

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054396.D
 Acq On : 18 Mar 2019 16:16
 Operator : JC/SP
 Sample : K1960-10RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:12:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1899174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2700988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2270104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	952980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	887621	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
35) Dibromofluoromethane	7.59	113	821350	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	10.09	98	3128248	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	965234	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	176	1.503	ug/l #	45
11) Tert butyl alcohol	4.82	59	2994	2.165	ug/l #	70
14) Allyl chloride	4.51	41	13941	0.551	ug/l #	76
15) Acrylonitrile	5.05	53	7800	1.373	ug/l #	39
16) Acetone	3.82	43	27098	4.692	ug/l	91
18) Methyl Acetate	4.52	43	50597	4.331	ug/l #	49
19) Methyl tert-butyl Ether	5.06	73	247054	5.052	ug/l #	1
25) 2-Butanone	6.85	43	7935	1.171	ug/l	95
31) Cyclohexane	7.65	56	730752	23.442	ug/l	99
36) 1,1-Dichloropropene	7.66	75	110394	4.438	ug/l #	57
37) Ethyl Acetate	6.85	43	7935	0.555	ug/l #	69
38) Carbon Tetrachloride	7.66	117	154190	5.911	ug/l #	16
39) Methylcyclohexane	9.08	83	803021	26.239	ug/l	99
40) Benzene	8.04	78	79842	1.122	ug/l	98
41) Methacrylonitrile	7.20	41	7469	0.915	ug/l #	19
43) Isopropyl Acetate	8.15	43	26871	1.071	ug/l #	62
47) Bromodichloromethane	9.38	83	14019	0.586	ug/l #	24
48) Methyl methacrylate	9.27	41	49082	3.855	ug/l #	40
49) 1,4-Dioxane	8.96	88	65	0.361	ug/l #	27
52) Toluene	10.16	92	39041	0.865	ug/l	94
53) t-1,3-Dichloropropene	10.52	75	510	2.004	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	53256	3.232	ug/l #	19
56) Ethyl methacrylate	10.43	69	6959	0.354	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	2087	17.056	ug/l #	44
67) Ethyl Benzene	11.51	91	140227	1.697	ug/l	99
68) m/p-Xylenes	11.62	106	18349	0.568	ug/l	99
69) o-Xylene	11.95	106	14809	0.470	ug/l	86
71) Bromoform	12.40	173	5505	2.731	ug/l #	1
73) Isopropylbenzene	12.25	105	4021141	52.740	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	74490	5.315	ug/l #	100
78) n-propylbenzene	12.59	91	13781399	166.583	ug/l	100
79) 2-Chlorotoluene	12.59	91	13781399	277.052	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.89	105	425817	6.714	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.25	75	44026	10.739	ug/l #	69

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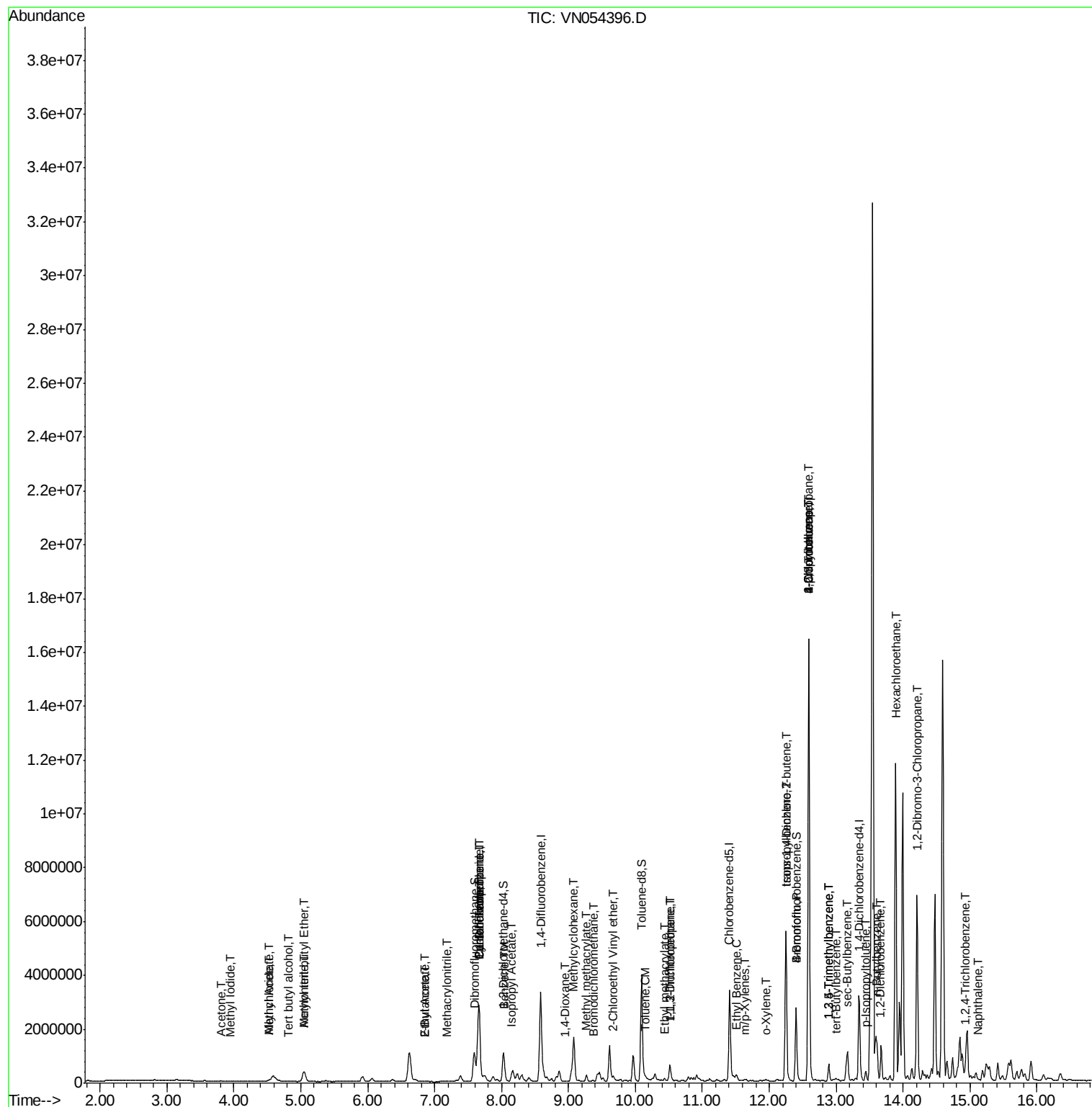
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.59	91	13781399	277.459	ug/l #	39
83) tert-Butylbenzene	12.99	119	51543	0.883	ug/l	92
84) 1,2,4-Trimethylbenzene	12.89	105	425817	6.844	ug/l	77
85) sec-Butylbenzene	13.17	105	717170	9.474	ug/l #	73
86) p-Isopropyltoluene	13.44	119	221479	3.335	ug/l #	77
89) n-Butylbenzene	13.61	91	818465	16.219	ug/l #	75
90) Hexachloroethane	13.89	117	627080	57.022	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	12332	0.371	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.21	75	24407	9.710	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1073	2.567	ug/l #	68
95) Naphthalene	15.13	128	5733	3.597	ug/l #	69

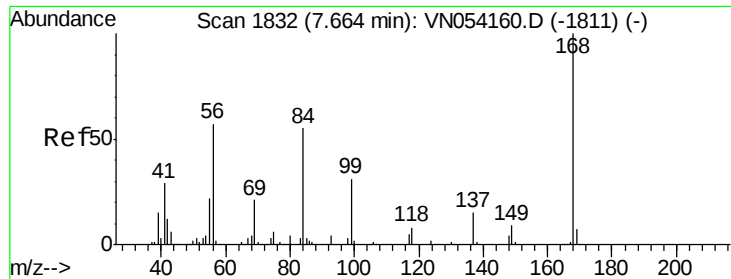
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

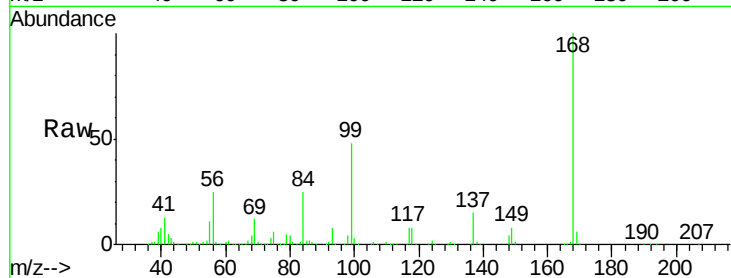
ClientSampled :

Tot Ion:168 Resp: 1899174

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

600000

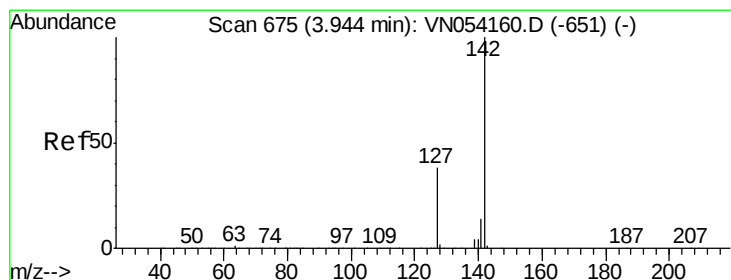
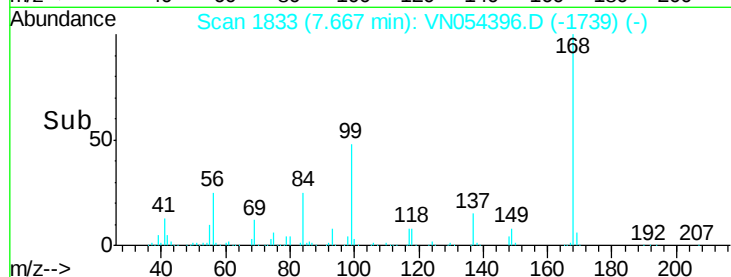
400000

200000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.503 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

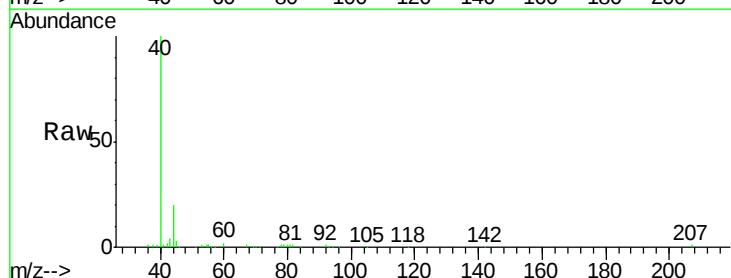
Tgt Ion:142 Resp: 176

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 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

300

250

200

150

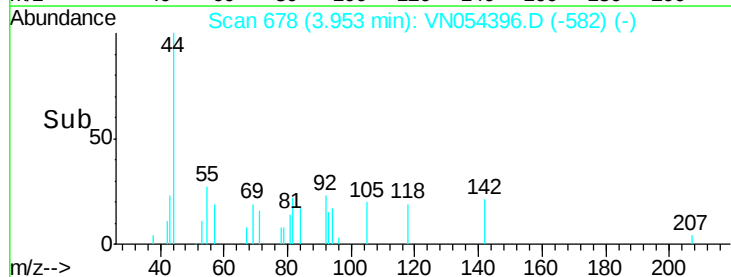
100

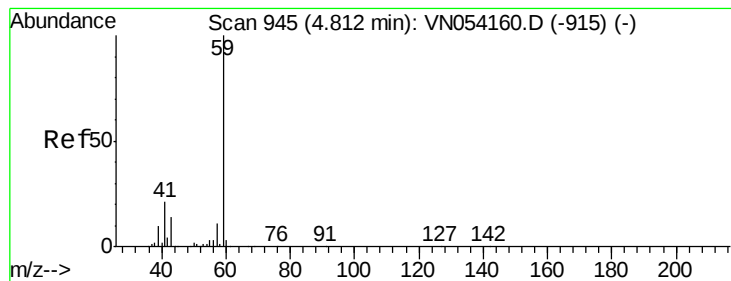
50

0

Time-->

3.93 3.94 3.95 3.96 3.97



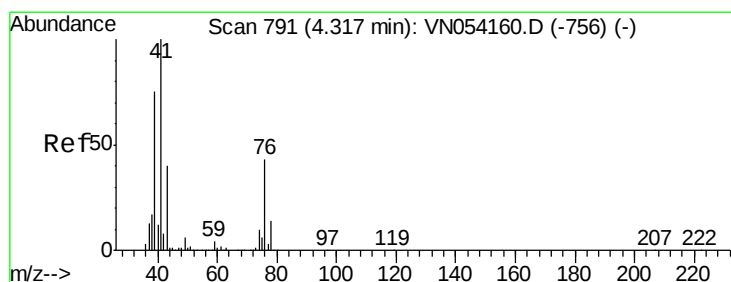
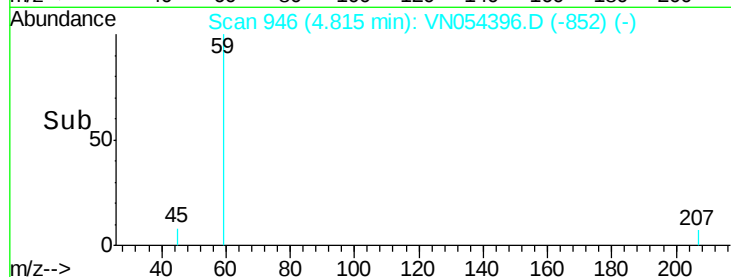
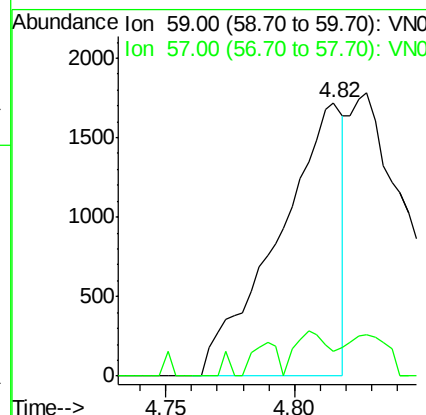
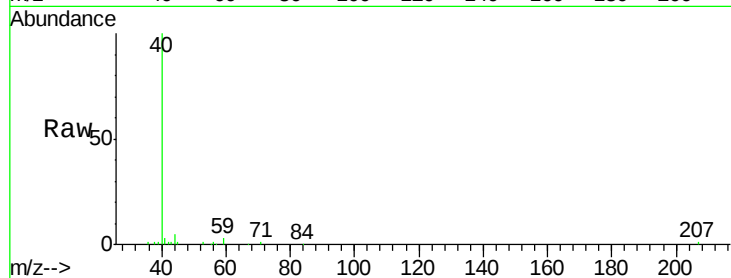


#11

Tert butyl alcohol
 Concen: 2.165 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Instrument :
 MSVOA_N
 ClientSampled :

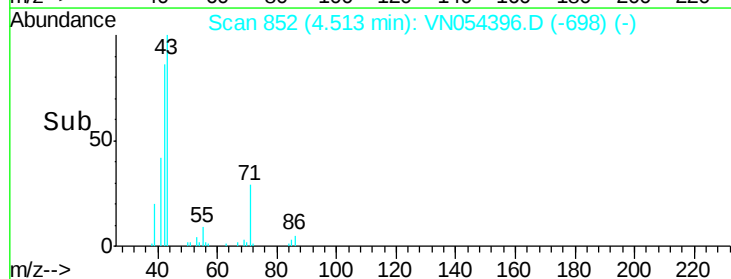
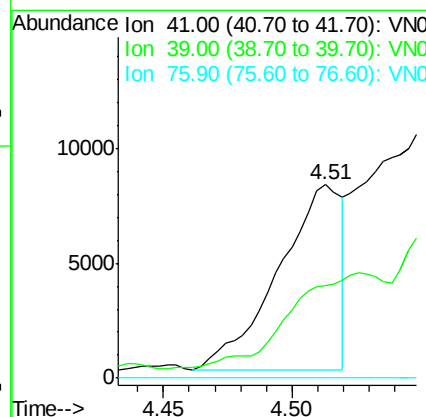
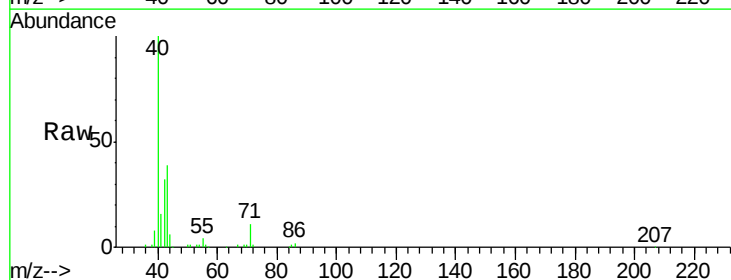
Tot Ion: 59 Resp: 2994
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

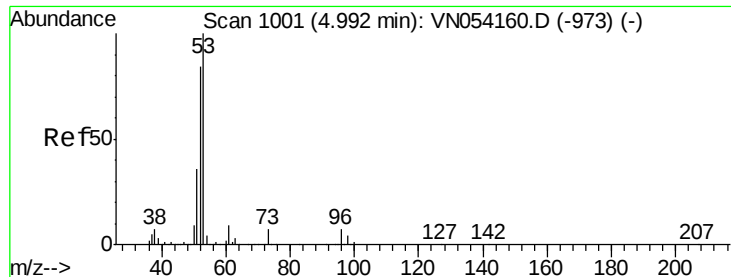


#14

Allyl chloride
 Concen: 0.551 ug/l
 RT: 4.51 min Scan# 852
 Delta R.T. 0.20 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion: 41 Resp: 13941
 Ion Ratio Lower Upper
 41 100
 39 75.0 58.2 87.4
 76 0.0 31.7 47.5#





#15

Acrylonitrile

Concen: 1.373 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.05 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampled :

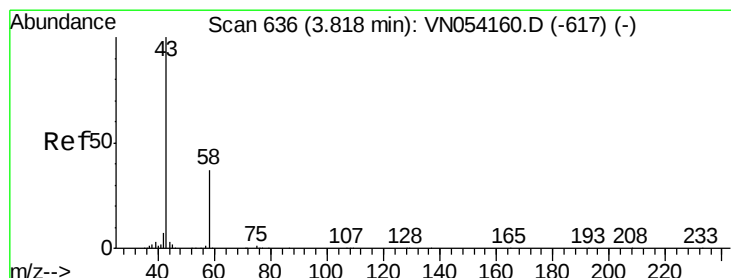
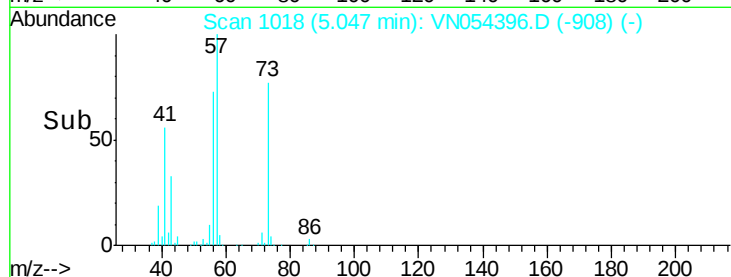
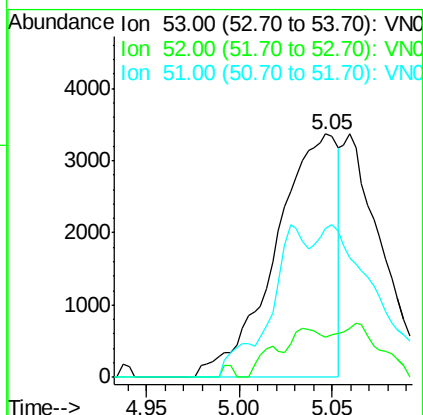
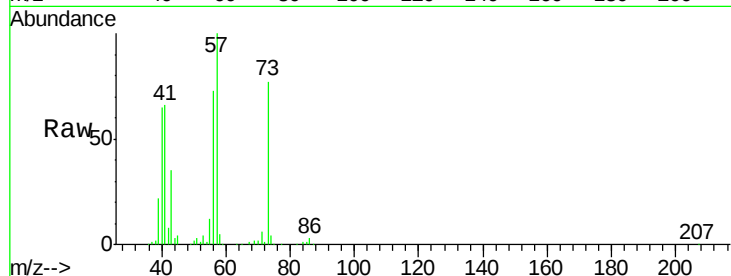
Tot Ion: 53 Resp: 7800

Ion Ratio Lower Upper

53 100

52 4.4 66.4 99.6#

51 38.3 29.6 44.4



#16

Acetone

Concen: 4.692 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054396.D

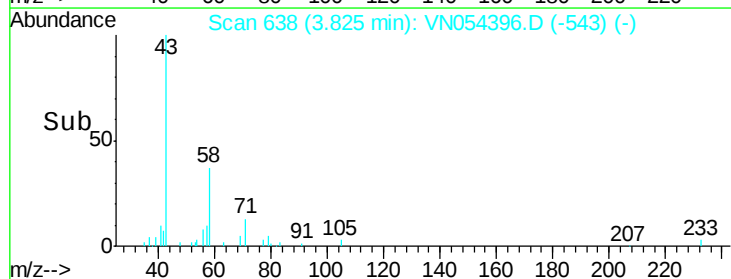
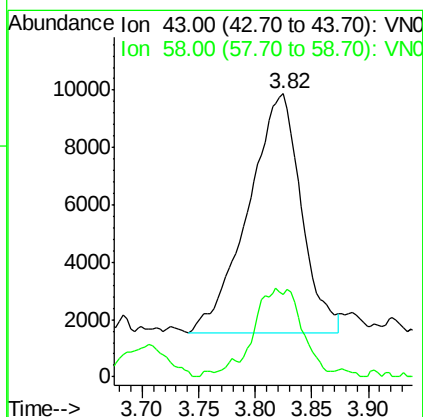
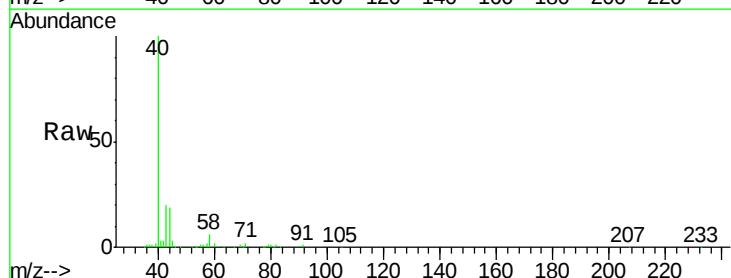
Acq: 18 Mar 2019 16:16

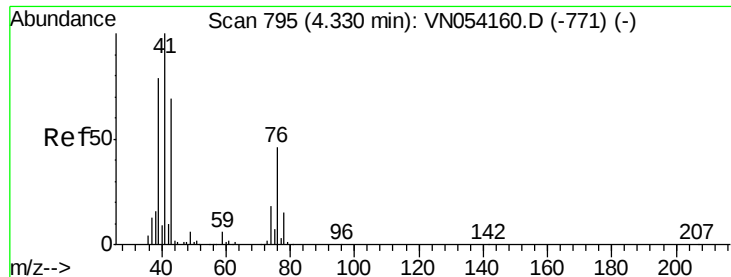
Tgt Ion: 43 Resp: 27098

Ion Ratio Lower Upper

43 100

58 32.2 29.9 44.9

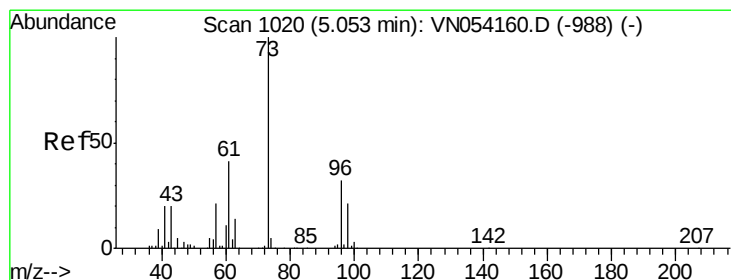
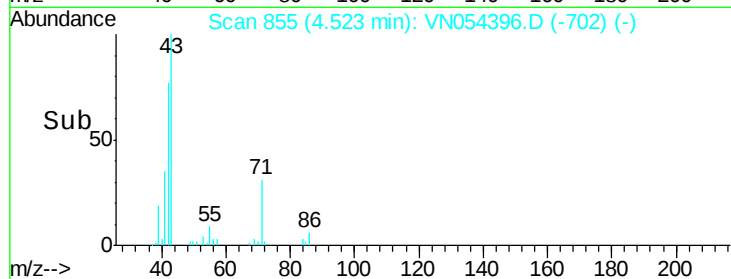
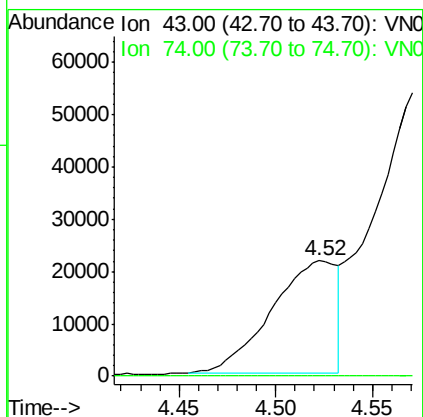
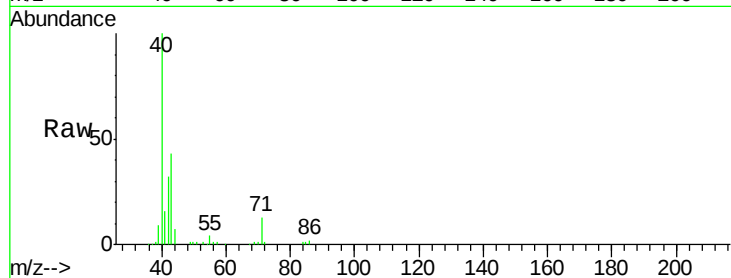




#18
Methyl Acetate
Concen: 4.331 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.19 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

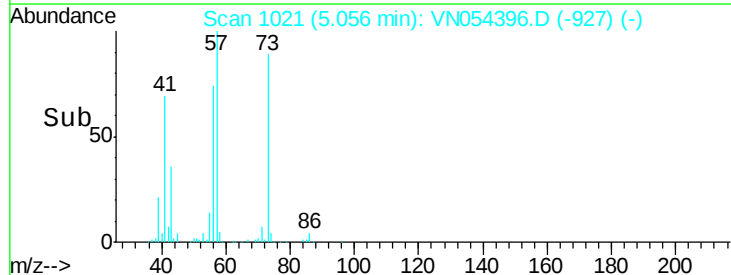
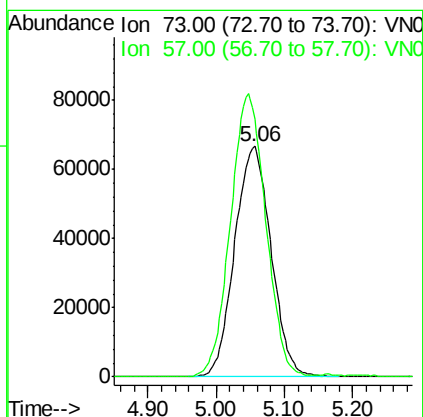
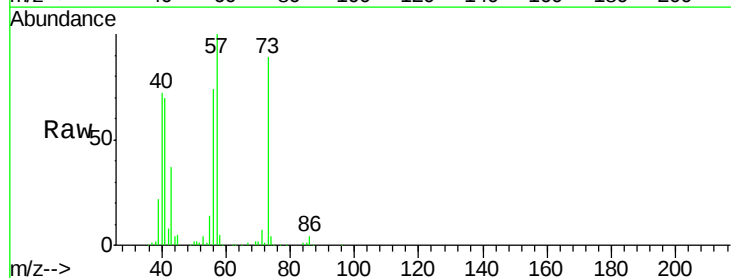
Instrument :
MSVOA_N
ClientSampled :

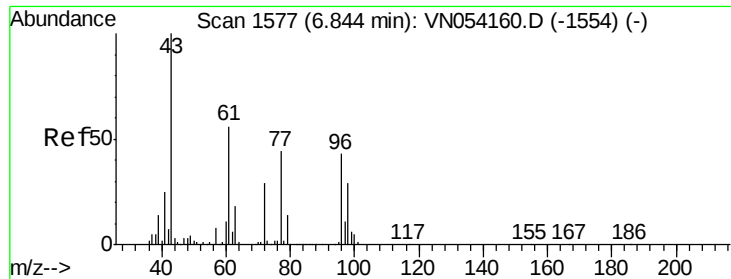
Tot Ion: 43 Resp: 50597
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 5.052 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 73 Resp: 247054
Ion Ratio Lower Upper
73 100
57 111.8 16.8 25.2#

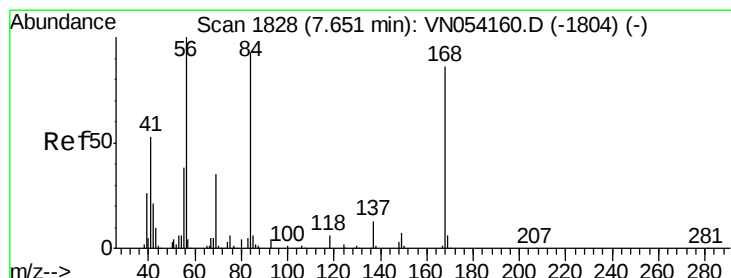
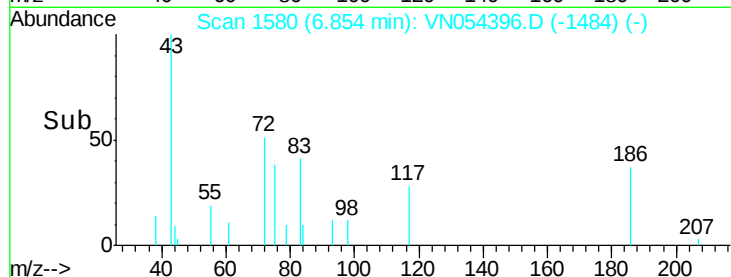
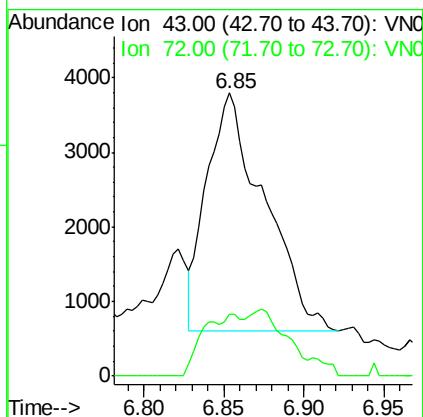
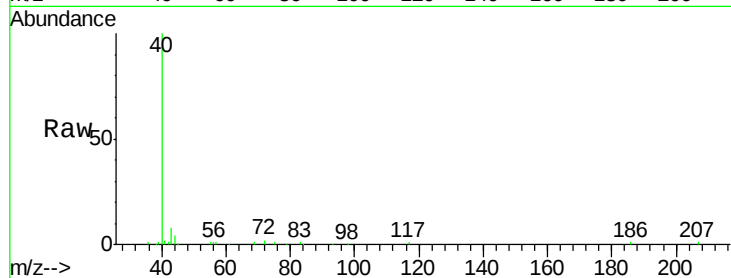




#25
2-Butanone
Concen: 1.171 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

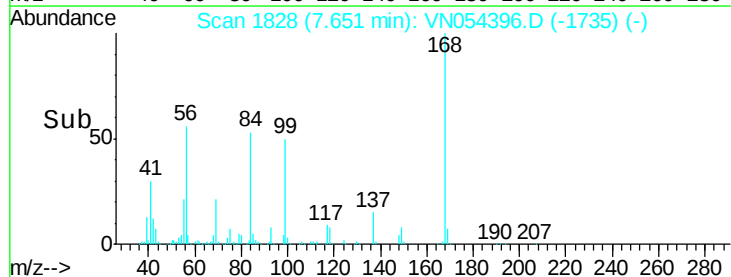
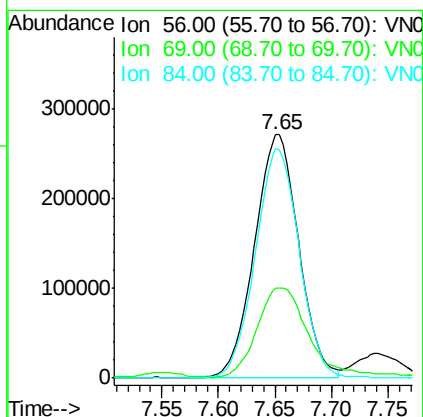
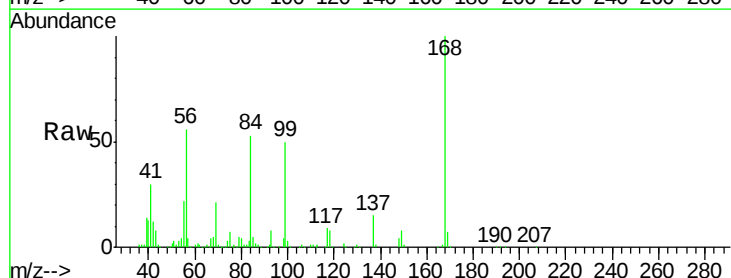
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ClientSampled :

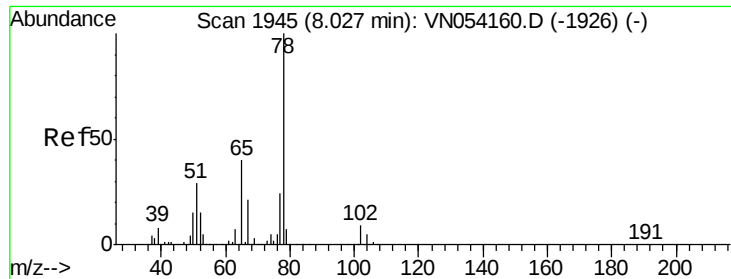
Tot Ion: 43 Resp: 7935
Ion Ratio Lower Upper
43 100
72 26.2 23.0 34.6



#31
Cyclohexane
Concen: 23.442 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 56 Resp: 730752
Ion Ratio Lower Upper
56 100
69 36.0 27.8 41.6
84 94.3 74.6 111.8

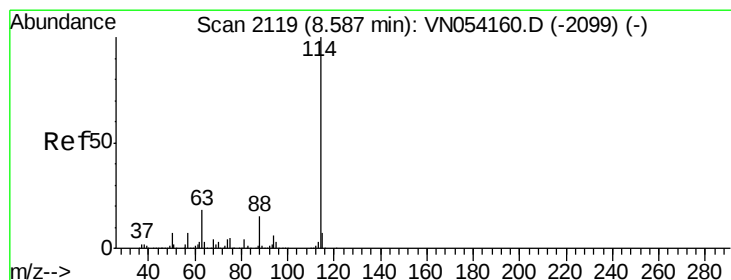
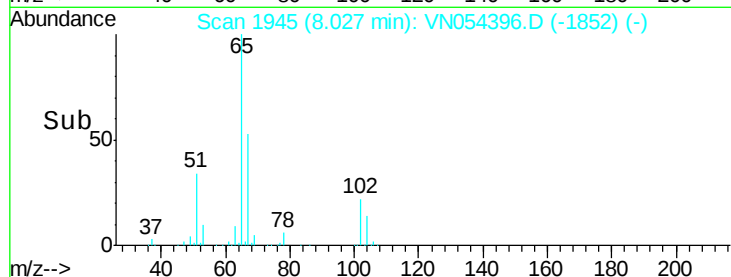
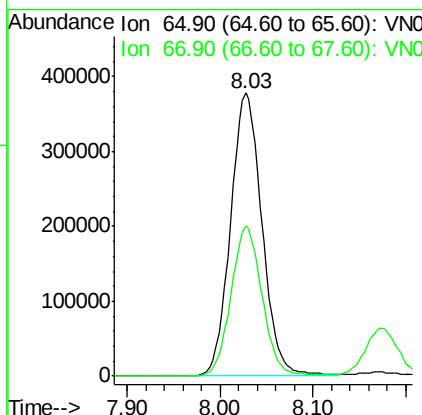
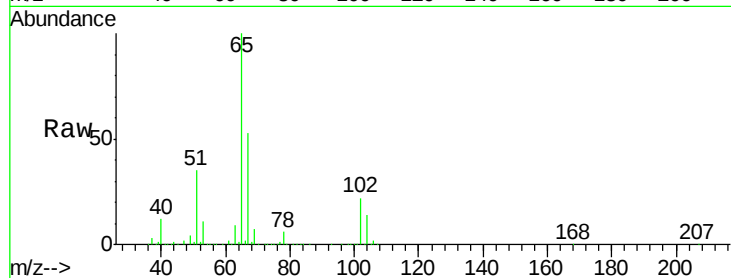




#33
 1,2-Dichloroethane-d4
 Concen: 44.009 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

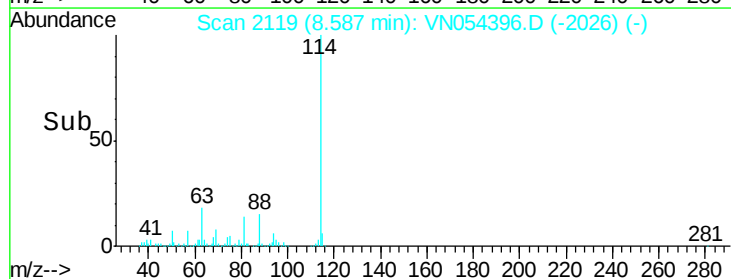
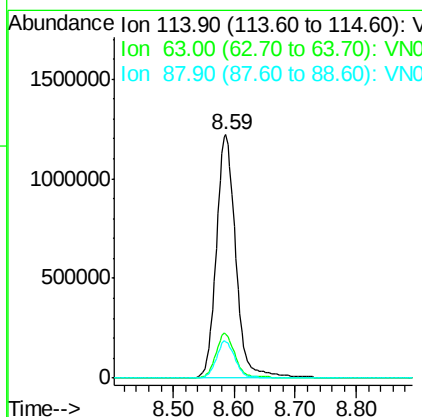
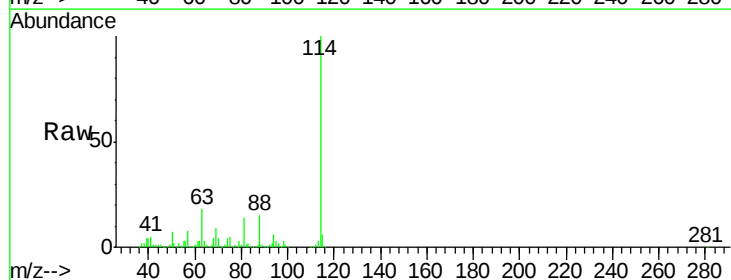
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 ClientSampleId :

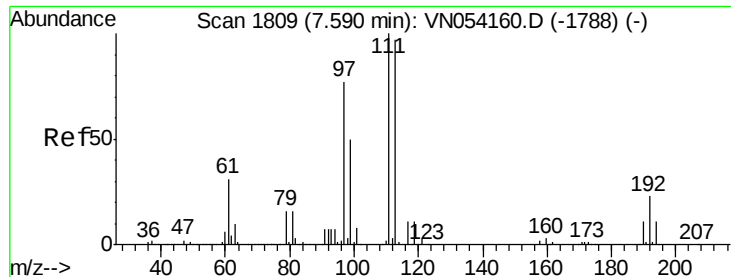
Tot Ion: 65 Resp: 887621
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion: 114 Resp: 2700988
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 15.1 0.0 30.2

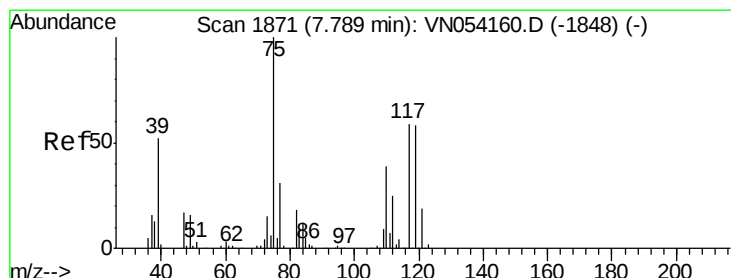
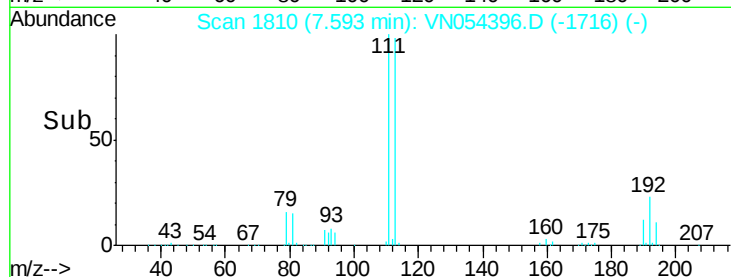
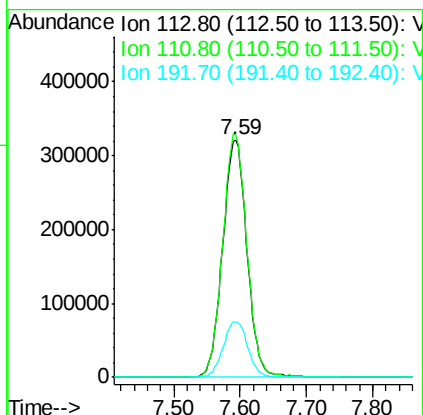
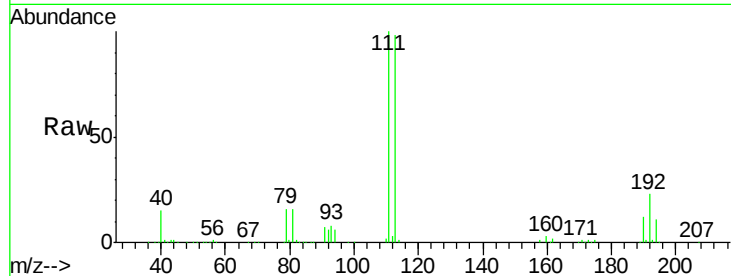




#35
Dibromofluoromethane
Concen: 47.149 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

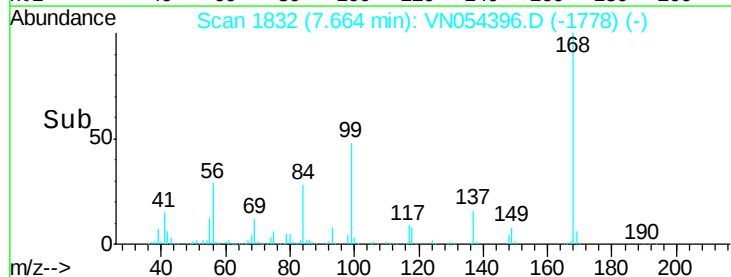
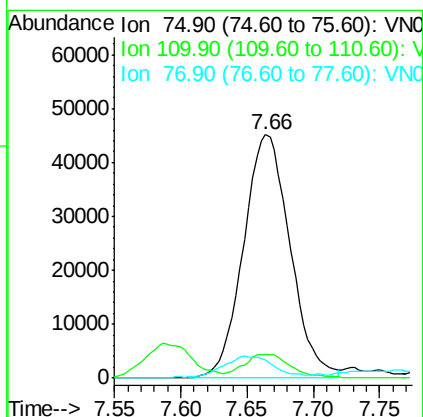
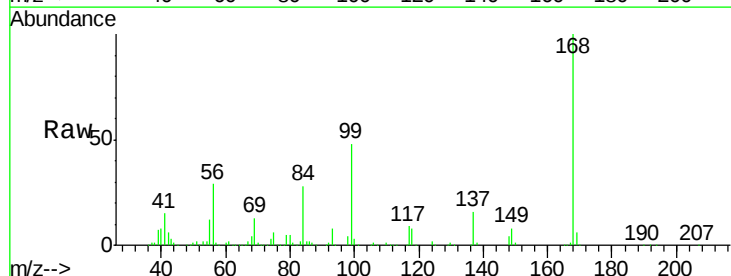
Instrument :
MSVOA_N
ClientSampled :

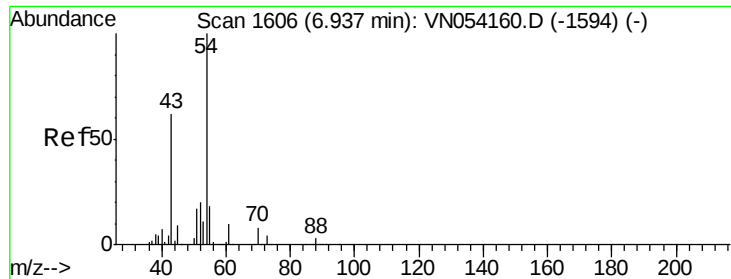
Tot Ion:113 Resp: 821350
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.4
192 23.7 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.438 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 75 Resp: 110394
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.5#
77 10.2 25.0 37.4#

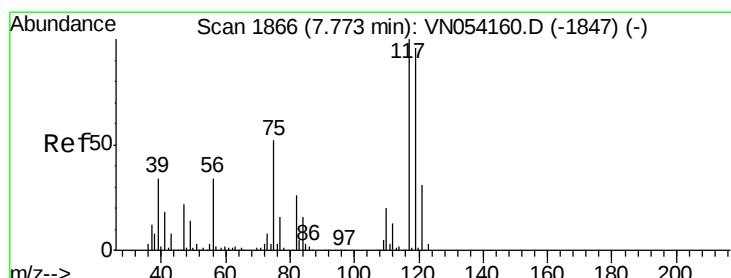
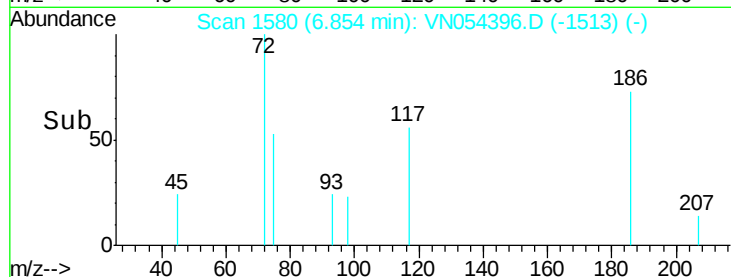
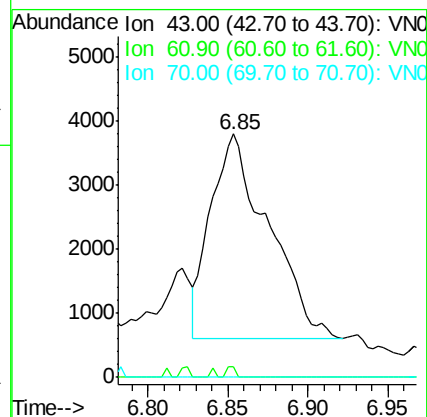
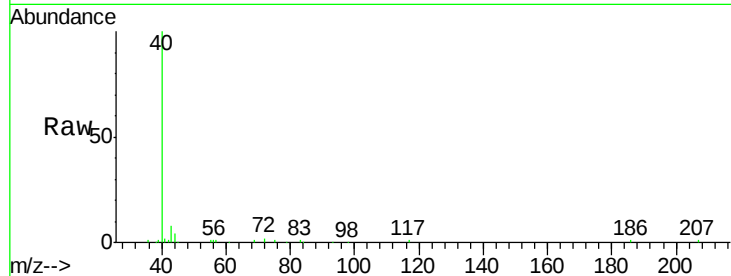




#37
Ethyl Acetate
Concen: 0.555 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.08 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

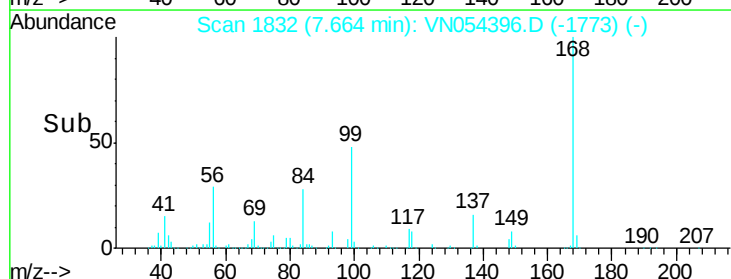
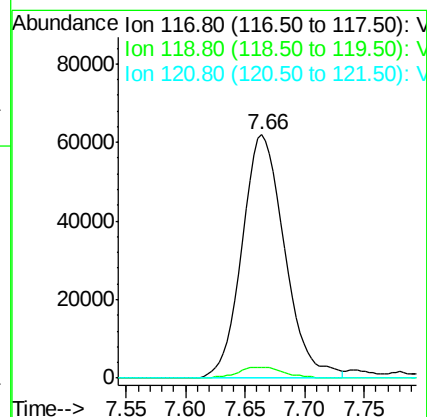
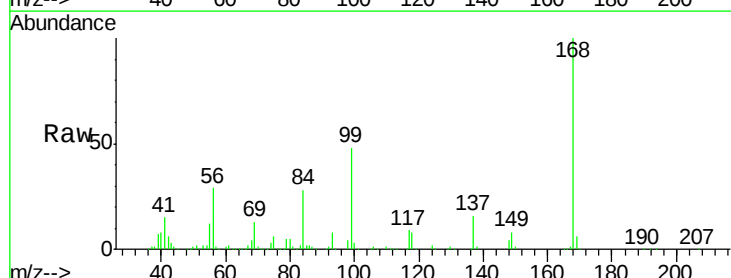
Instrument :
MSVOA_N
ClientSampled :

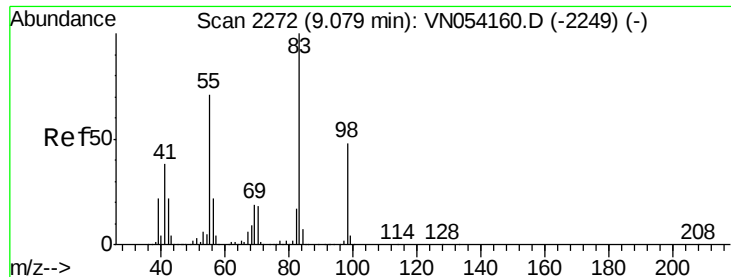
Tot Ion: 43 Resp: 7935
Ion Ratio Lower Upper
43 100
61 0.8 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.911 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 117 Resp: 154190
Ion Ratio Lower Upper
117 100
119 4.4 76.3 114.5#
121 0.0 24.6 36.8#

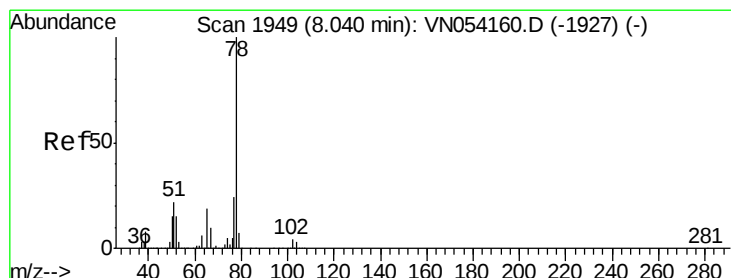
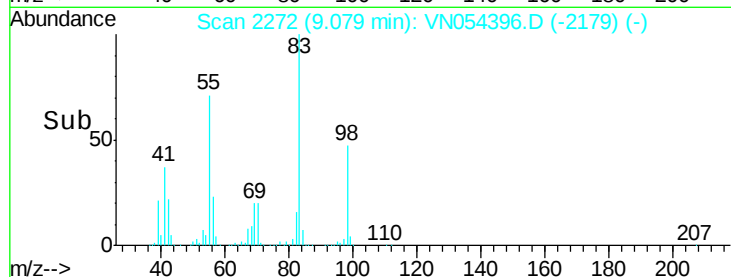
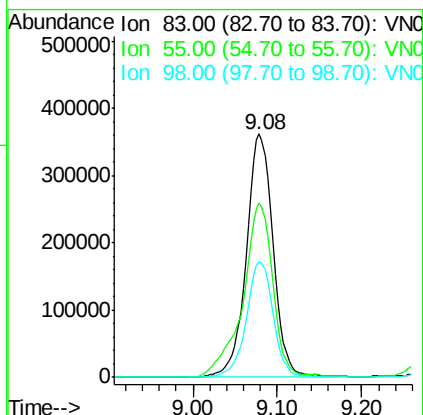
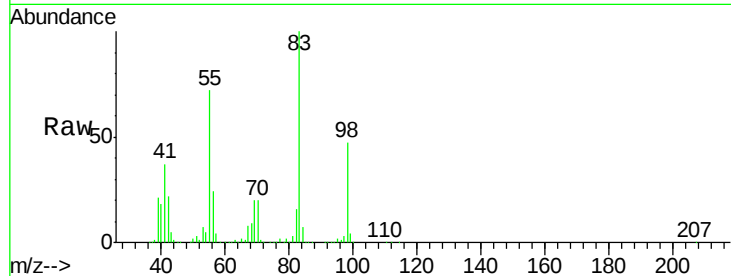




#39
Methvlcvclohexane
Concen: 26.239 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

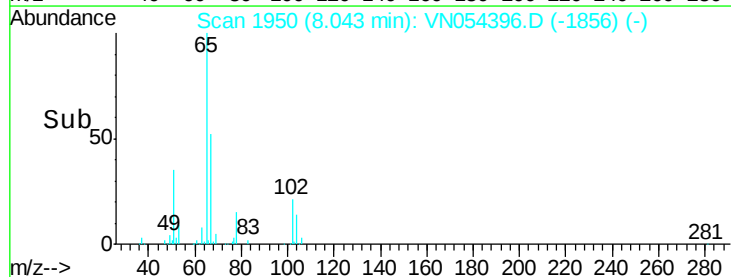
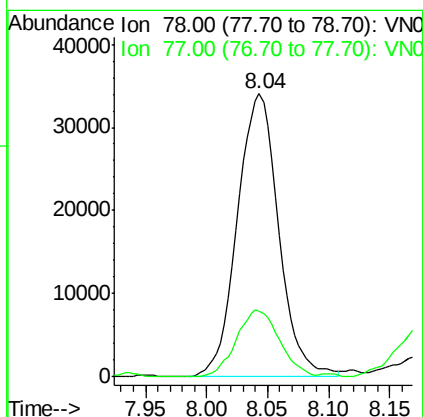
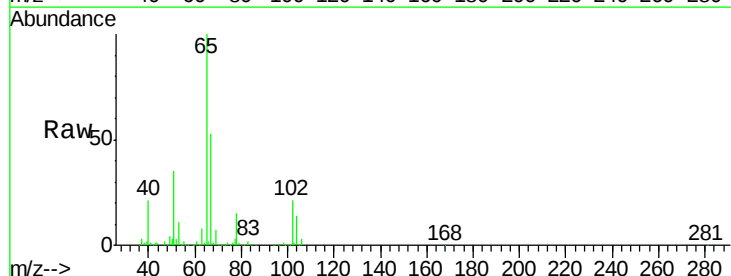
Instrument :
MSVOA_N
ClientSampled :

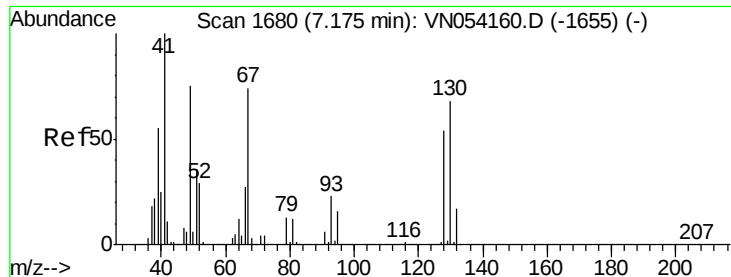
Tot Ion: 83 Resp: 803021
Ion Ratio Lower Upper
83 100
55 71.6 56.6 84.8
98 47.5 38.4 57.6



#40
Benzene
Concen: 1.122 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 78 Resp: 79842
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

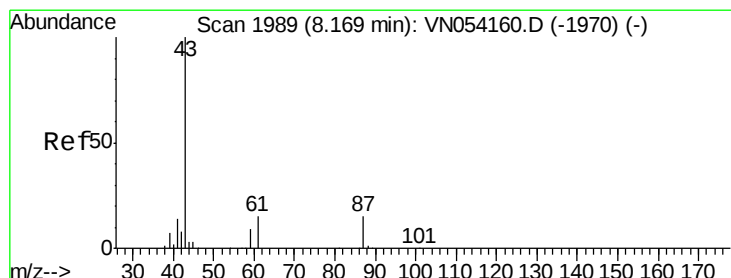
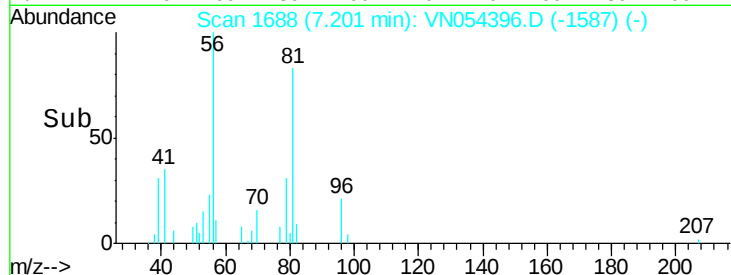
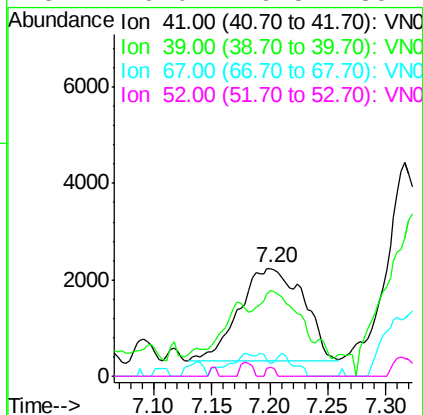
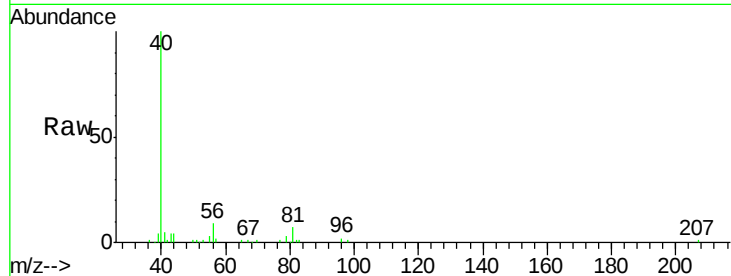




#41
Methacrylonitrile
Concen: 0.915 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.03 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

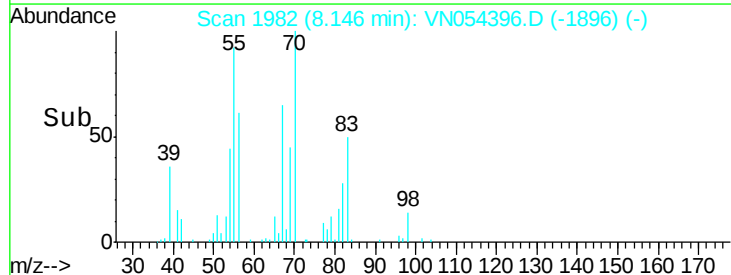
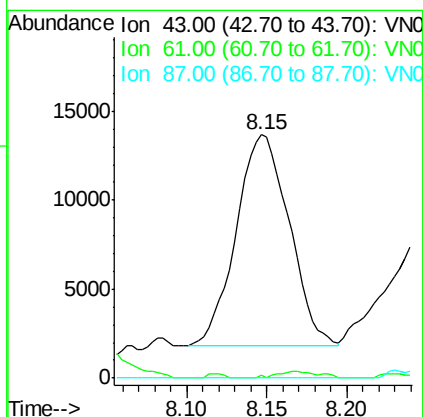
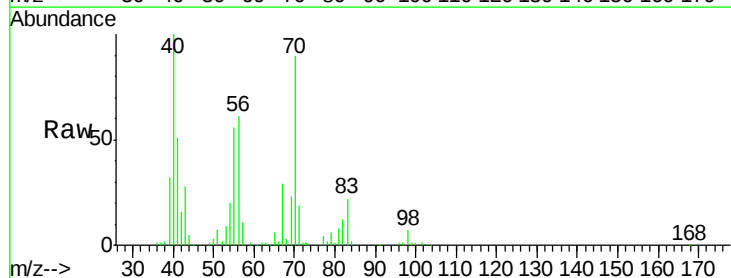
Instrument :
MSVOA_N
ClientSampled :

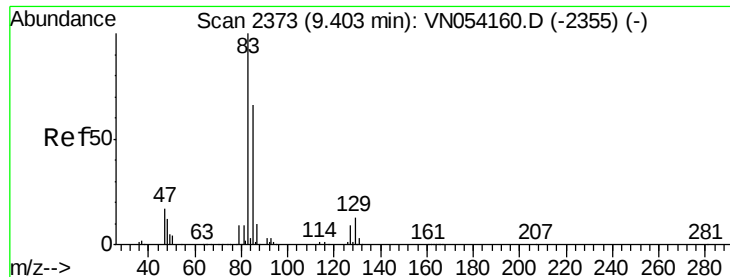
Tot Ion: 41 Resp: 7469
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 0.0 67.0 100.4#
52 0.0 26.5 39.7#



#43
Isopropyl Acetate
Concen: 1.071 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.02 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 43 Resp: 26871
Ion Ratio Lower Upper
43 100
61 2.1 15.8 23.8#
87 0.0 12.0 18.0#





#47

Bromodichloromethane

Concen: 0.586 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampled :

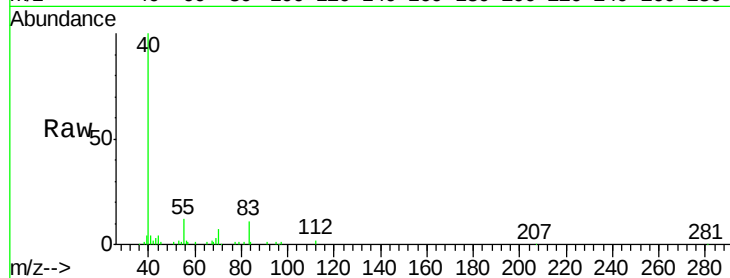
Tot Ion: 83 Resp: 14019

Ion Ratio Lower Upper

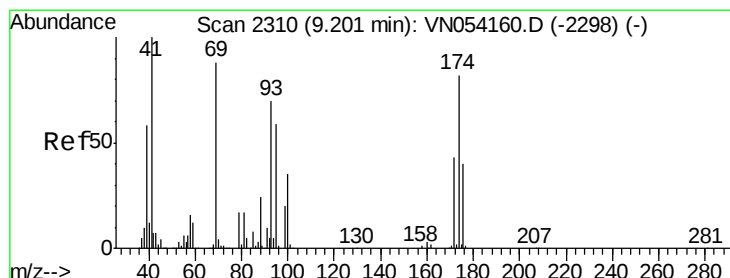
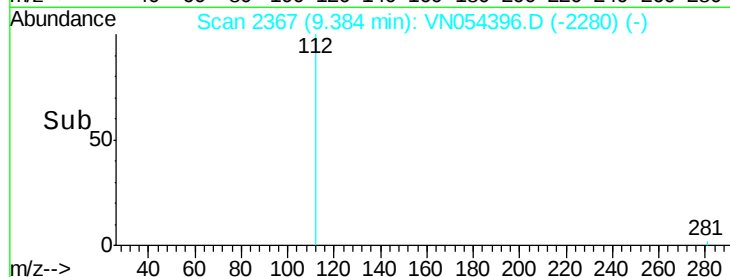
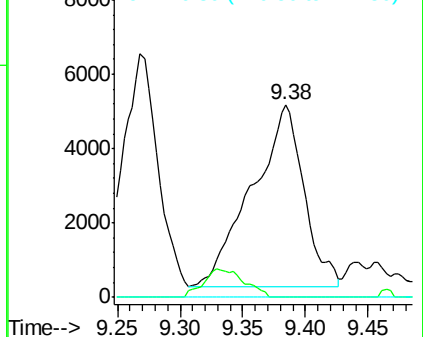
83 100

85 0.0 52.8 79.2#

127 0.0 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 3.855 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

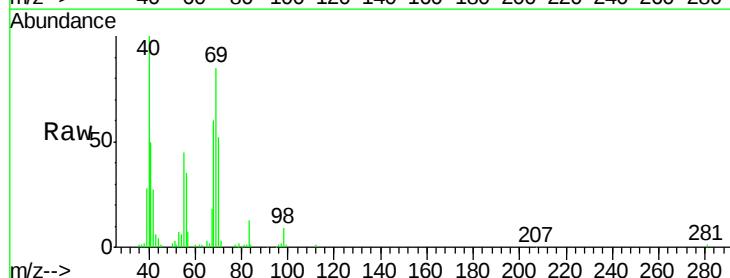
Tgt Ion: 41 Resp: 49082

Ion Ratio Lower Upper

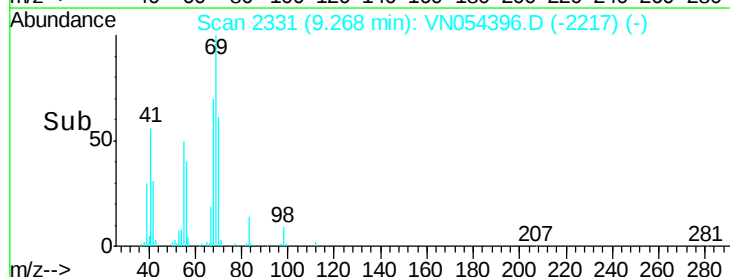
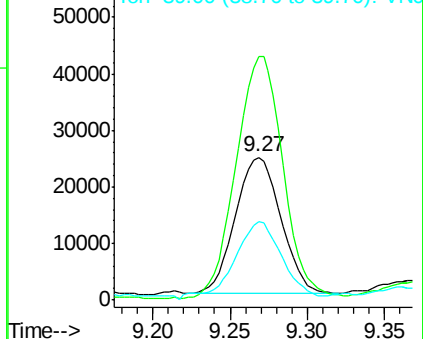
41 100

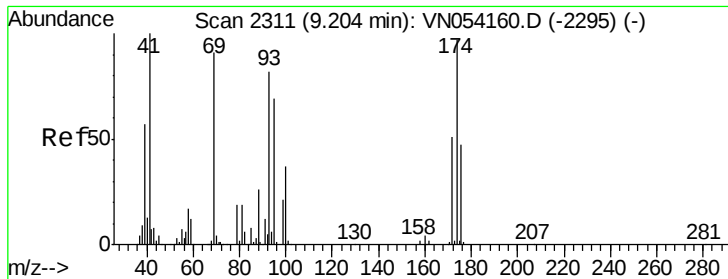
69 183.5 72.6 108.8#

39 61.7 47.5 71.3



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

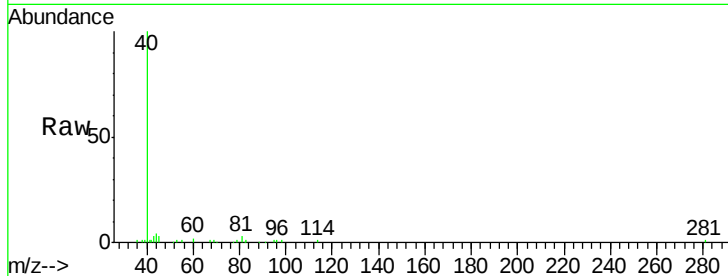




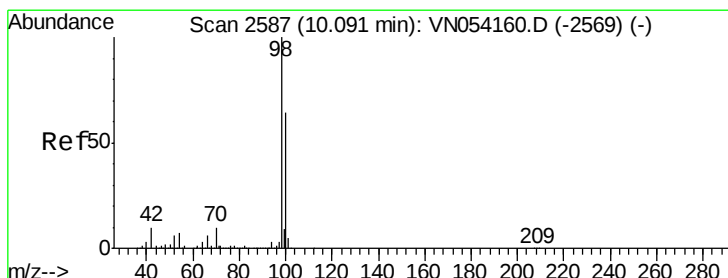
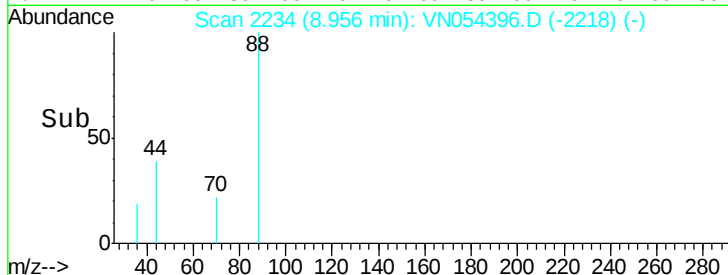
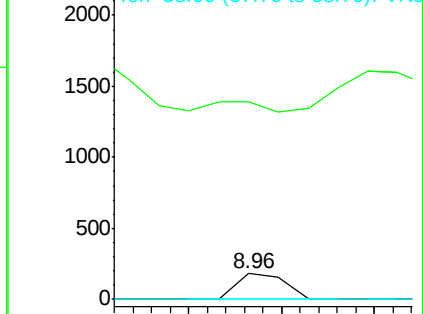
#49
1,4-Dioxane
Concen: 0.361 ug/l
RT: 8.96 min Scan# 2234
Delta R.T. -0.25 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#

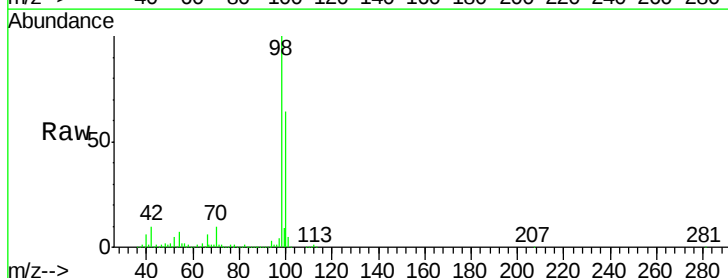


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

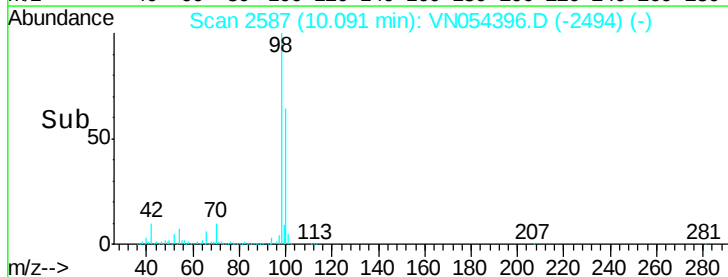
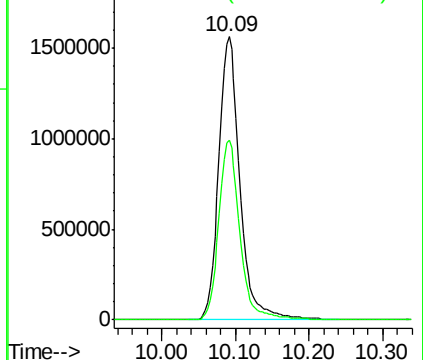


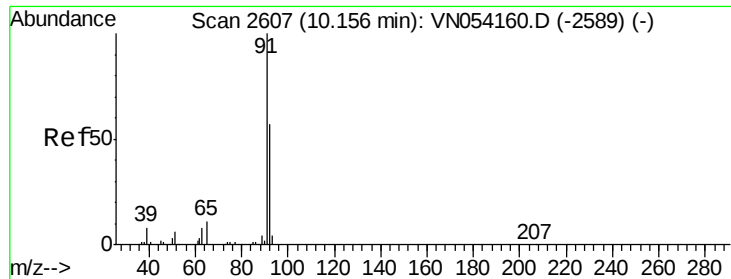
#50
Toluene-d8
Concen: 48.624 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 98 Resp: 3128248
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



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





#52

Toluene

Concen: 0.865 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

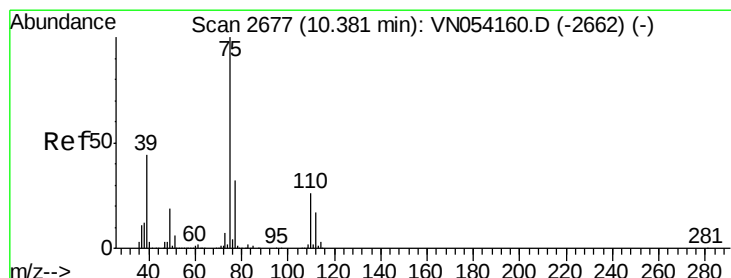
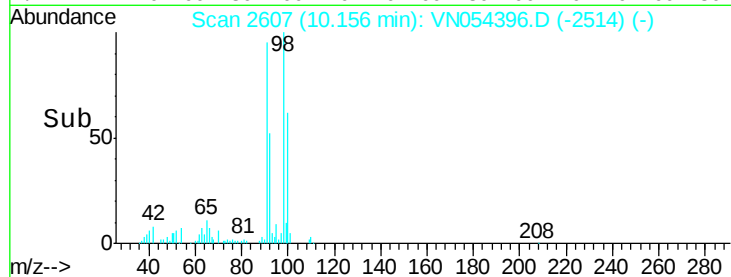
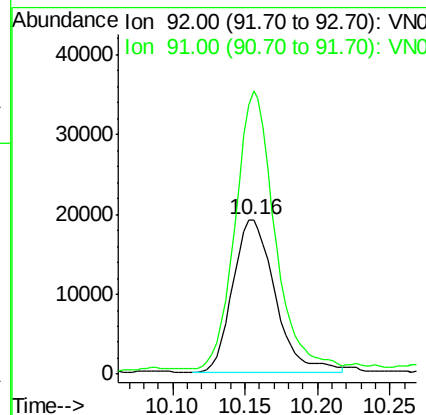
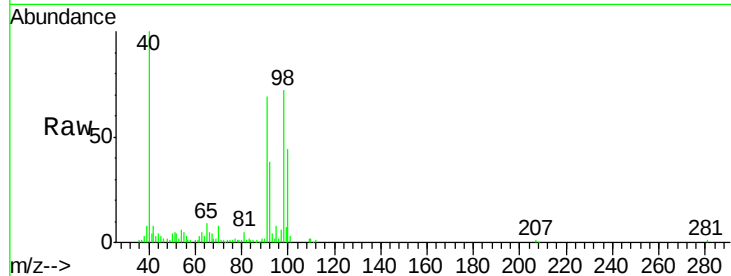
ClientSampled :

Tot Ion: 92 Resp: 39041

Ion Ratio Lower Upper

92 100

91 168.0 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 2.004 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.14 min

Lab File: VN054396.D

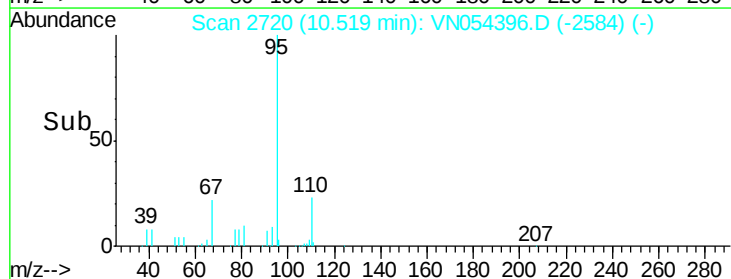
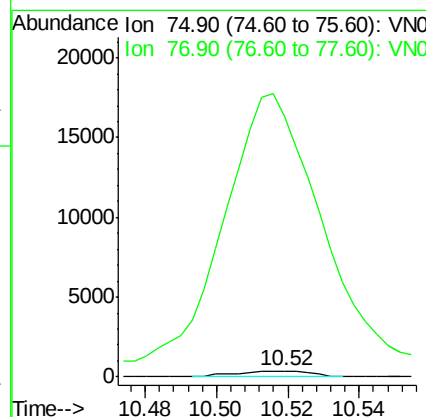
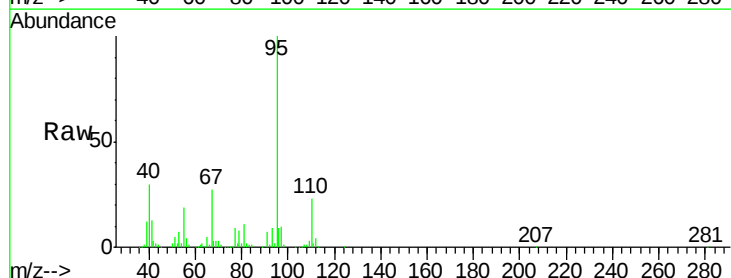
Acq: 18 Mar 2019 16:16

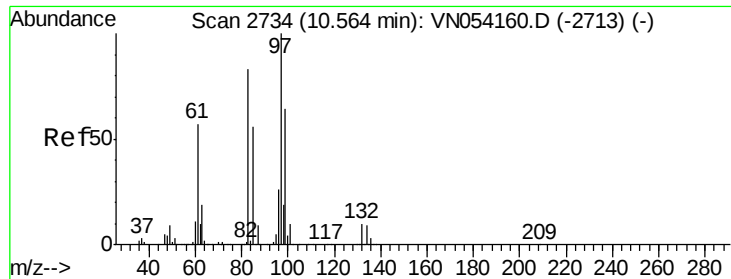
Tgt Ion: 75 Resp: 510

Ion Ratio Lower Upper

75 100

77 3461.8 25.8 38.8#

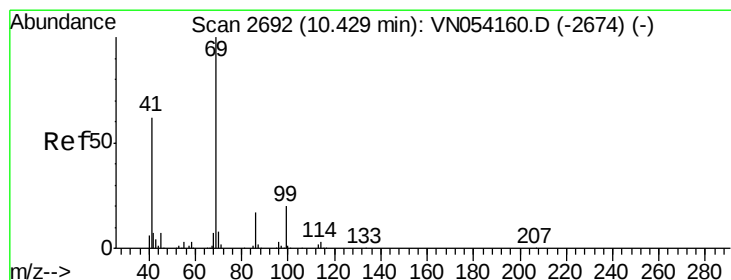
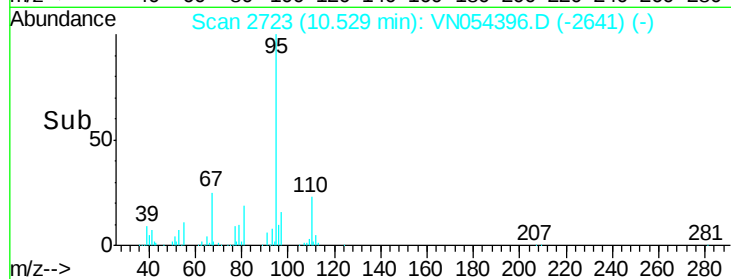
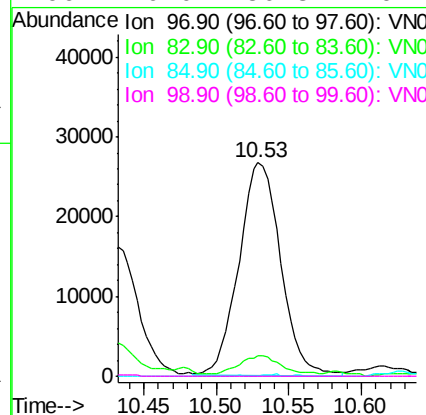
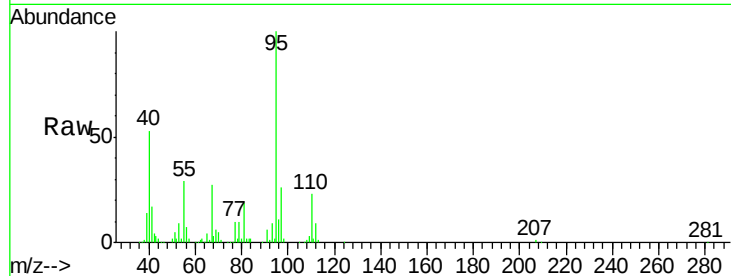




#55
 1,1,2-Trichloroethane
 Concen: 3.232 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.04 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

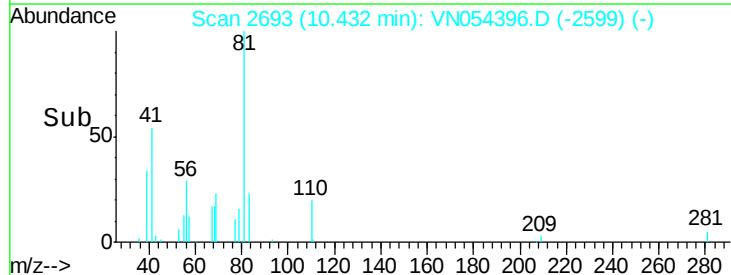
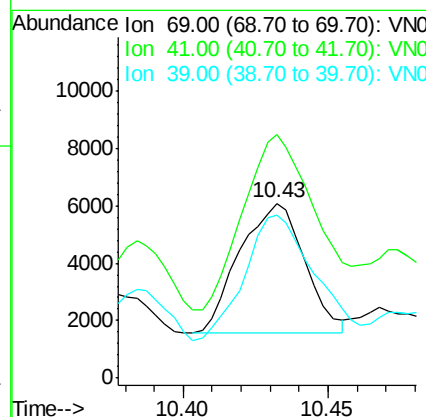
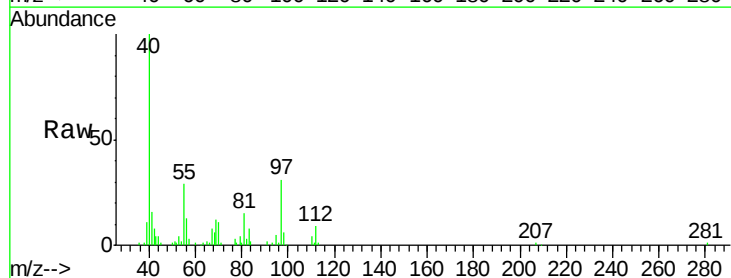
Instrument :
 MSVOA_N
 ClientSampleId :

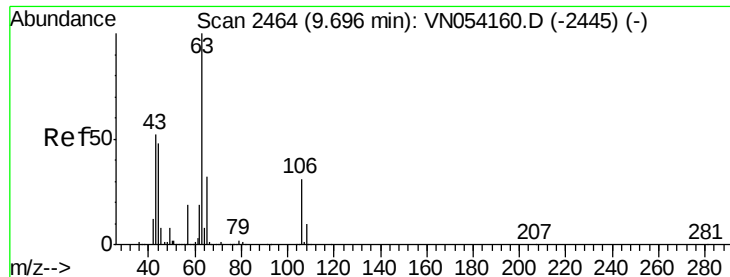
Tot Ion: 97 Resp: 53256
 Ion Ratio Lower Upper
 97 100
 83 7.8 66.6 100.0#
 85 0.0 44.4 66.6#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 0.354 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion: 69 Resp: 6959
 Ion Ratio Lower Upper
 69 100
 41 150.1 49.4 74.2#
 39 104.6 28.3 42.5#

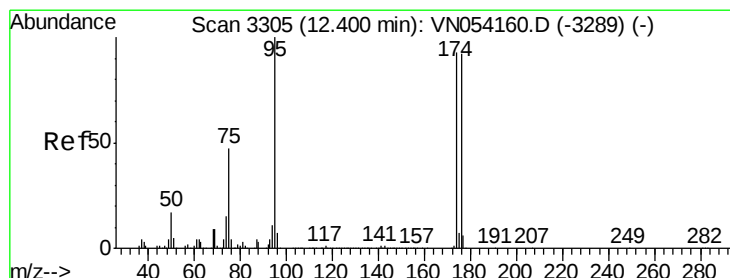
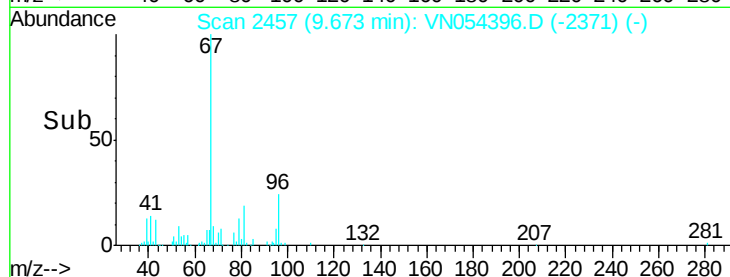
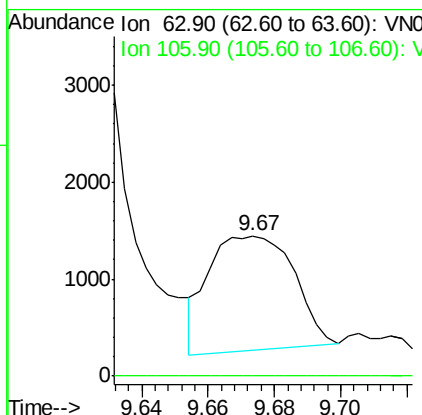
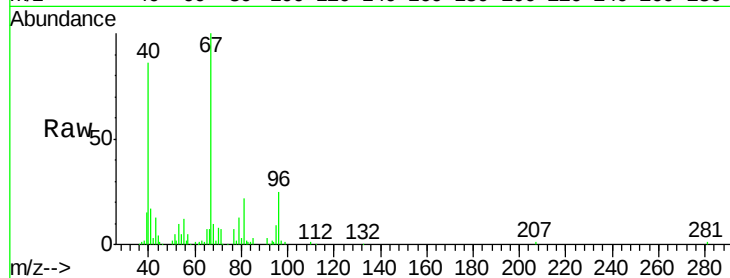




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.056 ug/l
 RT: 9.67 min Scan# 2457
 Delta R.T. -0.02 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

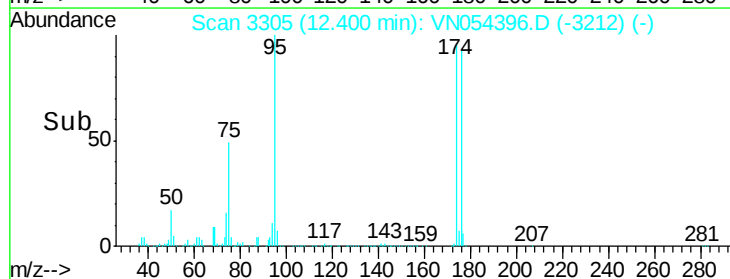
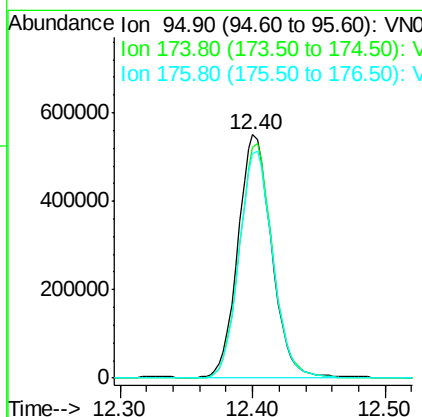
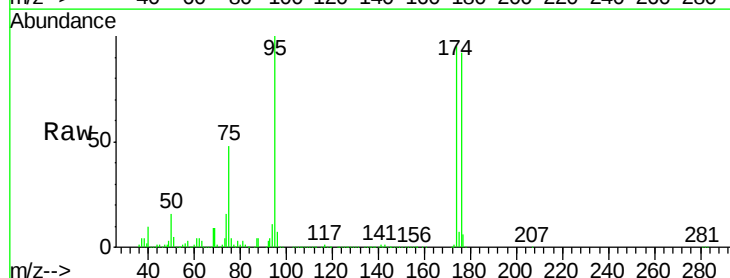
Instrument :
 MSVOA_N
 ClientSampled :

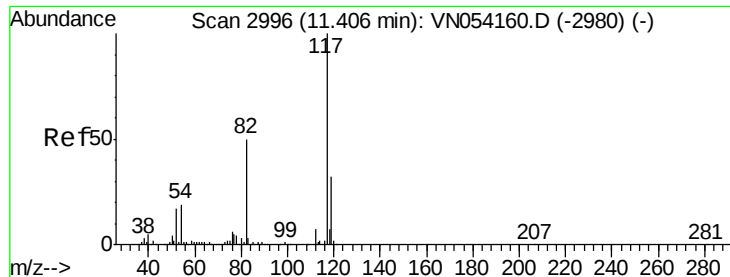
Tot Ion: 63 Resp: 2087
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#



#62
 4-Bromofluorobenzene
 Concen: 42.878 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion: 95 Resp: 965234
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 191.0
 176 93.8 0.0 187.4

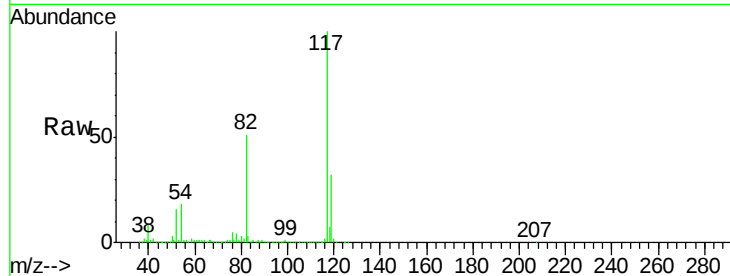




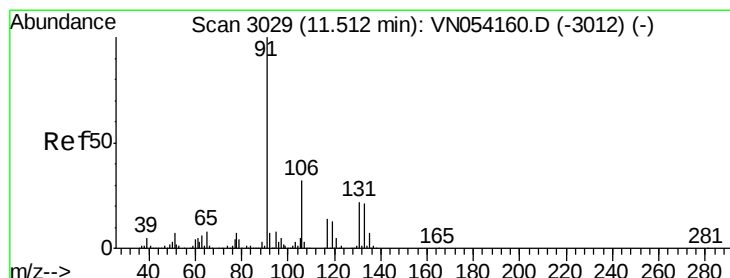
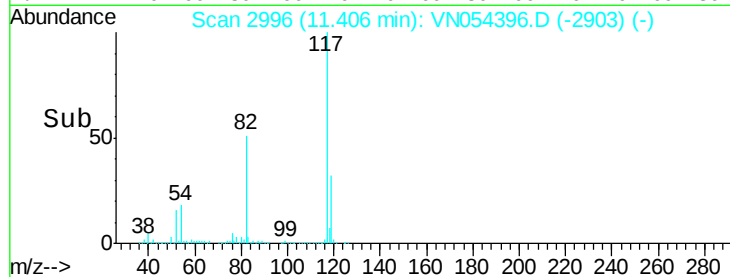
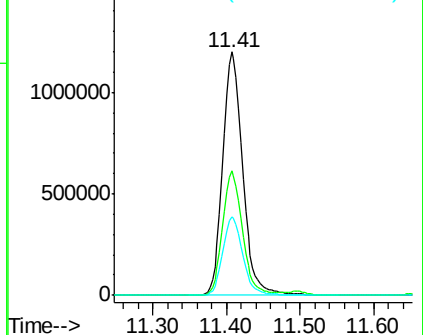
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2270104
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.3 25.8 38.6

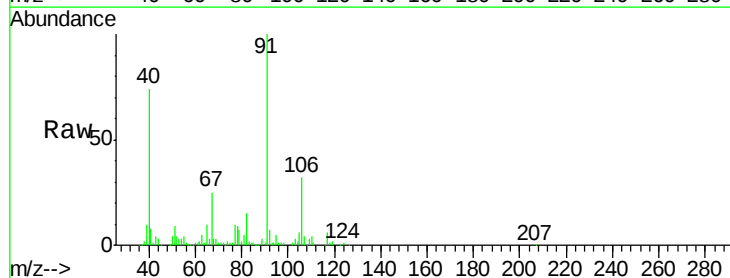


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

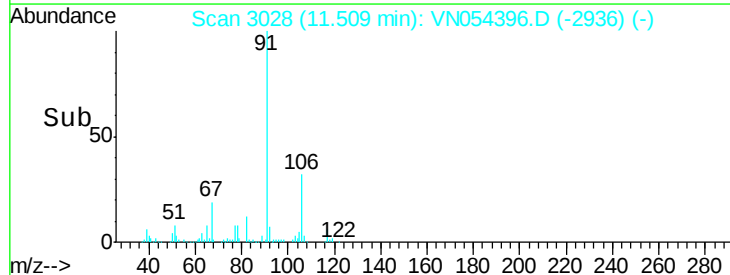
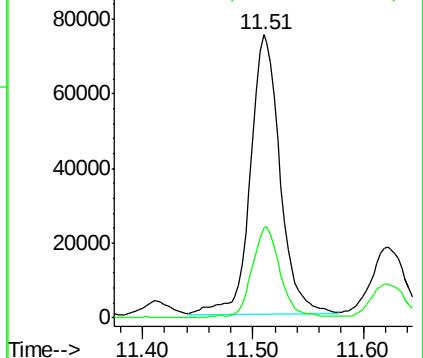


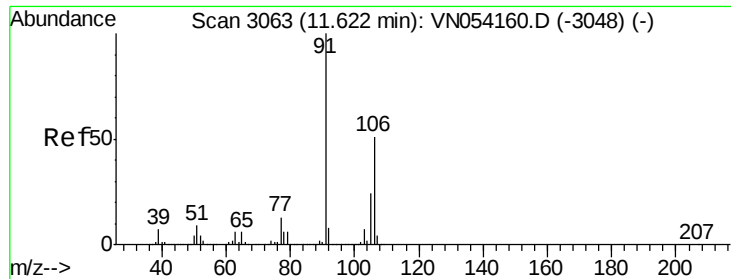
#67
Ethyl Benzene
Concen: 1.697 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 91 Resp: 140227
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



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

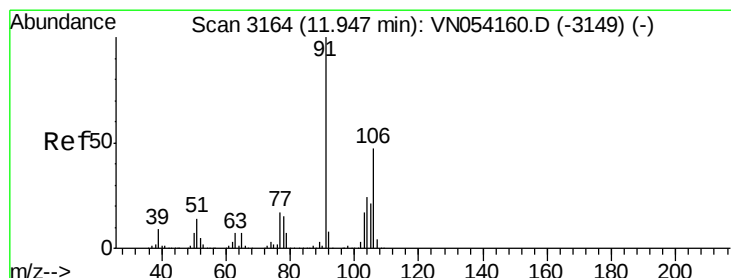
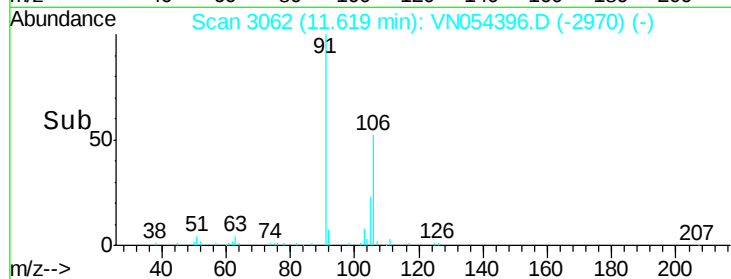
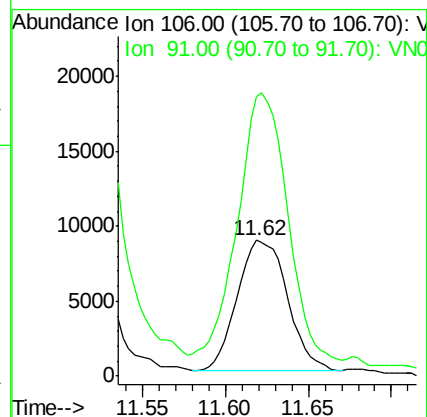
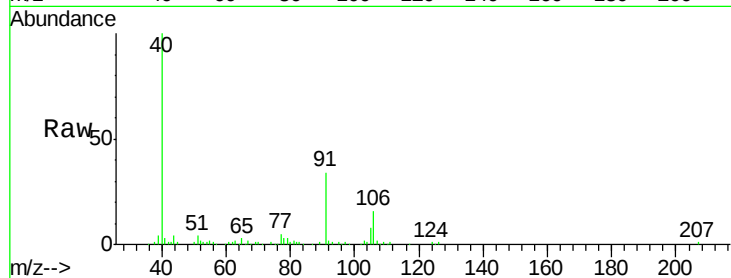




#68
m/p-Xylenes
Concen: 0.568 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

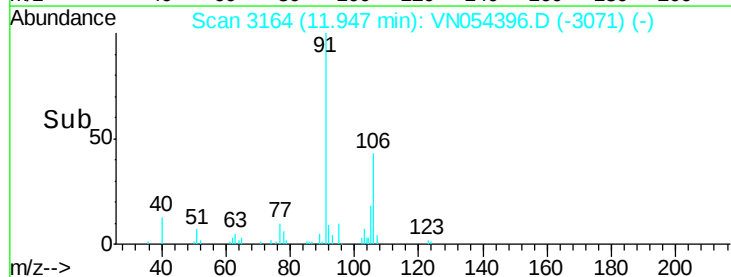
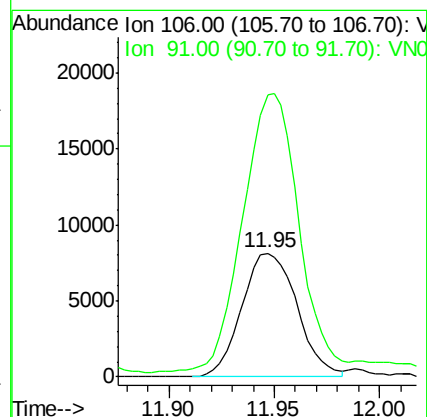
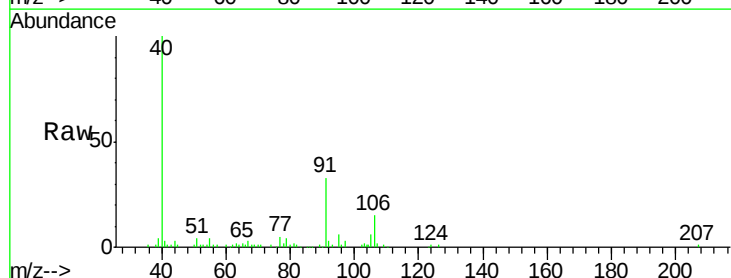
Instrument :
MSVOA_N
ClientSampled :

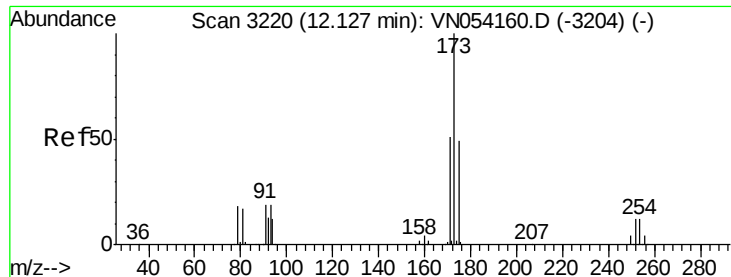
Tot Ion:106 Resp: 18349
Ion Ratio Lower Upper
106 100
91 201.0 159.4 239.2



#69
o-Xylene
Concen: 0.470 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion:106 Resp: 14809
Ion Ratio Lower Upper
106 100
91 232.6 105.7 317.1





#71

Bromoform

Concen: 2.731 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampled :

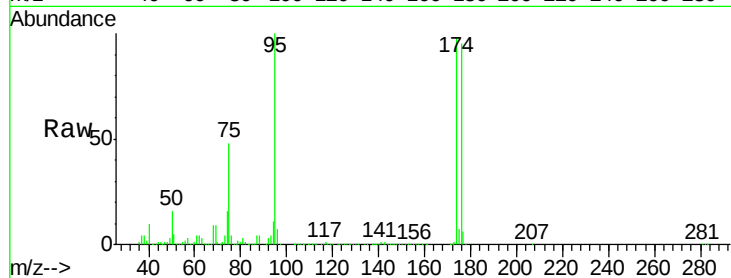
Tot Ion:173 Resp: 5505

Ion Ratio Lower Upper

173 100

175 1002.7 24.4 73.2#

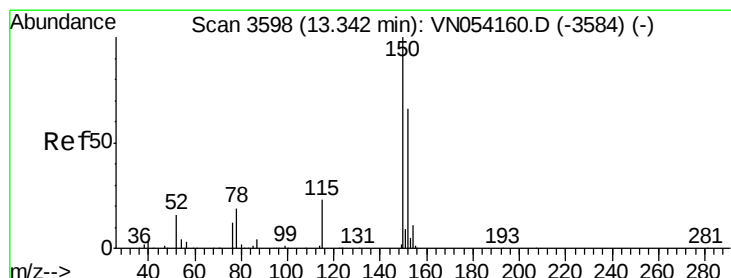
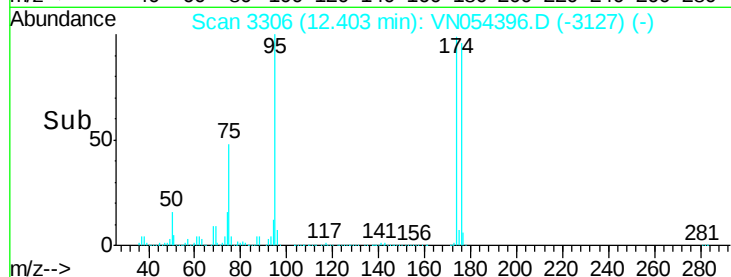
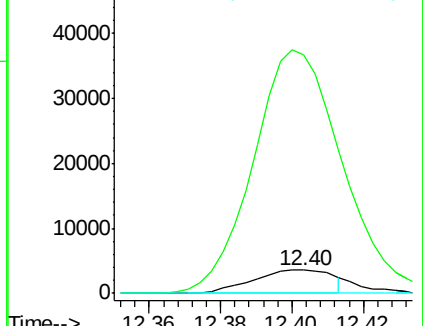
254 0.0 0.1 0.1#



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: VN054396.D

Acq: 18 Mar 2019 16:16

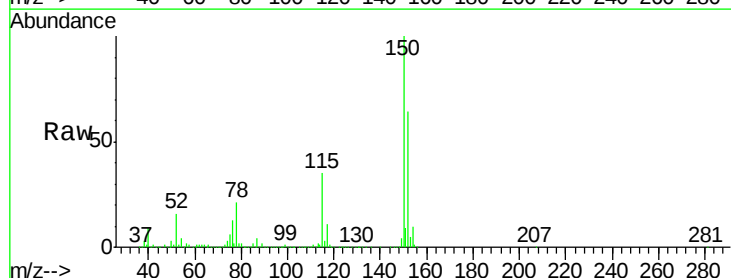
Tgt Ion:152 Resp: 952980

Ion Ratio Lower Upper

152 100

115 57.1 27.2 81.6

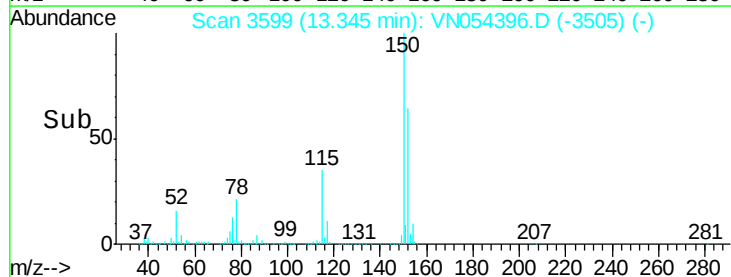
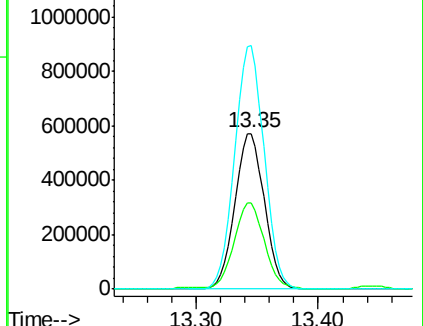
150 157.5 0.0 349.2

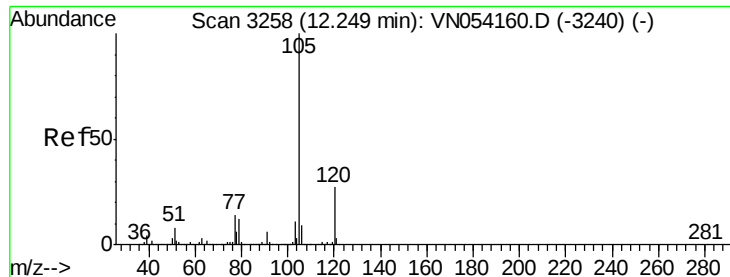


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

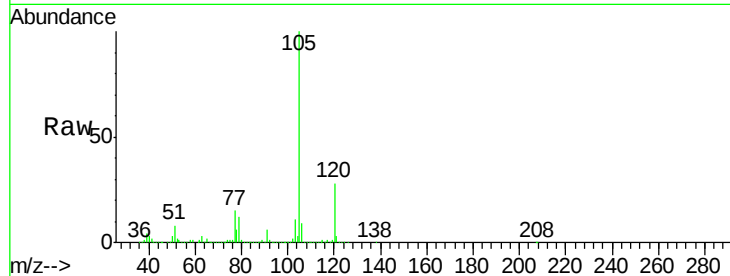
ClientSampled :

Tot Ion:105 Resp: 4021141

Ion Ratio Lower Upper

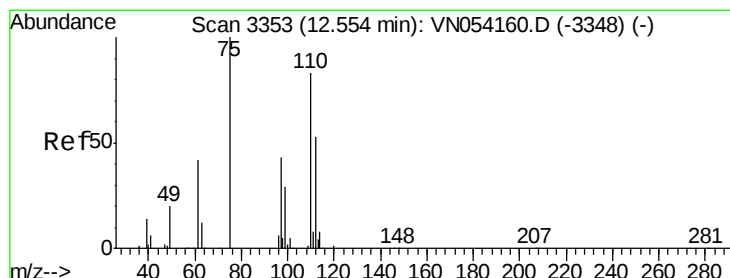
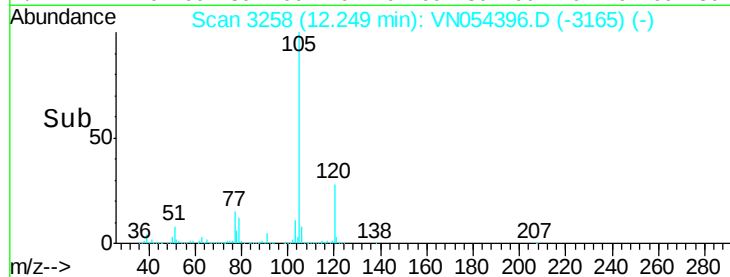
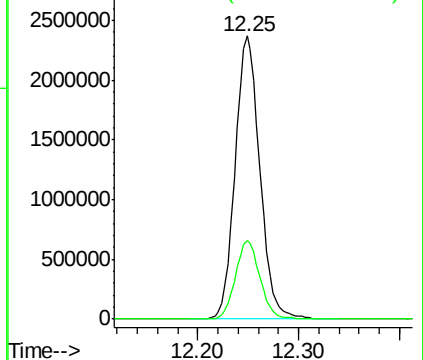
105 100

120 27.7 13.8 41.3



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: 5.315 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN054396.D

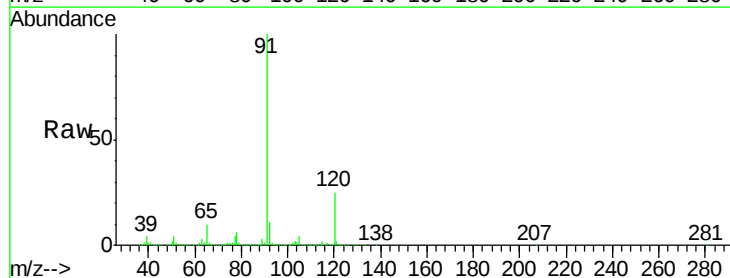
Acq: 18 Mar 2019 16:16

Tgt Ion: 75 Resp: 74490

Ion Ratio Lower Upper

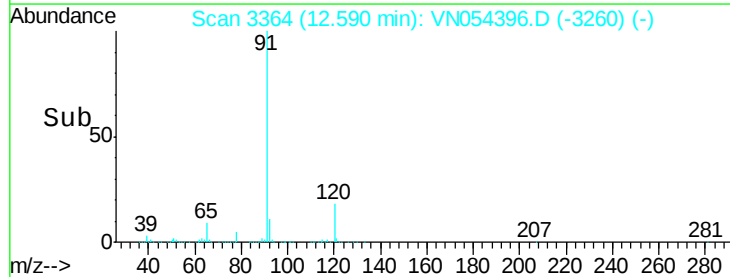
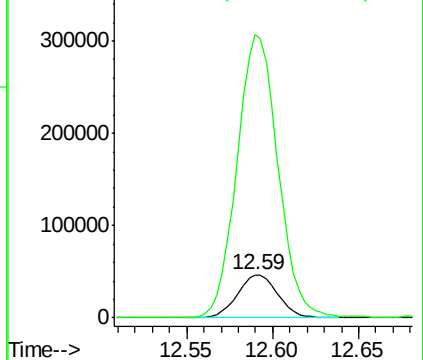
75 100

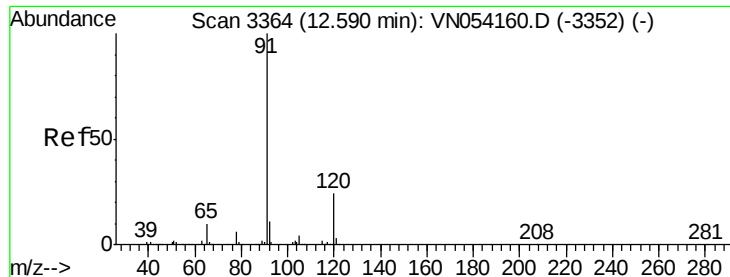
77 679.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 166.583 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

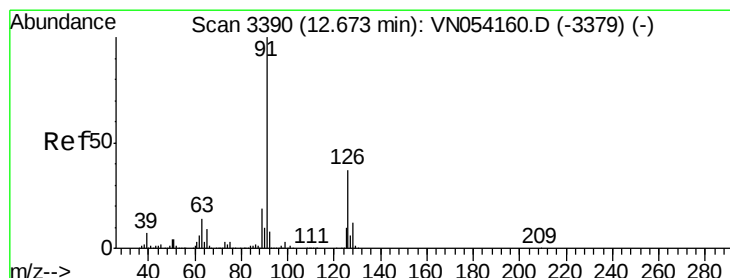
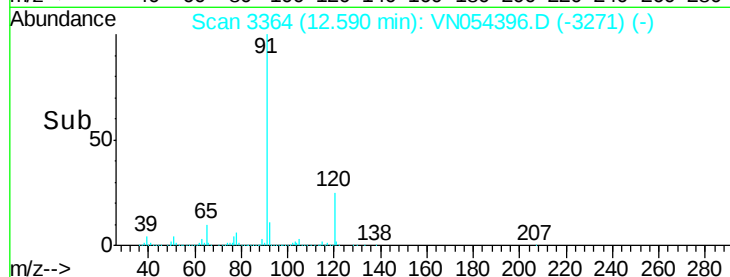
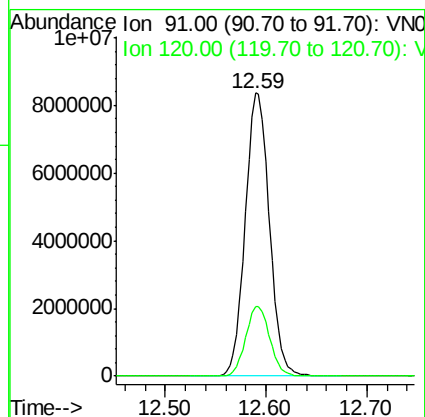
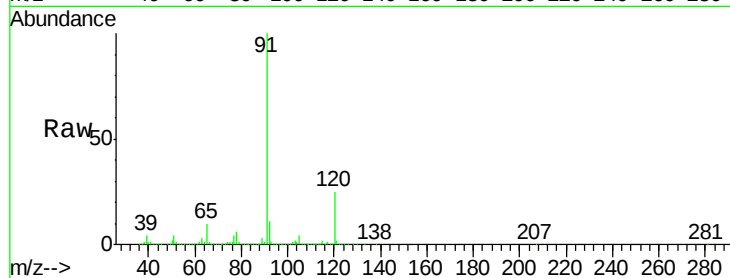
ClientSampled :

Tot Ion: 91 Resp:13781399

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.9



#79

2-Chlorotoluene

Concen: 277.052 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN054396.D

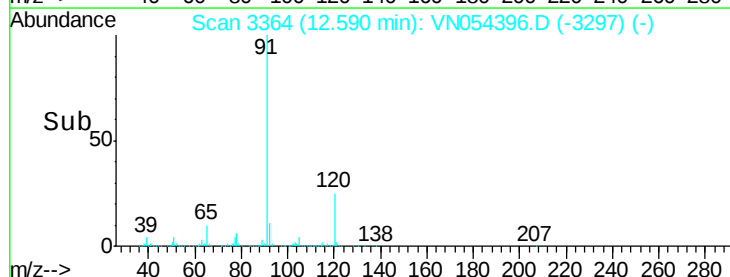
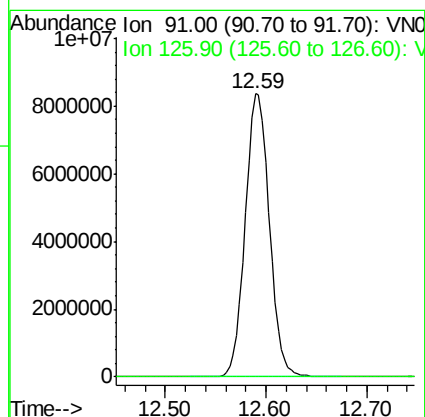
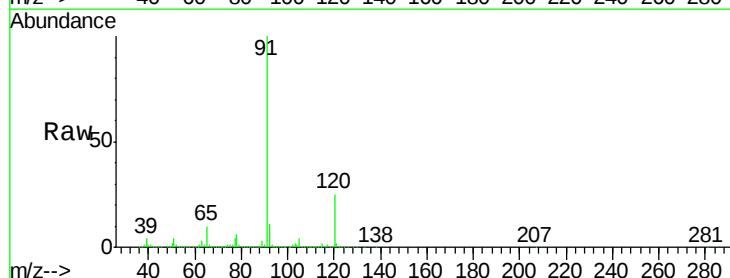
Acq: 18 Mar 2019 16:16

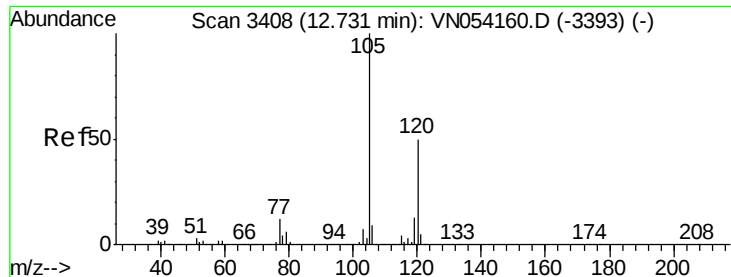
Tgt Ion: 91 Resp:13781399

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 6.714 ug/l

RT: 12.89 min Scan# 3457

Delta R.T. 0.16 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

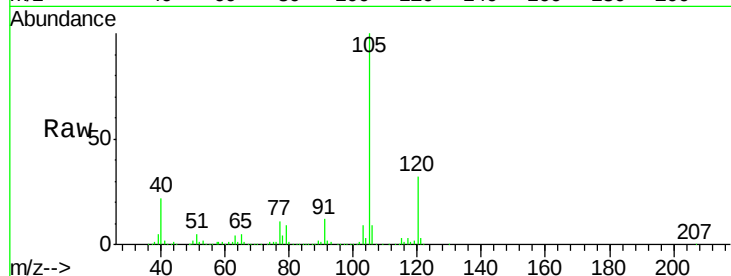
ClientSampleId :

Tot Ion:105 Resp: 425817

Ion Ratio Lower Upper

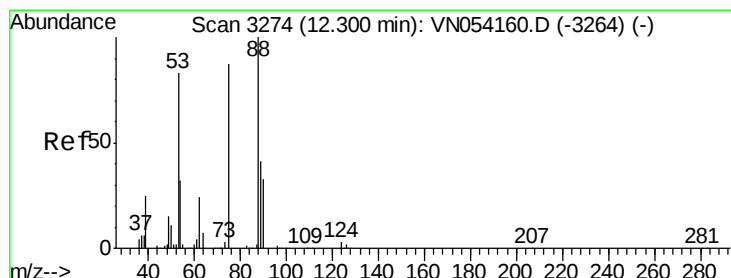
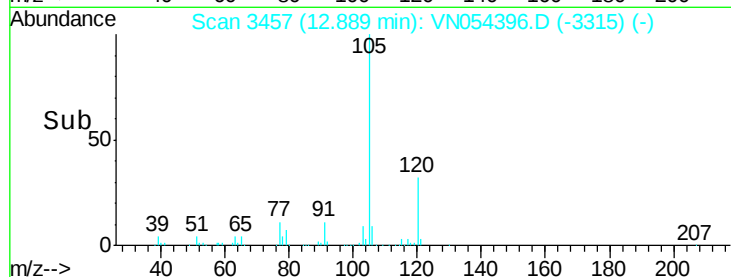
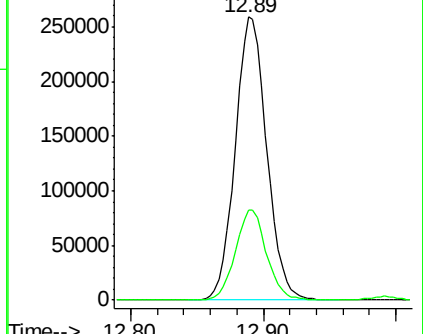
105 100

120 31.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 10.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

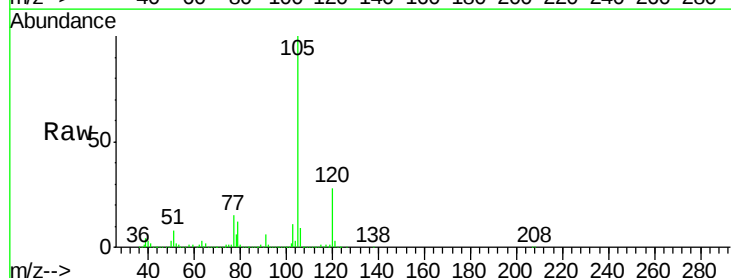
Tgt Ion: 75 Resp: 44026

Ion Ratio Lower Upper

75 100

53 92.5 76.2 114.2

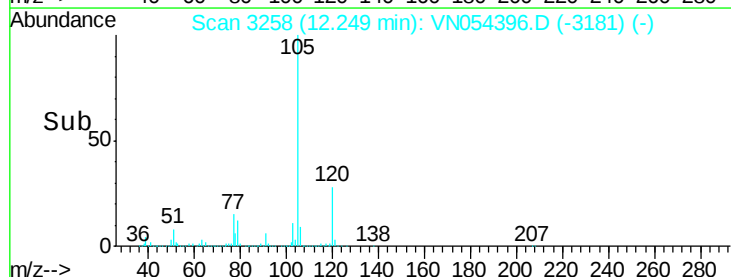
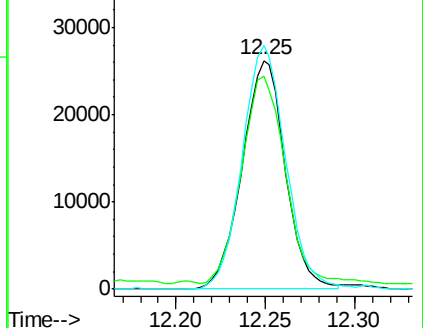
89 107.5 39.2 58.8#

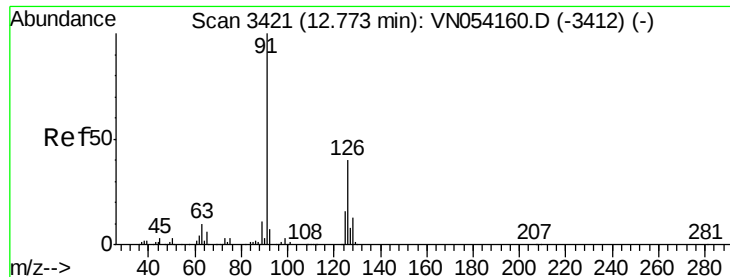


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

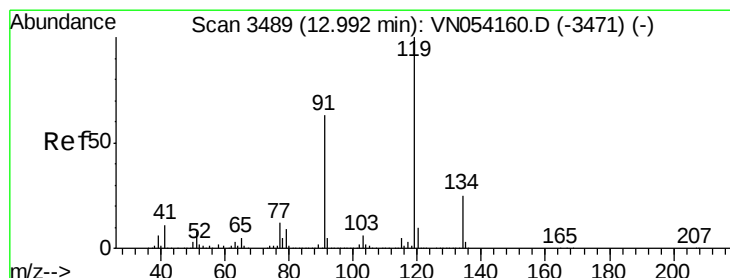
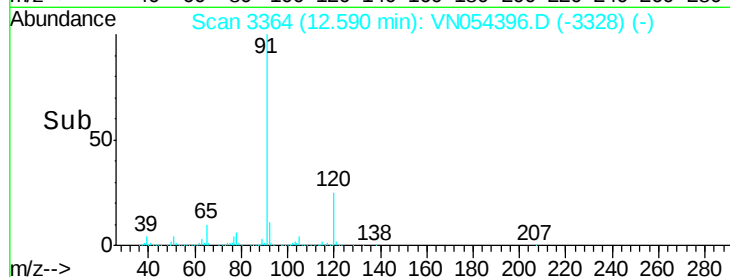
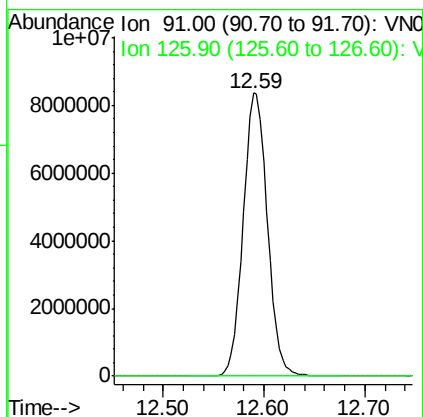
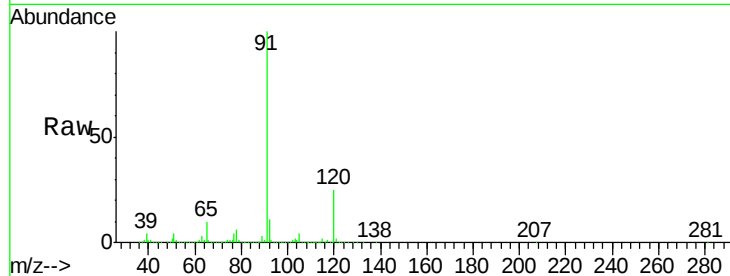




#82
4-Chlorotoluene
Concen: 277.459 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.18 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

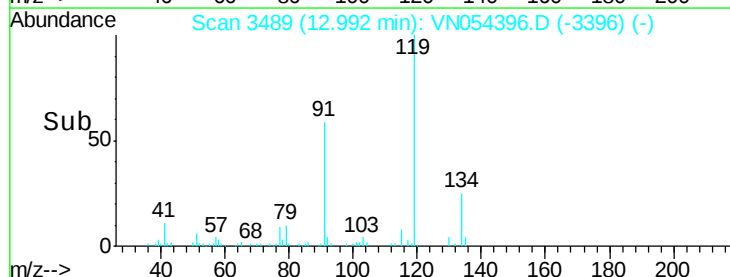
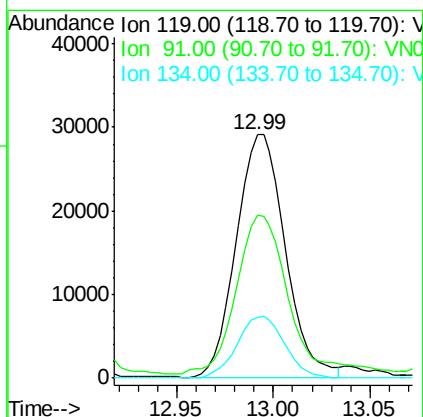
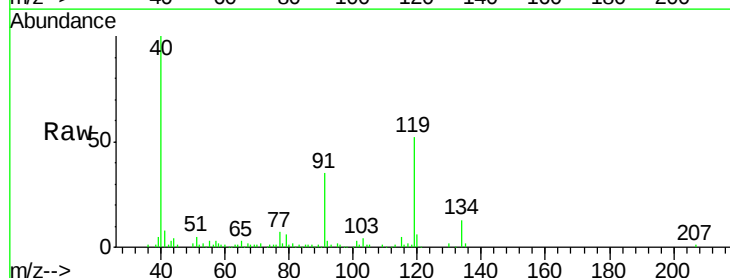
Instrument :
MSVOA_N
ClientSampleId :

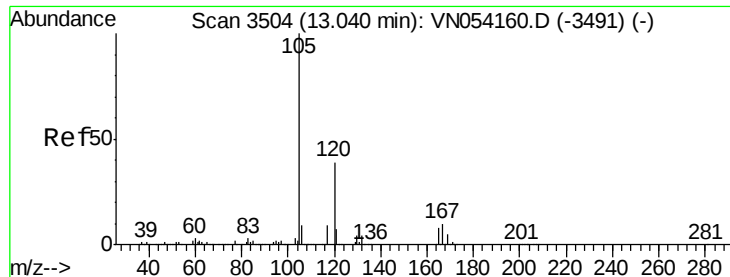
Tot Ion: 91 Resp:13781399
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#83
tert-Butylbenzene
Concen: 0.883 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion:119 Resp: 51543
Ion Ratio Lower Upper
119 100
91 69.4 30.9 92.8
134 24.4 13.2 39.6

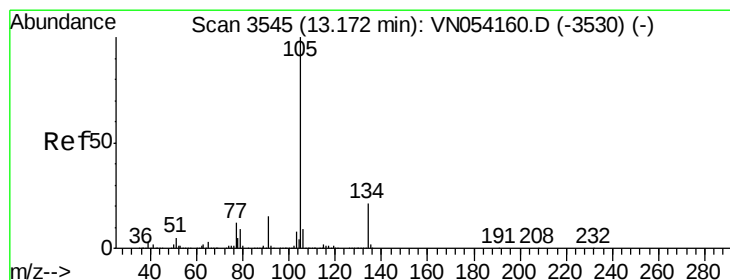
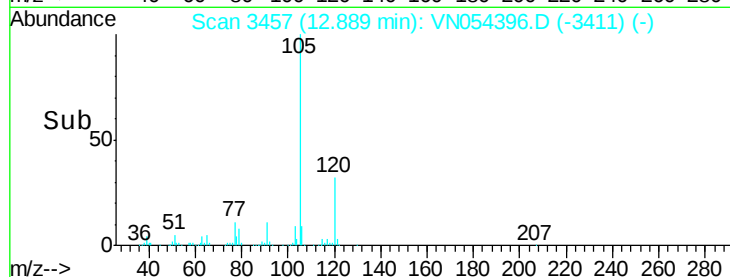
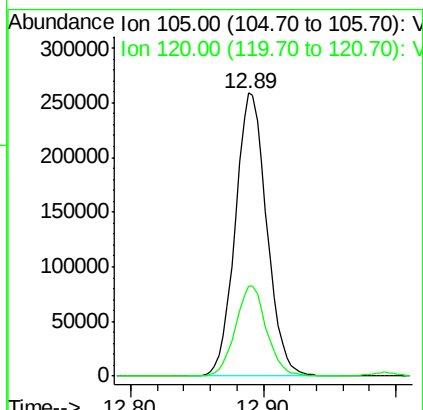
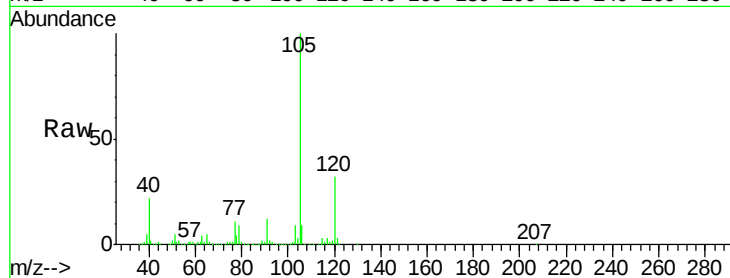




#84
 1,2,4-Trimethylbenzene
 Concen: 6.844 ug/l
 RT: 12.89 min Scan# 3457
 Delta R.T. -0.15 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

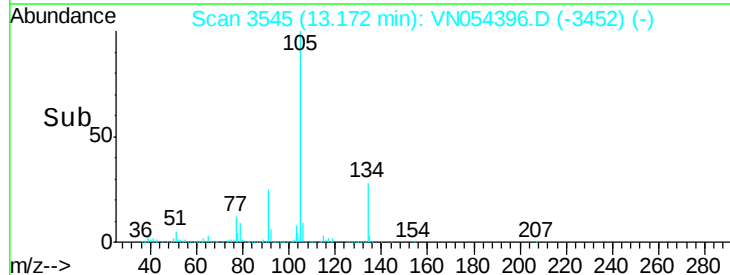
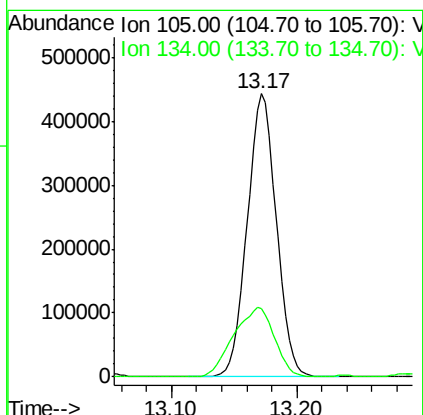
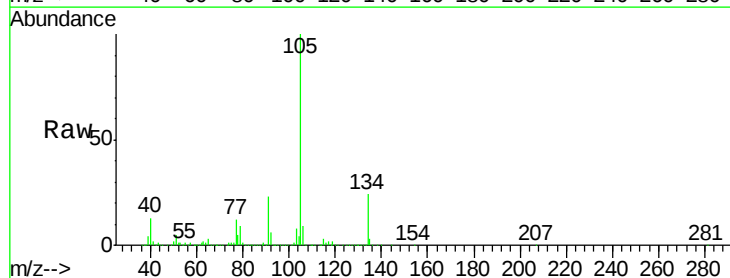
Instrument :
 MSVOA_N
 ClientSampleId :

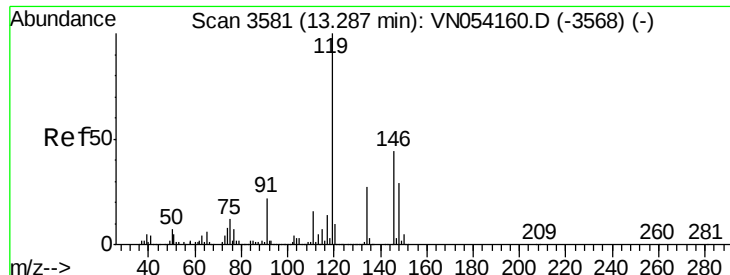
Tot Ion:105 Resp: 425817
 Ion Ratio Lower Upper
 105 100
 120 31.5 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 9.474 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion:105 Resp: 717170
 Ion Ratio Lower Upper
 105 100
 134 34.2 10.7 32.1#

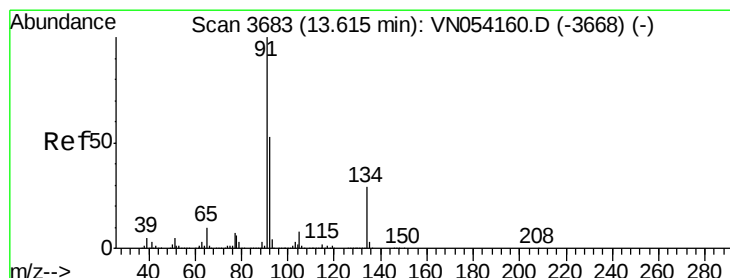
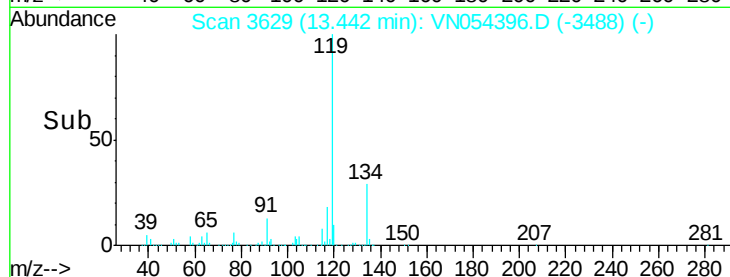
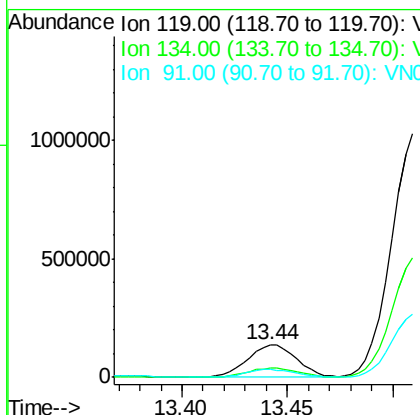
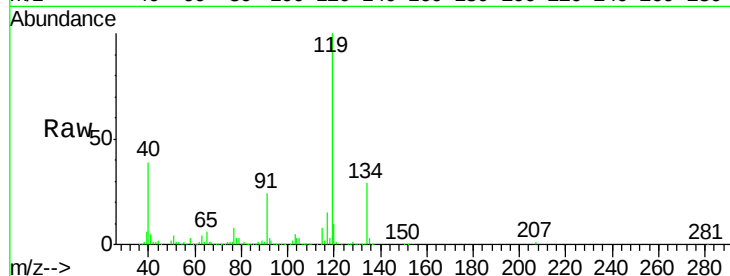




#86
p-Isopropyltoluene
Concen: 3.335 ug/l
RT: 13.44 min Scan# 3629
Delta R.T. 0.15 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

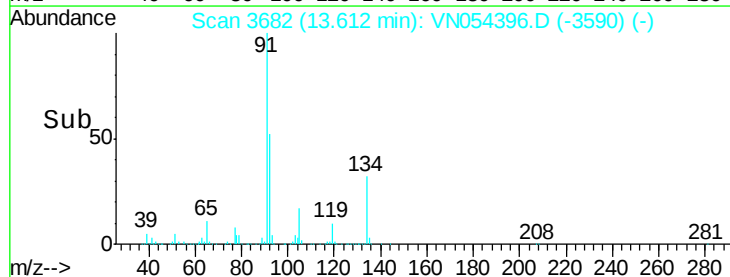
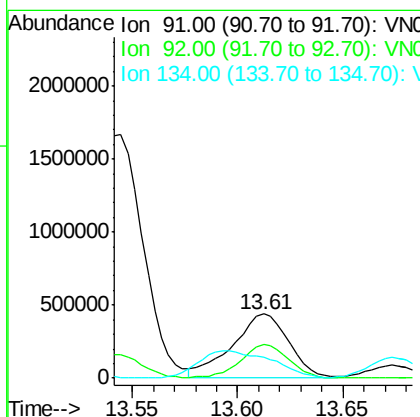
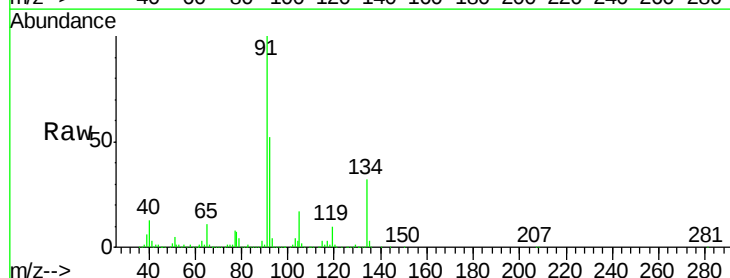
Instrument :
MSVOA_N
ClientSampled :

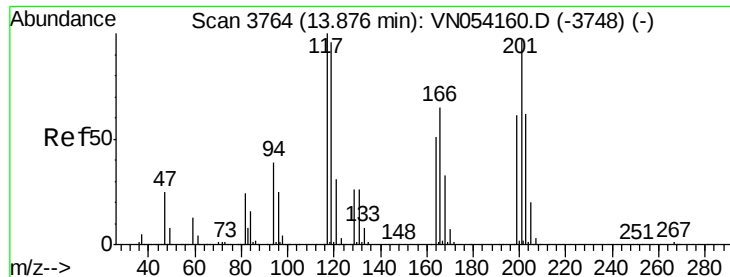
Tot Ion:119 Resp: 221479
Ion Ratio Lower Upper
119 100
134 29.7 13.6 40.8
91 0.0 11.1 33.3#



#89
n-Butylbenzene
Concen: 16.219 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion: 91 Resp: 818465
Ion Ratio Lower Upper
91 100
92 44.2 26.2 78.6
134 55.3 14.3 42.9#





#90

Hexachloroethane

Concen: 57.022 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

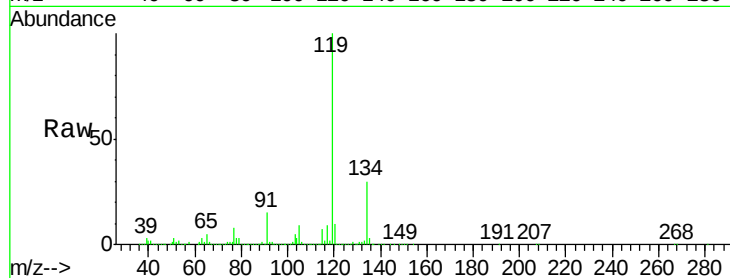
ClientSampled :

Tot Ion:117 Resp: 627080

Ion Ratio Lower Upper

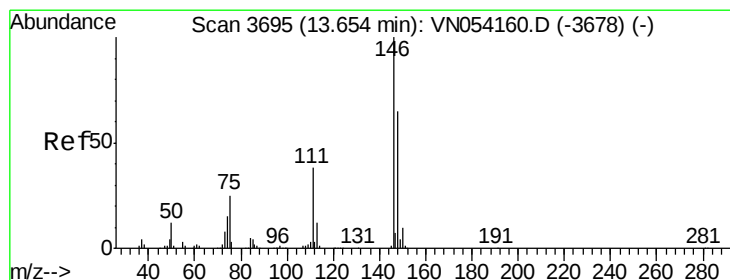
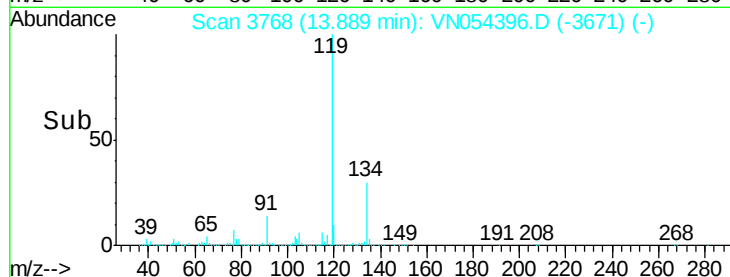
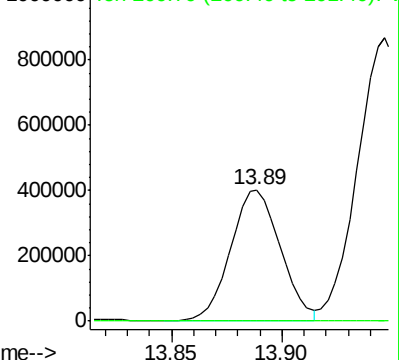
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.371 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

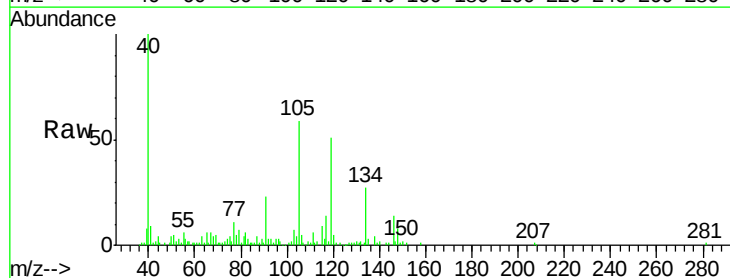
Tgt Ion:146 Resp: 12332

Ion Ratio Lower Upper

146 100

111 48.5 19.1 57.3

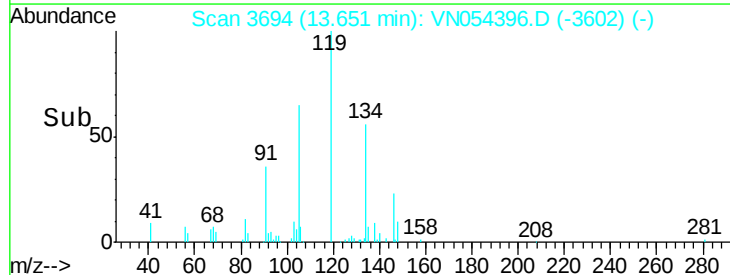
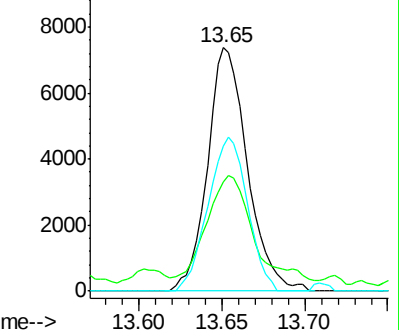
148 62.4 32.4 97.0

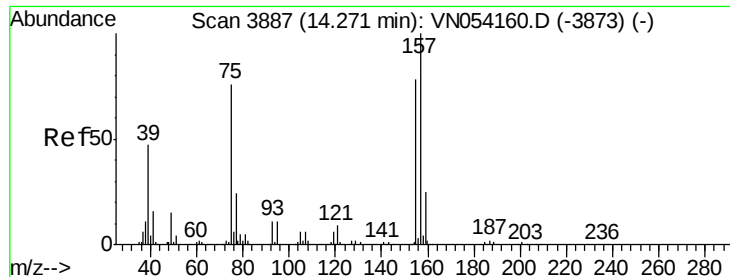


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

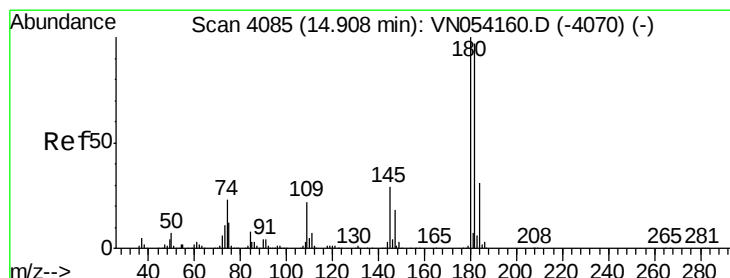
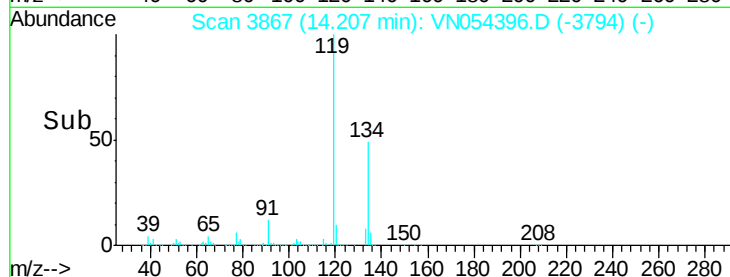
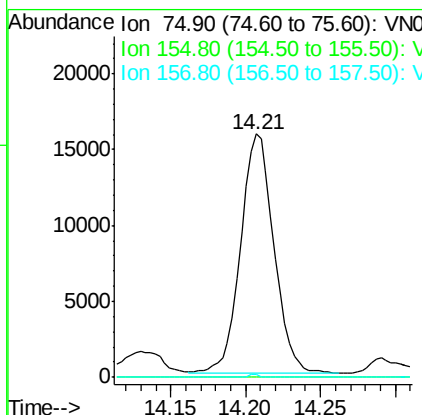
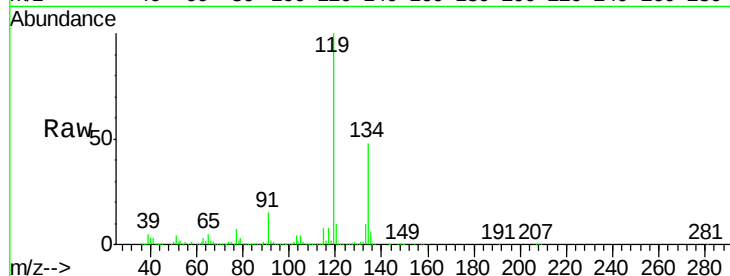




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.710 ug/l
 RT: 14.21 min Scan# 3867
 Delta R.T. -0.06 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

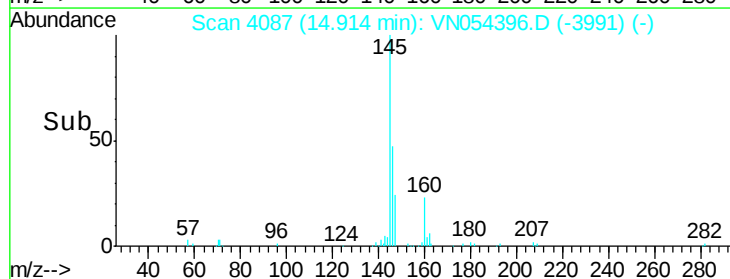
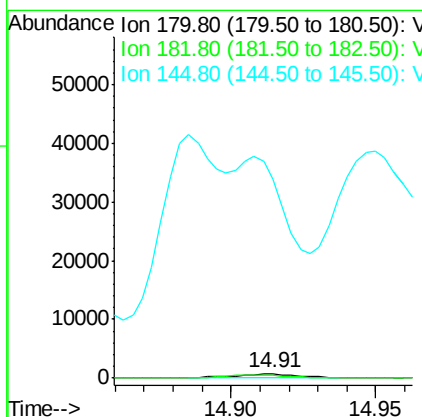
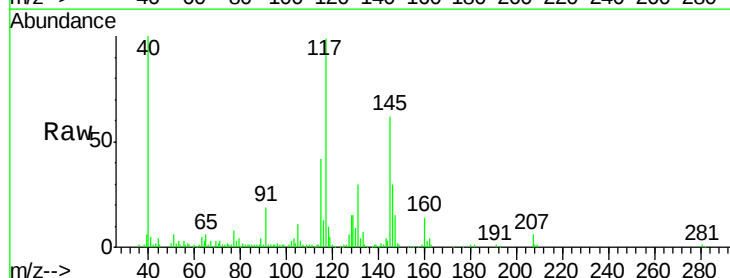
Instrument :
 MSVOA_N
 ClientSampleId :

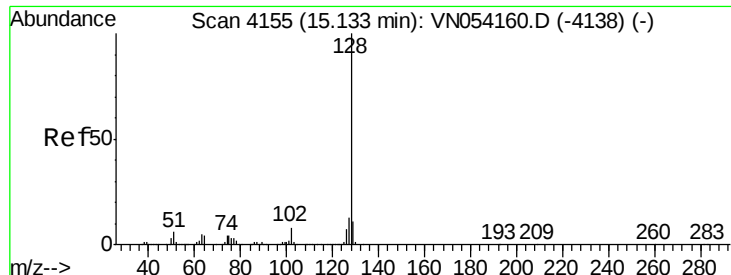
Tot Ion: 75 Resp: 24407
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 0.3 63.1 189.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.567 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion: 180 Resp: 1073
 Ion Ratio Lower Upper
 180 100
 182 71.4 48.0 144.2
 145 0.0 14.2 42.8#





#95

Naphthalene

Concen: 3.597 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

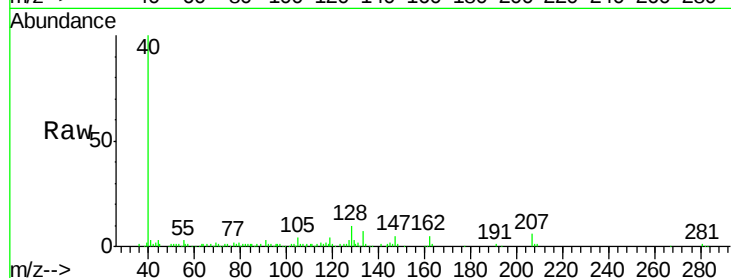
Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:128 Resp: 5733

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.7 13.1#

