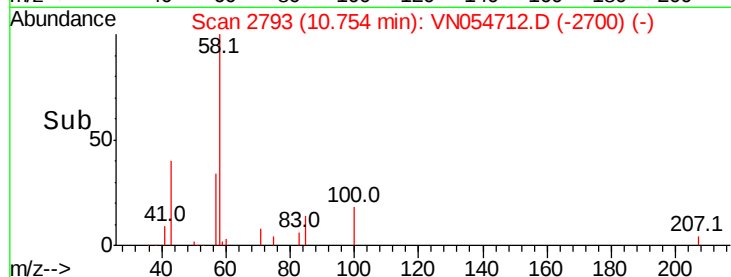
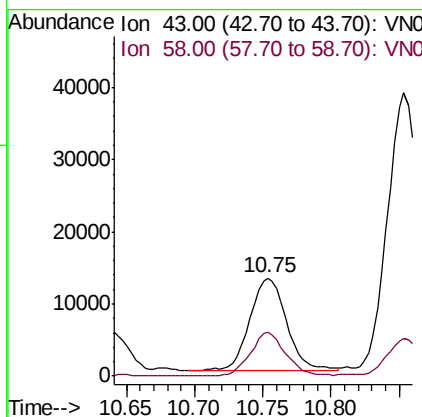
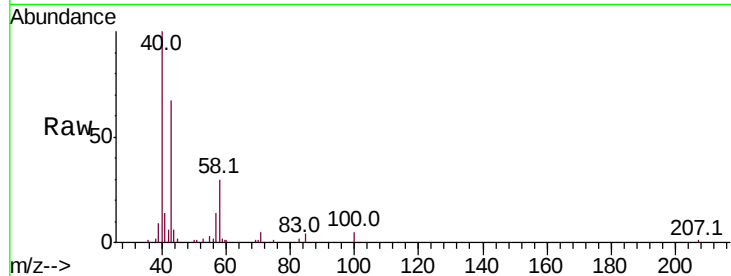




#59
2-Hexanone
Concen: 5.612 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

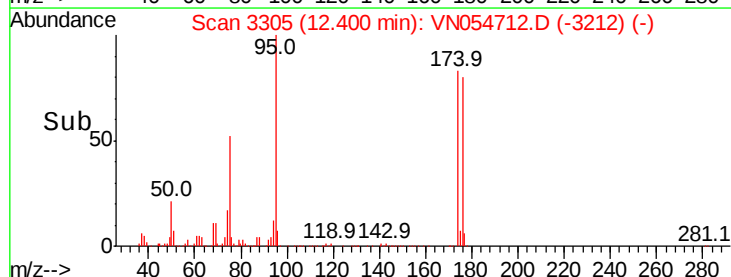
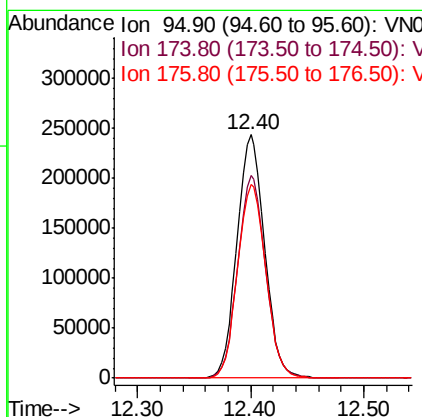
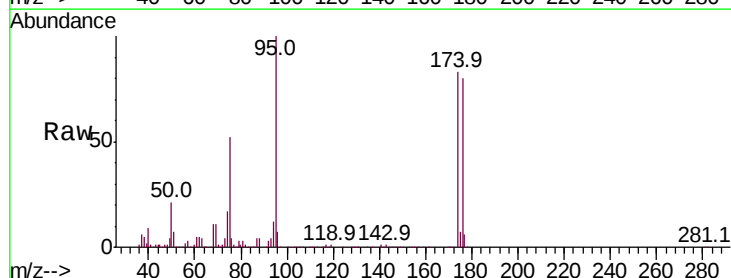
Instrument :
MSVOA_N
ClientSampleId :
30099-30100-OW-6

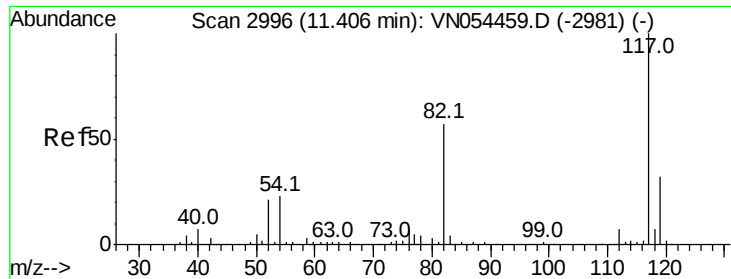
Tot Ion: 43 Resp: 24591
Ion Ratio Lower Upper
43 100
58 44.8 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 46.745 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Tgt Ion: 95 Resp: 415219
Ion Ratio Lower Upper
95 100
174 83.6 0.0 191.0
176 81.6 0.0 187.4

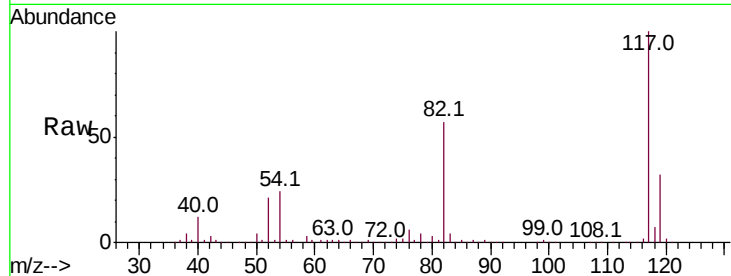




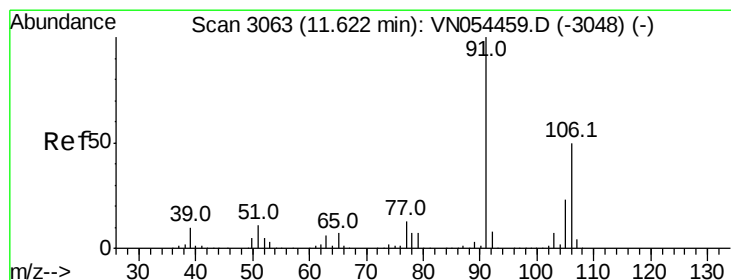
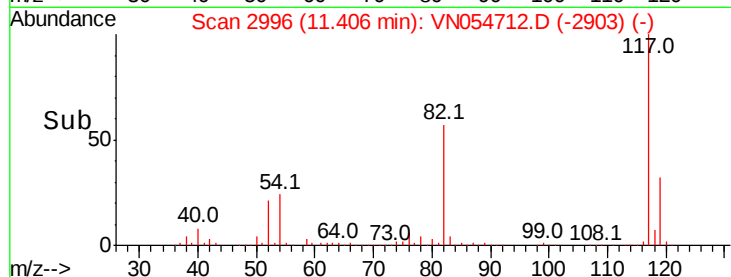
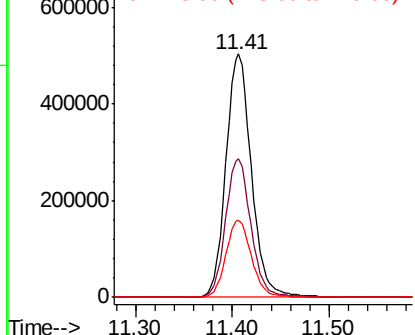
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
30099-30100-OW-6

Tot Ion:117 Resp: 922613
Ion Ratio Lower Upper
117 100
82 56.9 40.0 60.0
119 31.9 25.8 38.6

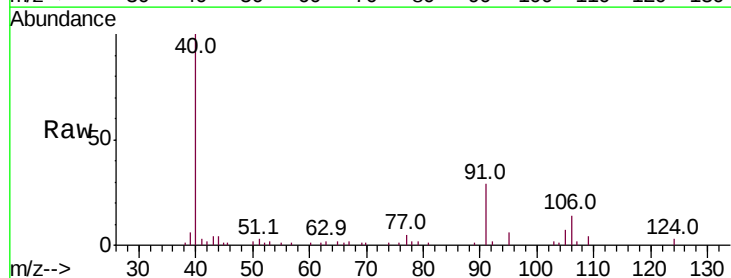


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

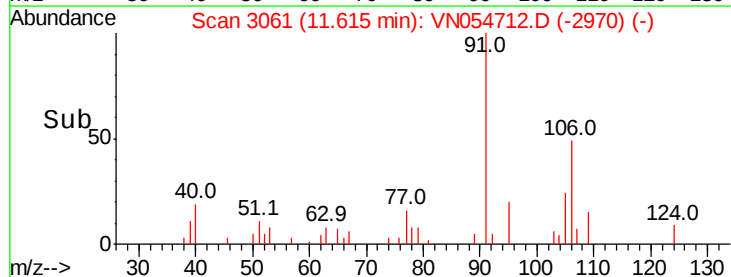
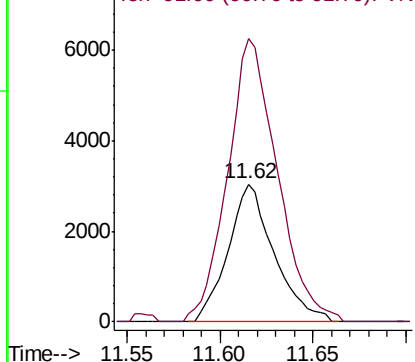


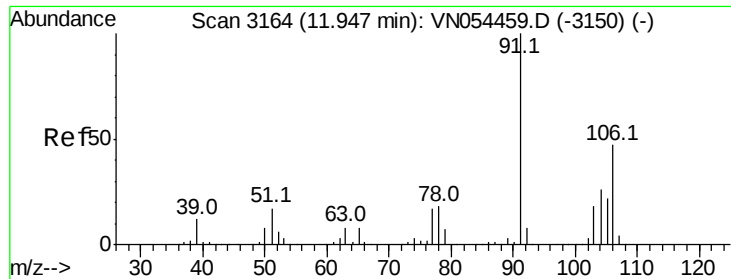
#68
m/p-Xylenes
Concen: 0.418 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Tgt Ion:106 Resp: 5253
Ion Ratio Lower Upper
106 100
91 222.1 159.4 239.2



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

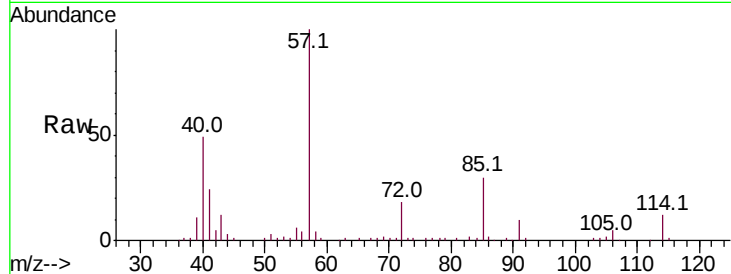




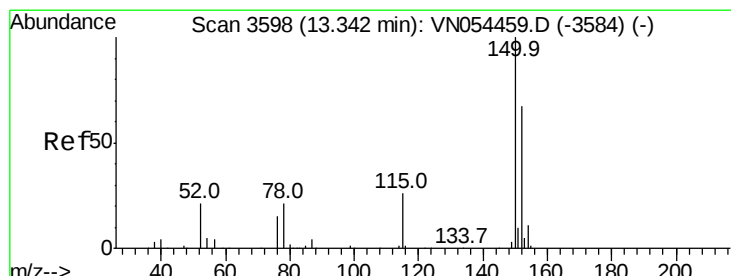
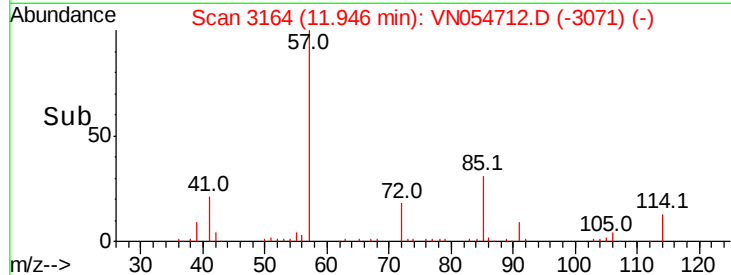
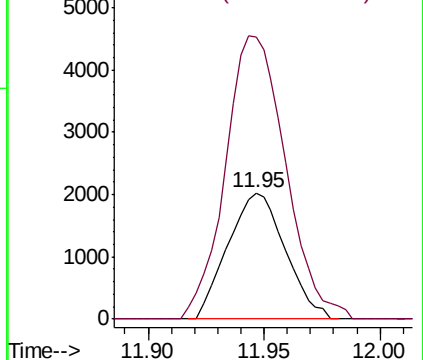
#69
o-Xylene
Concen: 0.283 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
30099-30100-OW-6

Tot Ion:106 Resp: 3470
Ion Ratio Lower Upper
106 100
91 235.8 105.7 317.1

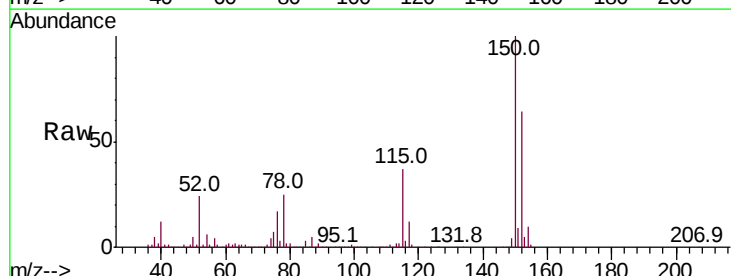


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

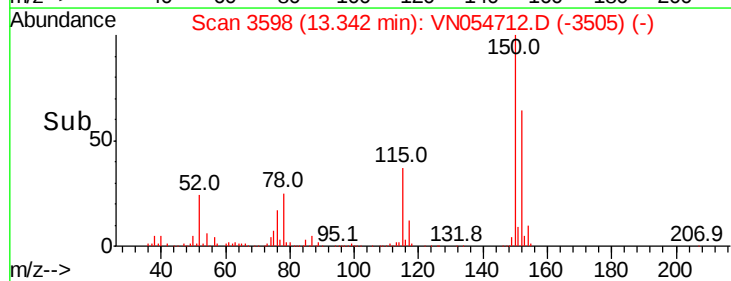
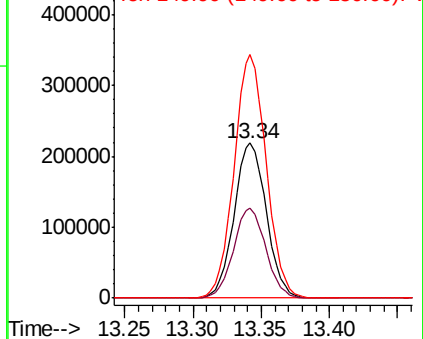


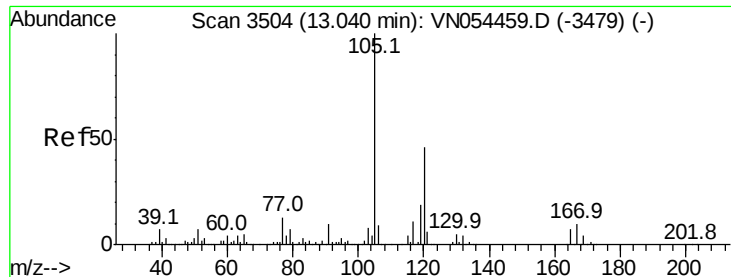
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Tgt Ion:152 Resp: 357917
Ion Ratio Lower Upper
152 100
115 57.9 27.2 81.6
150 157.1 0.0 349.2



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





#84

1,2,4-Trimethylbenzene

Concen: 0.520 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054712.D

Acq: 27 Mar 2019 10:53

Instrument :

MSVOA_N

ClientSampleId :

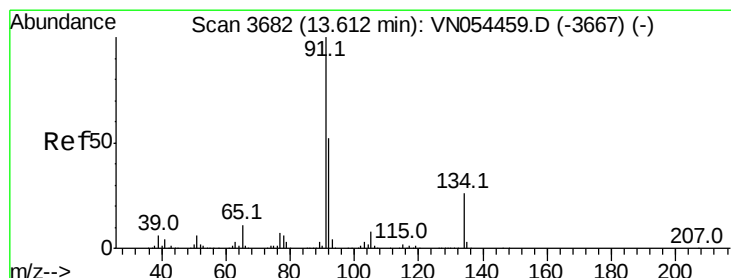
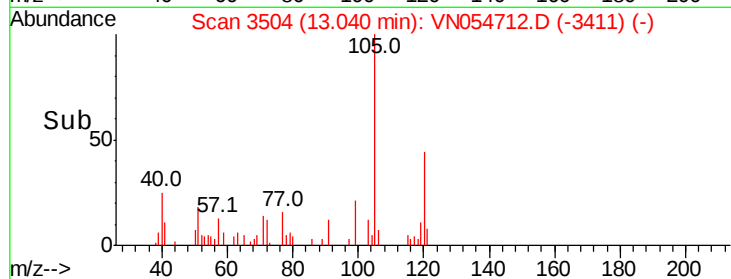
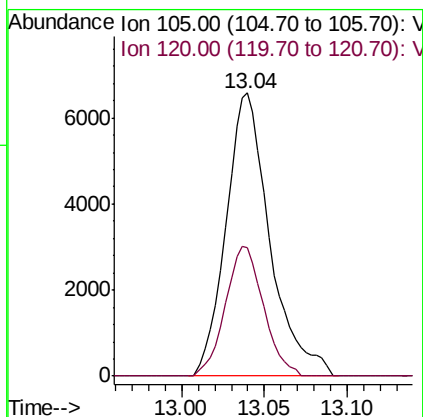
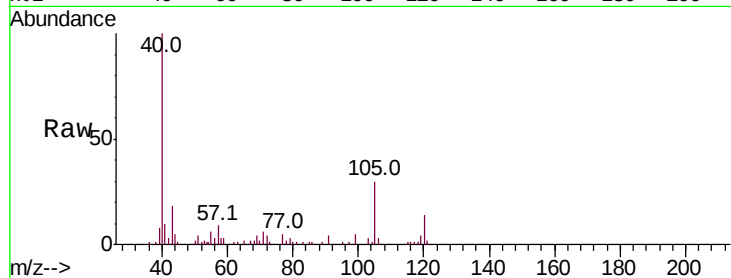
30099-30100-OW-6

Tot Ion:105 Resp: 12055

Ion Ratio Lower Upper

105 100

120 39.9 23.4 70.3



#89

n-Butylbenzene

Concen: 0.280 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN054712.D

Acq: 27 Mar 2019 10:53

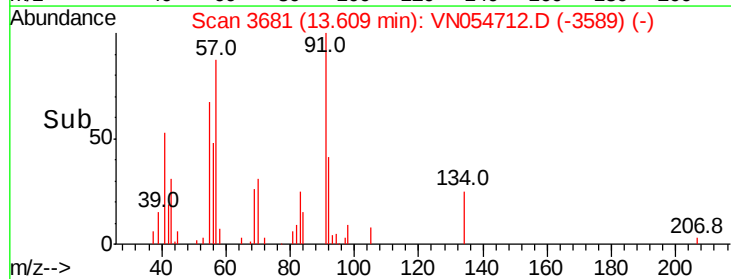
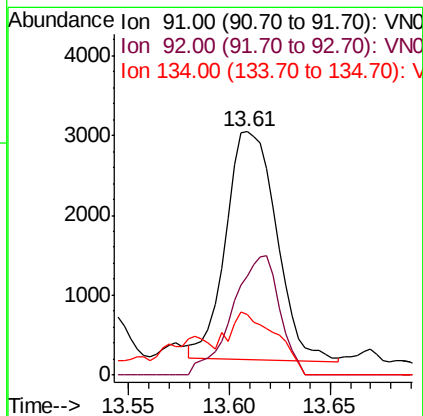
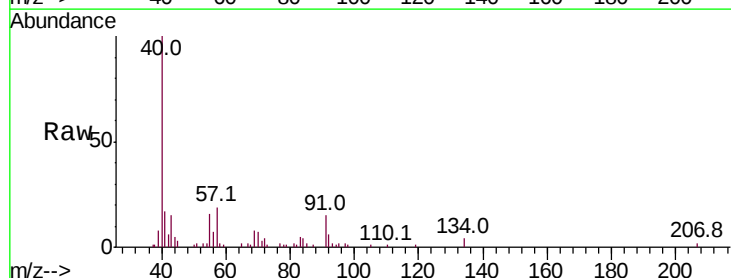
Tgt Ion: 91 Resp: 5020

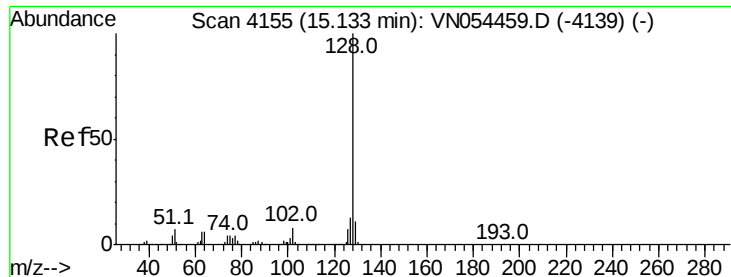
Ion Ratio Lower Upper

91 100

92 48.6 26.2 78.6

134 26.6 14.3 42.9

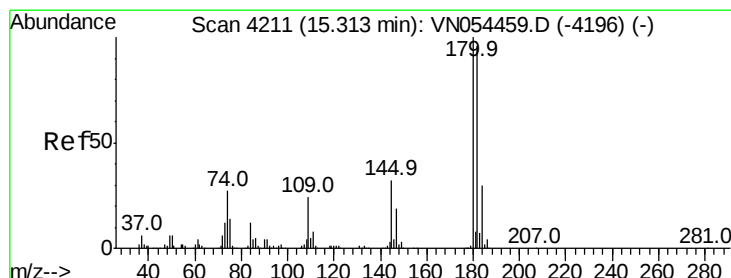
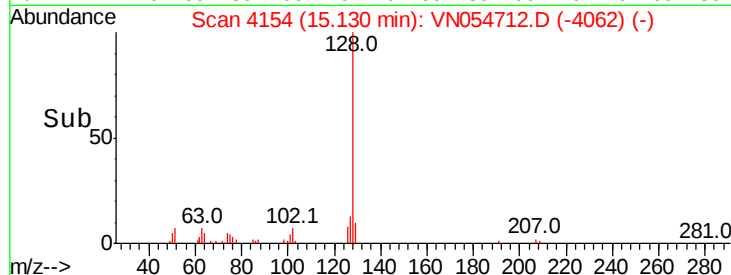
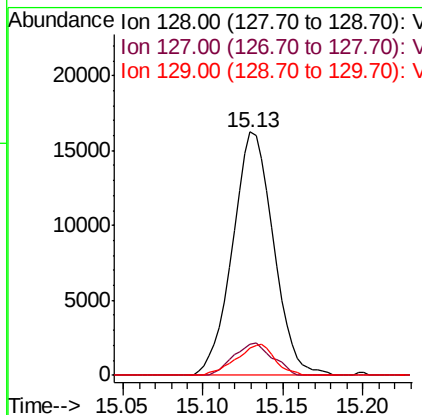
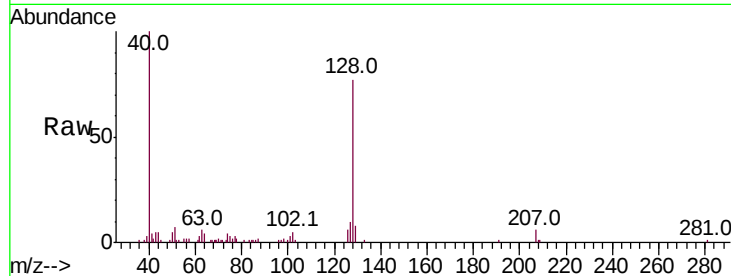




#95
Naphthalene
Concen: 2.217 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Instrument :
MSVOA_N
ClientSampleId :
30099-30100-OW-6

Tot Ion:128 Resp: 28302
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.665 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054712.D
Acq: 27 Mar 2019 10:53

Tgt Ion:180 Resp: 3789
Ion Ratio Lower Upper
180 100
182 89.1 47.5 142.6
145 34.5 14.8 44.3

