

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN054013.D
 Acq On : 28 Feb 2019 19:14
 Operator : JC/SP
 Sample : K1341-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 01 03:58:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1113971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1096009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	481444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396137	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.59	113	354470	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	1414078	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.40	95	502729	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.78	59	264	0.588	ug/l #	73
14) Allyl chloride	4.56	41	34031	3.252	ug/l #	27
16) Acetone	3.82	43	14836	Below Cal		97
18) Methyl Acetate	4.33	43	4147	0.837	ug/l #	78
20) Methylene Chloride	4.55	84	815424	116.298	ug/l	90
25) 2-Butanone	6.84	43	6189	2.225	ug/l #	77
29) Tetrahydrofuran	7.22	42	2092	1.129	ug/l #	40
30) Chloroform	7.37	83	9490	0.791	ug/l	98
31) Cyclohexane	7.66	56	10776	0.546	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42433	4.096	ug/l #	47
38) Carbon Tetrachloride	7.67	117	52732	4.894	ug/l #	17
43) Isopropyl Acetate	8.17	43	44335	3.550	ug/l #	86
45) 1,2-Dichloropropane	9.27	63	1979	0.230	ug/l #	44
47) Bromodichloromethane	9.40	83	3597	0.342	ug/l	89
48) Methyl methacrylate	9.18	41	12944	2.253	ug/l #	12
49) 1,4-Dioxane	9.27	88	102	1.311	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	10445	1.627	ug/l #	34
52) Toluene	10.16	92	51543	2.750	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	76531	6.351	ug/l #	71
56) Ethyl methacrylate	10.43	69	75	1.963	ug/l #	29
57) 1,3-Dichloropropane	10.77	76	13408	1.134	ug/l #	43
59) 2-Hexanone	10.76	43	203086	48.654	ug/l #	49
67) Ethyl Benzene	11.51	91	238794	6.158	ug/l	99
68) m/p-Xylenes	11.62	106	473376	32.344	ug/l	96
69) o-Xylene	11.95	106	379823	26.412	ug/l	96
70) Styrene	11.95	104	20337	0.919	ug/l #	1
71) Bromoform	12.40	173	3747	0.646	ug/l #	1
73) Isopropylbenzene	12.25	105	108941	2.907	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	7405	0.959	ug/l #	100
78) n-propylbenzene	12.59	91	351490	8.247	ug/l	99
79) 2-Chlorotoluene	12.65	91	112152	4.380	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	621052	20.242	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	244594	100.097	ug/l #	15
82) 4-Chlorotoluene	12.73	91	63174	2.497	ug/l #	39

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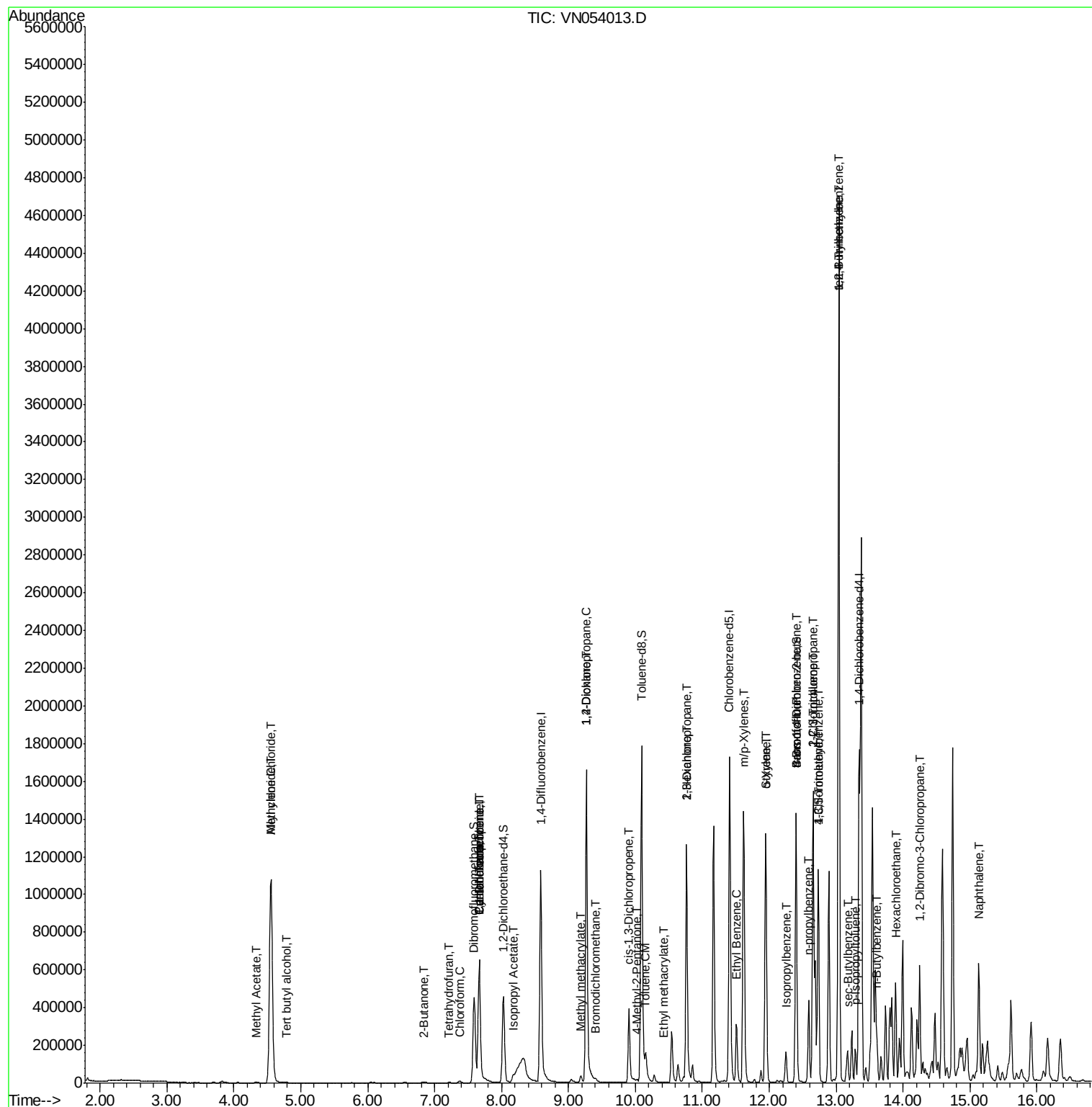
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	322904	11.900	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.04	105	2656590	86.730	ug/l	98
85) sec-Butylbenzene	13.17	105	107868	2.910	ug/l	86
86) p-Isopropyltoluene	13.29	119	100597	3.211	ug/l	98
89) n-Butylbenzene	13.61	91	103201	3.908	ug/l #	80
90) Hexachloroethane	13.89	117	25176	4.147	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2472	1.867	ug/l #	1
95) Naphthalene	15.13	128	541459	29.791	ug/l	100

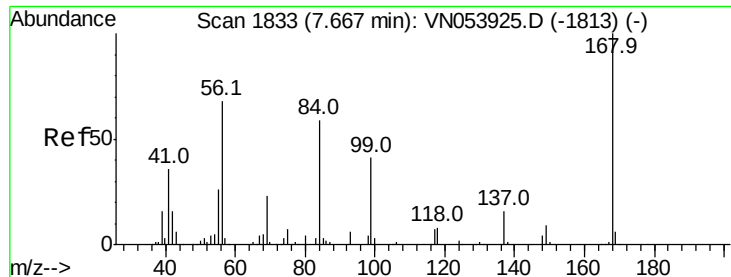
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

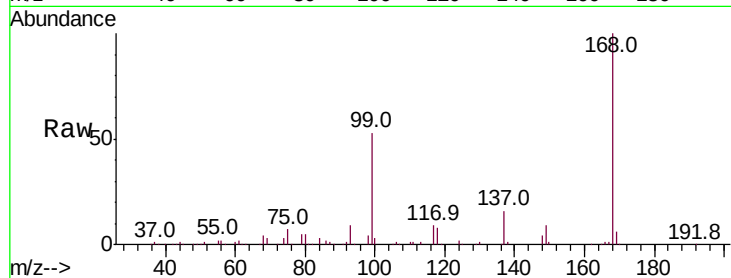
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 604343

Ion Ratio Lower Upper

168 100

99 52.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

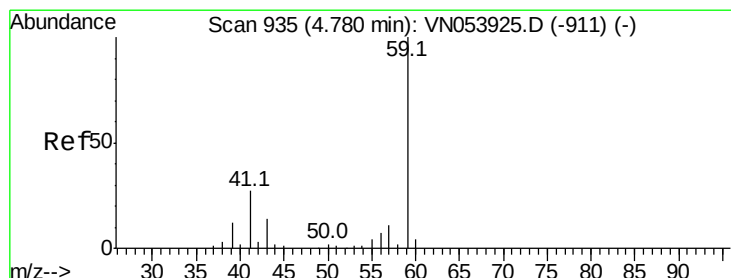
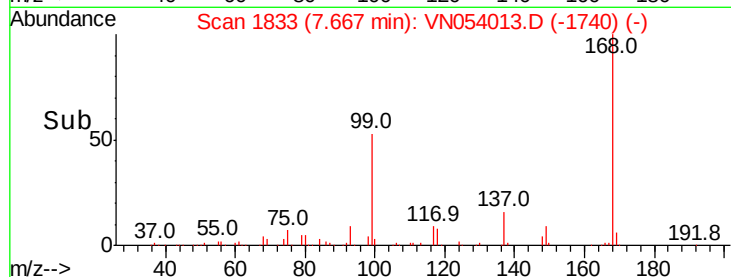
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 0.588 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN054013.D

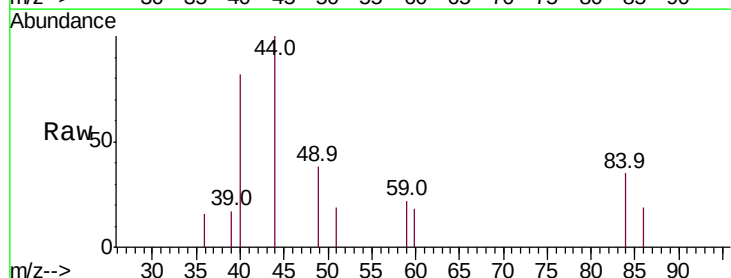
Acq: 28 Feb 2019 19:14

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

250

200

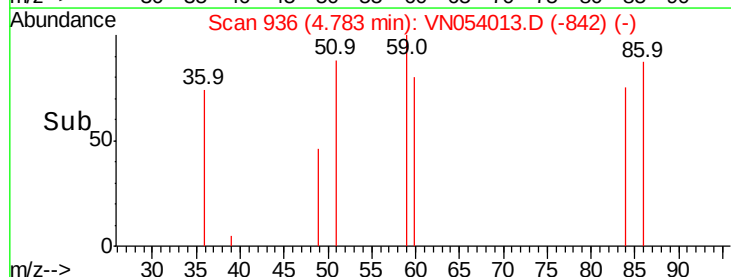
150

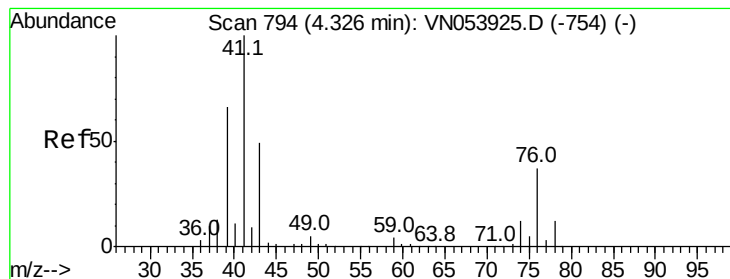
100

50

0

Time--> 4.78 4.80





#14

Allvl chloride

Concen: 3.252 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.23 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

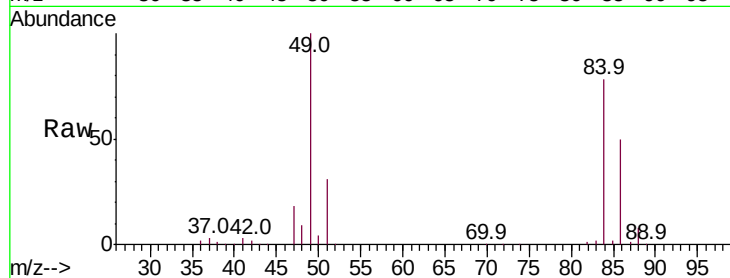
Tot Ion: 41 Resp: 34031

Ion Ratio Lower Upper

41 100

39 0.3 48.8 73.2#

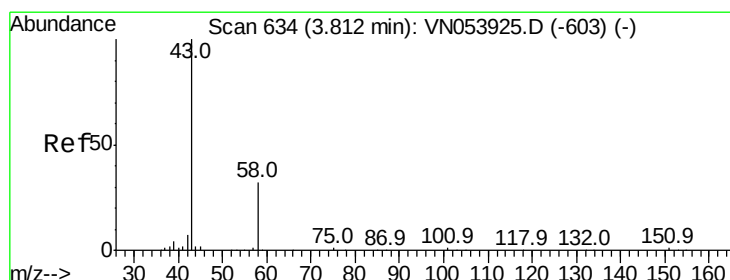
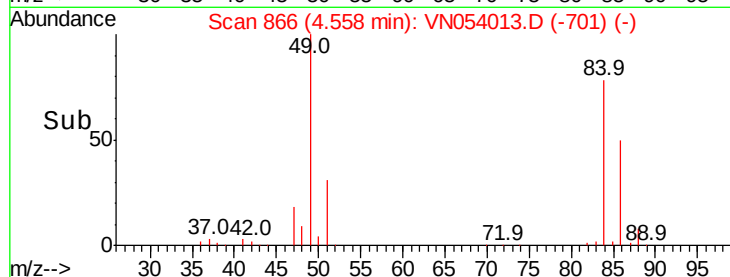
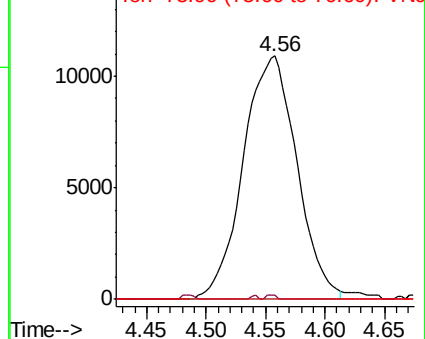
76 0.0 30.9 46.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN054013.D

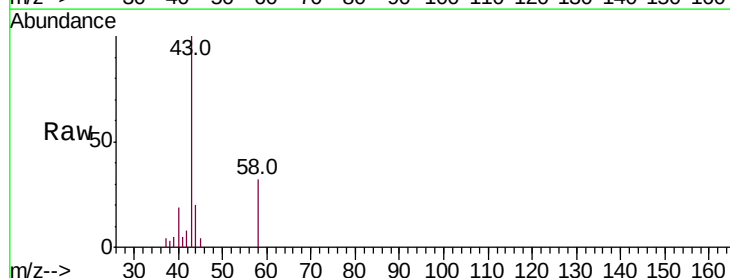
Acq: 28 Feb 2019 19:14

Tgt Ion: 43 Resp: 14836

Ion Ratio Lower Upper

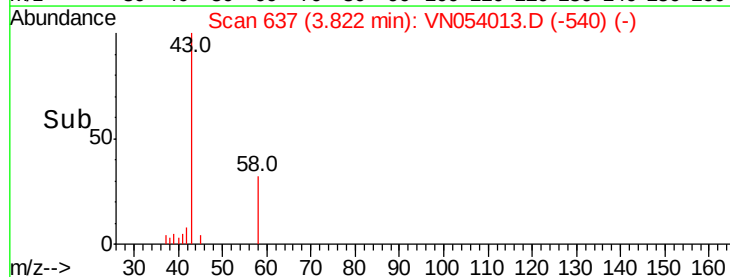
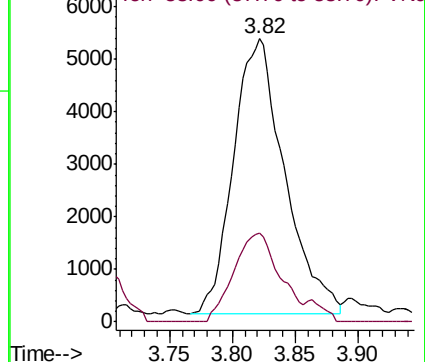
43 100

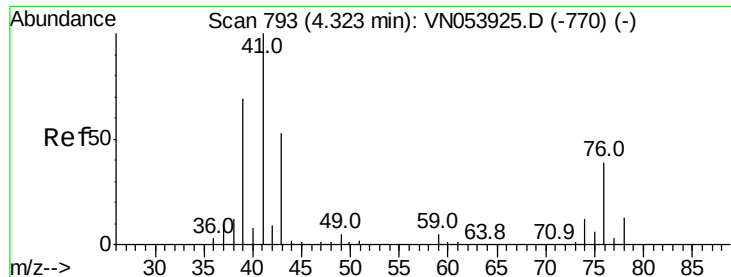
58 32.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

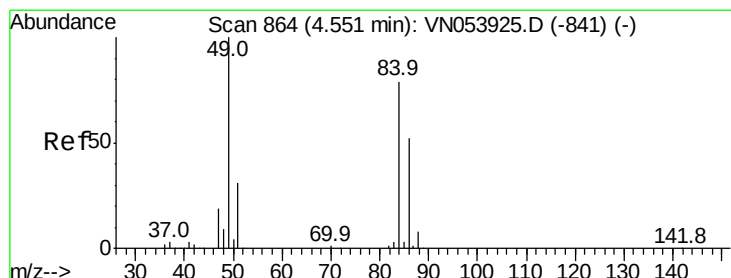
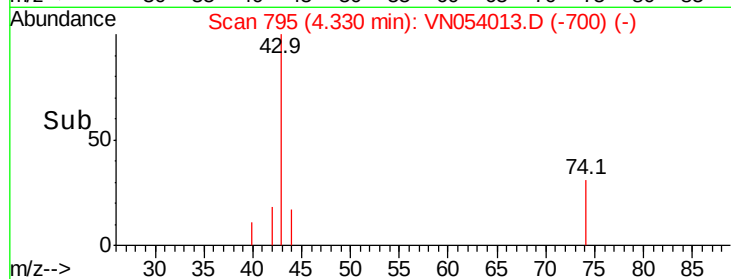
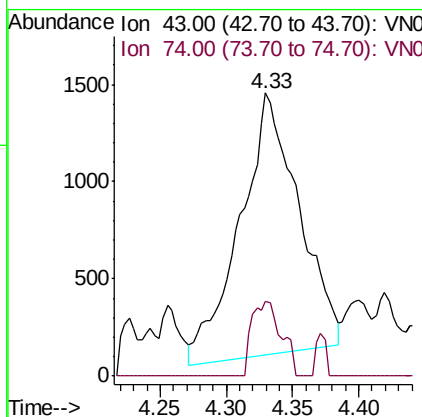
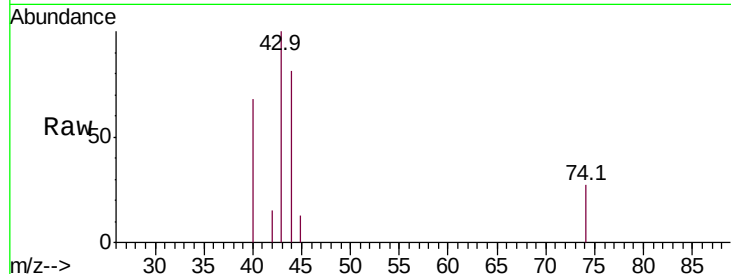




#18
Methyl Acetate
Concen: 0.837 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

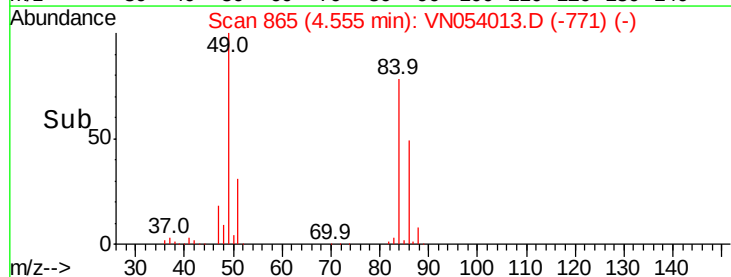
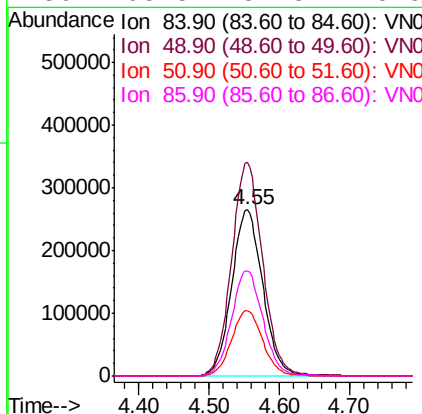
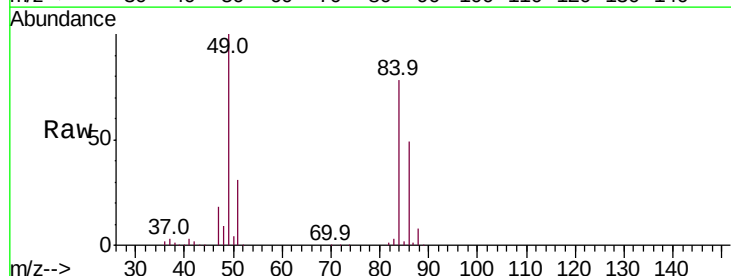
Instrument :
MSVOA_N
ClientSampled :

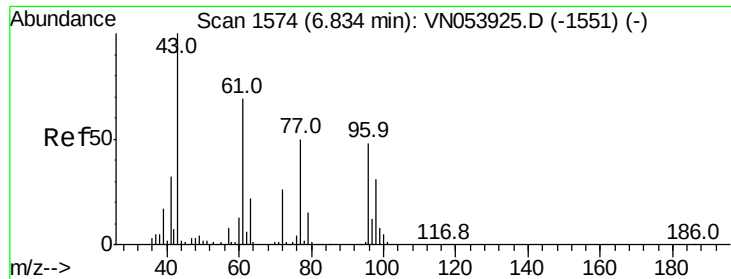
Tot Ion: 43 Resp: 4147
Ion Ratio Lower Upper
43 100
74 14.3 20.5 30.7#



#20
Methylene Chloride
Concen: 116.298 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 84 Resp: 815424
Ion Ratio Lower Upper
84 100
49 128.5 89.7 134.5
51 39.4 27.8 41.8
86 63.5 51.3 76.9

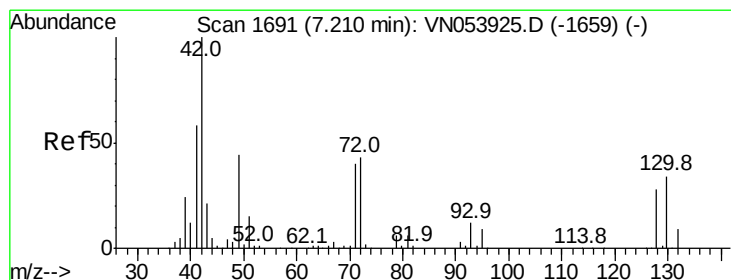
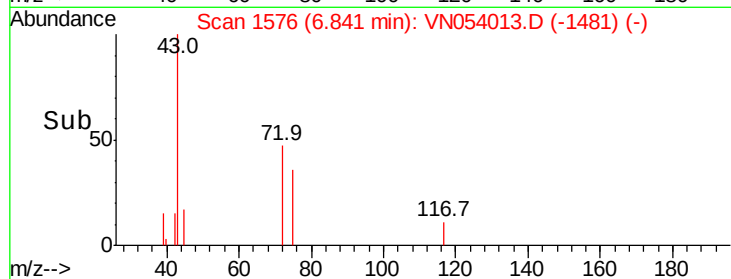
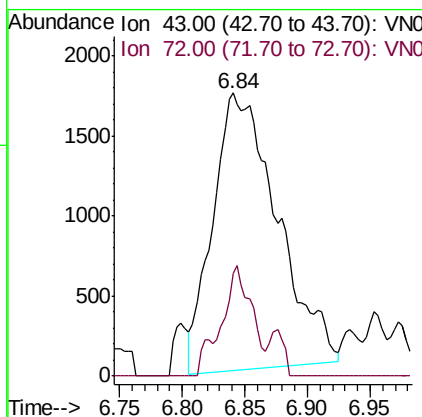
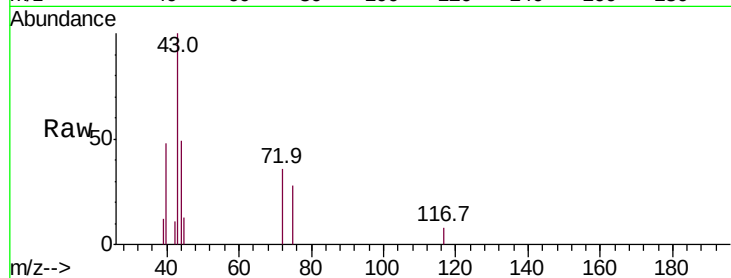




#25
2-Butanone
Concen: 2.225 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

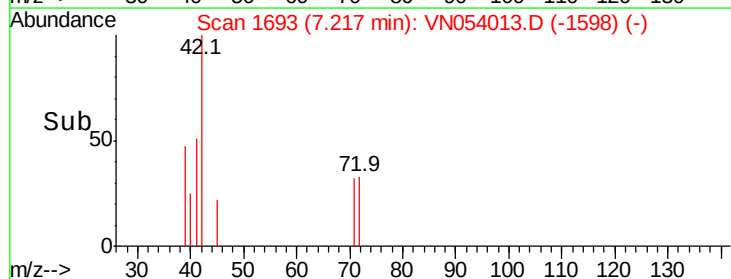
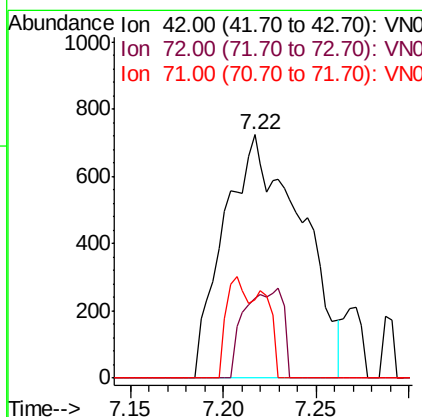
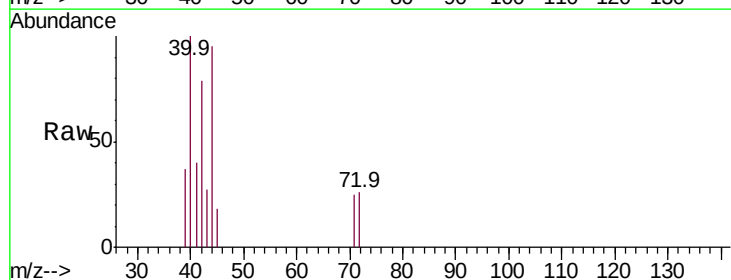
Instrument :
MSVOA_N
ClientSampled :

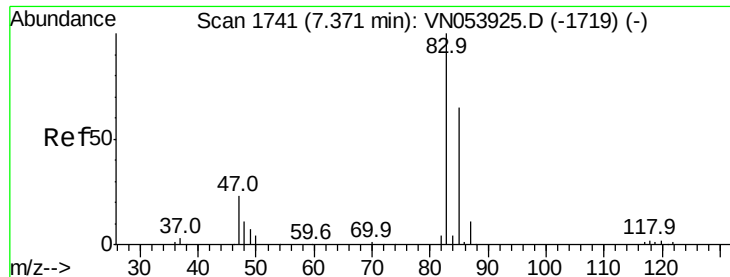
Tot Ion: 43 Resp: 6189
Ion Ratio Lower Upper
43 100
72 39.6 22.1 33.1#



#29
Tetrahydrofuran
Concen: 1.129 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 42 Resp: 2092
Ion Ratio Lower Upper
42 100
72 0.0 36.9 55.3#
71 11.5 34.6 52.0#

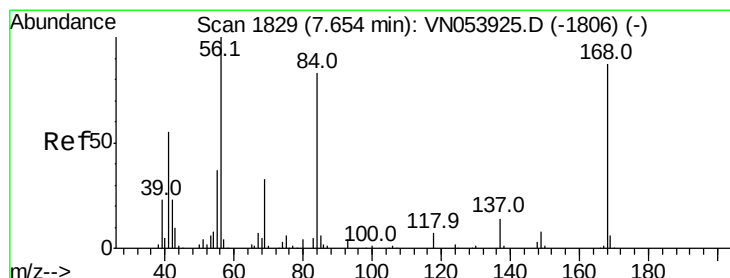
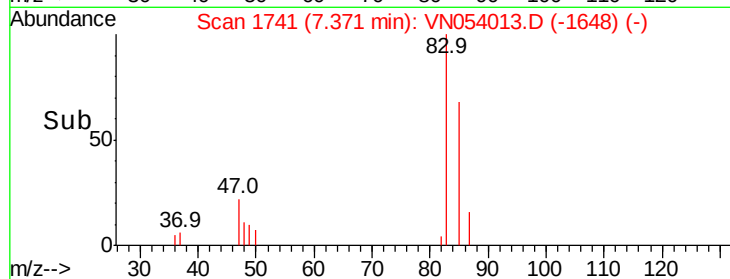
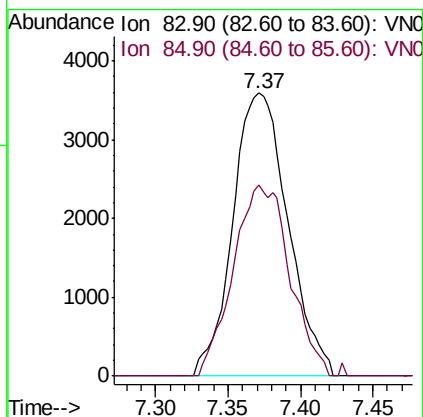
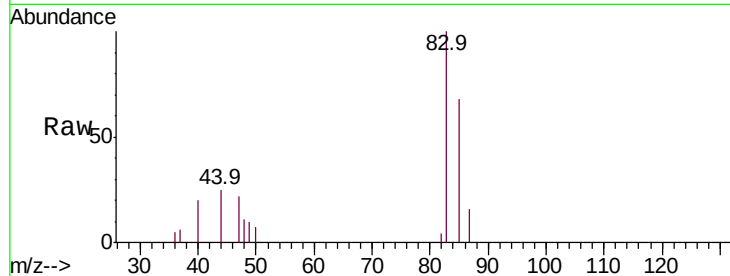




#30
Chloroform
Concen: 0.791 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

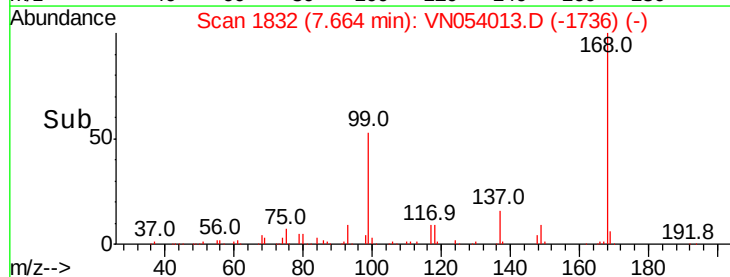
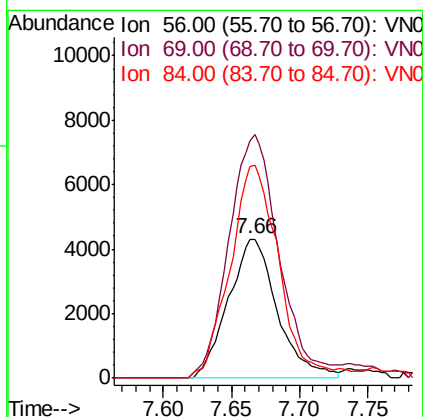
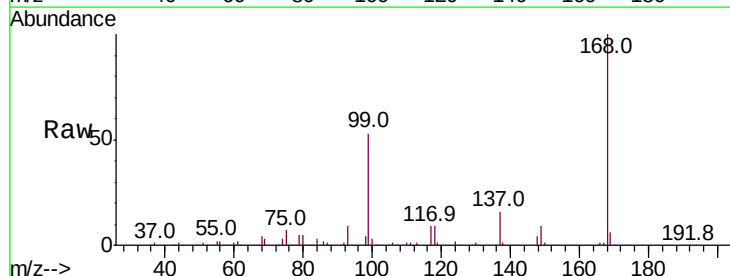
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MSVOA_N
ClientSampled :

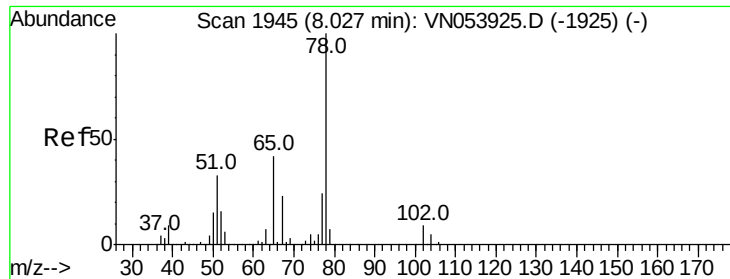
Tot Ion: 83 Resp: 9490
Ion Ratio Lower Upper
83 100
85 67.6 52.6 78.8



#31
Cyclohexane
Concen: 0.546 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 56 Resp: 10776
Ion Ratio Lower Upper
56 100
69 170.7 26.0 39.0#
84 152.4 69.1 103.7#

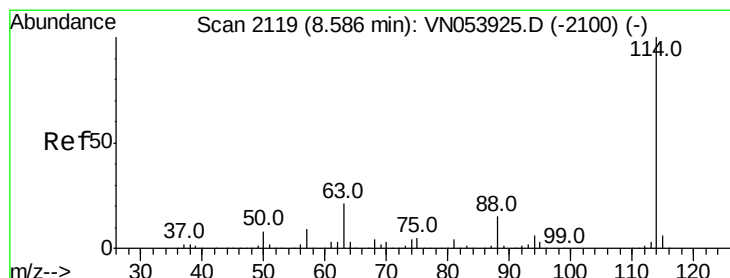
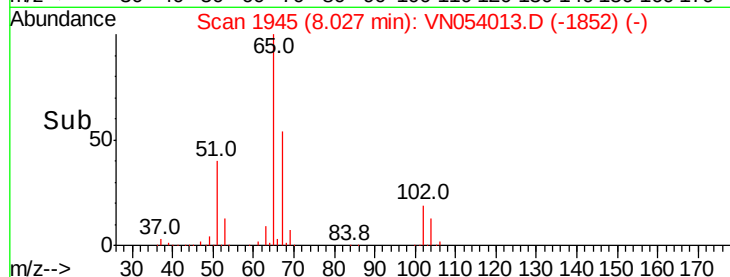
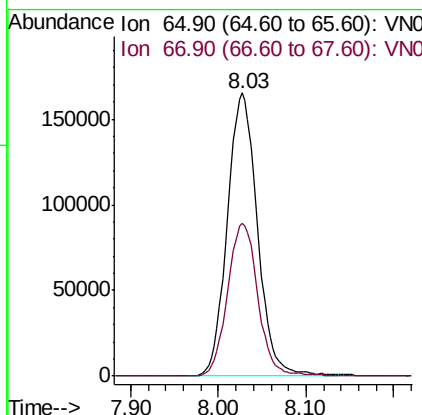
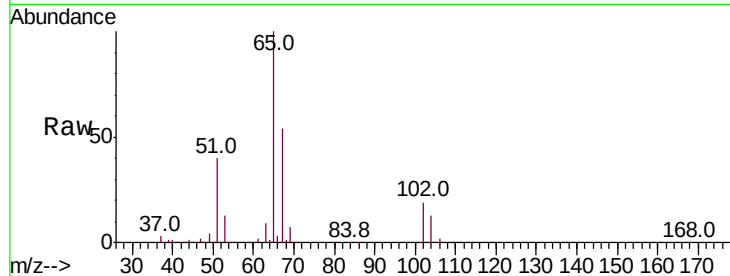




#33
 1,2-Dichloroethane-d4
 Concen: 55.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

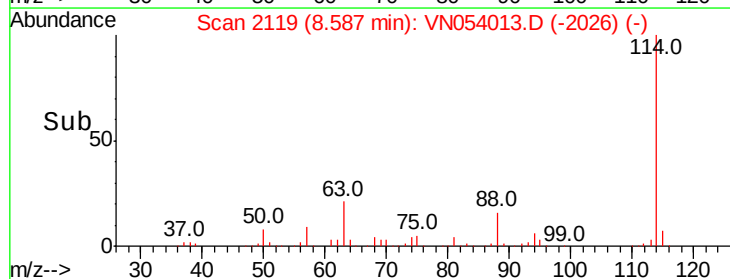
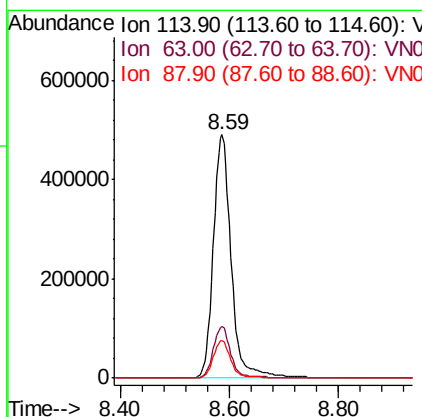
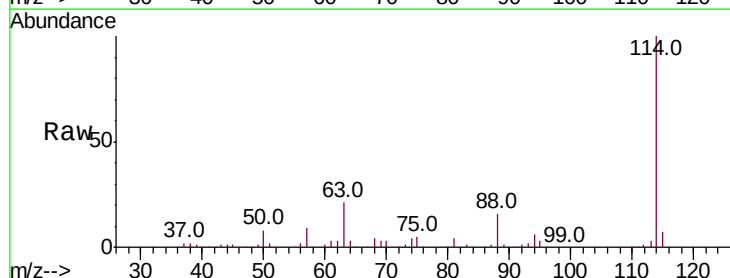
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 ClientSampleId :

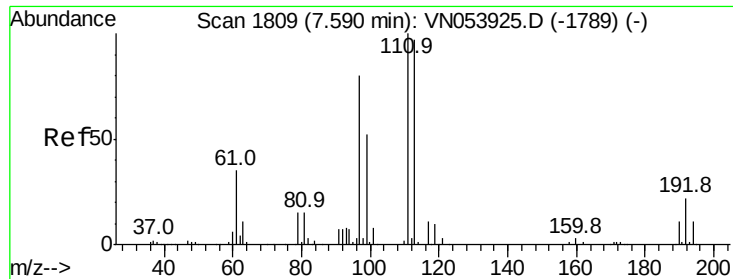
Tot Ion: 65 Resp: 396137
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 114 Resp: 1113971
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 37.4
 88 15.6 0.0 30.4

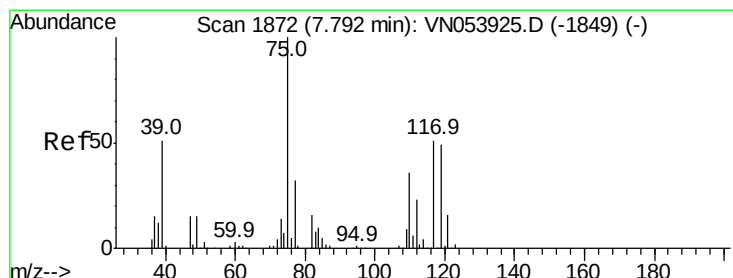
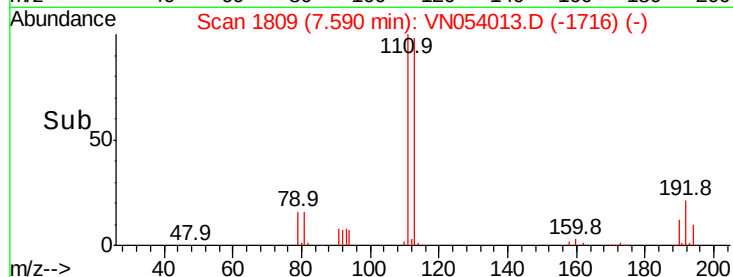
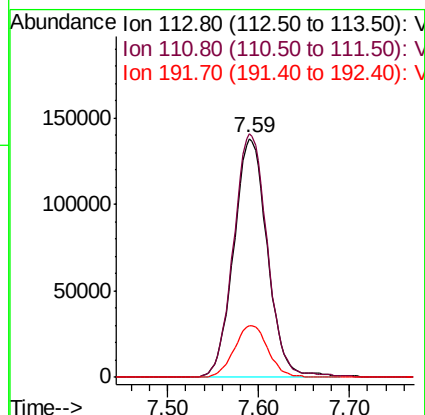
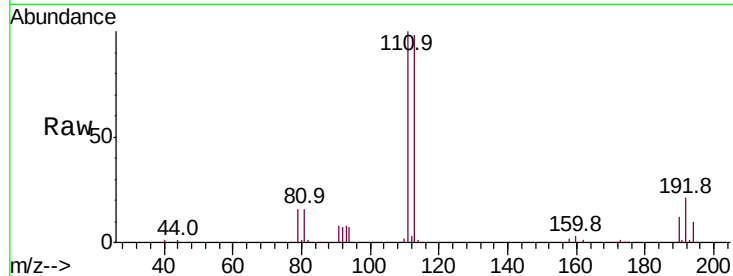




#35
 Dibromofluoromethane
 Concen: 49.207 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

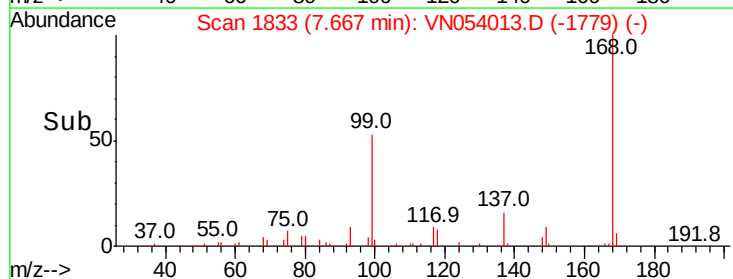
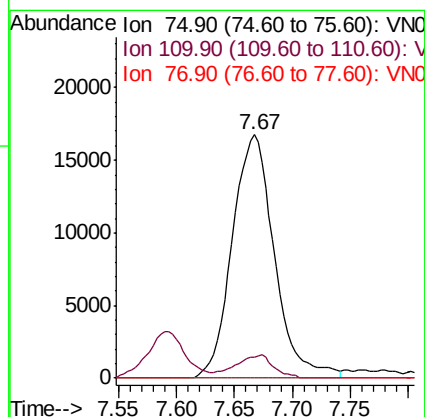
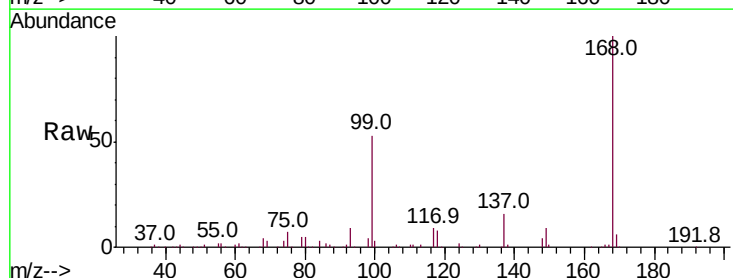
Instrument :
 MSVOA_N
 ClientSampleId :

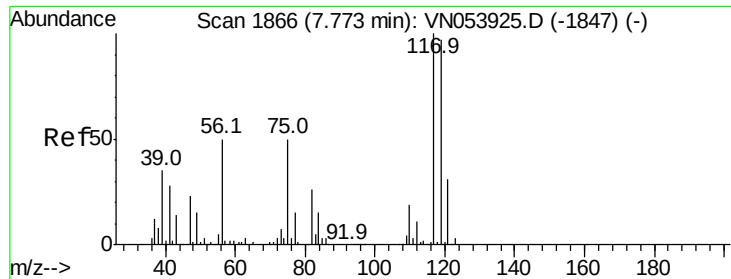
Tot Ion:113 Resp: 354470
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 21.7 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 4.096 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 75 Resp: 42433
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.0 57.0#
 77 0.0 25.4 38.0#

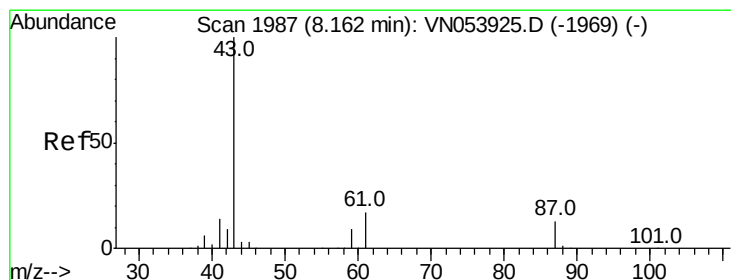
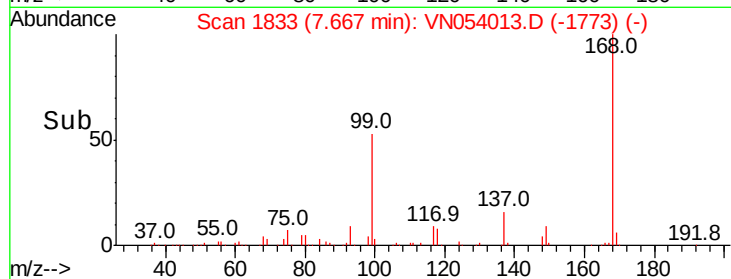
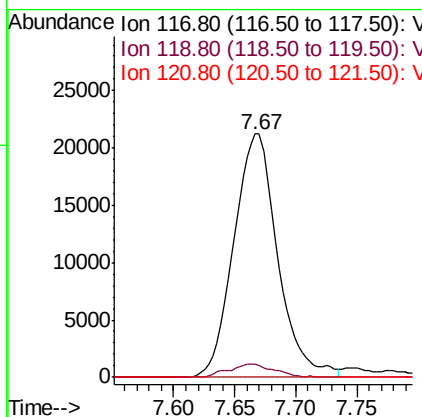
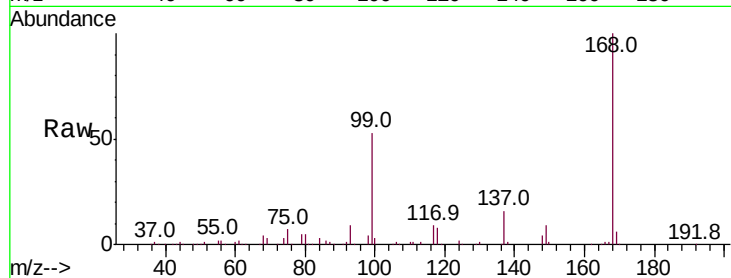




#38
Carbon Tetrachloride
Concen: 4.894 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

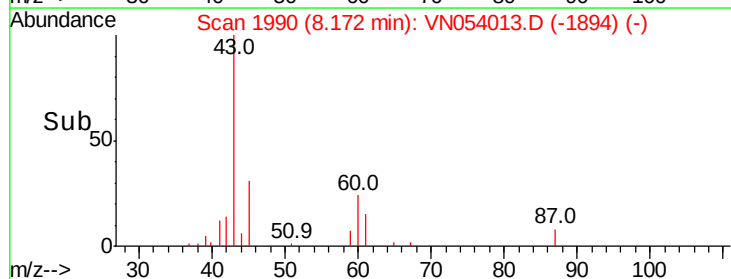
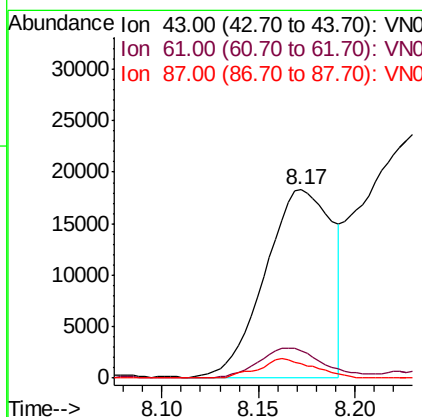
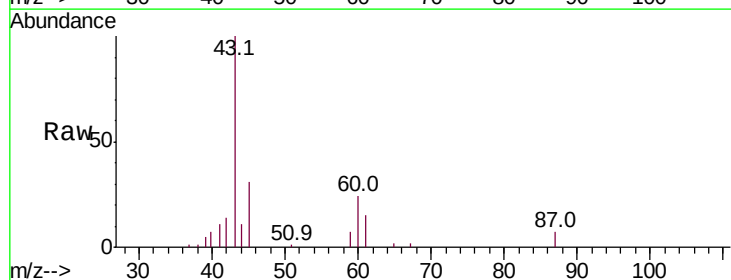
Instrument :
MSVOA_N
ClientSampled :

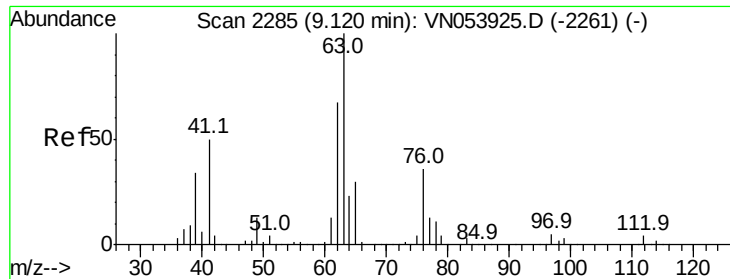
Tot Ion:117 Resp: 52732
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 3.550 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 43 Resp: 44335
Ion Ratio Lower Upper
43 100
61 15.3 17.4 26.0#
87 8.3 11.5 17.3#

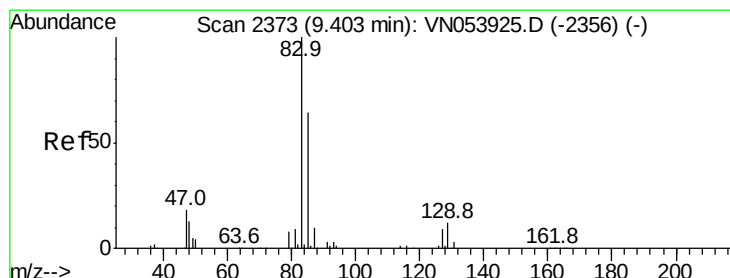
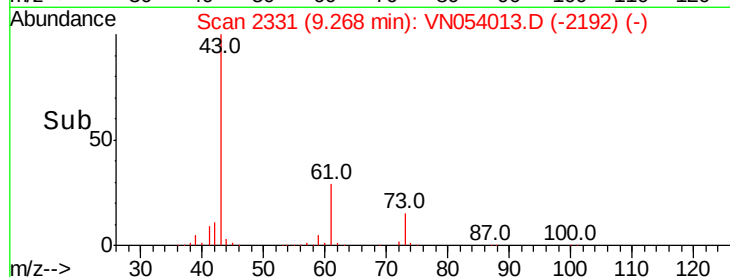
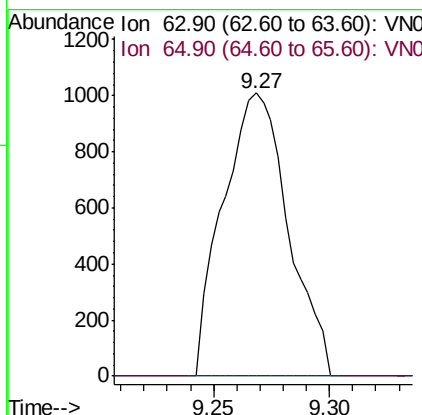
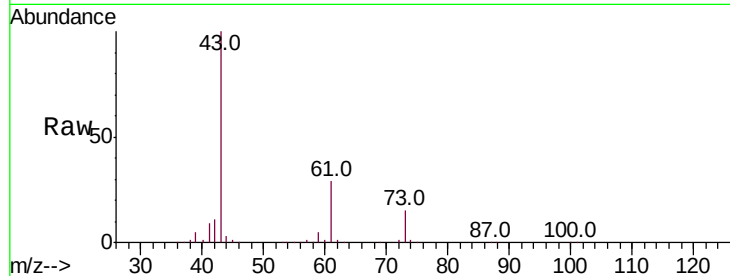




#45
 1,2-Dichloropropane
 Concen: 0.230 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

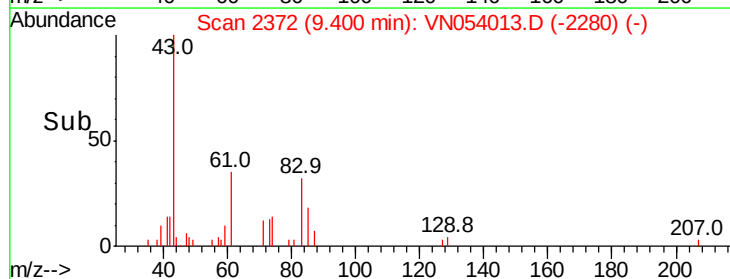
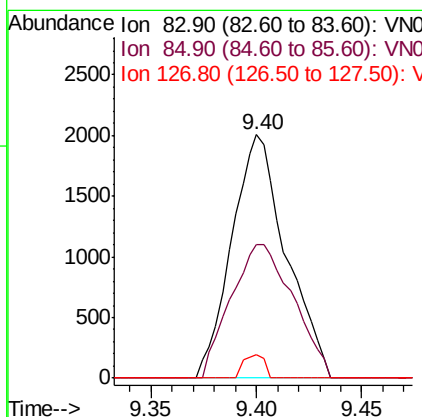
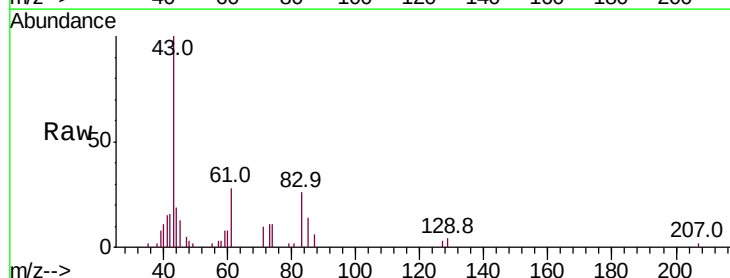
Instrument :
 MSVOA_N
 ClientSampleId :

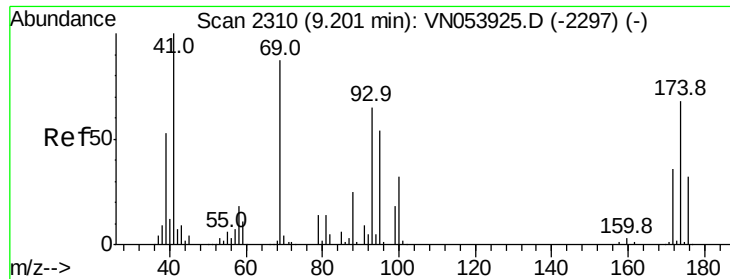
Tot Ion: 63 Resp: 1979
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.3 36.5#



#47
 Bromodichloromethane
 Concen: 0.342 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 83 Resp: 3597
 Ion Ratio Lower Upper
 83 100
 85 54.7 51.8 77.6
 127 9.9 7.4 11.0

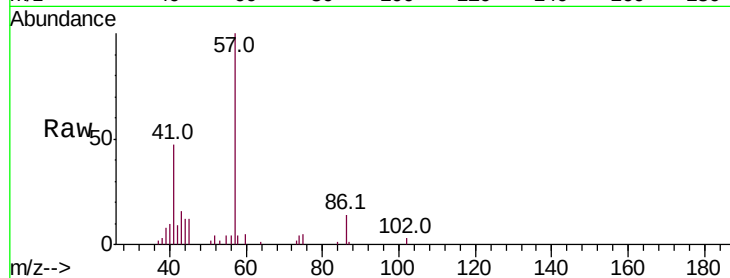




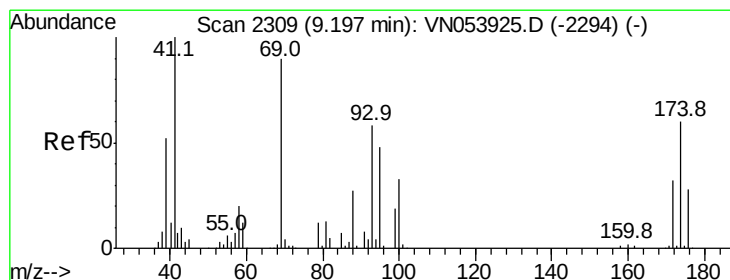
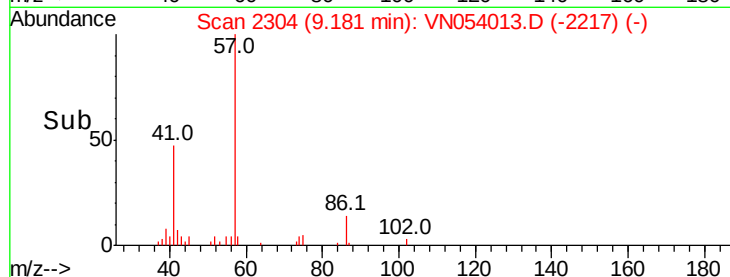
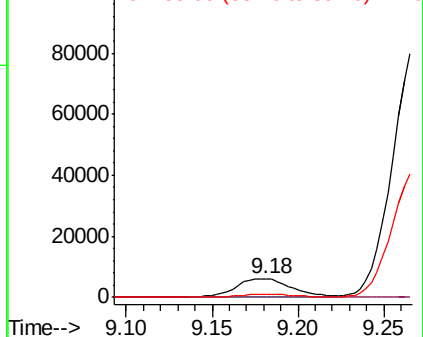
#48
Methyl methacrylate
Concen: 2.253 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 12944
Ion Ratio Lower Upper
41 100
69 0.0 74.8 112.2#
39 0.0 39.0 58.6#

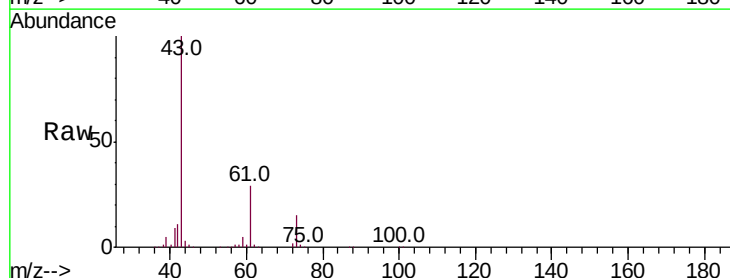


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

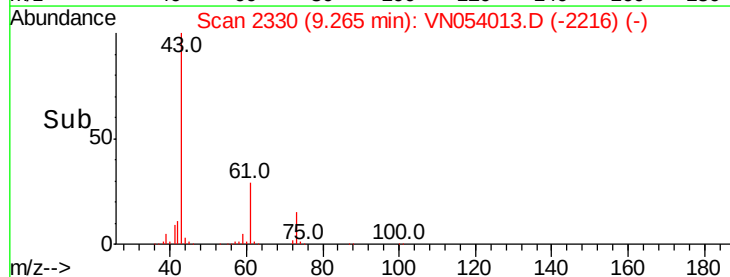
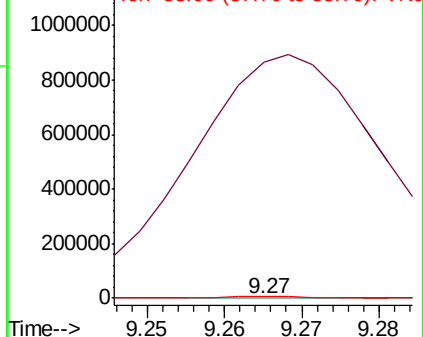


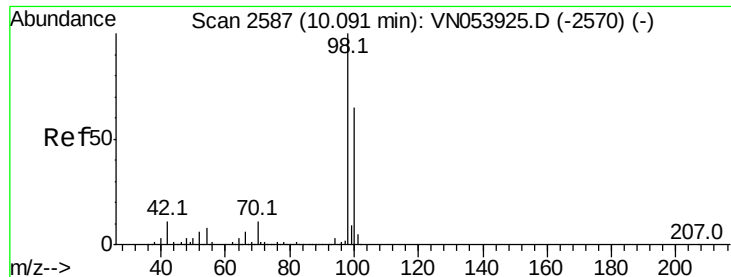
#49
1,4-Dioxane
Concen: 1.311 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 1749662.7 21.2 31.8#
58 8334.3 54.2 81.2#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 52.733 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

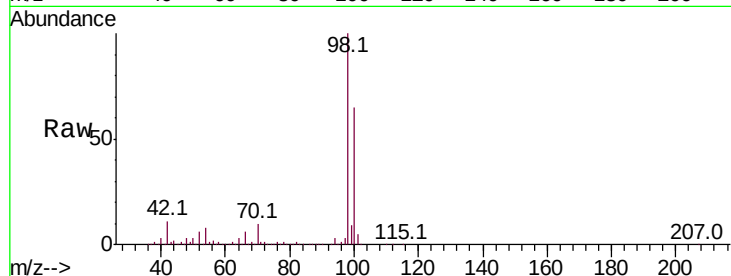
ClientSampleId :

Tot Ion: 98 Resp: 1414078

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)

10.09

800000

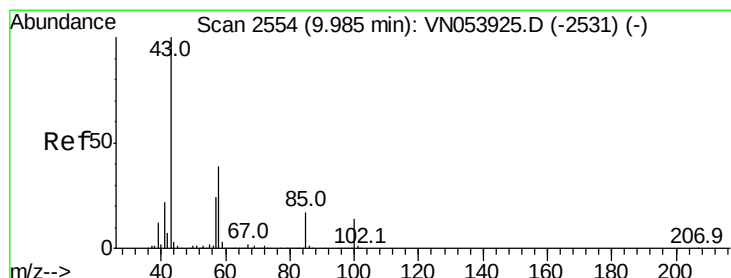
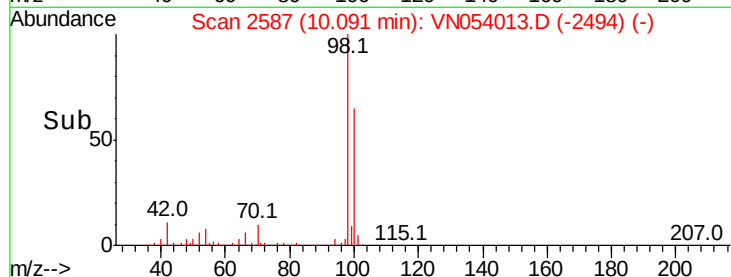
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.627 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054013.D

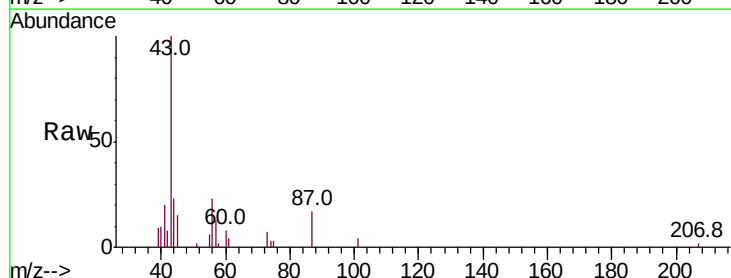
Acq: 28 Feb 2019 19:14

Tgt Ion: 43 Resp: 10445

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

10.02

8000

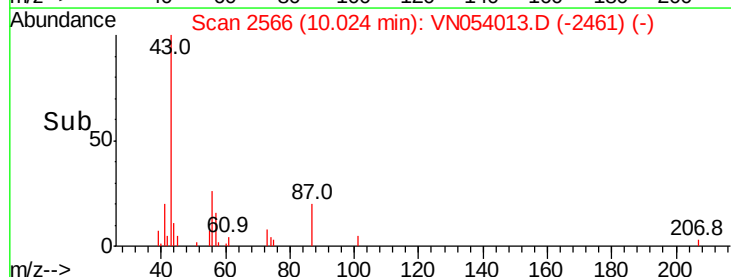
6000

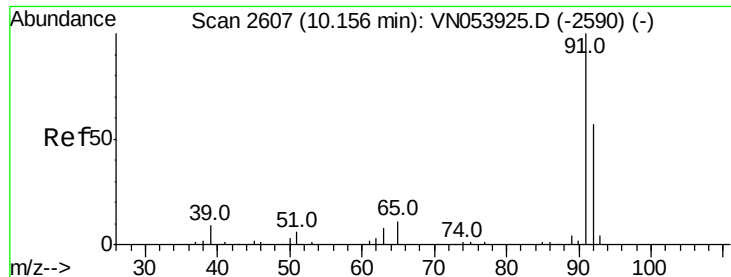
4000

2000

0

Time-->





#52

Toluene

Concen: 2.750 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

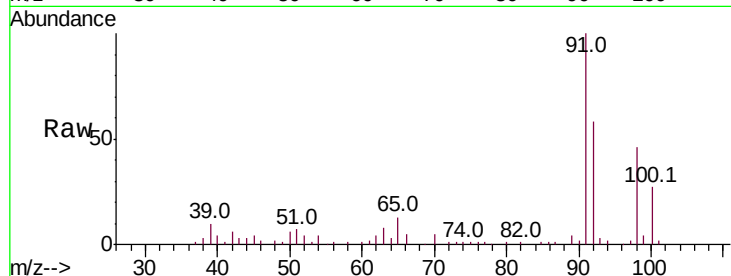
ClientSampleId :

Tot Ion: 92 Resp: 51543

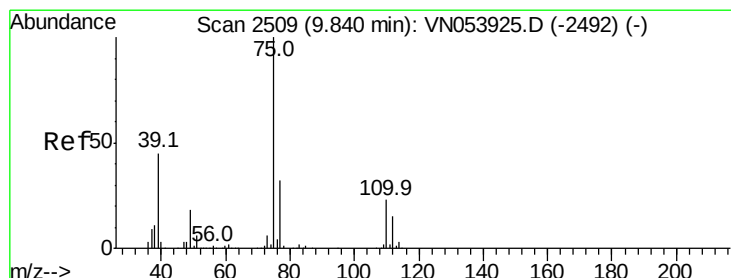
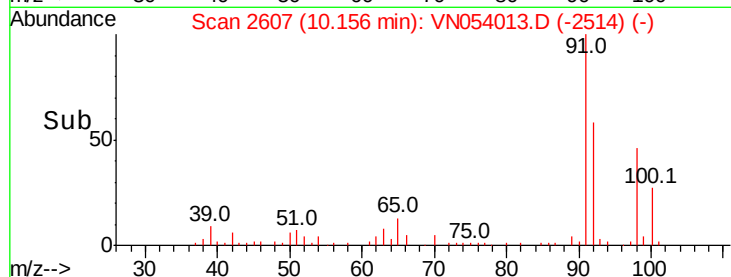
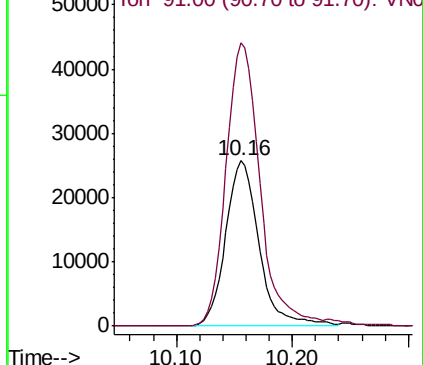
Ion Ratio Lower Upper

92 100

91 176.5 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VNO
Ion 91.00 (90.70 to 91.70): VNO



#54

cis-1,3-Dichloropropene

Concen: 6.351 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

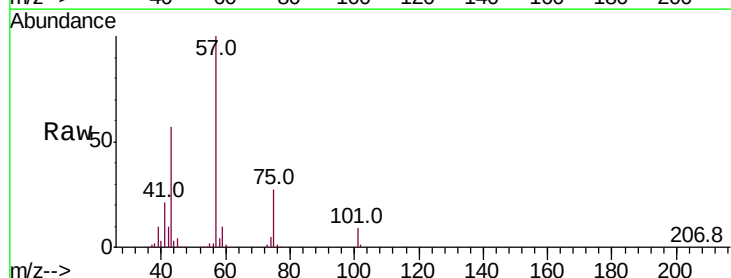
Tgt Ion: 75 Resp: 76531

Ion Ratio Lower Upper

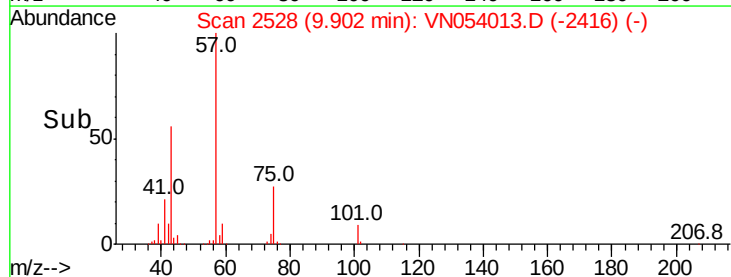
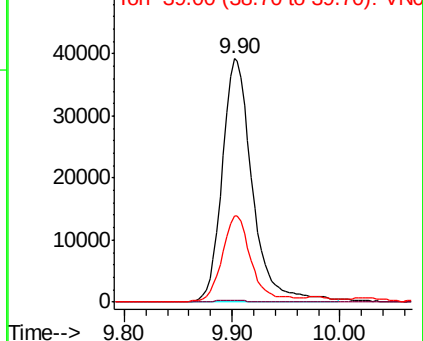
75 100

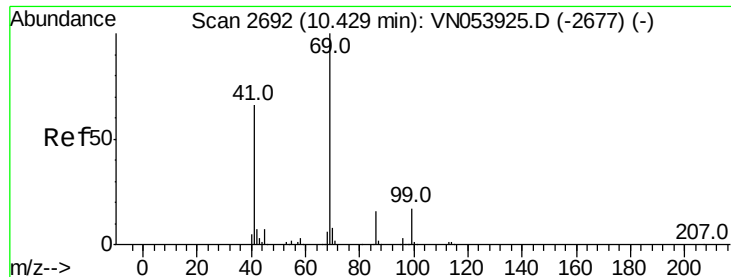
77 0.7 25.8 38.6#

39 35.1 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO





#56

Ethyl methacrylate

Concen: 1.963 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

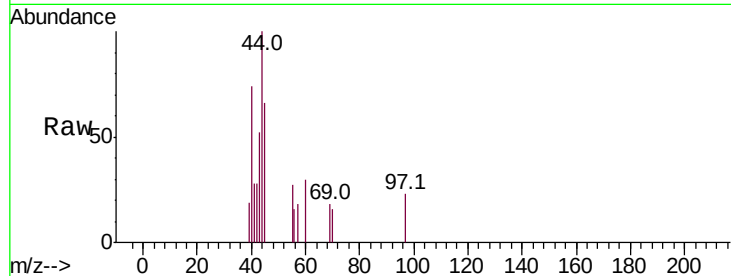
Tot Ion: 69 Resp: 75

Ion Ratio Lower Upper

69 100

41 0.0 47.5 71.3#

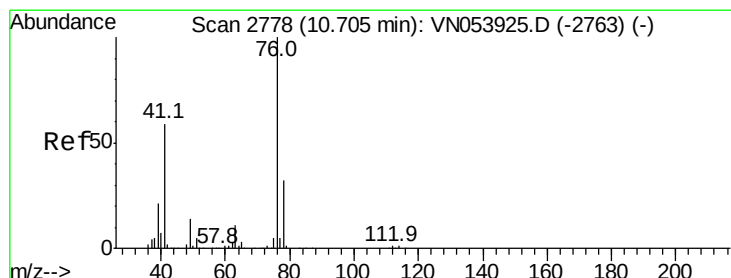
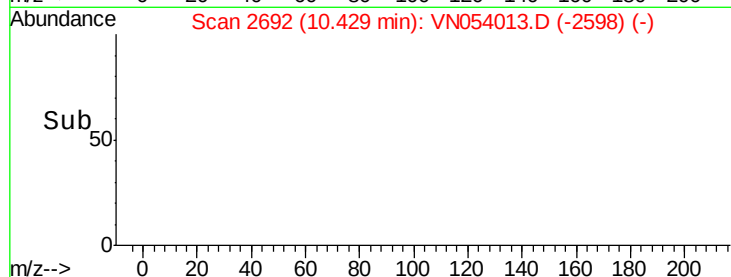
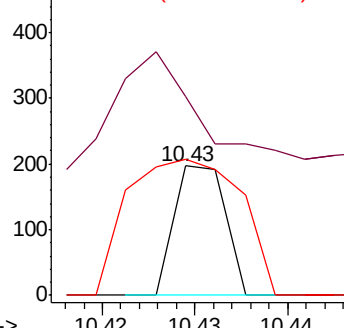
39 0.0 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.134 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054013.D

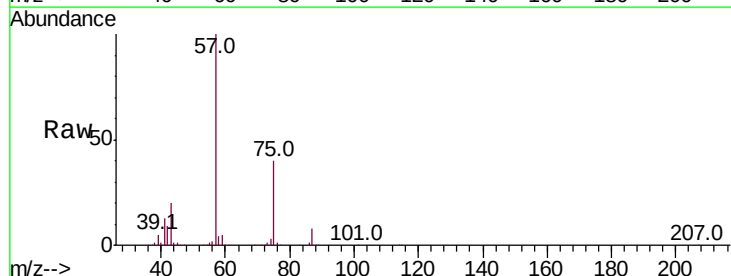
Acq: 28 Feb 2019 19:14

Tgt Ion: 76 Resp: 13408

Ion Ratio Lower Upper

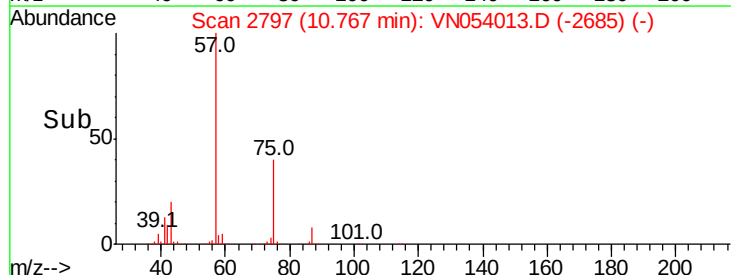
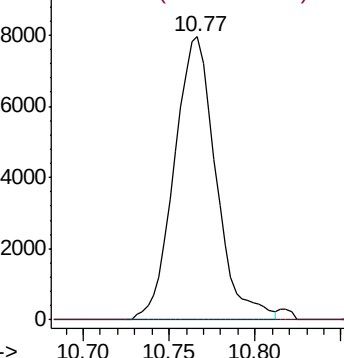
76 100

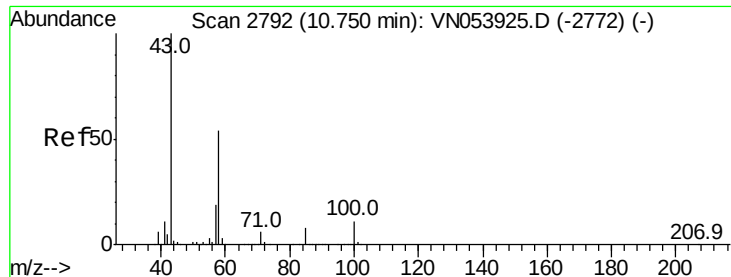
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 48.654 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

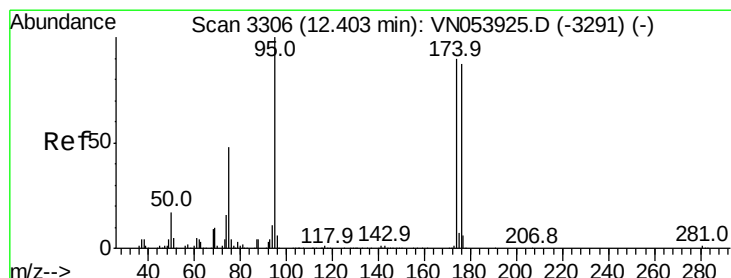
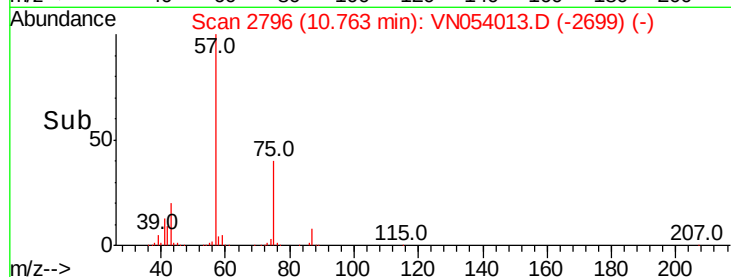
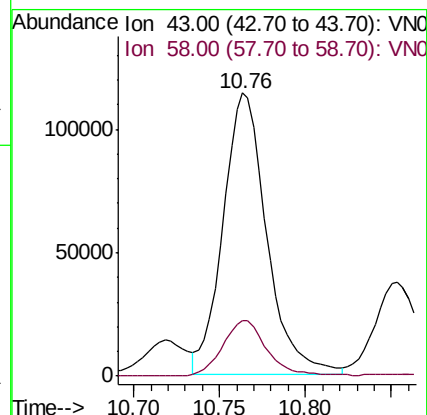
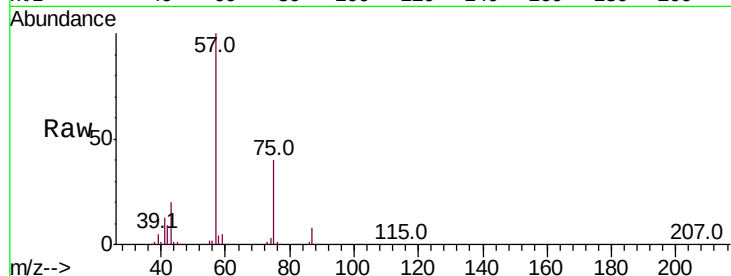
ClientSampled :

Tot Ion: 43 Resp: 203086

Ion Ratio Lower Upper

43 100

58 20.3 29.1 87.4#



#62

4-Bromofluorobenzene

Concen: 56.270 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

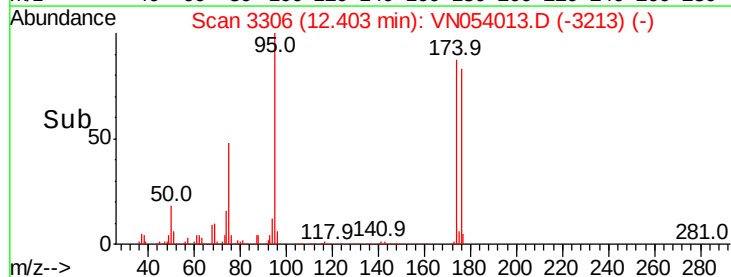
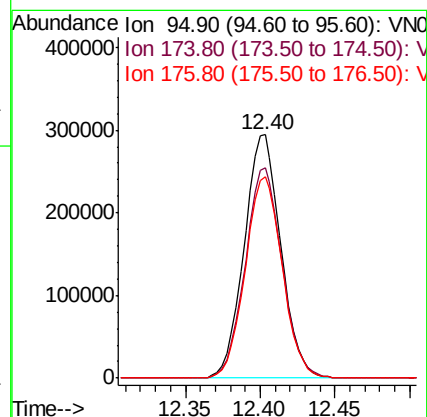
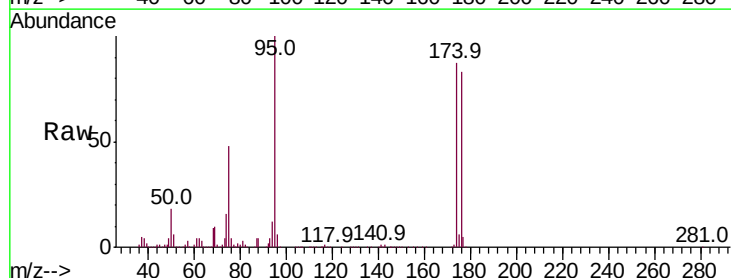
Tgt Ion: 95 Resp: 502729

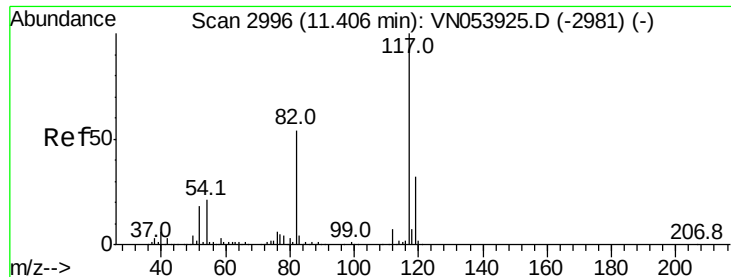
Ion Ratio Lower Upper

95 100

174 86.8 0.0 188.8

176 83.6 0.0 182.6

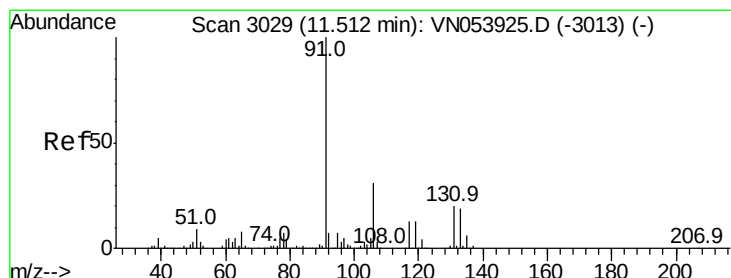
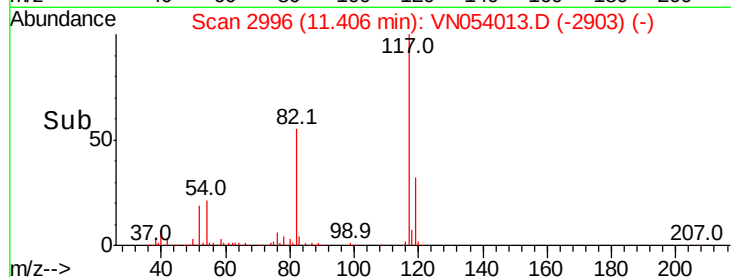
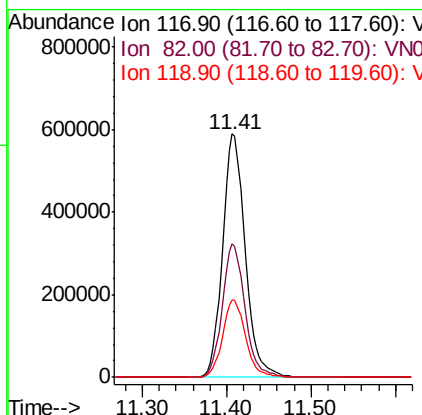
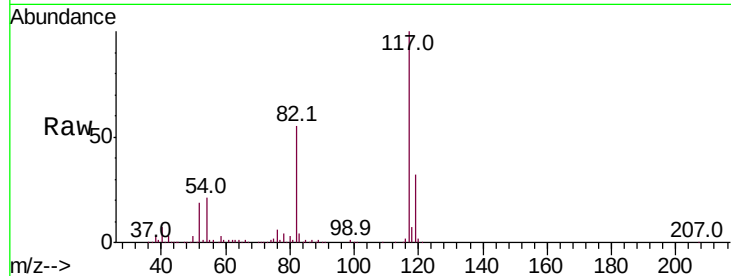




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

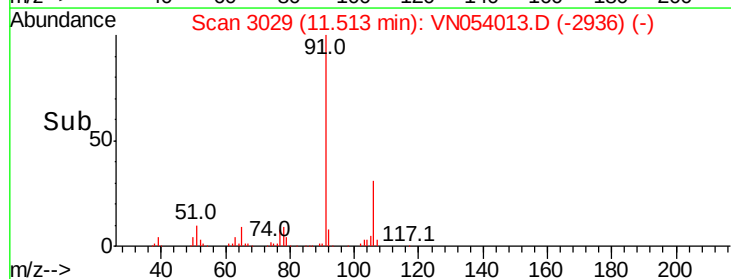
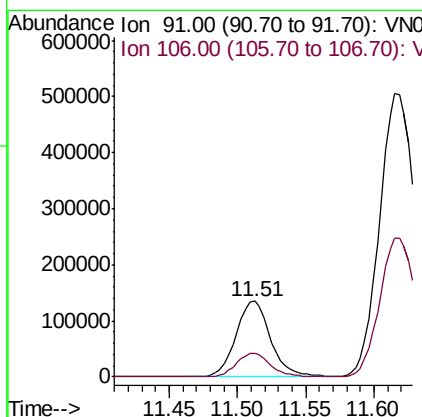
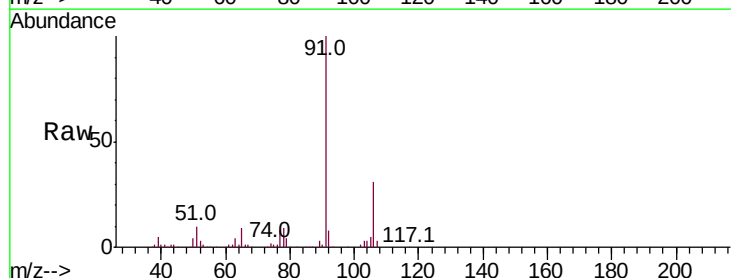
Instrument :
MSVOA_N
ClientSampleId :

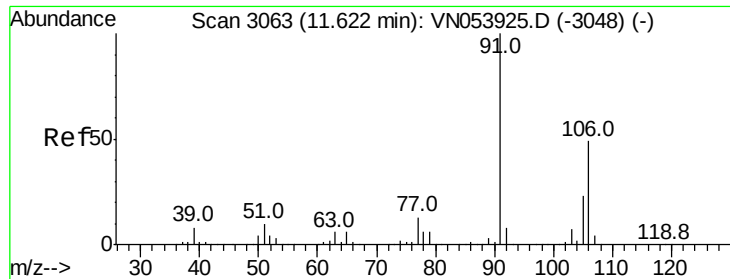
Tot Ion:117 Resp: 1096009
Ion Ratio Lower Upper
117 100
82 54.6 41.4 62.2
119 31.8 25.3 37.9



#67
Ethyl Benzene
Concen: 6.158 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion: 91 Resp: 238794
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8

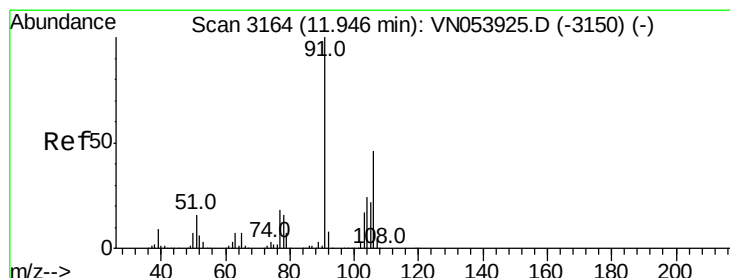
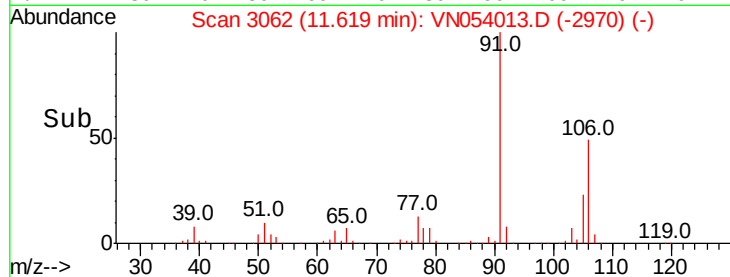
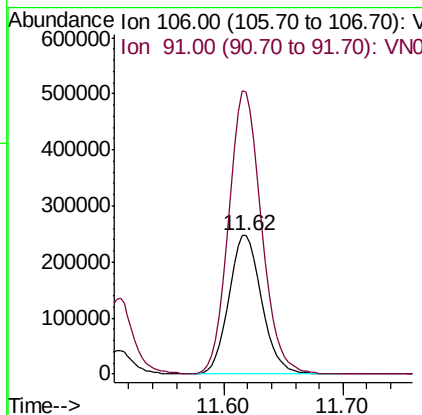
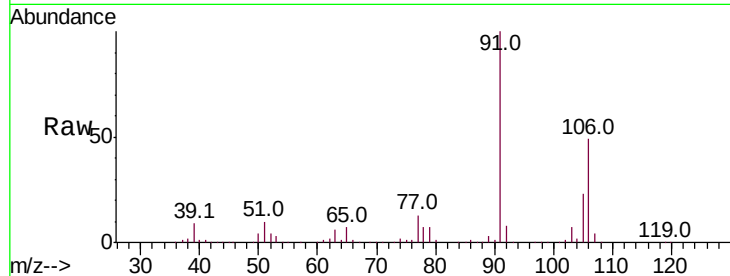




#68
m/p-Xylenes
Concen: 32.344 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

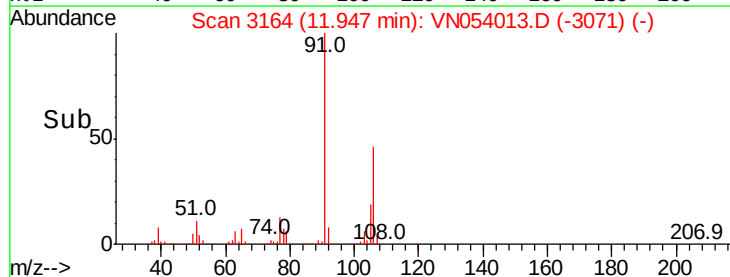
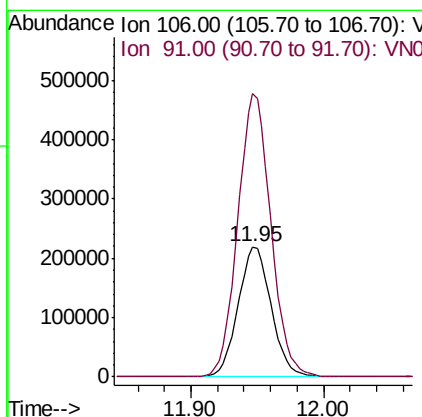
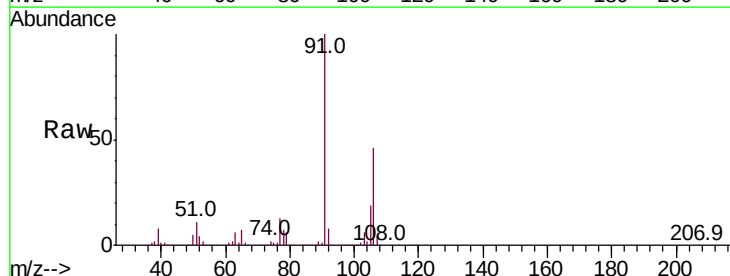
Instrument :
MSVOA_N
ClientSampleId :

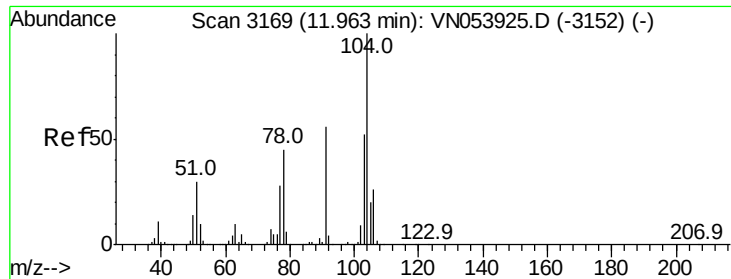
Tot Ion:106 Resp: 473376
Ion Ratio Lower Upper
106 100
91 203.9 158.9 238.3



#69
o-Xylene
Concen: 26.412 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion:106 Resp: 379823
Ion Ratio Lower Upper
106 100
91 217.8 106.0 318.0





#70

Stvrene

Concen: 0.919 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

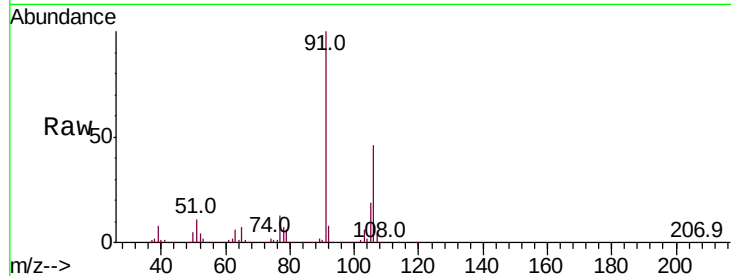
Tot Ion:104 Resp: 20337

Ion Ratio Lower Upper

104 100

78 273.3 38.1 57.1#

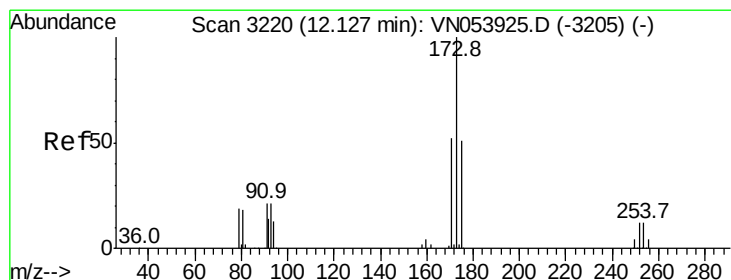
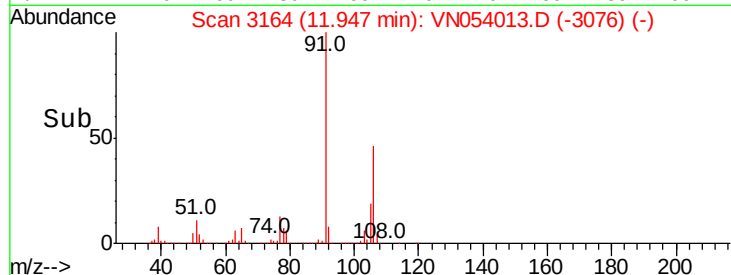
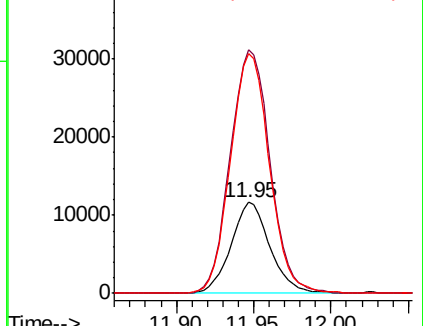
103 263.7 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.646 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

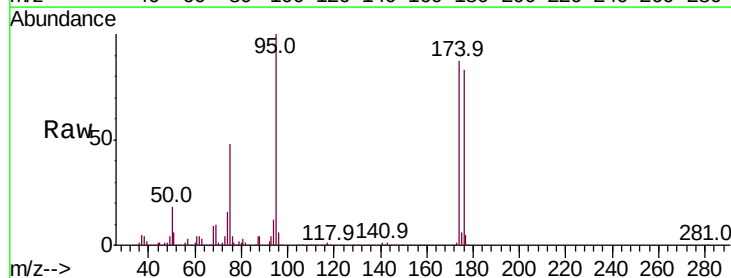
Tgt Ion:173 Resp: 3747

Ion Ratio Lower Upper

173 100

175 714.1 24.3 72.8#

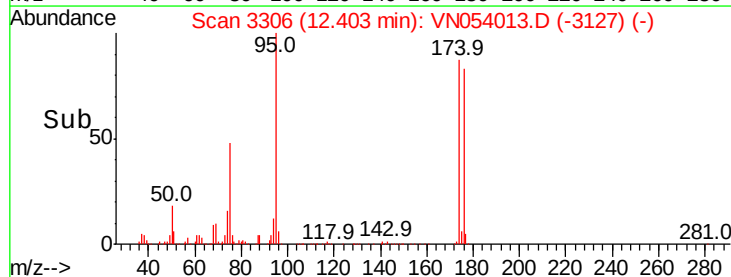
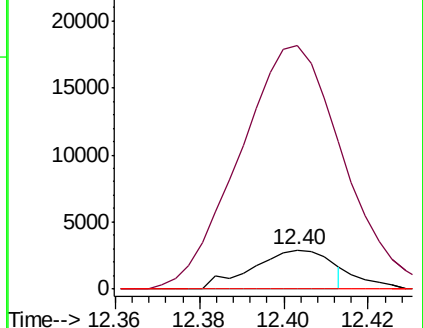
254 0.0 0.2 0.2#

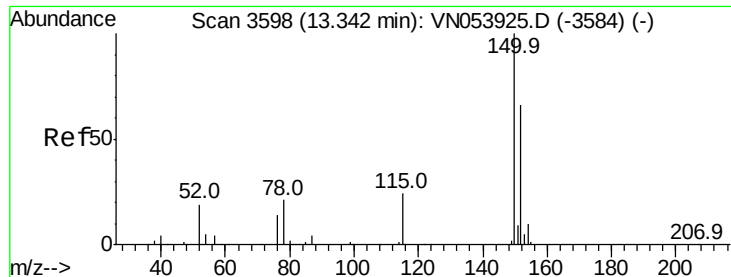


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



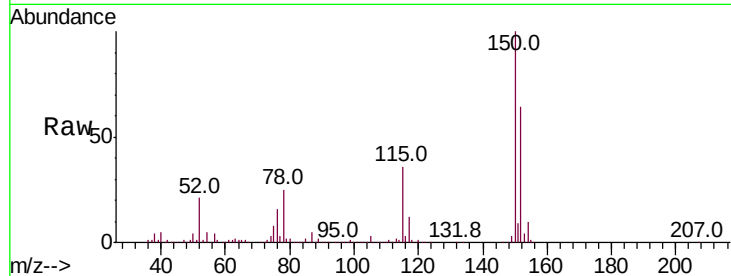


#72

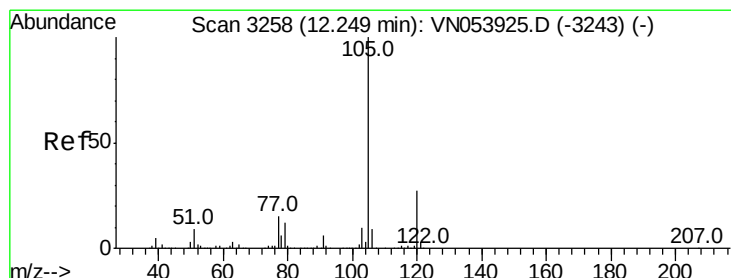
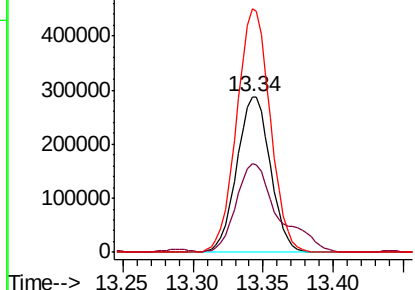
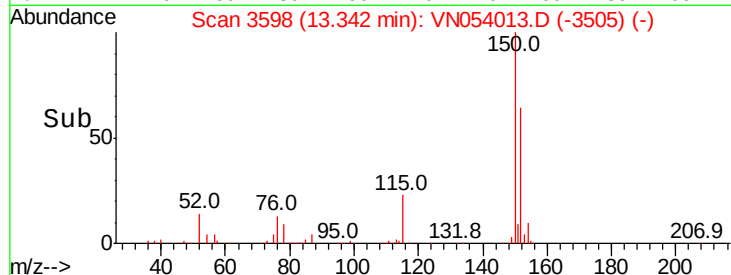
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 481444
Ion Ratio Lower Upper
152 100
115 71.0 27.2 81.6
150 155.5 0.0 348.2



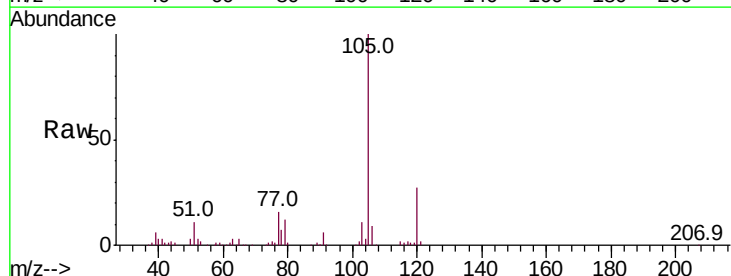
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



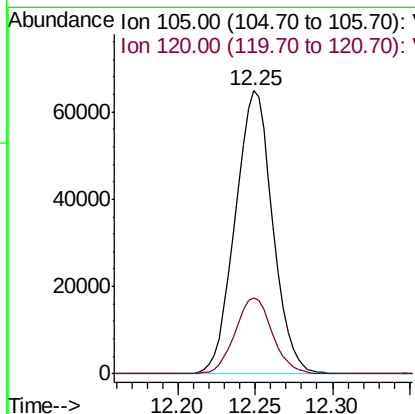
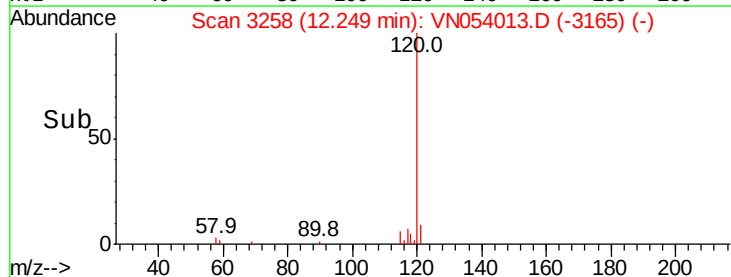
#73

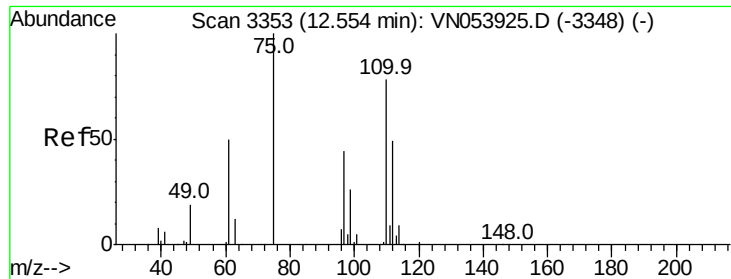
Isopropylbenzene
Concen: 2.907 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054013.D
Acq: 28 Feb 2019 19:14

Tgt Ion:105 Resp: 108941
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.5



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





#76

1,2,3-Trichloropropane

Concen: 0.959 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

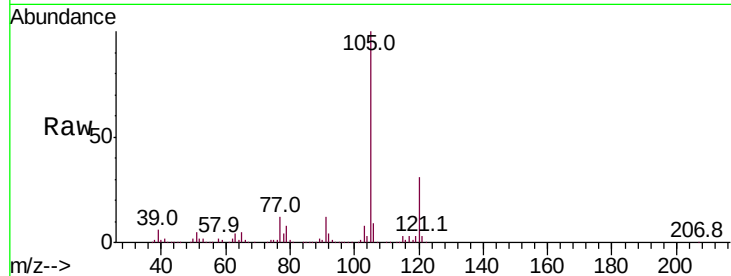
ClientSampled :

Tot Ion: 75 Resp: 7405

Ion Ratio Lower Upper

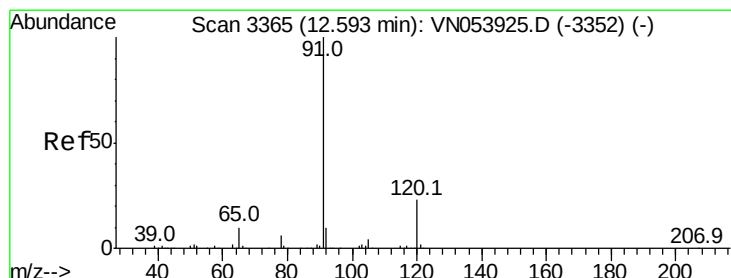
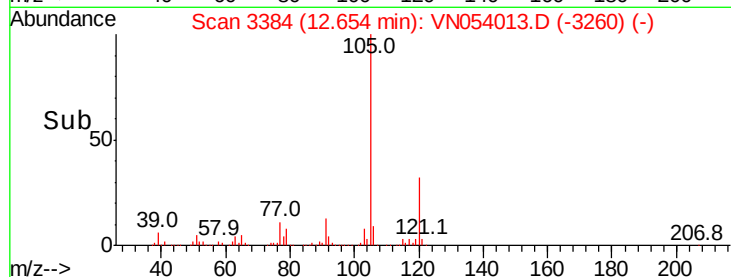
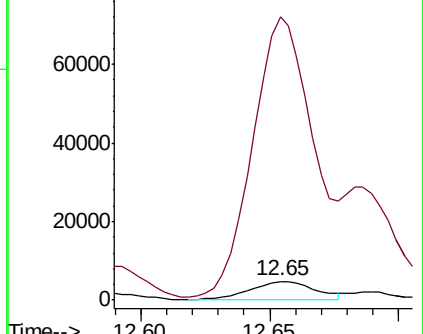
75 100

77 1589.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 8.247 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054013.D

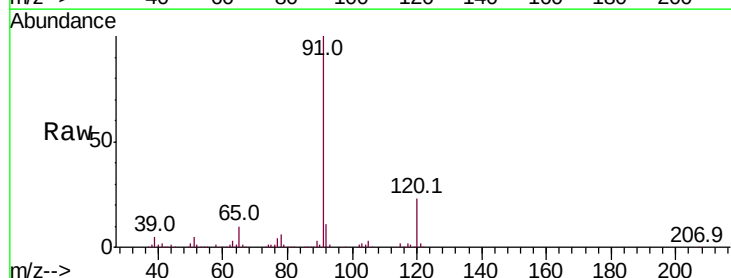
Acq: 28 Feb 2019 19:14

Tgt Ion: 91 Resp: 351490

Ion Ratio Lower Upper

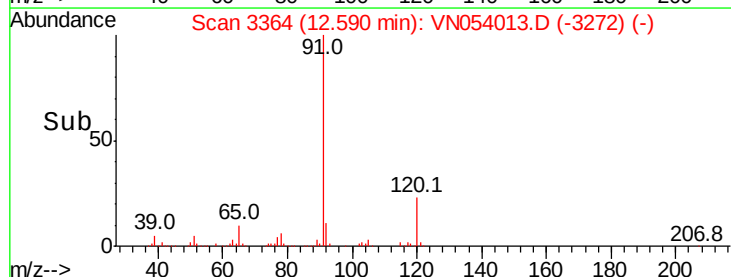
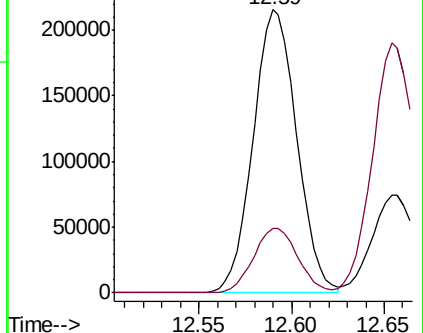
91 100

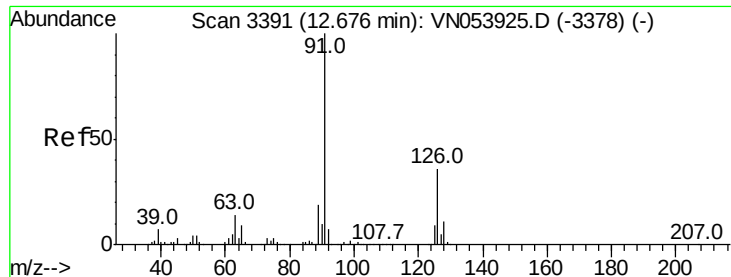
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.380 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

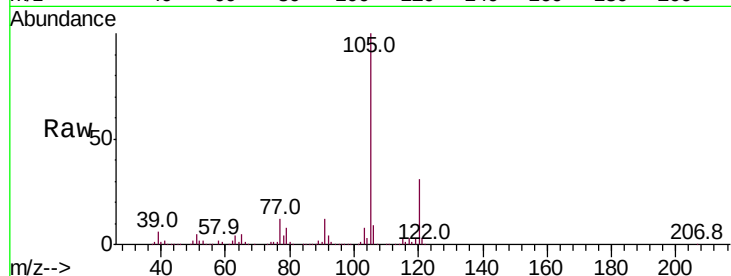
ClientSampled :

Tot Ion: 91 Resp: 112152

Ion Ratio Lower Upper

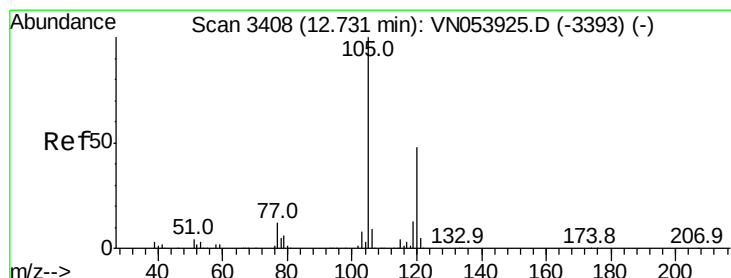
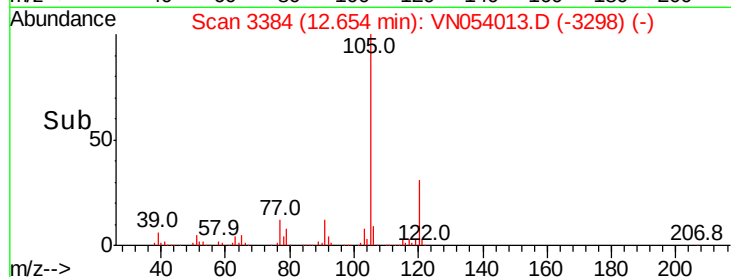
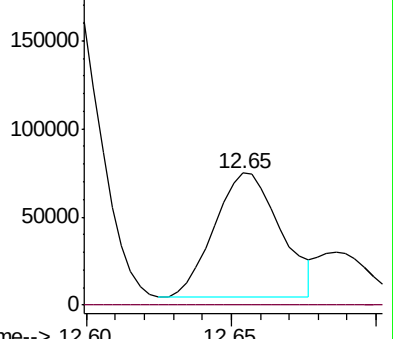
91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.242 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054013.D

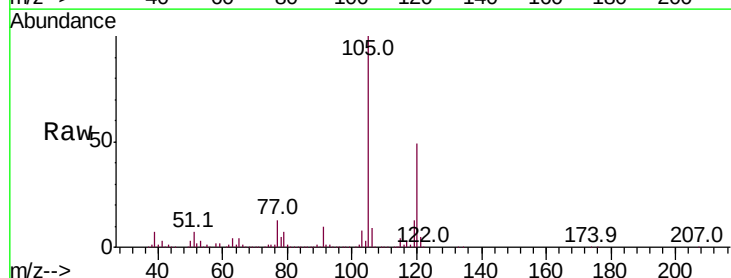
Acq: 28 Feb 2019 19:14

Tgt Ion:105 Resp: 621052

Ion Ratio Lower Upper

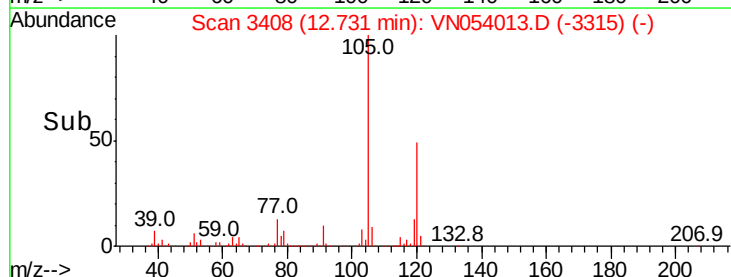
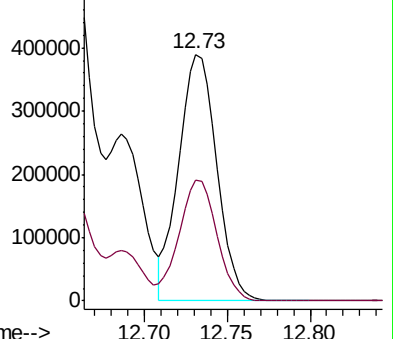
105 100

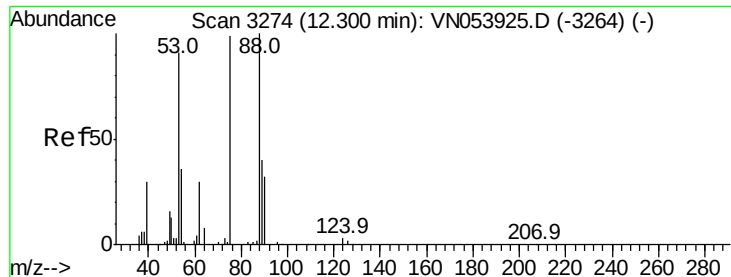
120 49.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 100.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

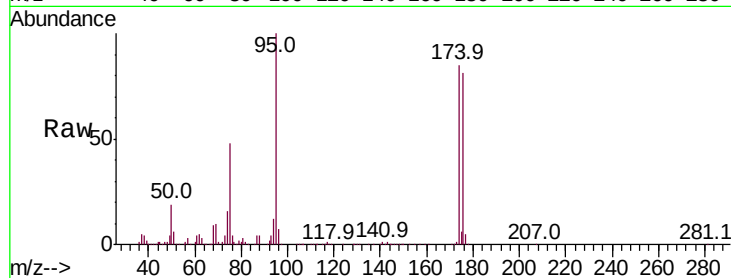
Tot Ion: 75 Resp: 244594

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

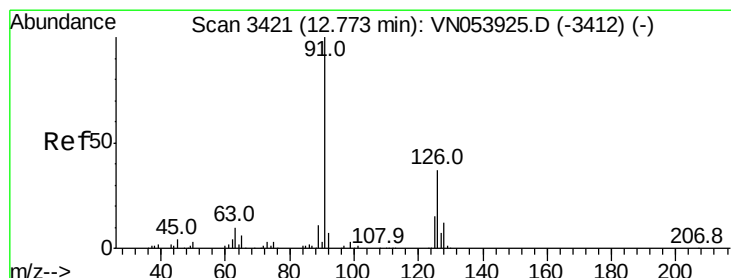
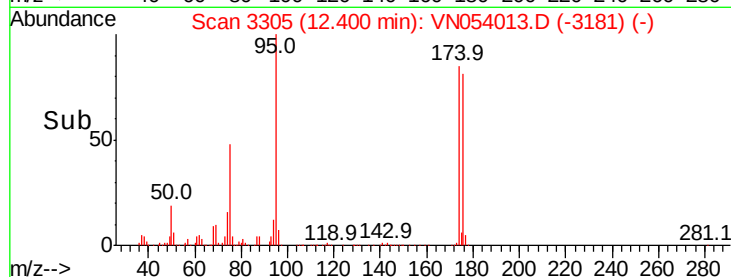
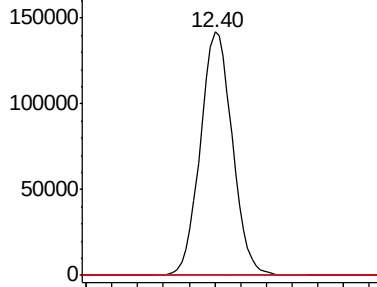
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 2.497 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054013.D

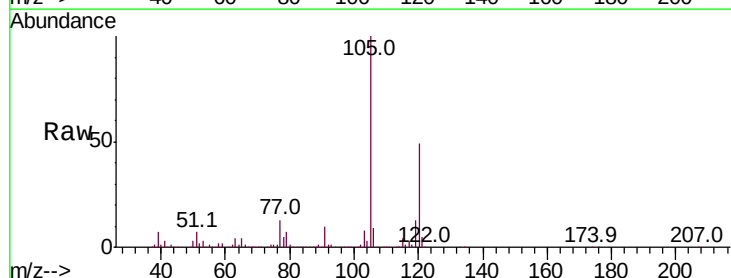
Acq: 28 Feb 2019 19:14

Tgt Ion: 91 Resp: 63174

Ion Ratio Lower Upper

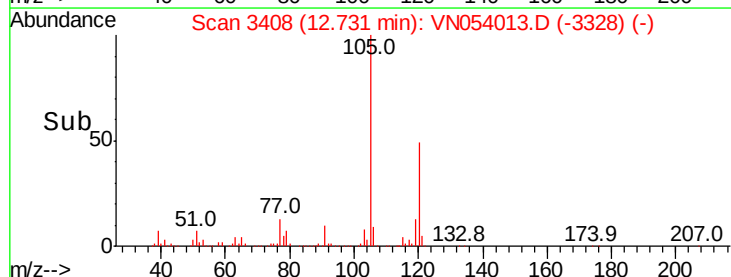
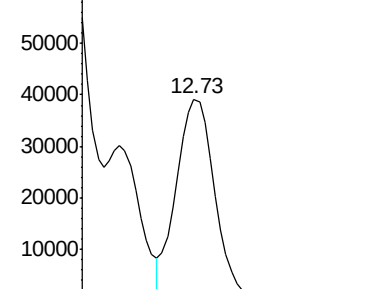
91 100

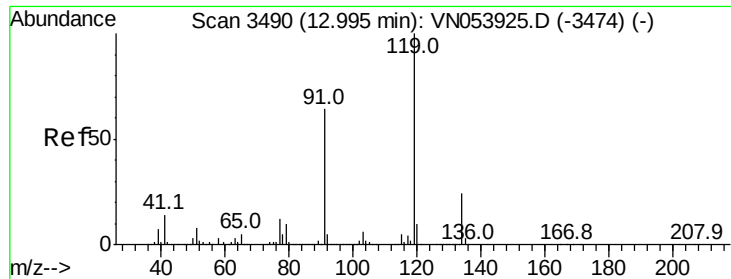
126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 11.900 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

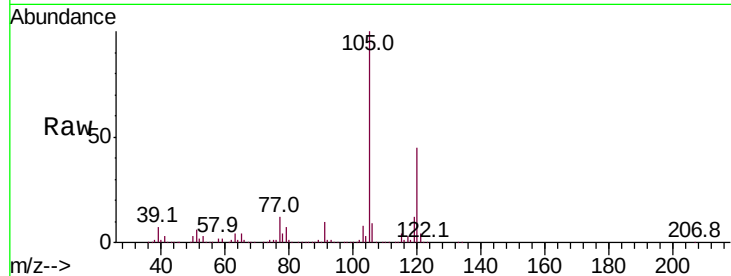
Tot Ion:119 Resp: 322904

Ion Ratio Lower Upper

119 100

91 82.1 30.6 91.8

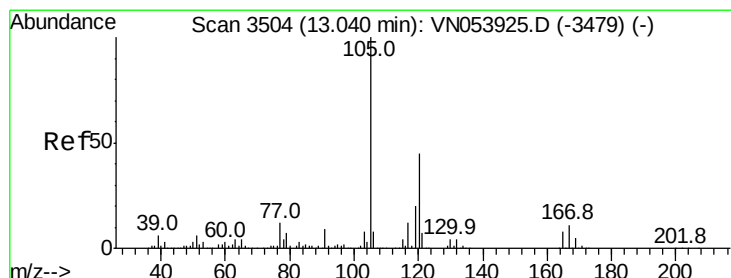
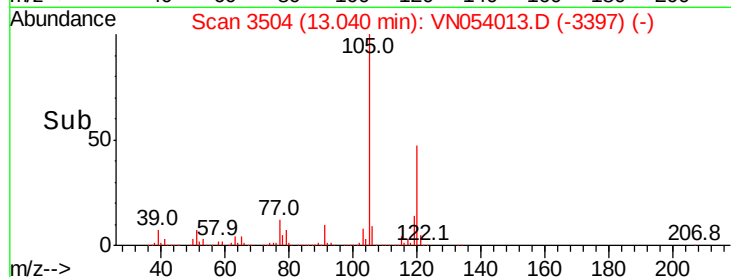
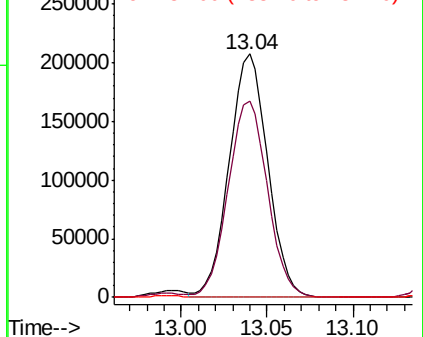
134 0.0 13.0 39.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 86.730 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054013.D

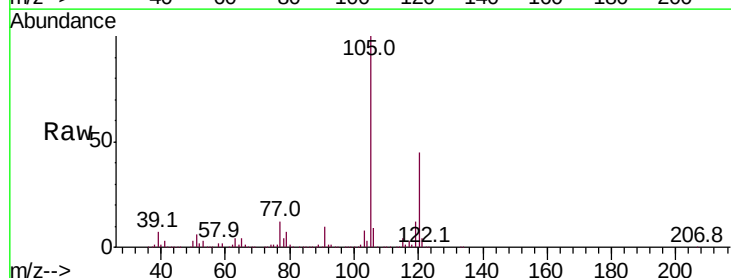
Acq: 28 Feb 2019 19:14

Tgt Ion:105 Resp: 2656590

Ion Ratio Lower Upper

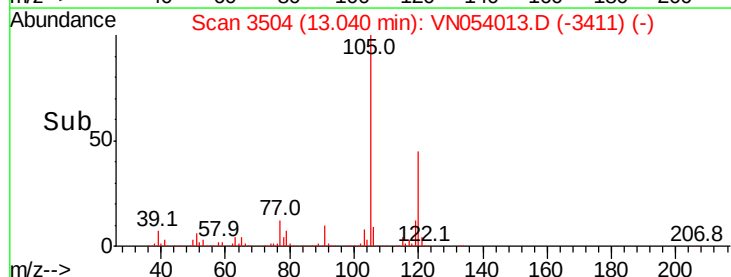
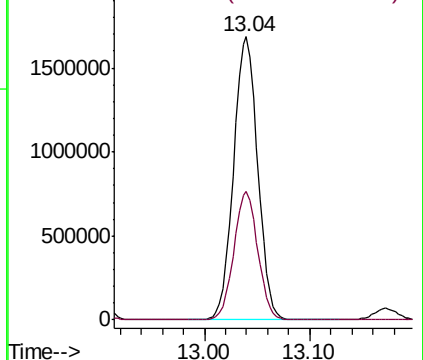
105 100

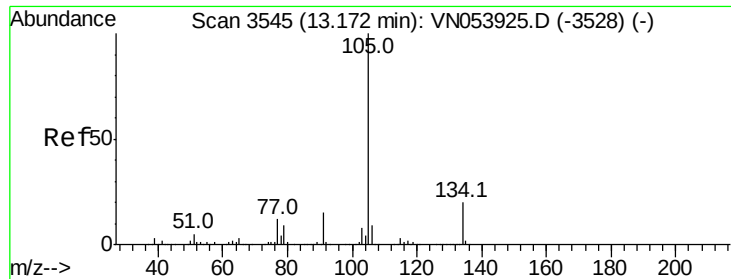
120 44.9 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.910 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

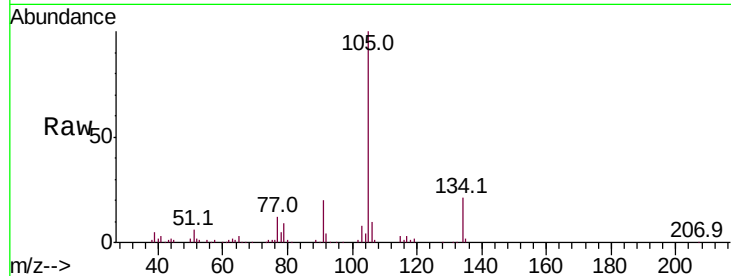
ClientSampleId :

Tot Ion:105 Resp: 107868

Ion Ratio Lower Upper

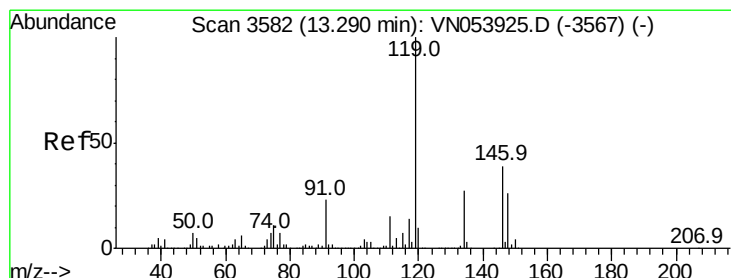
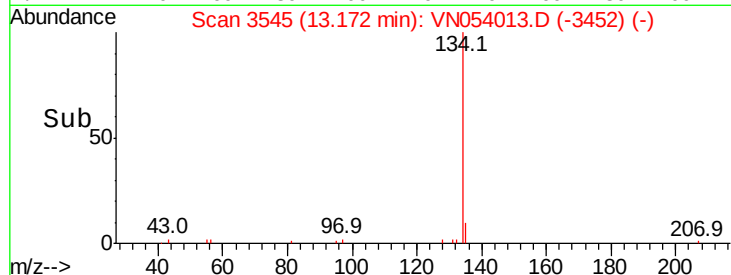
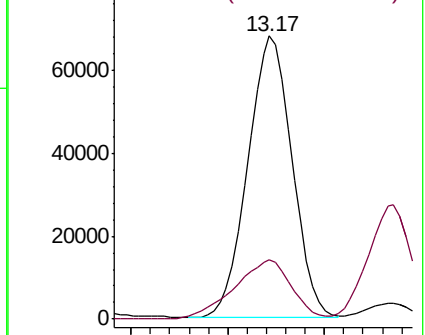
105 100

134 27.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.211 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

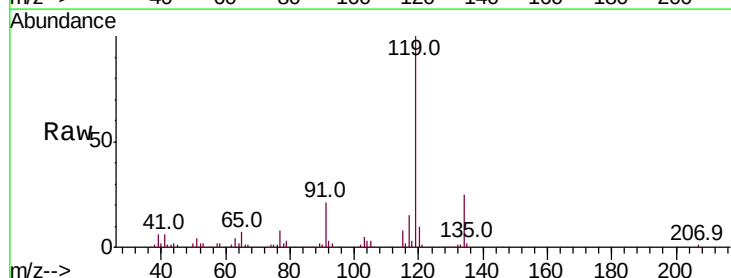
Tgt Ion:119 Resp: 100597

Ion Ratio Lower Upper

119 100

134 25.5 13.5 40.4

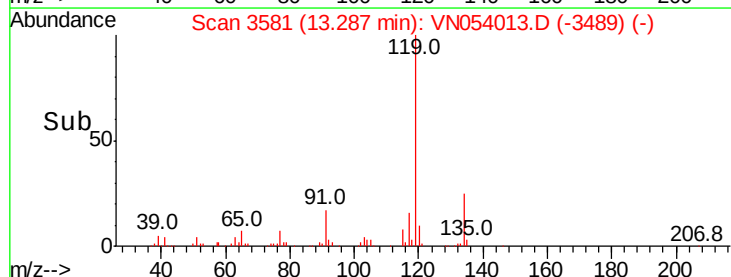
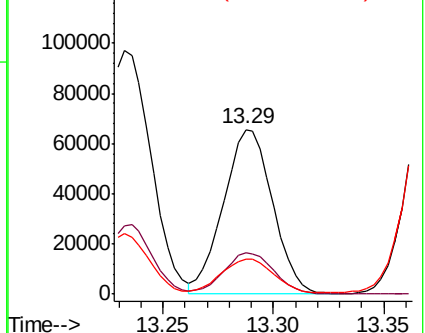
91 21.8 10.9 32.6

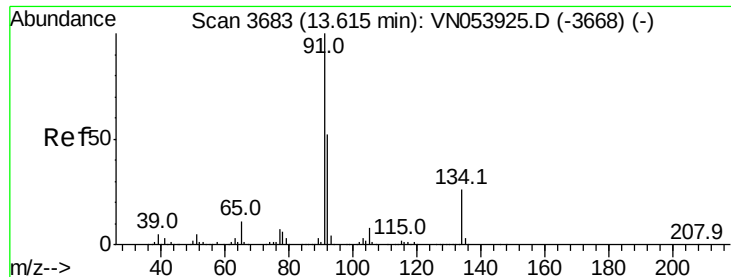


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 3.908 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054013.D

Acq: 28 Feb 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

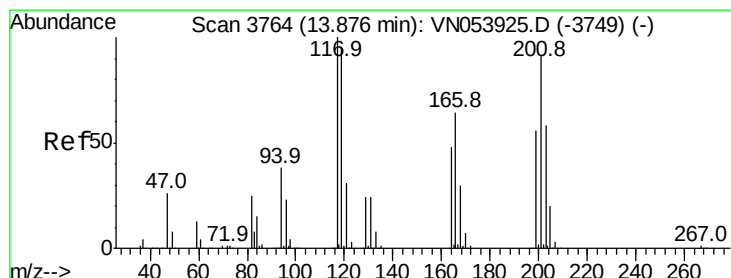
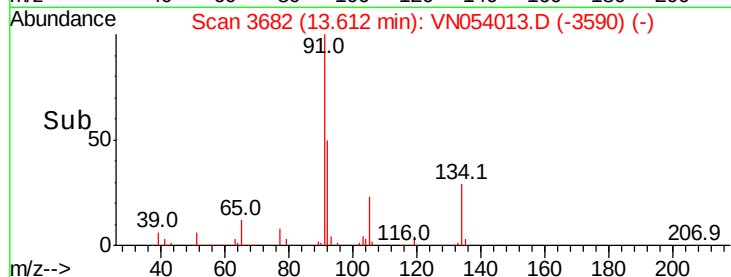
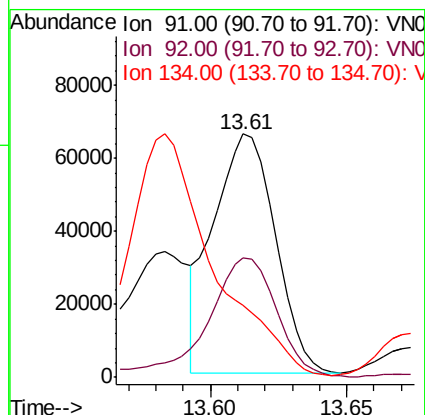
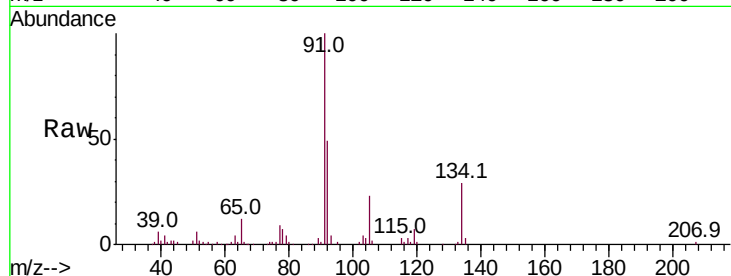
Tot Ion: 91 Resp: 103201

Ion Ratio Lower Upper

91 100

92 54.3 26.1 78.2

134 0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 4.147 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054013.D

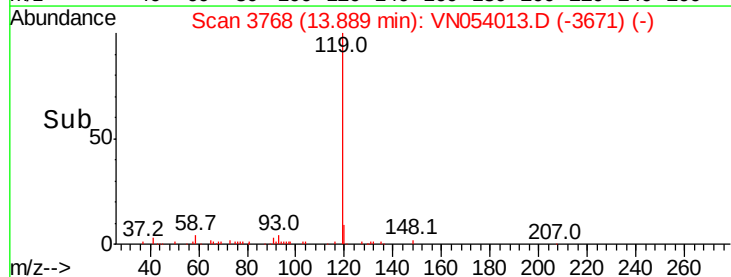
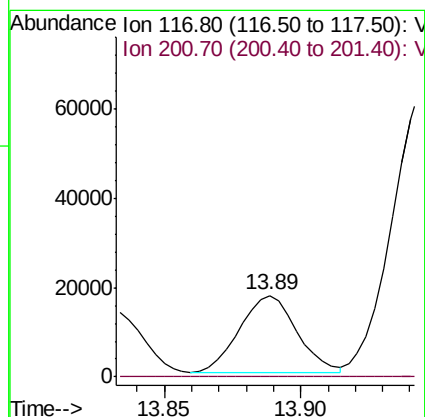
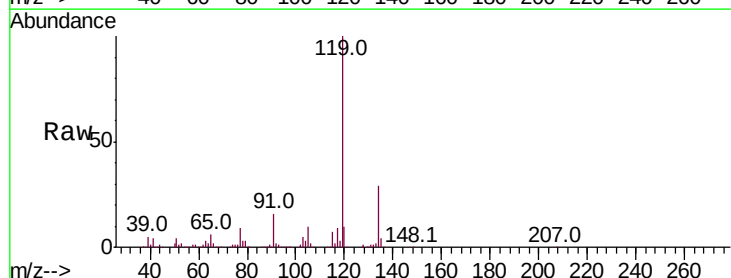
Acq: 28 Feb 2019 19:14

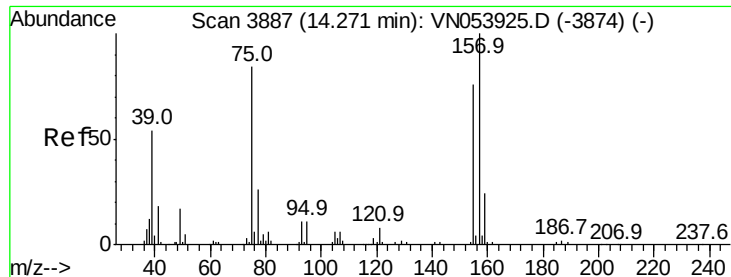
Tgt Ion: 117 Resp: 25176

Ion Ratio Lower Upper

117 100

201 0.0 48.0 144.2#

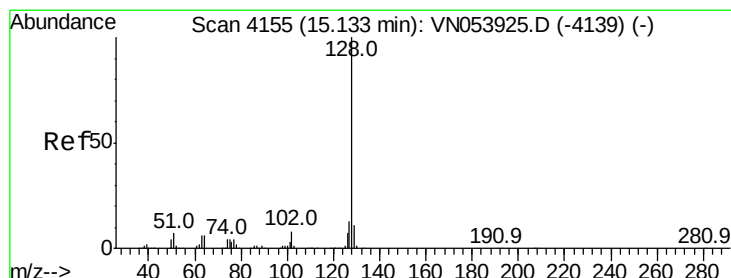
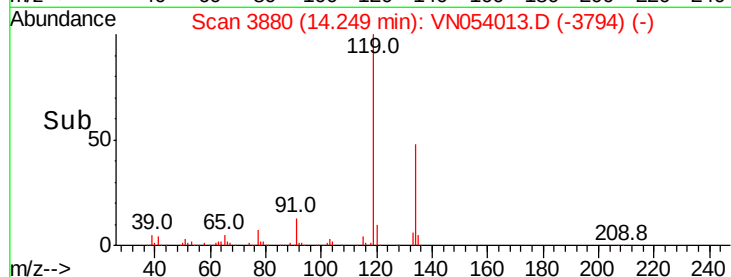
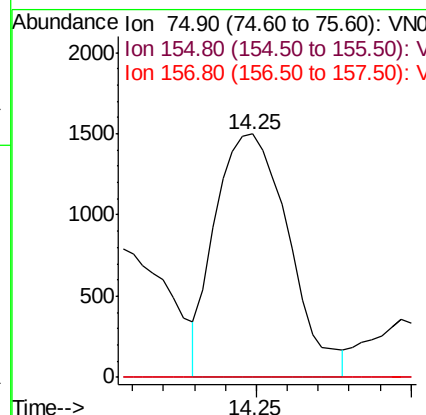
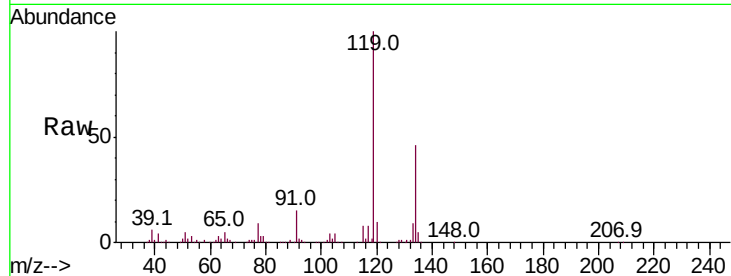




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.867 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. -0.02 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 2472
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.5 148.5#
 157 0.0 64.8 194.6#



#95
 Naphthalene
 Concen: 29.791 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN054013.D
 Acq: 28 Feb 2019 19:14

Tgt Ion: 128 Resp: 541459
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.2
 129 10.9 8.6 12.8

