

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053409.D
 Acq On : 15 Jan 2019 15:47
 Operator : JC/SP
 Sample : K1139-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 S-8

Quant Time: Jan 16 03:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1029367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1533107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1348820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	511092	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	444787	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	
35) Dibromofluoromethane	7.59	113	409323	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.09	98	1884510	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	582213	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	1845	3.706	ug/l #	73
13) Acrolein	3.61	56	266	22.987	ug/l #	44
16) Acetone	3.82	43	17213	7.211	ug/l	97
18) Methyl Acetate	4.34	43	2415	0.300	ug/l	93
20) Methylene Chloride	4.56	84	23199	2.129	ug/l	97
25) 2-Butanone	6.85	43	7533	2.048	ug/l	97
29) Tetrahydrofuran	7.21	42	578	0.241	ug/l #	55
31) Cyclohexane	7.67	56	17756	0.773	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	67687	4.848	ug/l #	48
37) Ethyl Acetate	6.85	43	7533	0.930	ug/l #	67
38) Carbon Tetrachloride	7.67	117	90281	6.830	ug/l #	16
43) Isopropyl Acetate	8.17	43	48733	3.231	ug/l #	84
48) Methyl methacrylate	9.18	41	17784	2.385	ug/l #	12
49) 1,4-Dioxane	9.26	88	109	1.497	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7189	0.912	ug/l	95
52) Toluene	10.16	92	69704	2.646	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	93507	5.796	ug/l #	63
56) Ethyl methacrylate	10.54	69	1198	2.147	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	11142	0.709	ug/l #	42
59) 2-Hexanone	10.76	43	146982	26.554	ug/l #	51
67) Ethyl Benzene	11.51	91	47991	0.986	ug/l	99
68) m/p-Xylenes	11.62	106	78704	4.284	ug/l	99
69) o-Xylene	11.95	106	35491	1.988	ug/l	98
71) Bromoform	12.40	173	3811	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	273216	42.458	ug/l #	100
78) n-propylbenzene	12.59	91	17700	0.412	ug/l	98
79) 2-Chlorotoluene	12.65	91	7640	0.300	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	42336	1.390	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	273216	99.993	ug/l #	14
83) tert-Butylbenzene	13.04	119	15663	0.582	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	123860	4.034	ug/l	99
85) sec-Butylbenzene	13.04	105	123860	3.358	ug/l #	56
90) Hexachloroethane	13.89	117	1231	0.245	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	801	2.874	ug/l	97

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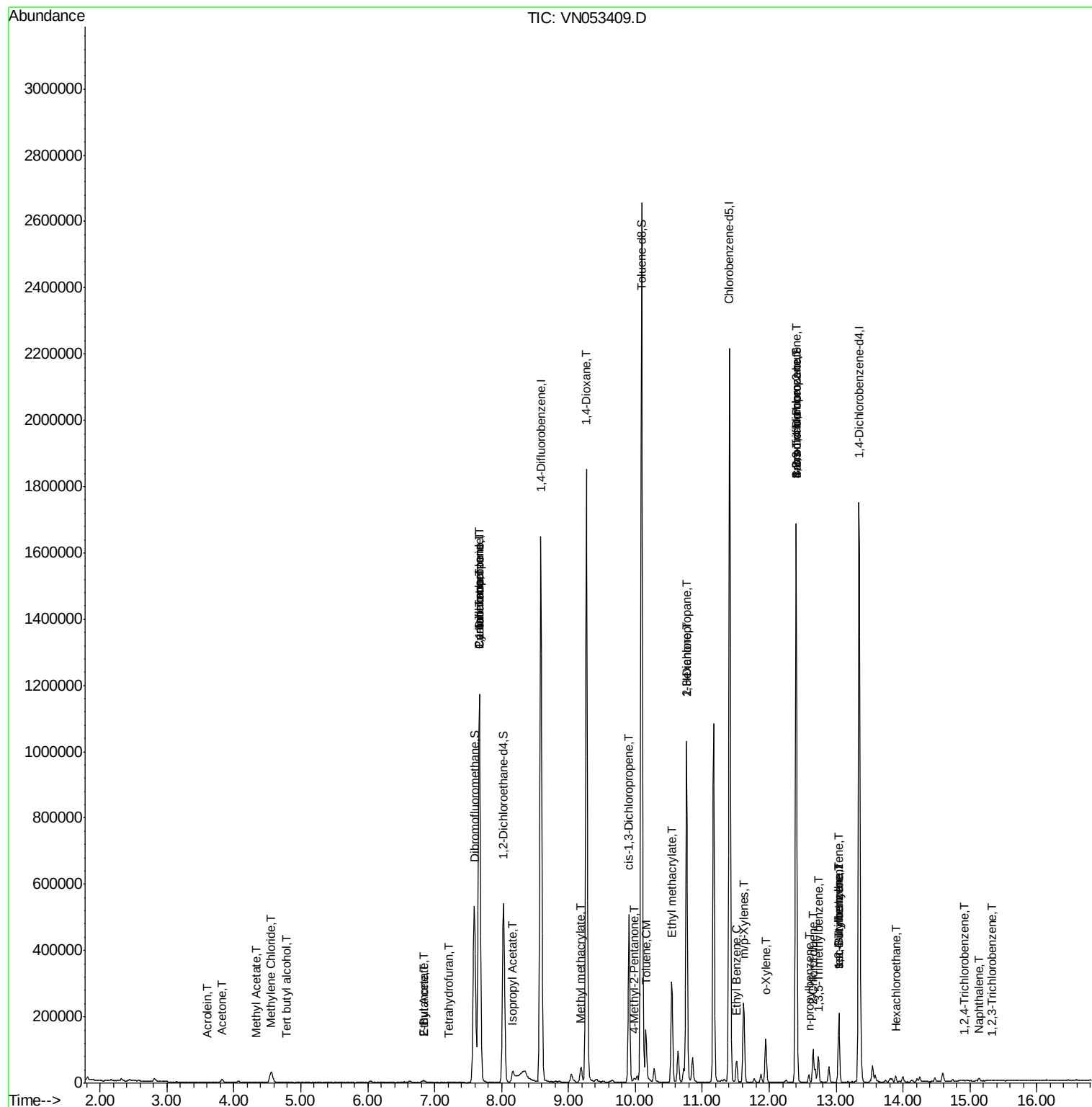
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	7839	4.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	823	4.051	ug/l #	71

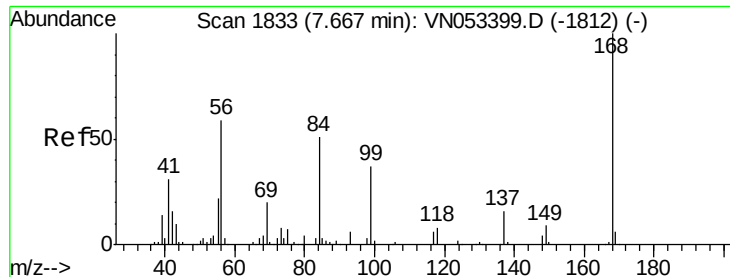
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

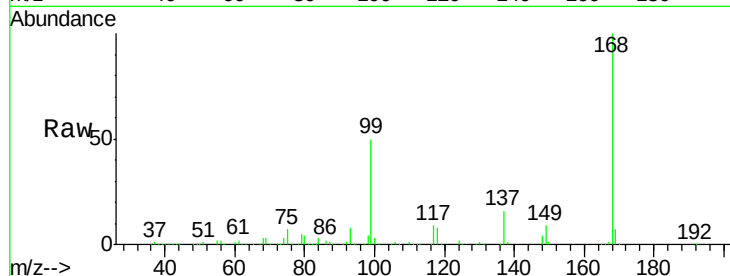
S-8

Tot Ion:168 Resp: 1029367

Ion Ratio Lower Upper

168 100

99 50.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

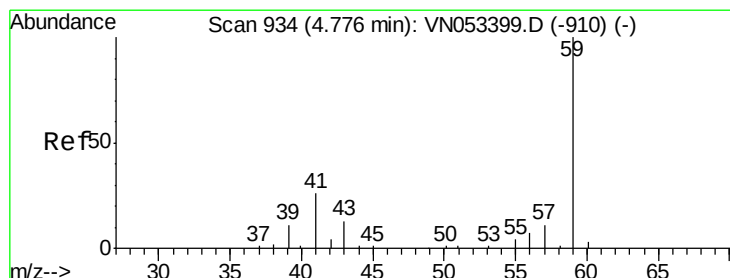
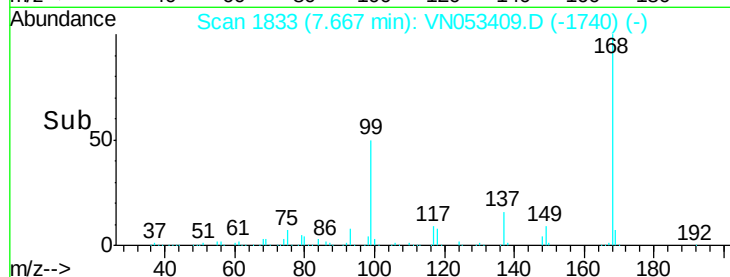
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.706 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN053409.D

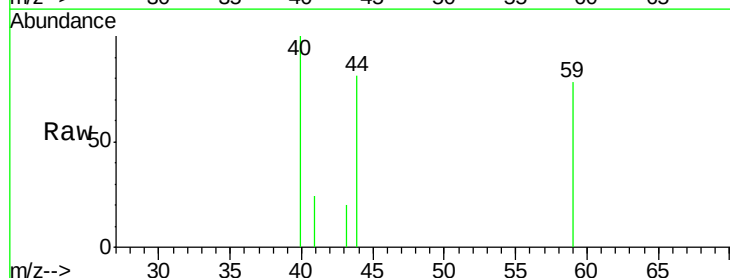
Acq: 15 Jan 2019 15:47

Tgt Ion: 59 Resp: 1845

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

800

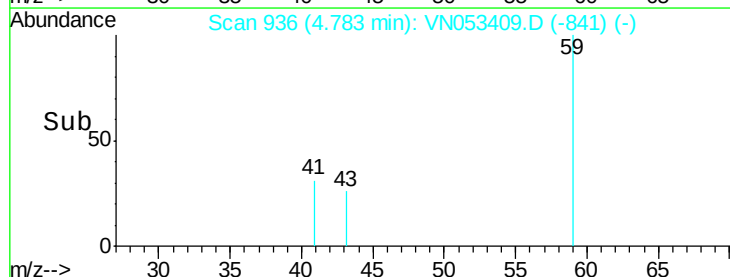
600

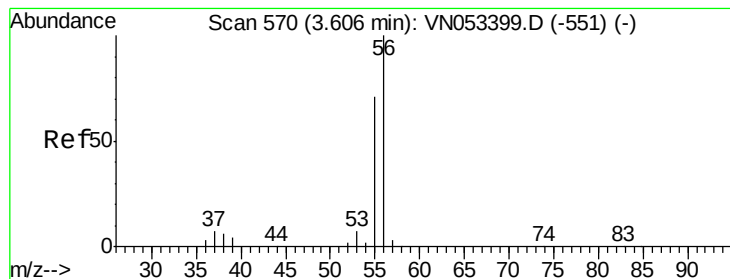
400

200

0

Time-->





#13

Acrolein

Concen: 22.987 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

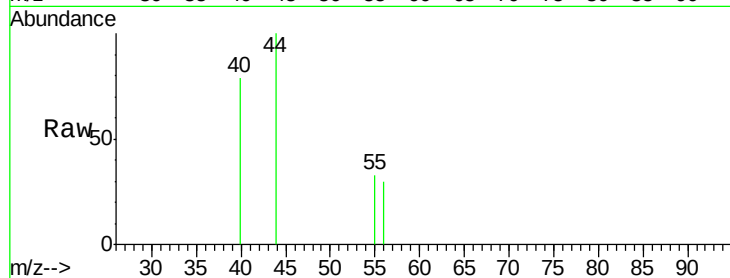
Instrument :
MSVOA_N
ClientSampled :
S-8

Tot Ion: 56 Resp: 266

Ion Ratio Lower Upper

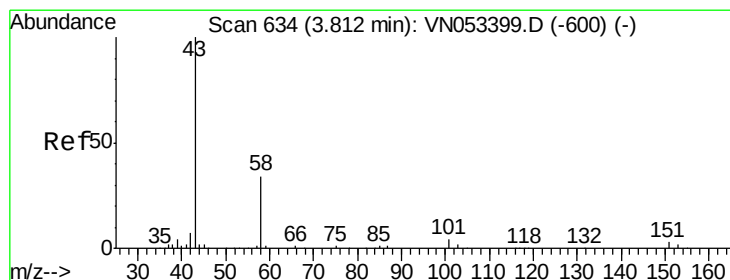
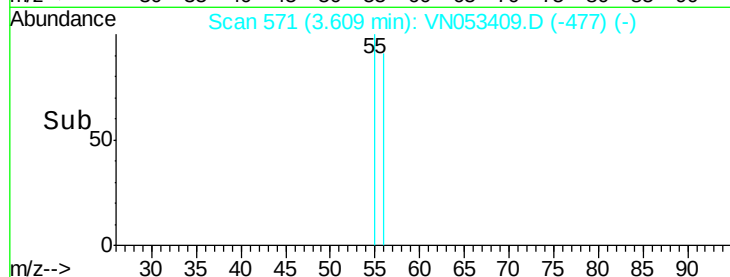
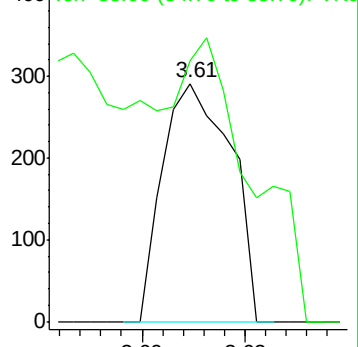
56 100

55 116.5 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 7.211 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053409.D

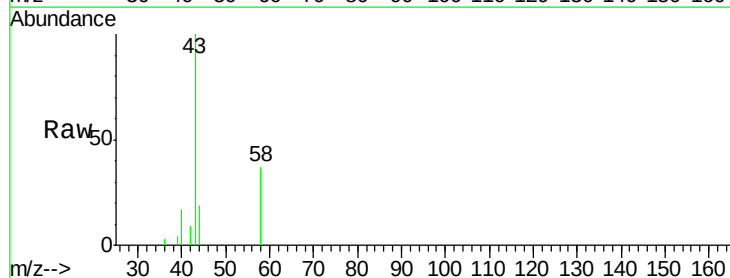
Acq: 15 Jan 2019 15:47

Tgt Ion: 43 Resp: 17213

Ion Ratio Lower Upper

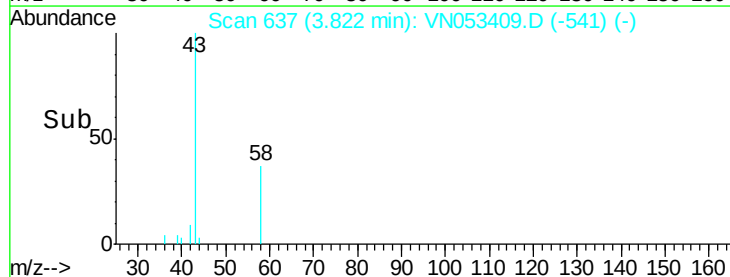
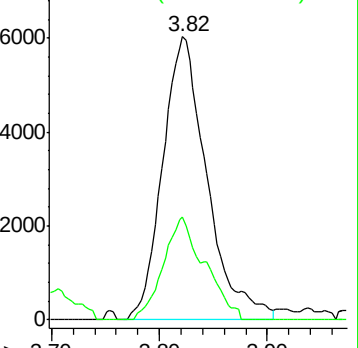
43 100

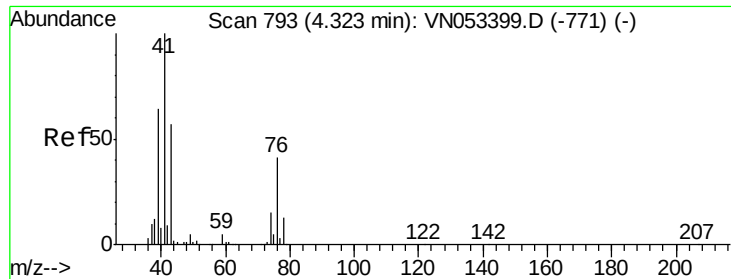
58 36.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

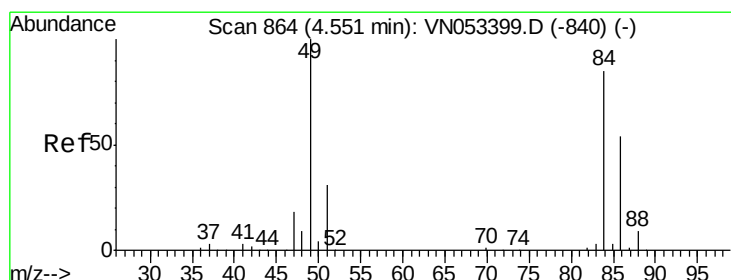
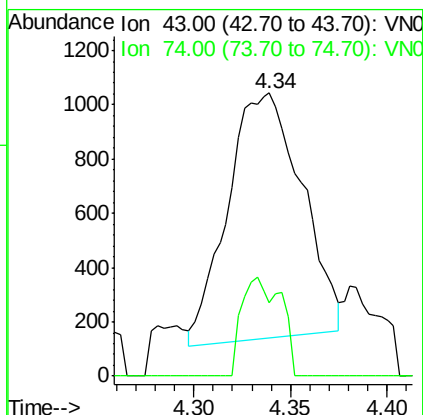
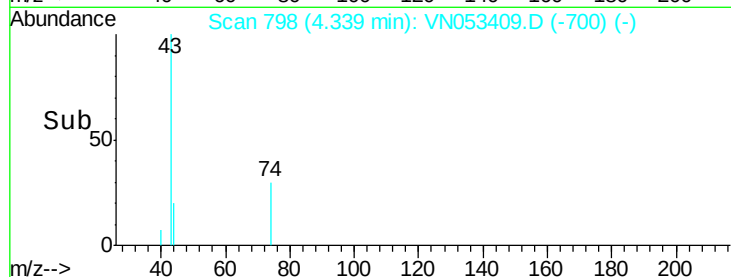
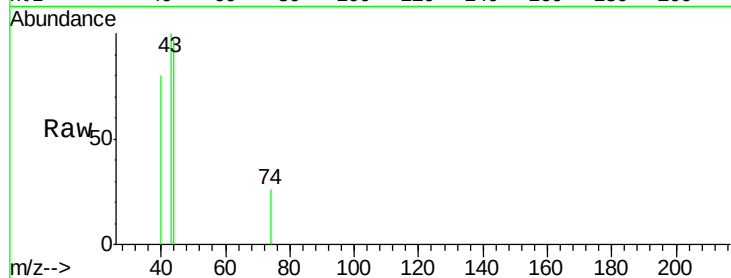




#18
Methyl Acetate
Concen: 0.300 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

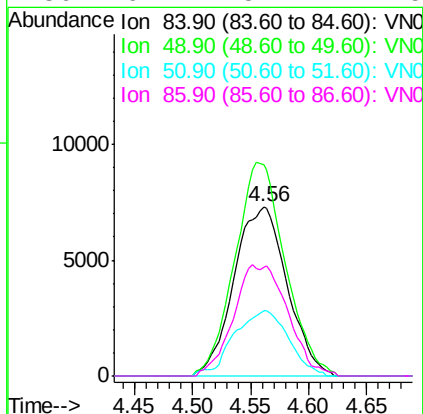
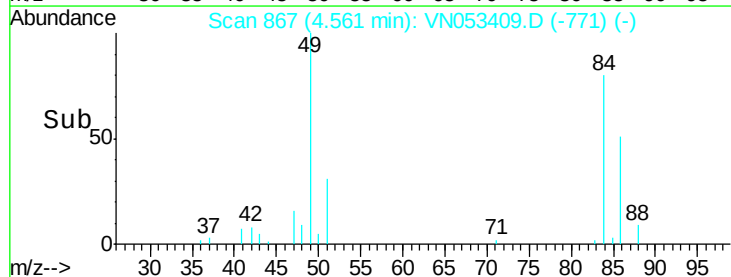
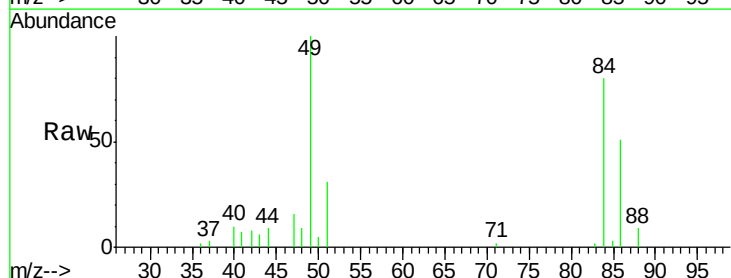
Instrument :
MSVOA_N
ClientSampled :
S-8

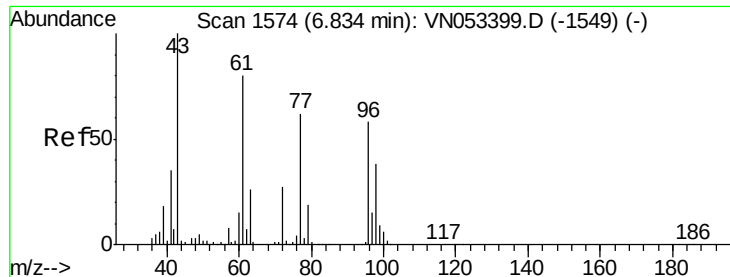
Tot Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
74 21.2 19.8 29.8



#20
Methylene Chloride
Concen: 2.129 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Tgt Ion: 84 Resp: 23199
Ion Ratio Lower Upper
84 100
49 124.6 95.3 142.9
51 38.5 29.0 43.6
86 64.1 51.7 77.5





#25

2-Butanone

Concen: 2.048 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

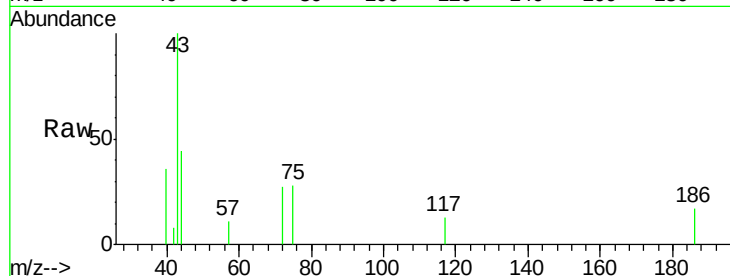
S-8

Tot Ion: 43 Resp: 7533

Ion Ratio Lower Upper

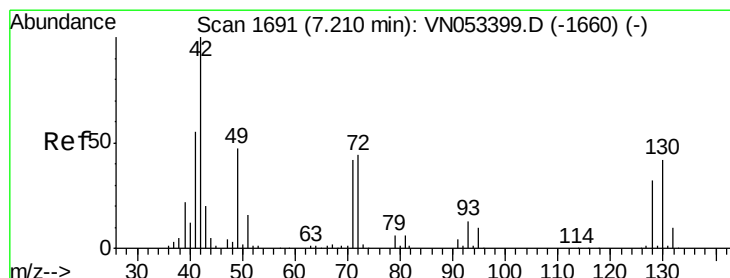
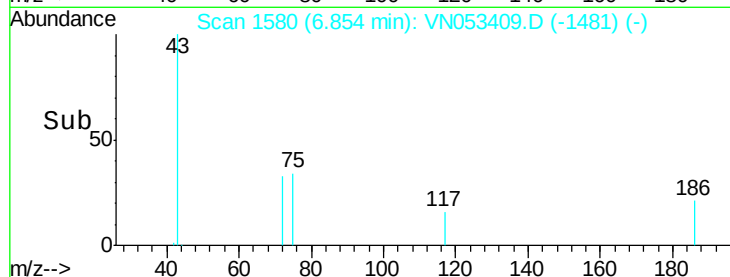
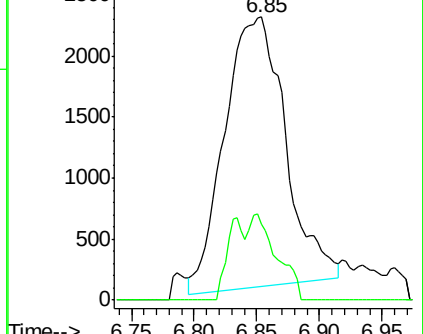
43 100

72 29.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

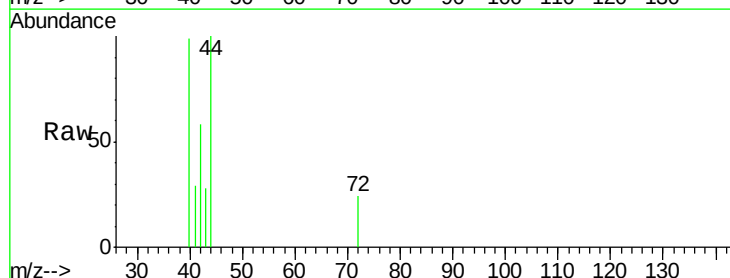
Tgt Ion: 42 Resp: 578

Ion Ratio Lower Upper

42 100

72 28.0 35.6 53.4#

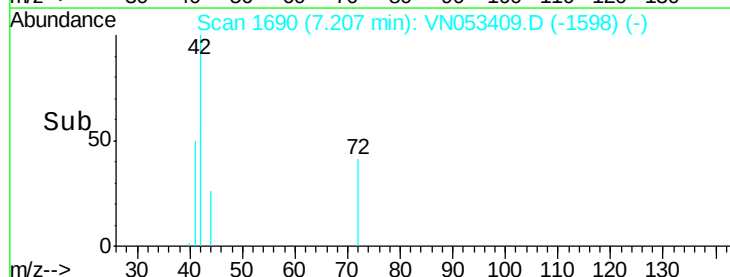
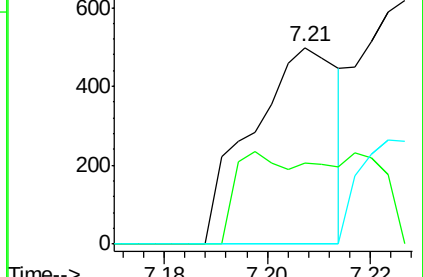
71 0.0 33.8 50.8#

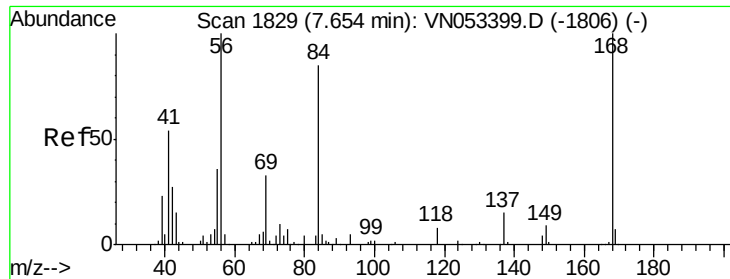


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.773 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

S-8

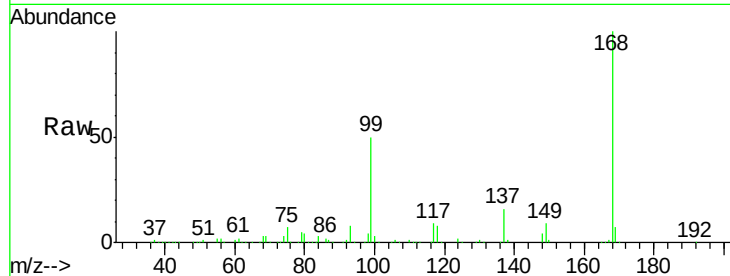
Tot Ion: 56 Resp: 17756

Ion Ratio Lower Upper

56 100

69 196.3 26.7 40.1#

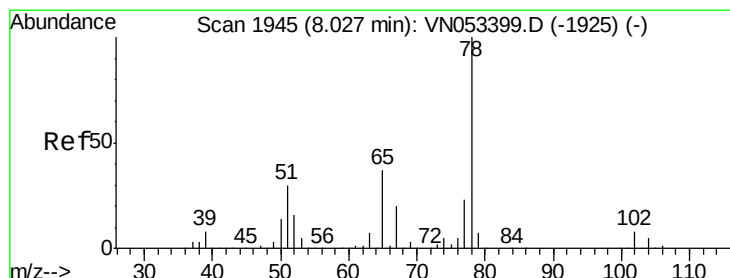
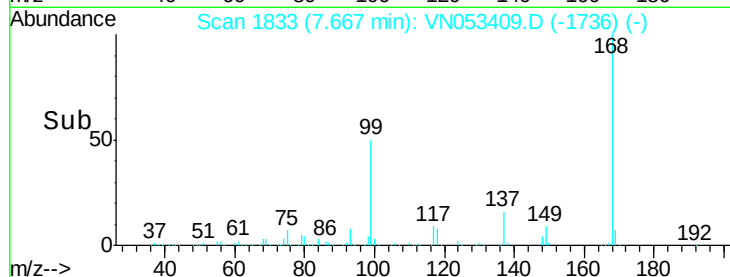
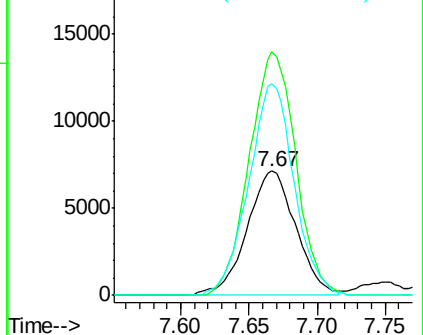
84 170.2 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053409.D

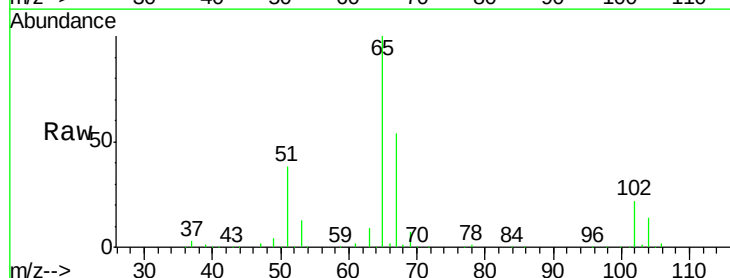
Acq: 15 Jan 2019 15:47

Tgt Ion: 65 Resp: 444787

Ion Ratio Lower Upper

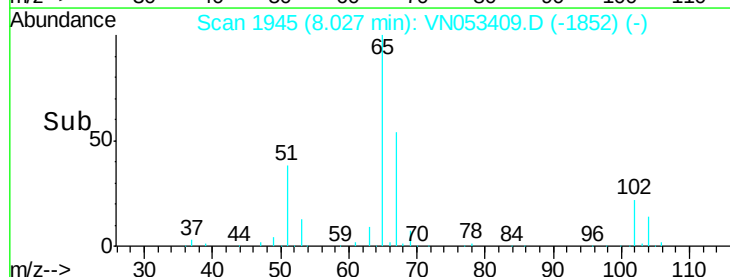
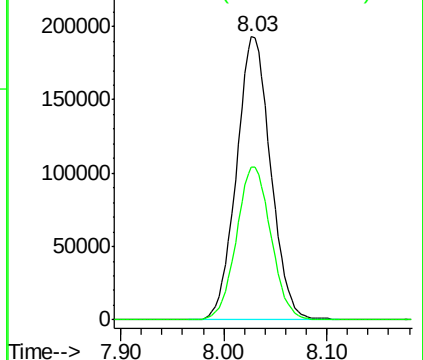
65 100

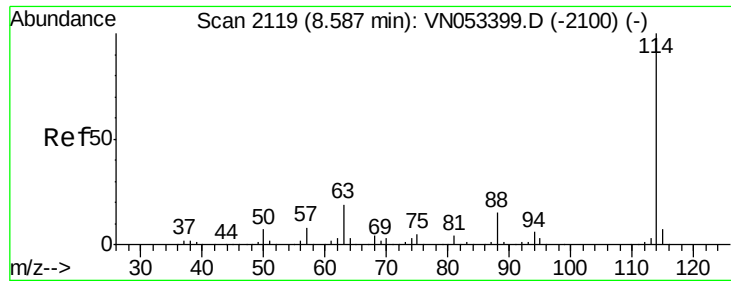
67 54.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

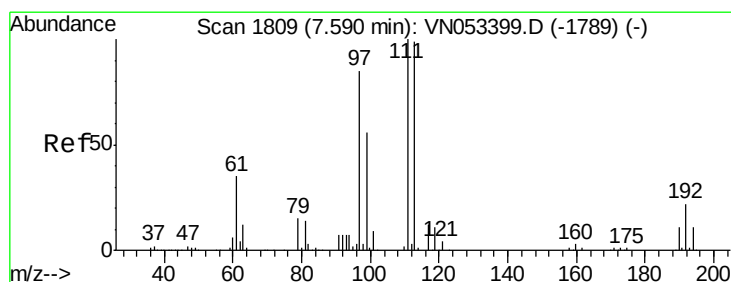
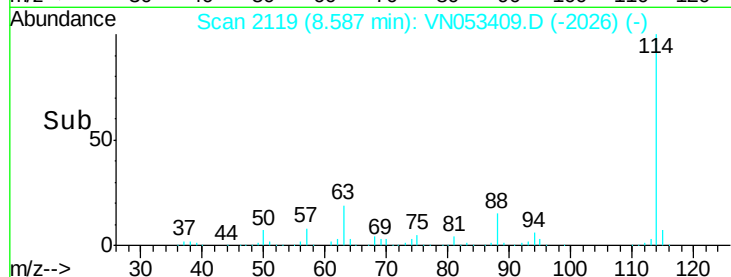
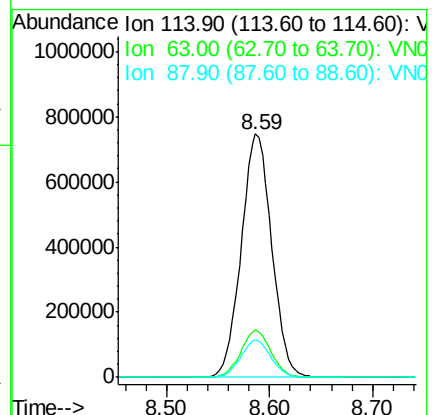
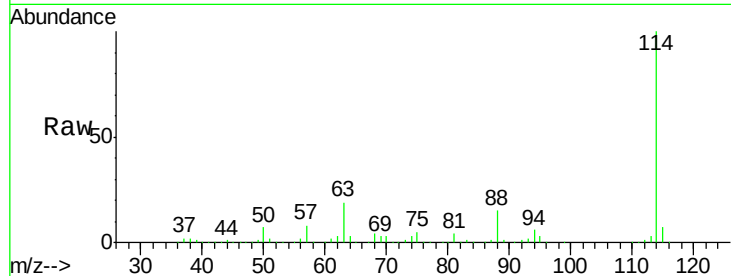




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

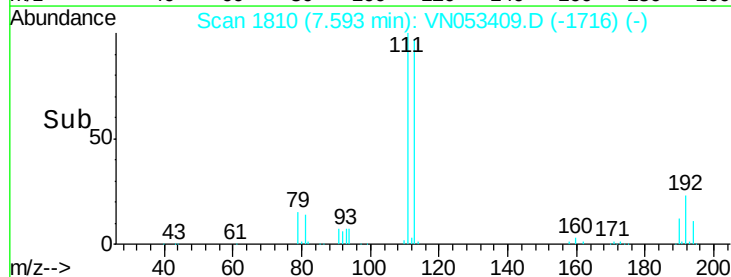
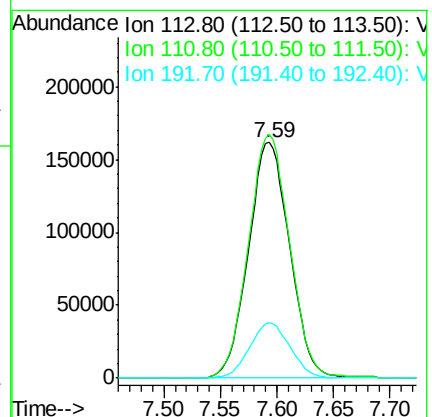
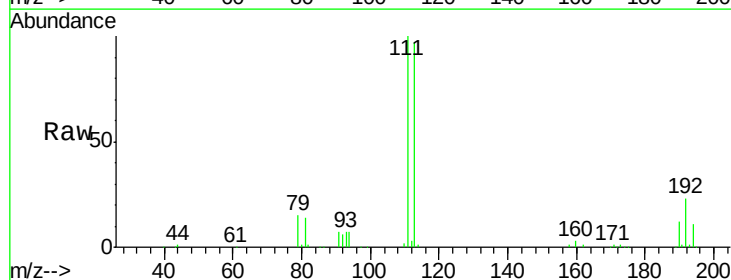
Instrument :
MSVOA_N
ClientSampleId :
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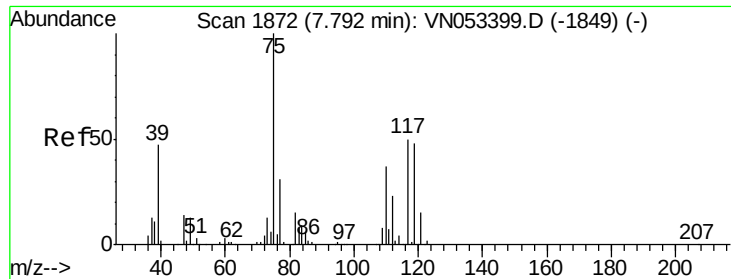
Tot Ion:114 Resp: 1533107
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.0
88 15.4 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Tgt Ion:113 Resp: 409323
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.2
192 23.1 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

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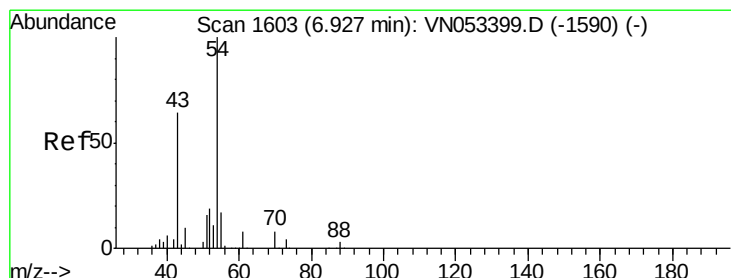
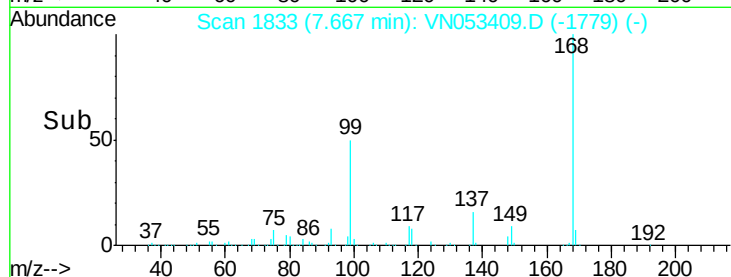
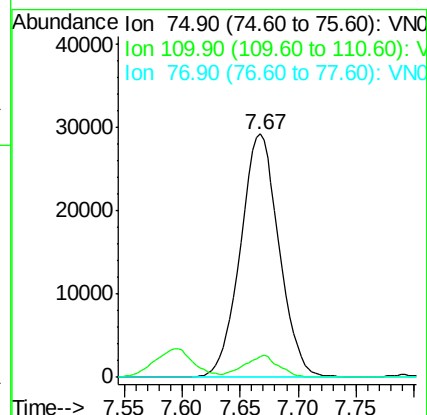
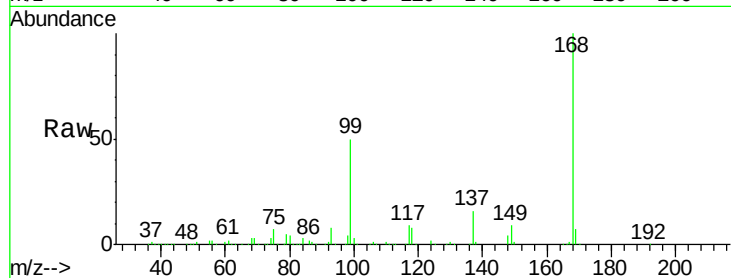
Tot Ion: 75 Resp: 67687

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 0.930 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. -0.07 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

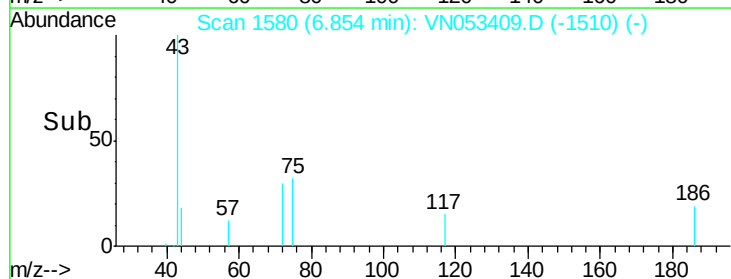
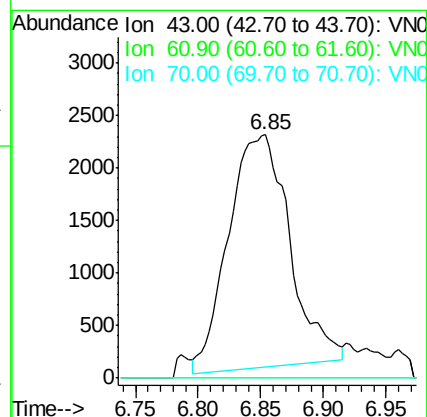
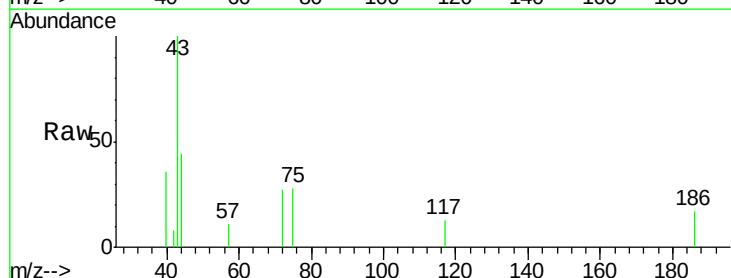
Tgt Ion: 43 Resp: 7533

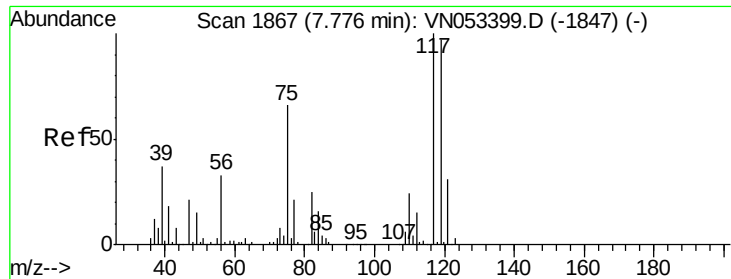
Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 6.830 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

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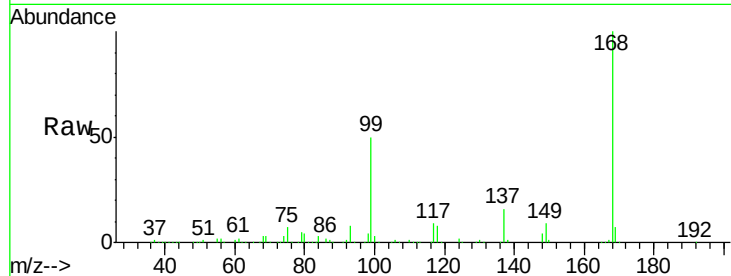
Tot Ion:117 Resp: 90281

Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

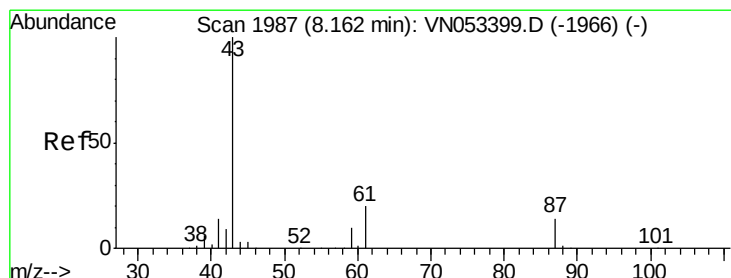
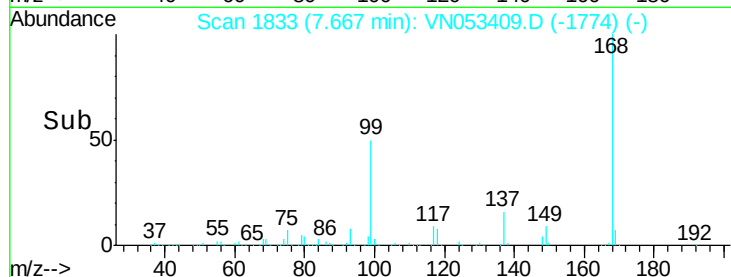
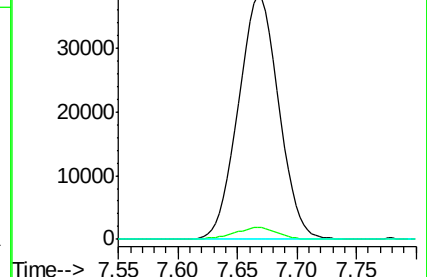
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.231 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

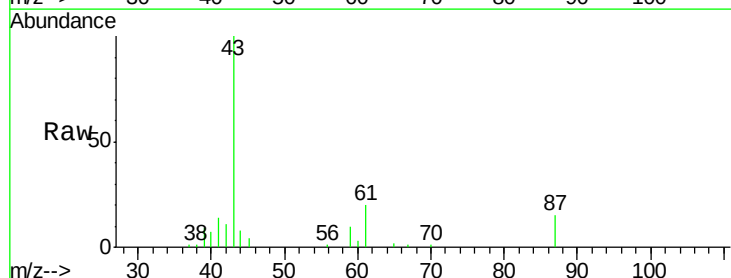
Tgt Ion: 43 Resp: 48733

Ion Ratio Lower Upper

43 100

61 17.9 23.3 34.9#

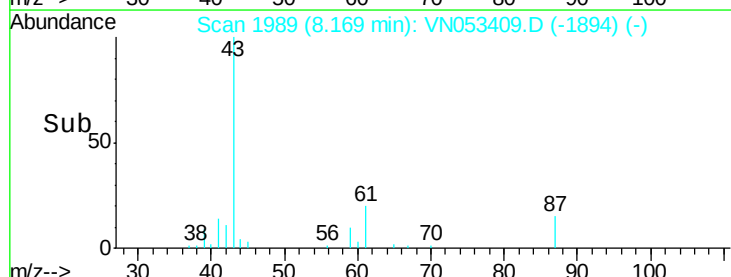
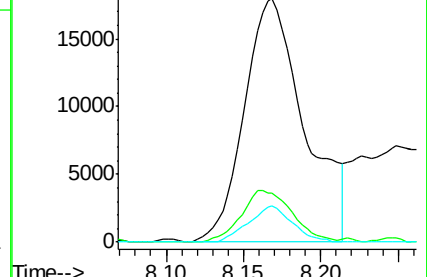
87 10.8 10.8 16.2

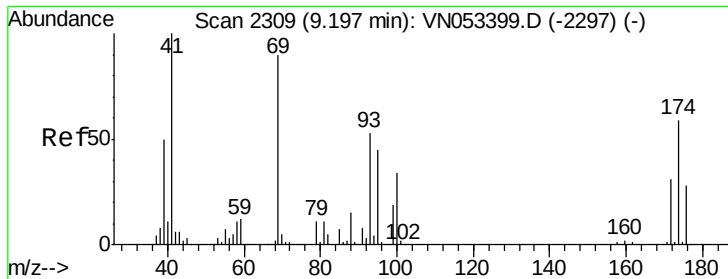


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

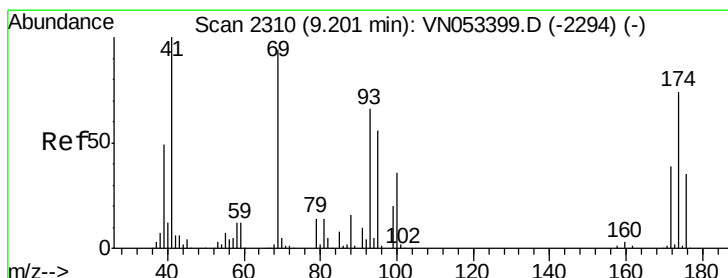
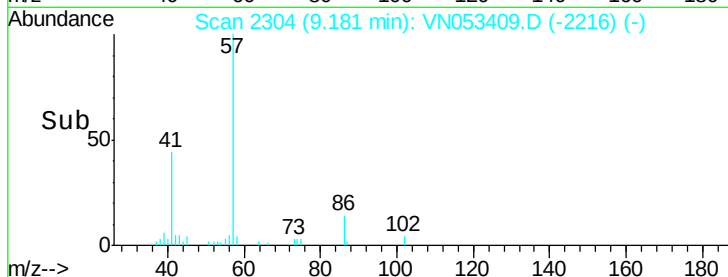
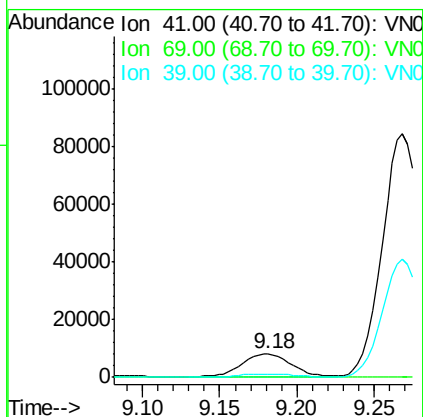
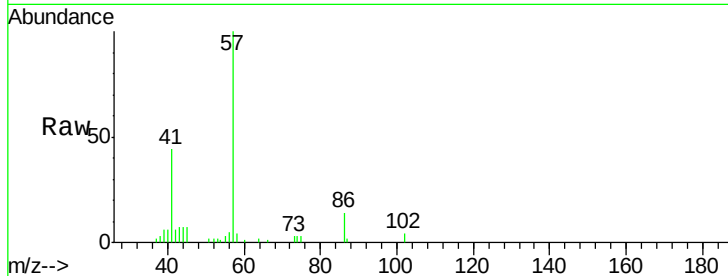




#48
Methvl methacrylate
Concen: 2.385 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

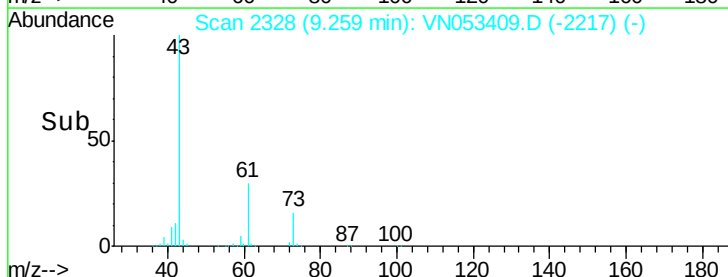
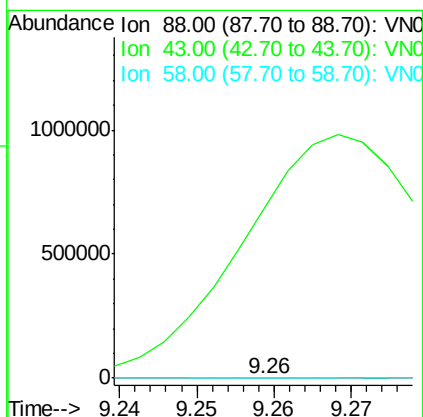
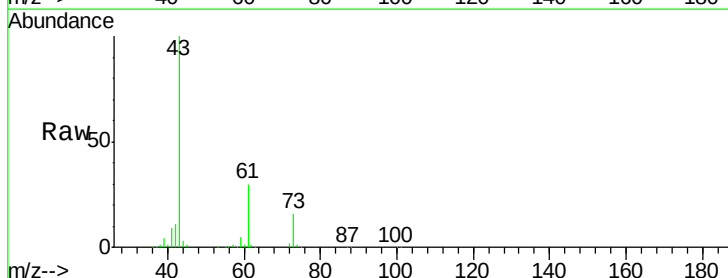
Instrument :
MSVOA_N
ClientSampled :
S-8

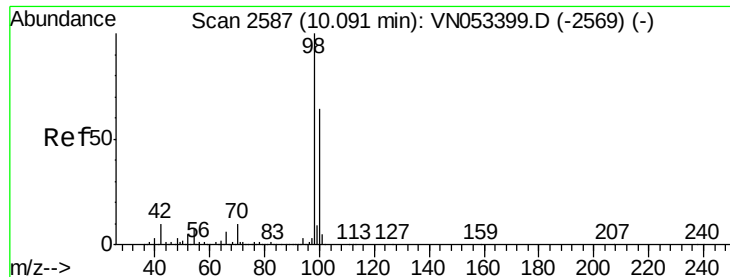
Tot Ion: 41 Resp: 17784
Ion Ratio Lower Upper
41 100
69 0.0 73.5 110.3#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.497 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 1630746.8 26.2 39.4#
58 7290.8 55.5 83.3#





#50

Toluene-d8

Concen: 1.497 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

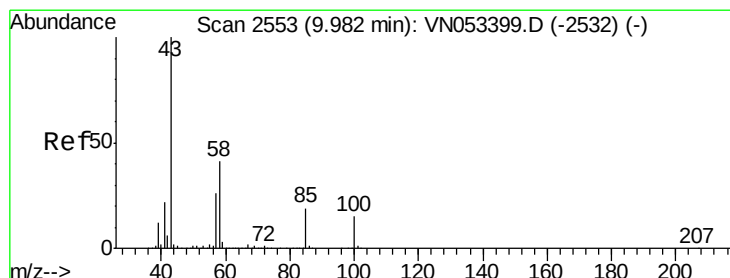
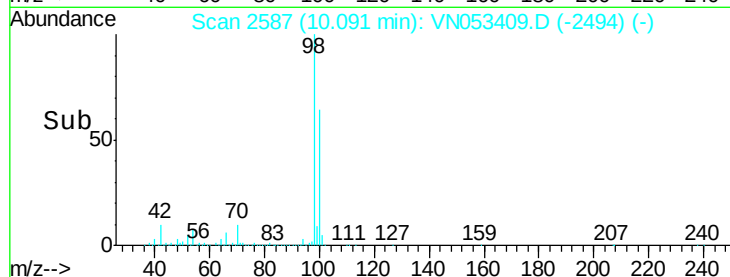
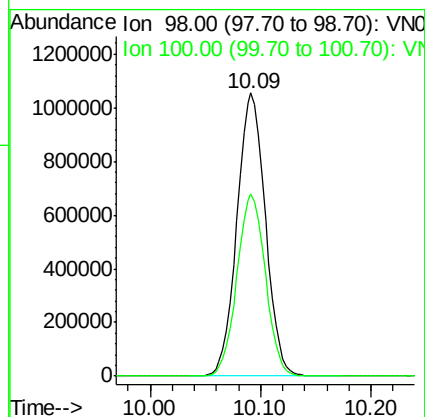
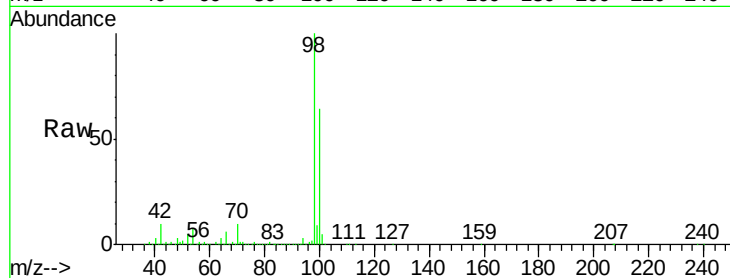
S-8

Tot Ion: 98 Resp: 1884510

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.912 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN053409.D

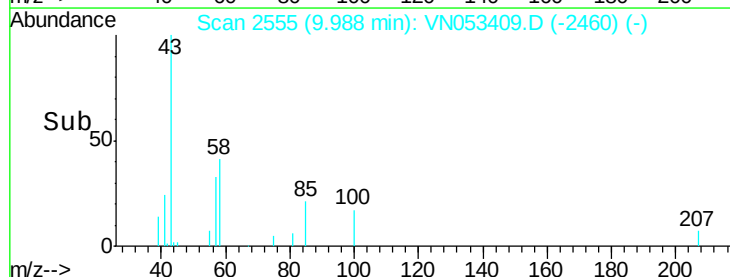
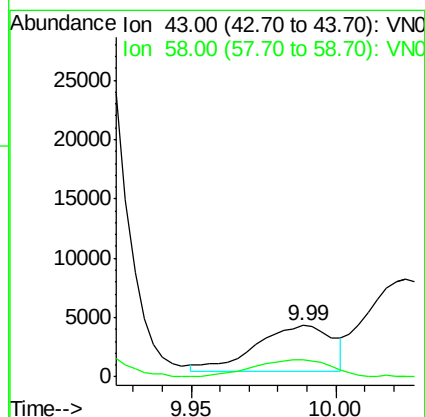
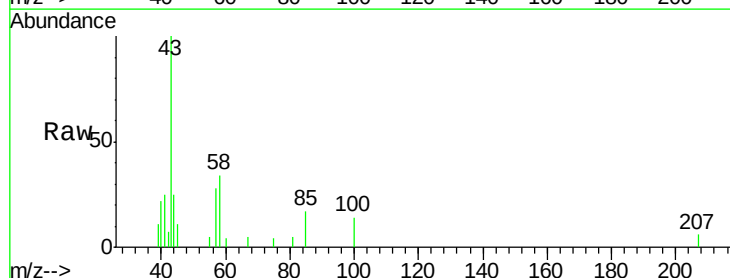
Acq: 15 Jan 2019 15:47

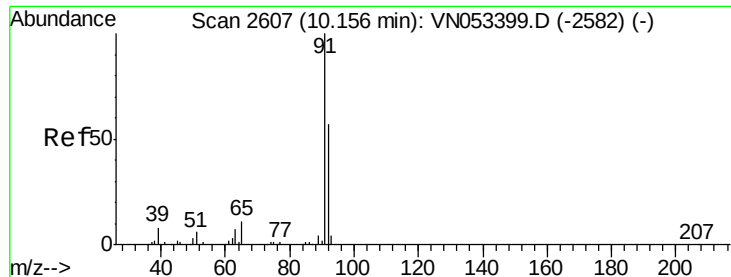
Tgt Ion: 43 Resp: 7189

Ion Ratio Lower Upper

43 100

58 37.5 32.7 49.1





#52

Toluene

Concen: 2.646 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

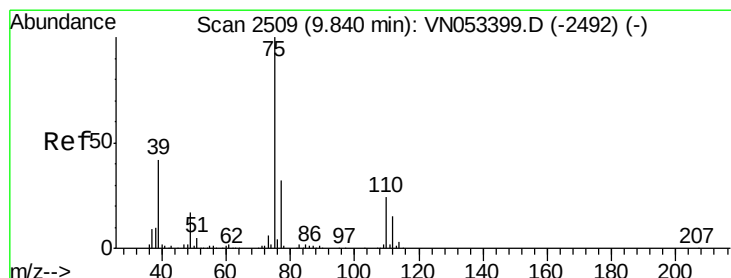
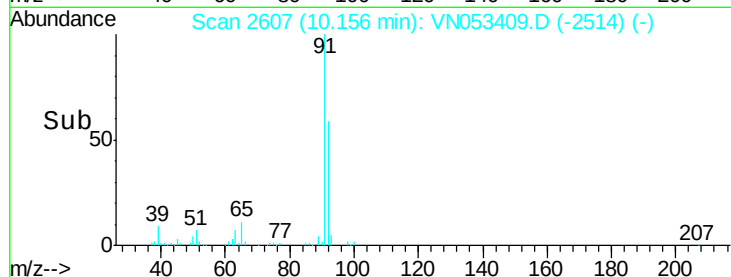
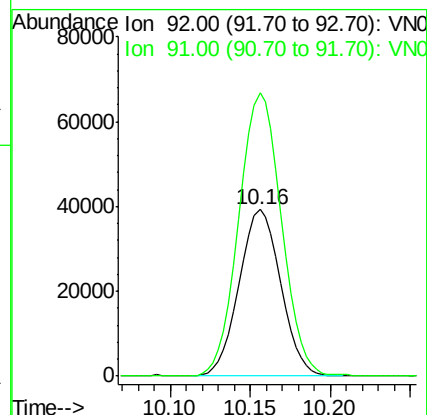
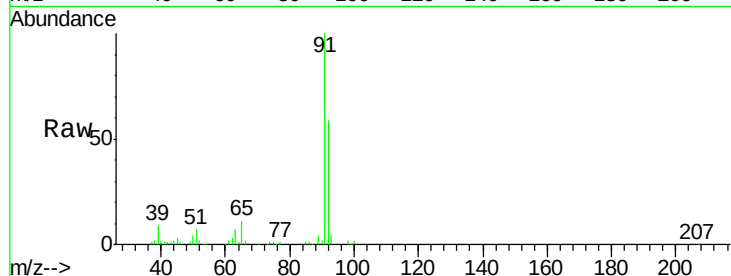
S-8

Tot Ion: 92 Resp: 69704

Ion Ratio Lower Upper

92 100

91 174.0 138.6 208.0



#54

cis-1,3-Dichloropropene

Concen: 5.796 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

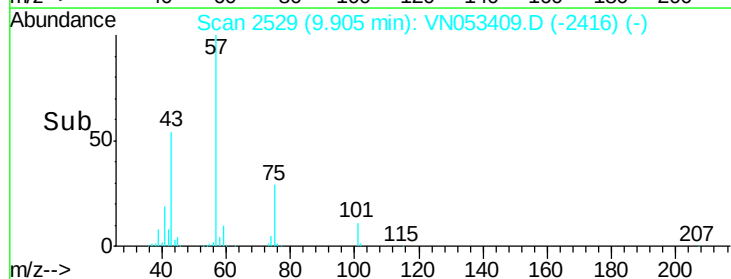
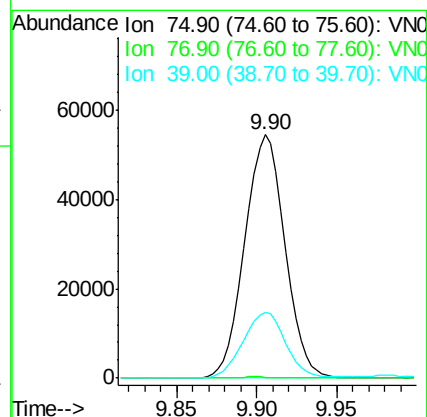
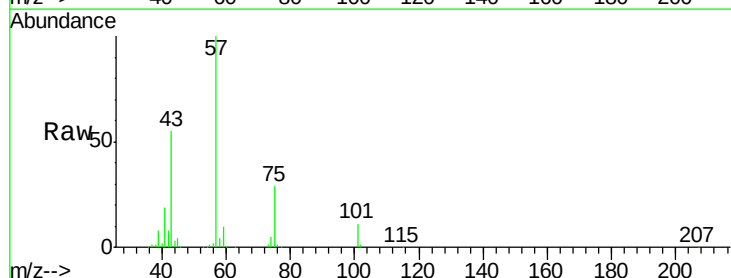
Tgt Ion: 75 Resp: 93507

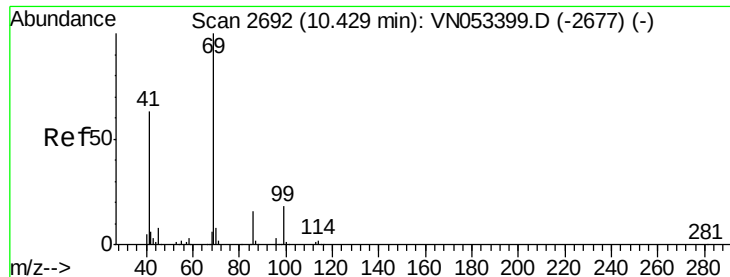
Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

39 27.1 33.1 49.7#





#56

Ethyl methacrylate

Concen: 2.147 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

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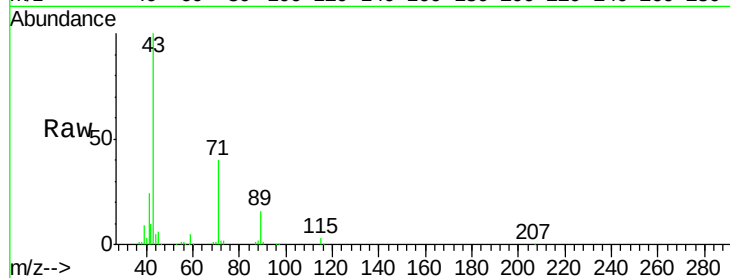
Tot Ion: 69 Resp: 1198

Ion Ratio Lower Upper

69 100

41 4608.8 49.2 73.8#

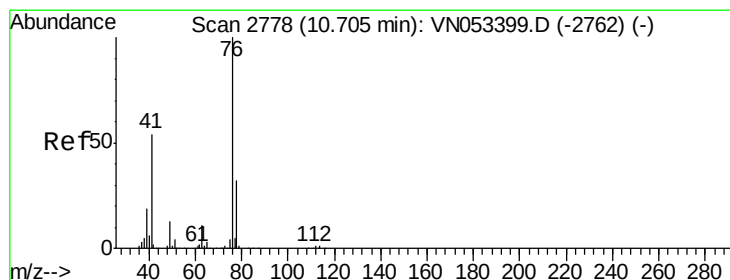
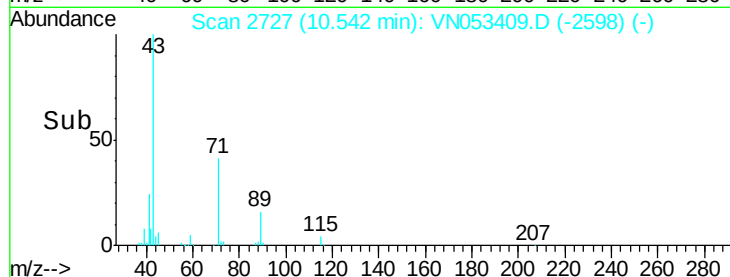
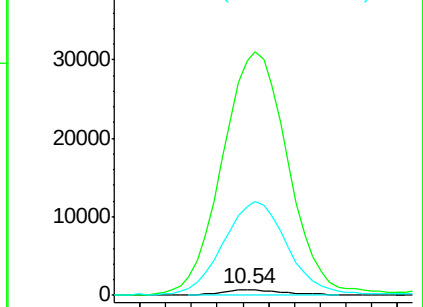
39 1743.5 23.4 35.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.709 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053409.D

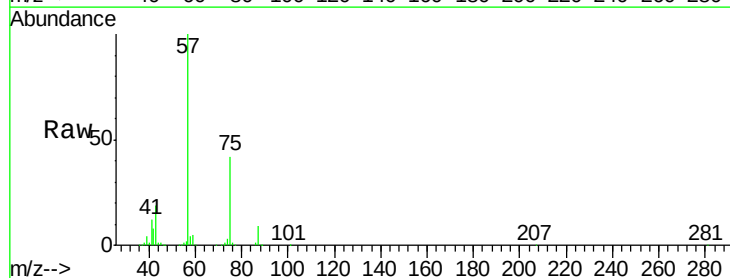
Acq: 15 Jan 2019 15:47

Tgt Ion: 76 Resp: 11142

Ion Ratio Lower Upper

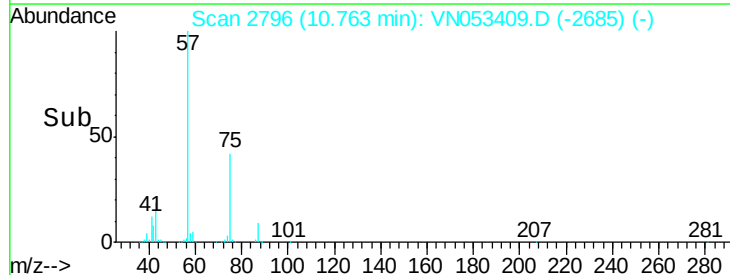
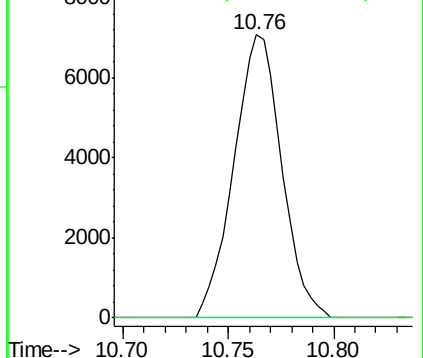
76 100

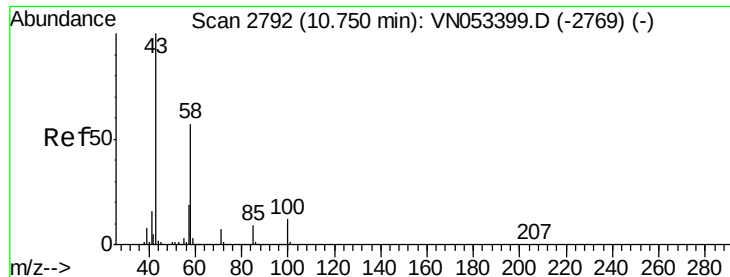
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

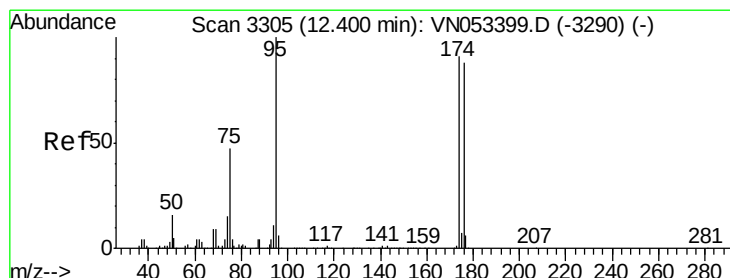
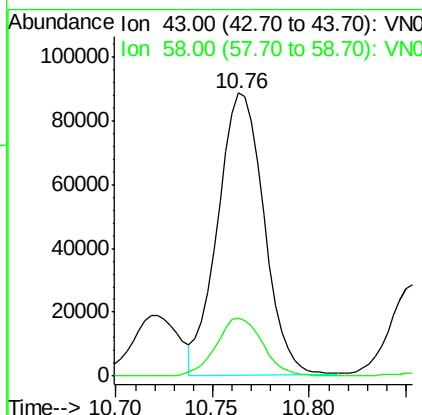
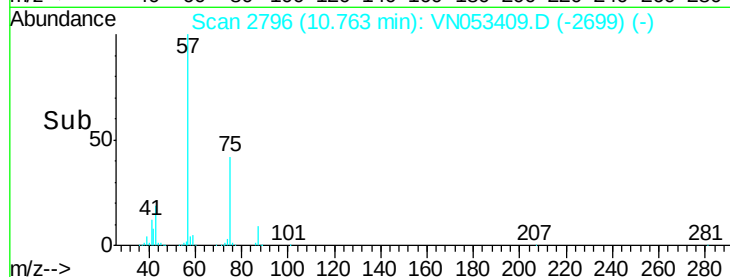
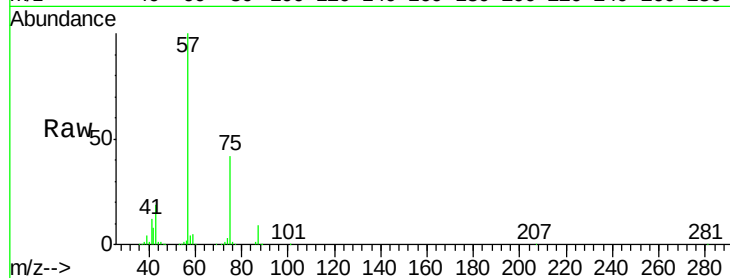




#59
2-Hexanone
Concen: 26.554 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

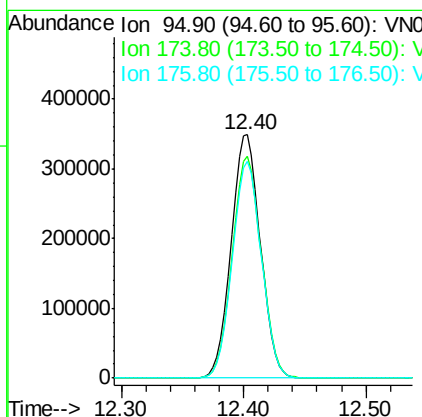
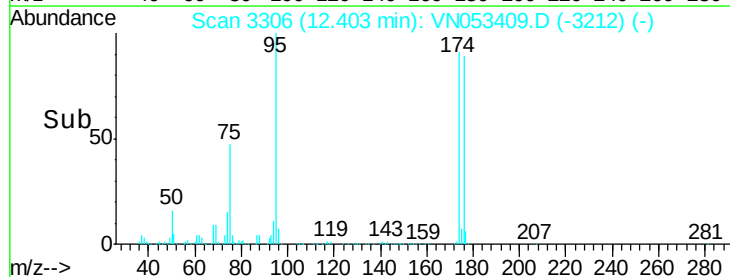
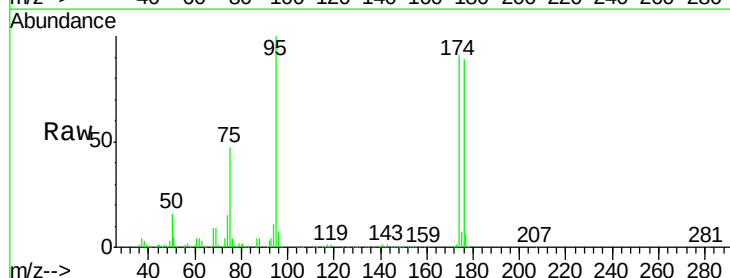
Instrument :
MSVOA_N
ClientSampleId :
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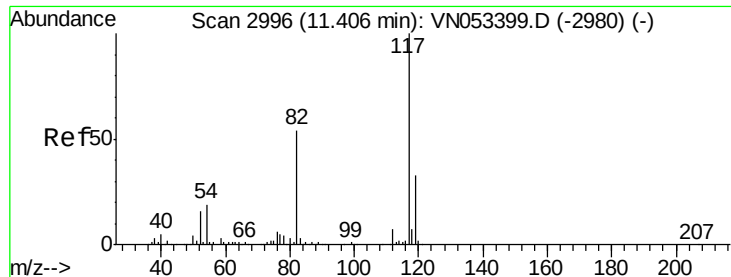
Tot Ion: 43 Resp: 146982
Ion Ratio Lower Upper
43 100
58 21.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Tgt Ion: 95 Resp: 582213
Ion Ratio Lower Upper
95 100
174 90.8 0.0 180.4
176 88.5 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

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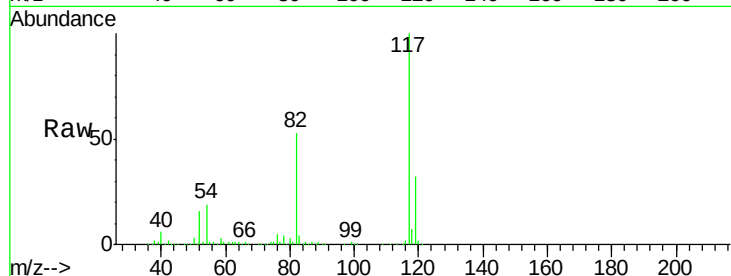
Tot Ion:117 Resp: 1348820

Ion Ratio Lower Upper

117 100

82 53.0 42.9 64.3

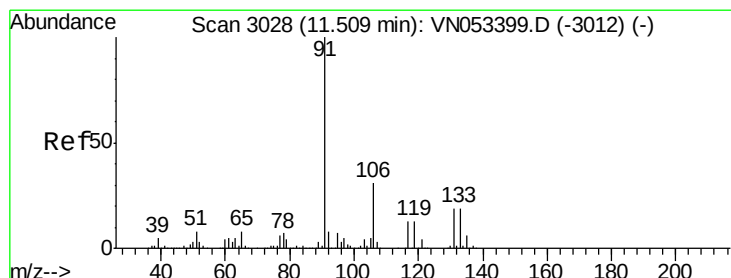
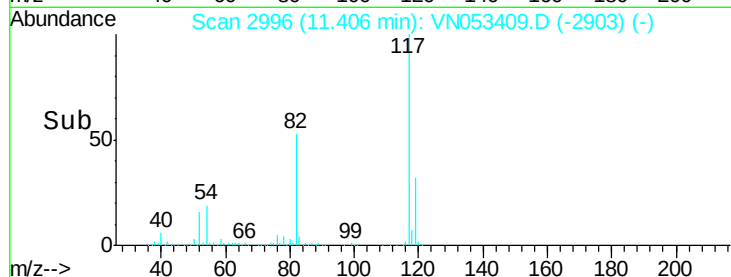
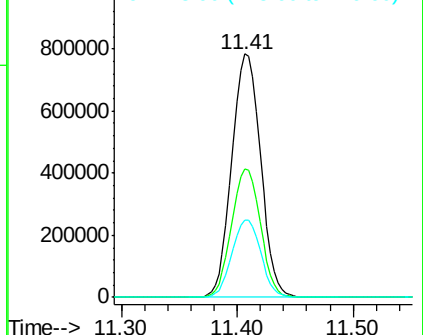
119 31.9 25.6 38.4



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: 0.986 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053409.D

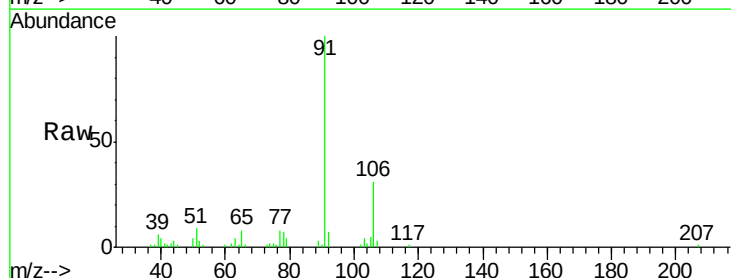
Acq: 15 Jan 2019 15:47

Tgt Ion: 91 Resp: 47991

Ion Ratio Lower Upper

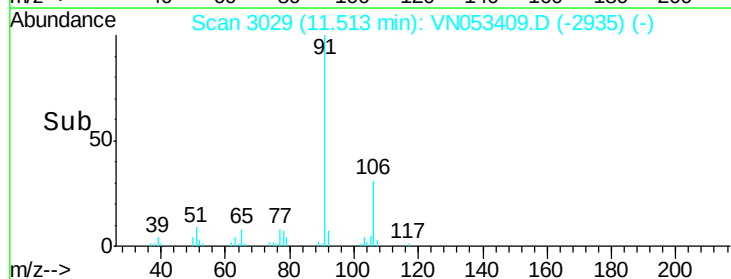
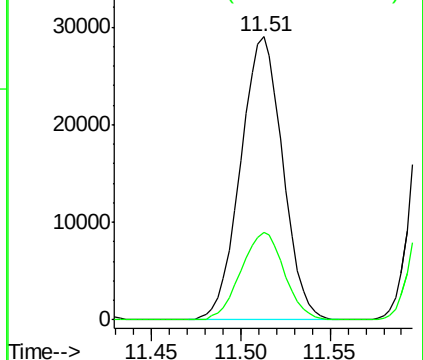
91 100

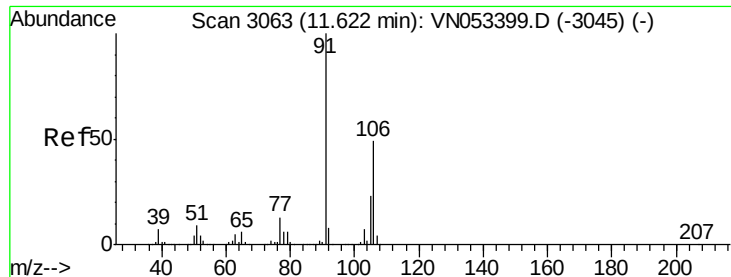
106 30.8 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

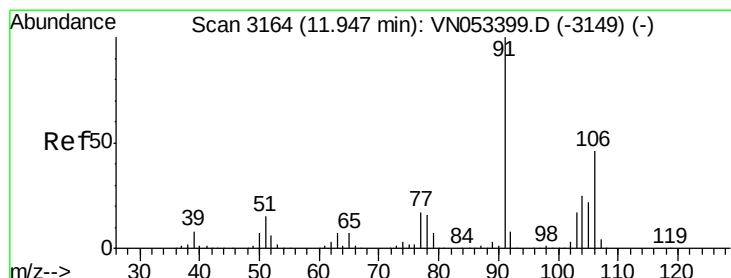
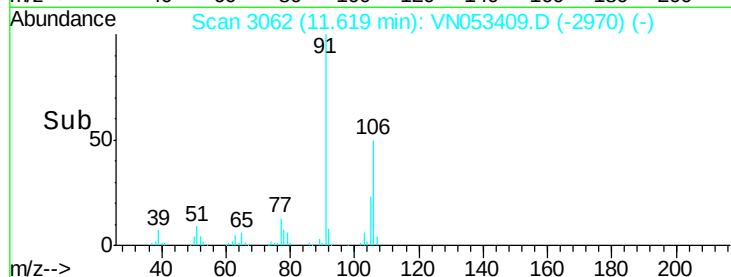
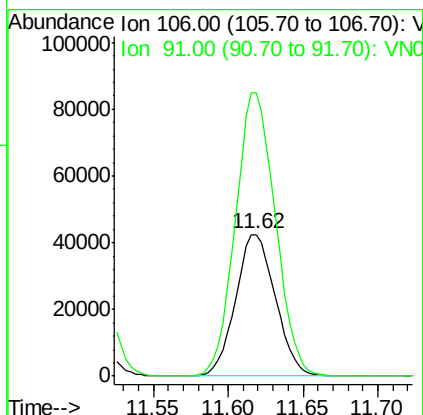
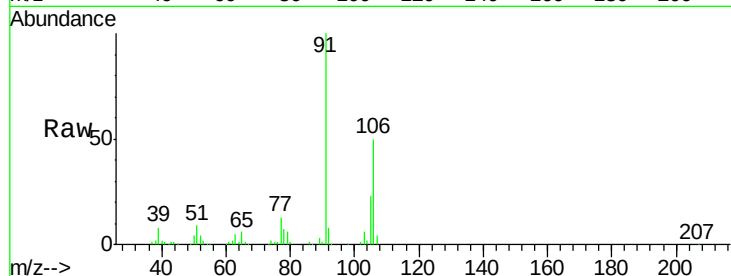




#68
m/p-Xylenes
Concen: 4.284 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

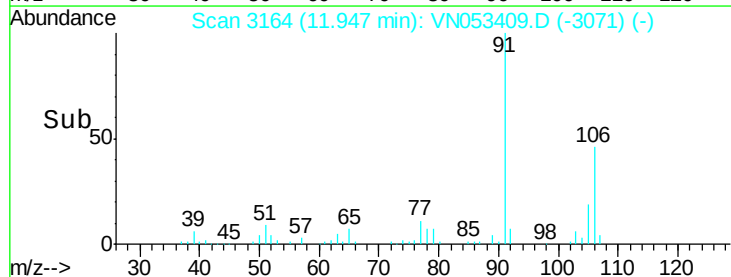
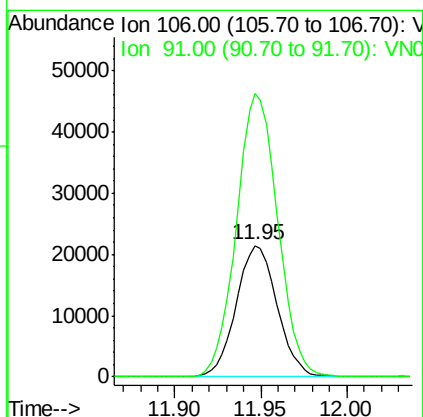
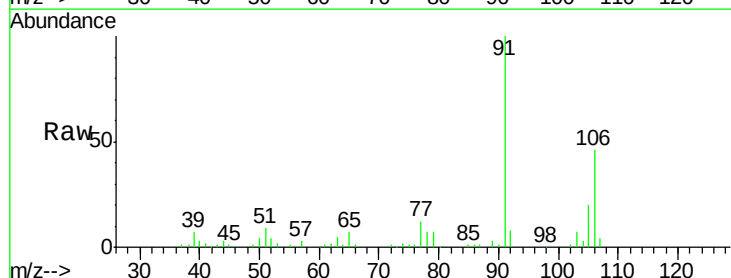
Instrument :
MSVOA_N
ClientSampled :
S-8

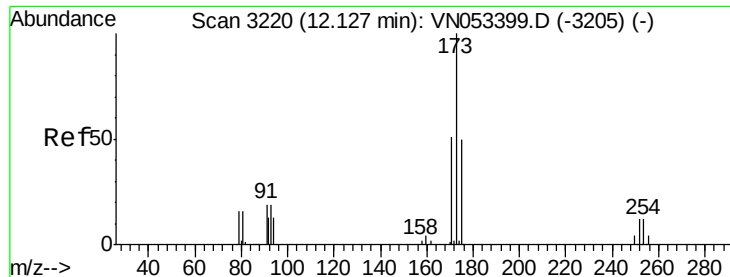
Tot Ion:106 Resp: 78704
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2



#69
o-Xylene
Concen: 1.988 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Tgt Ion:106 Resp: 35491
Ion Ratio Lower Upper
106 100
91 217.0 106.8 320.4

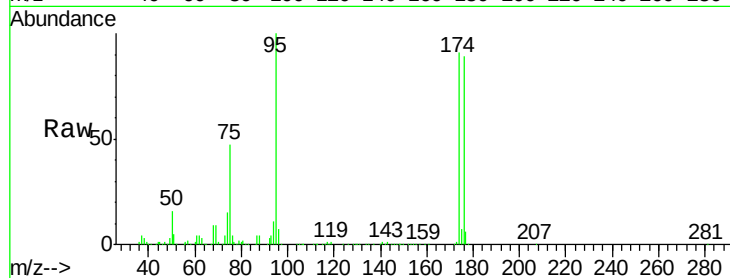




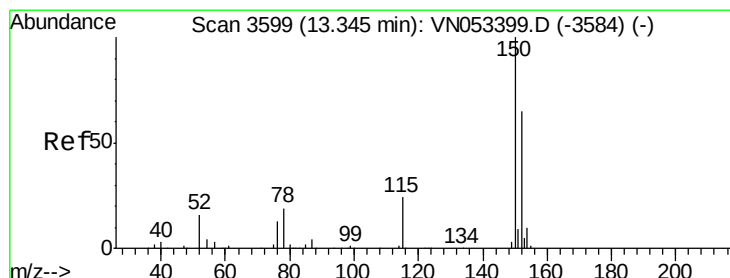
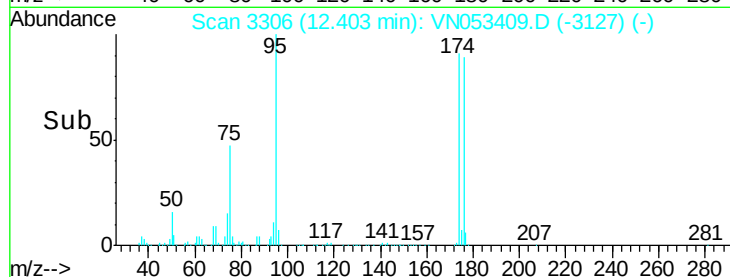
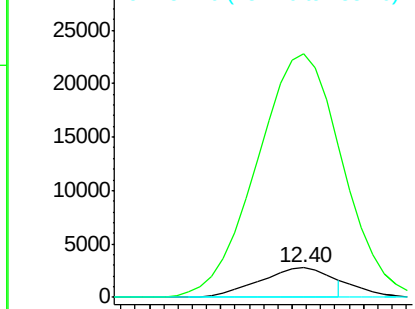
#71
Bromoform
Concen: 0.557 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Instrument :
MSVOA_N
ClientSampled :
S-8

Tot Ion:173 Resp: 3811
Ion Ratio Lower Upper
173 100
175 866.6 24.3 72.8#
254 0.0 0.2 0.2#

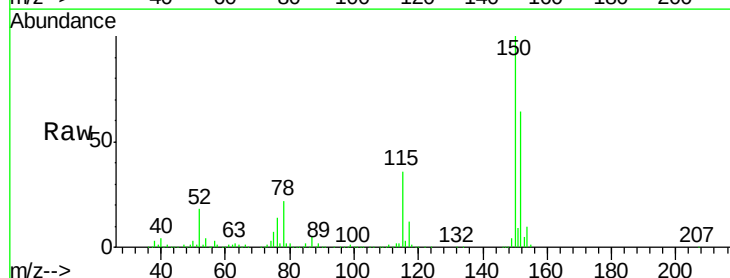


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

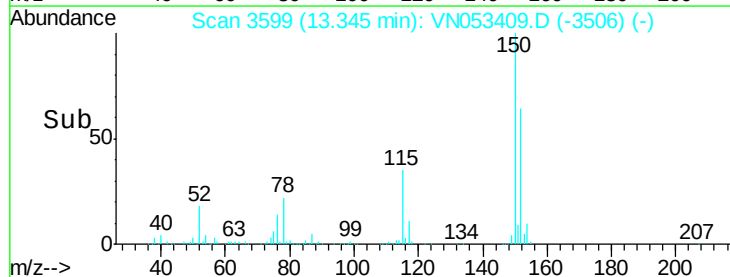
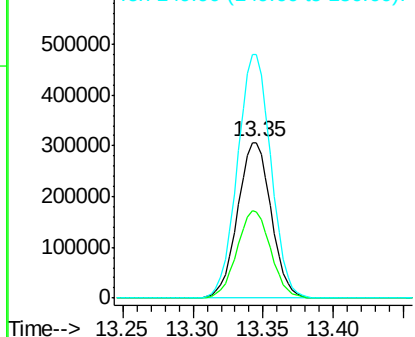


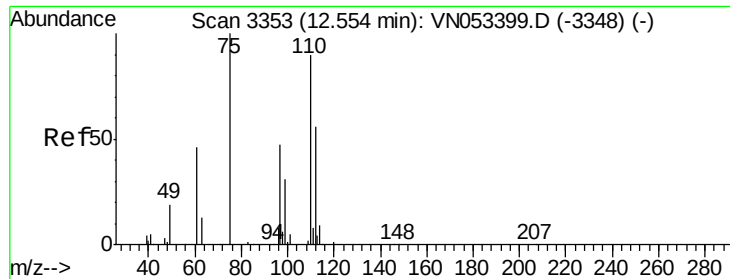
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053409.D
Acq: 15 Jan 2019 15:47

Tgt Ion:152 Resp: 511092
Ion Ratio Lower Upper
152 100
115 56.5 28.0 84.0
150 156.5 0.0 346.6



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





#76

1,2,3-Trichloropropane

Concen: 42.458 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

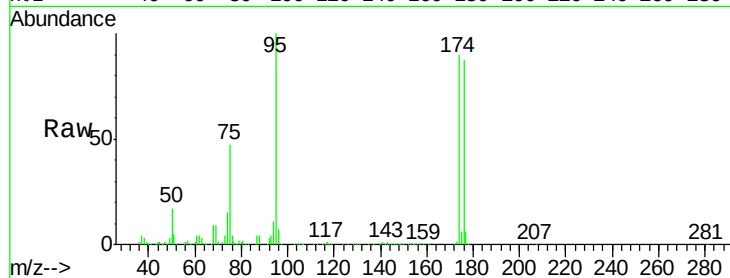
S-8

Tot Ion: 75 Resp: 273216

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

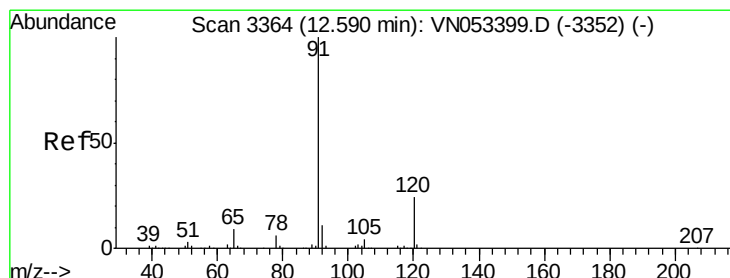
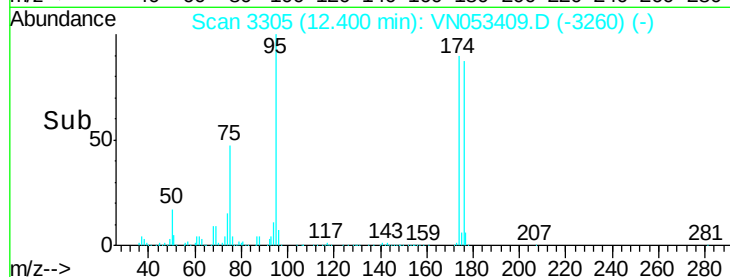
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 0.412 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053409.D

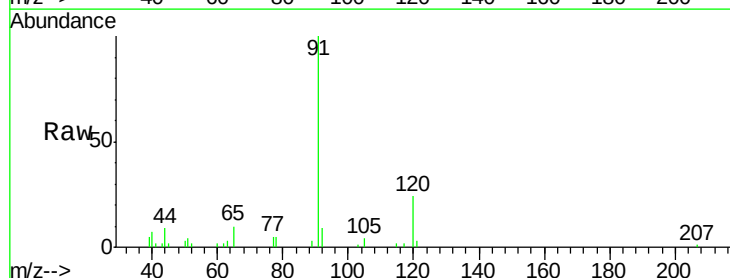
Acq: 15 Jan 2019 15:47

Tgt Ion: 91 Resp: 17700

Ion Ratio Lower Upper

91 100

120 23.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

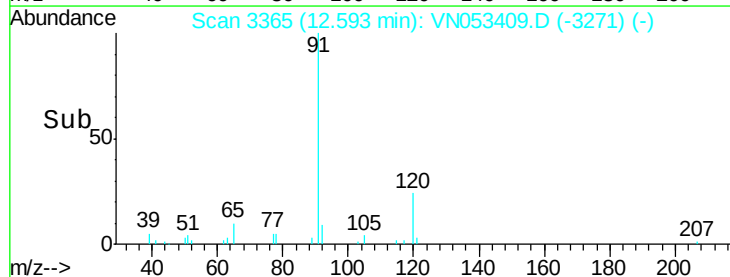
12.59

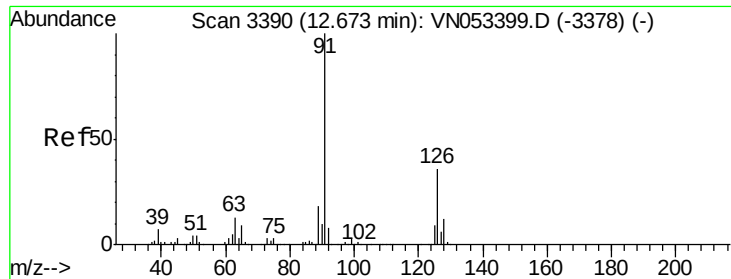
10000

5000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.300 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

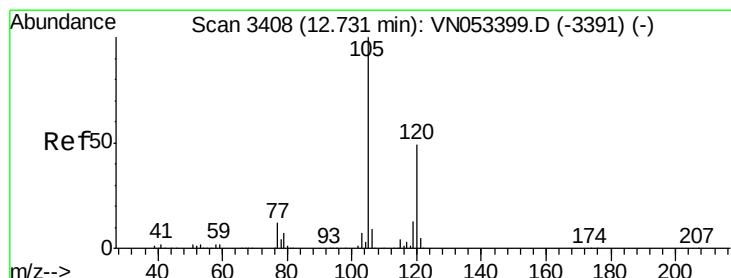
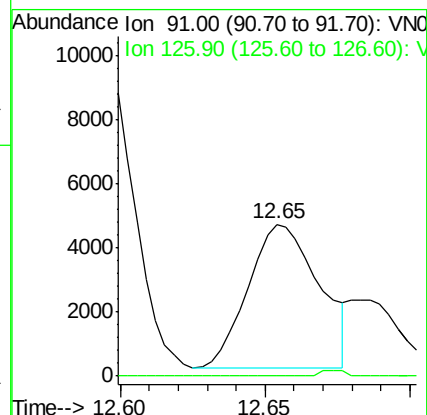
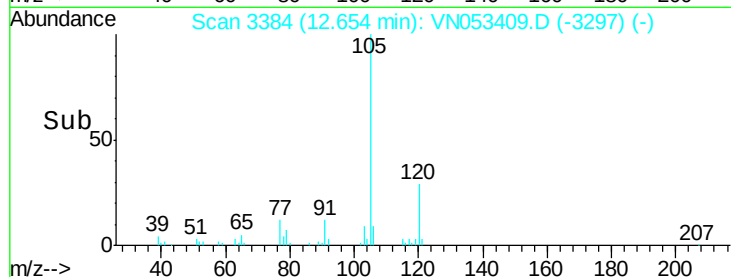
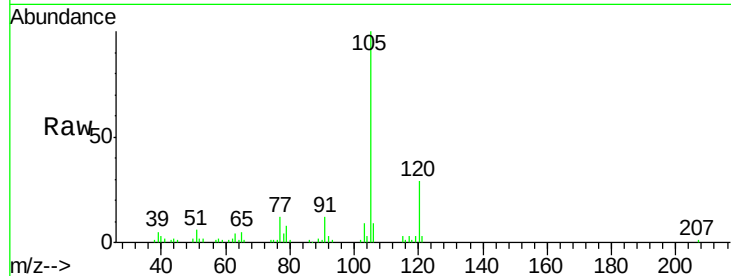
S-8

Tot Ion: 91 Resp: 7640

Ion Ratio Lower Upper

91 100

126 1.2 17.5 52.5#



#80

1,3,5-Trimethylbenzene

Concen: 1.390 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053409.D

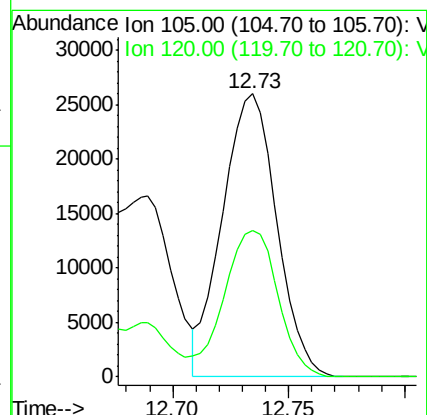
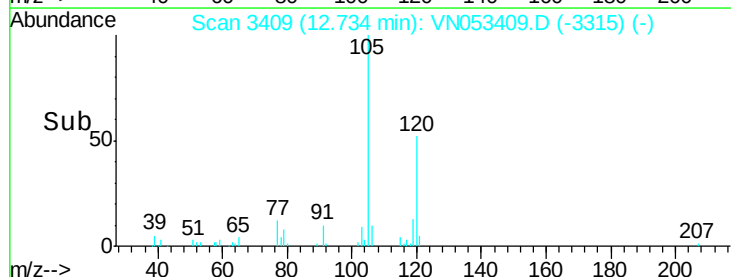
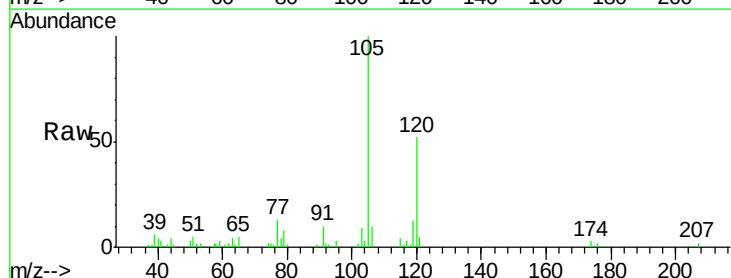
Acq: 15 Jan 2019 15:47

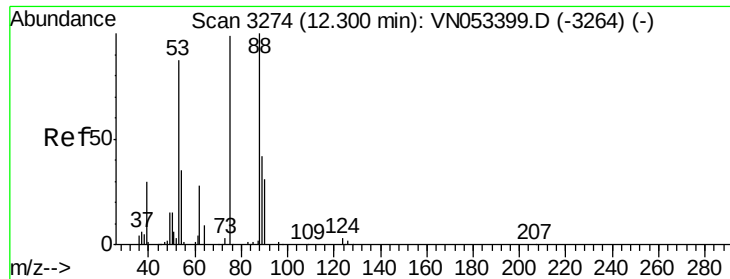
Tgt Ion: 105 Resp: 42336

Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 99.993 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

S-8

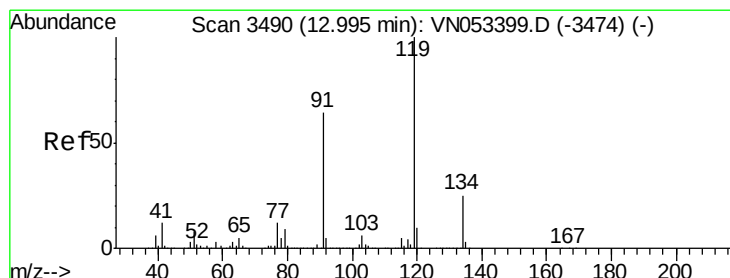
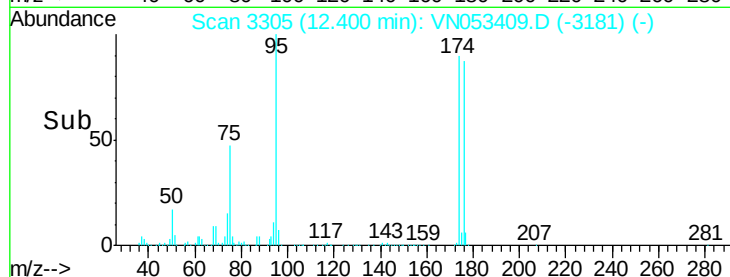
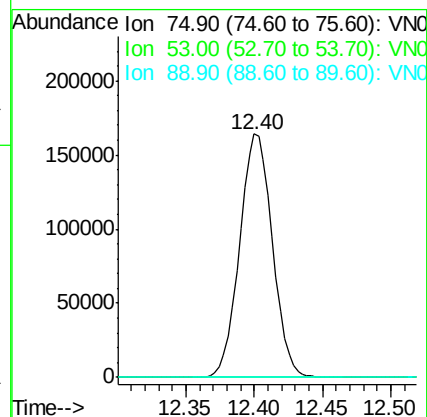
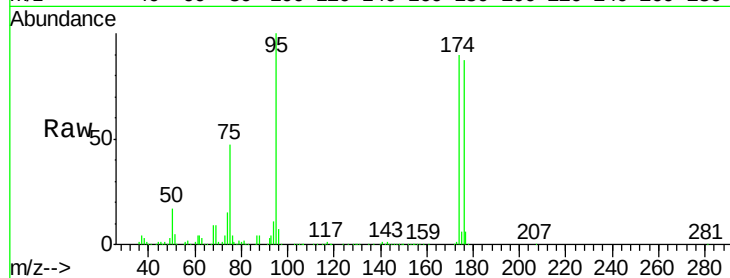
Tot Ion: 75 Resp: 273216

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#



#83

tert-Butylbenzene

Concen: 0.582 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

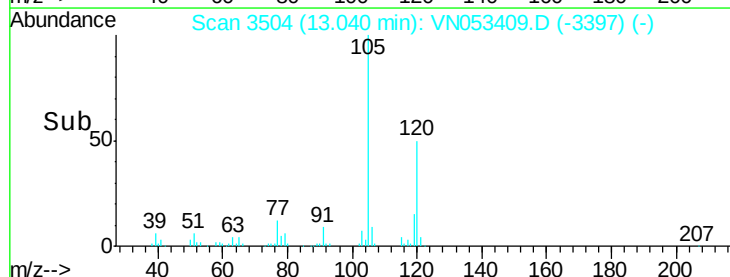
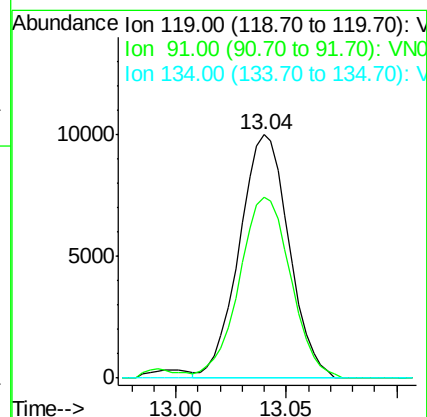
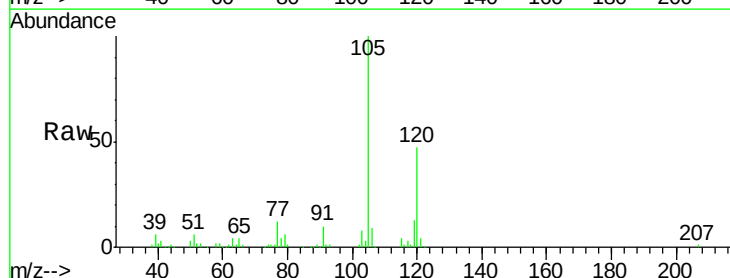
Tgt Ion: 119 Resp: 15663

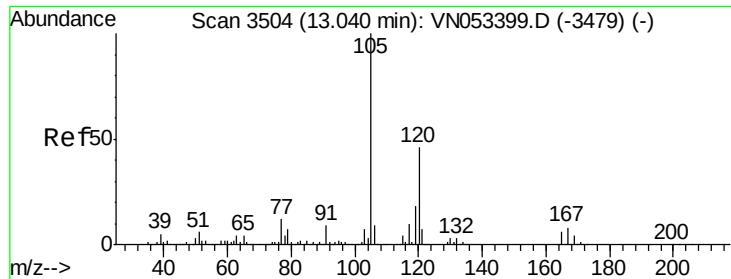
Ion Ratio Lower Upper

119 100

91 77.0 31.6 95.0

134 0.0 12.9 38.6#





#84

1,2,4-Trimethylbenzene

Concen: 4.034 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

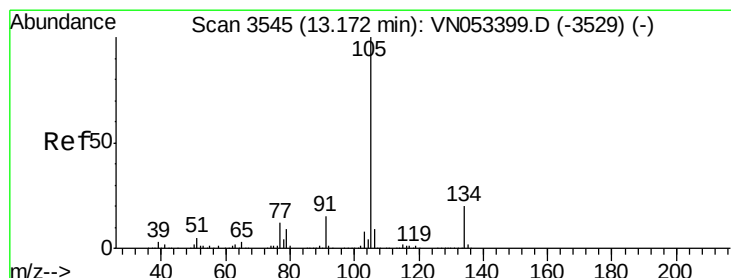
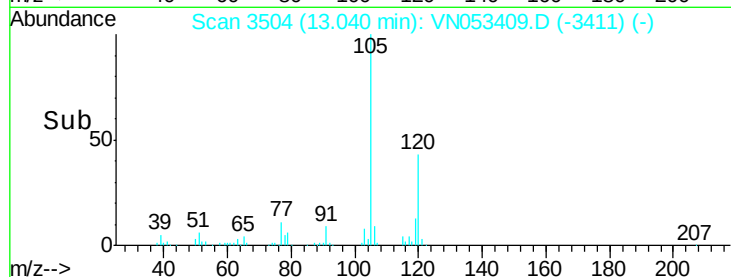
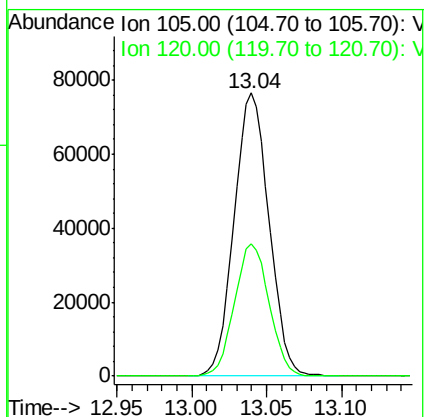
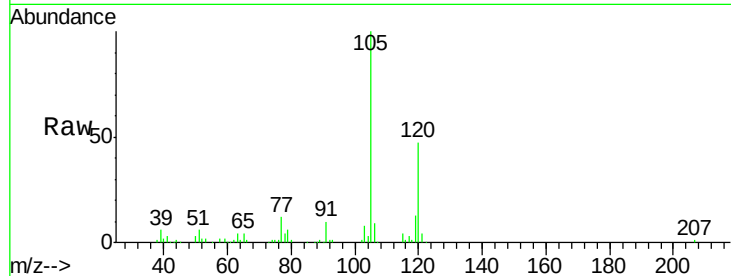
S-8

Tot Ion:105 Resp: 123860

Ion Ratio Lower Upper

105 100

120 46.6 23.0 69.0



#85

sec-Butylbenzene

Concen: 3.358 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053409.D

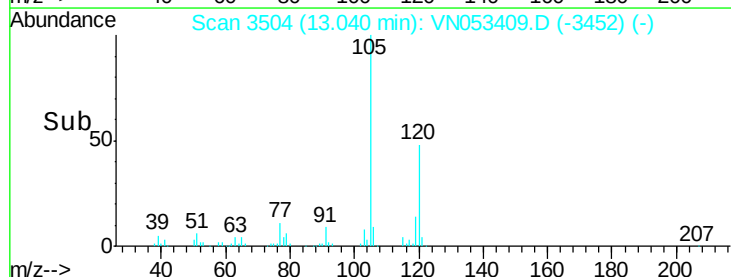
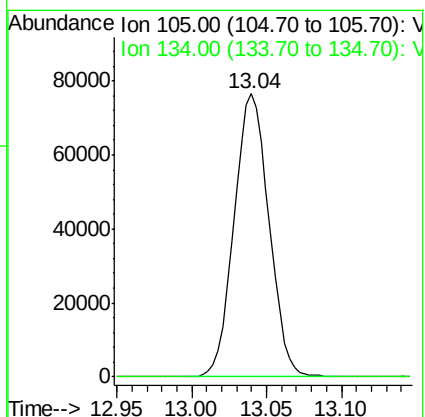
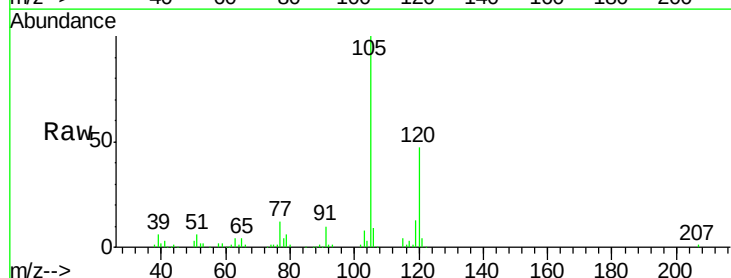
Acq: 15 Jan 2019 15:47

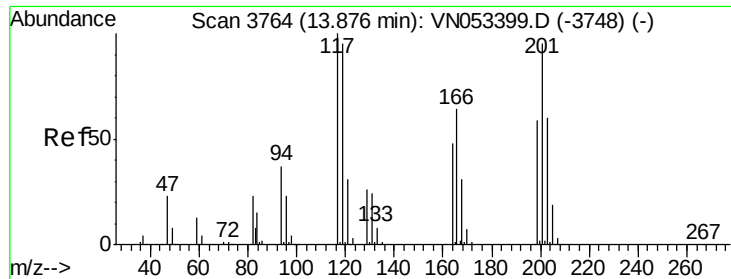
Tgt Ion:105 Resp: 123860

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





#90

Hexachloroethane

Concen: 0.245 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

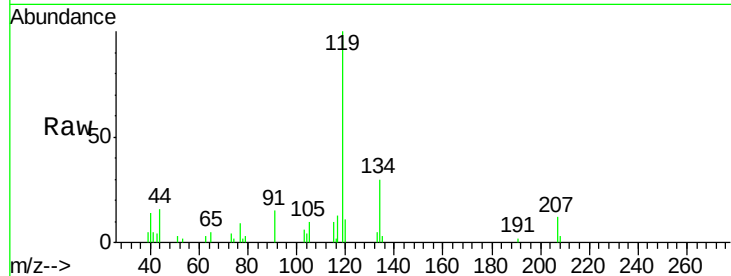
S-8

Tot Ion:117 Resp: 1231

Ion Ratio Lower Upper

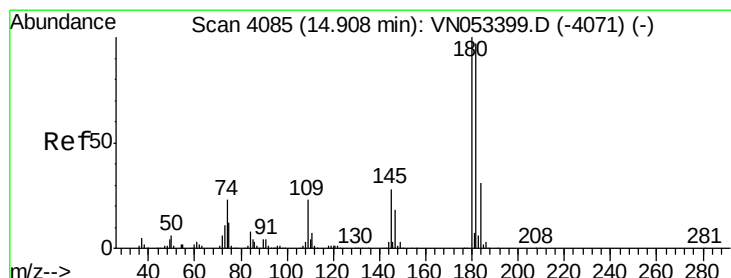
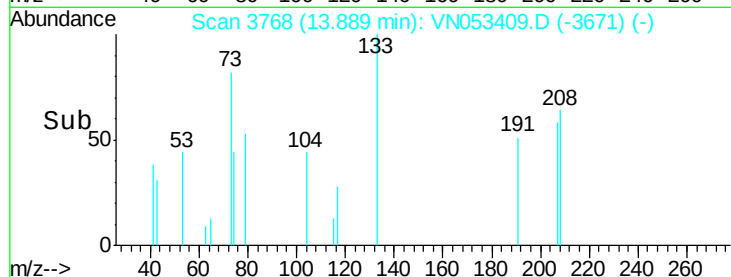
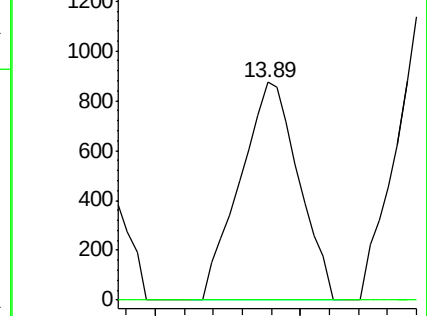
117 100

201 0.0 46.1 138.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.874 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

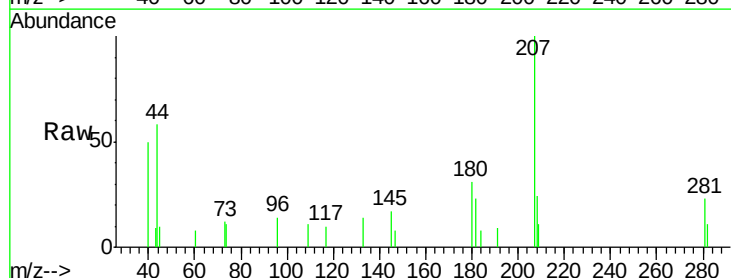
Tgt Ion:180 Resp: 801

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.4

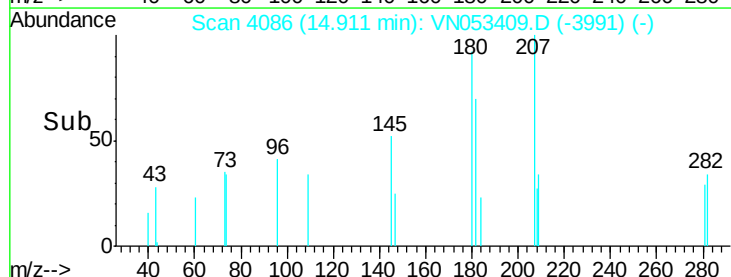
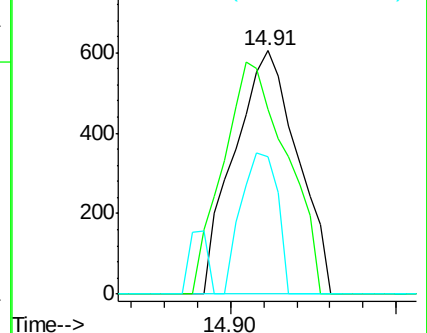
145 33.6 14.4 43.0

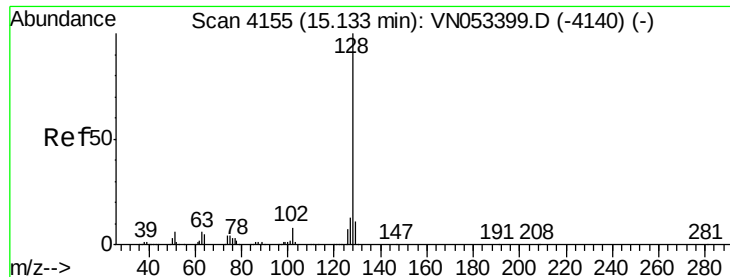


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.523 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

S-8

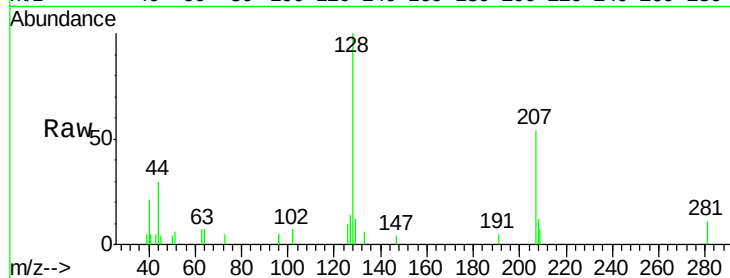
Tot Ion:128 Resp: 7839

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

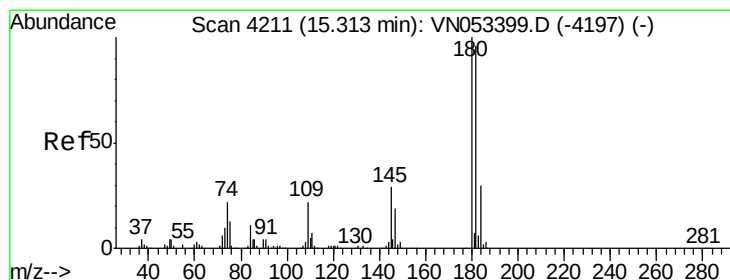
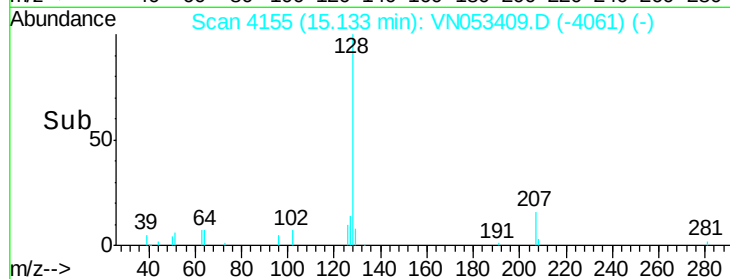
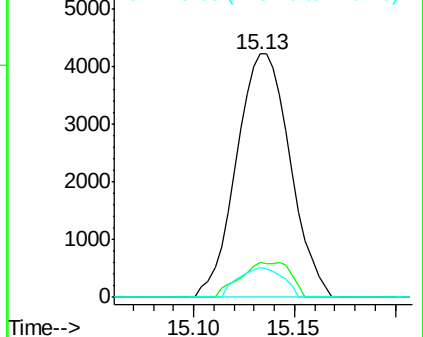
129 10.2 8.7 13.1



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: 4.051 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053409.D

Acq: 15 Jan 2019 15:47

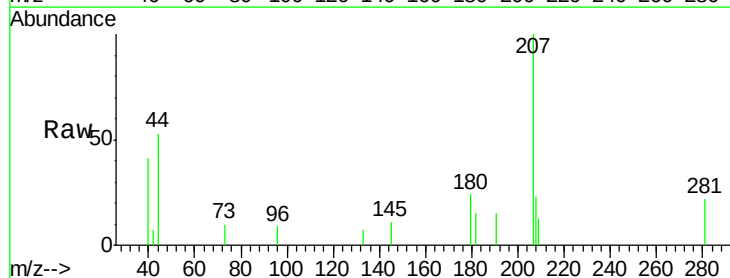
Tgt Ion:180 Resp: 823

Ion Ratio Lower Upper

180 100

182 67.3 48.4 145.0

145 14.8 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

