

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053047.D
 Acq On : 20 Dec 2018 11:01
 Operator : MD\SY
 Sample : J6452-01ME
 Misc : 8.01g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 00:14:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1139982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1724135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	742940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	535570	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	7.59	113	423507	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
50) Toluene-d8	10.09	98	2156629	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	776332	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.95	142	3283	0.208	ug/l #	73
13) Acrolein	3.60	56	384	0.600	ug/l #	51
16) Acetone	3.82	43	5772	2.545	ug/l	97
17) Carbon Disulfide	4.05	76	10661	0.301	ug/l	98
18) Methyl Acetate	4.33	43	17729	2.680	ug/l #	70
20) Methylene Chloride	4.54	84	3248	0.263	ug/l #	86
25) 2-Butanone	6.84	43	1786	0.469	ug/l #	49
29) Tetrahydrofuran	7.21	42	1588	0.559	ug/l #	89
31) Cyclohexane	7.65	56	56914	1.830	ug/l #	77
36) 1,1-Dichloropropene	7.66	75	74415	4.497	ug/l #	49
38) Carbon Tetrachloride	7.66	117	97160	6.405	ug/l #	16
39) Methylcyclohexane	9.08	83	162073	8.062	ug/l	99
40) Benzene	8.04	78	447674	9.095	ug/l	100
43) Isopropyl Acetate	8.21	43	71233	3.003	ug/l #	53
48) Methyl methacrylate	9.14	41	14362	1.602	ug/l #	43
51) 4-Methyl-2-Pentanone	10.02	43	13884	1.552	ug/l	89
52) Toluene	10.15	92	8700	0.285	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	34533	3.244	ug/l #	20
56) Ethyl methacrylate	10.43	69	14584	1.035	ug/l #	1
59) 2-Hexanone	10.72	43	107278	17.723	ug/l #	28
65) Chlorobenzene	11.43	112	13474293	379.244	ug/l	98
67) Ethyl Benzene	11.51	91	192061	3.143	ug/l	95
68) m/p-Xylenes	11.62	106	18236	0.785	ug/l	83
69) o-Xylene	11.95	106	93782	4.208	ug/l	98
70) Styrene	11.96	104	10895	0.300	ug/l #	1
71) Bromoform	12.40	173	4230	0.474	ug/l #	1
73) Isopropylbenzene	12.25	105	129620	2.230	ug/l	100
74) N-amyl acetate	12.04	43	836820	51.852	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.47	83	64622	5.667	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	342653	27.398	ug/l #	100
78) n-propylbenzene	12.59	91	464888	7.022	ug/l	100
79) 2-Chlorotoluene	12.68	91	43583	1.062	ug/l	72
80) 1,3,5-Trimethylbenzene	12.73	105	36217	0.764	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	342653	88.306	ug/l #	15

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

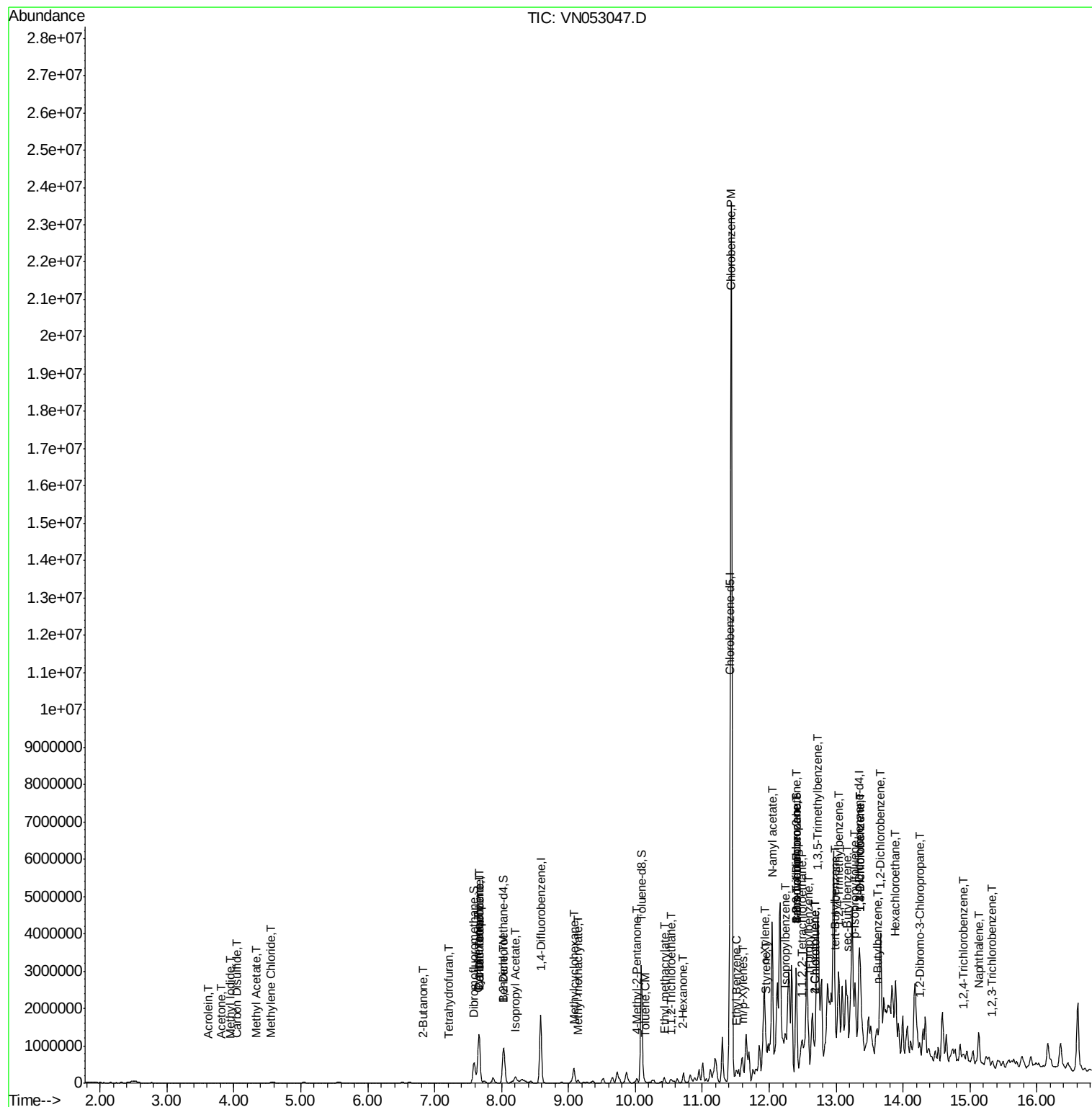
82) 4-Chlorotoluene	12.68	91	44385	1.105	ug/l	79
83) tert-Butylbenzene	12.99	119	28940	0.691	ug/l	87
84) 1,2,4-Trimethylbenzene	13.04	105	779512	16.366	ug/l	99
85) sec-Butylbenzene	13.17	105	280425	4.948	ug/l #	65
86) p-Isopropyltoluene	13.29	119	126361	2.580	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	575693	21.527	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	575693	21.257	ug/l	90
89) n-Butylbenzene	13.62	91	280535	6.658	ug/l #	86
90) Hexachloroethane	13.89	117	49737	6.618	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	12260	0.487	ug/l #	72
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1539	0.780	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	18844	1.992	ug/l #	1
94) Hexachlorobutadiene	15.01	225	3144	Below Cal		97
95) Naphthalene	15.13	128	653240	22.997	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	13267	1.602	ug/l #	69

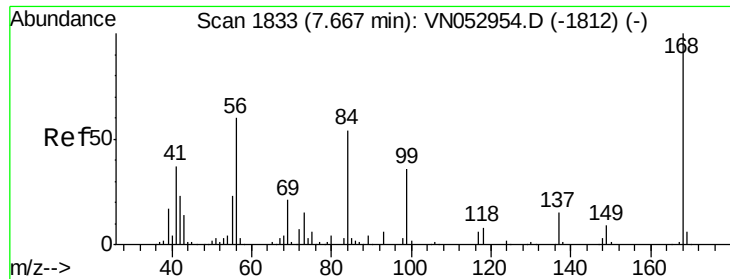
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053047.D

Acq: 20 Dec 2018 11:01

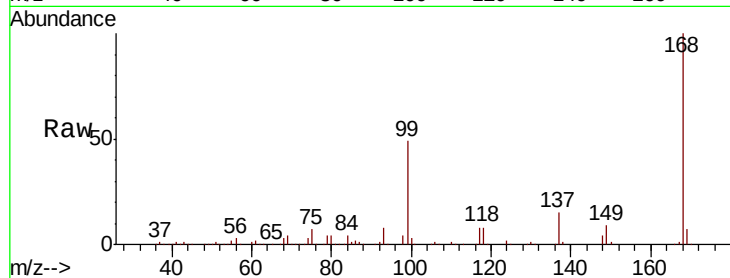
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1139982

Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

500000

400000

300000

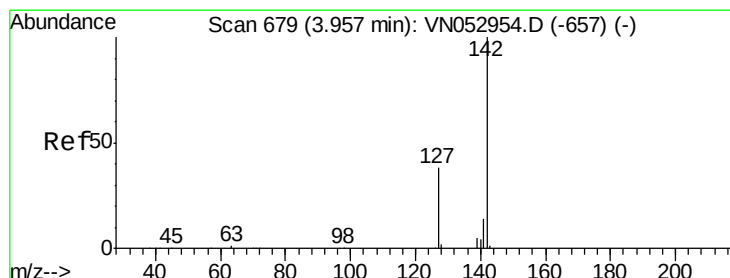
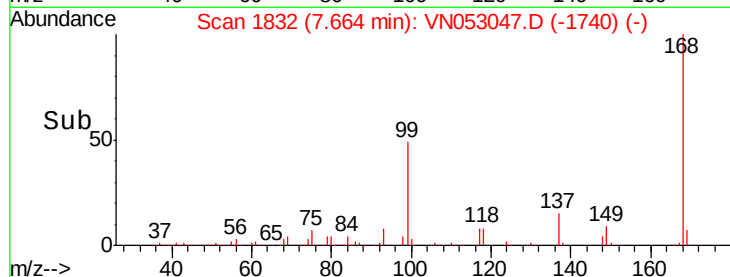
200000

100000

0

Time-->

7.60 7.70 7.80



#10

Methyl Iodide

Concen: 0.208 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.01 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

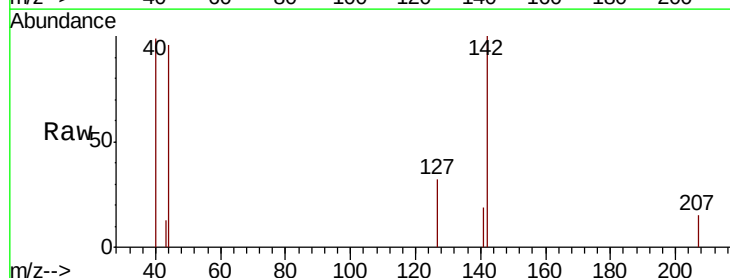
Tgt Ion:142 Resp: 3283

Ion Ratio Lower Upper

142 100

127 21.7 31.0 46.6#

141 4.1 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1500

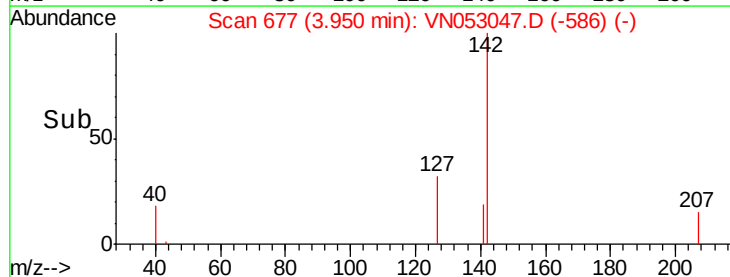
1000

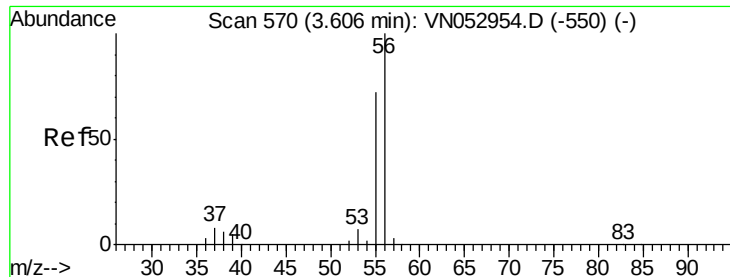
500

0

Time-->

3.90 3.95 4.00

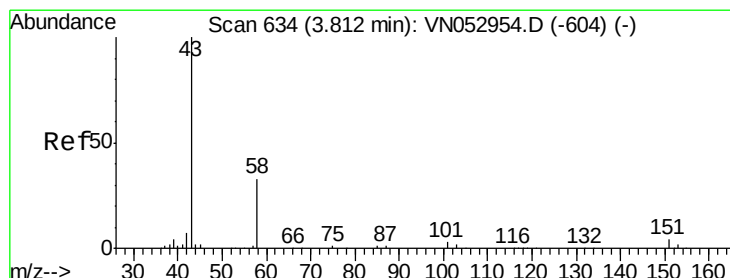
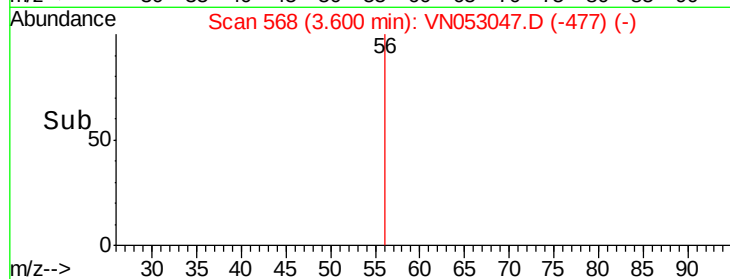
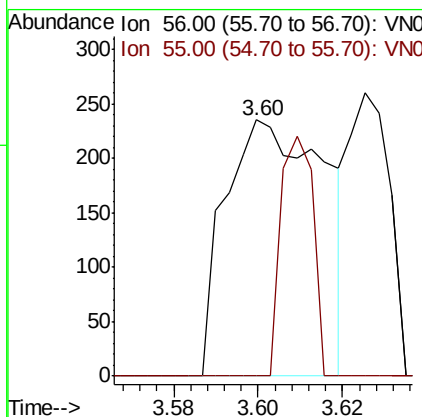
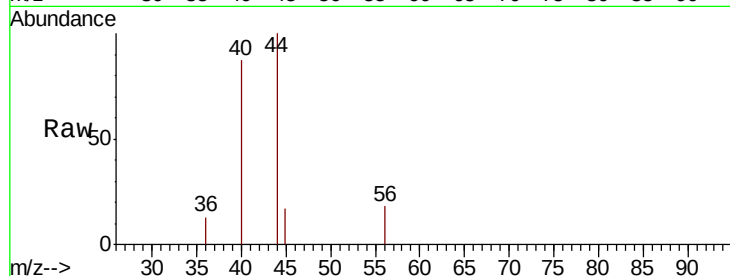




#13
Acrolein
Concen: 0.600 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.01 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

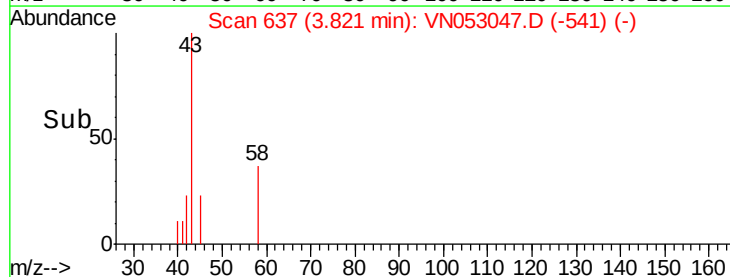
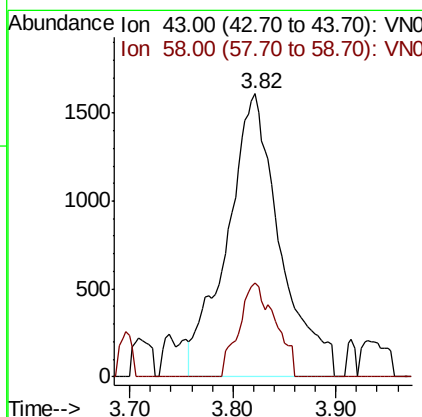
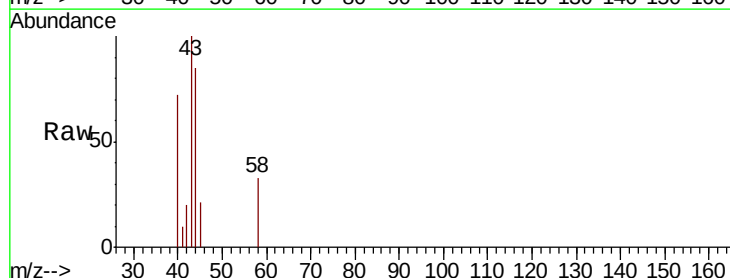
Instrument :
MSVOA_N
ClientSampled :

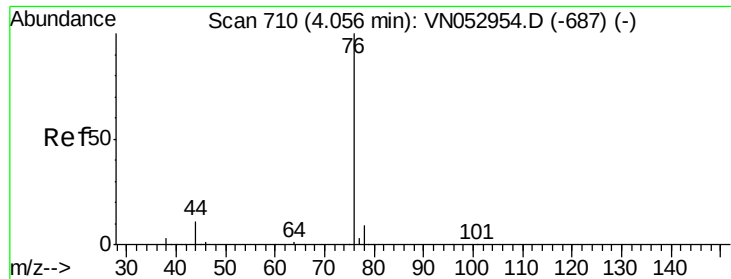
Tot Ion: 56 Resp: 384
Ion Ratio Lower Upper
56 100
55 30.2 56.6 85.0#



#16
Acetone
Concen: 2.545 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 43 Resp: 5772
Ion Ratio Lower Upper
43 100
58 33.4 25.4 38.0

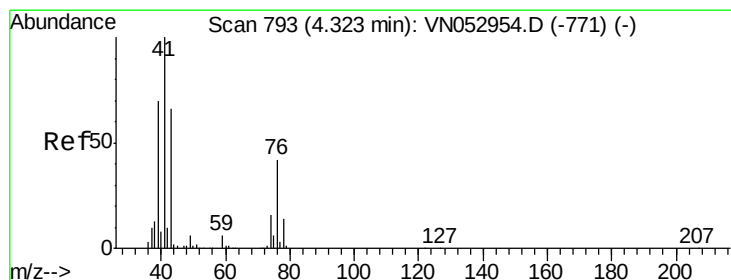
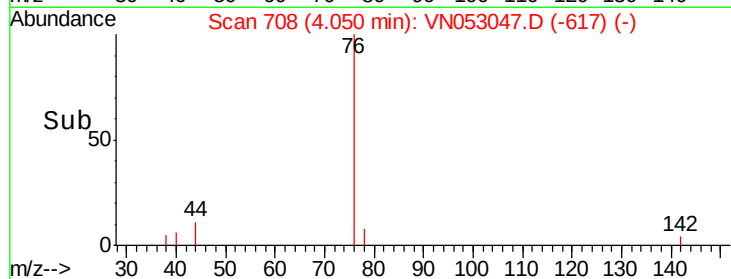
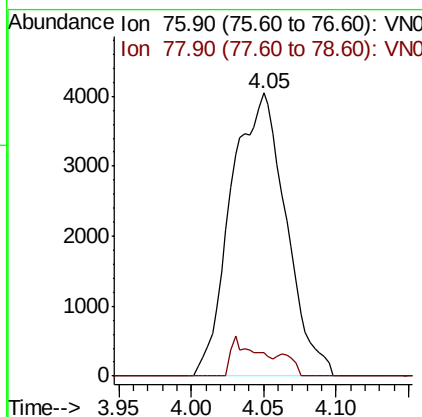
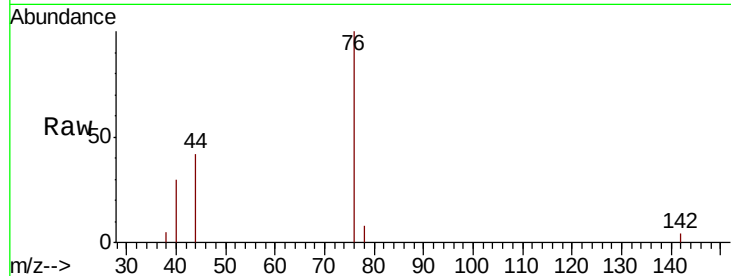




#17
Carbon Disulfide
Concen: 0.301 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

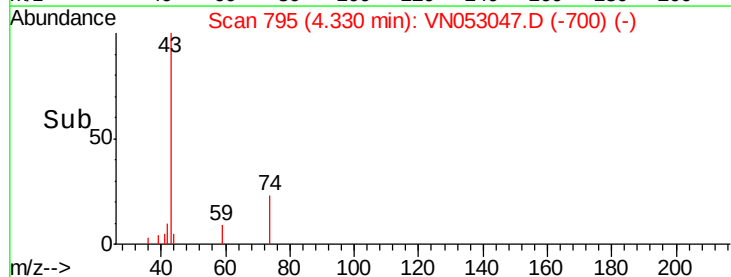
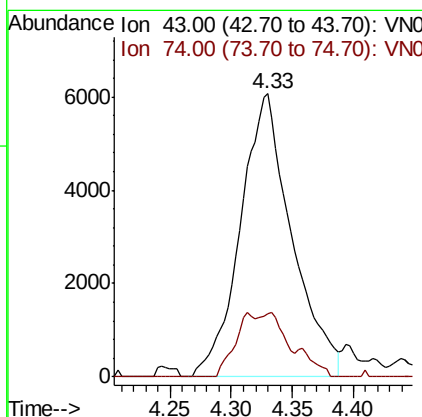
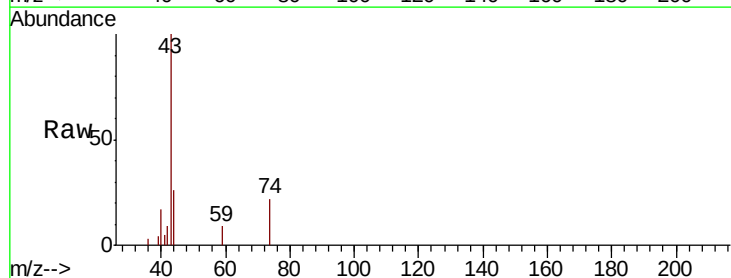
Instrument :
MSVOA_N
ClientSampleId :

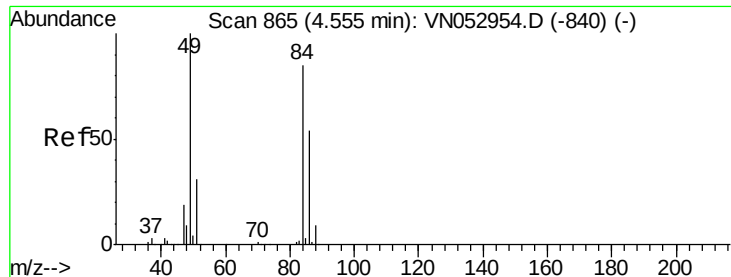
Tot Ion: 76 Resp: 10661
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#18
Methyl Acetate
Concen: 2.680 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 43 Resp: 17729
Ion Ratio Lower Upper
43 100
74 9.3 19.2 28.8#

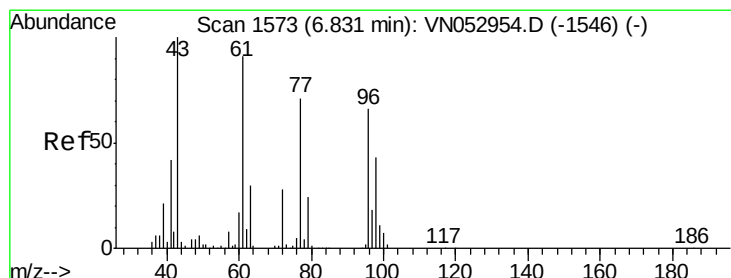
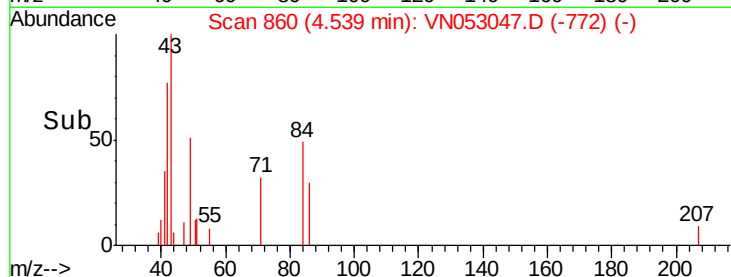
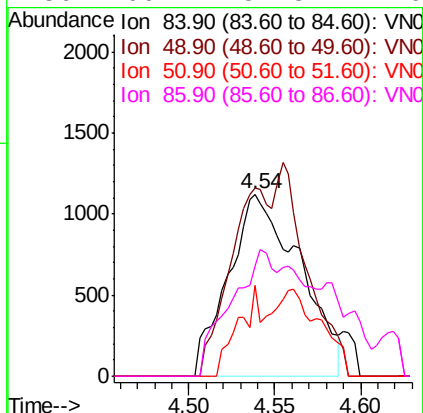
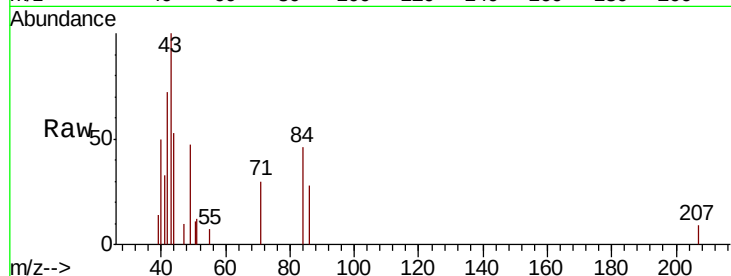




#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.02 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

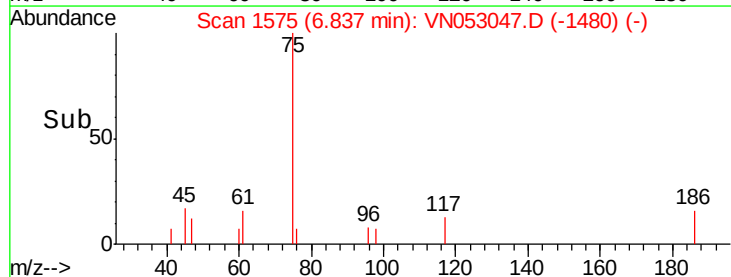
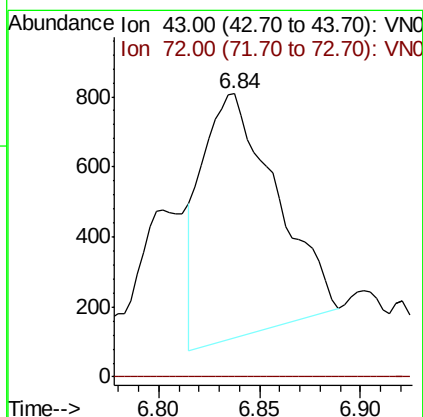
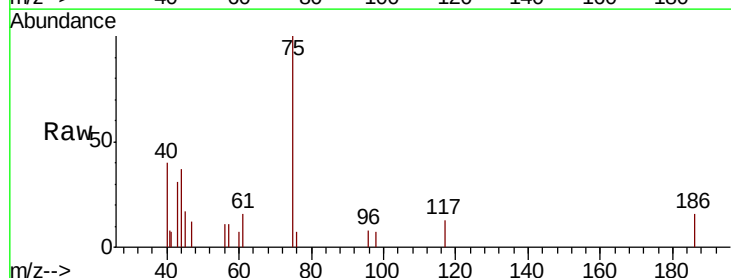
Instrument :
MSVOA_N
ClientSampleId :

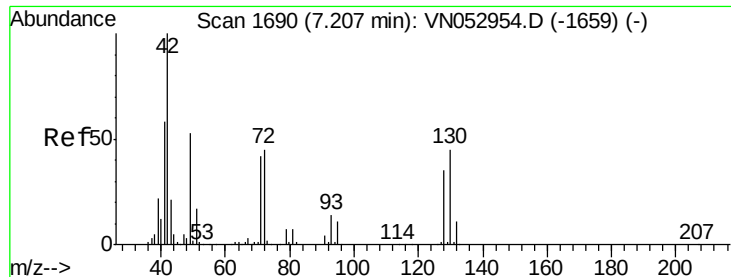
Tot Ion: 84 Resp: 3248
Ion Ratio Lower Upper
84 100
49 103.6 96.8 145.2
51 50.2 29.9 44.9#
86 60.2 51.8 77.6



#25
2-Butanone
Concen: 0.469 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

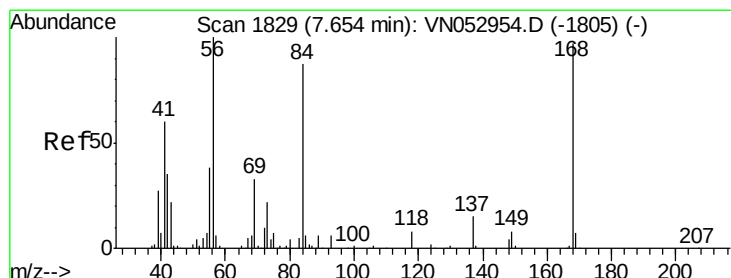
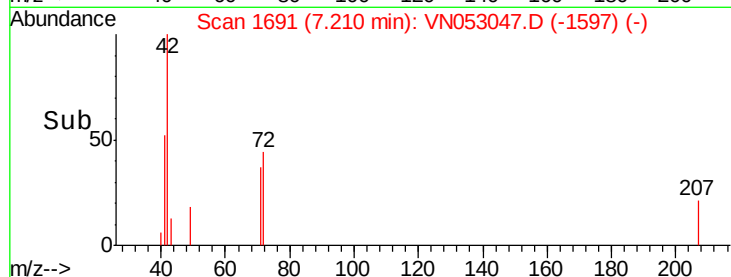
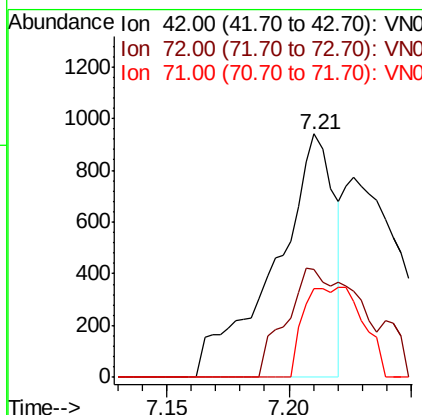
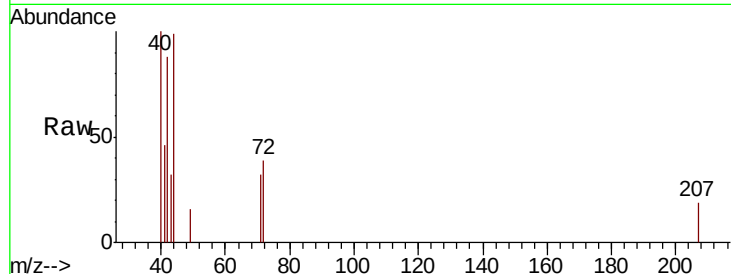




#29
Tetrahydrofuran
Concen: 0.559 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

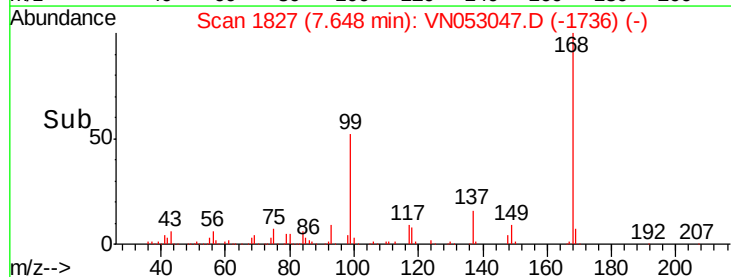
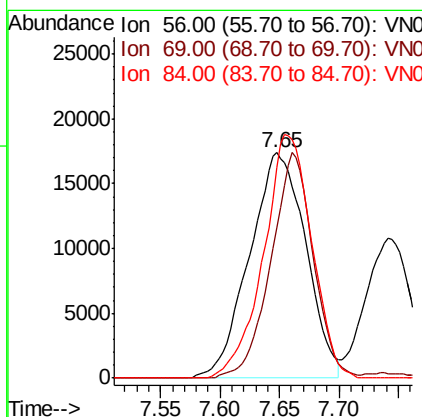
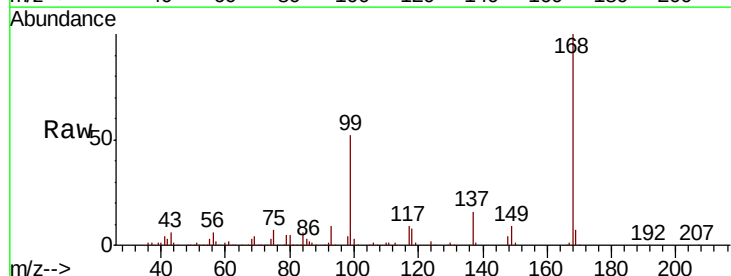
Instrument :
MSVOA_N
ClientSampleId :

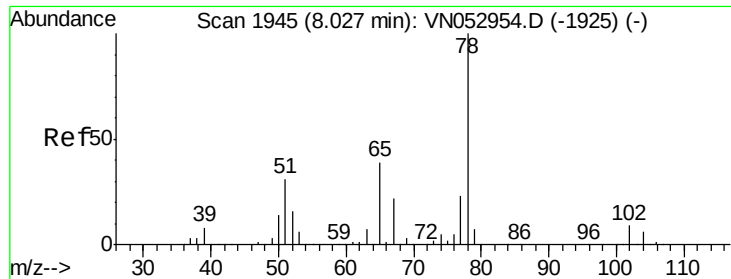
Tot Ion: 42 Resp: 1588
Ion Ratio Lower Upper
42 100
72 53.6 34.7 52.1#
71 36.8 32.3 48.5



#31
Cyclohexane
Concen: 1.830 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.01 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 56 Resp: 56914
Ion Ratio Lower Upper
56 100
69 66.9 26.6 39.8#
84 93.4 68.4 102.6

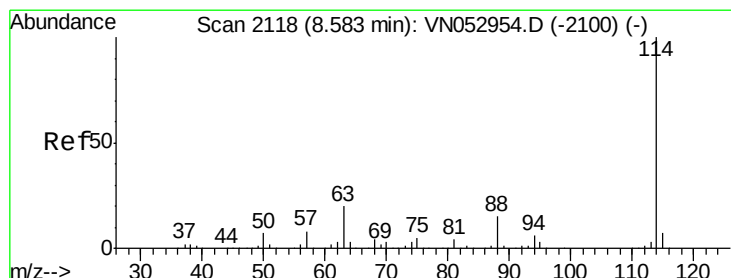
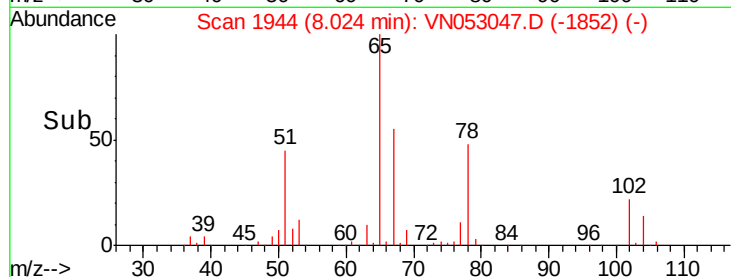
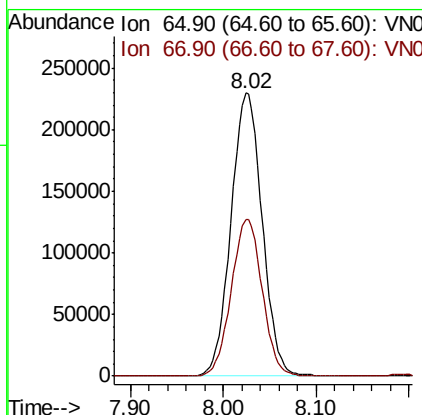
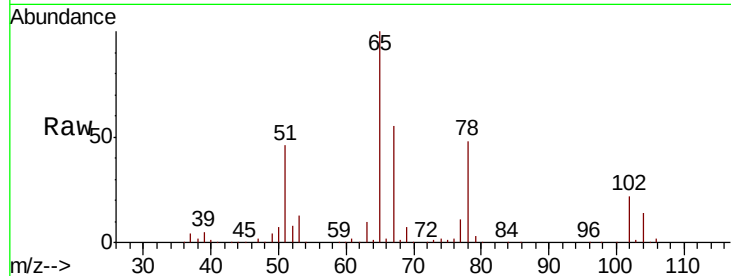




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

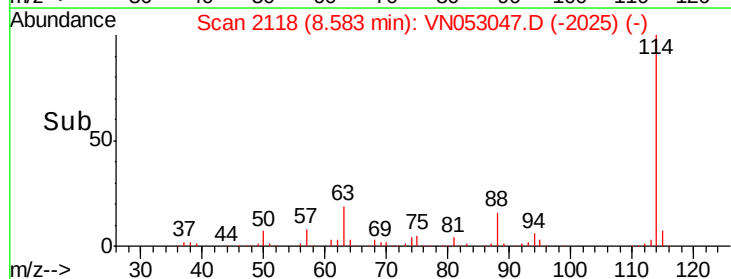
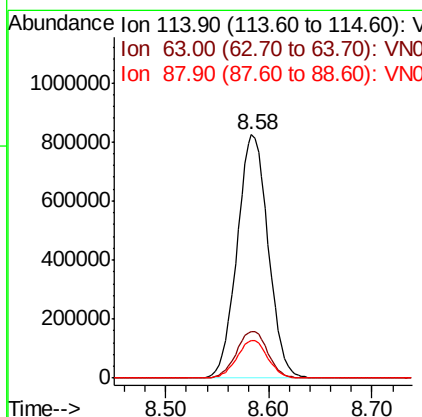
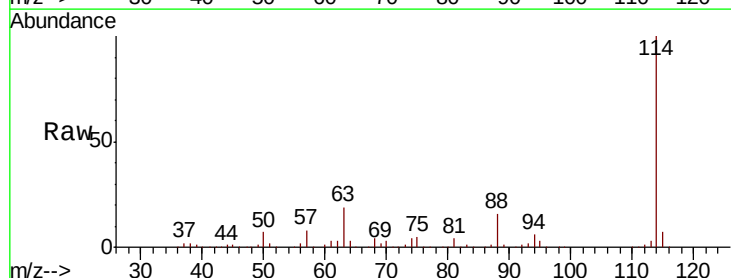
Instrument :
 MSVOA_N
 ClientSampleId :

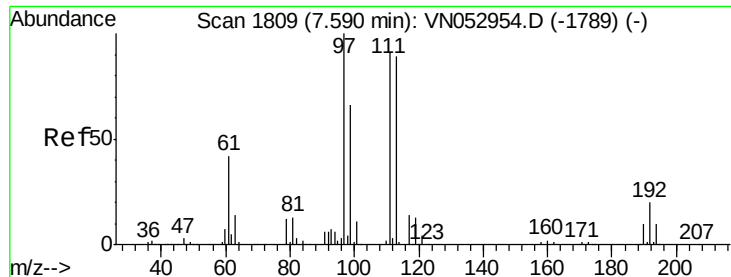
Tot Ion: 65 Resp: 535570
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Tgt Ion: 114 Resp: 1724135
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.5 0.0 31.0

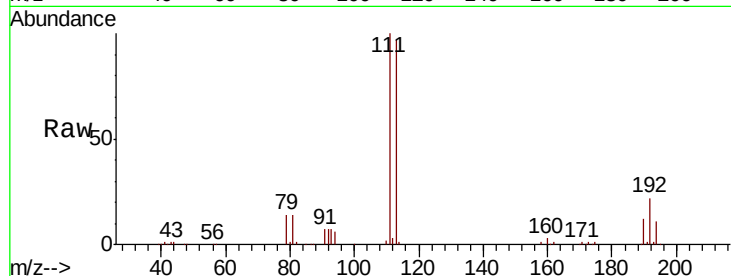




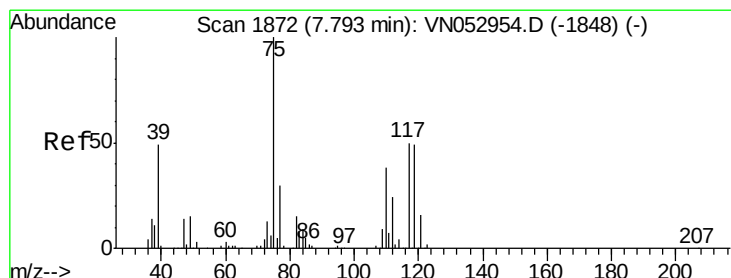
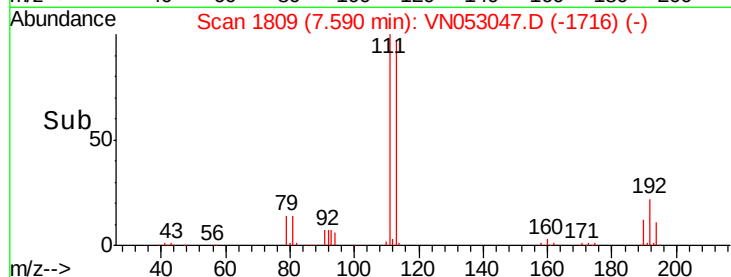
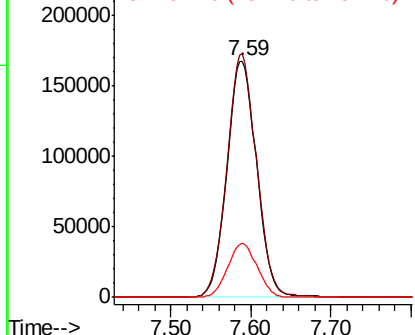
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	22.7	17.5	26.3

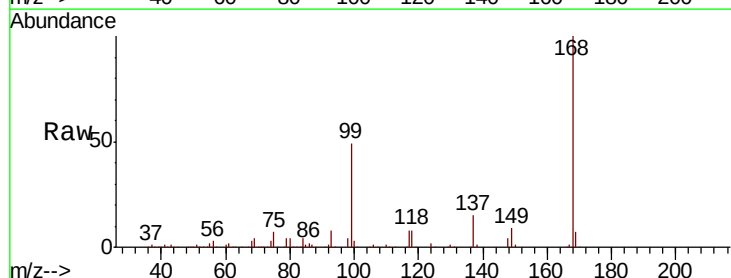


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

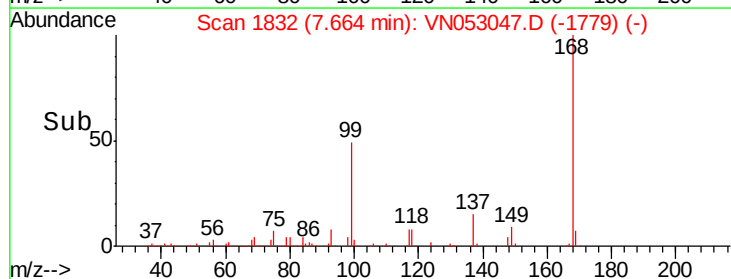
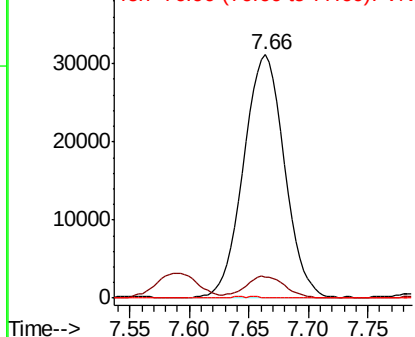


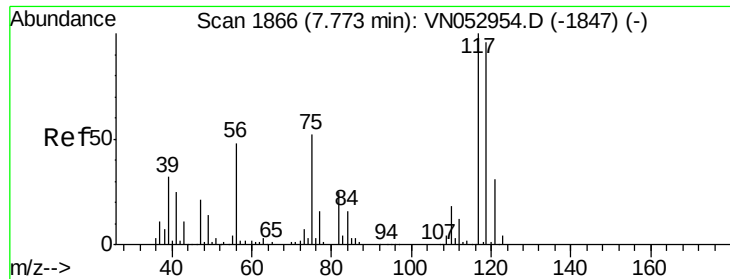
#36
 1,1-Dichloropropene
 Concen: 4.497 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.405 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

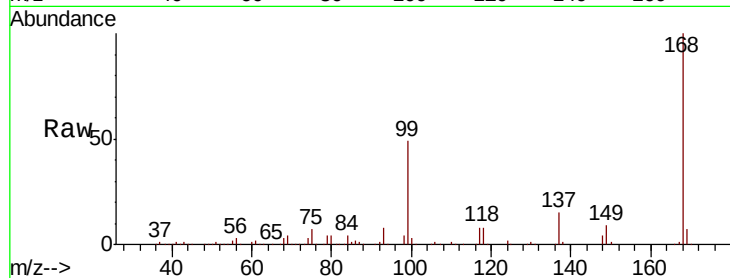
Tot Ion:117 Resp: 97160

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

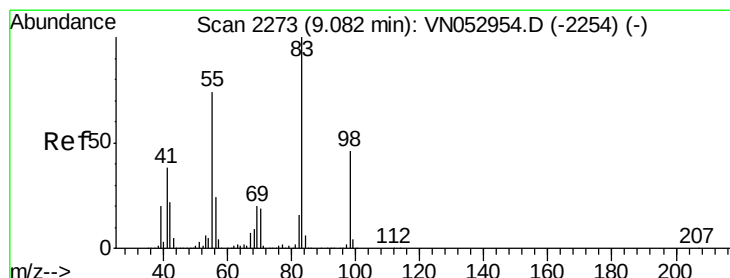
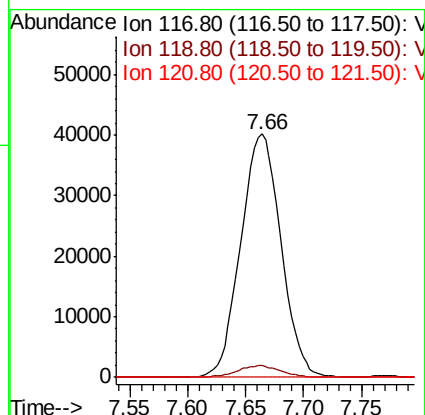
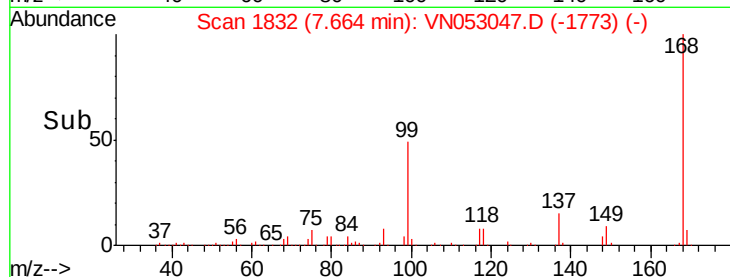
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 8.062 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

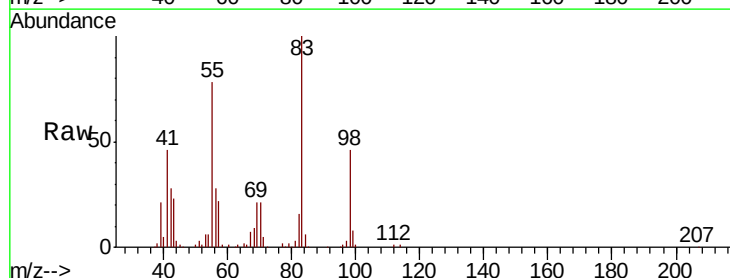
Tgt Ion: 83 Resp: 162073

Ion Ratio Lower Upper

83 100

55 78.1 61.3 91.9

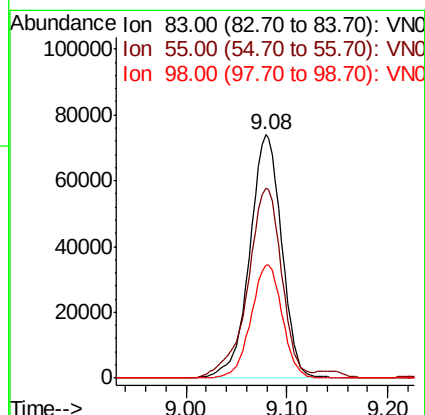
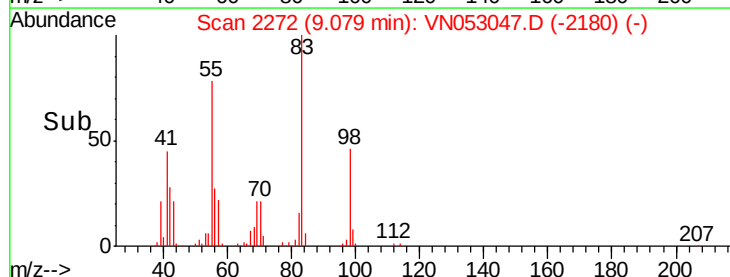
98 46.2 37.0 55.4

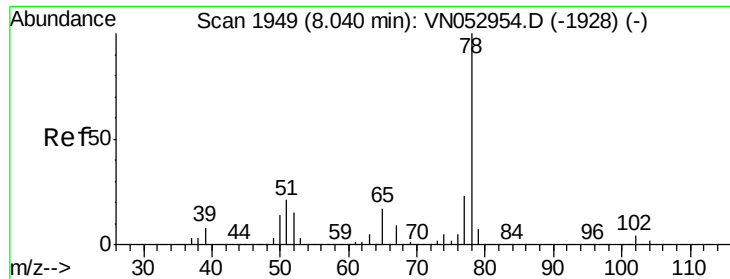


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 9.095 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

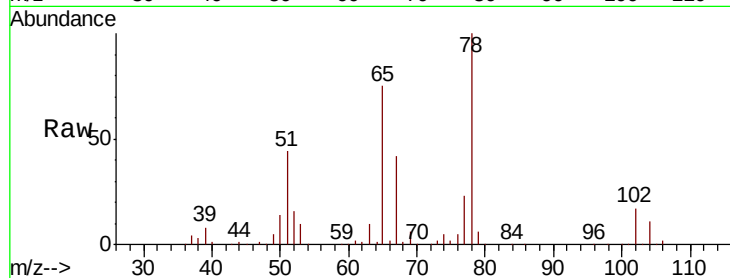
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 447674

Ion Ratio Lower Upper

78 100

77 23.0 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN052954.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-1928) (-)

8.04

200000

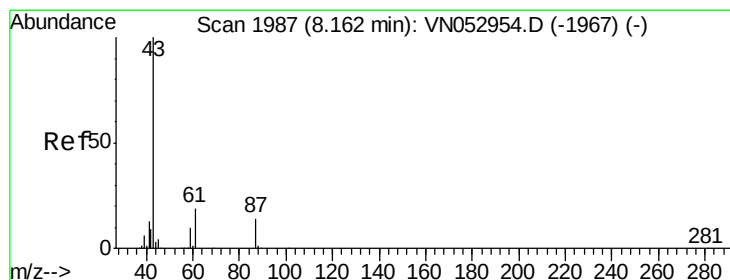
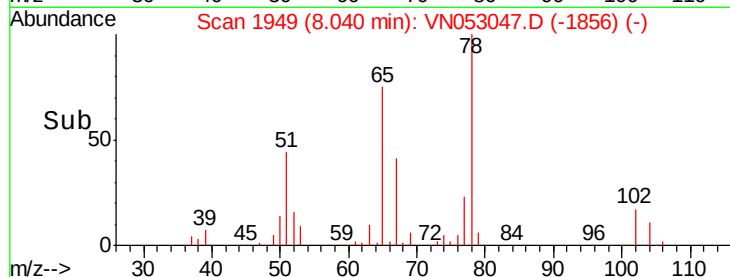
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 3.003 ug/l

RT: 8.21 min Scan# 2002

Delta R.T. 0.05 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

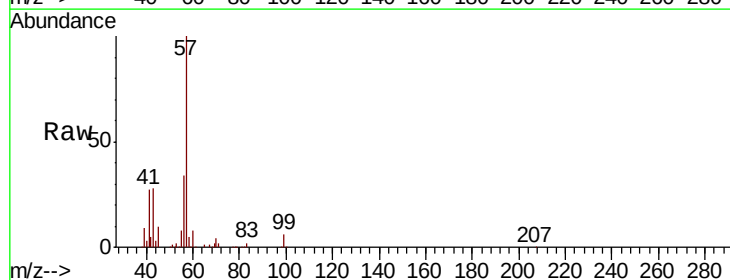
Tgt Ion: 43 Resp: 71233

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

8.21

20000

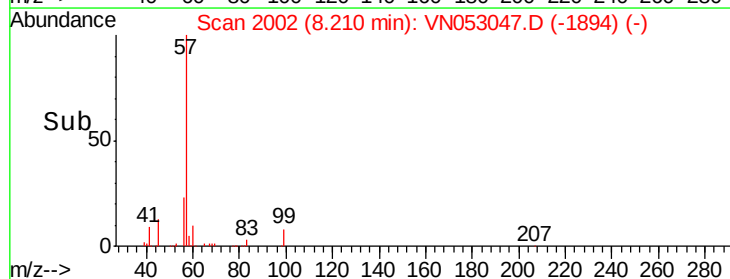
15000

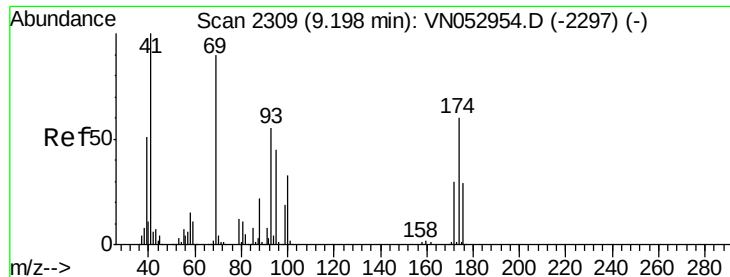
10000

5000

0

Time-->

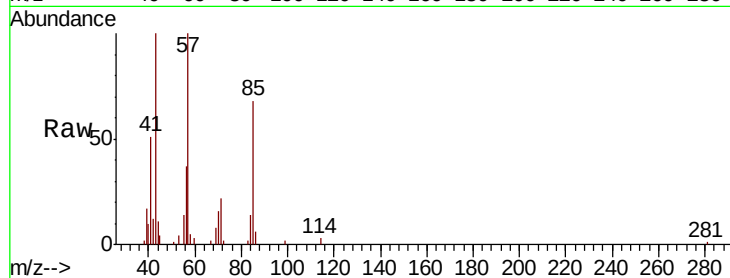




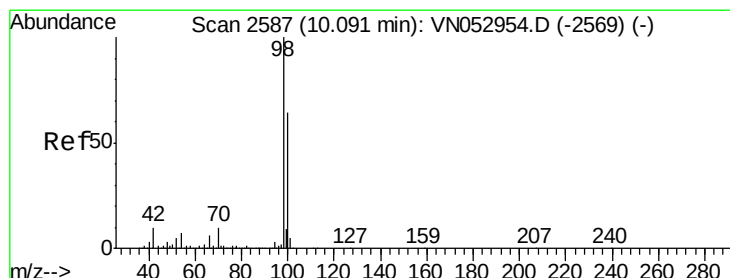
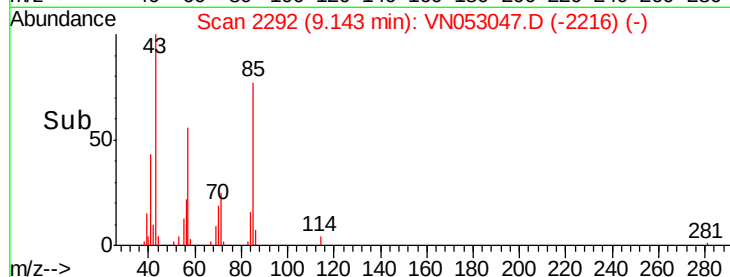
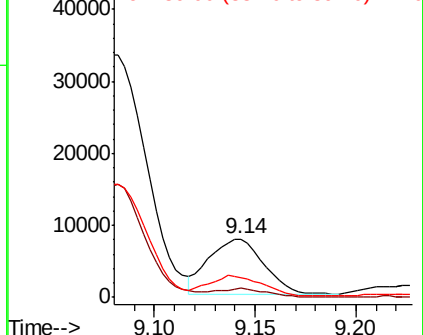
#48
Methvl methacrylate
Concen: 1.602 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.05 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 14362
Ion Ratio Lower Upper
41 100
69 13.9 72.2 108.2#
39 41.8 41.9 62.9#

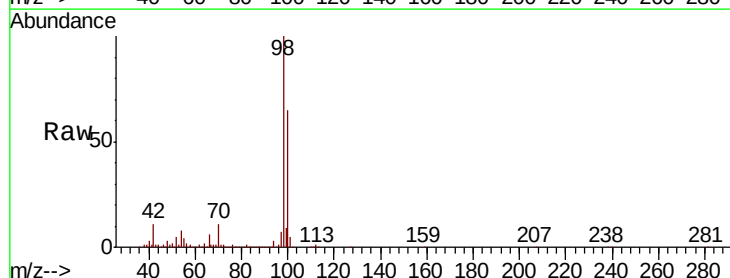


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

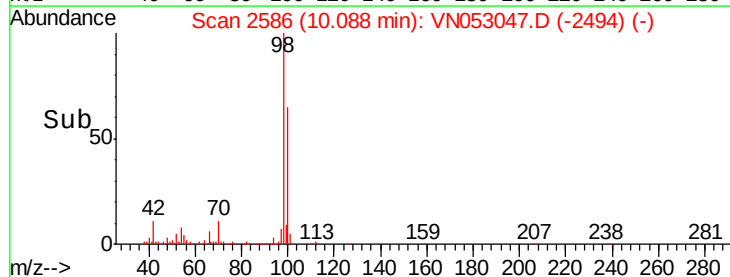
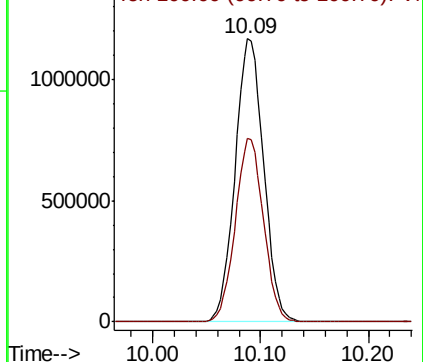


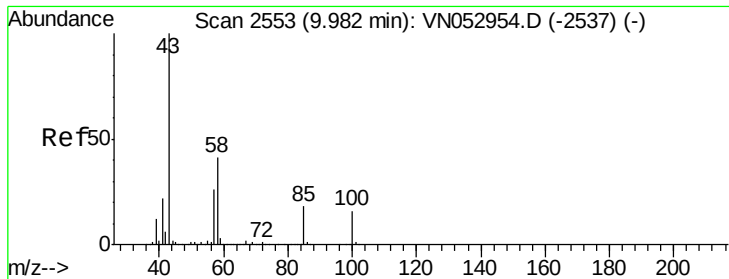
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 98 Resp: 2156629
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.552 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

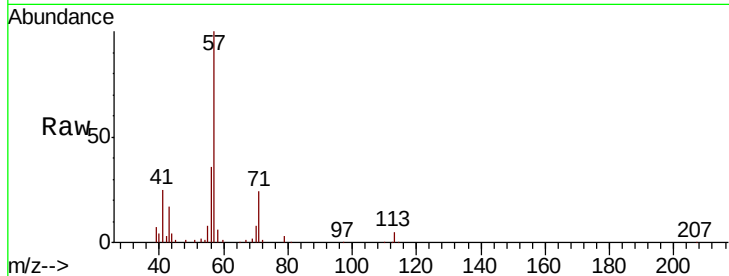
ClientSampled :

Tot Ion: 43 Resp: 13884

Ion Ratio Lower Upper

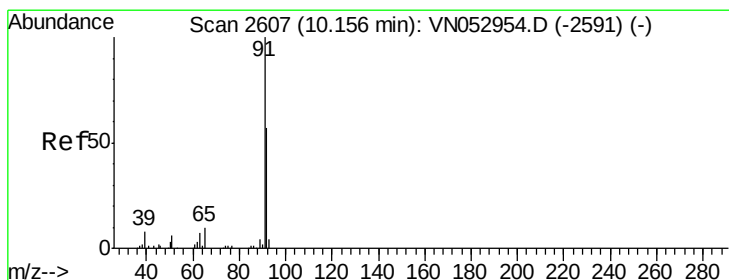
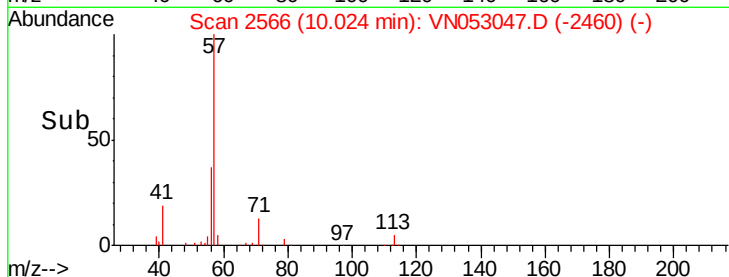
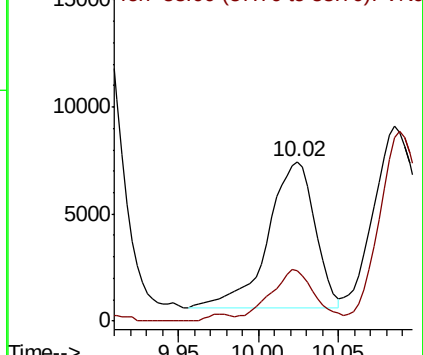
43 100

58 33.4 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN053047.D (-2566) (-)

Ion 58.00 (57.70 to 58.70): VN053047.D (-2566) (-)



#52

Toluene

Concen: 0.285 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053047.D

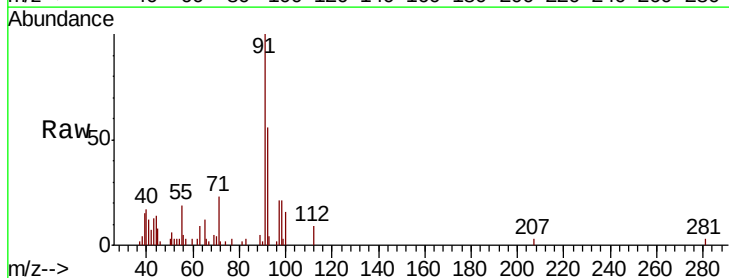
Acq: 20 Dec 2018 11:01

Tgt Ion: 92 Resp: 8700

Ion Ratio Lower Upper

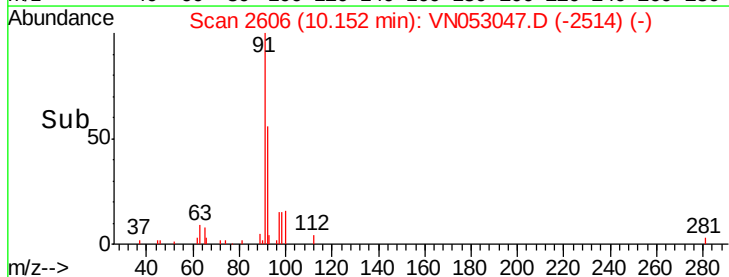
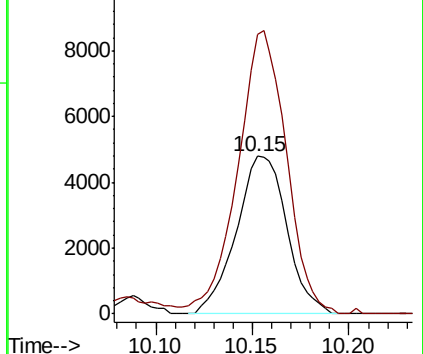
92 100

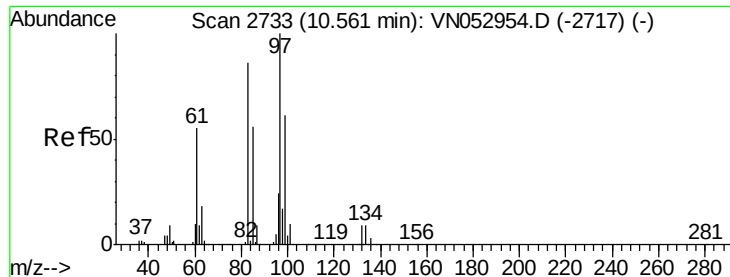
91 173.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN053047.D (-2606) (-)

Ion 91.00 (90.70 to 91.70): VN053047.D (-2606) (-)





#55

1,1,2-Trichloroethane

Concen: 3.244 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 34533

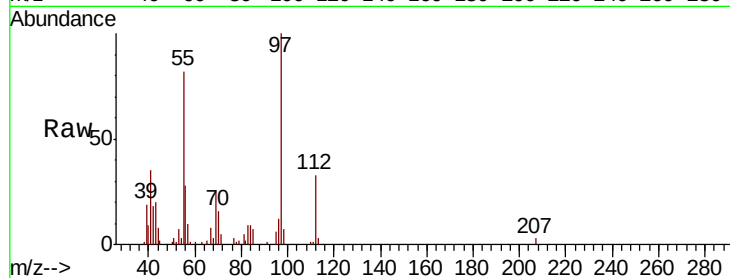
Ion Ratio Lower Upper

97 100

83 8.8 70.9 106.3#

85 6.3 45.4 68.2#

99 0.0 50.4 75.6#



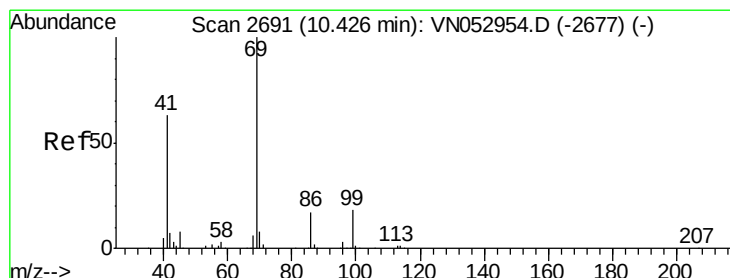
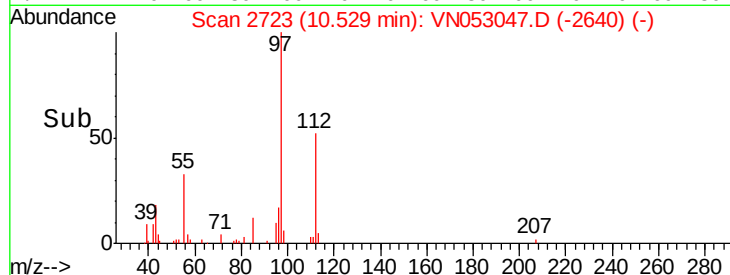
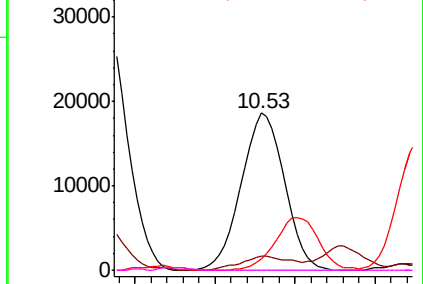
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 1.035 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

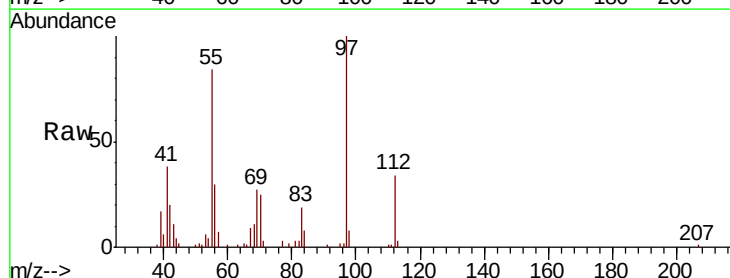
Tgt Ion: 69 Resp: 14584

Ion Ratio Lower Upper

69 100

41 162.1 51.7 77.5#

39 63.5 24.6 37.0#

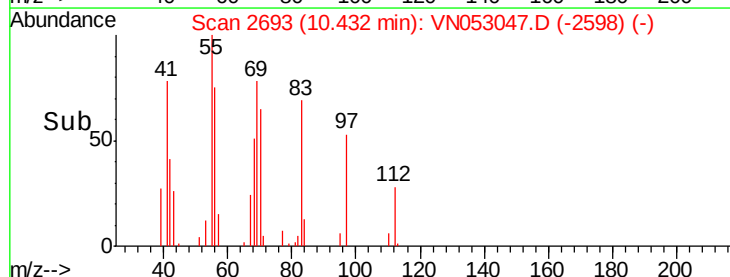
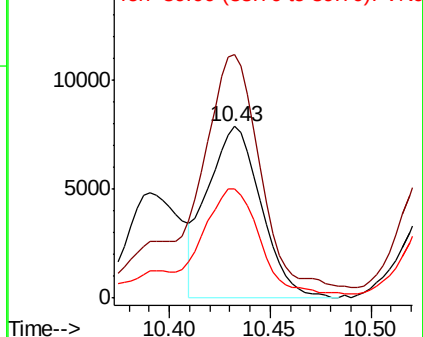


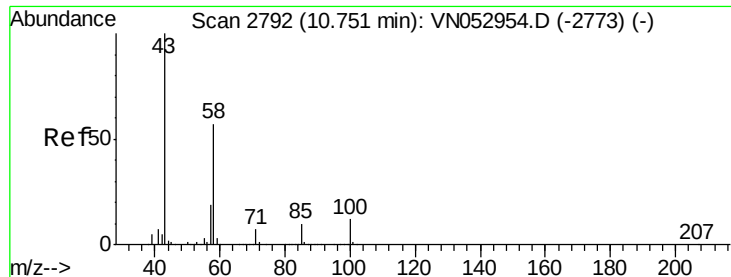
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

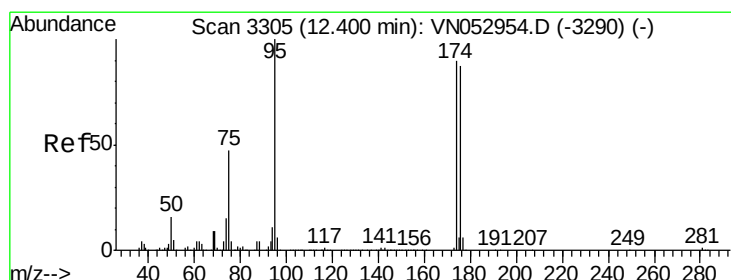
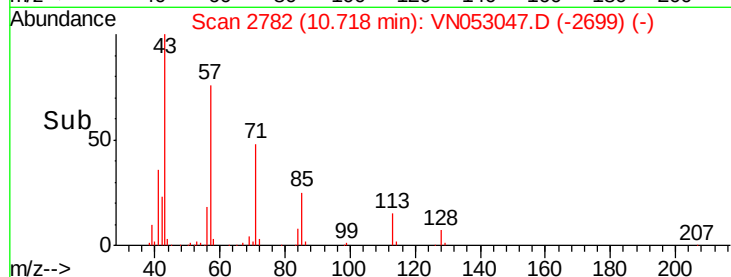
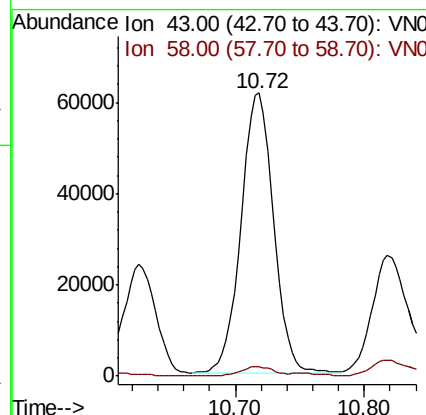
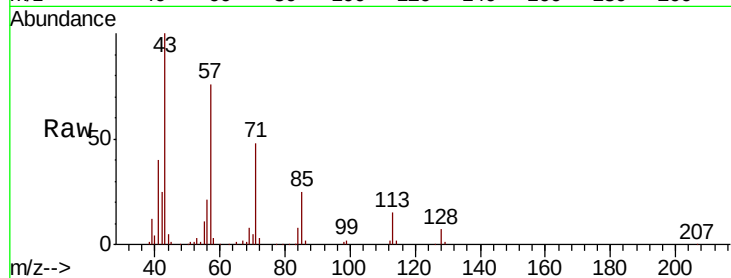




#59
2-Hexanone
Concen: 17.723 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

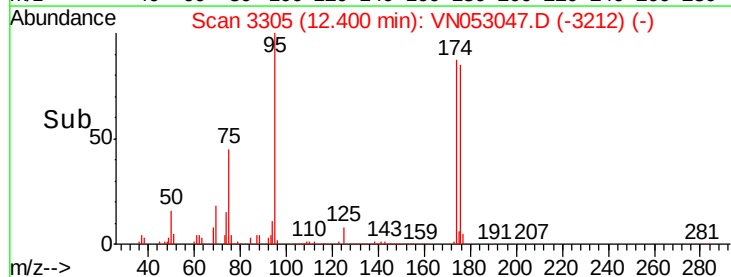
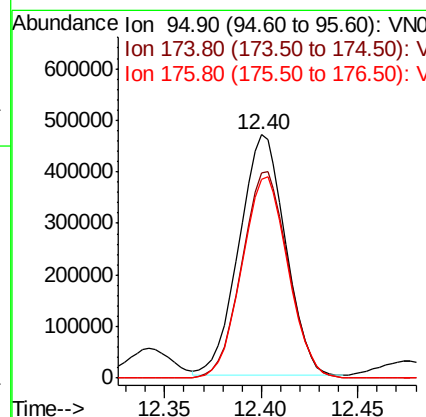
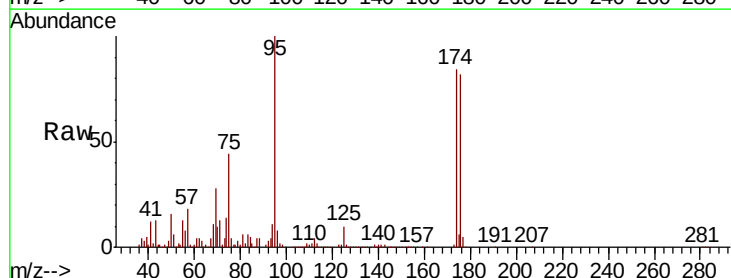
Instrument :
MSVOA_N
ClientSampleId :

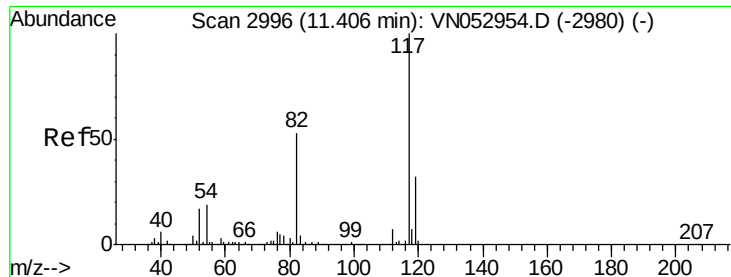
Tot Ion: 43 Resp: 107278
Ion Ratio Lower Upper
43 100
58 3.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 95 Resp: 776332
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.8
176 83.6 0.0 173.8

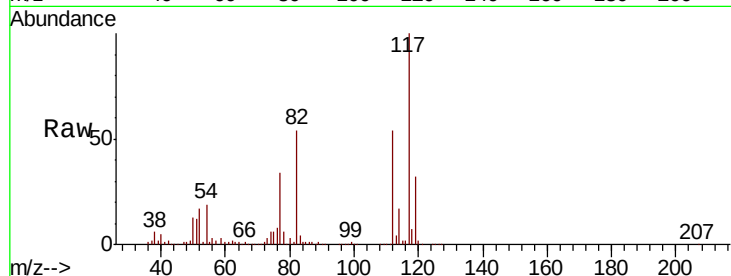




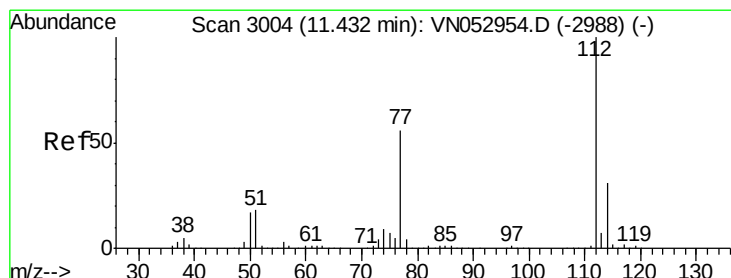
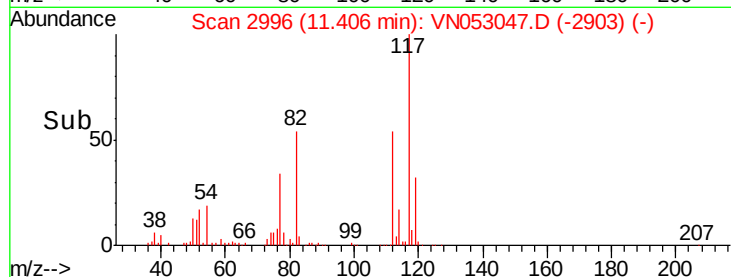
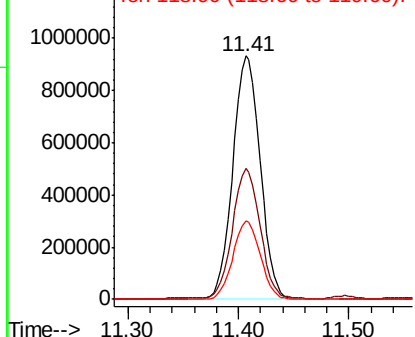
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1602791
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.2 25.5 38.3

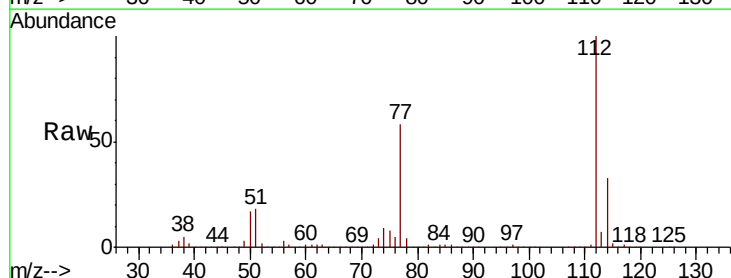


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

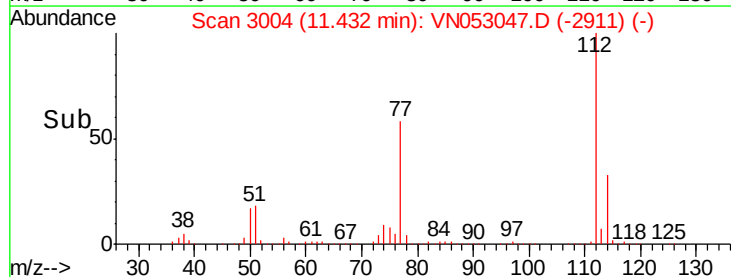
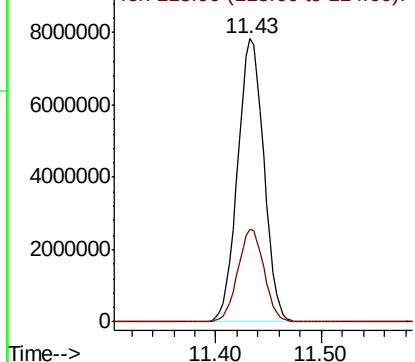


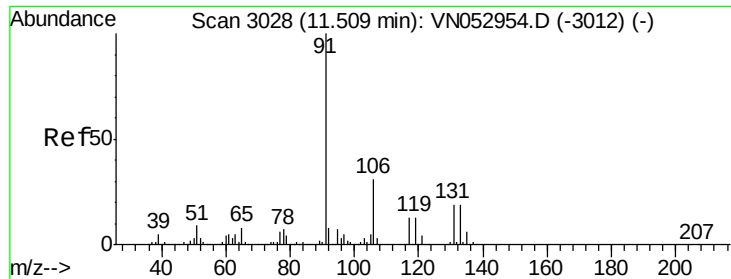
#65
Chlorobenzene
Concen: 379.244 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion:112 Resp:13474293
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

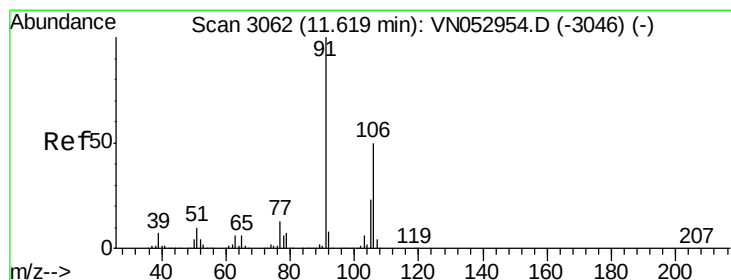
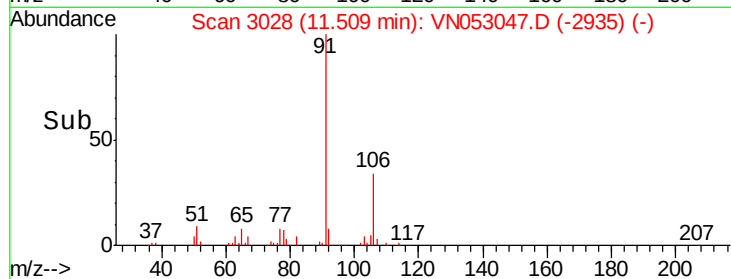
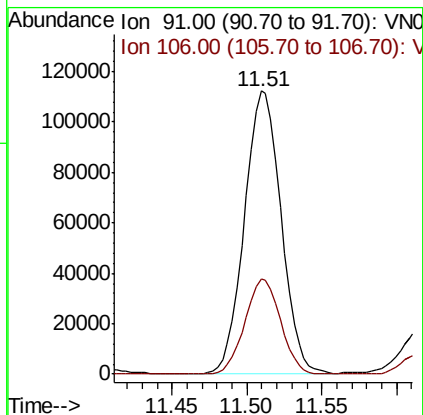
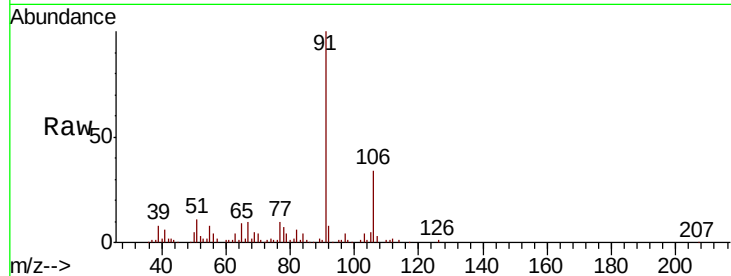




#67
Ethyl Benzene
Concen: 3.143 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

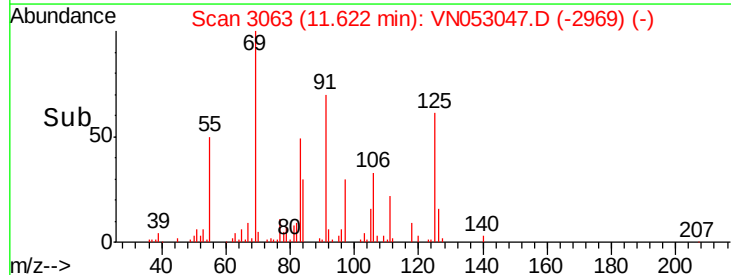
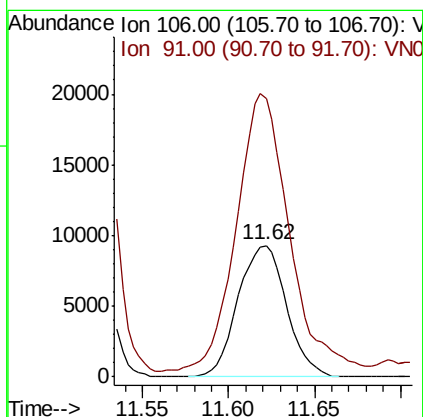
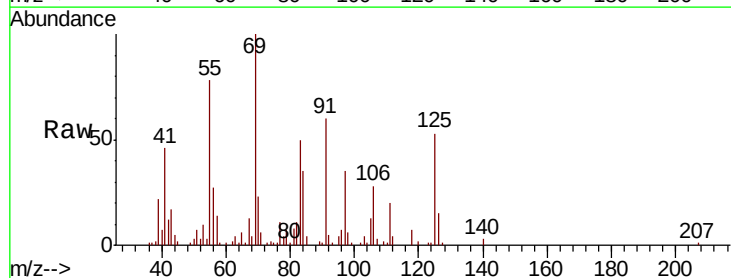
Instrument :
MSVOA_N
ClientSampled :

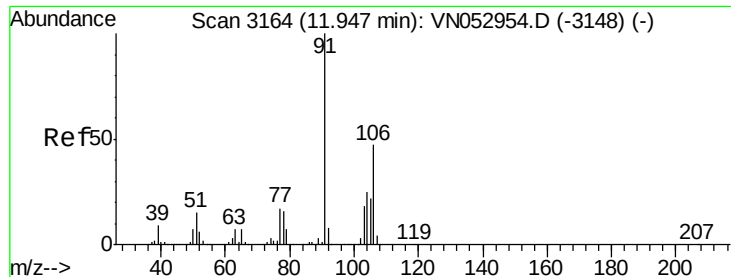
Tot Ion: 91 Resp: 192061
Ion Ratio Lower Upper
91 100
106 33.8 24.9 37.3



#68
m/p-Xylenes
Concen: 0.785 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 106 Resp: 18236
Ion Ratio Lower Upper
106 100
91 229.0 162.2 243.4

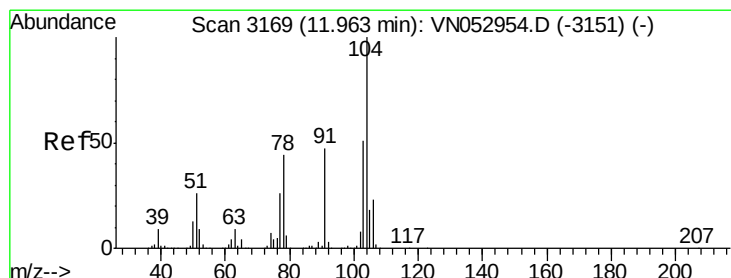
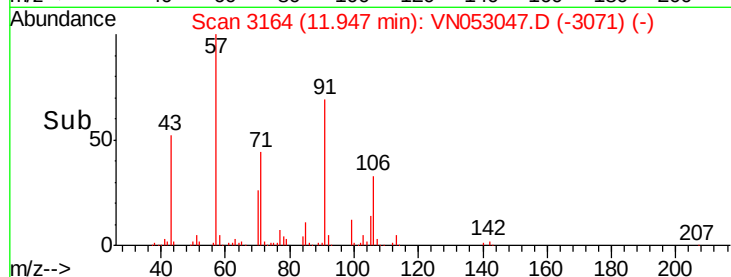
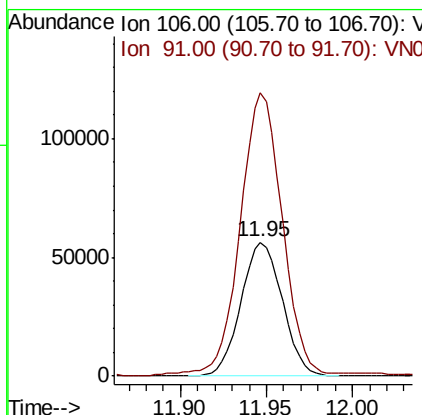
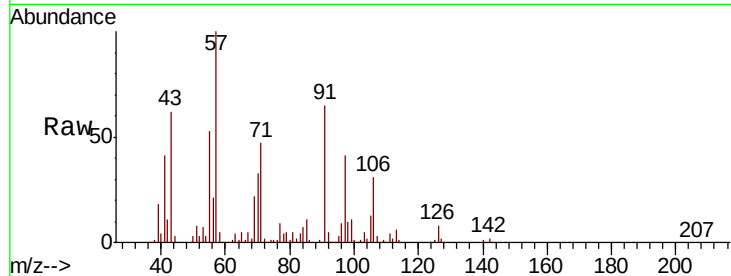




#69
o-Xylene
Concen: 4.208 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

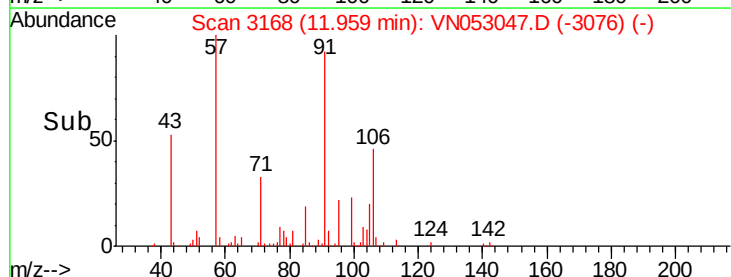
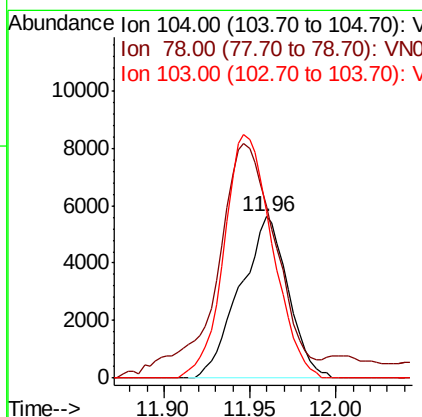
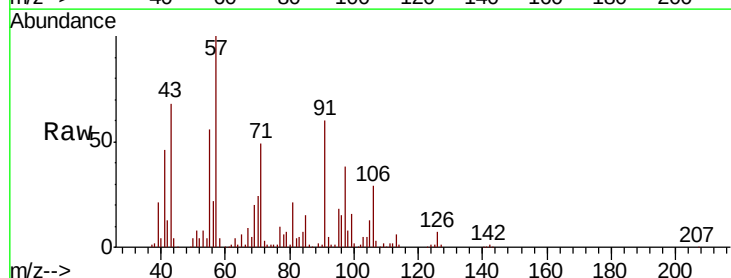
Instrument :
MSVOA_N
ClientSampled :

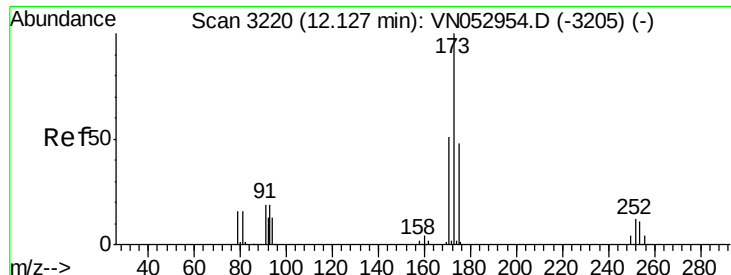
Tot Ion:106 Resp: 93782
Ion Ratio Lower Upper
106 100
91 216.5 106.6 319.8



#70
Styrene
Concen: 0.300 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion:104 Resp: 10895
Ion Ratio Lower Upper
104 100
78 181.3 38.9 58.3#
103 151.6 44.3 66.5#





#71

Bromoform

Concen: 0.474 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

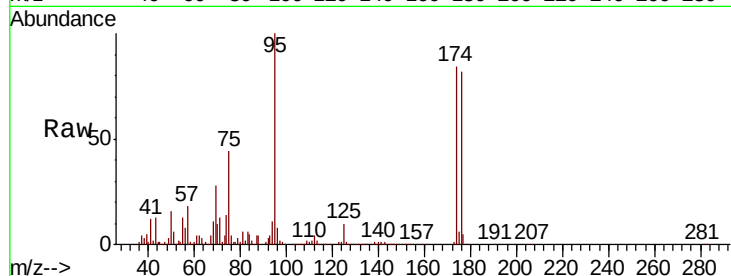
Tot Ion:173 Resp: 4230

Ion Ratio Lower Upper

173 100

175 974.3 24.3 72.9#

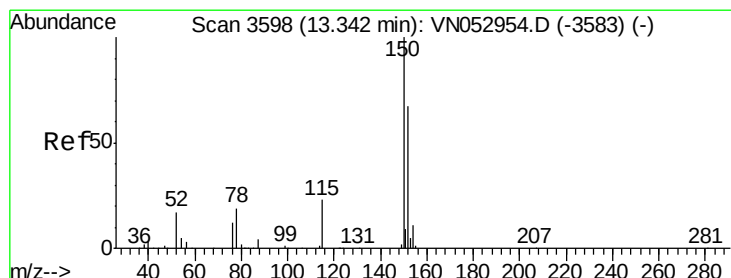
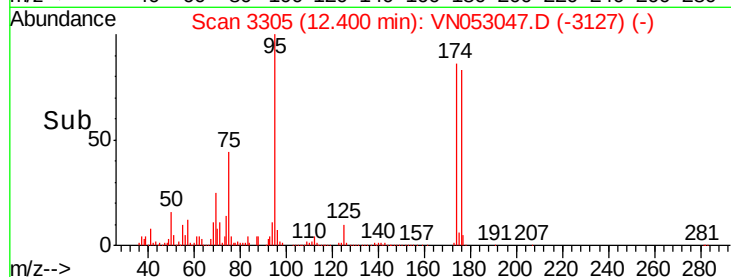
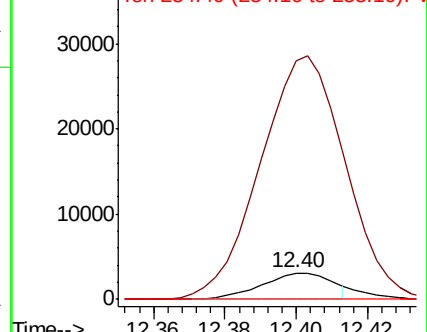
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

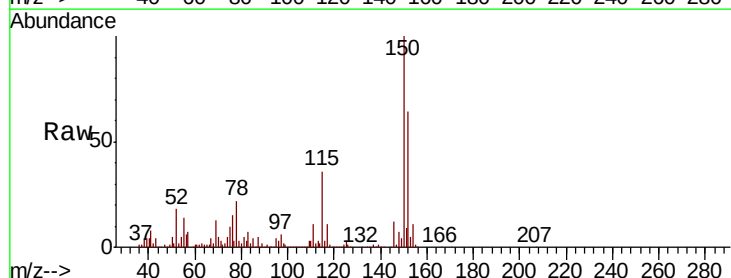
Tgt Ion:152 Resp: 742940

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

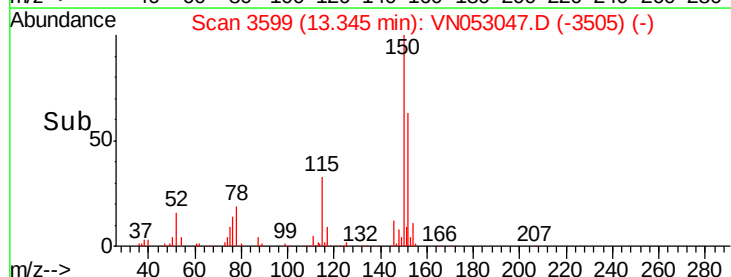
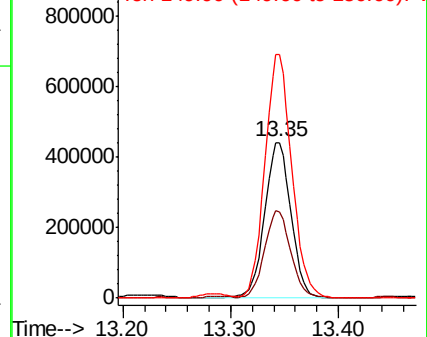
150 160.0 0.0 347.8

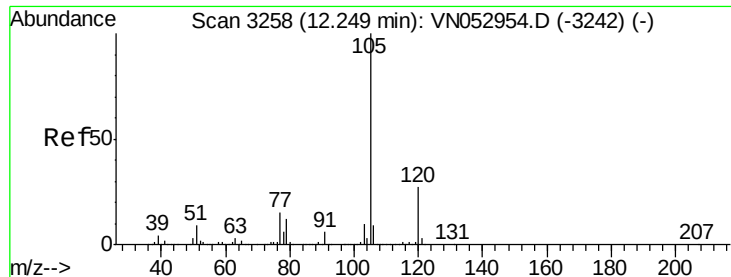


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

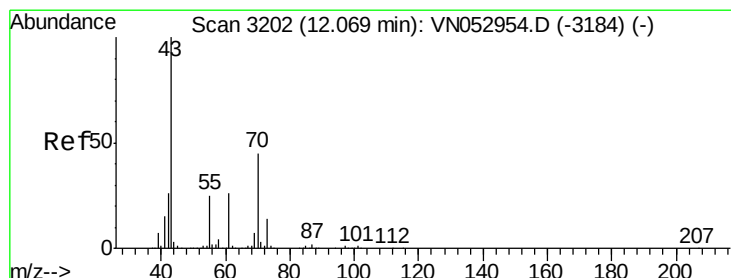
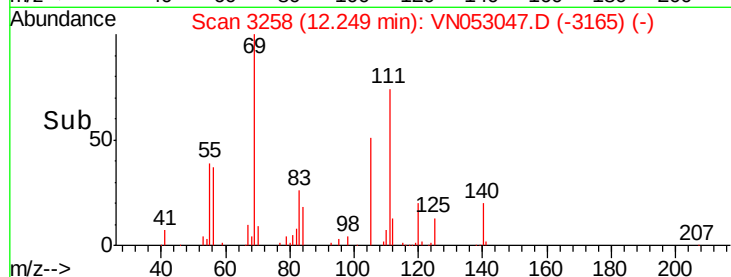
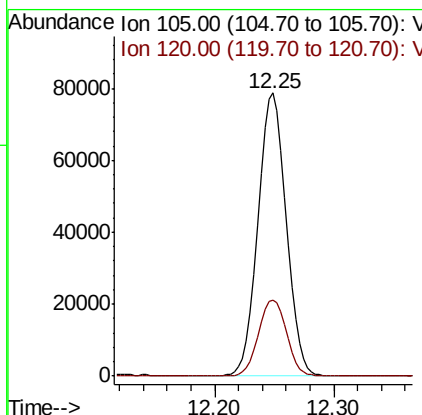
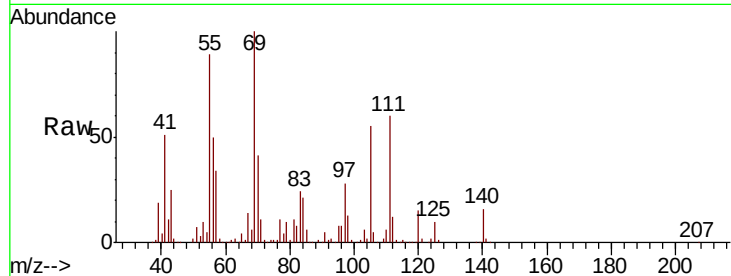




#73
Isopropylbenzene
Concen: 2.230 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

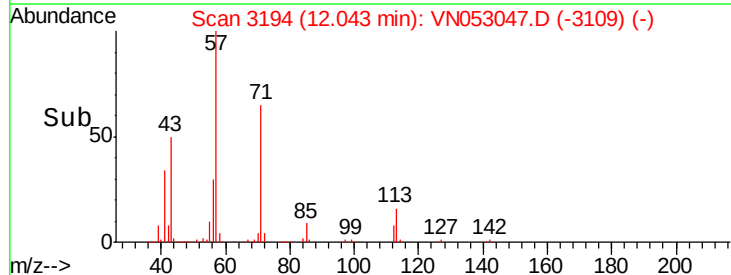
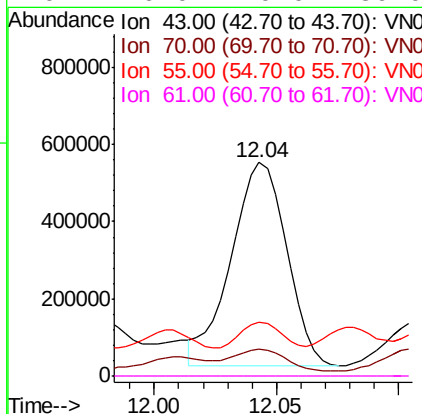
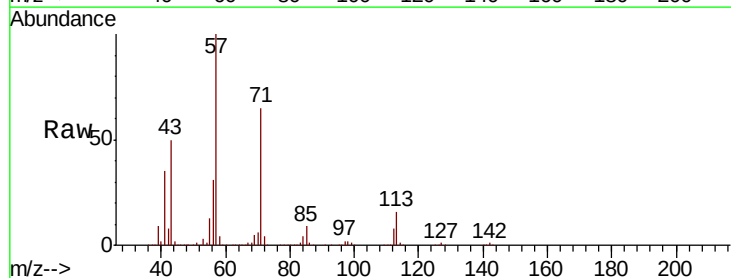
Instrument :
MSVOA_N
ClientSampleId :

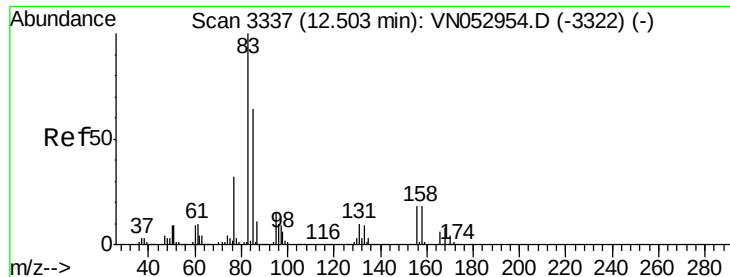
Tot Ion:105 Resp: 129620
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9



#74
N-ethyl acetate
Concen: 51.852 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.03 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 43 Resp: 836820
Ion Ratio Lower Upper
43 100
70 9.6 34.2 51.4#
55 20.8 20.3 30.5
61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.667 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

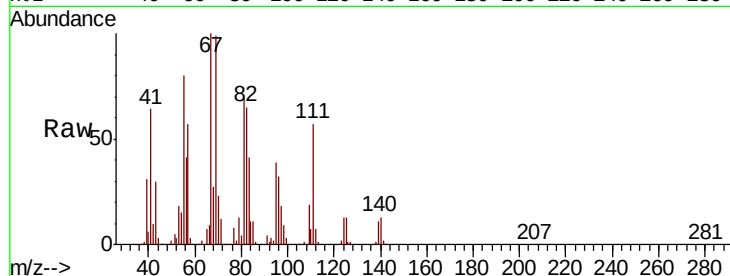
Tot Ion: 83 Resp: 64622

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.4 97.0#

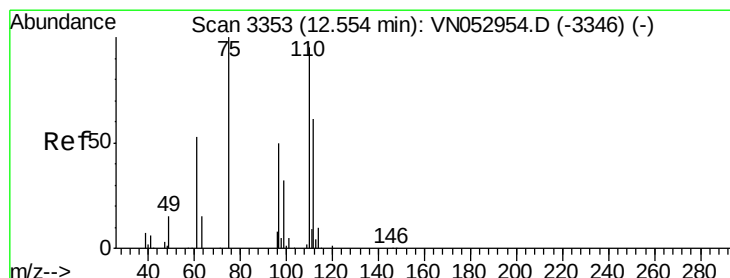
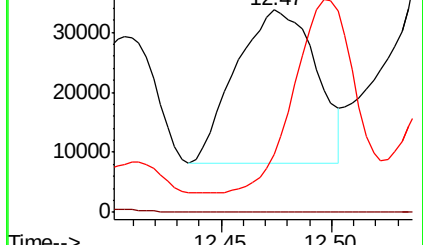
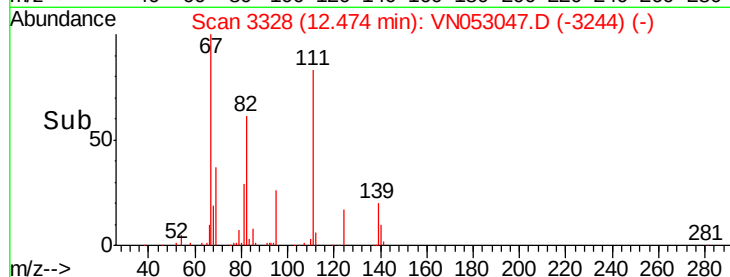


Abundance Ion 82.90 (82.60 to 83.60): VN053047.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053047.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053047.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.398 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053047.D

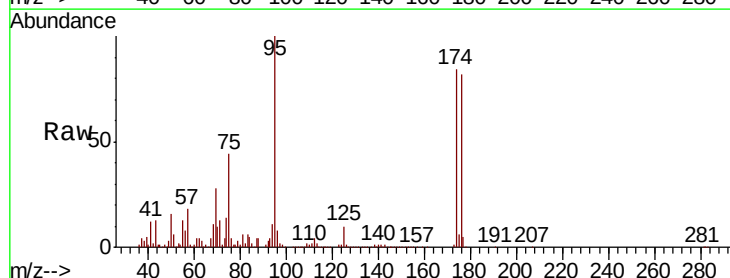
Acq: 20 Dec 2018 11:01

Tgt Ion: 75 Resp: 342653

Ion Ratio Lower Upper

75 100

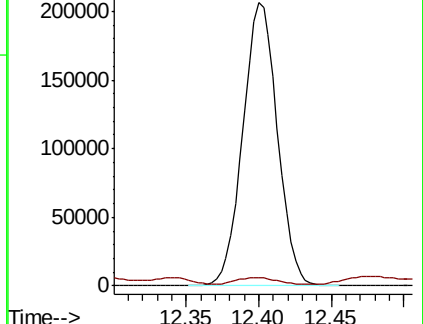
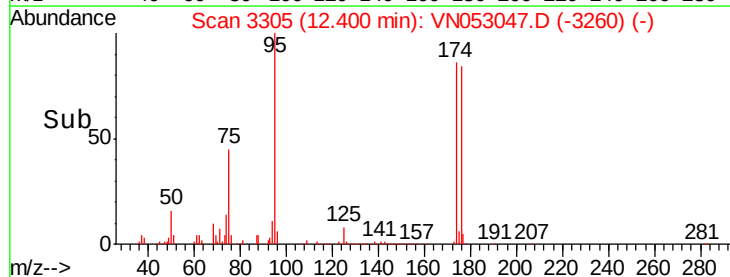
77 2.7 0.0 0.0#

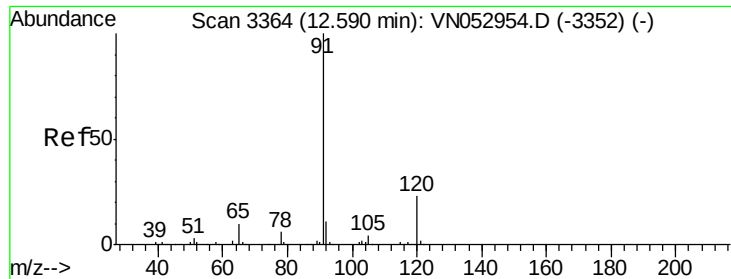


Abundance Ion 74.90 (74.60 to 75.60): VN053047.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN053047.D (-3305) (-)

Time-->





#78

n-propylbenzene

Concen: 7.022 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

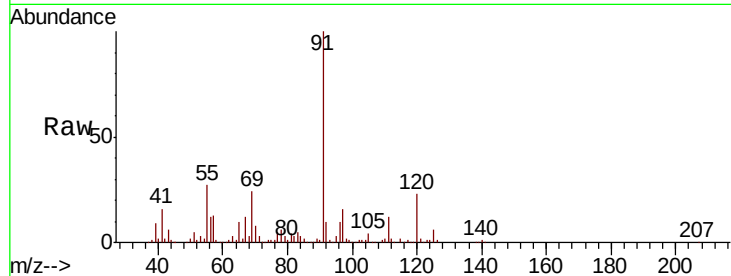
ClientSampleId :

Tot Ion: 91 Resp: 464888

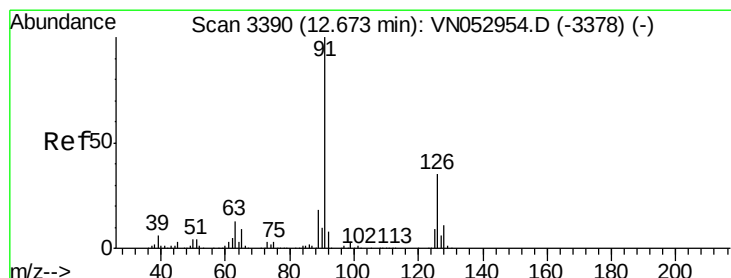
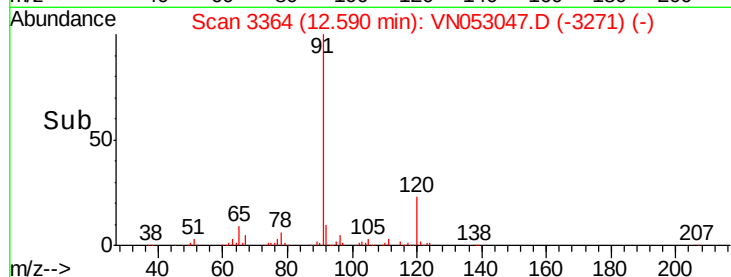
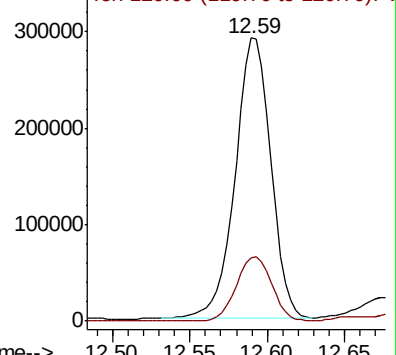
Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)



#79

2-Chlorotoluene

Concen: 1.062 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053047.D

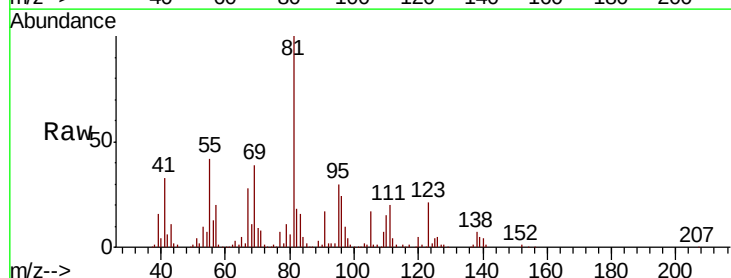
Acq: 20 Dec 2018 11:01

Tgt Ion: 91 Resp: 43583

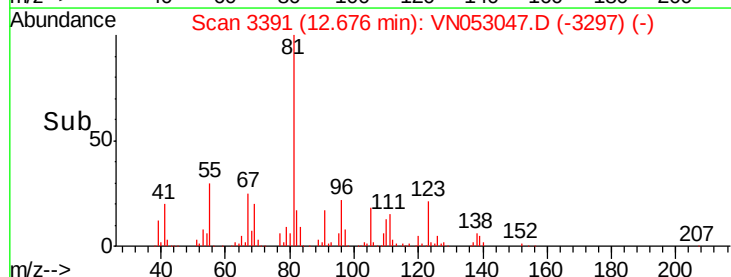
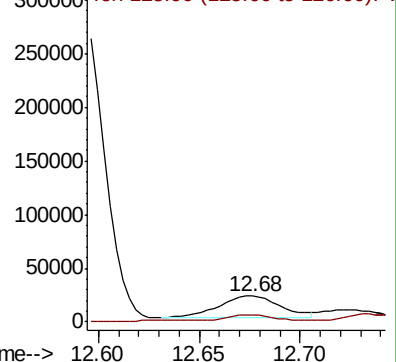
Ion Ratio Lower Upper

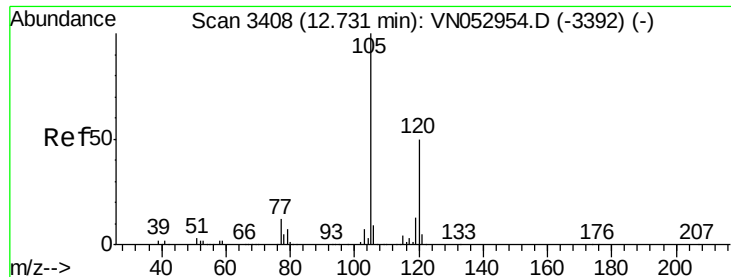
91 100

126 18.9 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

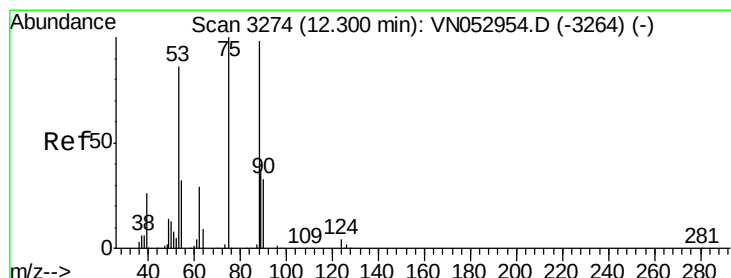
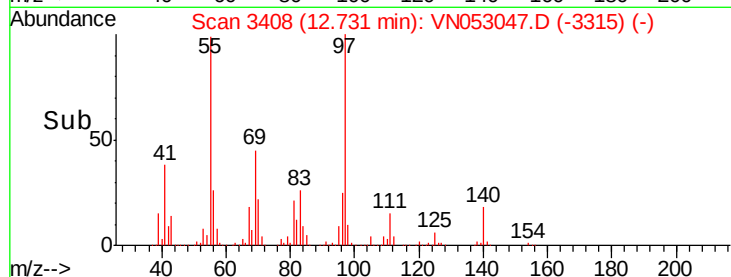
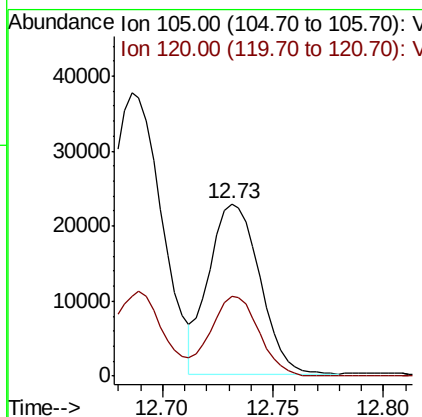
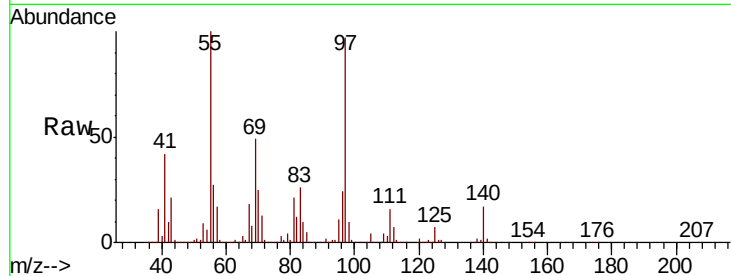




#80
 1,3,5-Trimethylbenzene
 Concen: 0.764 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

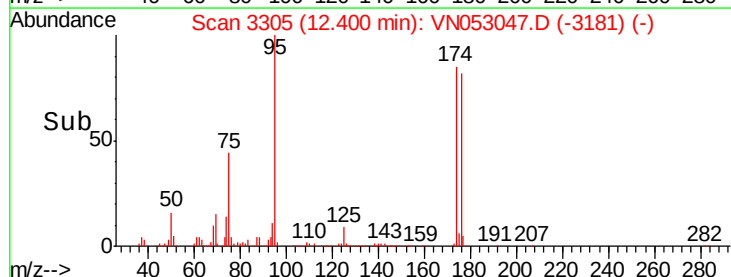
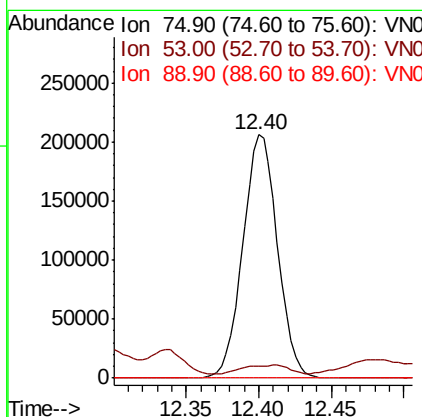
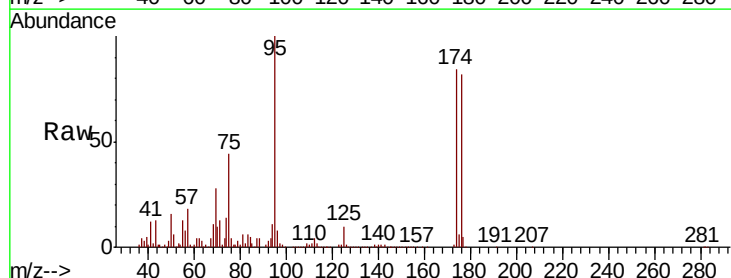
Instrument :
 MSVOA_N
 ClientSampled :

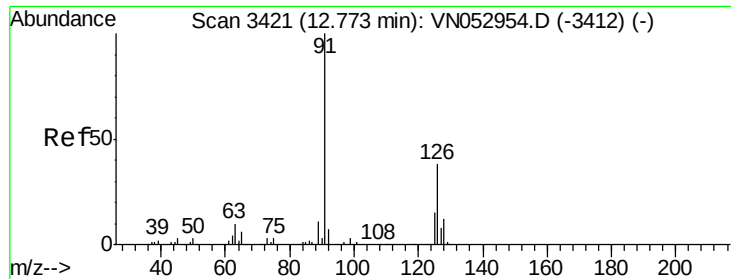
Tot Ion:105 Resp: 36217
 Ion Ratio Lower Upper
 105 100
 120 44.4 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.306 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Tgt Ion: 75 Resp: 342653
 Ion Ratio Lower Upper
 75 100
 53 4.8 74.7 112.1#
 89 0.0 36.1 54.1#

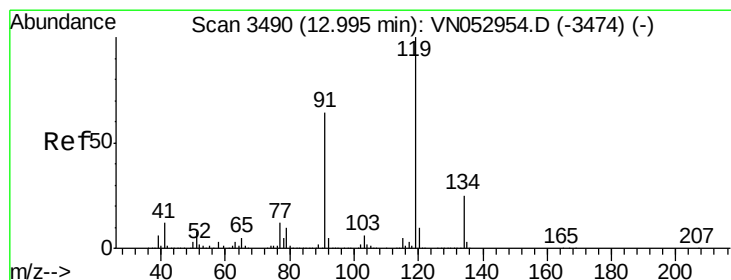
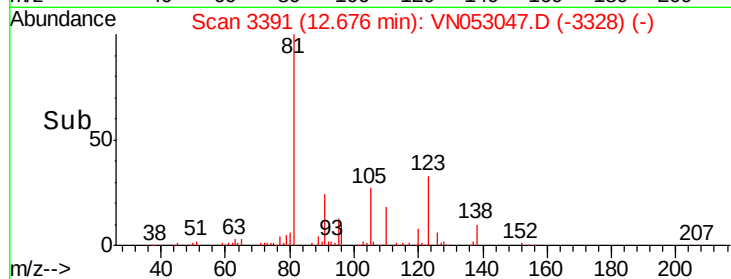
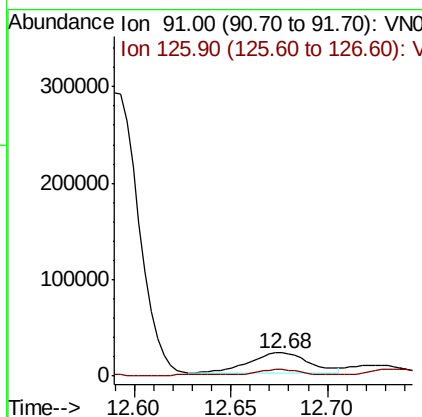
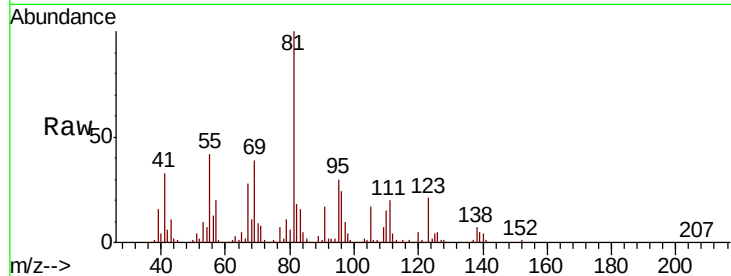




#82
4-Chlorotoluene
Concen: 1.105 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. -0.10 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

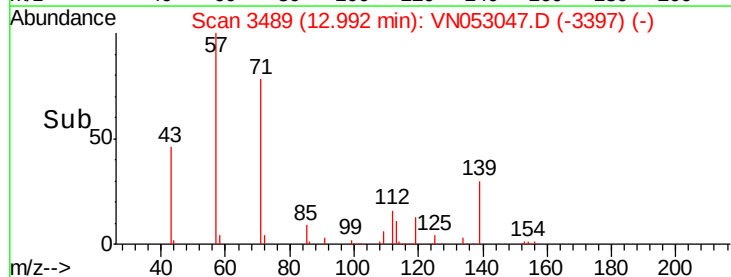
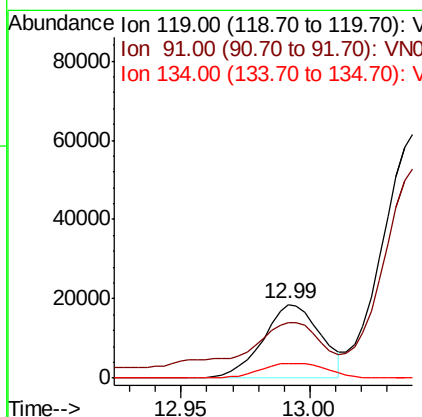
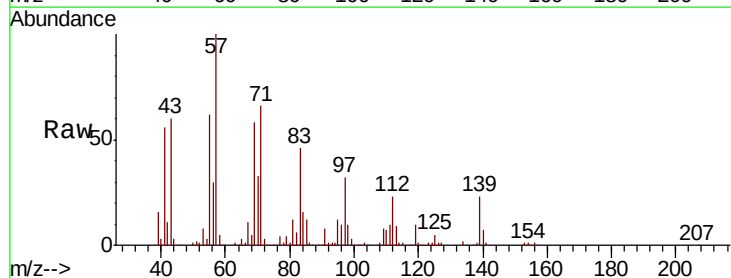
Instrument :
MSVOA_N
ClientSampleId :

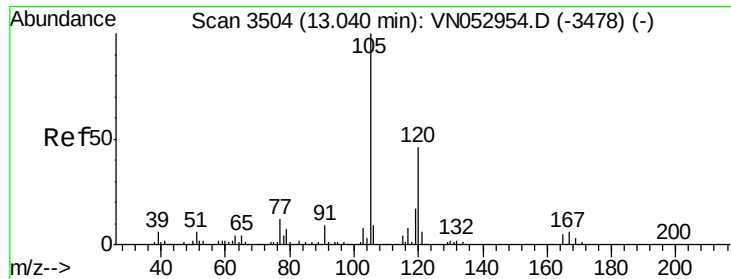
Tot Ion: 91 Resp: 44385
Ion Ratio Lower Upper
91 100
126 22.7 17.3 51.7



#83
tert-Butylbenzene
Concen: 0.691 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053047.D
Acq: 20 Dec 2018 11:01

Tgt Ion: 119 Resp: 28940
Ion Ratio Lower Upper
119 100
91 76.0 31.9 95.5
134 22.7 12.8 38.4

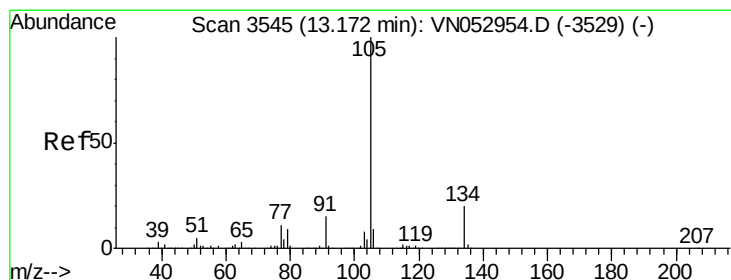
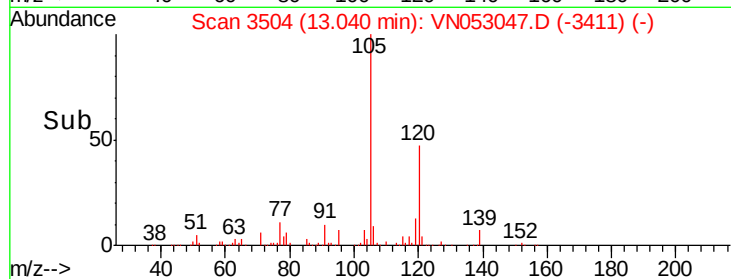
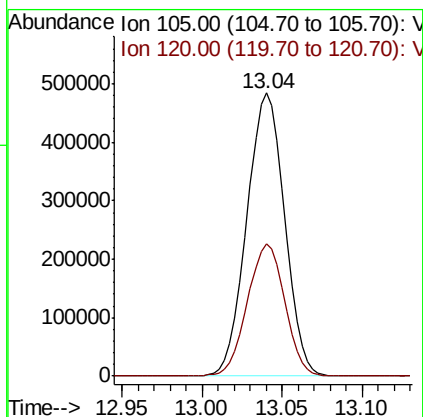
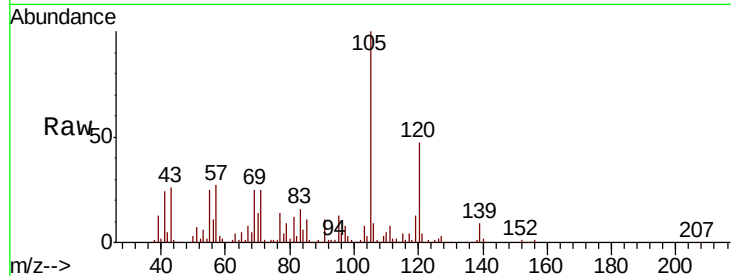




#84
 1,2,4-Trimethylbenzene
 Concen: 16.366 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

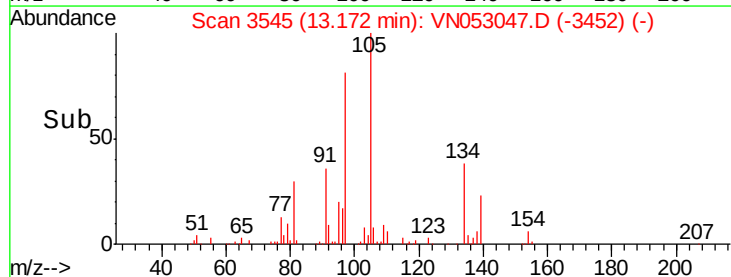
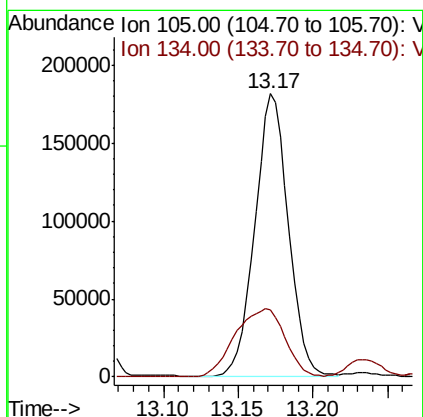
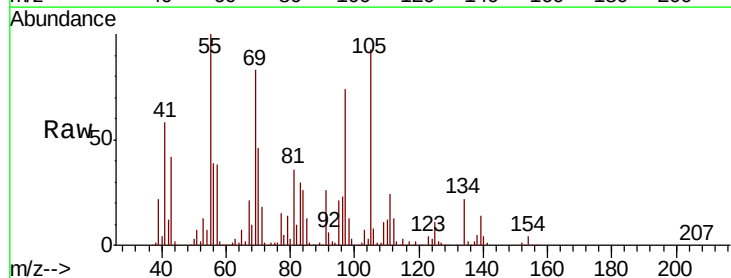
Instrument :
 MSVOA_N
 ClientSampleId :

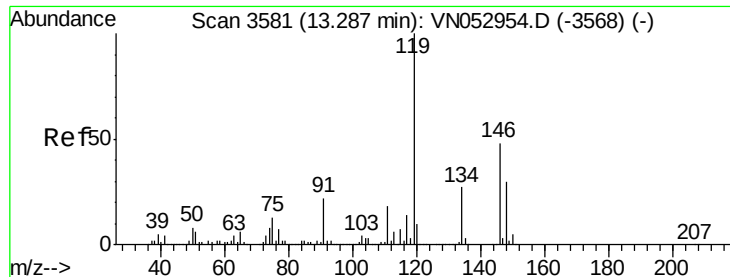
Tot Ion:105 Resp: 779512
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 4.948 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Tgt Ion:105 Resp: 280425
 Ion Ratio Lower Upper
 105 100
 134 36.2 10.1 30.3#

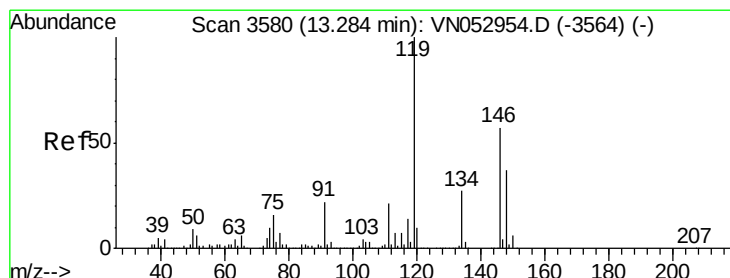
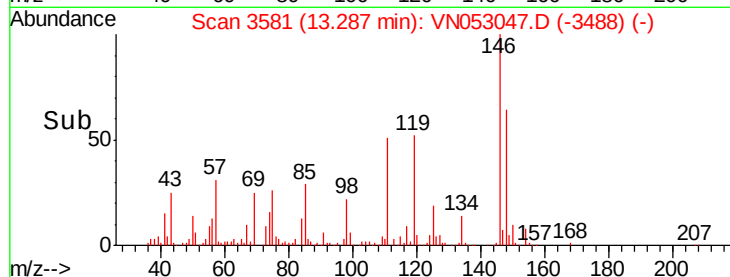
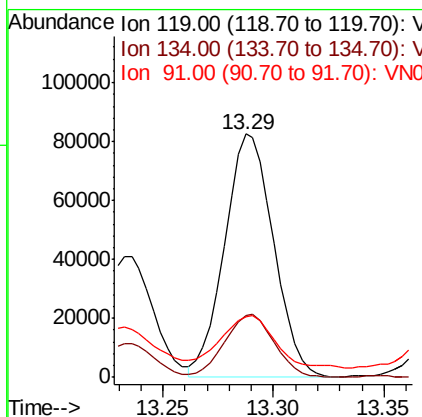
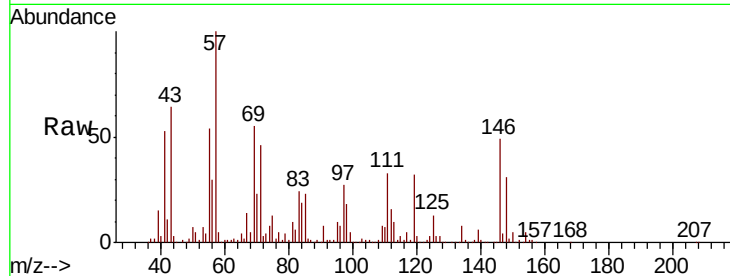




#86
 p-Isopropyltoluene
 Concen: 2.580 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

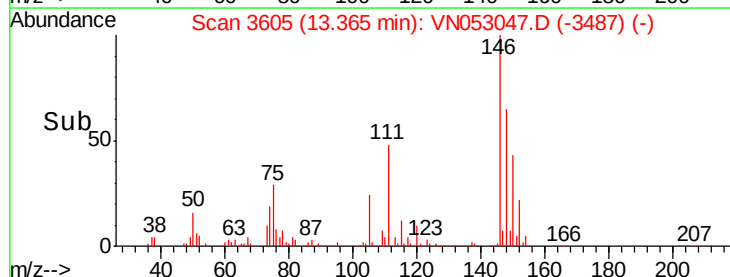
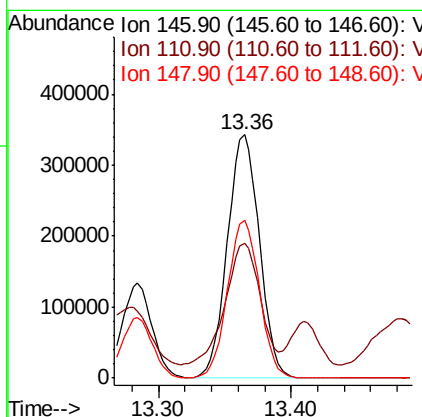
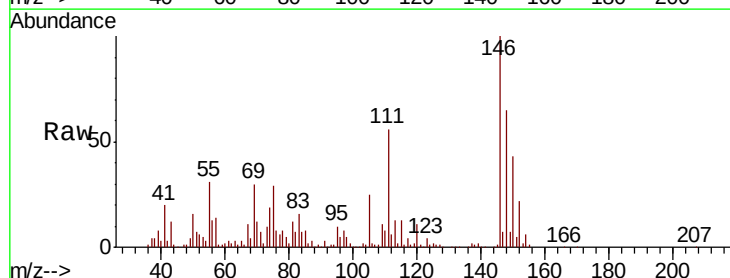
Instrument :
 MSVOA_N
 ClientSampled :

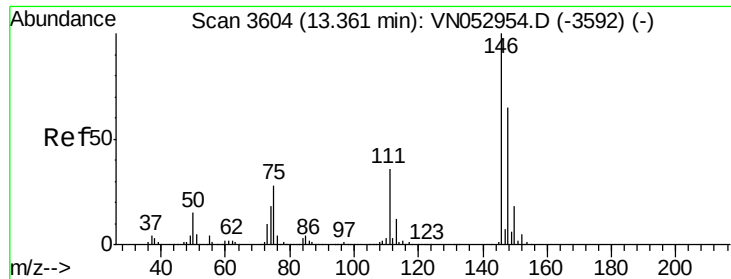
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	23.2	11.1	33.3



#87
 1,3-Dichlorobenzene
 Concen: 21.527 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.08 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.3	19.1	57.1
148	64.6	32.0	96.0

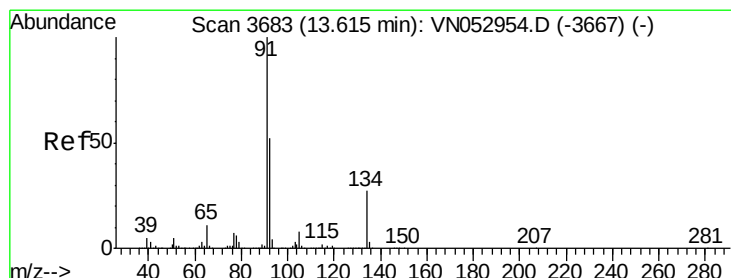
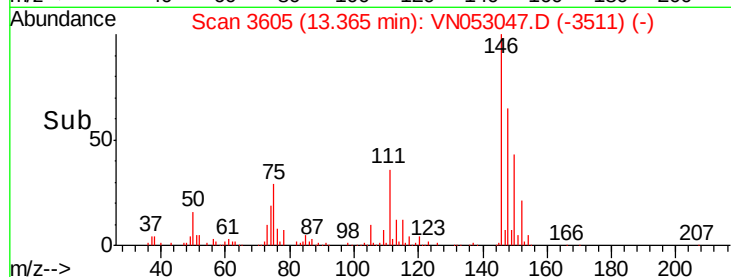
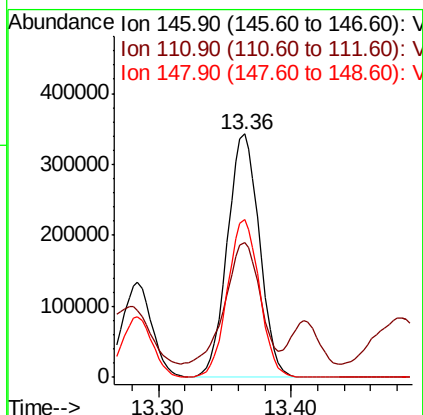
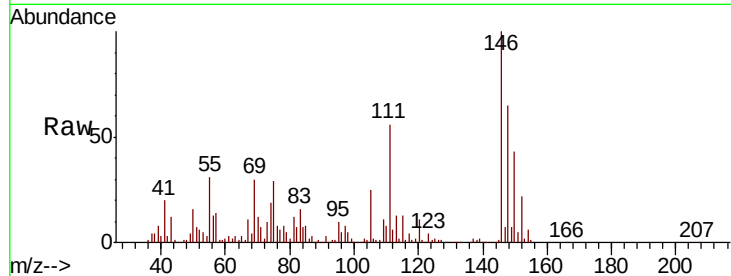




#88
 1,4-Dichlorobenzene
 Concen: 21.257 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

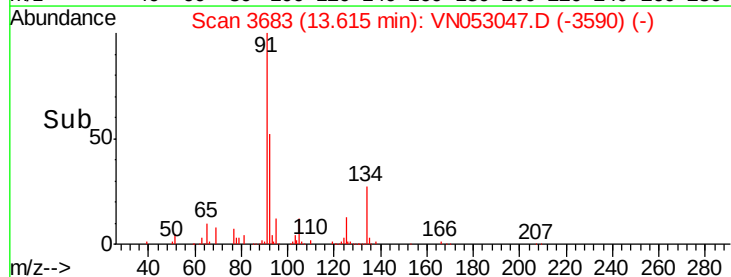
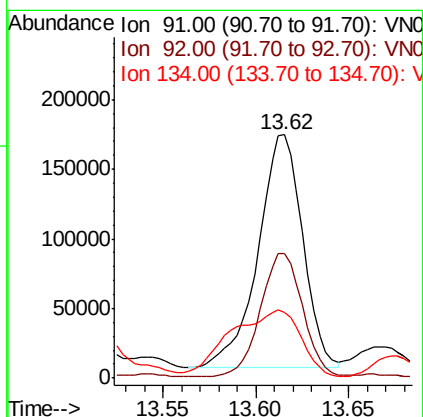
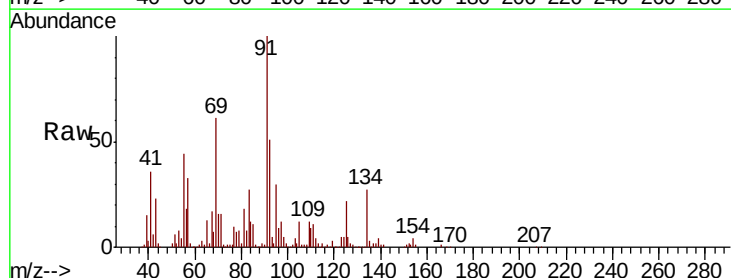
Instrument :
 MSVOA_N
 ClientSampled :

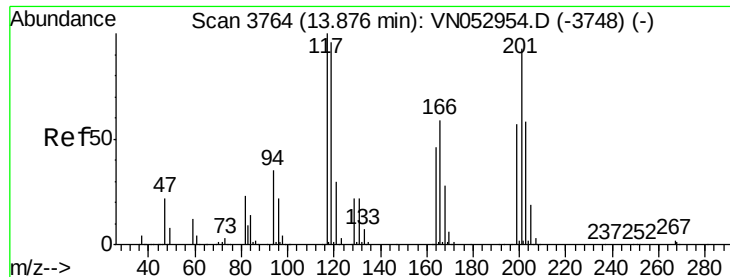
Tot Ion	Ratio	Lower	Upper
146	100		
111	53.3	18.6	55.8
148	64.6	32.1	96.5



#89
 n-Butylbenzene
 Concen: 6.658 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.1	26.3	78.9
134	44.6	13.3	39.8





#90

Hexachloroethane

Concen: 6.618 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

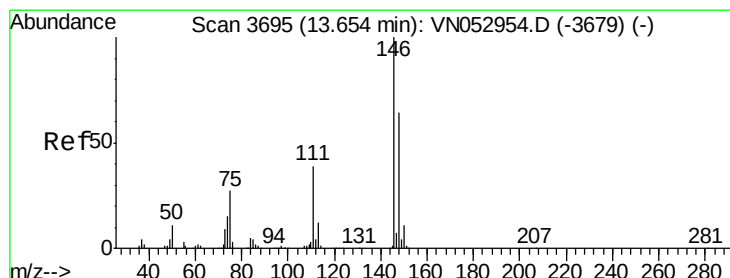
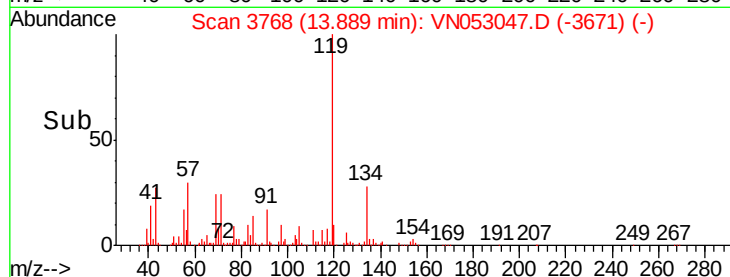
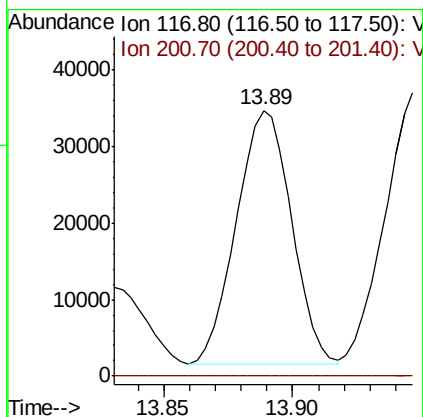
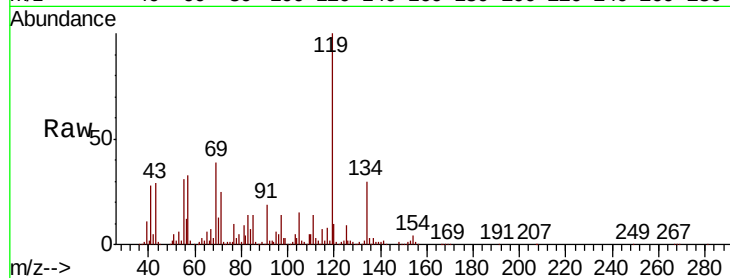
ClientSampled :

Tot Ion:117 Resp: 49737

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#



#91

1,2-Dichlorobenzene

Concen: 0.487 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

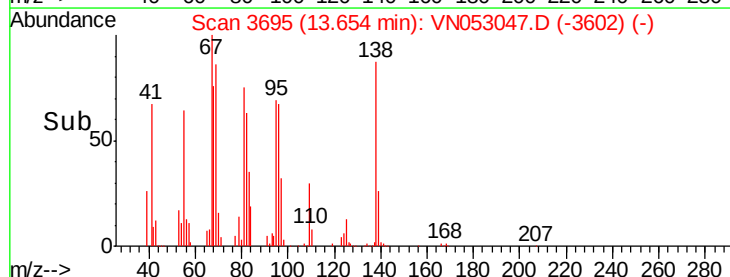
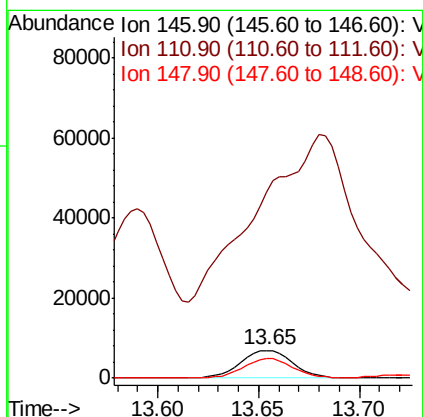
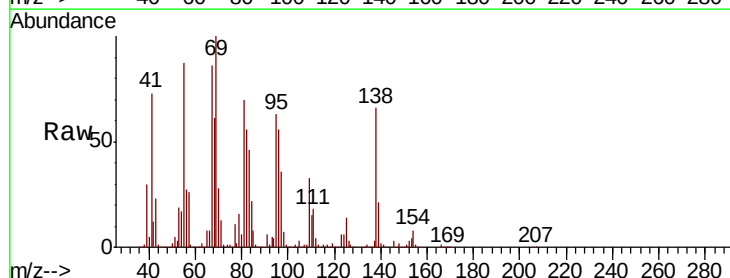
Tgt Ion:146 Resp: 12260

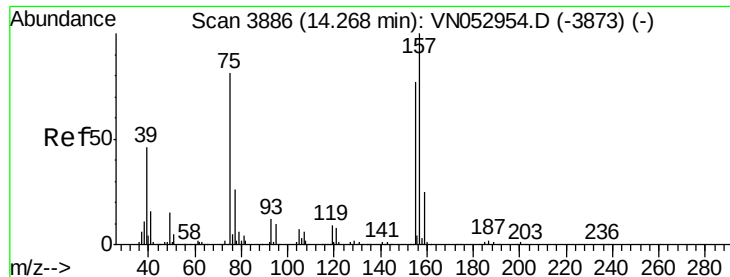
Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

148 68.1 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.780 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

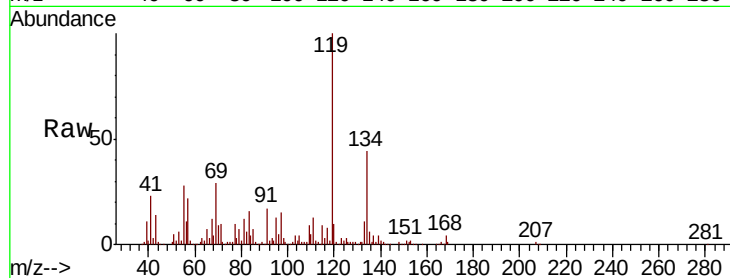
Tot Ion: 75 Resp: 1539

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

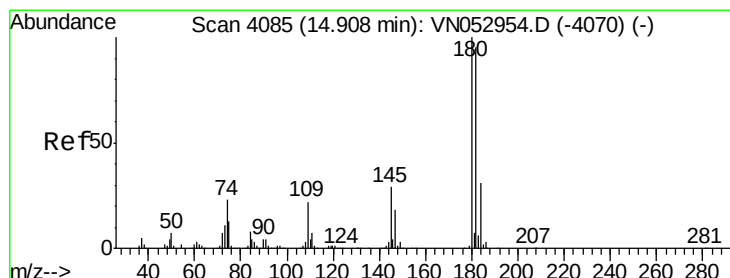
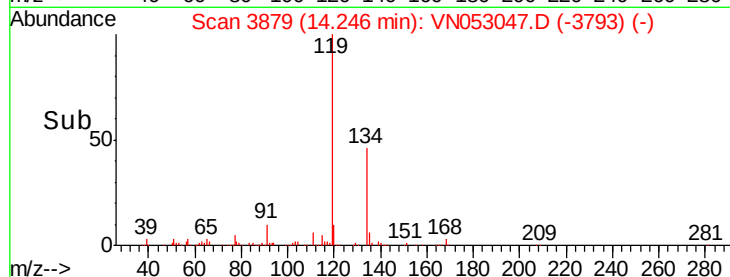
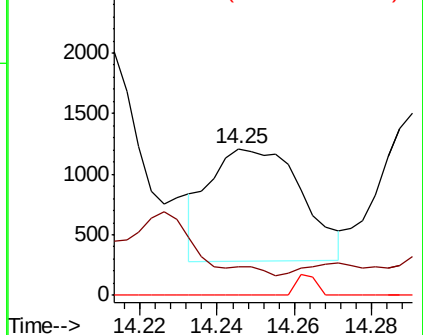
157 4.1 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN052954.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN052954.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.992 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

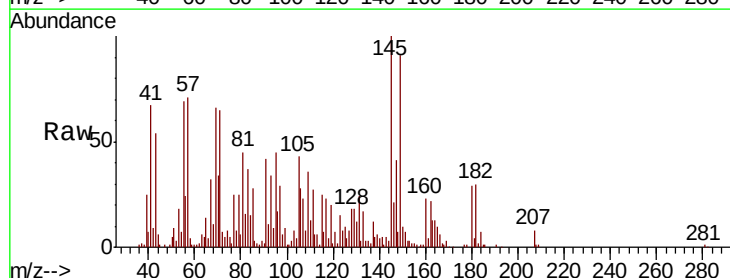
Tgt Ion: 180 Resp: 18844

Ion Ratio Lower Upper

180 100

182 94.5 47.8 143.3

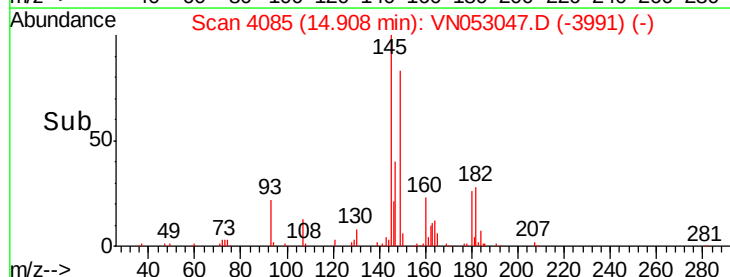
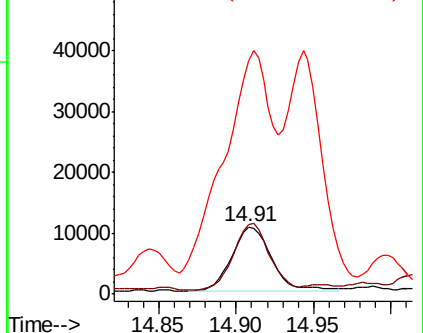
145 476.0 14.2 42.6#

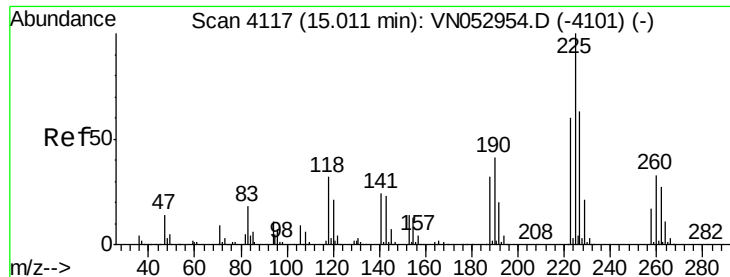


Abundance Ion 179.80 (179.50 to 180.50): VN052954.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN052954.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN052954.D (-4070) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

Instrument :

MSVOA_N

ClientSampled :

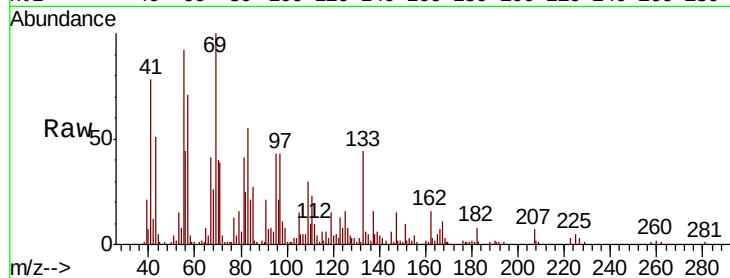
Tot Ion:225 Resp: 3144

Ion Ratio Lower Upper

225 100

223 65.5 31.5 94.5

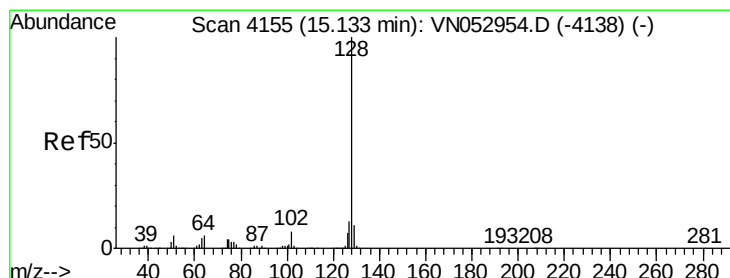
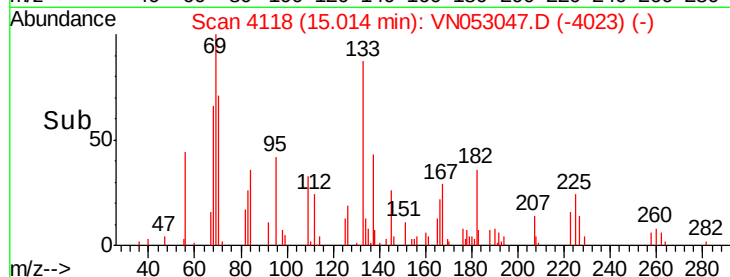
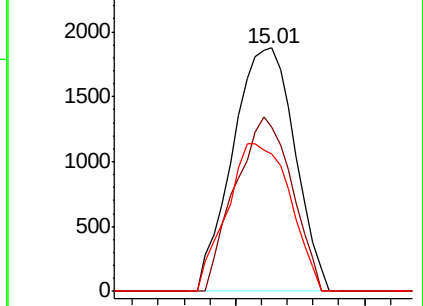
227 61.5 31.9 95.7



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: 22.997 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053047.D

Acq: 20 Dec 2018 11:01

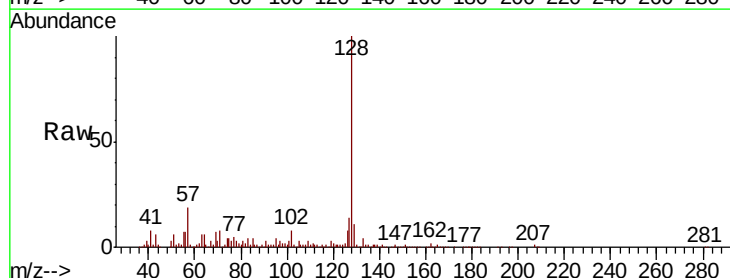
Tgt Ion:128 Resp: 653240

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

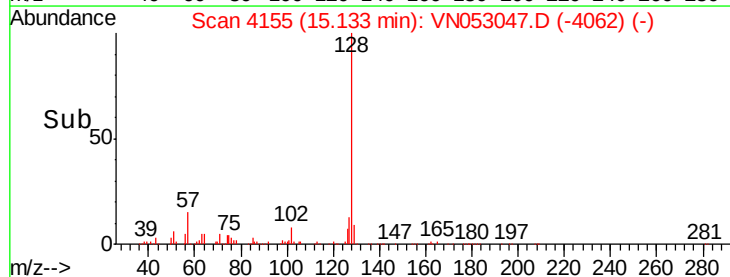
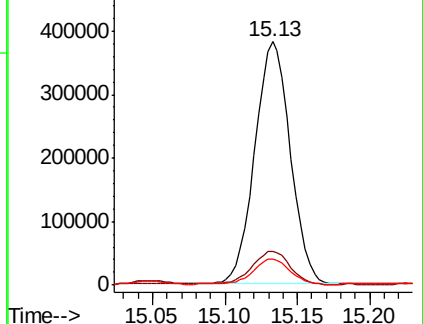
129 11.1 8.6 13.0

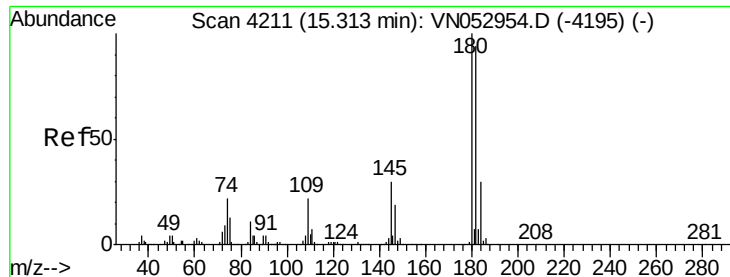


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

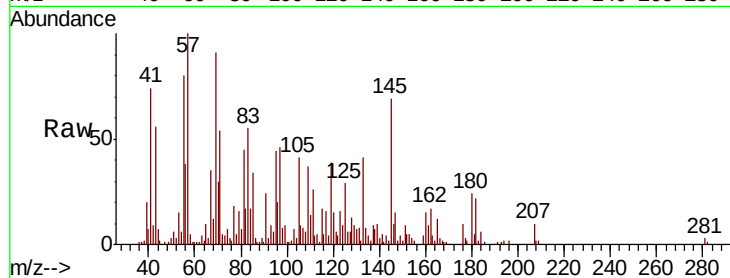




#96
 1,2,3-Trichlorobenzene
 Concen: 1.602 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053047.D
 Acq: 20 Dec 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	72.8	47.9	143.7
145	0.0	15.0	45.0



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

