

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054126.D
 Acq On : 6 Mar 2019 19:32
 Operator : JC/SP
 Sample : K1755-27
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

Quant Time: Mar 07 06:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	602084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1092267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1075634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	449222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375100	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	7.59	113	345110	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.09	98	1381064	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.40	95	508400	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	

Target Compounds

					Qvalue	
3) Chloromethane	2.05	50	1373	Below Cal		96
5) Bromomethane	2.57	94	547	Below Cal	#	46
8) Diethyl Ether	3.41	74	2644	0.693	ug/l #	1
10) Methyl Iodide	3.96	142	769	3.264	ug/l #	63
11) Tert butyl alcohol	4.78	59	87147	198.103	ug/l	98
13) Acrolein	3.61	56	1741	30.687	ug/l	97
14) Allyl chloride	4.32	41	9348	0.892	ug/l #	31
16) Acetone	3.82	43	101827	45.723	ug/l	95
17) Carbon Disulfide	4.05	76	3856	Below Cal	#	92
18) Methyl Acetate	4.32	43	668200	127.217	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	7010	0.430	ug/l #	70
20) Methylene Chloride	4.54	84	1418	Below Cal		86
25) 2-Butanone	6.84	43	41619	14.046	ug/l	99
36) 1,1-Dichloropropene	7.82	75	2461	0.240	ug/l #	41
37) Ethyl Acetate	6.93	43	19277	2.613	ug/l #	90
38) Carbon Tetrachloride	7.66	117	52350	5.349	ug/l #	15
40) Benzene	8.04	78	326752	10.773	ug/l	98
42) 1,2-Dichloroethane	8.04	62	2919	0.304	ug/l	83
43) Isopropyl Acetate	8.17	43	23305	3.415	ug/l #	83
44) Trichloroethene	8.84	130	1697	0.209	ug/l	87
48) Methyl methacrylate	9.17	41	5473	0.970	ug/l #	36
49) 1,4-Dioxane	9.20	88	2244	27.670	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	4071	0.622	ug/l	98
52) Toluene	10.16	92	1041766	57.973	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	11898	1.207	ug/l #	1
59) 2-Hexanone	10.75	43	1301	0.301	ug/l	75
67) Ethyl Benzene	11.51	91	84870	2.266	ug/l	98
68) m/p-Xylenes	11.62	106	175326	12.403	ug/l	100
69) o-Xylene	11.95	106	82499	6.065	ug/l	100
70) Styrene	11.96	104	68090	3.154	ug/l	89
71) Bromoform	12.40	173	3237	0.587	ug/l #	1
74) N-amyl acetate	12.10	43	3138	0.331	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	240	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	246286	32.170	ug/l #	100

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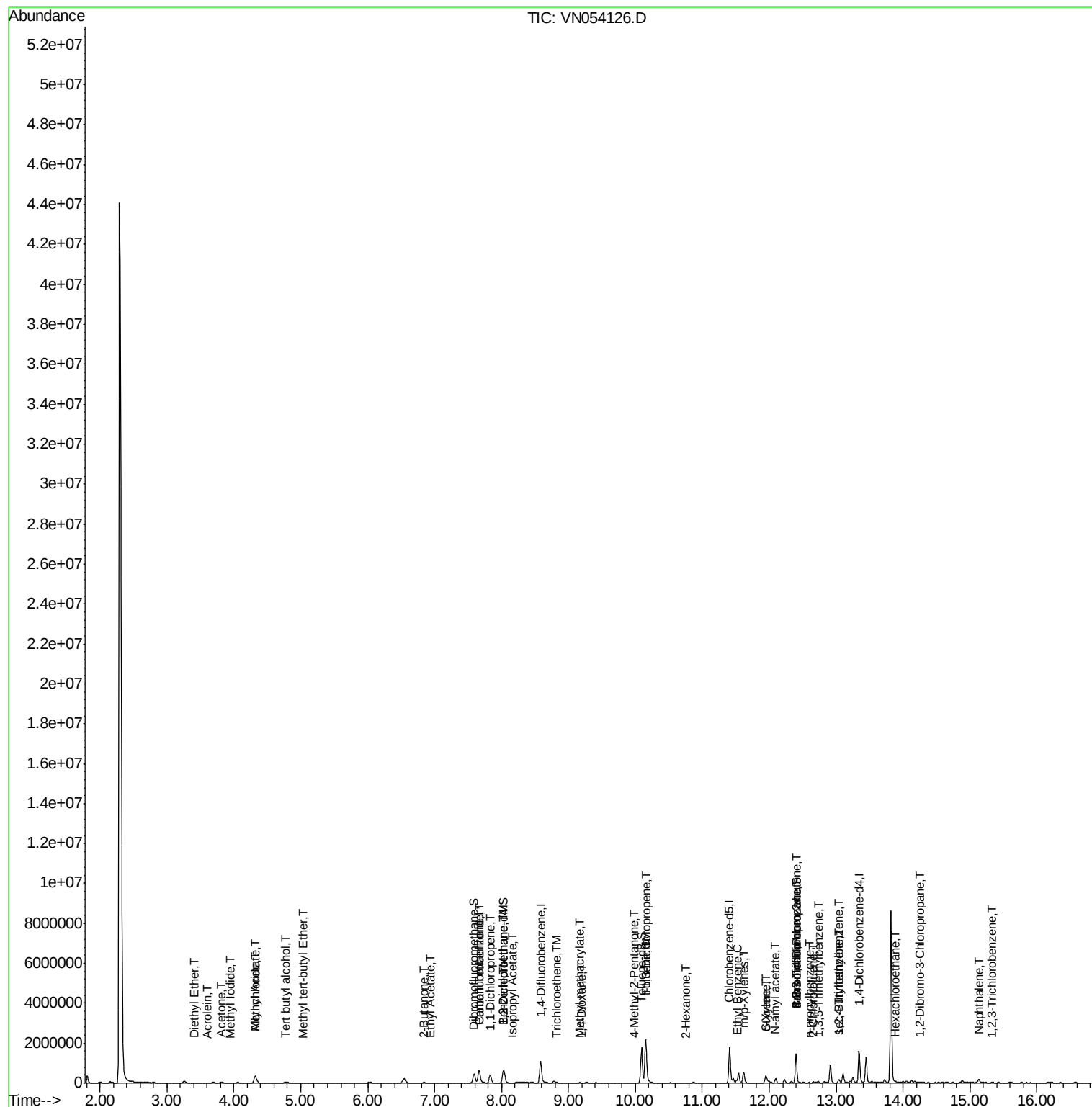
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Bromobenzene	12.53	156	470	Below Cal	#	23
78) n-propylbenzene	12.59	91	14740	0.366 ug/l		98
79) 2-Chlorotoluene	12.66	91	9201	0.377 ug/l	#	44
80) 1,3,5-Trimethylbenzene	12.73	105	27080	0.932 ug/l		92
81) trans-1,4-Dichloro-2-buten	12.40	75	246286	110.478 ug/l	#	12
84) 1,2,4-Trimethylbenzene	13.04	105	91285	3.165 ug/l		100
85) sec-Butylbenzene	13.04	105	91285	2.614 ug/l	#	57
90) Hexachloroethane	13.89	117	2430	0.432 ug/l	#	5
91) 1,2-Dichlorobenzene	13.65	146	1337	Below Cal		93
92) 1,2-Dibromo-3-Chloropropan	14.25	75	311	0.238 ug/l	#	1
94) Hexachlorobutadiene	15.01	225	145	Below Cal	#	44
95) Naphthalene	15.13	128	155075	12.945 ug/l		97
96) 1,2,3-Trichlorobenzene	15.32	180	510	2.485 ug/l	#	17

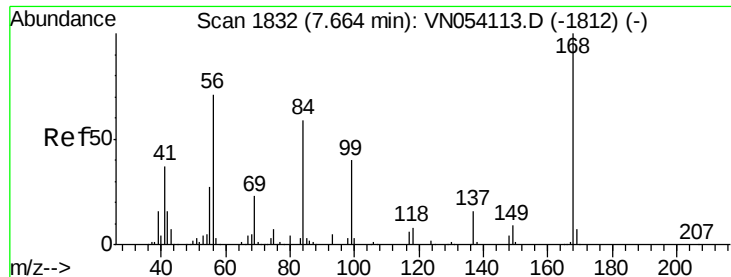
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

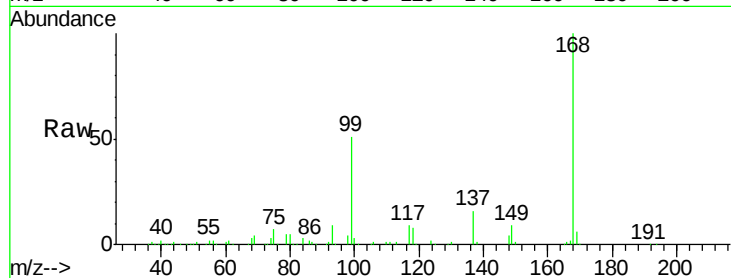
COMP-3

Tgt Ion:168 Resp: 602084

Ion Ratio Lower Upper

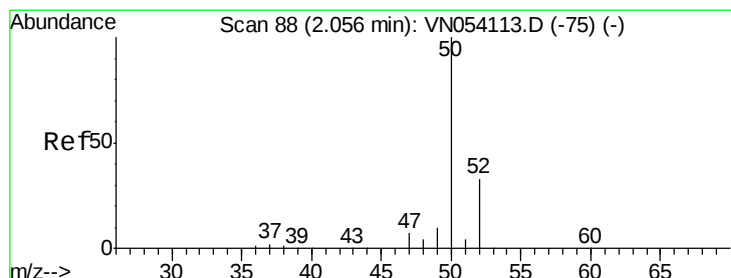
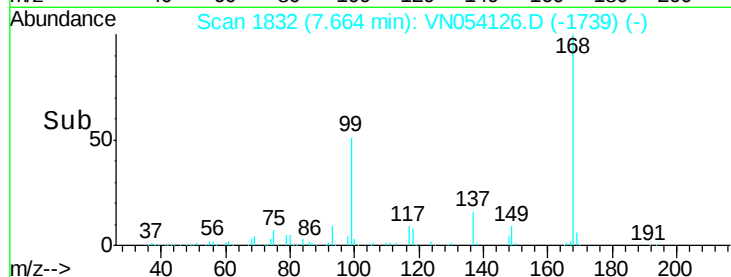
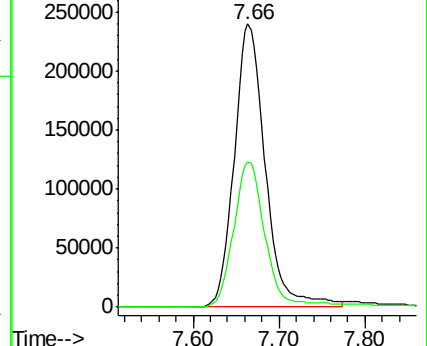
168 100

99 51.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054126.D

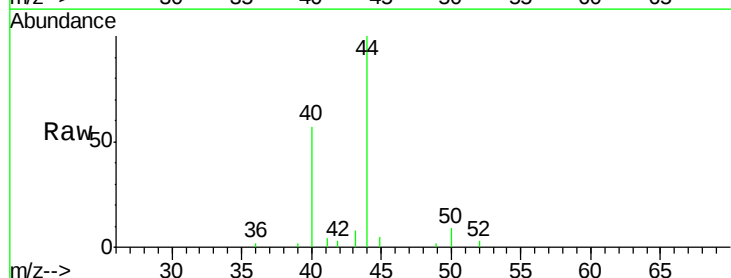
Acq: 6 Mar 2019 19:32

Tgt Ion: 50 Resp: 1373

Ion Ratio Lower Upper

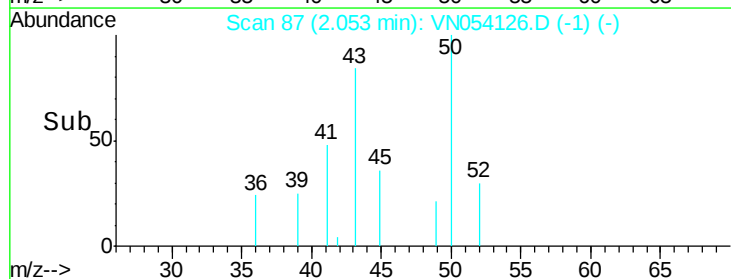
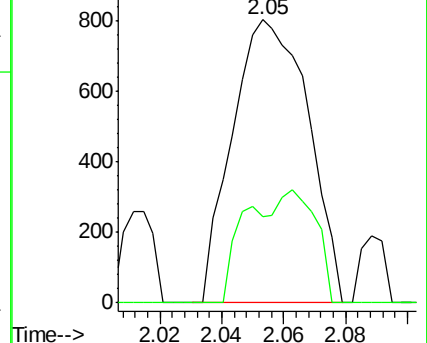
50 100

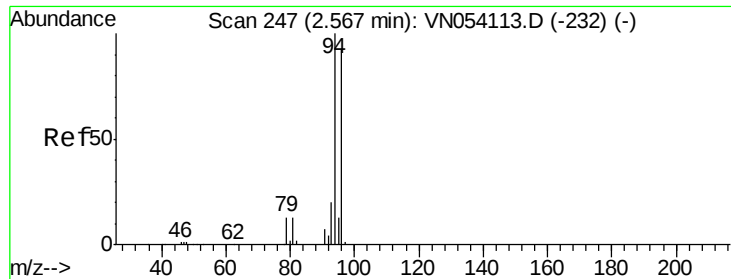
52 30.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

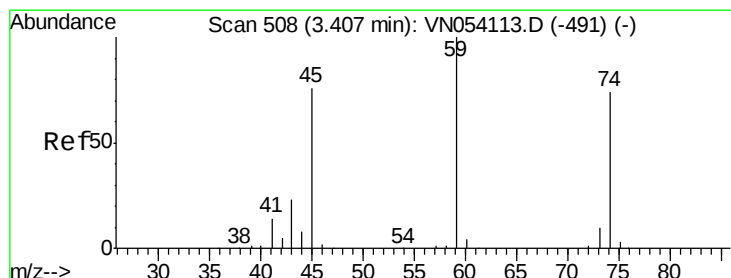
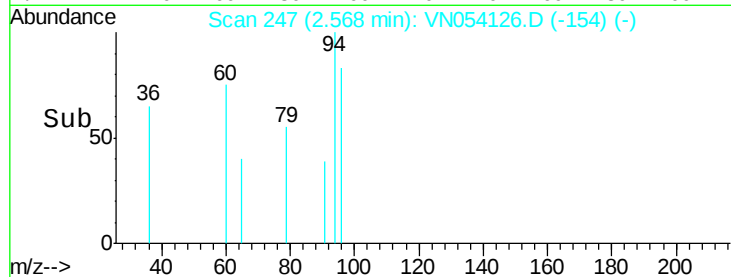
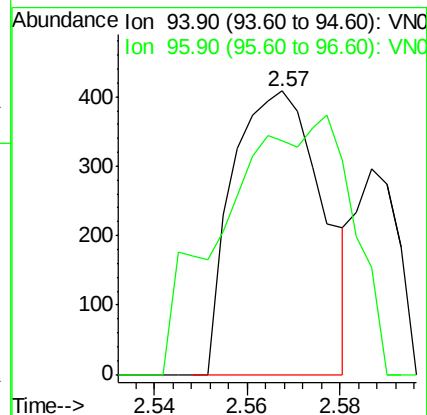
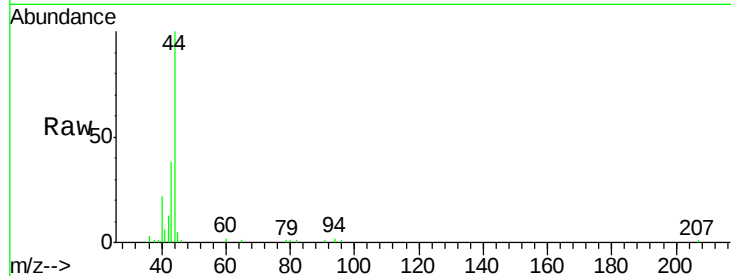
COMP-3

Tgt Ion: 94 Resp: 547

Ion Ratio Lower Upper

94 100

96 40.9 74.2 111.4#



#8

Diethyl Ether

Concen: 0.693 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN054126.D

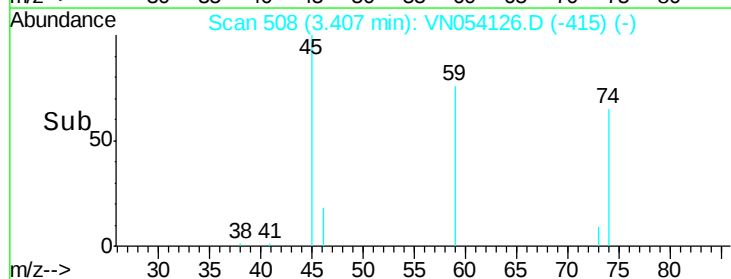
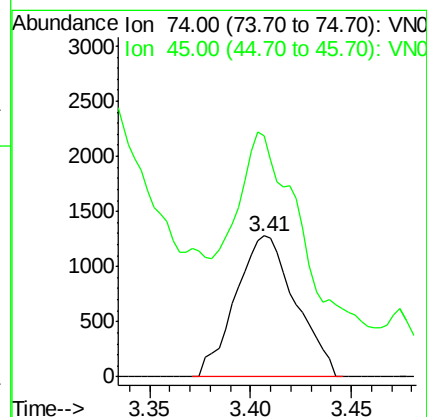
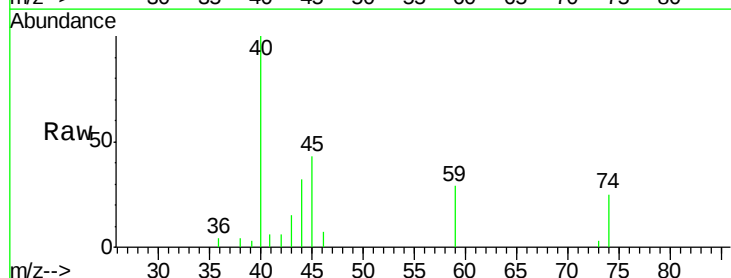
Acq: 6 Mar 2019 19:32

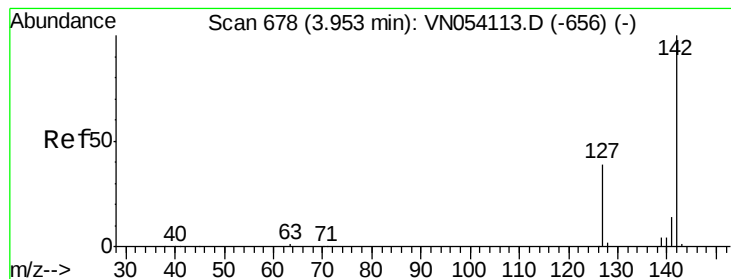
Tgt Ion: 74 Resp: 2644

Ion Ratio Lower Upper

74 100

45 0.0 51.7 155.2#





#10

Methyl Iodide

Concen: 3.264 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

COMP-3

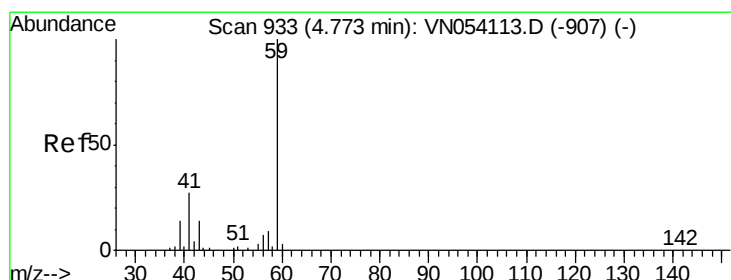
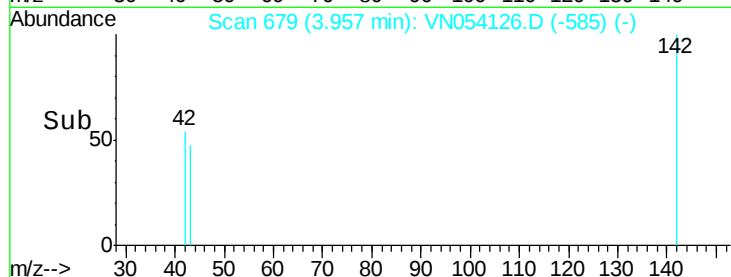
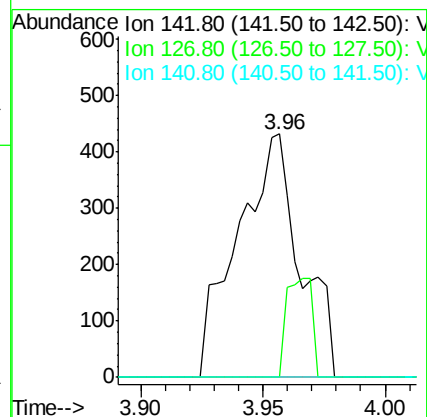
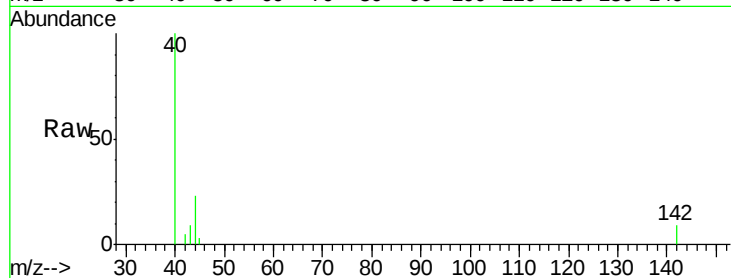
Tgt Ion:142 Resp: 769

Ion Ratio Lower Upper

142 100

127 16.9 31.9 47.9#

141 0.0 11.4 17.0#



#11

Tert butyl alcohol

Concen: 198.103 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN054126.D

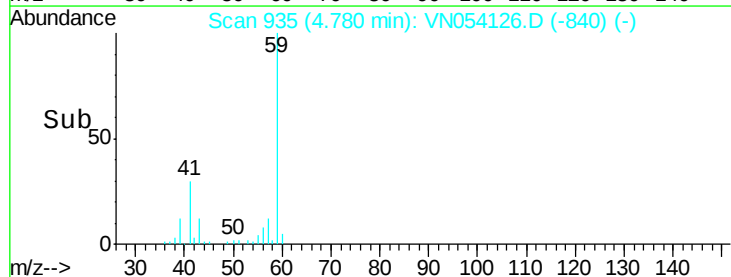
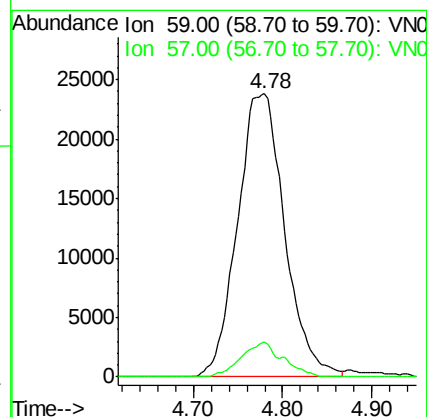
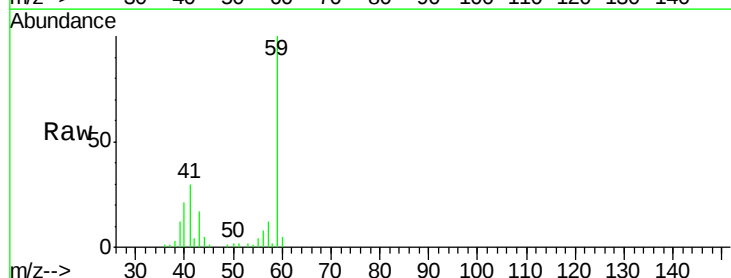
Acq: 6 Mar 2019 19:32

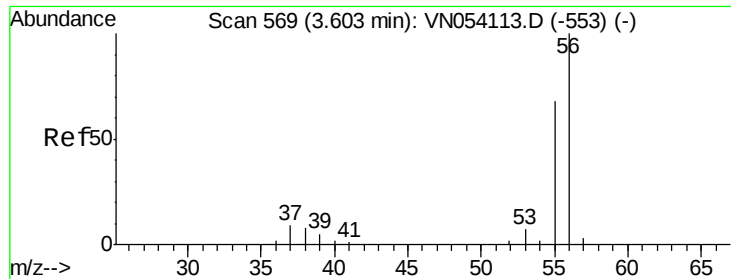
Tgt Ion: 59 Resp: 87147

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.4





#13

Acrolein

Concen: 30.687 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

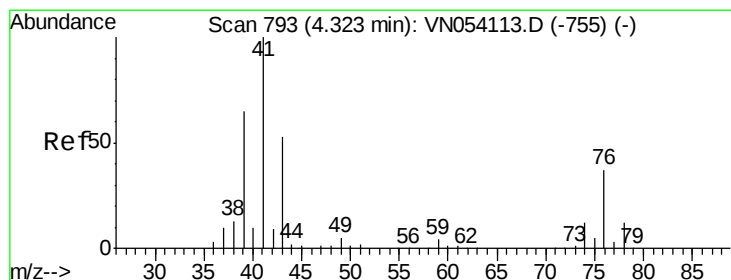
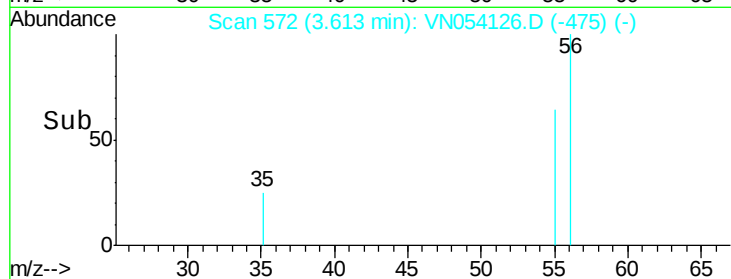
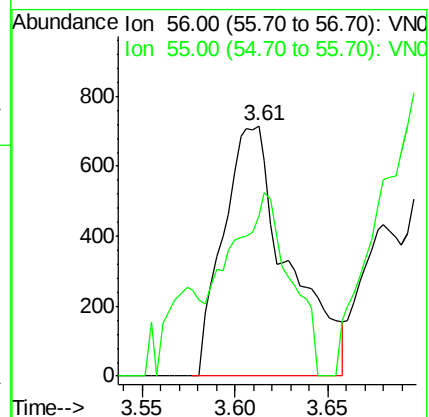
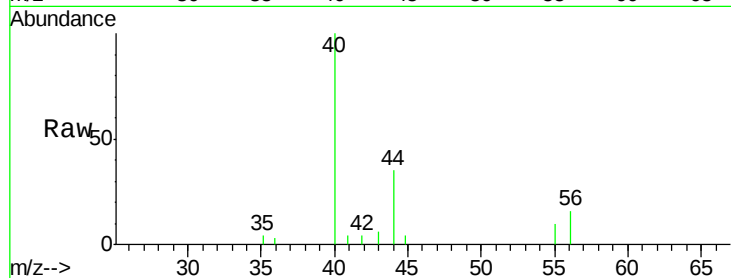
COMP-3

Tgt Ion: 56 Resp: 1741

Ion Ratio Lower Upper

56 100

55 68.8 57.1 85.7



#14

Allyl chloride

Concen: 0.892 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

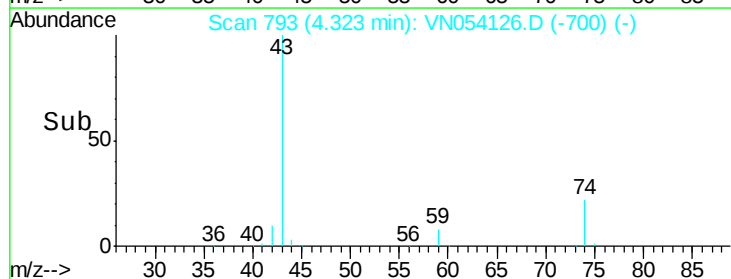
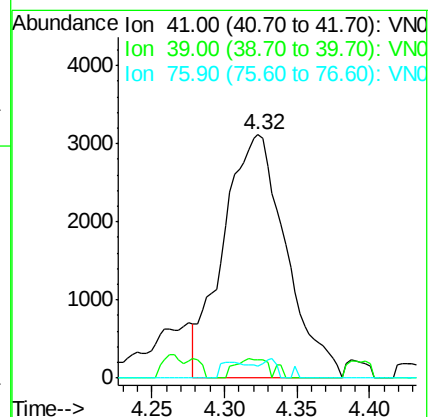
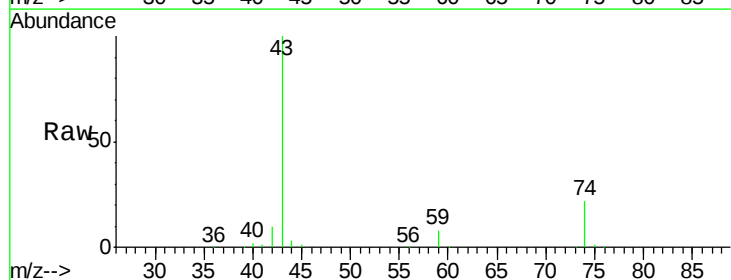
Tgt Ion: 41 Resp: 9348

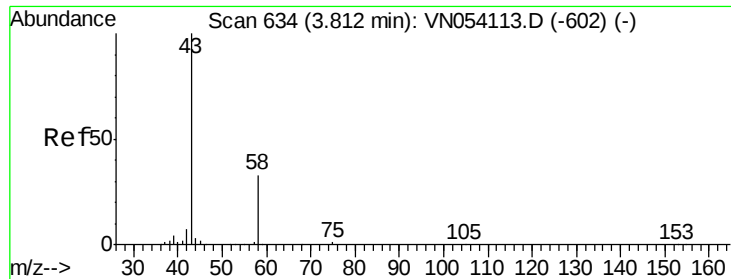
Ion Ratio Lower Upper

41 100

39 3.9 49.3 73.9#

76 0.0 26.5 39.7#





#16

Acetone

Concen: 45.723 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

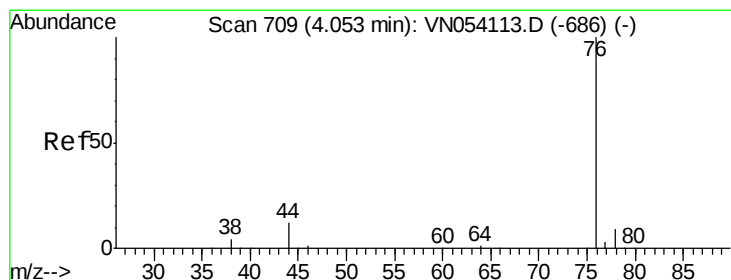
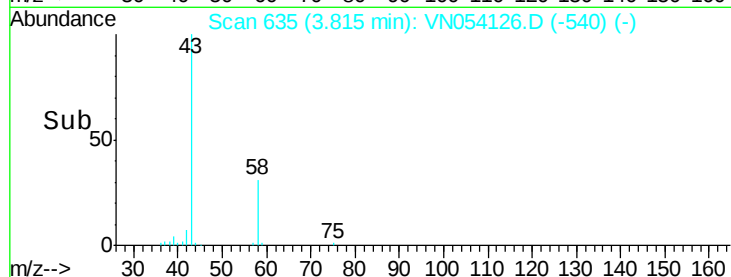
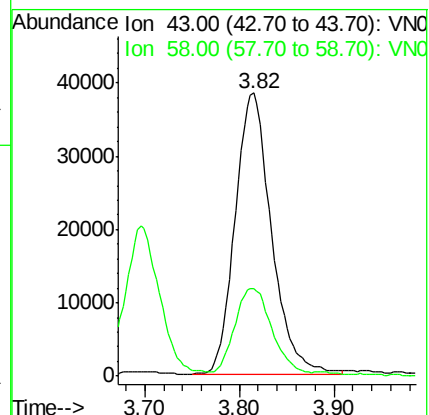
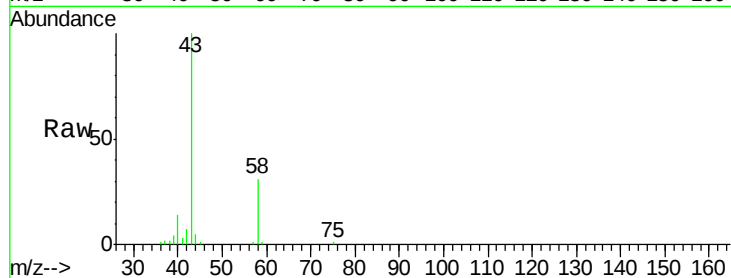
COMP-3

Tgt Ion: 43 Resp: 101827

Ion Ratio Lower Upper

43 100

58 30.4 26.5 39.7



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN054126.D

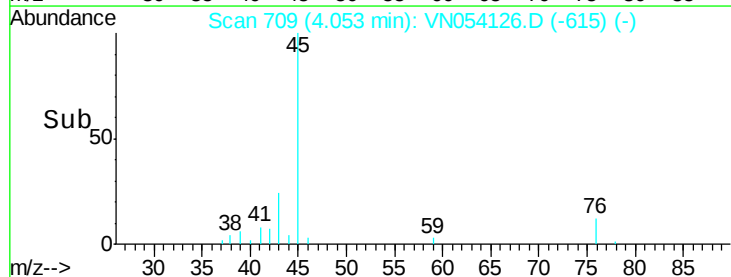
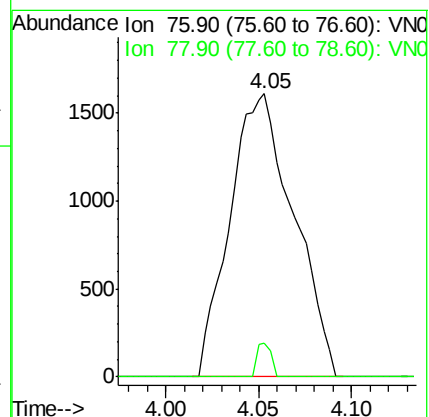
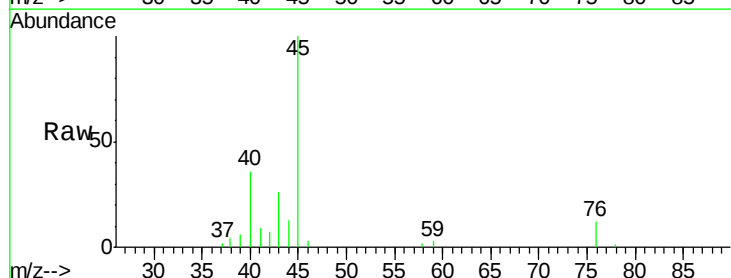
Acq: 6 Mar 2019 19:32

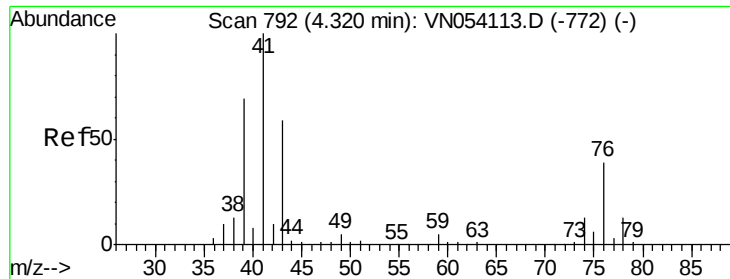
Tgt Ion: 76 Resp: 3856

Ion Ratio Lower Upper

76 100

78 12.0 7.3 10.9#

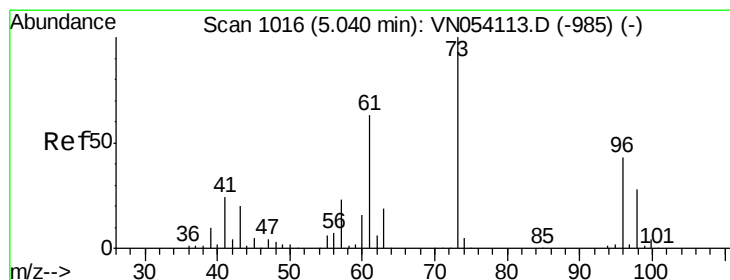
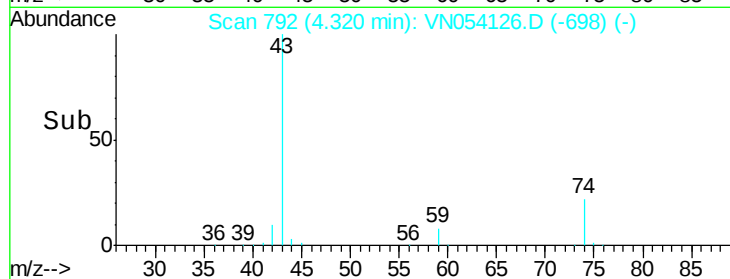
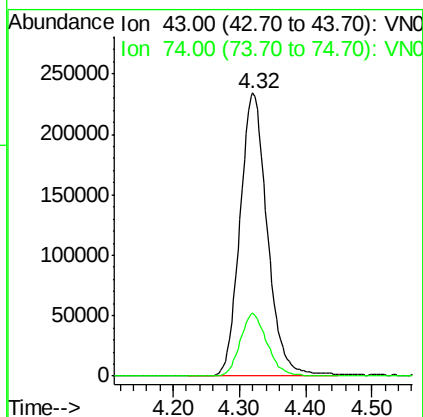
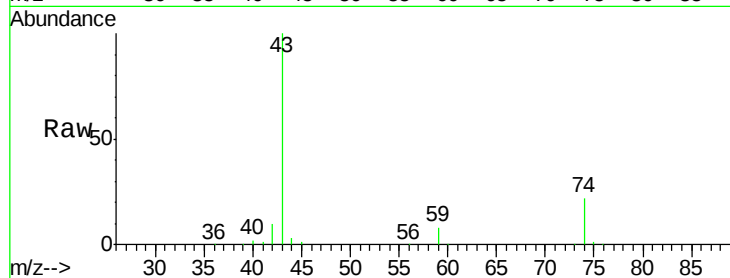




#18
Methyl Acetate
Concen: 127.217 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

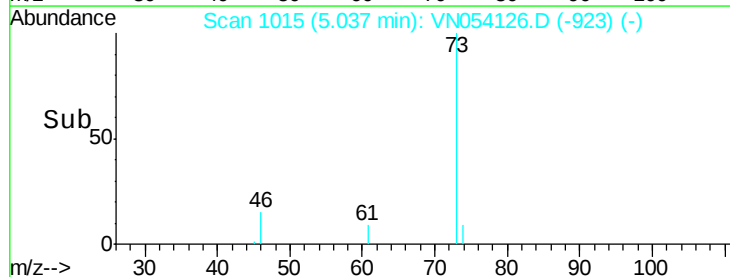
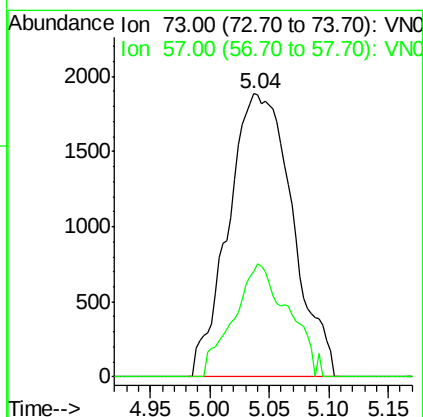
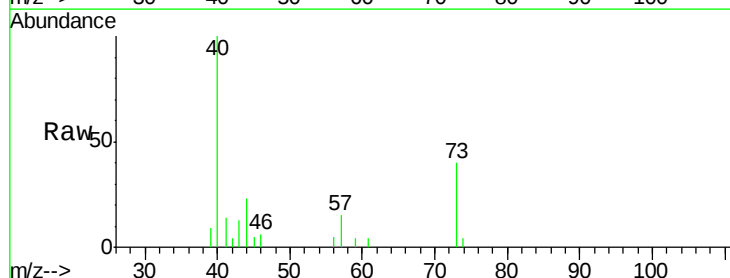
Instrument :
MSVOA_N
ClientSampled :
COMP-3

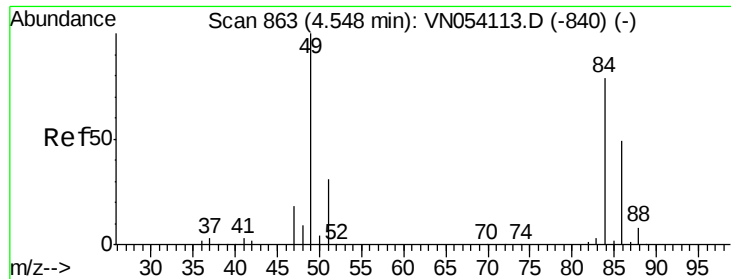
Tgt Ion: 43 Resp: 668200
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.2



#19
Methyl tert-butyl Ether
Concen: 0.430 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion: 73 Resp: 7010
Ion Ratio Lower Upper
73 100
57 37.3 18.2 27.4#

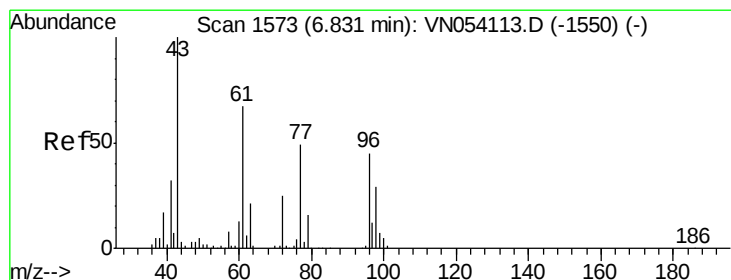
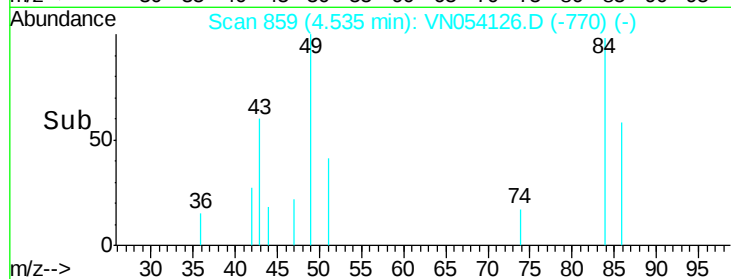
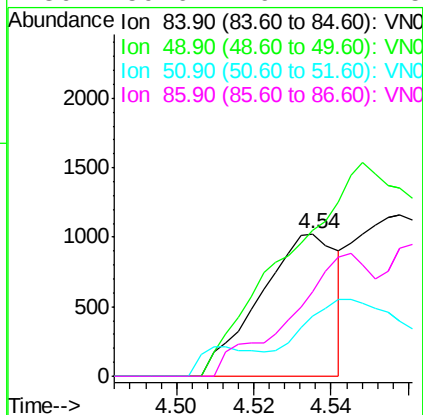
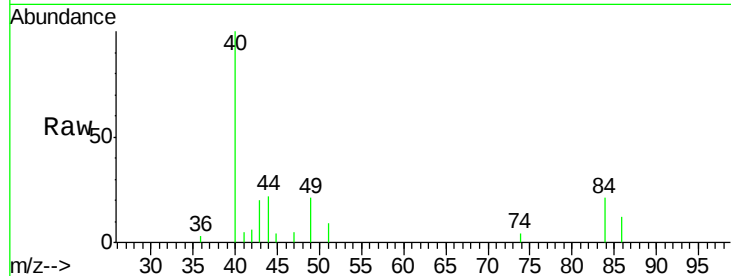




#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

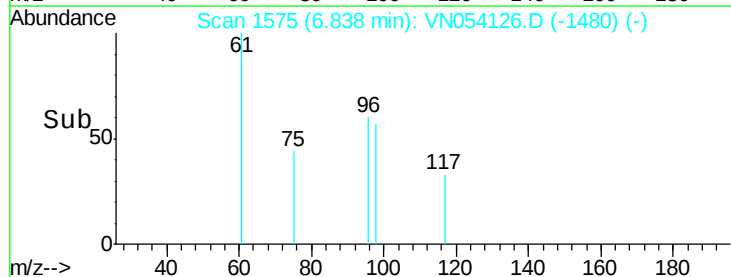
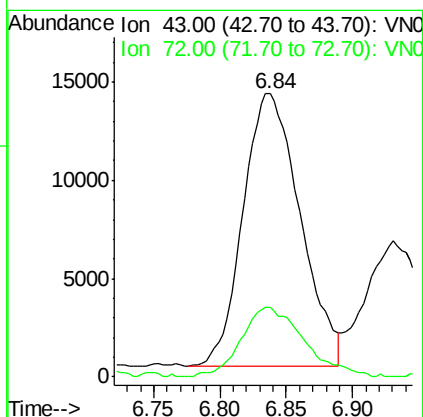
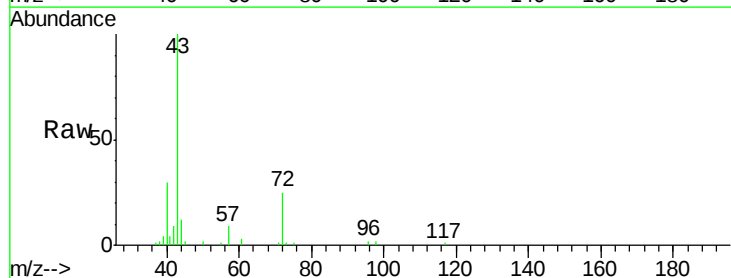
Instrument :
MSVOA_N
ClientSampled :
COMP-3

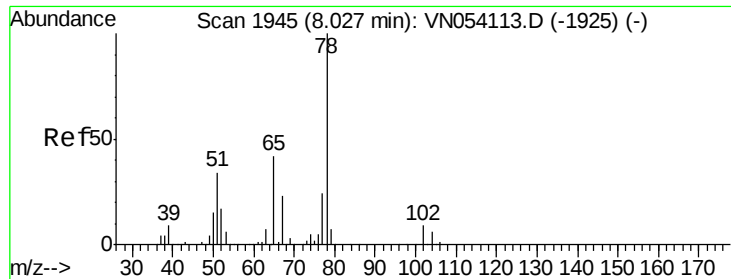
Tgt Ion: 84 Resp: 1418
Ion Ratio Lower Upper
84 100
49 102.2 101.8 152.8
51 42.0 31.1 46.7
86 59.6 49.7 74.5



#25
2-Butanone
Concen: 14.046 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion: 43 Resp: 41619
Ion Ratio Lower Upper
43 100
72 25.7 20.2 30.2

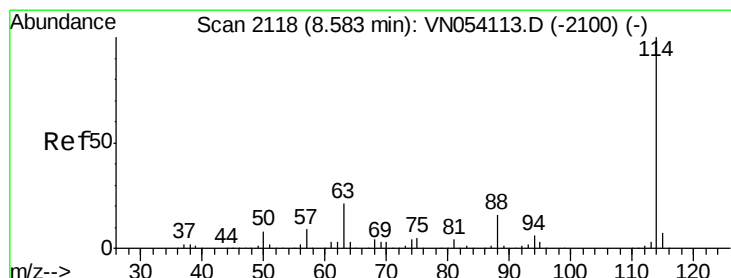
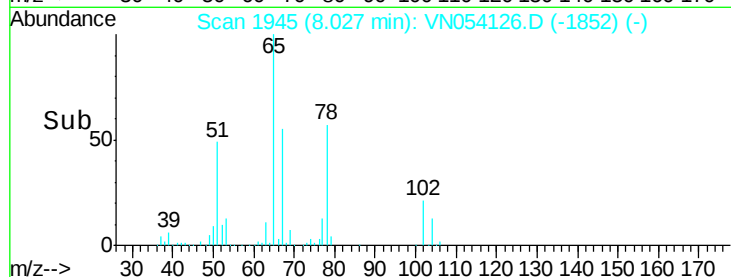
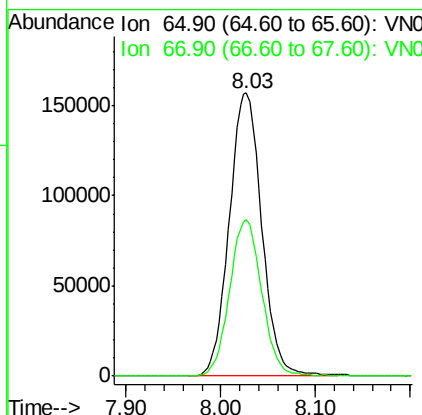
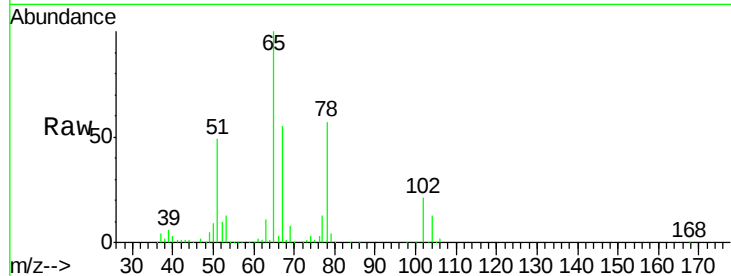




#33
 1,2-Dichloroethane-d4
 Concen: 51.875 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

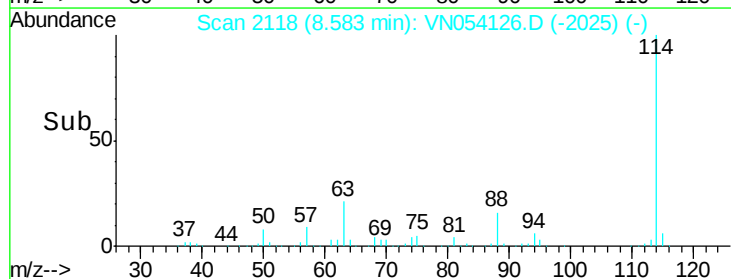
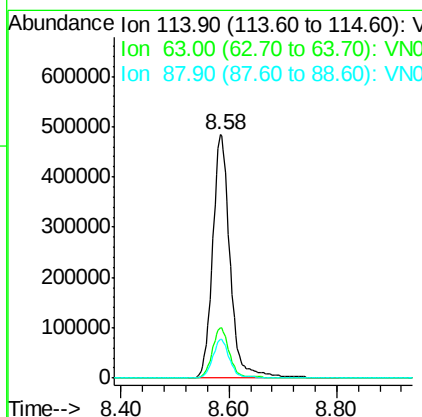
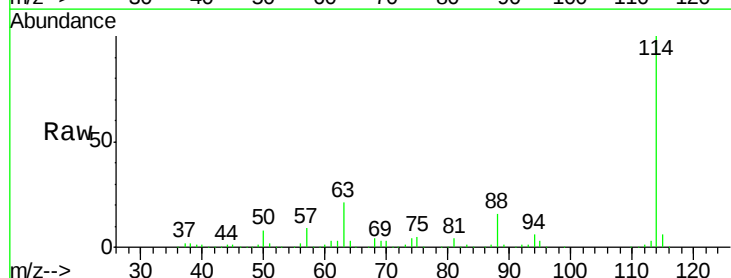
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

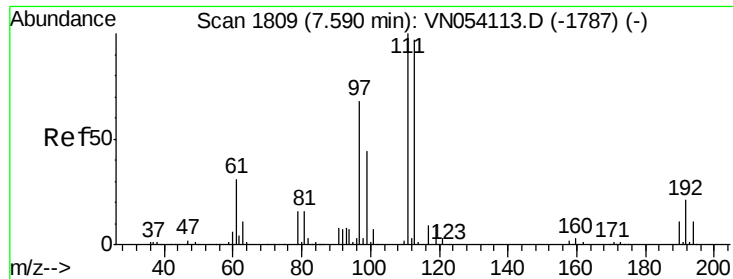
Tgt Ion: 65 Resp: 375100
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

Tgt Ion: 114 Resp: 1092267
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 16.1 0.0 31.8

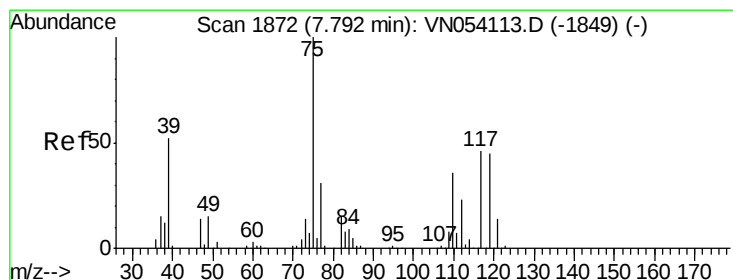
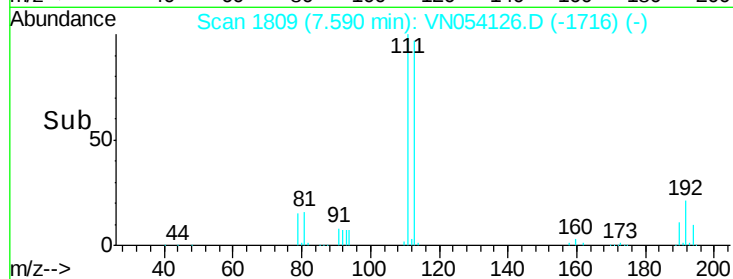
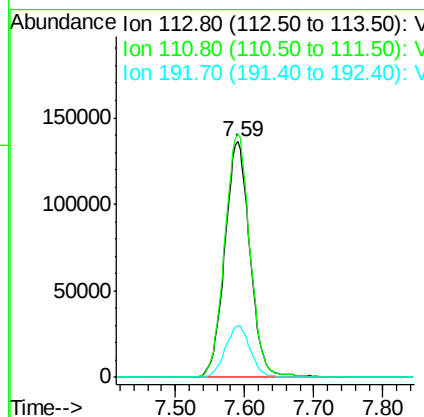
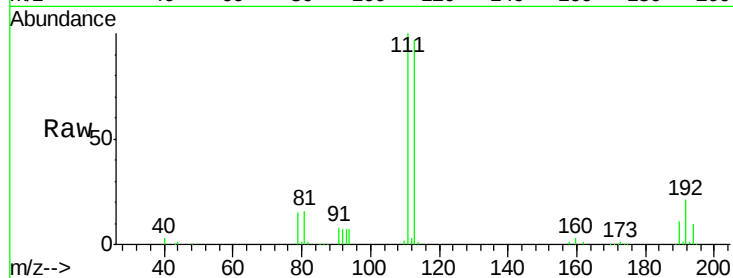




#35
 Dibromofluoromethane
 Concen: 48.648 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

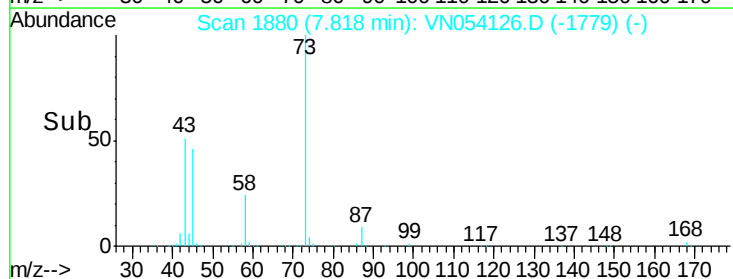
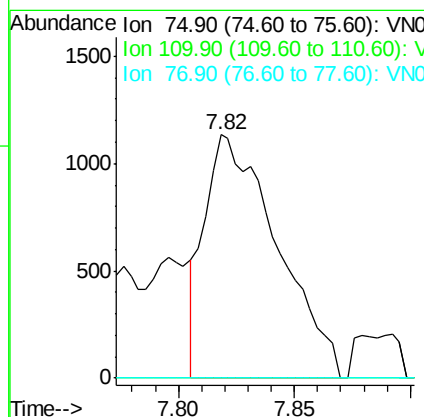
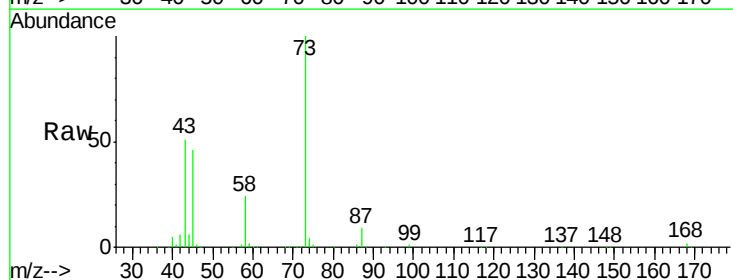
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-3

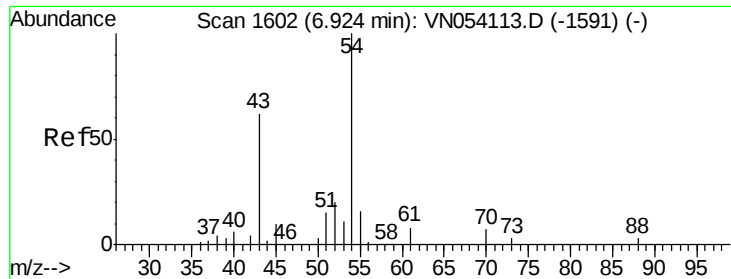
Tgt Ion:113 Resp: 345110
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.1 123.1
 192 21.7 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 0.240 ug/l
 RT: 7.82 min Scan# 1880
 Delta R.T. 0.03 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

Tgt Ion: 75 Resp: 2461
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 0.0 25.3 37.9#

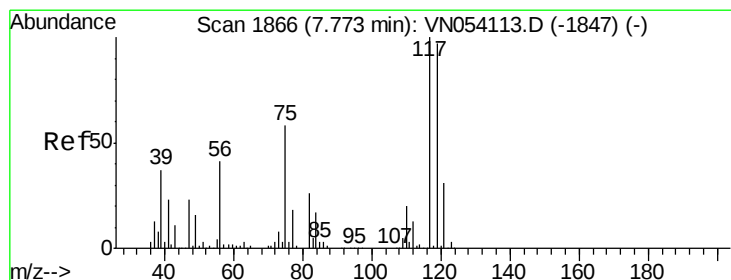
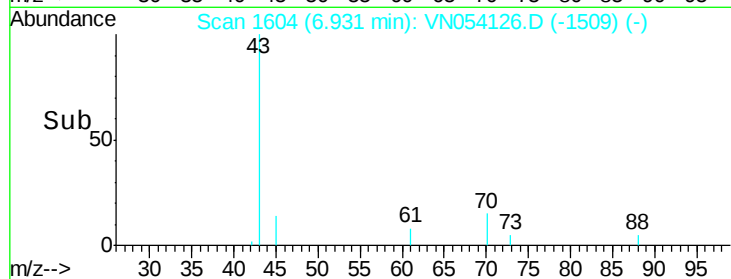
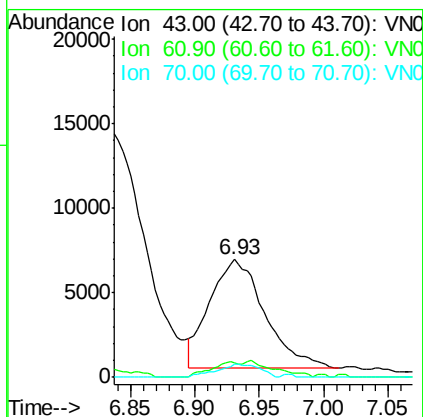
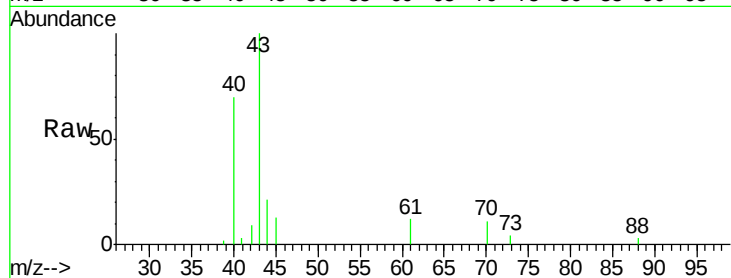




#37
Ethyl Acetate
 Concen: 2.613 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

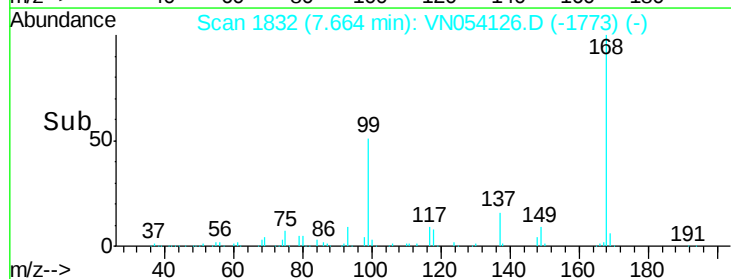
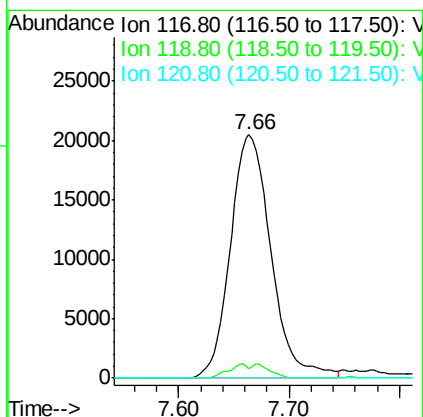
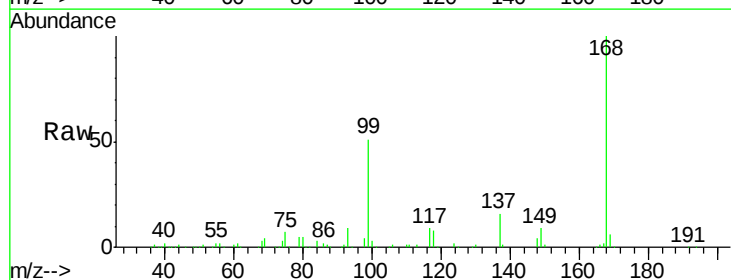
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-3

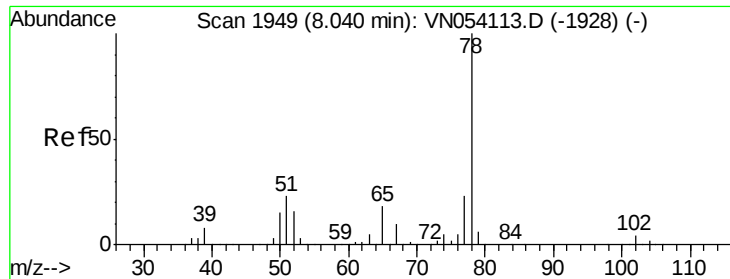
Tgt Ion: 43 Resp: 19277
 Ion Ratio Lower Upper
 43 100
 61 7.0 11.1 16.7#
 70 9.3 7.6 11.4



#38
Carbon Tetrachloride
 Concen: 5.349 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

Tgt Ion: 117 Resp: 52350
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.0 115.6#
 121 0.0 24.3 36.5#





#40

Benzene

Concen: 10.773 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

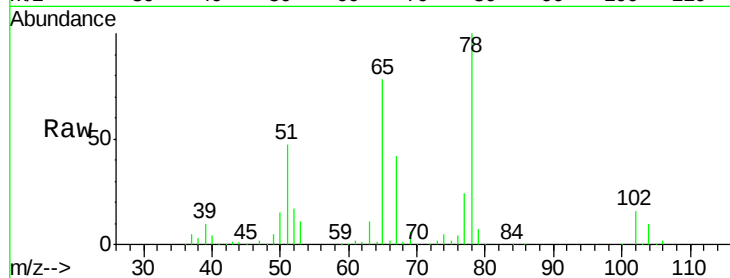
COMP-3

Tgt Ion: 78 Resp: 326752

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

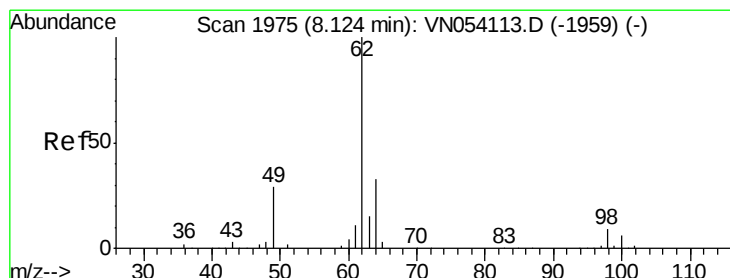
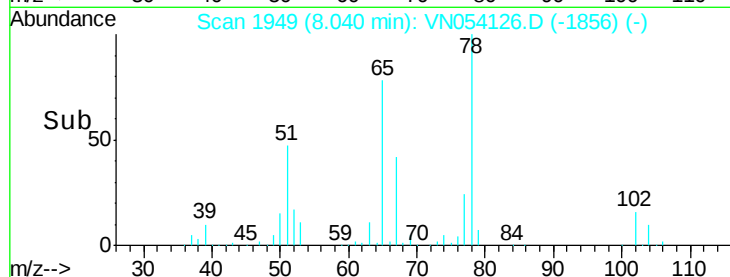
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#42

1,2-Dichloroethane

Concen: 0.304 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.09 min

Lab File: VN054126.D

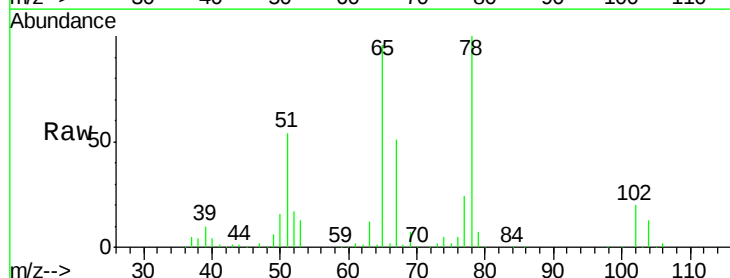
Acq: 6 Mar 2019 19:32

Tgt Ion: 62 Resp: 2919

Ion Ratio Lower Upper

62 100

98 15.3 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

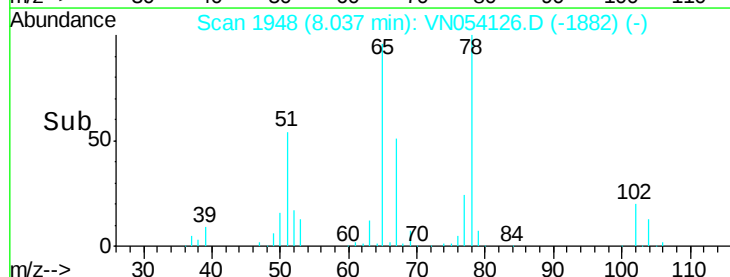
8.04

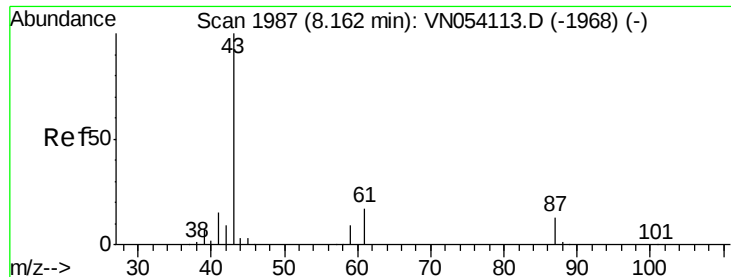
1000

500

0

Time--> 8.00 8.05 8.10





#43

Isopropyl Acetate

Concen: 3.415 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

COMP-3

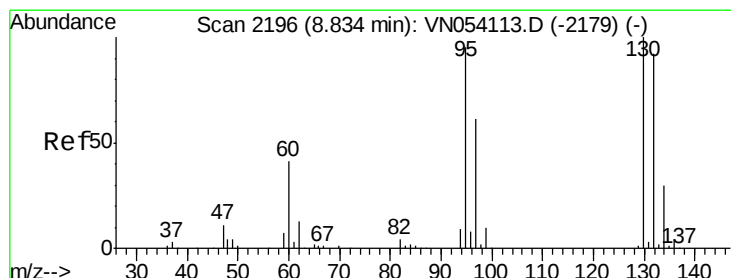
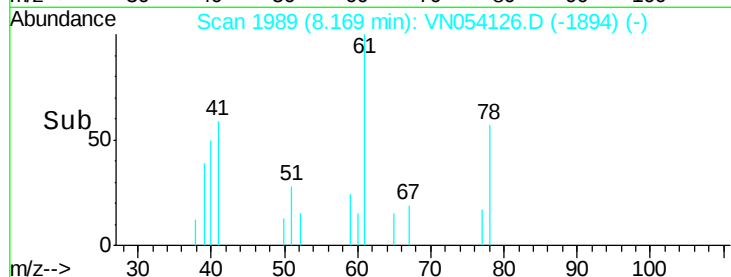
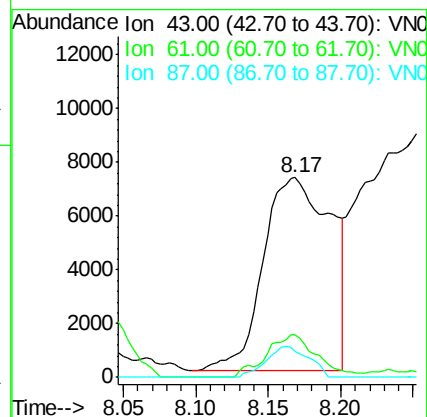
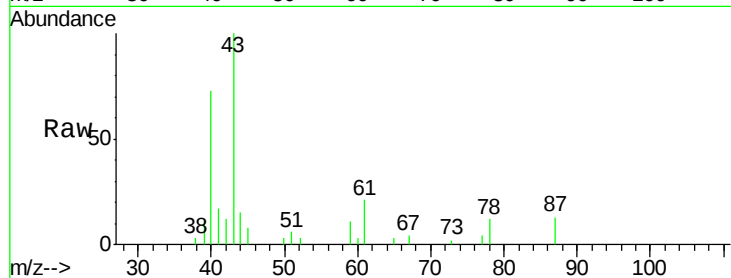
Tgt Ion: 43 Resp: 23305

Ion Ratio Lower Upper

43 100

61 16.6 22.5 33.7#

87 10.0 10.1 15.1#



#44

Trichloroethene

Concen: 0.209 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN054126.D

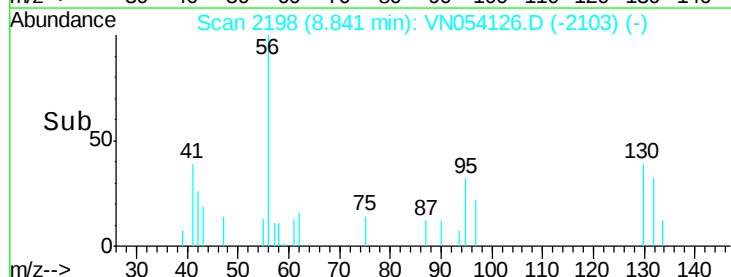
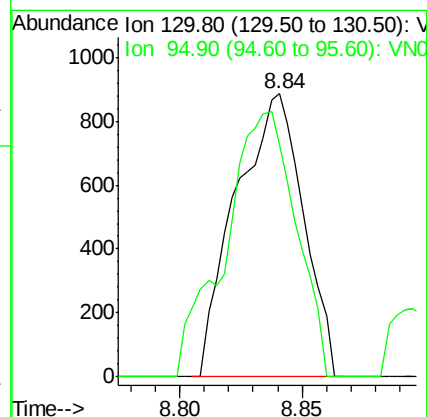
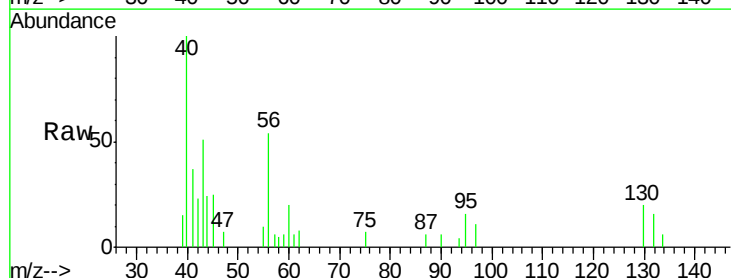
Acq: 6 Mar 2019 19:32

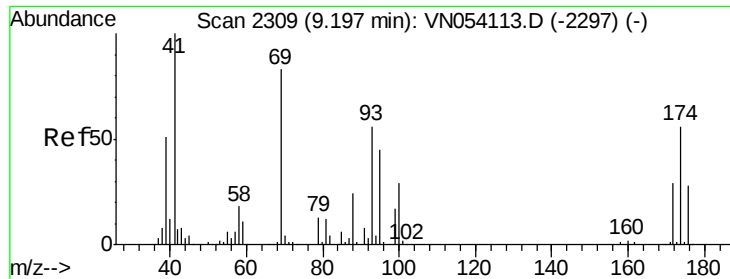
Tgt Ion: 130 Resp: 1697

Ion Ratio Lower Upper

130 100

95 82.2 0.0 189.4

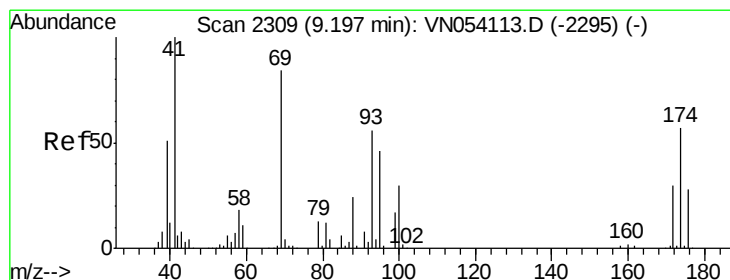
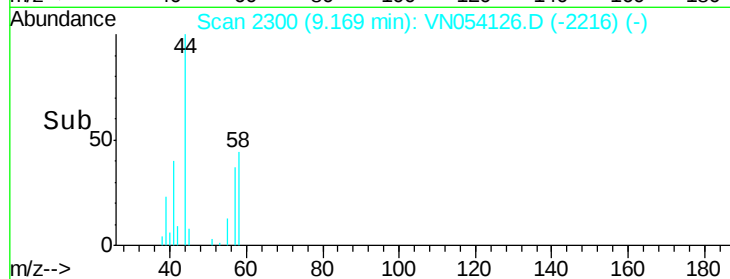
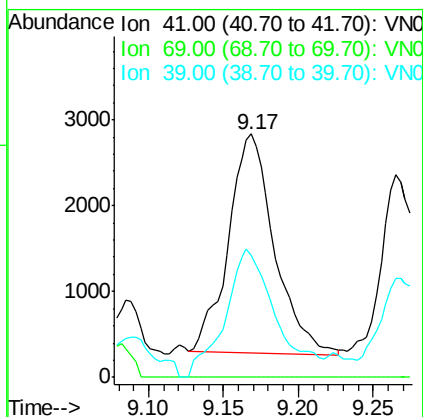
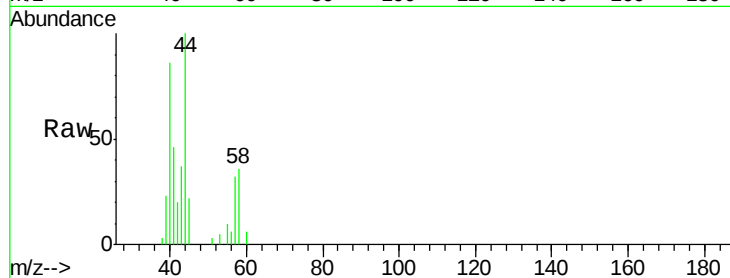




#48
Methyl methacrylate
Concen: 0.970 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

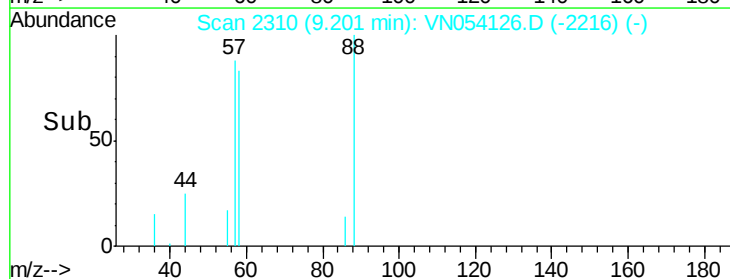
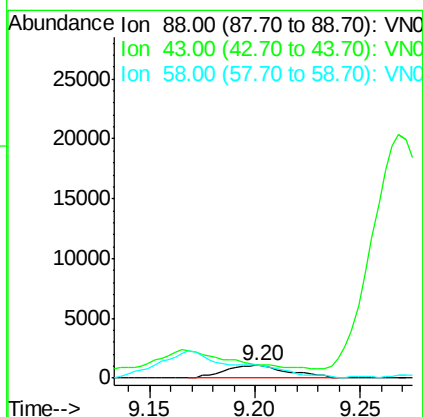
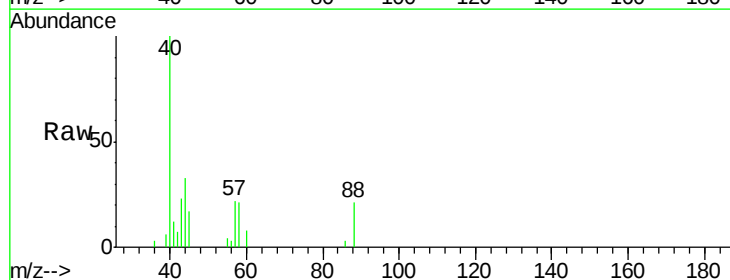
Instrument :
MSVOA_N
ClientSampled :
COMP-3

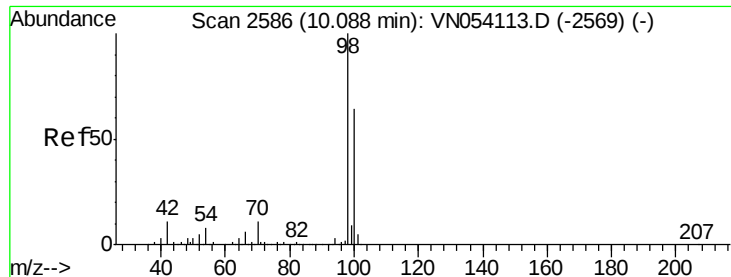
Tgt Ion: 41 Resp: 5473
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.4#
39 64.7 43.7 65.5



#49
1,4-Dioxane
Concen: 27.670 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion: 88 Resp: 2244
Ion Ratio Lower Upper
88 100
43 0.0 25.5 38.3#
58 0.0 58.3 87.5#





#50

Toluene-d8

Concen: 51.266 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

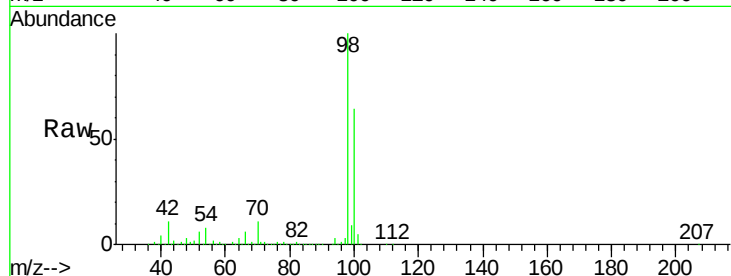
COMP-3

Tgt Ion: 98 Resp: 1381064

Ion Ratio Lower Upper

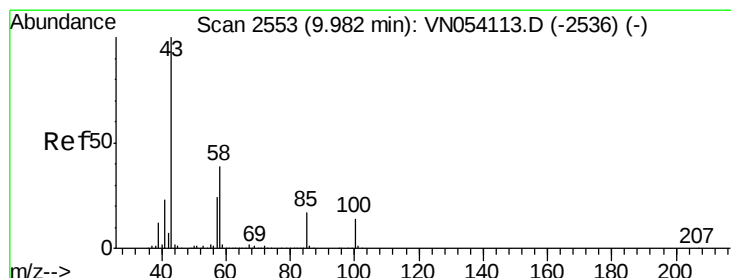
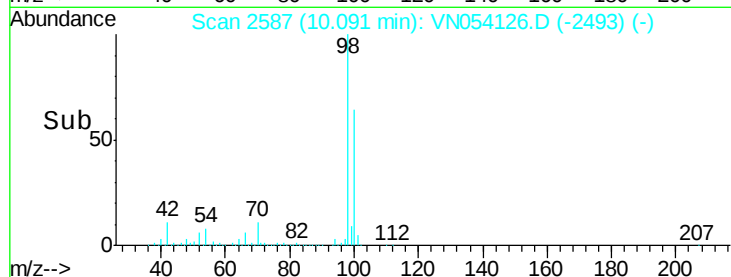
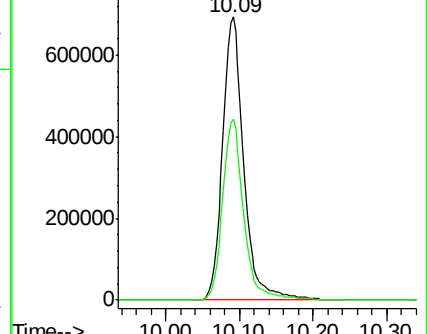
98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN054113.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054113.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.622 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN054126.D

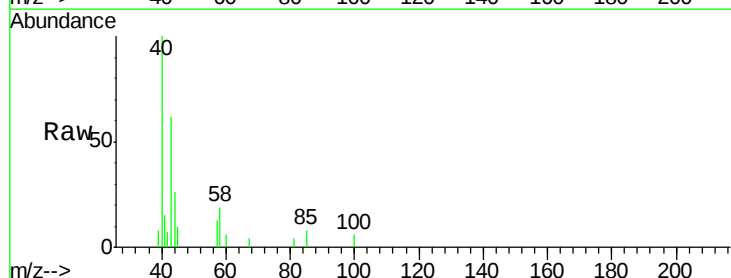
Acq: 6 Mar 2019 19:32

Tgt Ion: 43 Resp: 4071

Ion Ratio Lower Upper

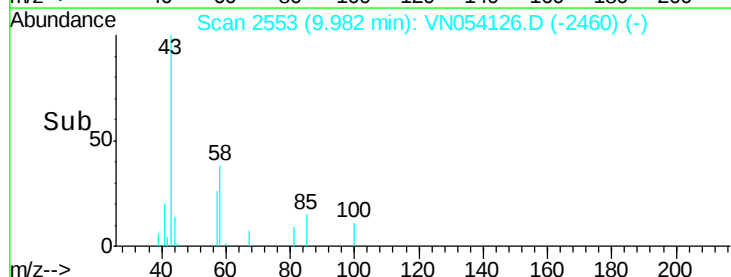
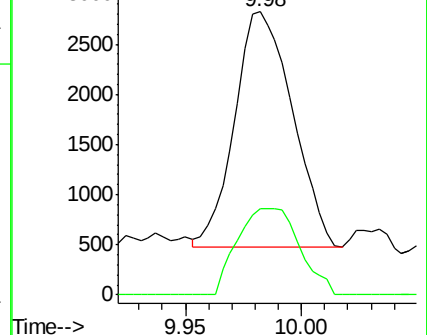
43 100

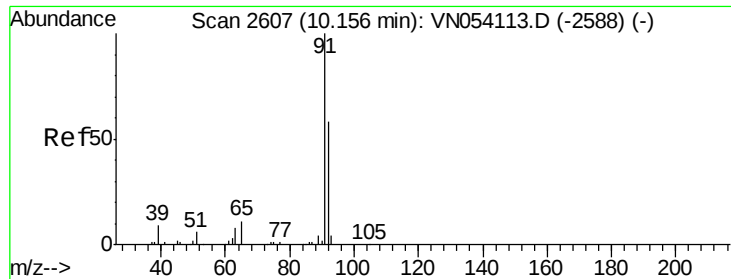
58 39.4 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN054113.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN054113.D (-2536) (-)





#52

Toluene

Concen: 57.973 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

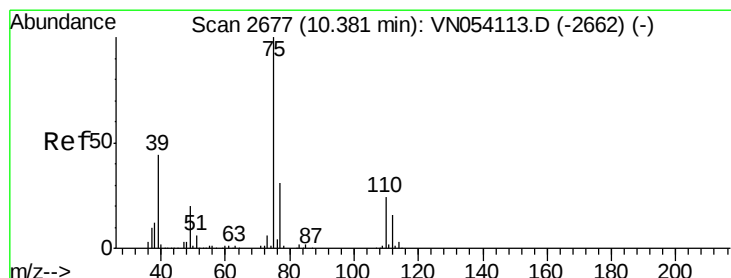
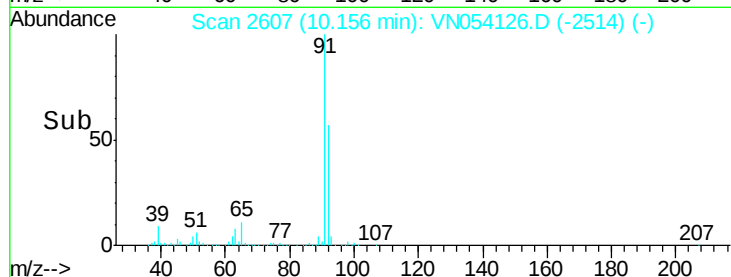
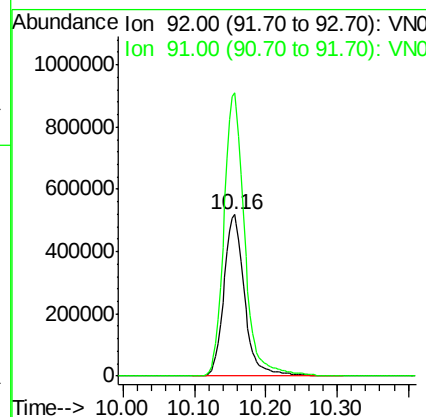
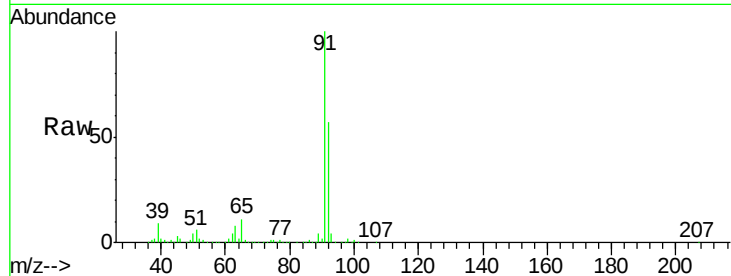
COMP-3

Tgt Ion: 92 Resp: 1041766

Ion Ratio Lower Upper

92 100

91 175.5 139.0 208.6



#53

t-1,3-Dichloropropene

Concen: 1.207 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN054126.D

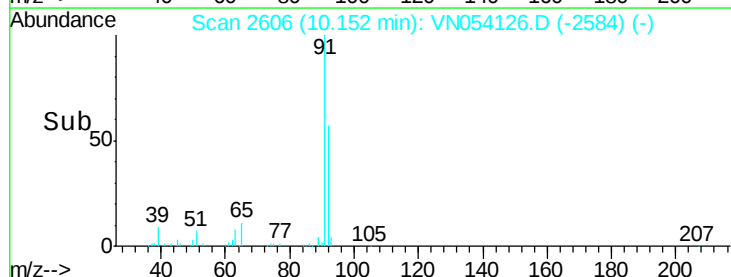
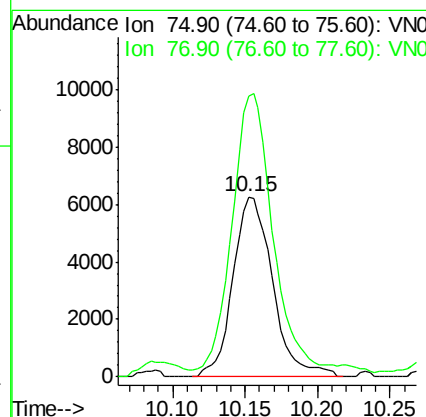
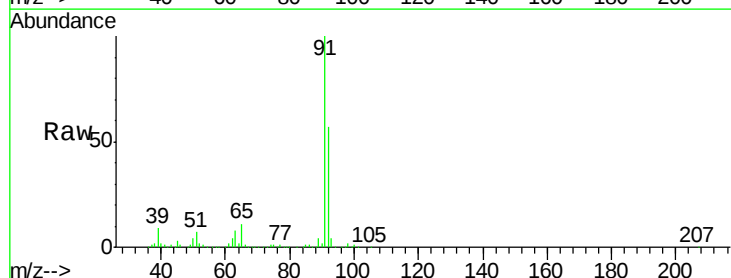
Acq: 6 Mar 2019 19:32

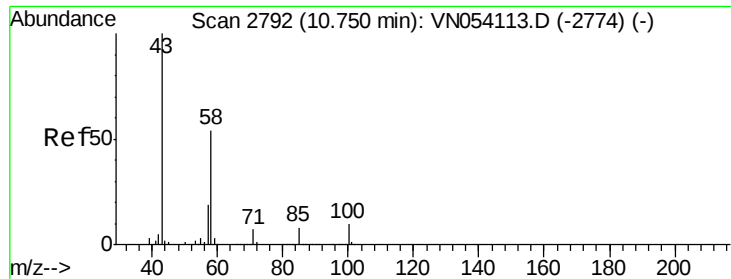
Tgt Ion: 75 Resp: 11898

Ion Ratio Lower Upper

75 100

77 152.1 24.9 37.3#

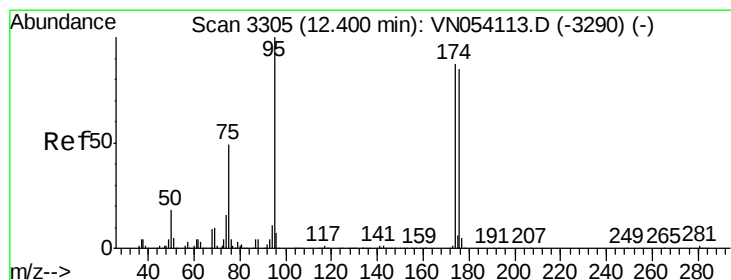
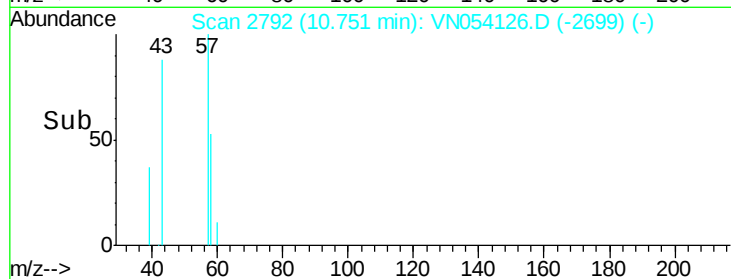
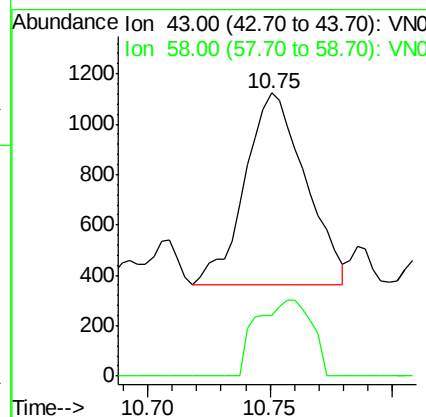
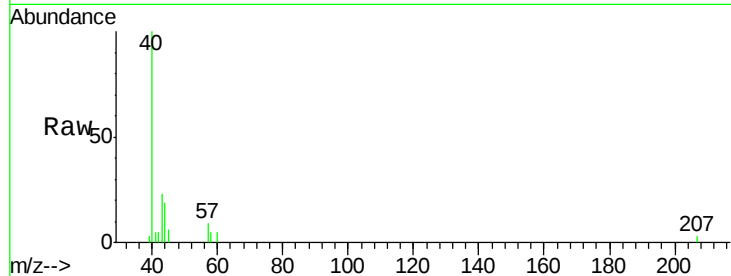




#59
2-Hexanone
Concen: 0.301 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

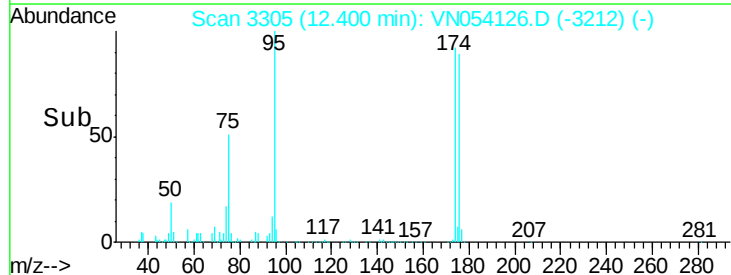
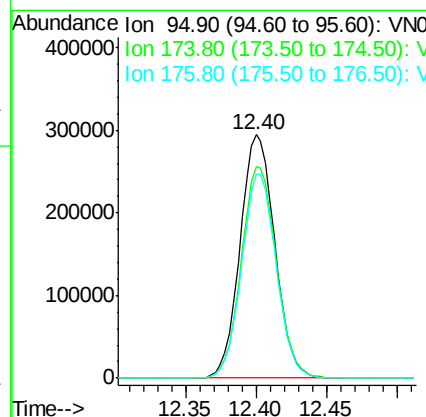
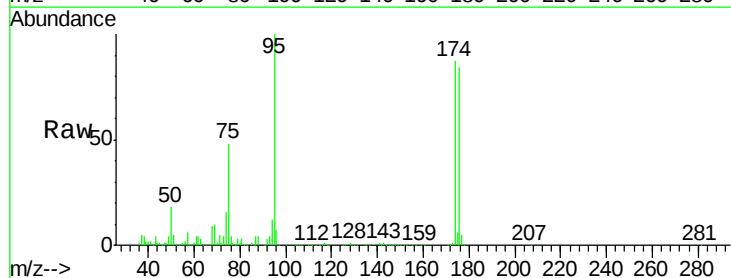
Instrument :
MSVOA_N
ClientSampled :
COMP-3

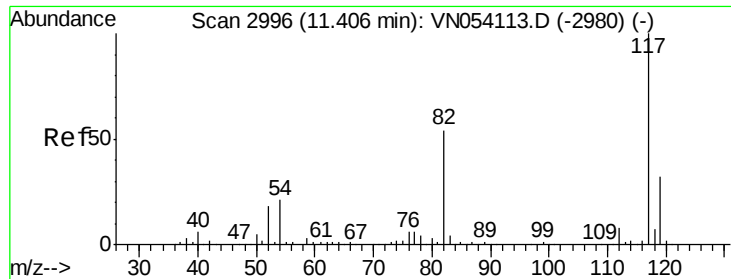
Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
58 36.3 27.0 81.0



#62
4-Bromofluorobenzene
Concen: 57.966 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion: 95 Resp: 508400
Ion Ratio Lower Upper
95 100
174 87.8 0.0 173.2
176 83.9 0.0 168.8

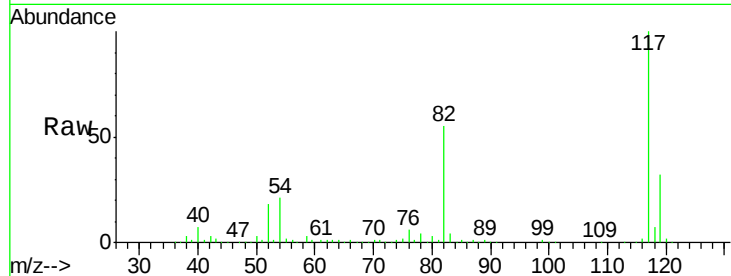




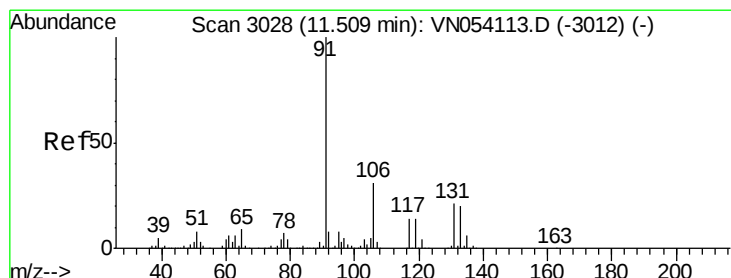
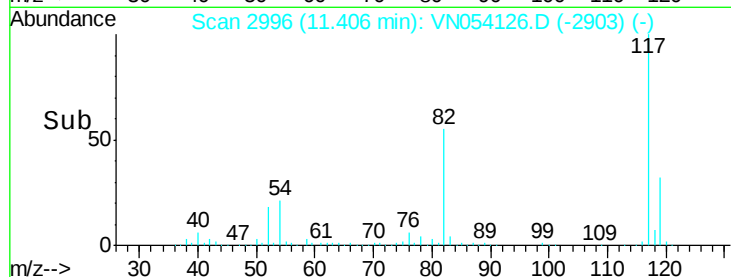
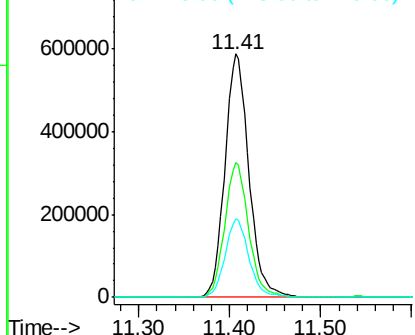
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
COMP-3

Tgt Ion: 117 Resp: 1075634
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.2
119 32.1 26.0 39.0

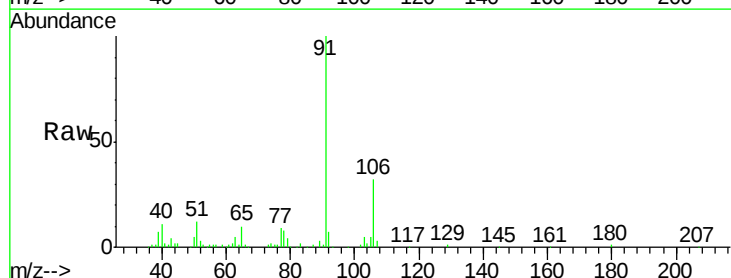


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

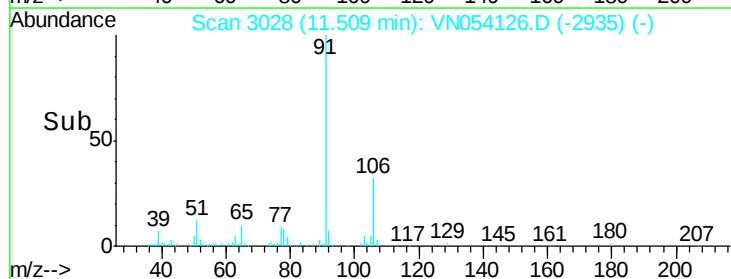
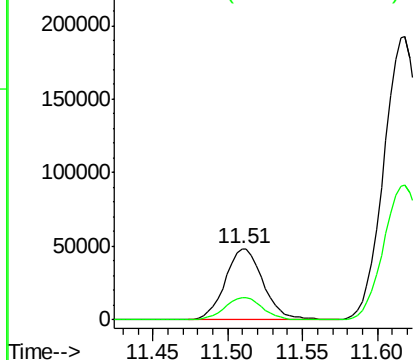


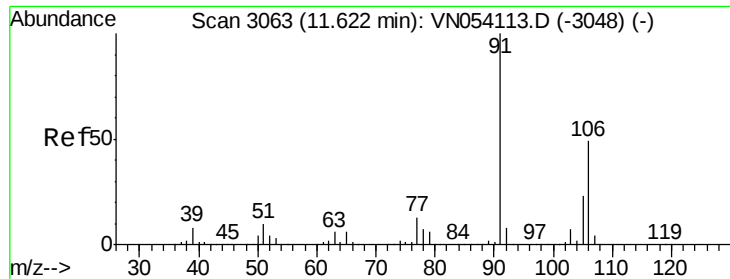
#67
Ethyl Benzene
Concen: 2.266 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion: 91 Resp: 84870
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8



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

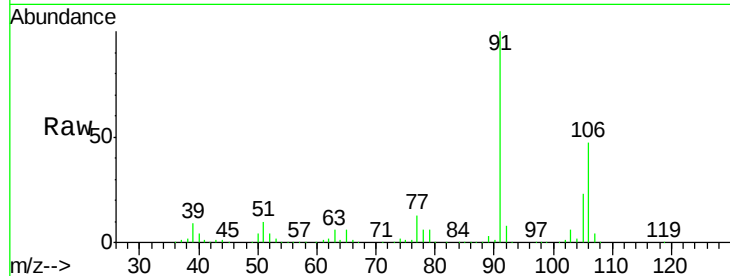




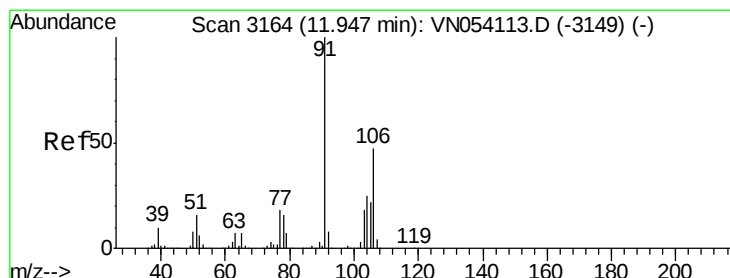
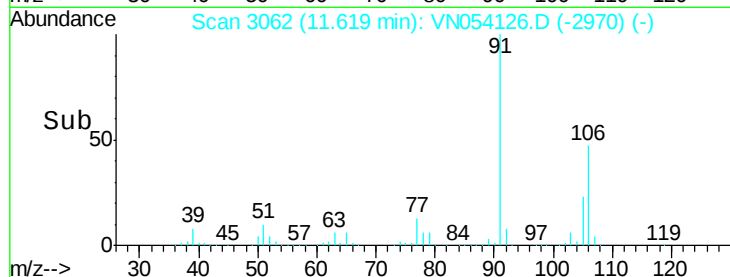
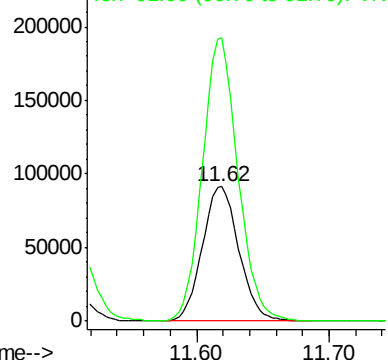
#68
m/p-Xylenes
Concen: 12.403 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Instrument :
MSVOA_N
ClientSampled :
COMP-3

Tgt Ion:106 Resp: 175326
Ion Ratio Lower Upper
106 100
91 204.7 163.2 244.8

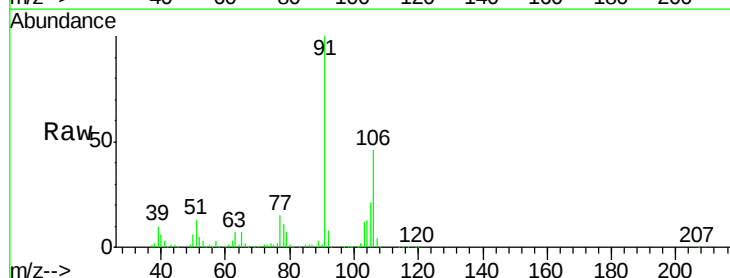


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

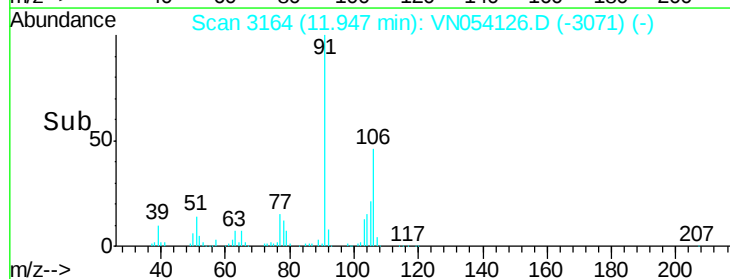
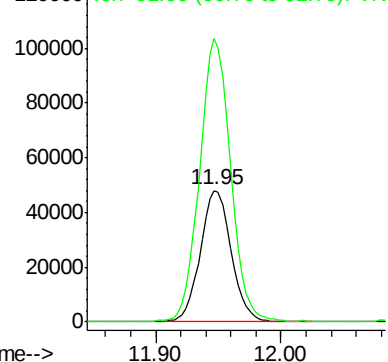


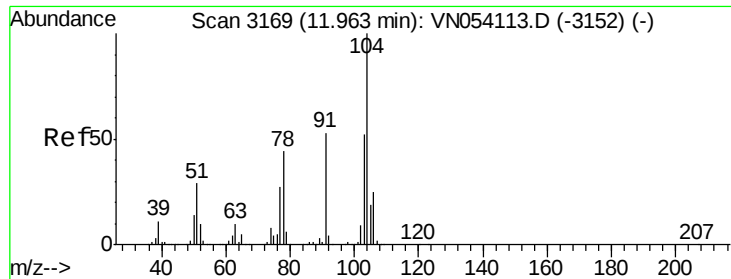
#69
o-Xylene
Concen: 6.065 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion:106 Resp: 82499
Ion Ratio Lower Upper
106 100
91 214.1 107.1 321.3



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

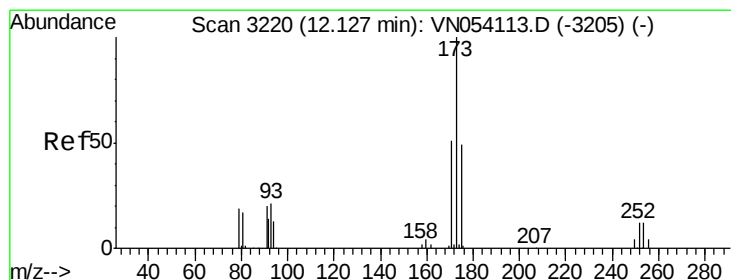
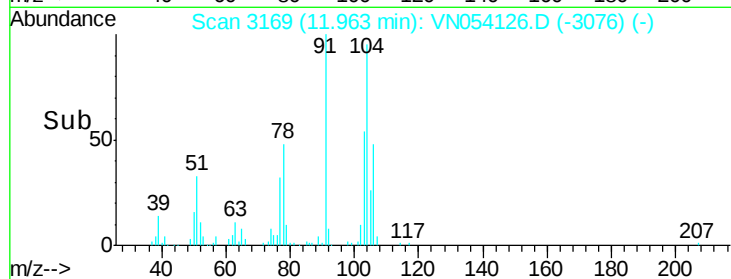
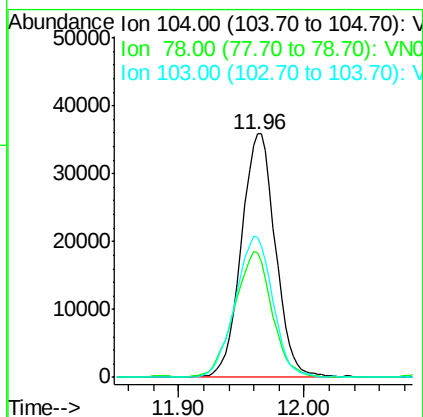
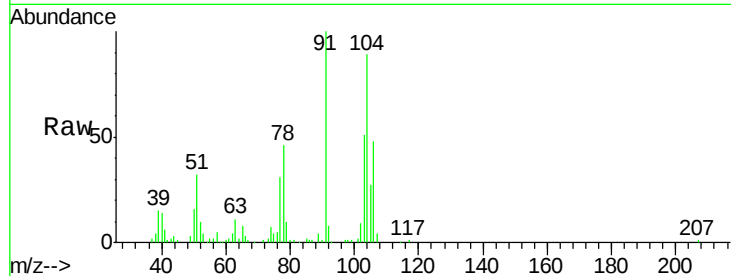




#70
Styrene
Concen: 3.154 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

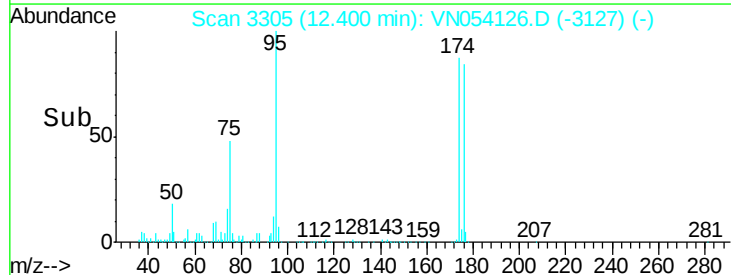
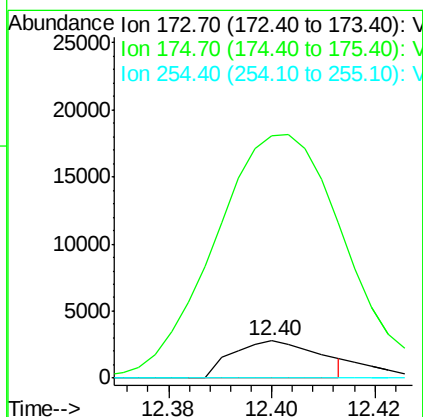
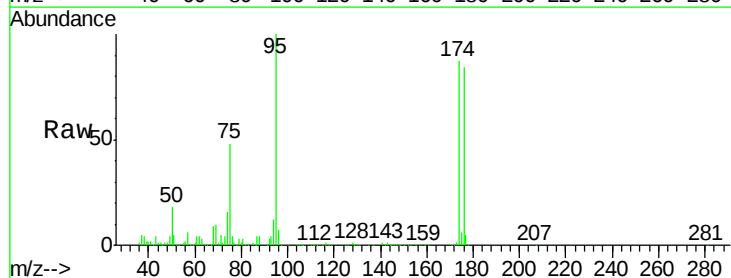
Instrument :
MSVOA_N
ClientSampled :
COMP-3

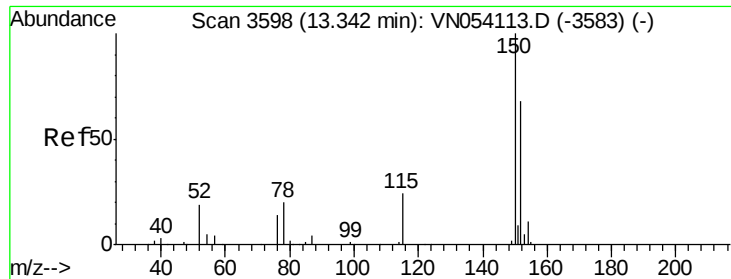
Tgt Ion:104 Resp: 68090
Ion Ratio Lower Upper
104 100
78 56.8 39.4 59.0
103 63.2 44.7 67.1



#71
Bromoform
Concen: 0.587 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054126.D
Acq: 6 Mar 2019 19:32

Tgt Ion:173 Resp: 3237
Ion Ratio Lower Upper
173 100
175 858.3 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

COMP-3

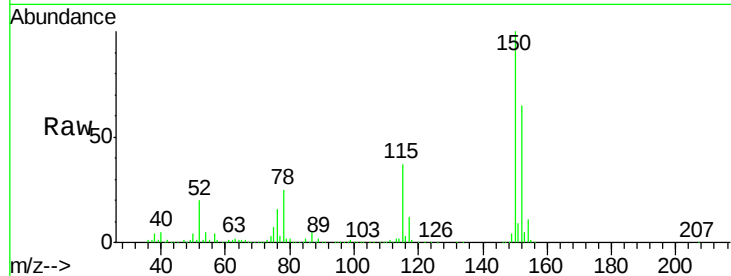
Tgt Ion:152 Resp: 449222

Ion Ratio Lower Upper

152 100

115 57.2 28.5 85.6

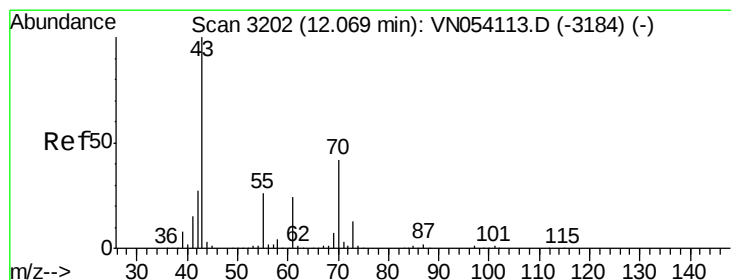
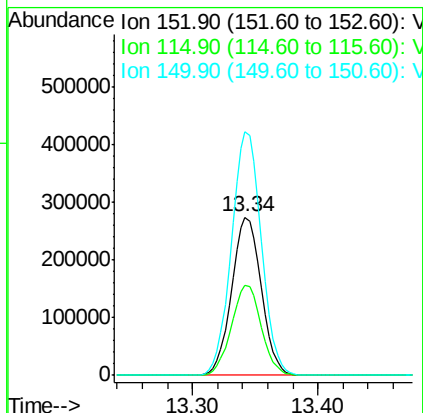
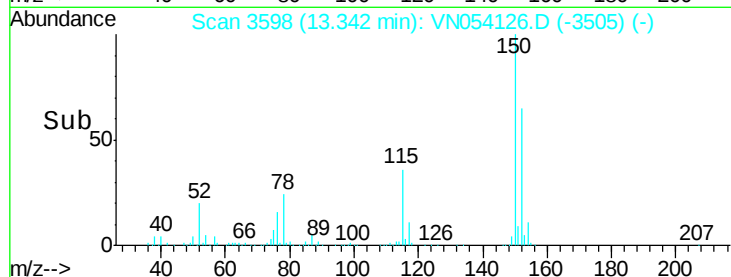
150 155.1 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.331 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. 0.03 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Tgt Ion: 43 Resp: 3138

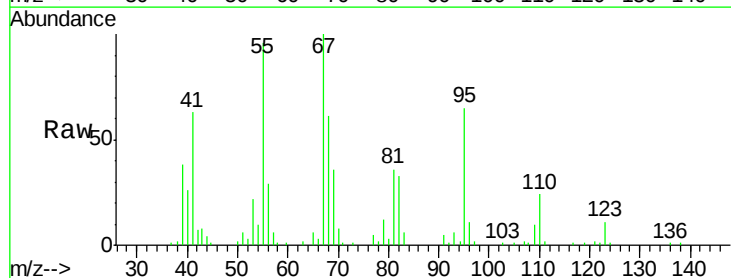
Ion Ratio Lower Upper

43 100

70 126.4 33.6 50.4#

55 1525.5 20.6 31.0#

61 0.0 19.4 29.2#

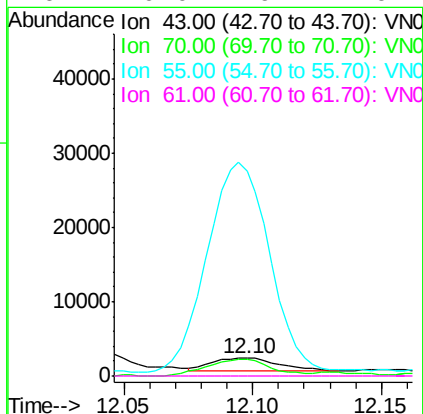
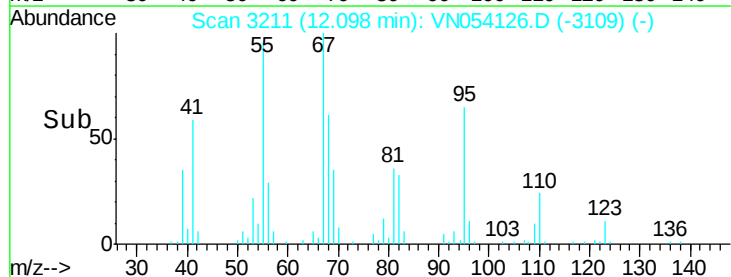


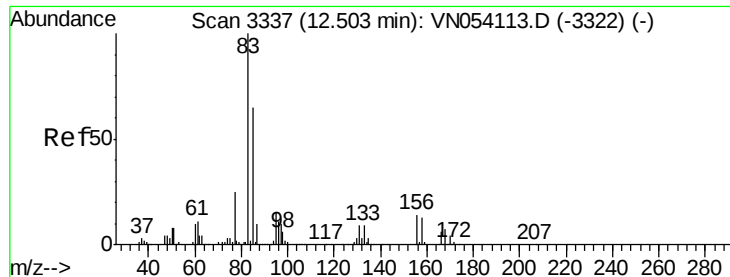
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

COMP-3

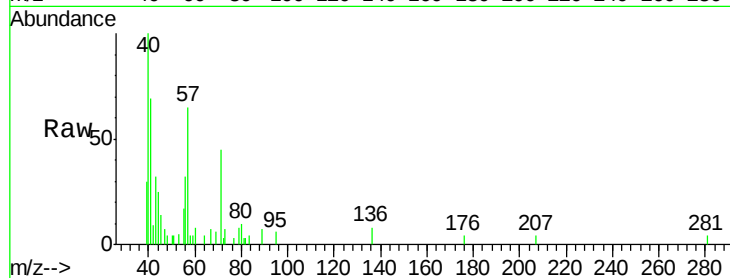
Tgt Ion: 83 Resp: 240

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

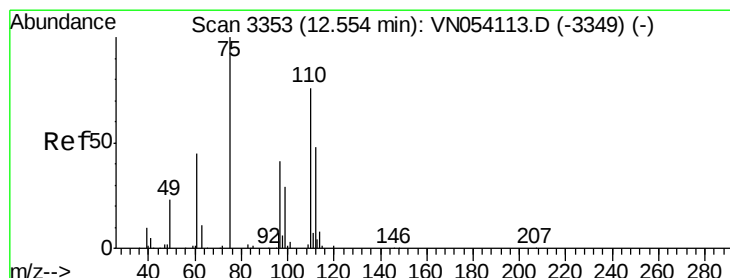
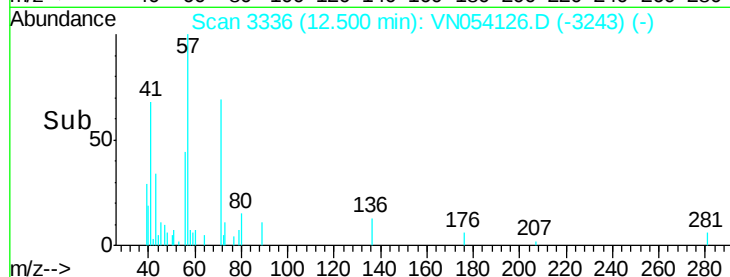
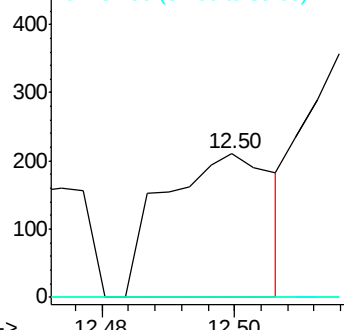
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 32.170 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054126.D

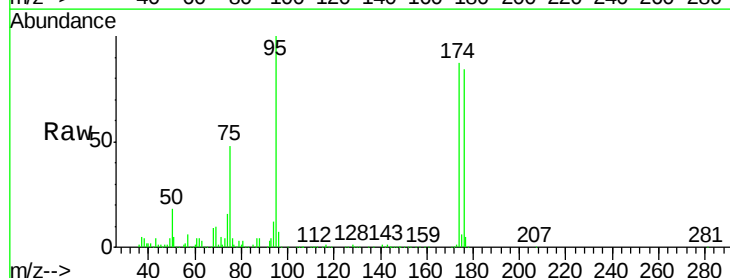
Acq: 6 Mar 2019 19:32

Tgt Ion: 75 Resp: 246286

Ion Ratio Lower Upper

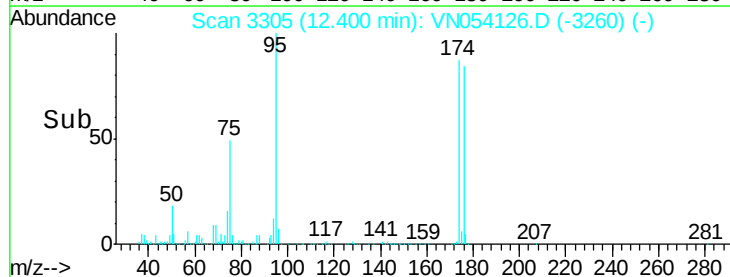
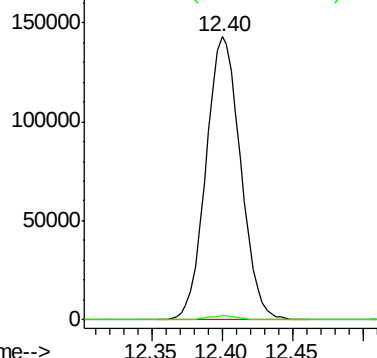
75 100

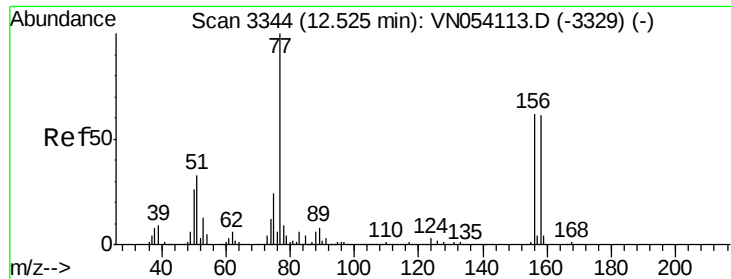
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

COMP-3

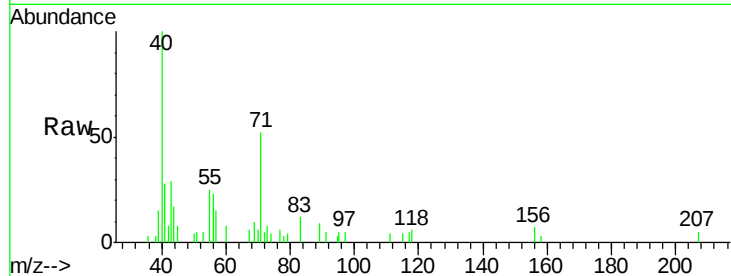
Tgt Ion:156 Resp: 470

Ion Ratio Lower Upper

156 100

77 82.3 93.6 280.8#

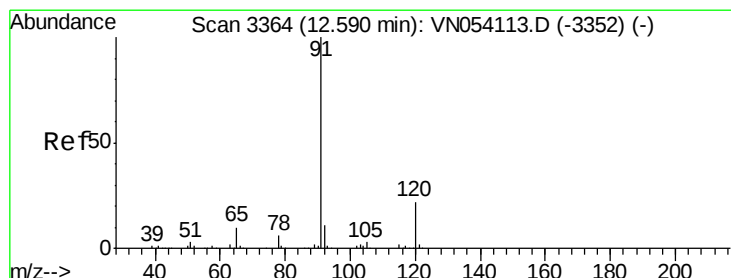
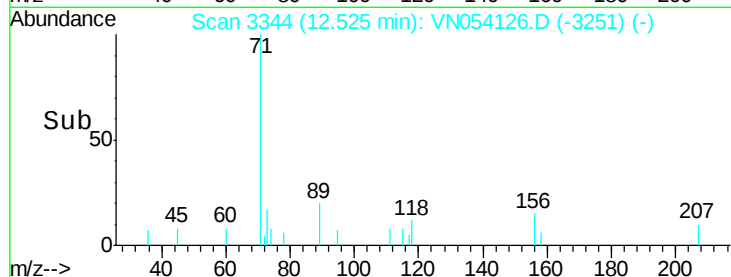
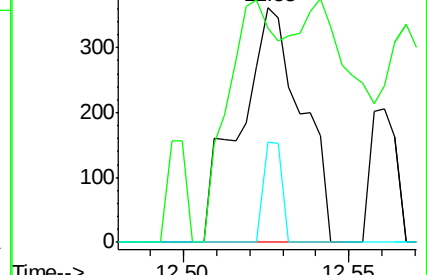
158 12.6 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.366 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054126.D

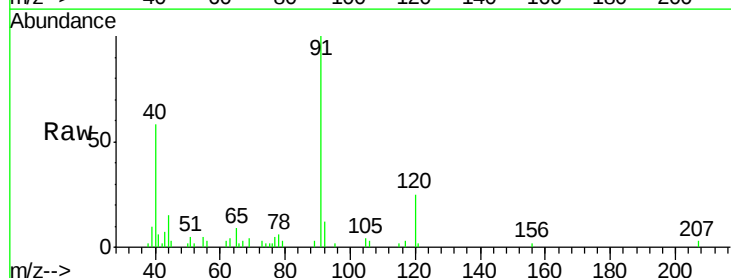
Acq: 6 Mar 2019 19:32

Tgt Ion: 91 Resp: 14740

Ion Ratio Lower Upper

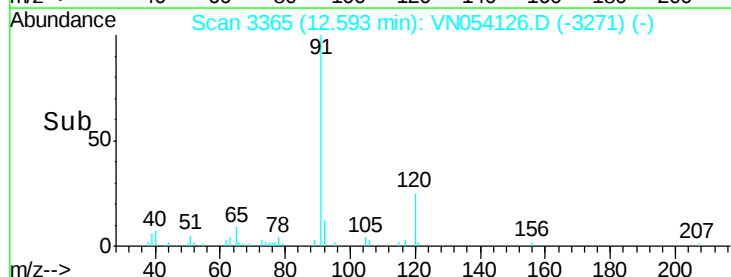
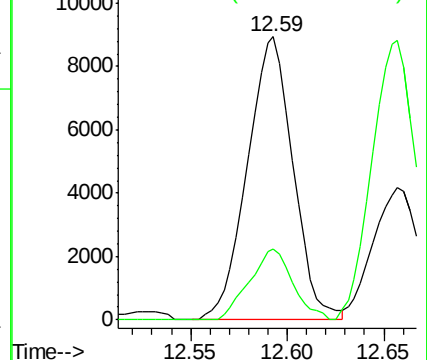
91 100

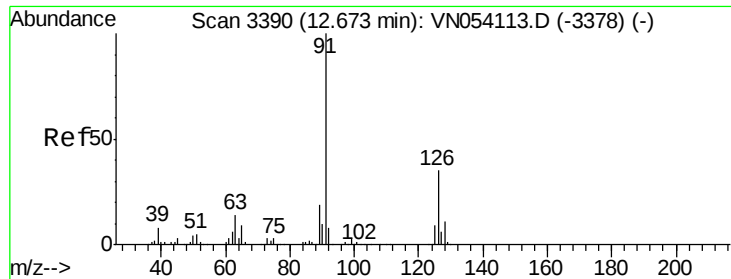
120 23.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.377 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

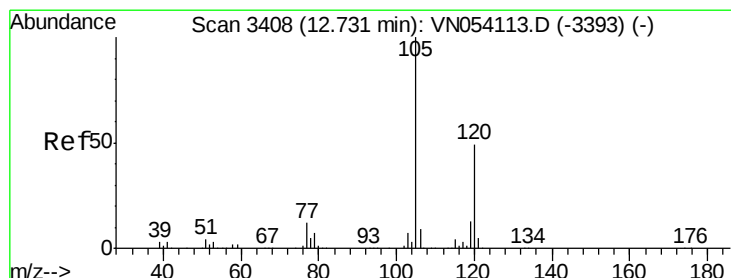
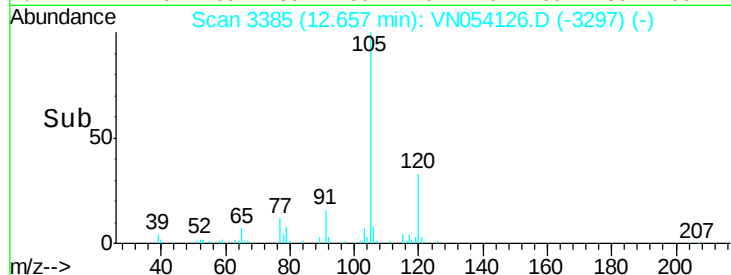
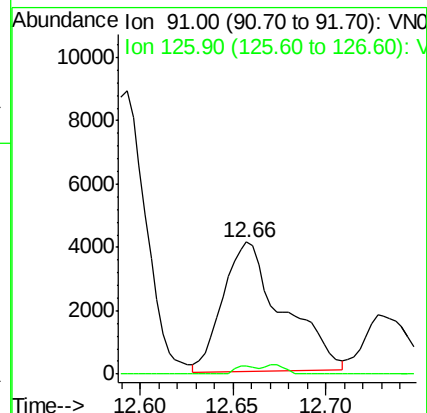
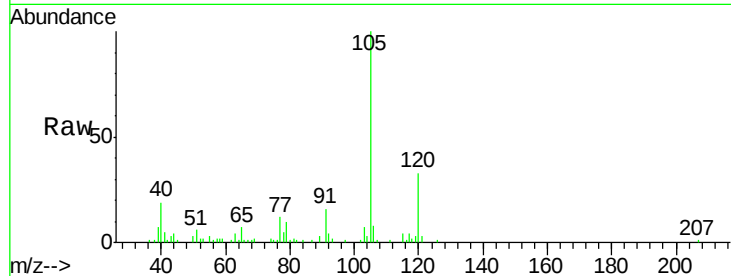
COMP-3

Tgt Ion: 91 Resp: 9201

Ion Ratio Lower Upper

91 100

126 2.2 17.4 52.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.932 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054126.D

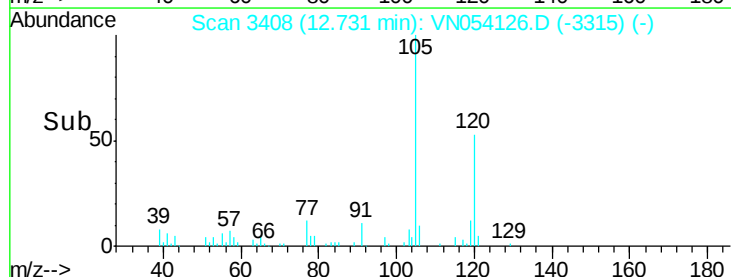
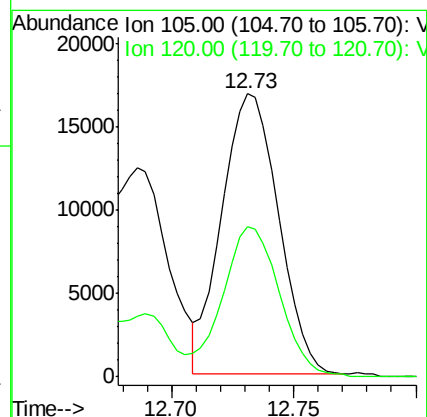
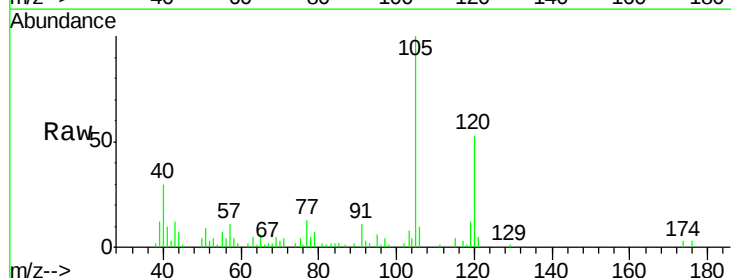
Acq: 6 Mar 2019 19:32

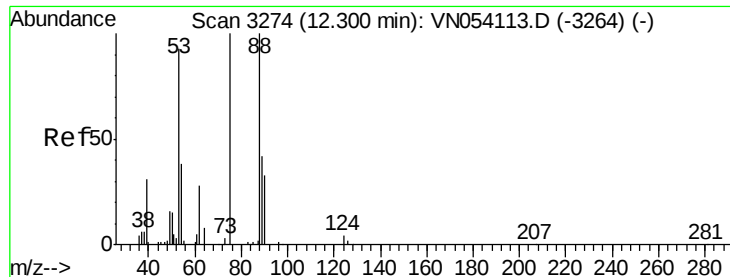
Tgt Ion: 105 Resp: 27080

Ion Ratio Lower Upper

105 100

120 54.5 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 110.478 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

COMP-3

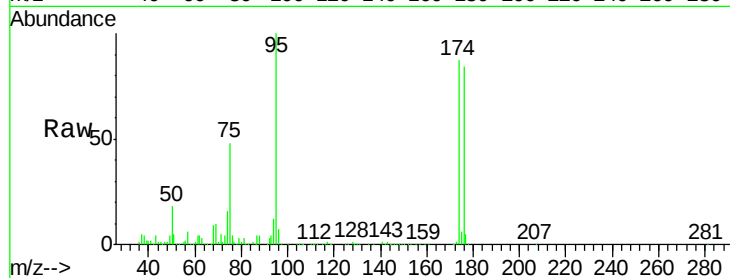
Tgt Ion: 75 Resp: 246286

Ion Ratio Lower Upper

75 100

53 0.5 76.4 114.6#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN054113.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054113.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054113.D (-3264) (-)

150000

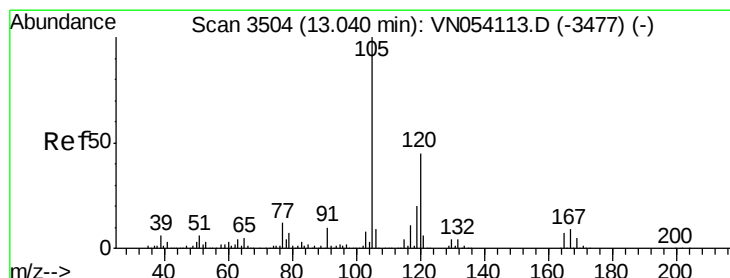
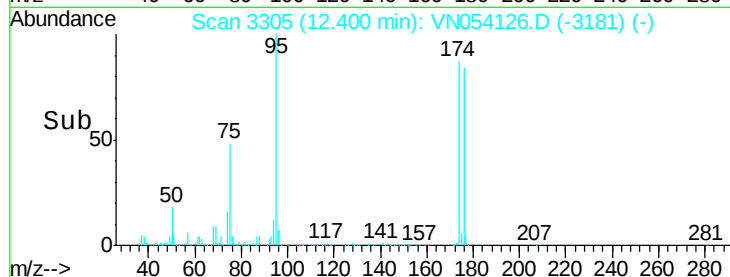
100000

50000

0

12.35 12.40 12.45

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 3.165 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054126.D

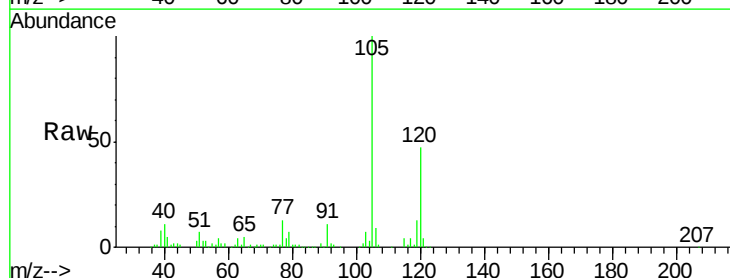
Acq: 6 Mar 2019 19:32

Tgt Ion: 105 Resp: 91285

Ion Ratio Lower Upper

105 100

120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): VN054113.D (-3477) (-)

Ion 120.00 (119.70 to 120.70): VN054113.D (-3477) (-)

60000

50000

40000

30000

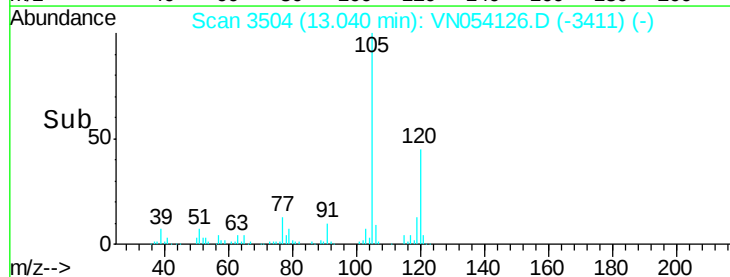
20000

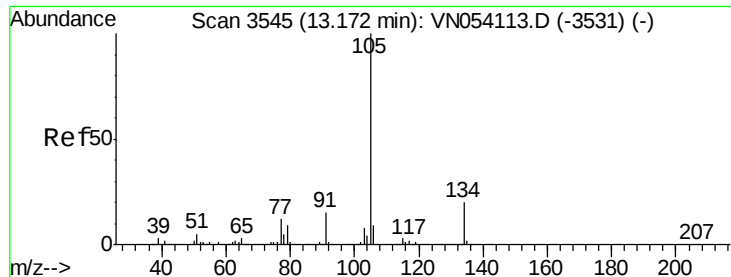
10000

0

12.95 13.00 13.05 13.10

Time-->

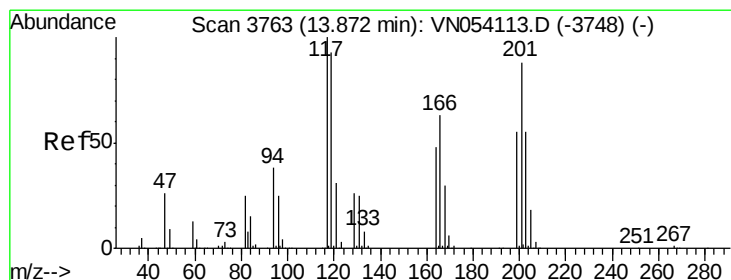
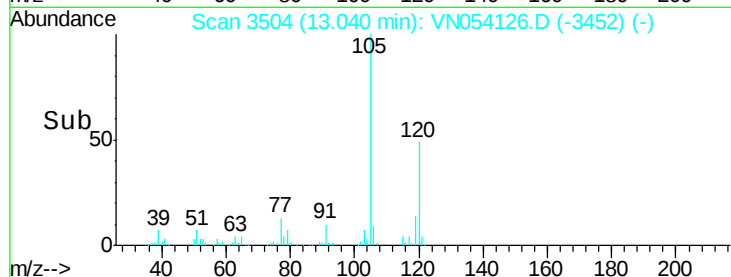
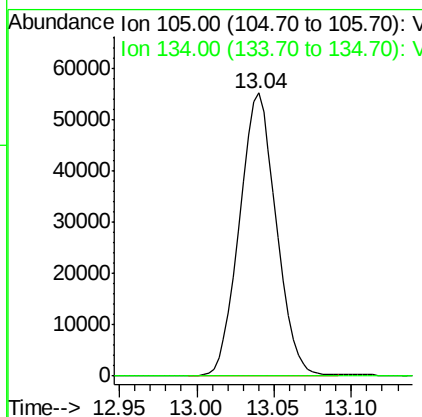
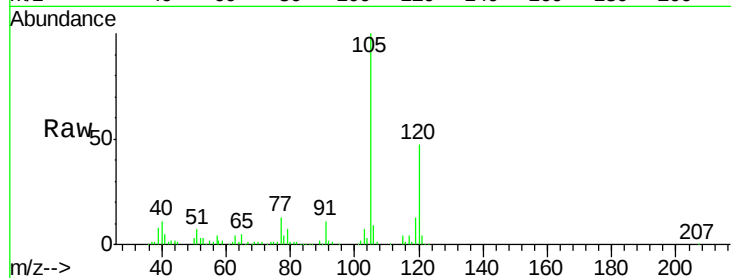




#85
 sec-Butylbenzene
 Concen: 2.614 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

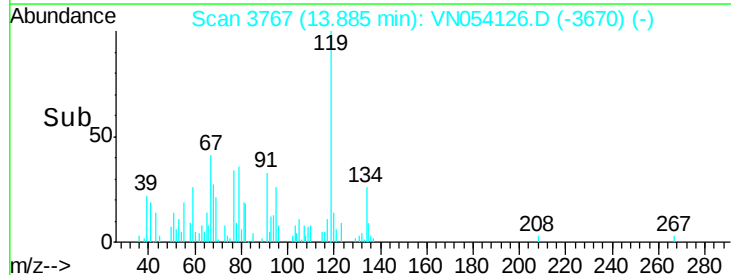
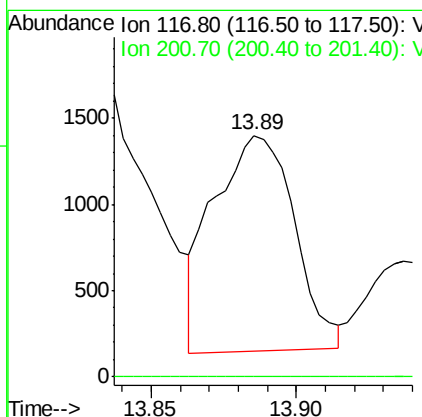
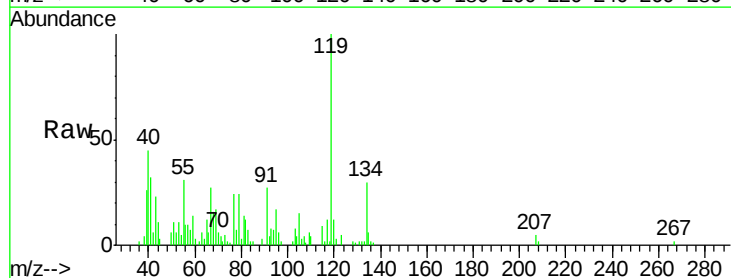
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-3

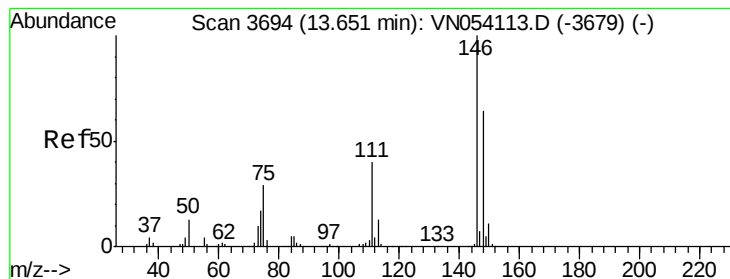
Tgt Ion:105 Resp: 91285
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#



#90
 Hexachloroethane
 Concen: 0.432 ug/l
 RT: 13.89 min Scan# 3767
 Delta R.T. 0.01 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

Tgt Ion:117 Resp: 2430
 Ion Ratio Lower Upper
 117 100
 201 0.0 44.9 134.7#





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

COMP-3

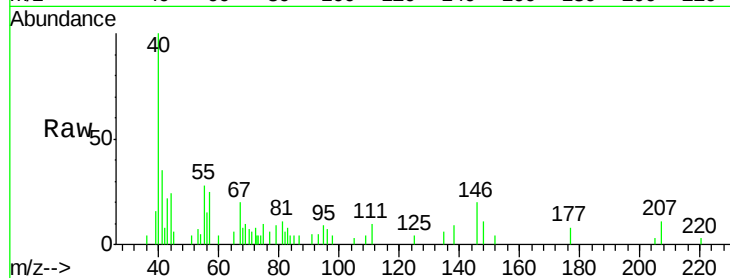
Tgt Ion:146 Resp: 1337

Ion Ratio Lower Upper

146 100

111 46.7 20.0 60.0

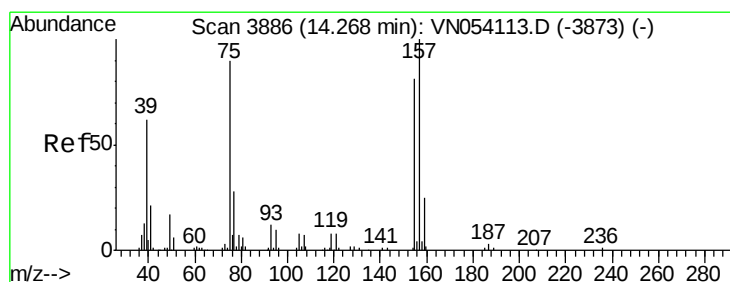
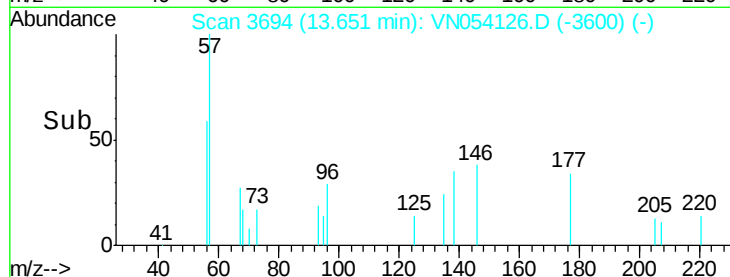
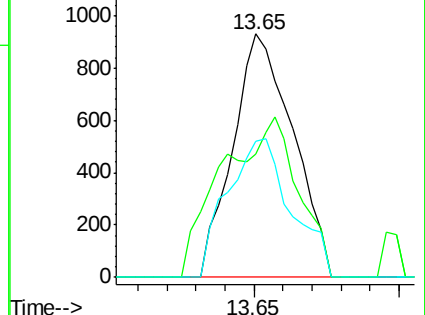
148 60.6 32.3 96.9



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: 0.238 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

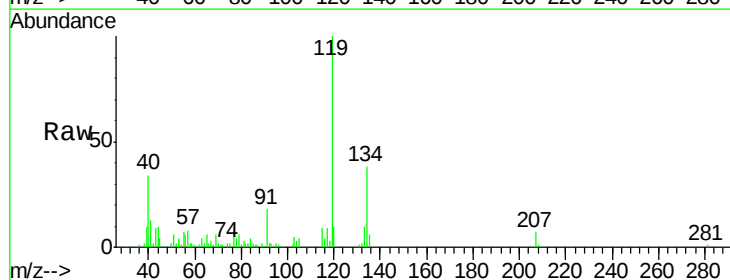
Tgt Ion: 75 Resp: 311

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.5#

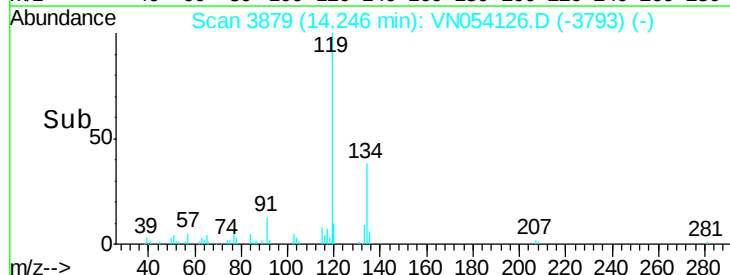
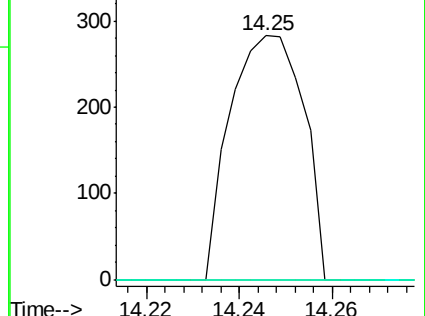
157 0.0 57.2 171.6#

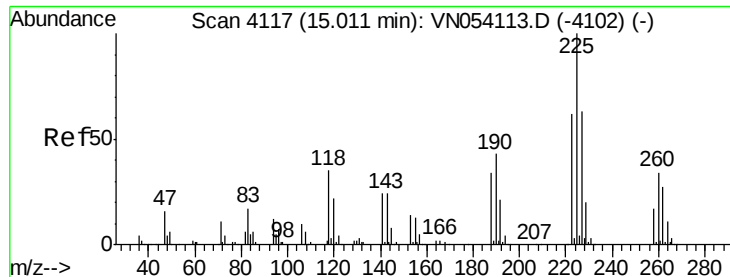


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

COMP-3

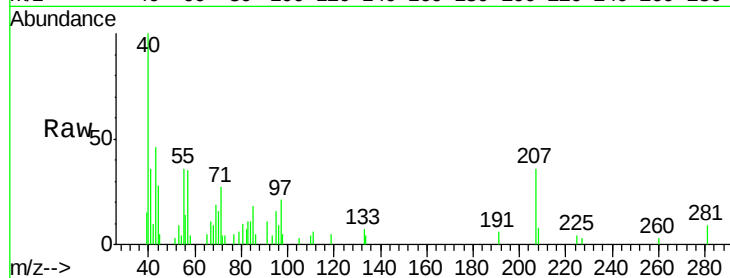
Tgt Ion: 225 Resp: 145

Ion Ratio Lower Upper

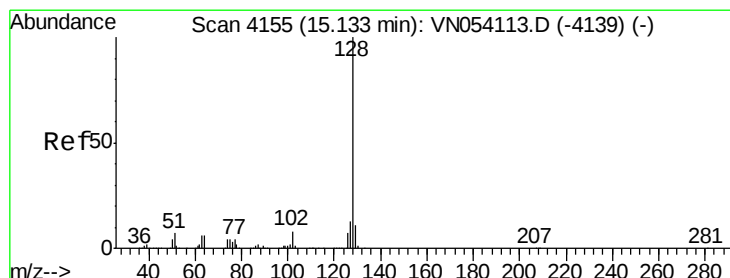
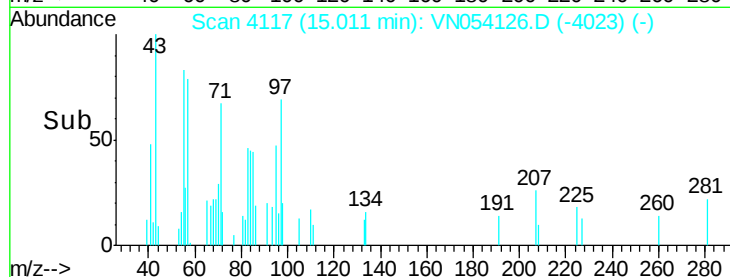
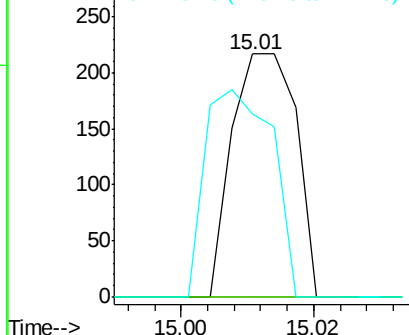
225 100

223 0.0 31.2 93.6#

227 89.0 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 12.945 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054126.D

Acq: 6 Mar 2019 19:32

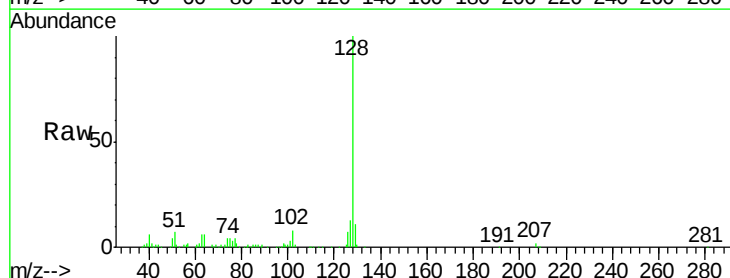
Tgt Ion: 128 Resp: 155075

Ion Ratio Lower Upper

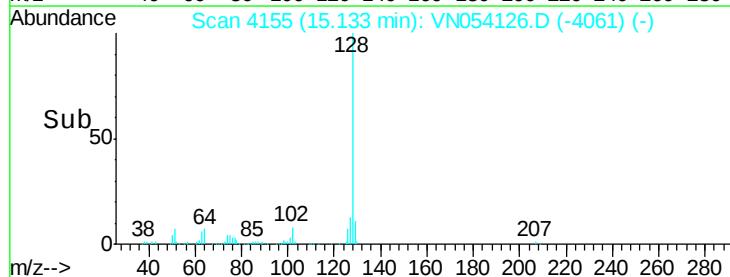
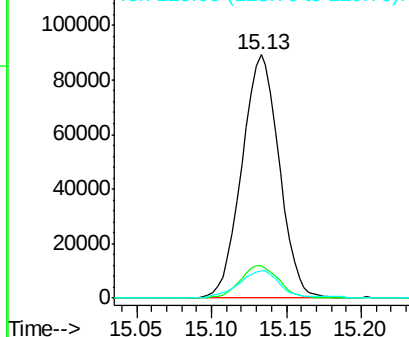
128 100

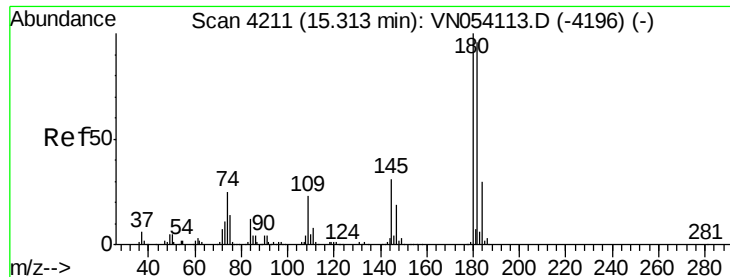
127 13.7 10.4 15.6

129 12.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.485 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054126.D
 Acq: 6 Mar 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	179.8	47.9	143.7#
145	69.4	14.9	44.5#

