

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054905.D
 Acq On : 2 Apr 2019 16:43
 Operator : JC/SP
 Sample : K2190-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 05:07:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	514013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	858982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	749717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	343904	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.59	113	274111	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.09	98	1045969	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	328290	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
5) Bromomethane	2.59	94	29	Below Cal	#	2
13) Acrolein	3.61	56	70	0.217	ug/l #	1
16) Acetone	3.83	43	9940	6.016	ug/l #	84
18) Methyl Acetate	4.34	43	2444	Below Cal		97
20) Methylene Chloride	4.55	84	117054	20.083	ug/l #	85
25) 2-Butanone	6.86	43	501	0.205	ug/l #	71
29) Tetrahydrofuran	7.22	42	1653	0.974	ug/l #	41
30) Chloroform	7.37	83	5855	0.585	ug/l	96
31) Cyclohexane	7.67	56	11328	Below Cal	#	25
36) 1,1-Dichloropropene	7.67	75	39325	4.913	ug/l #	48
38) Carbon Tetrachloride	7.67	117	46680	6.005	ug/l #	18
40) Benzene	8.04	78	56755	2.478	ug/l	99
43) Isopropyl Acetate	8.17	43	15120	1.585	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	1600	0.245	ug/l #	43
48) Methyl methacrylate	9.18	41	6506	1.258	ug/l #	11
49) 1,4-Dioxane	9.27	88	73	1.423	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	6800	1.268	ug/l #	36
52) Toluene	10.16	92	38280	2.809	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	49098	5.723	ug/l #	70
57) 1,3-Dichloropropane	10.76	76	9427	1.082	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.54	63	30	10.364	ug/l #	44
59) 2-Hexanone	10.76	43	152976	44.566	ug/l #	47
67) Ethyl Benzene	11.51	91	34073	1.286	ug/l	93
68) m/p-Xylenes	11.62	106	58800	5.999	ug/l	95
69) o-Xylene	11.95	106	25745	2.678	ug/l	96
71) Bromoform	12.40	173	3085	0.958	ug/l #	1
74) N-amyl acetate	11.88	43	13792	1.939	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.40	83	92	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	169946	35.014	ug/l #	100
78) n-propylbenzene	12.59	91	9606	0.383	ug/l	97
79) 2-Chlorotoluene	12.65	91	5580	0.359	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	38977	2.080	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	169946	136.196	ug/l #	11
82) 4-Chlorotoluene	12.73	91	3064	0.203	ug/l #	39

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Quant Time: Apr 03 05:07:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

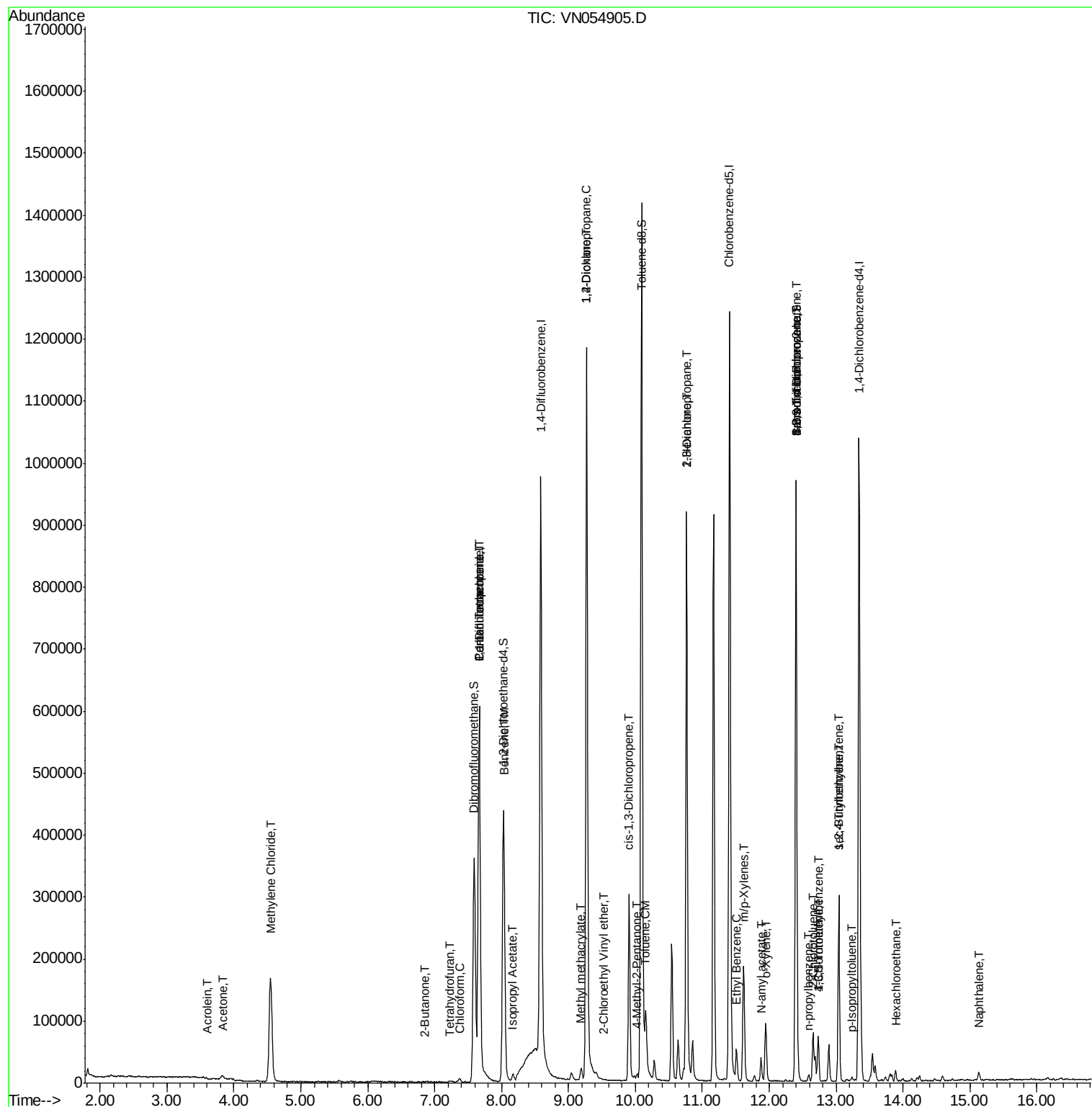
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
83) tert-Butylbenzene	13.23	119	3668	Below Cal	70
84) 1,2,4-Trimethylbenzene	13.04	105	168661	9.448 ug/l	96
85) sec-Butylbenzene	13.04	105	168661	8.286 ug/l #	55
86) p-Isopropyltoluene	13.23	119	3668	0.204 ug/l	85
90) Hexachloroethane	13.89	117	1001	0.328 ug/l #	2
95) Naphthalene	15.13	128	10566	1.049 ug/l	97

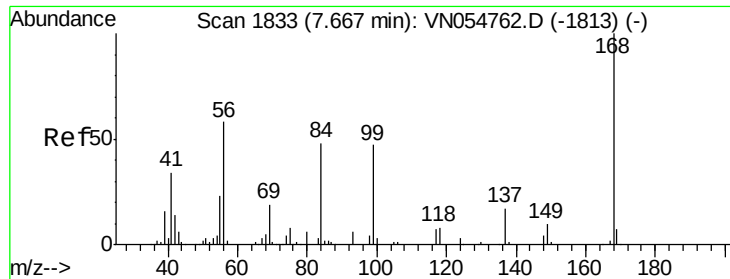
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040219\
Data File : VN054905.D
Acq On : 2 Apr 2019 16:43
Operator : JC/SP
Sample : K2190-03
Misc : 5.00mL/MSVOA N/WATER
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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: VN054905.D

Acq: 2 Apr 2019 16:43

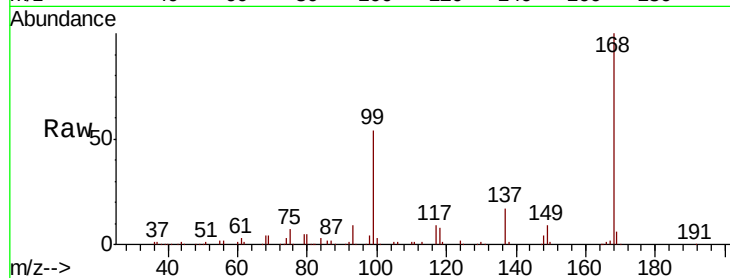
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 514013

Ion Ratio Lower Upper

168 100

99 54.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

250000

200000

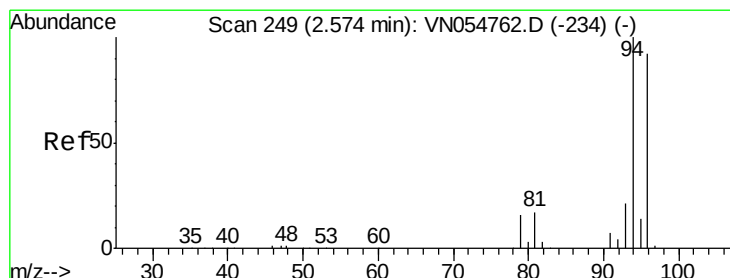
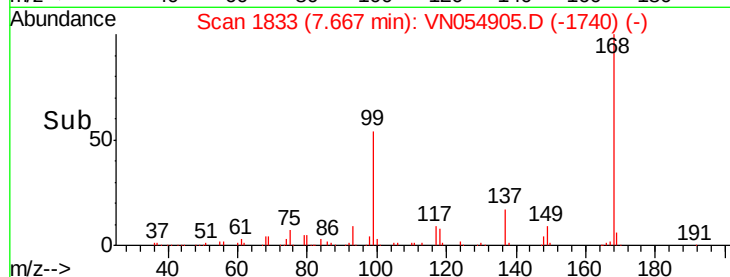
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 255

Delta R.T. 0.02 min

Lab File: VN054905.D

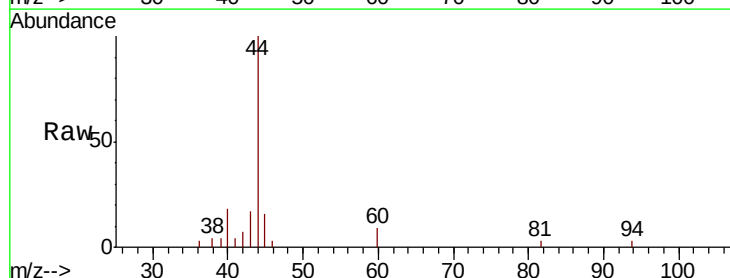
Acq: 2 Apr 2019 16:43

Tgt Ion: 94 Resp: 29

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

2.59

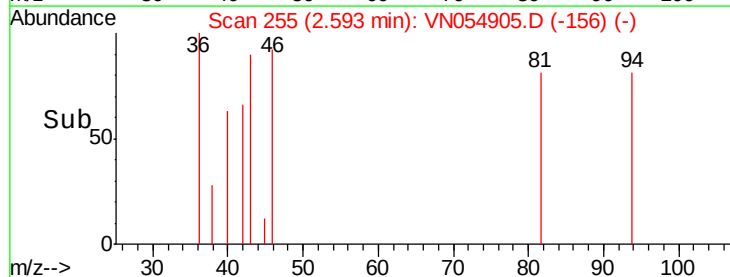
150

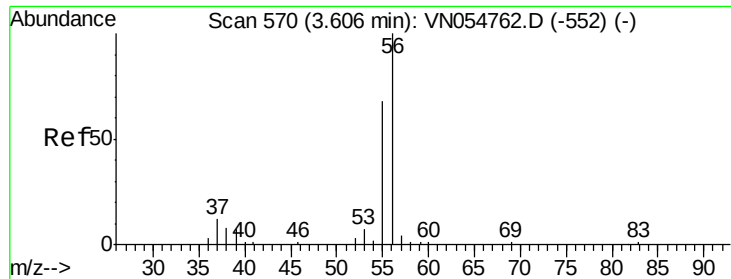
100

50

0

Time-->

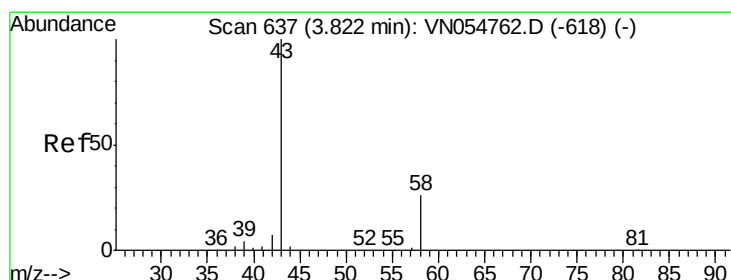
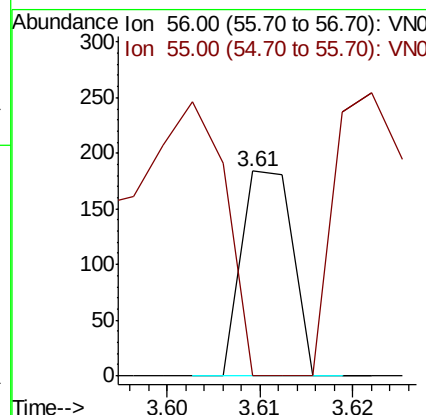
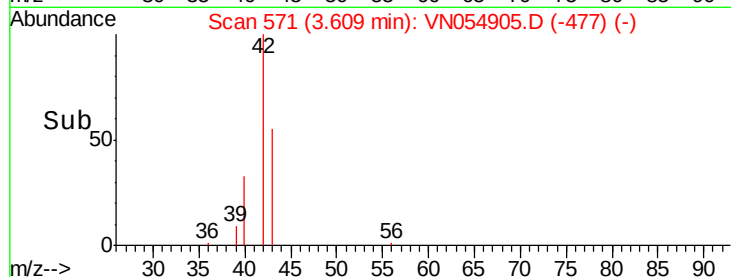
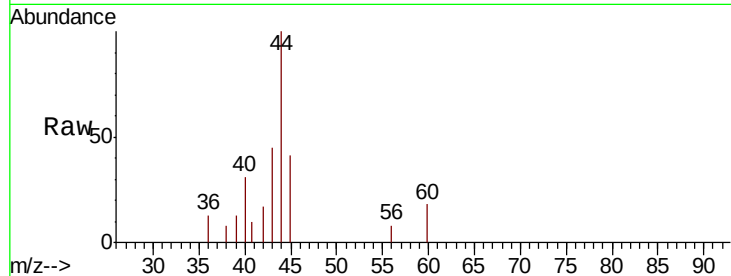




#13
Acrolein
Concen: 0.217 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

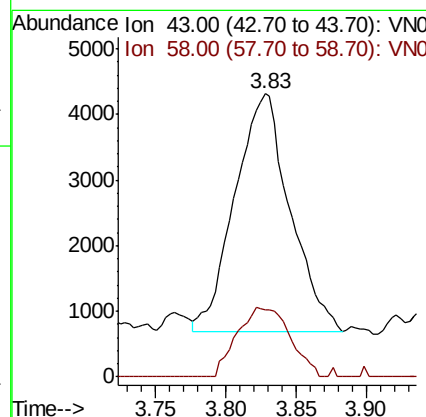
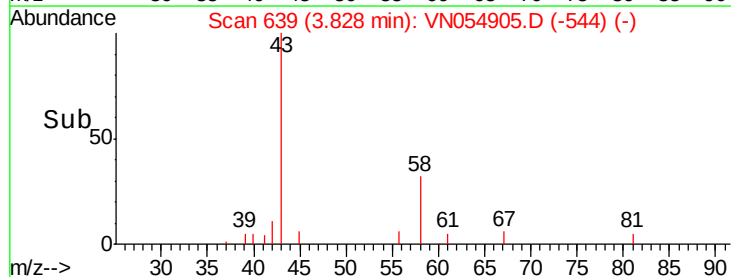
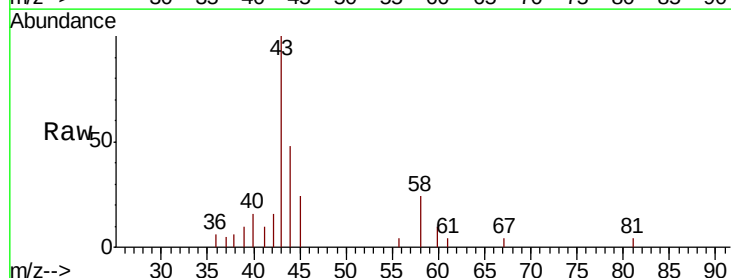
Instrument :
MSVOA_N
ClientSampleId :

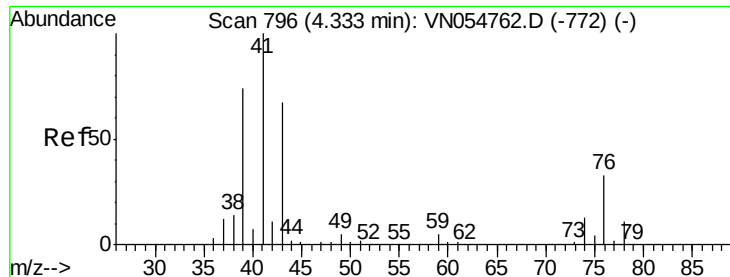
Tot Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 308.6 56.7 85.1#



#16
Acetone
Concen: 6.016 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion: 43 Resp: 9940
Ion Ratio Lower Upper
43 100
58 28.0 29.9 44.9#

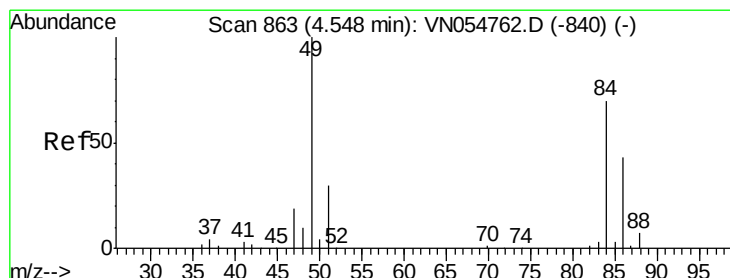
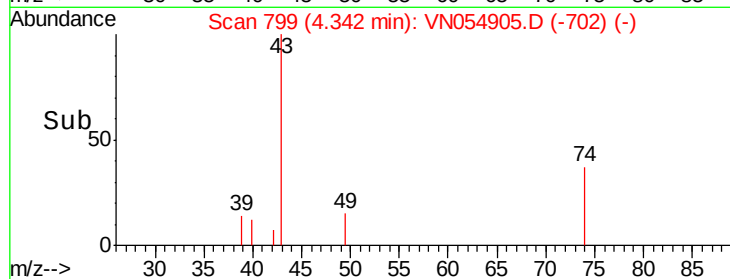
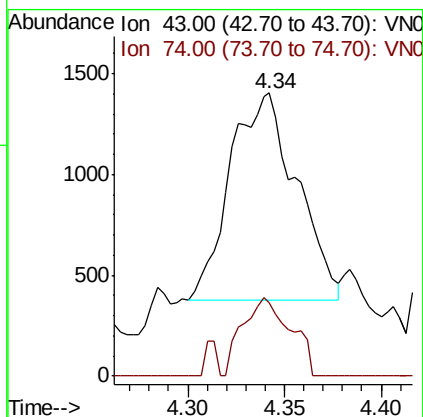
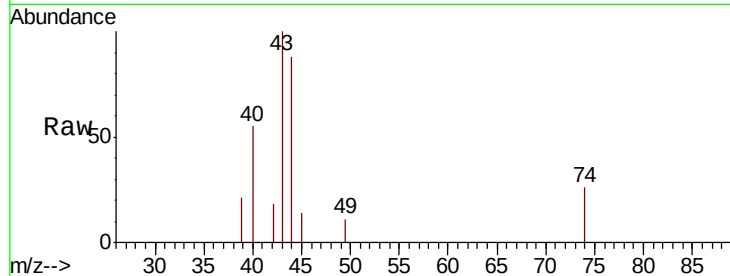




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

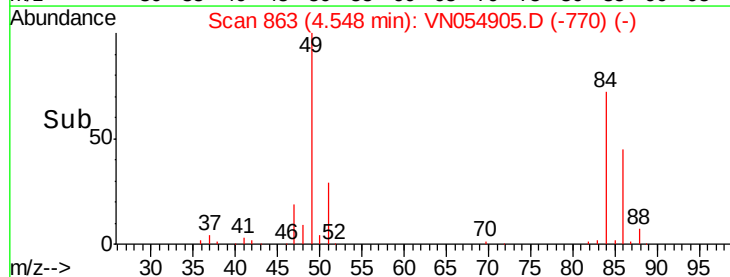
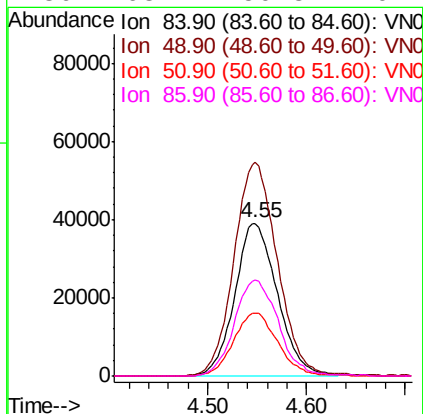
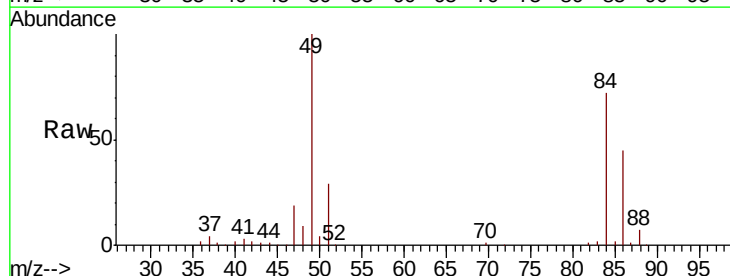
Instrument :
MSVOA_N
ClientSampleId :

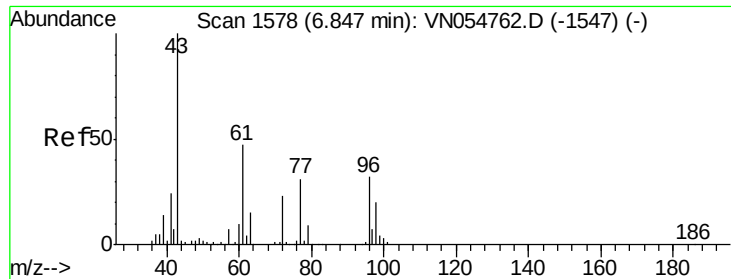
Tot Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
74 27.5 20.8 31.2



#20
Methylene Chloride
Concen: 20.083 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion: 84 Resp: 117054
Ion Ratio Lower Upper
84 100
49 139.0 89.7 134.5#
51 41.1 28.2 42.4
86 63.2 50.8 76.2





#25

2-Butanone

Concen: 0.205 ug/l

RT: 6.86 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

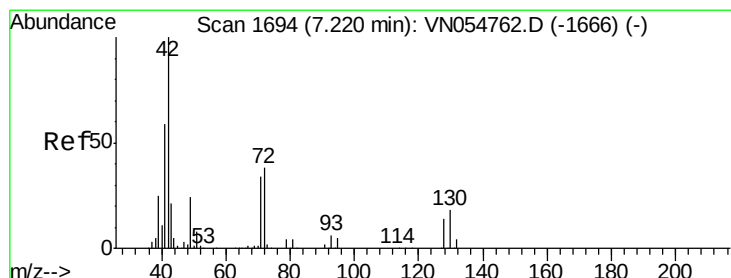
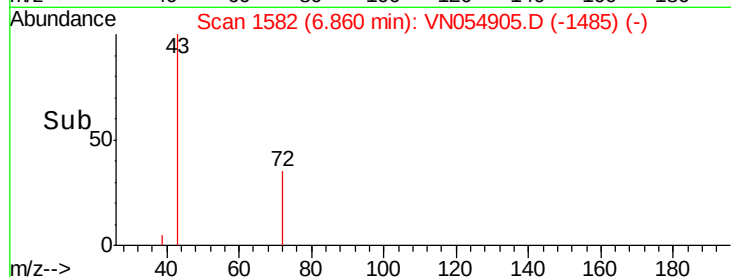
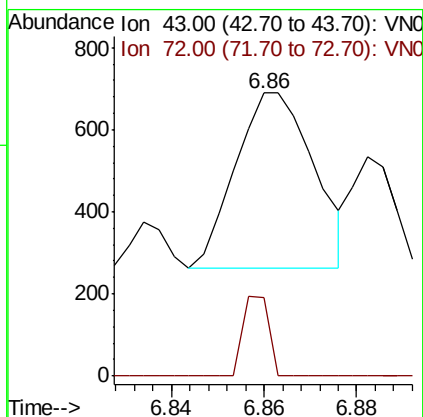
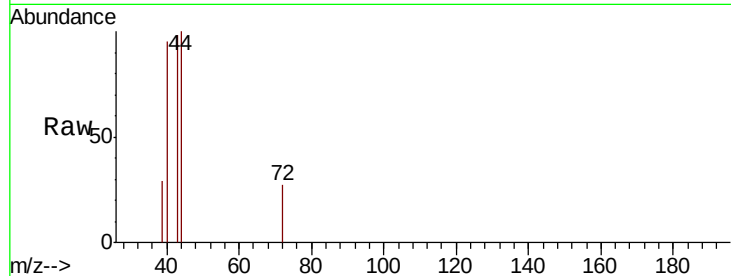
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

72 44.5 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

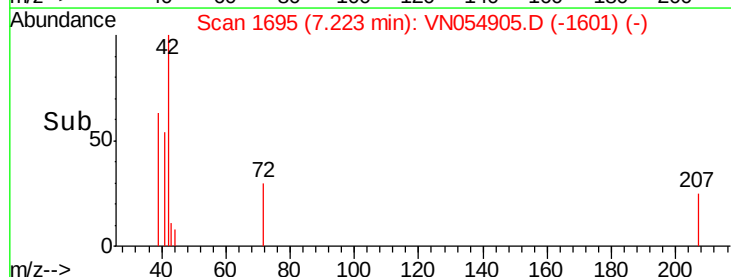
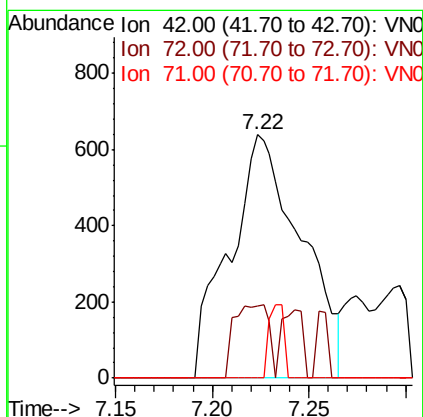
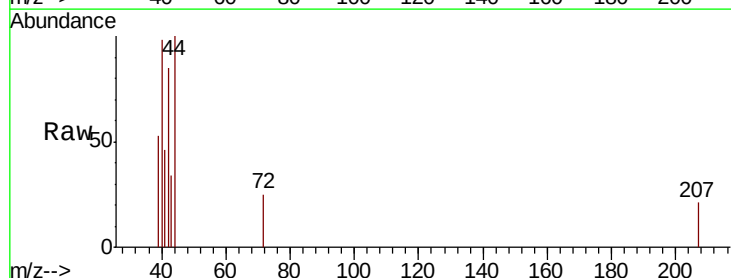
Tgt Ion: 42 Resp: 1653

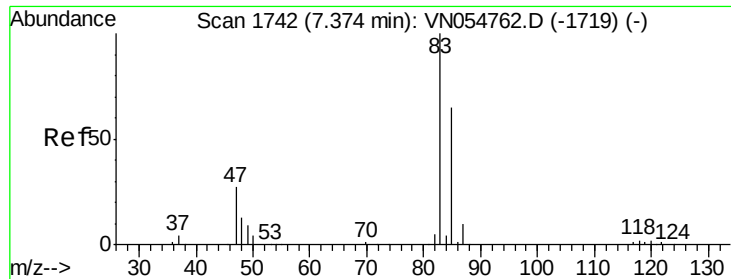
Ion Ratio Lower Upper

42 100

72 14.3 37.8 56.6#

71 0.0 36.2 54.2#

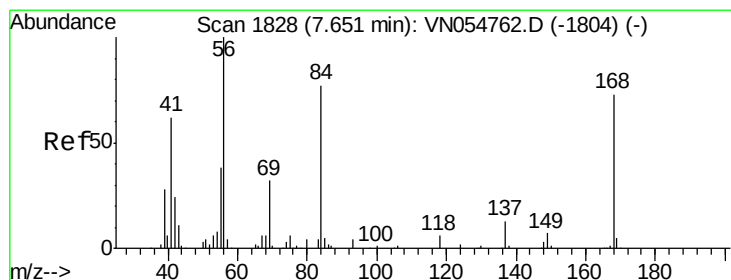
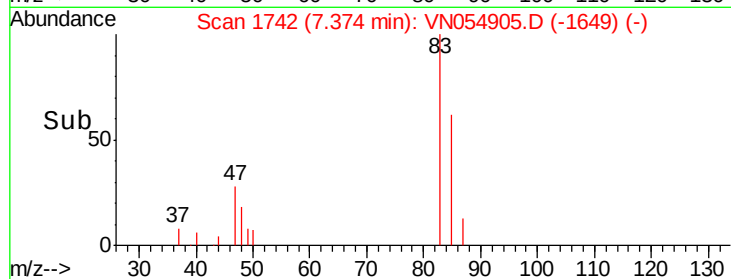
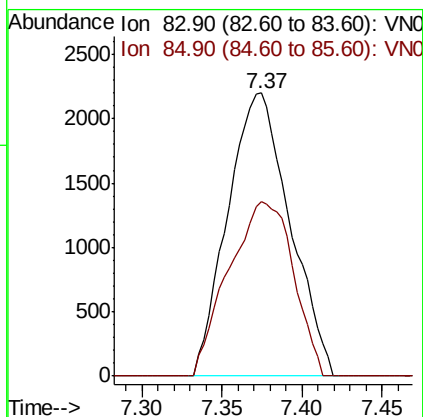
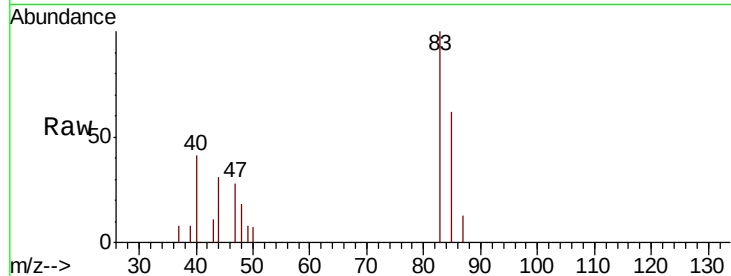




#30
Chloroform
Concen: 0.585 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

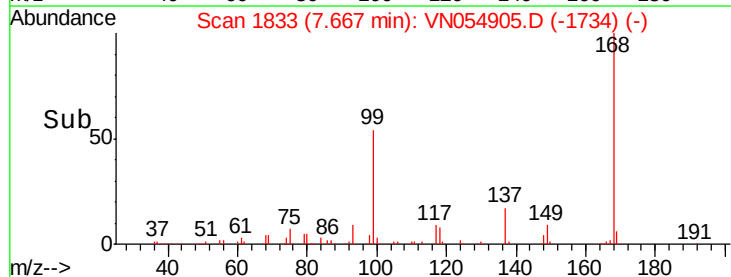
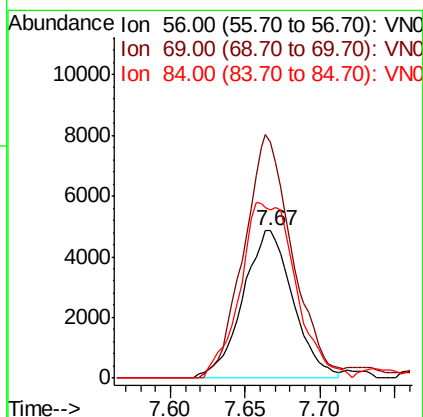
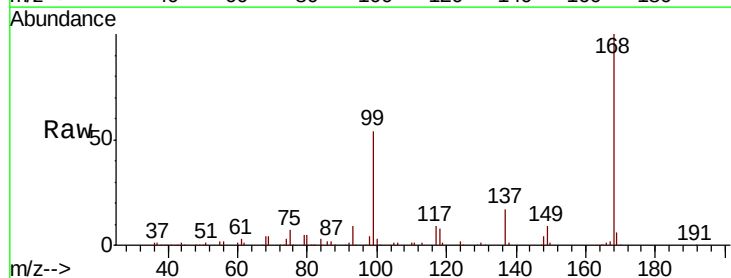
Instrument :
MSVOA_N
ClientSampled :

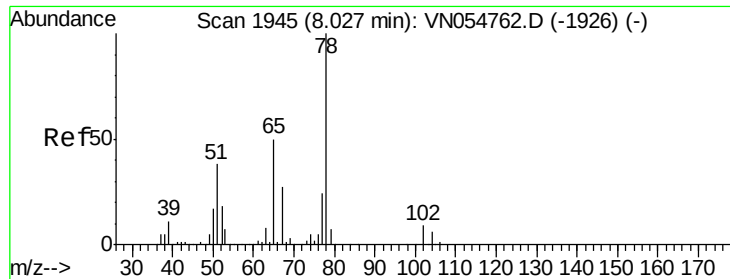
Tot Ion: 83 Resp: 5855
Ion Ratio Lower Upper
83 100
85 61.8 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion: 56 Resp: 11328
Ion Ratio Lower Upper
56 100
69 160.0 27.8 41.6#
84 114.4 74.6 111.8#

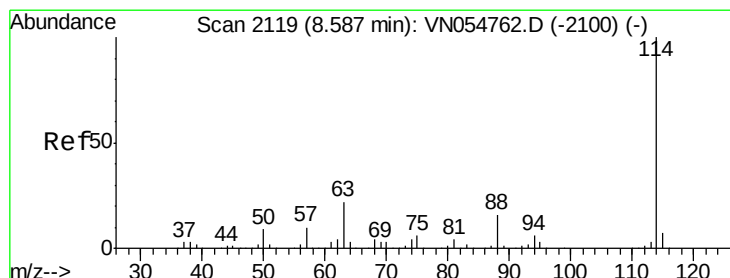
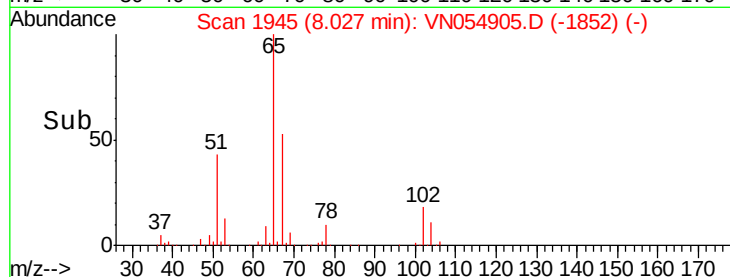
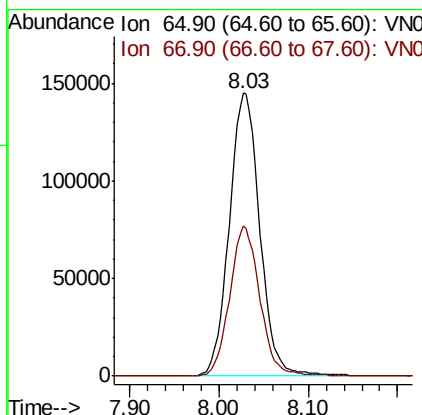
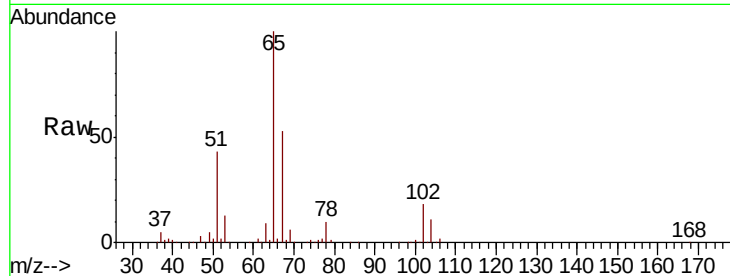




#33
 1,2-Dichloroethane-d4
 Concen: 49.632 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

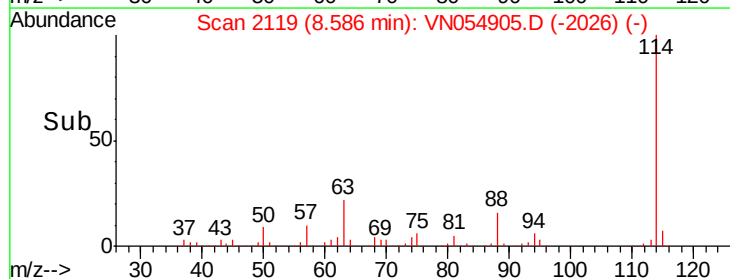
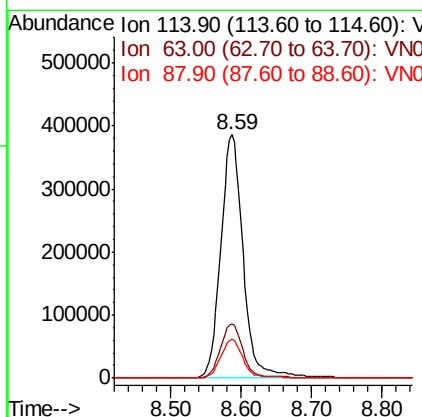
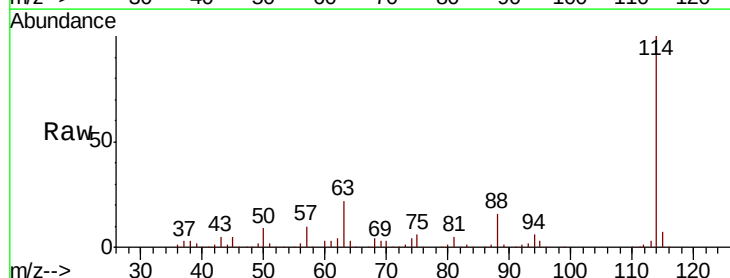
Instrument :
 MSVOA_N
 ClientSampleId :

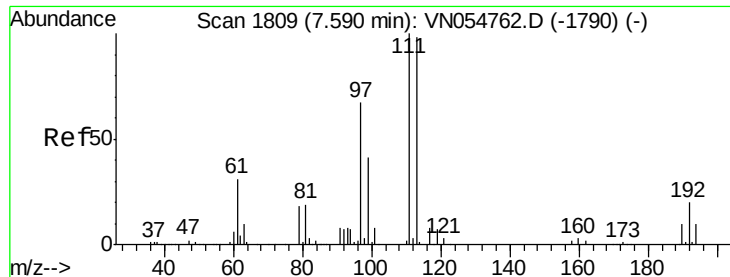
Tot Ion: 65 Resp: 343904
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

Tgt Ion: 114 Resp: 858982
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.9 0.0 30.2

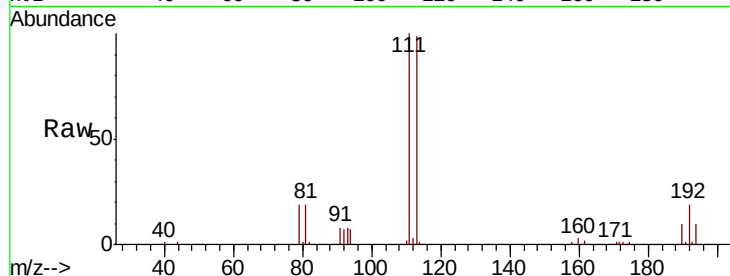




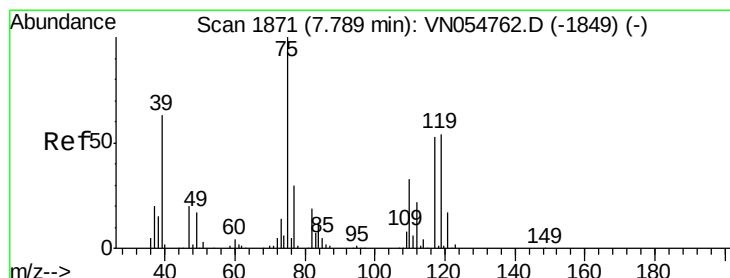
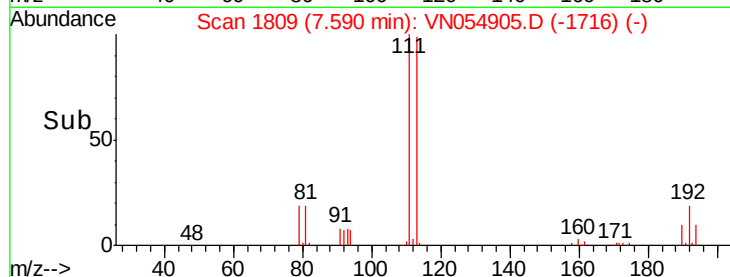
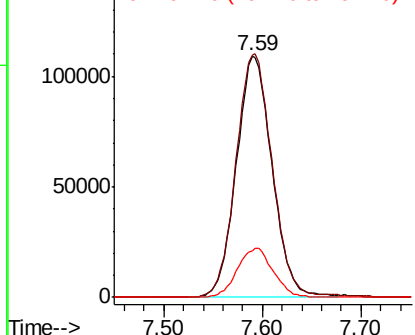
#35
 Dibromofluoromethane
 Concen: 47.865 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 274111
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 20.5 19.2 28.8

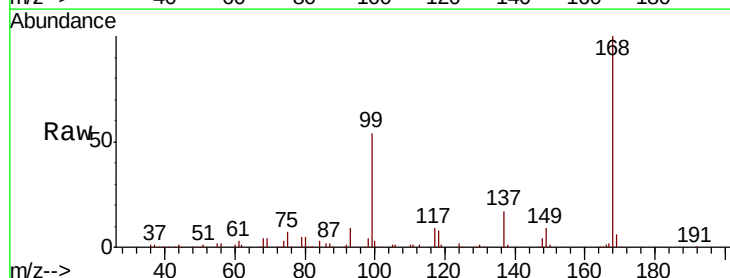


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

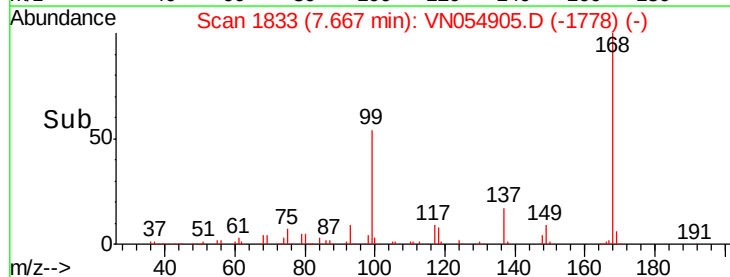
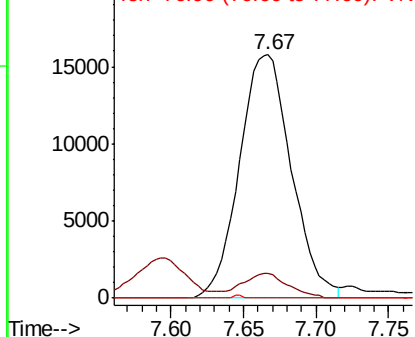


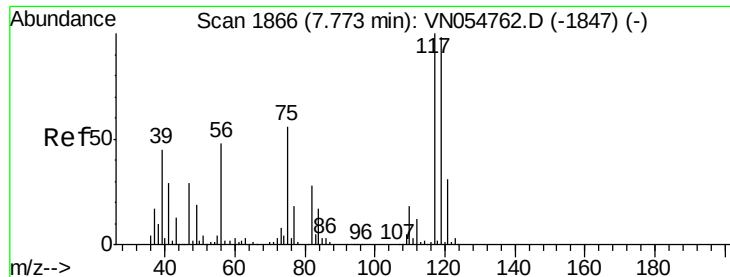
#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

Tgt Ion: 75 Resp: 39325
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.1 57.5#
 77 0.0 25.0 37.4#



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





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

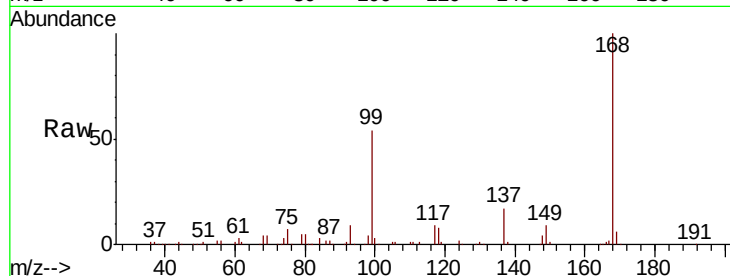
Tot Ion:117 Resp: 46680

Ion Ratio Lower Upper

117 100

119 7.0 76.3 114.5#

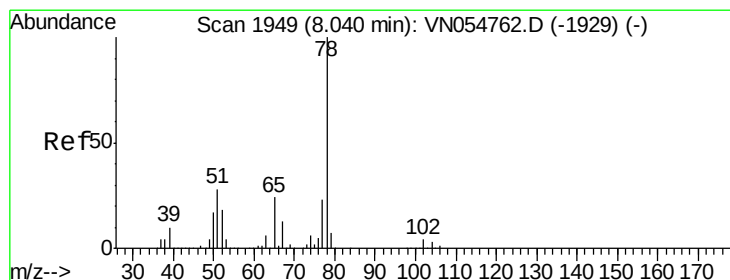
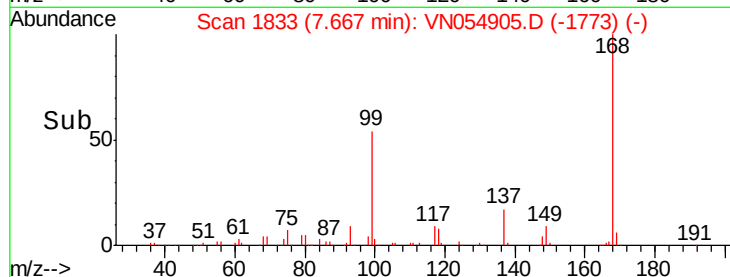
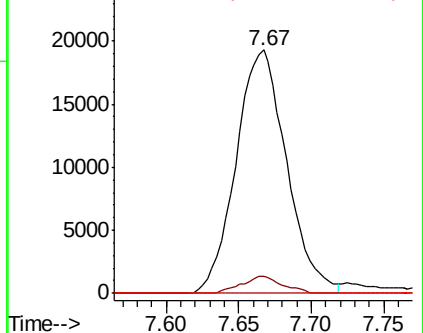
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 2.478 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054905.D

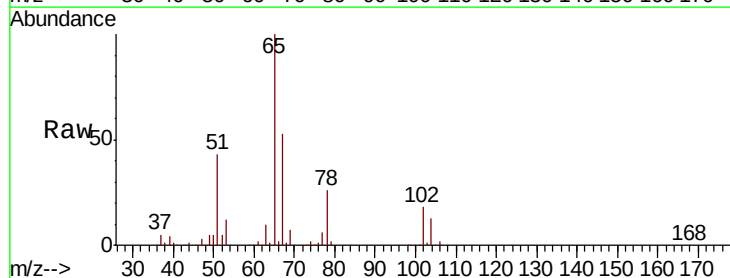
Acq: 2 Apr 2019 16:43

Tgt Ion: 78 Resp: 56755

Ion Ratio Lower Upper

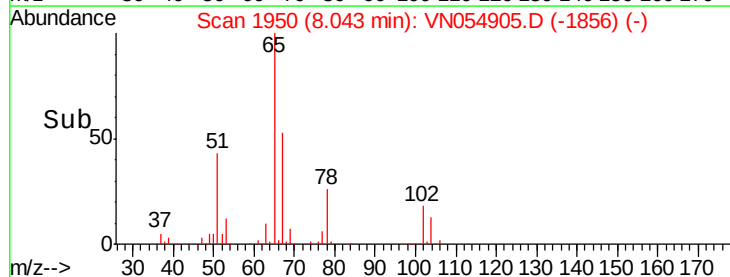
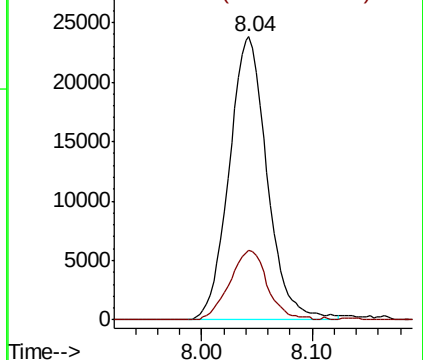
78 100

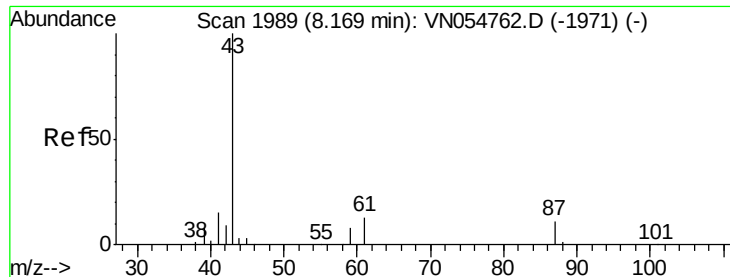
77 24.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 1.585 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

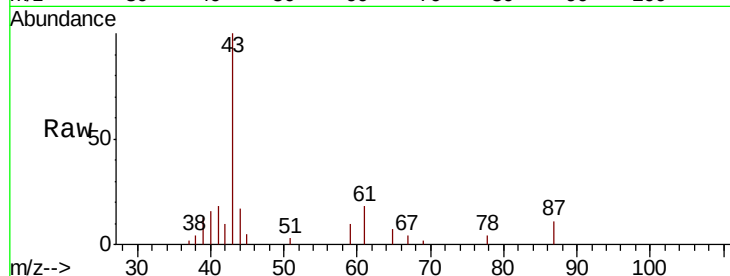
Tot Ion: 43 Resp: 15120

Ion Ratio Lower Upper

43 100

61 9.4 15.8 23.8#

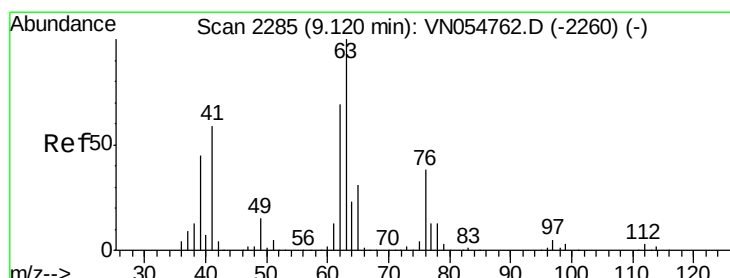
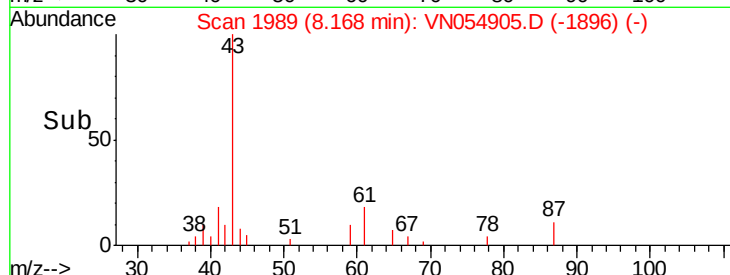
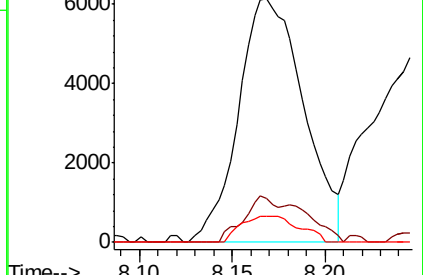
87 9.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)



#45

1,2-Dichloropropane

Concen: 0.245 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN054905.D

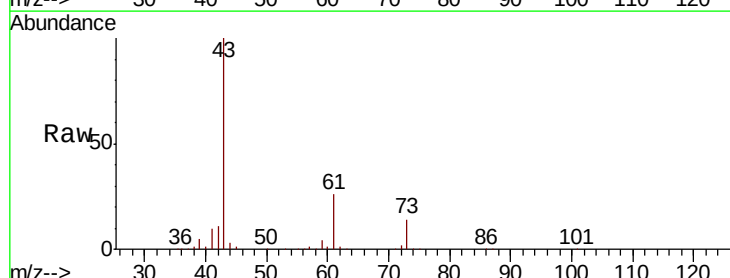
Acq: 2 Apr 2019 16:43

Tgt Ion: 63 Resp: 1600

Ion Ratio Lower Upper

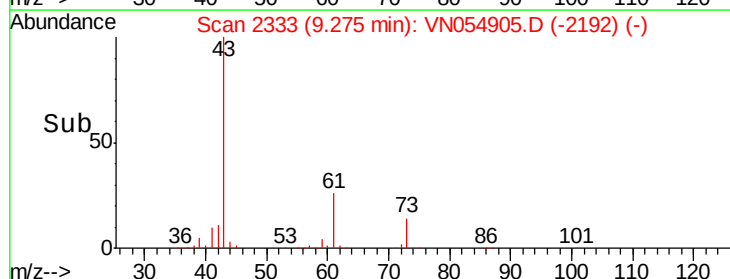
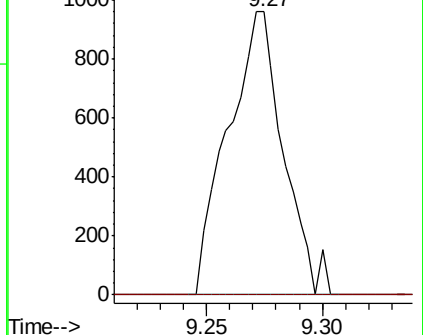
63 100

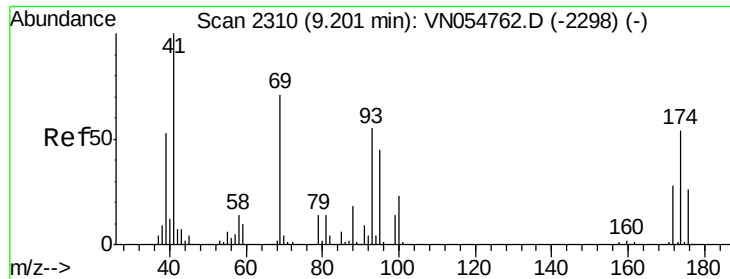
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN054762.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN054762.D (-2260) (-)

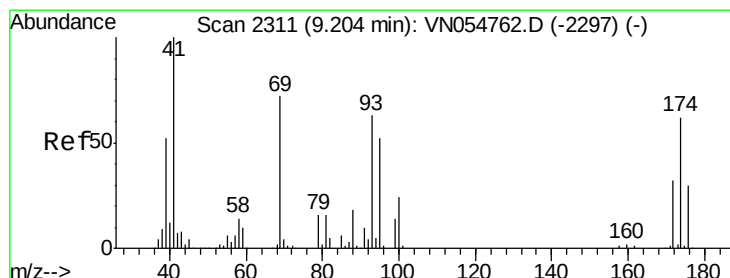
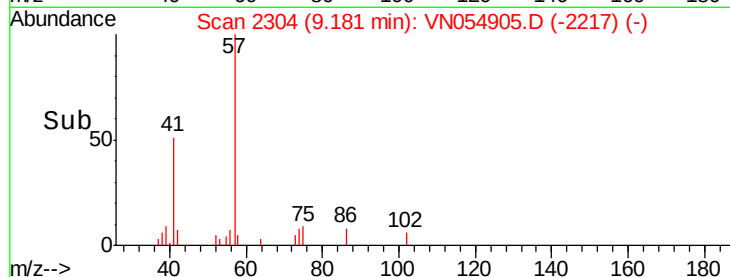
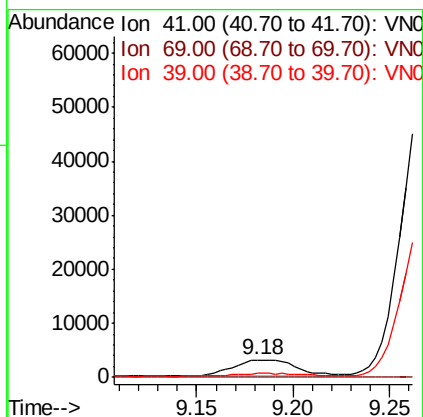
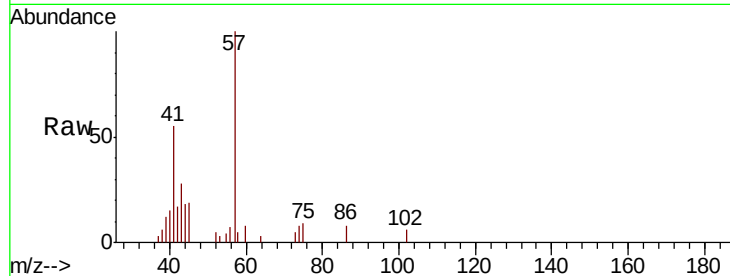




#48
Methvl methacrylate
Concen: 1.258 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

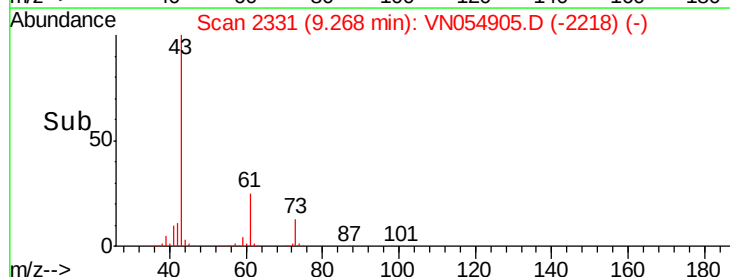
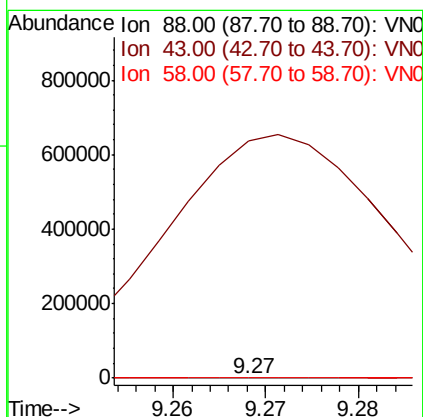
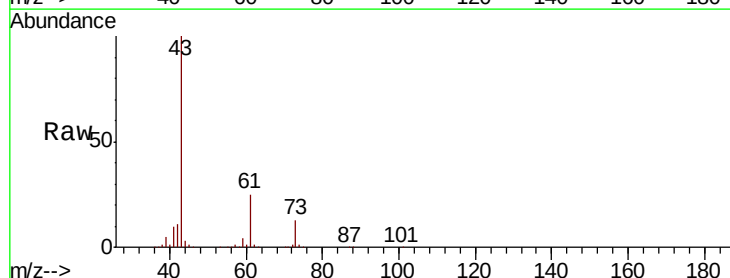
Instrument :
MSVOA_N
ClientSampled :

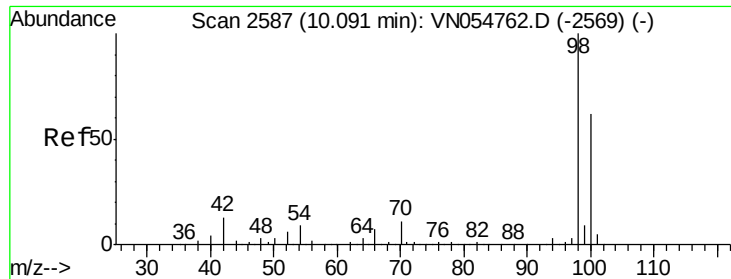
Tot Ion: 41 Resp: 6506
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 1.423 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.06 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1773787.7 24.1 36.1#
58 7391.8 50.8 76.2#





#50

Toluene-d8

Concen: 49.128 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

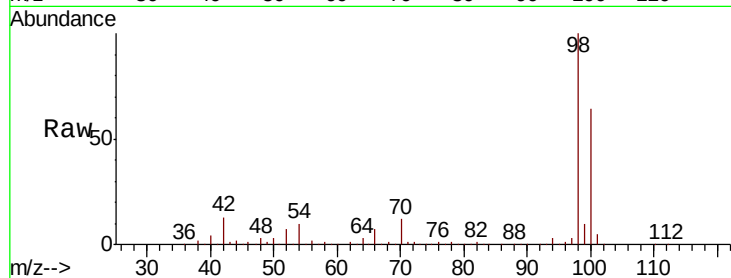
ClientSampled :

Tot Ion: 98 Resp: 1045969

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

600000

500000

400000

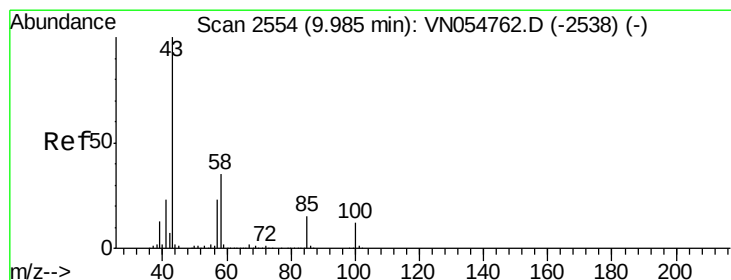
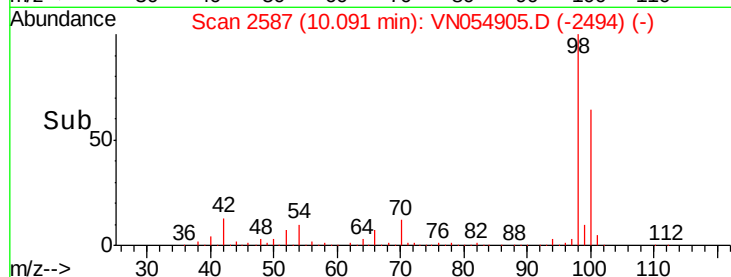
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.268 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054905.D

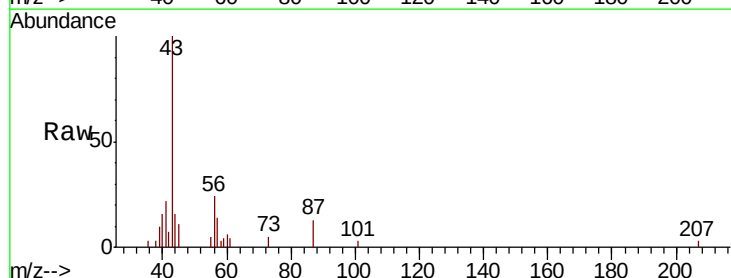
Acq: 2 Apr 2019 16:43

Tgt Ion: 43 Resp: 6800

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

10.03

6000

5000

4000

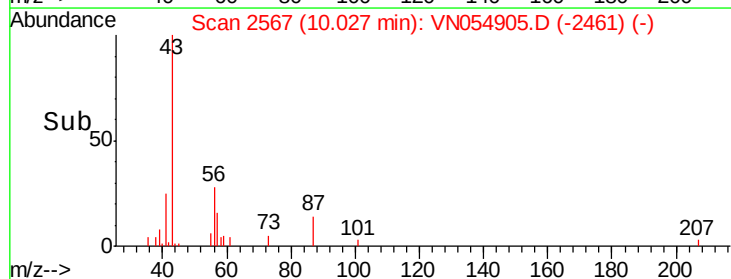
3000

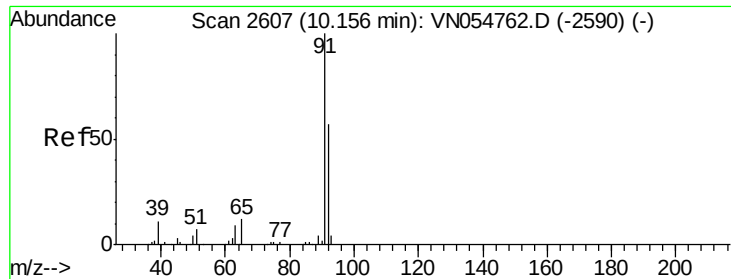
2000

1000

0

Time-->





#52

Toluene

Concen: 2.809 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

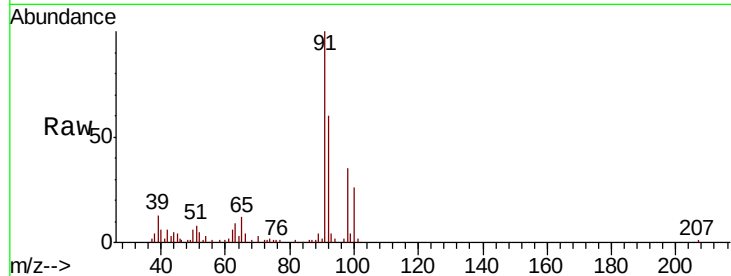
ClientSampled :

Tot Ion: 92 Resp: 38280

Ion Ratio Lower Upper

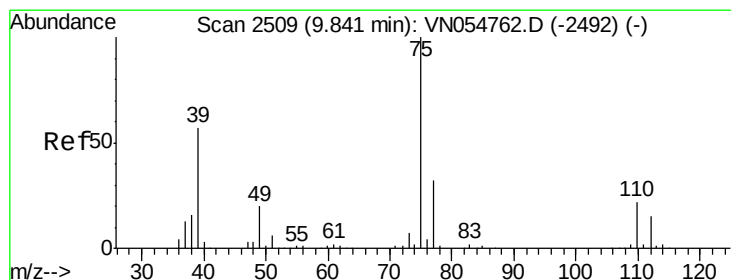
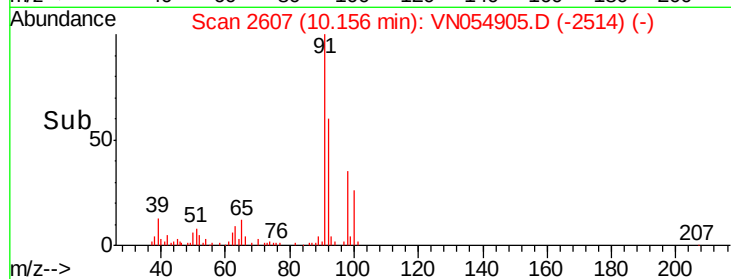
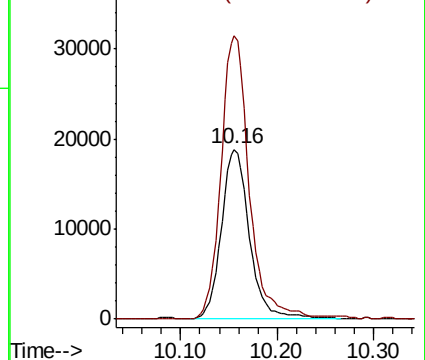
92 100

91 166.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.723 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

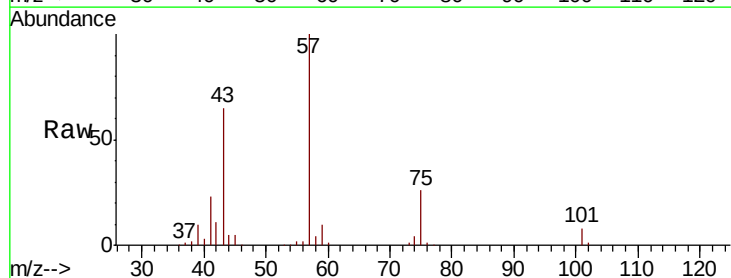
Tgt Ion: 75 Resp: 49098

Ion Ratio Lower Upper

75 100

77 0.7 25.4 38.0#

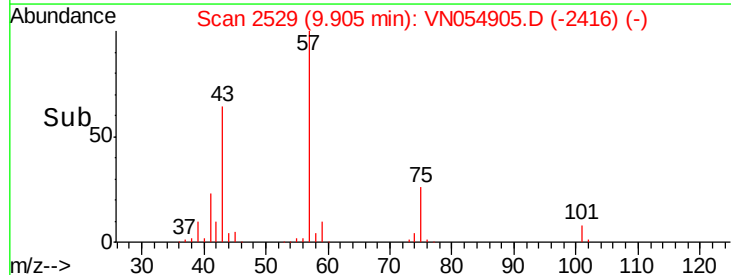
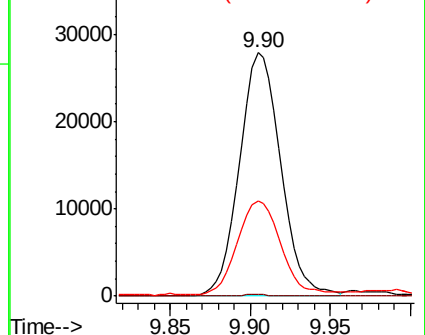
39 38.7 37.2 55.8

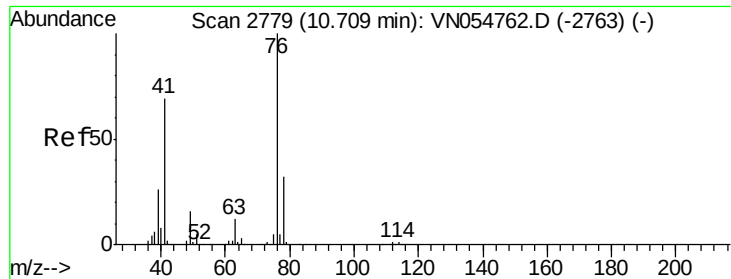


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

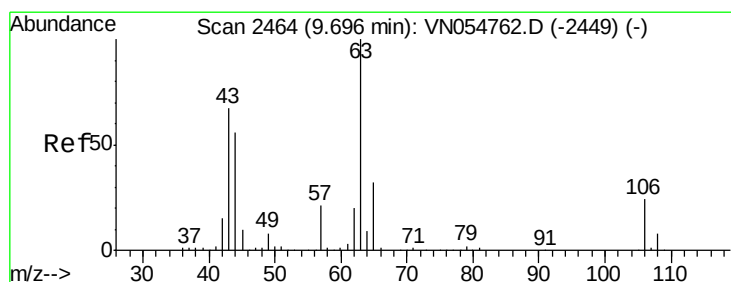
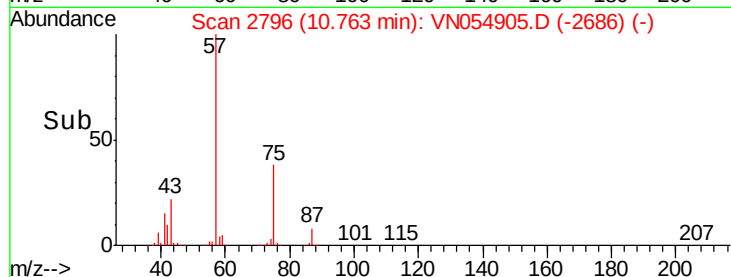
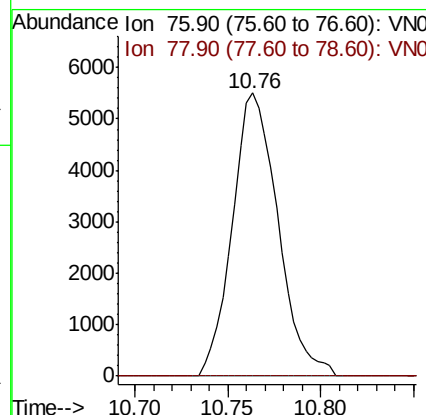
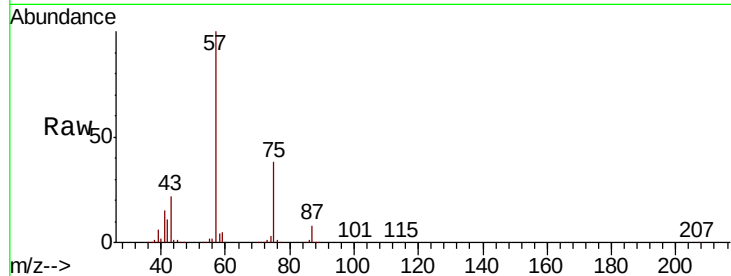




#57
 1,3-Dichloropropane
 Concen: 1.082 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

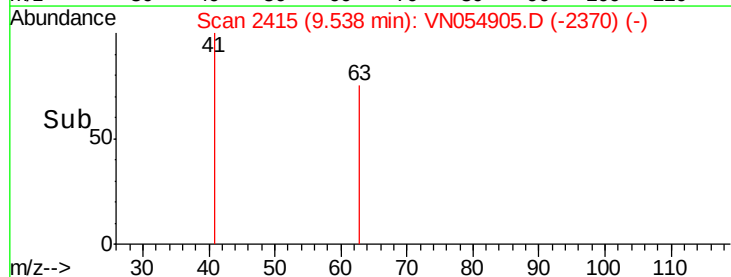
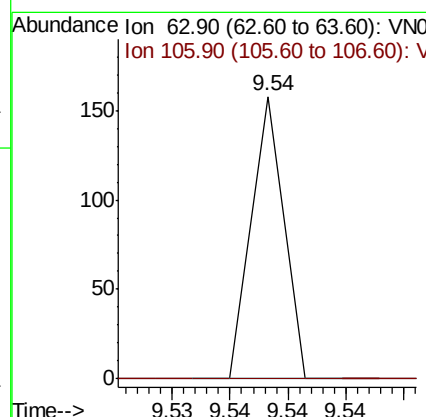
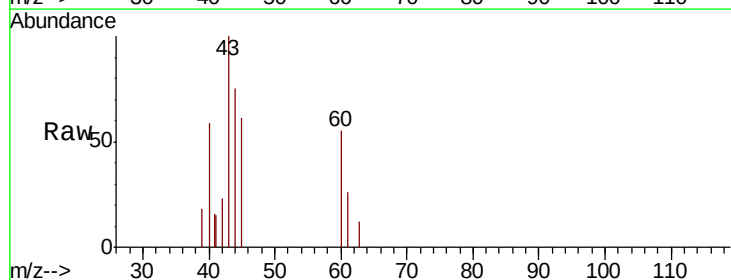
Instrument :
 MSVOA_N
 ClientSampled :

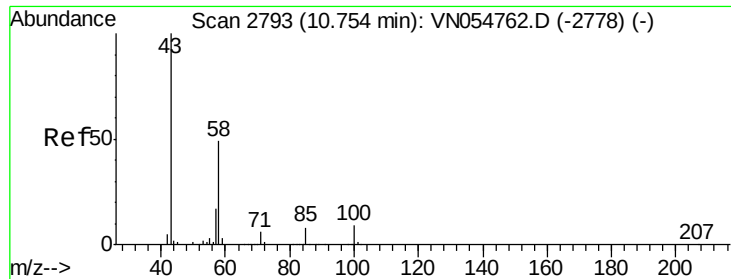
Tot Ion: 76 Resp: 9427
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.364 ug/l
 RT: 9.54 min Scan# 2415
 Delta R.T. -0.16 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

Tgt Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#

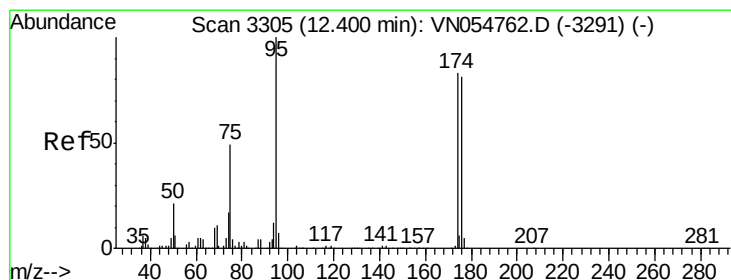
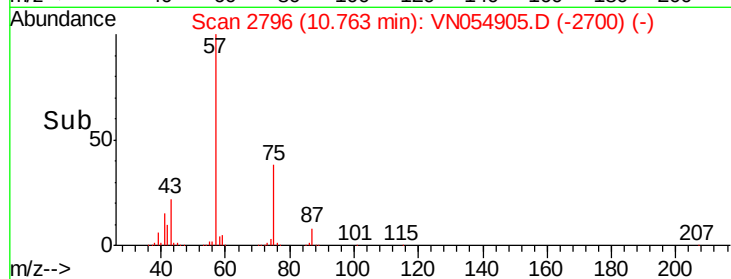
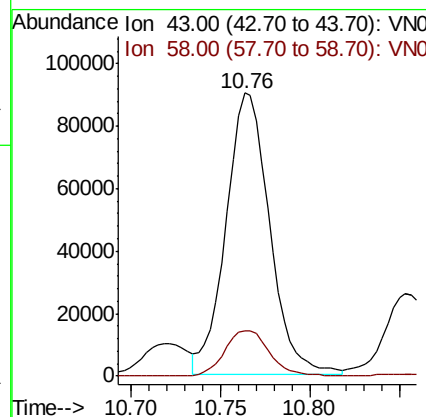
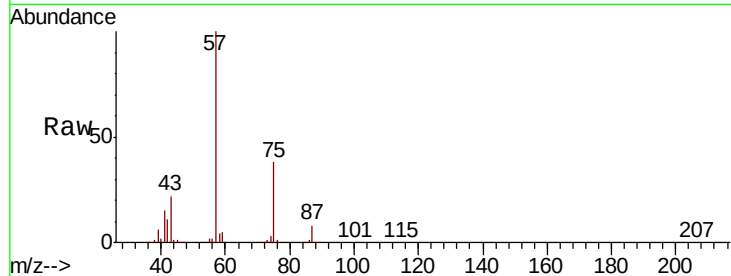




#59
2-Hexanone
Concen: 44.566 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

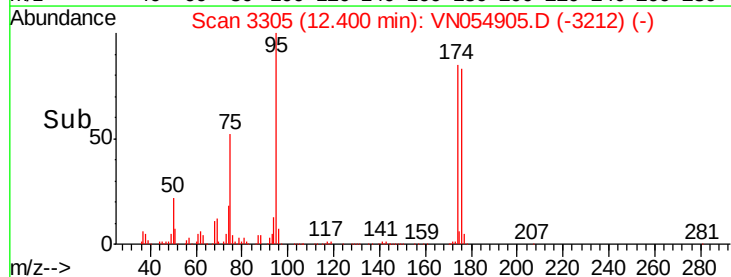
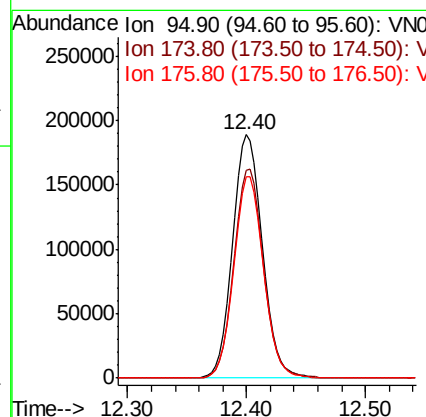
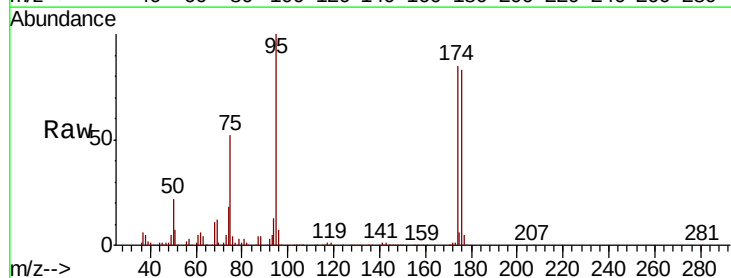
Instrument :
MSVOA_N
ClientSampled :

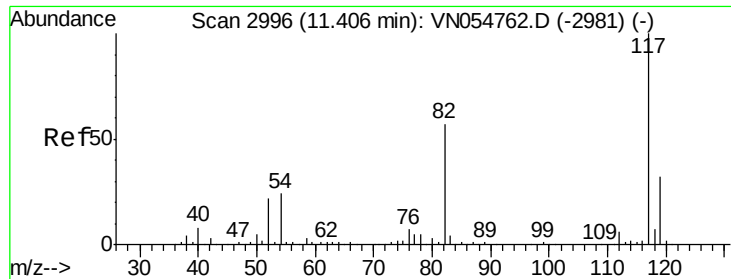
Tot Ion: 43 Resp: 152976
Ion Ratio Lower Upper
43 100
58 17.0 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 46.363 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion: 95 Resp: 328290
Ion Ratio Lower Upper
95 100
174 85.3 0.0 191.0
176 82.5 0.0 187.4

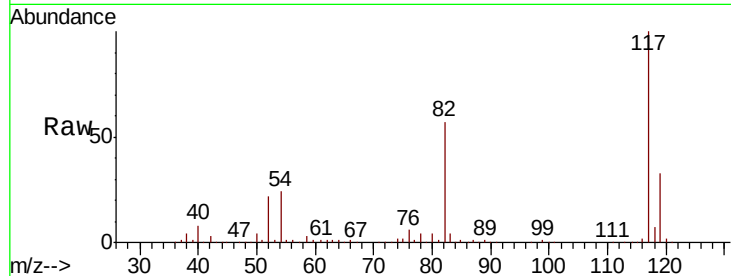




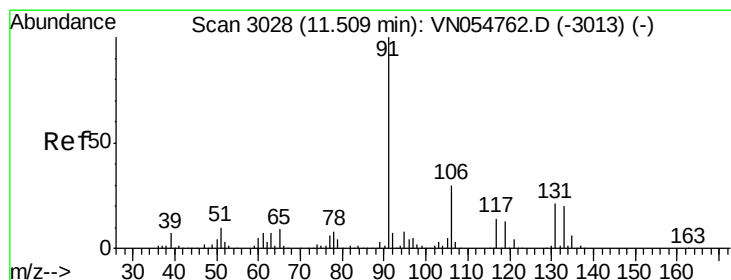
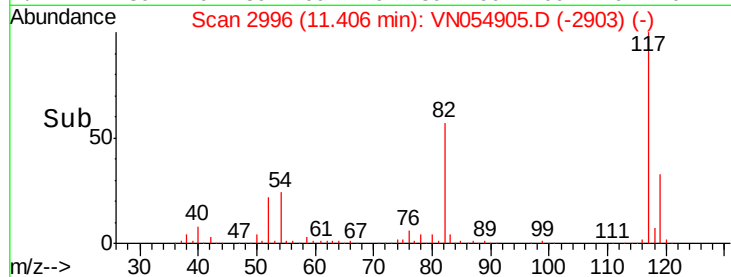
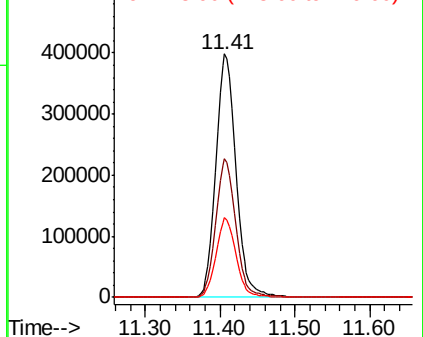
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 749717
Ion Ratio Lower Upper
117 100
82 57.0 40.0 60.0
119 32.6 25.8 38.6

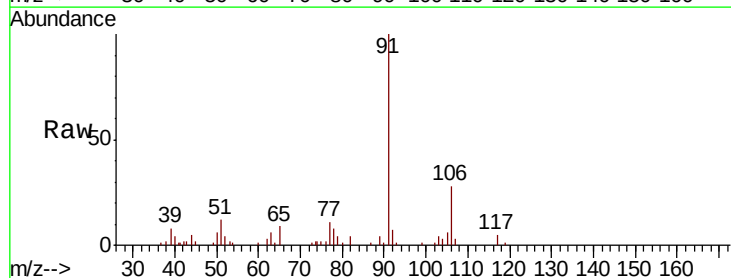


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

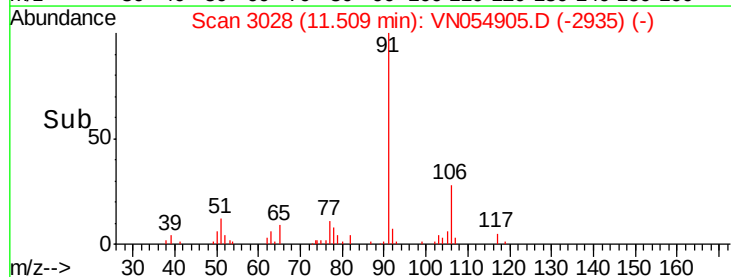
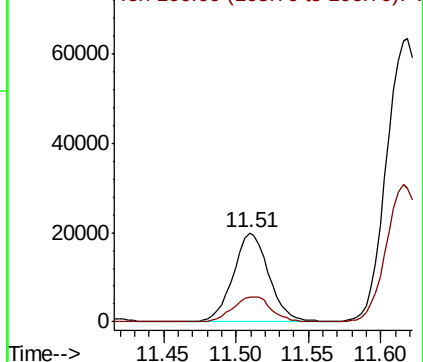


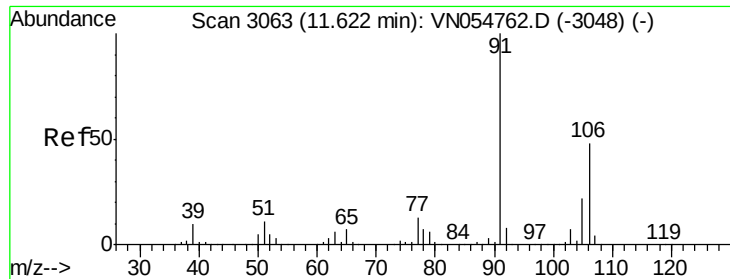
#67
Ethyl Benzene
Concen: 1.286 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion: 91 Resp: 34073
Ion Ratio Lower Upper
91 100
106 27.8 25.5 38.3



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

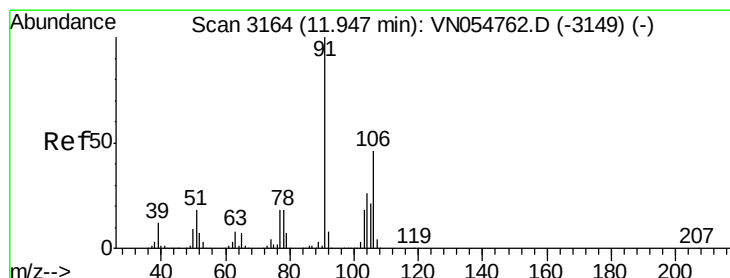
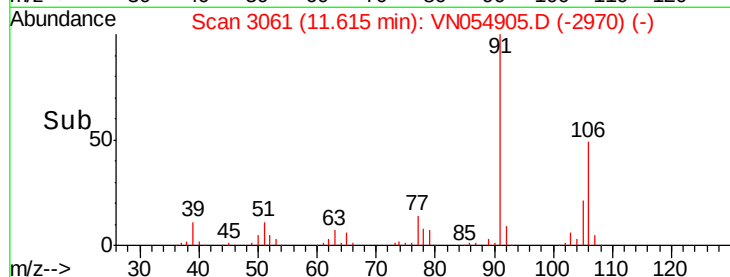
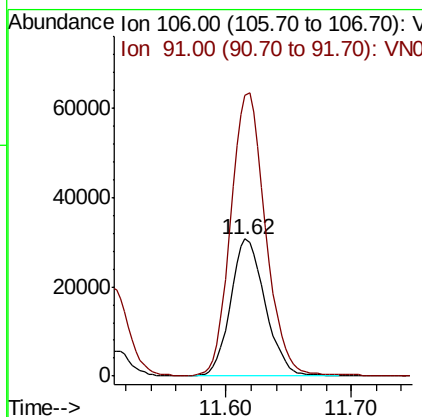
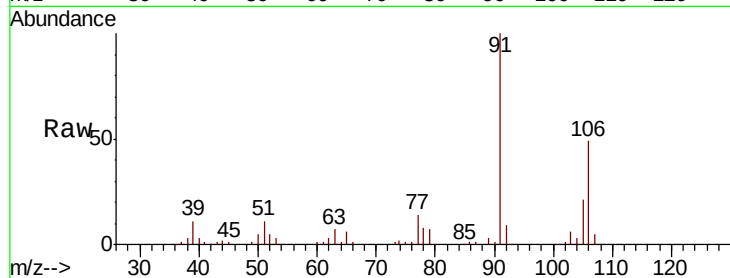




#68
m/p-Xylenes
Concen: 5.999 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

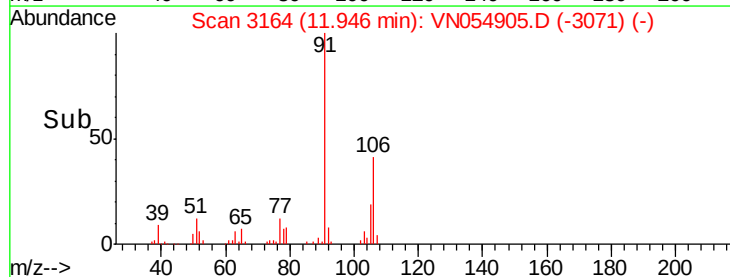
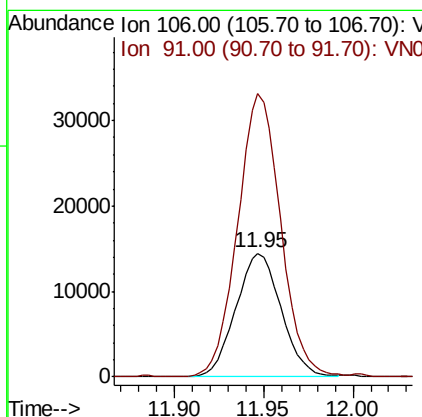
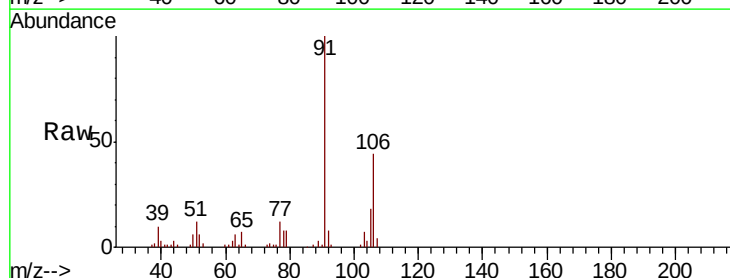
Instrument :
MSVOA_N
ClientSampled :

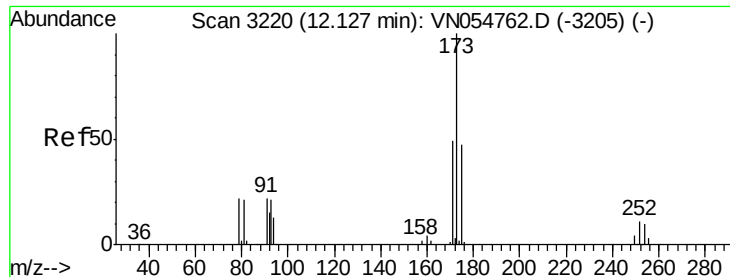
Tot Ion:106 Resp: 58800
Ion Ratio Lower Upper
106 100
91 206.1 159.4 239.2



#69
o-Xylene
Concen: 2.678 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054905.D
Acq: 2 Apr 2019 16:43

Tgt Ion:106 Resp: 25745
Ion Ratio Lower Upper
106 100
91 217.1 105.7 317.1





#71

Bromoform

Concen: 0.958 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

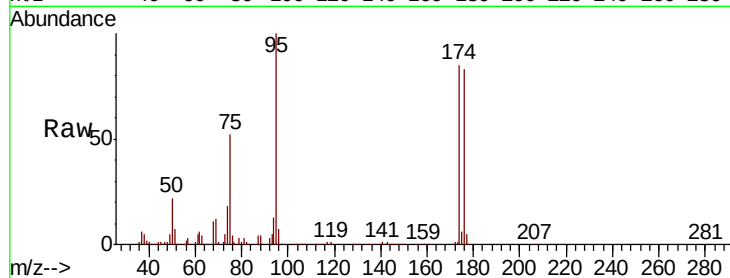
Tot Ion:173 Resp: 3085

Ion Ratio Lower Upper

173 100

175 590.9 24.4 73.2#

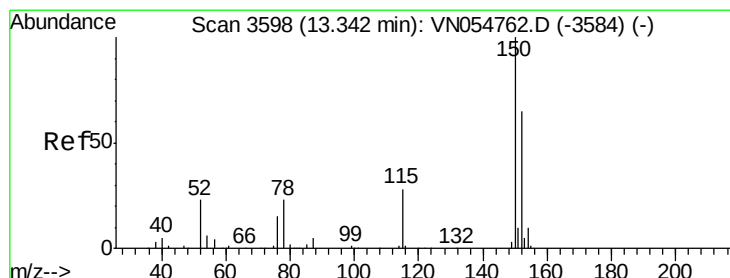
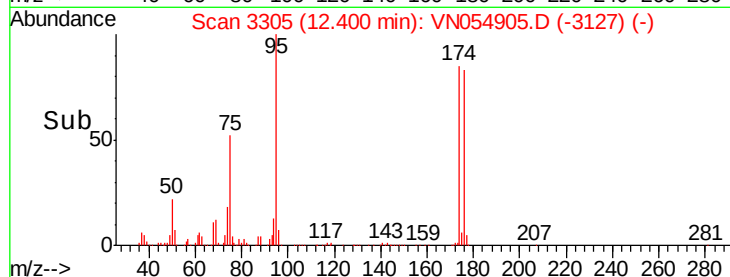
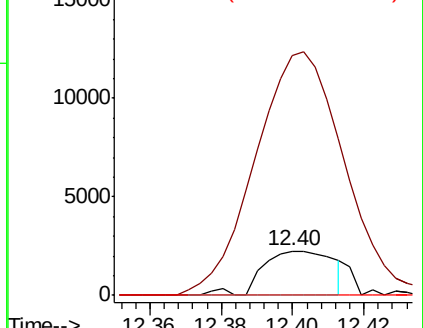
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

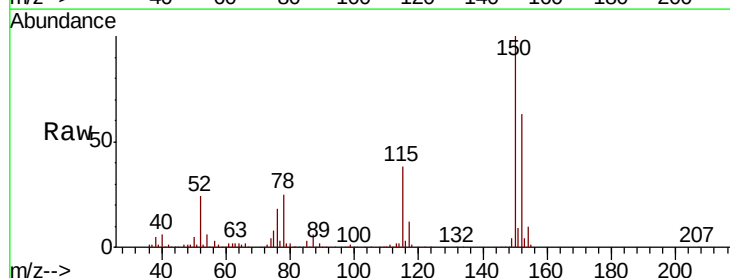
Tgt Ion:152 Resp: 279389

Ion Ratio Lower Upper

152 100

115 59.5 27.2 81.6

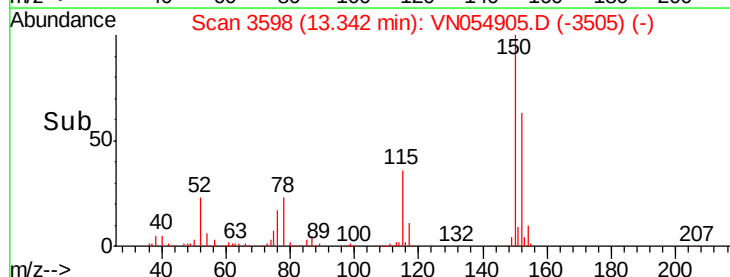
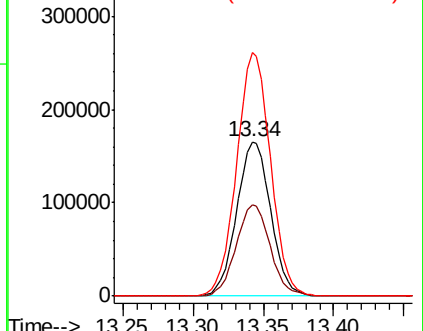
150 157.5 0.0 349.2

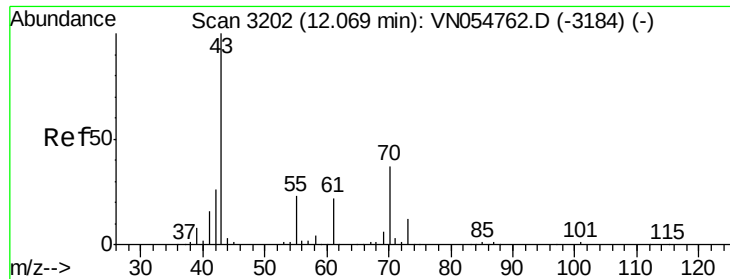


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.939 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 13792

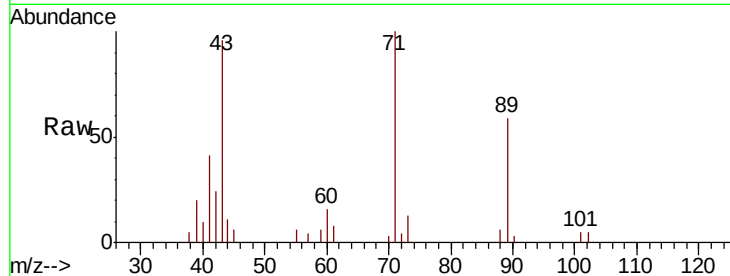
Ion Ratio Lower Upper

43 100

70 1.9 35.4 53.0#

55 4.5 19.8 29.6#

61 9.3 19.8 29.6#

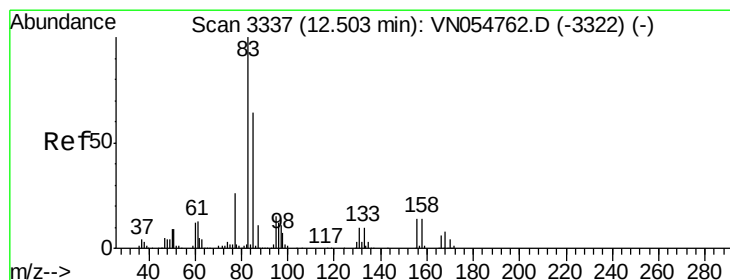
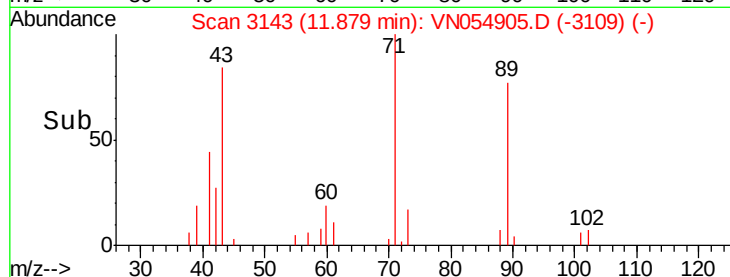
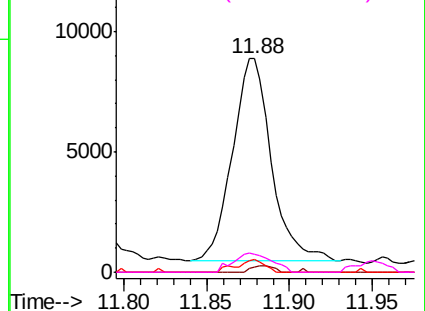


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

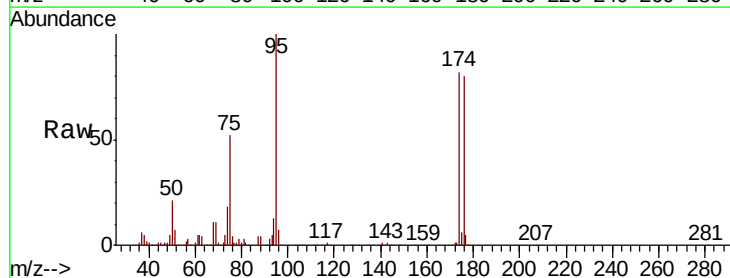
Tgt Ion: 83 Resp: 92

Ion Ratio Lower Upper

83 100

131 558.7 5.8 17.4#

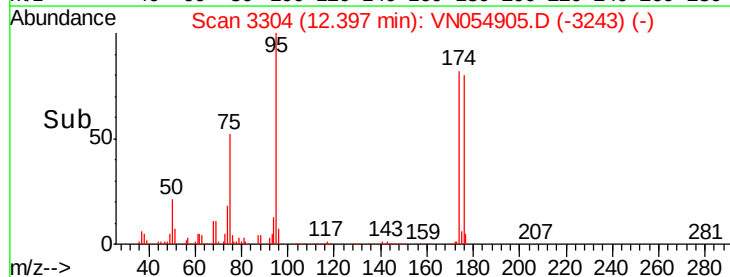
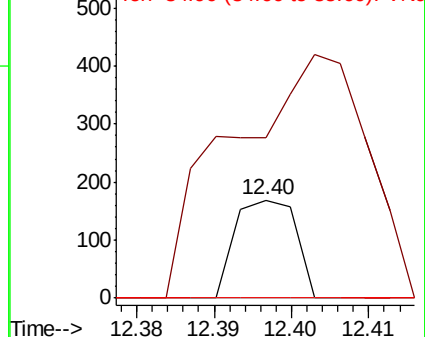
85 0.0 32.2 96.6#

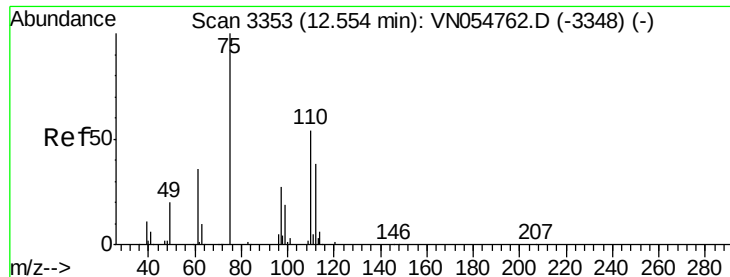


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 35.014 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

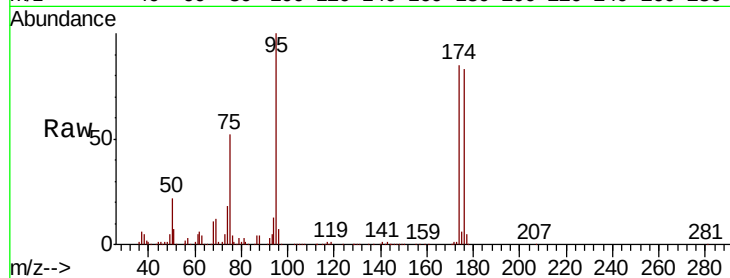
ClientSampleId :

Tot Ion: 75 Resp: 169946

Ion Ratio Lower Upper

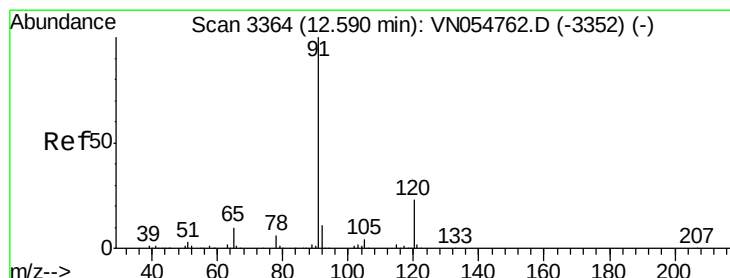
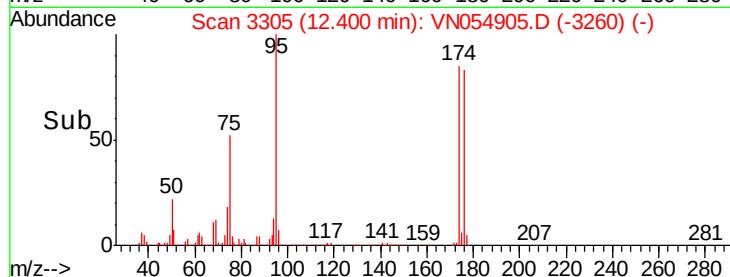
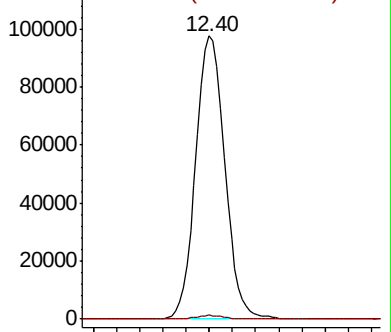
75 100

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



#78

n-propylbenzene

Concen: 0.383 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054905.D

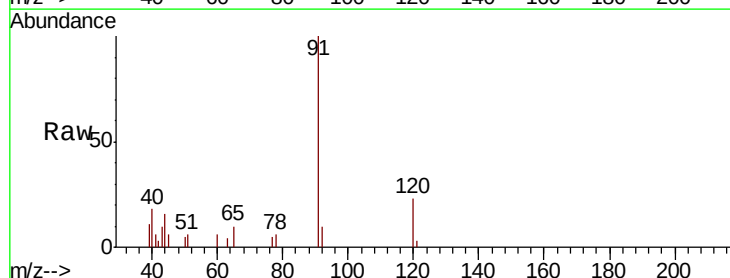
Acq: 2 Apr 2019 16:43

Tgt Ion: 91 Resp: 9606

Ion Ratio Lower Upper

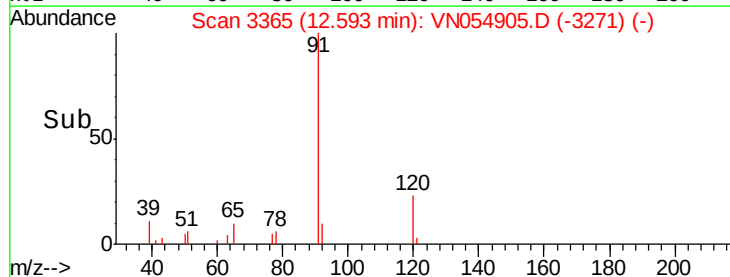
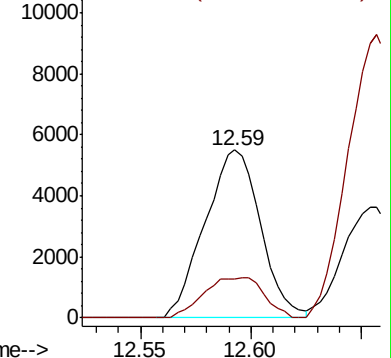
91 100

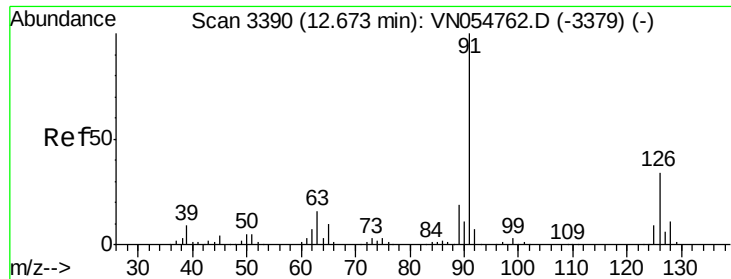
120 26.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

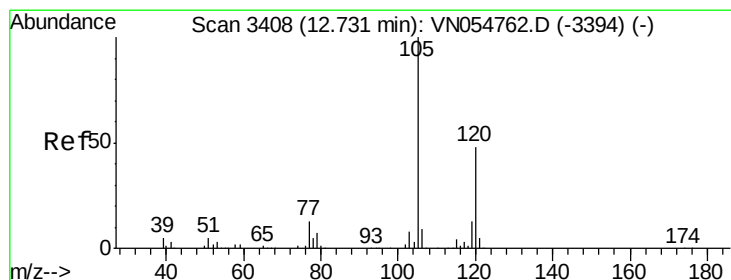
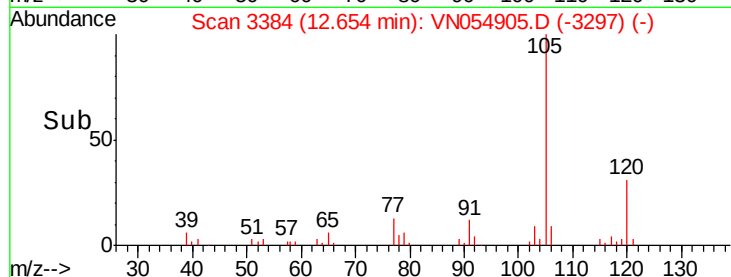
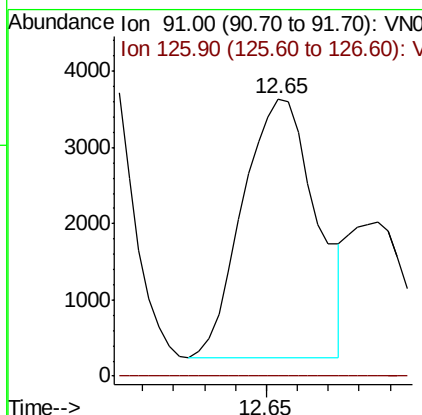
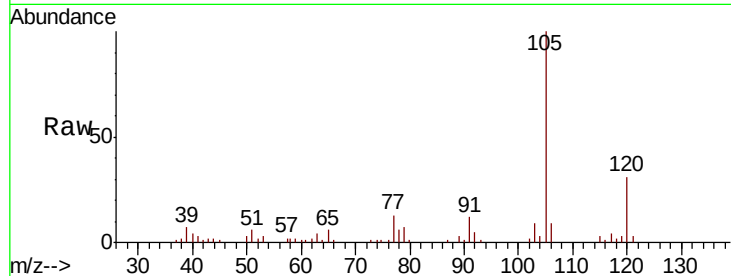




#79
 2-Chlorotoluene
 Concen: 0.359 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

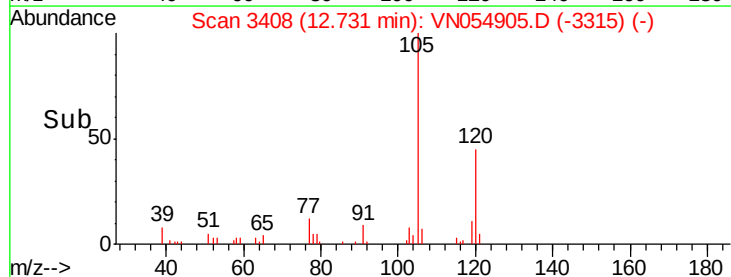
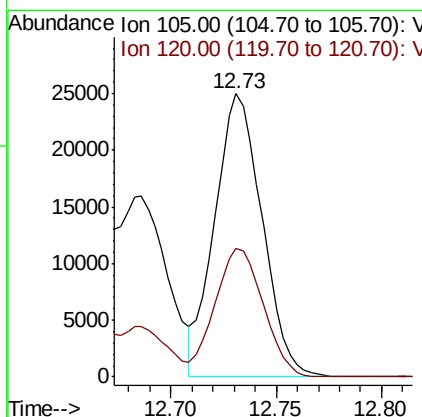
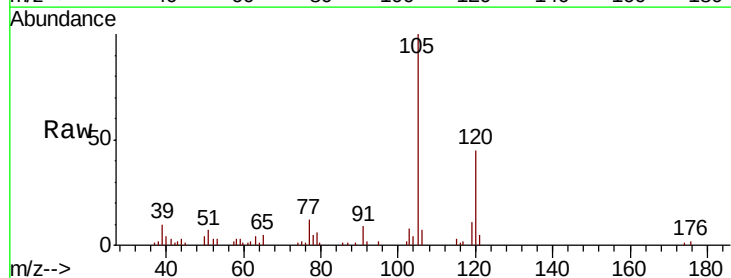
Instrument :
 MSVOA_N
 ClientSampled :

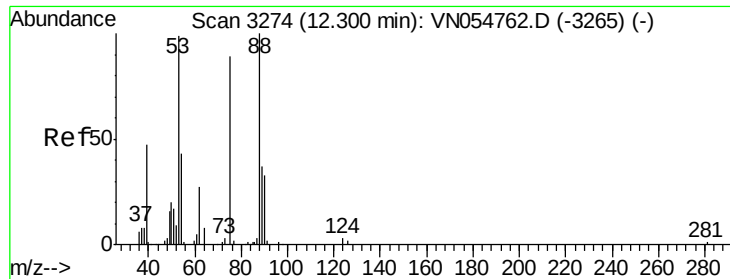
Tot Ion: 91 Resp: 5580
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.080 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

Tgt Ion: 105 Resp: 38977
 Ion Ratio Lower Upper
 105 100
 120 46.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 136.196 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

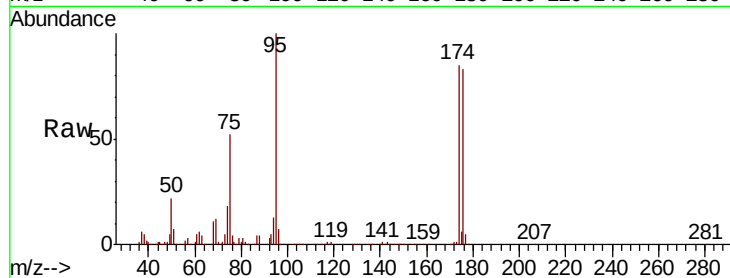
Tot Ion: 75 Resp: 169946

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

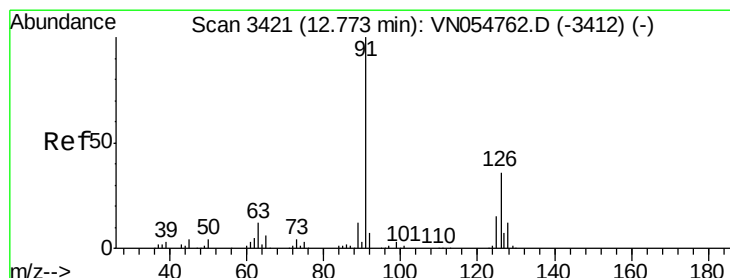
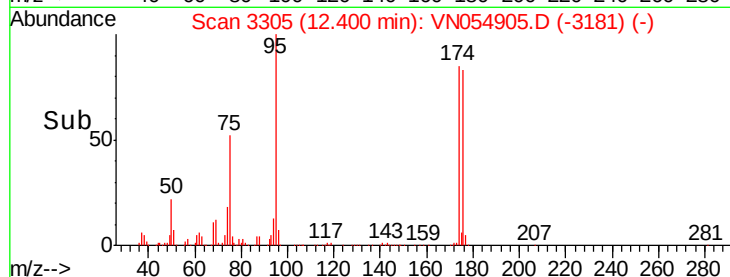
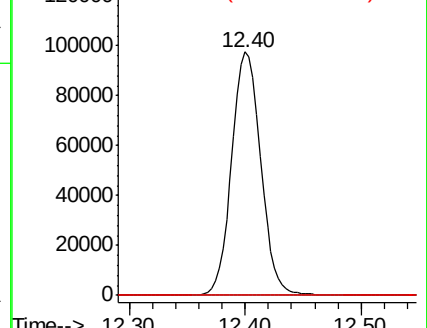
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.203 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN054905.D

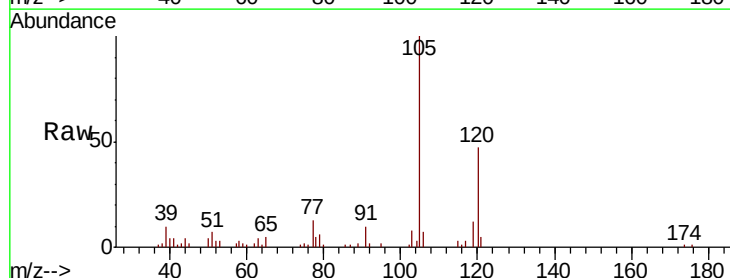
Acq: 2 Apr 2019 16:43

Tgt Ion: 91 Resp: 3064

Ion Ratio Lower Upper

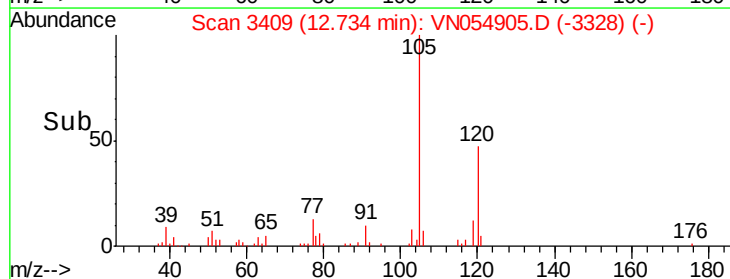
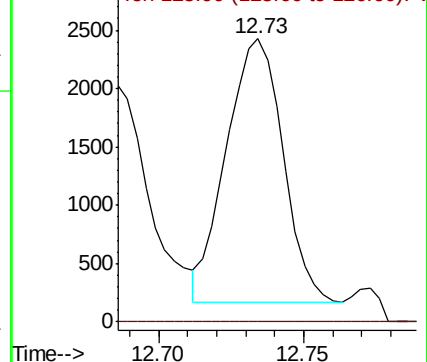
91 100

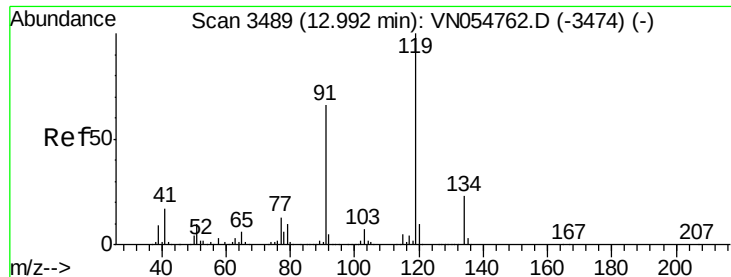
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

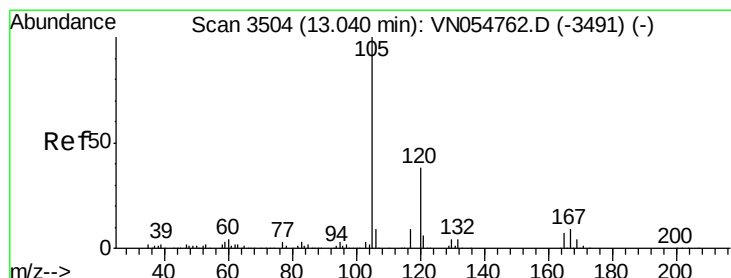
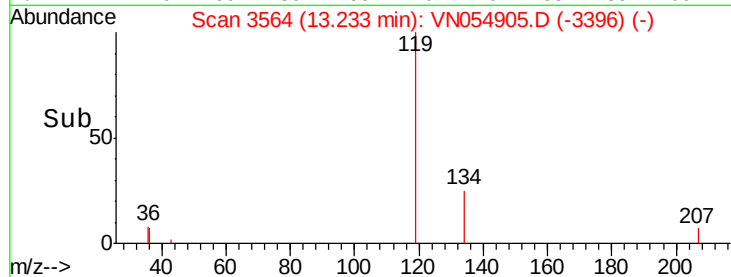
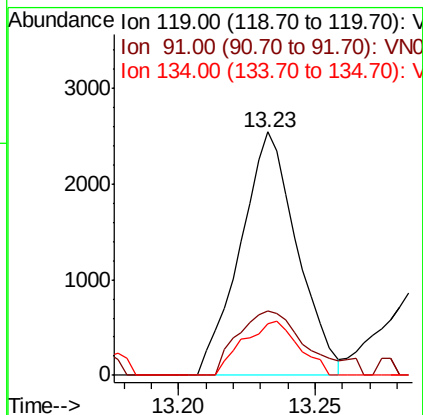
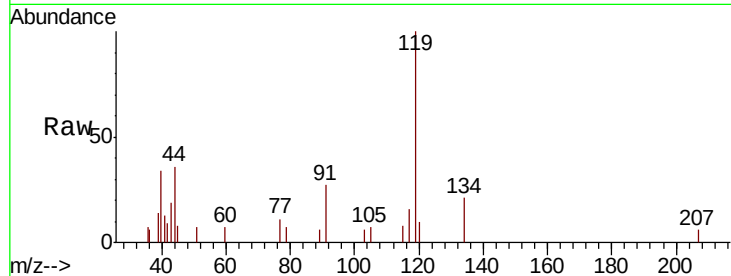




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.23 min Scan# 3564
 Delta R.T. 0.24 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

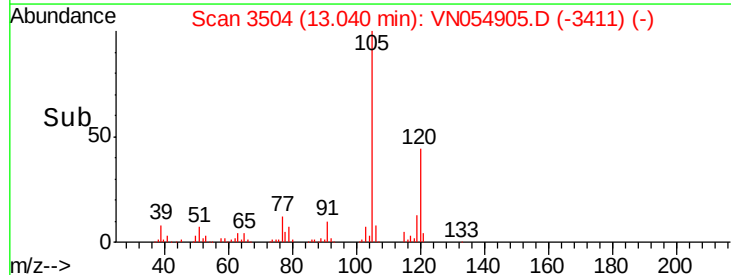
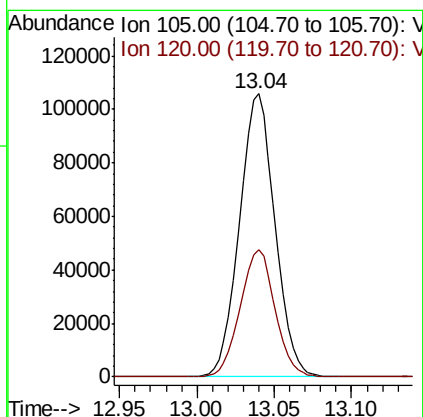
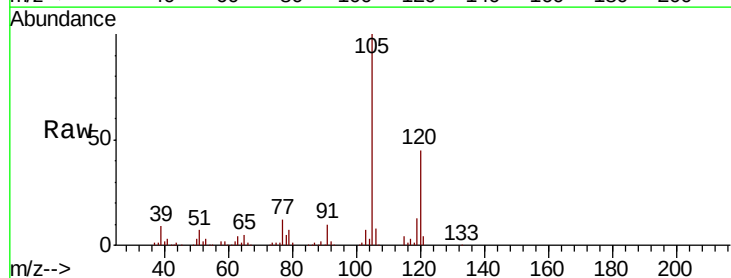
Instrument :
 MSVOA_N
 ClientSampleId :

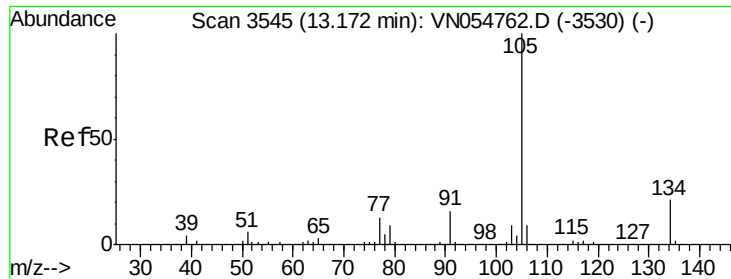
Tot Ion:119 Resp: 3668
 Ion Ratio Lower Upper
 119 100
 91 32.3 30.9 92.8
 134 21.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 9.448 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054905.D
 Acq: 2 Apr 2019 16:43

Tgt Ion:105 Resp: 168661
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 8.286 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

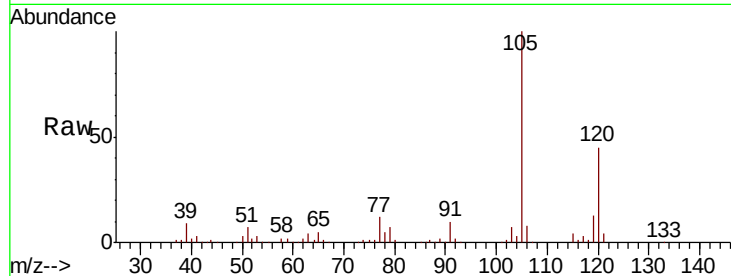
ClientSampled :

Tot Ion:105 Resp: 168661

Ion Ratio Lower Upper

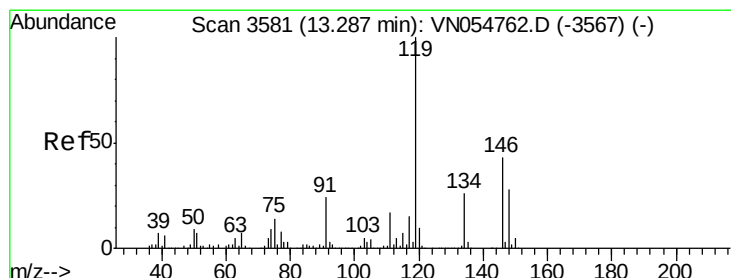
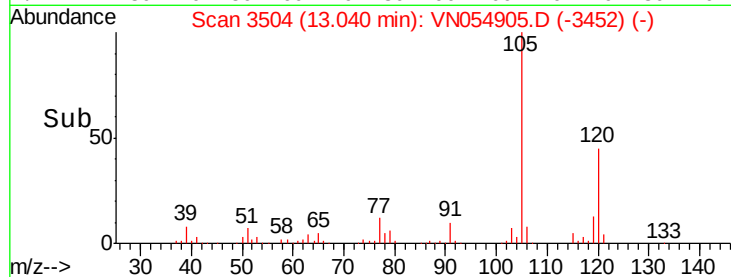
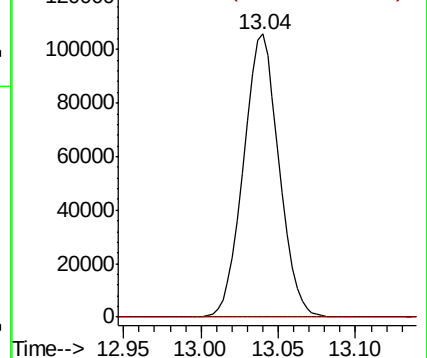
105 100

134 0.1 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.204 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

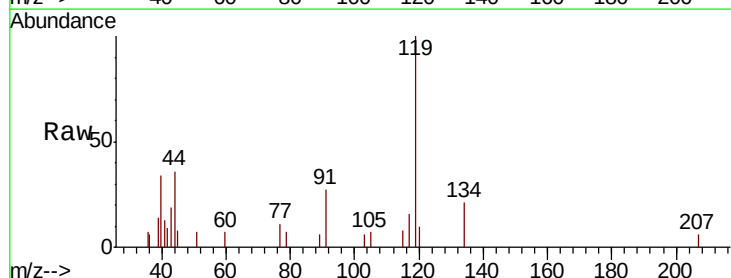
Tgt Ion:119 Resp: 3668

Ion Ratio Lower Upper

119 100

134 21.7 13.6 40.8

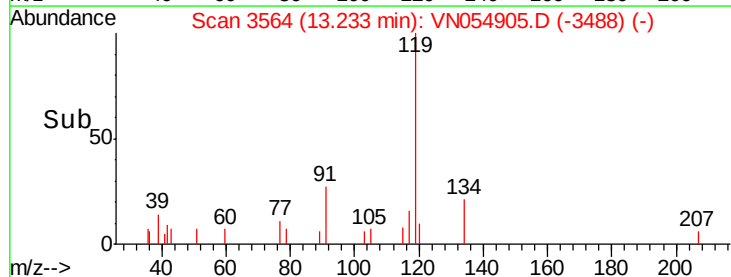
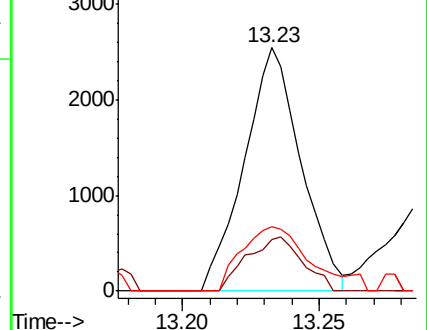
91 32.3 11.1 33.3

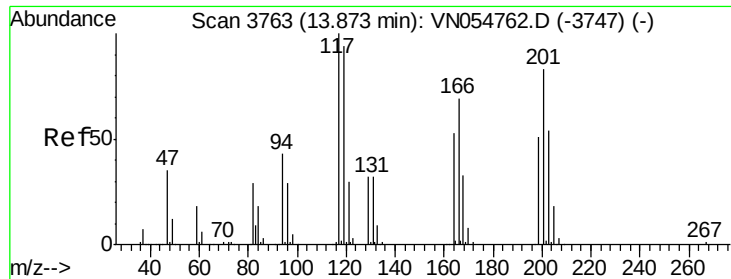


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 0.328 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

Instrument :

MSVOA_N

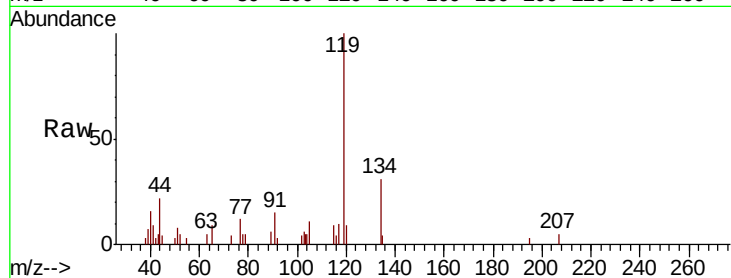
ClientSampleId :

Tot Ion:117 Resp: 1001

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

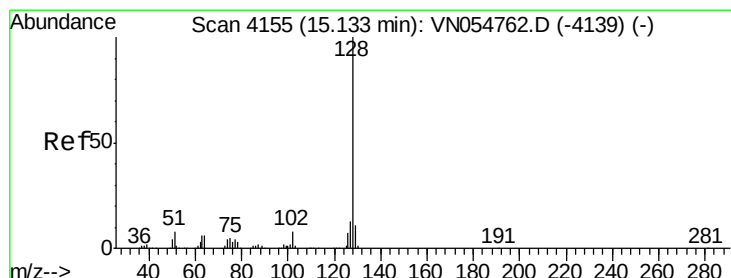
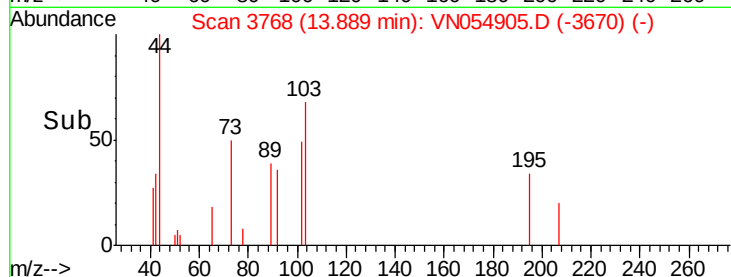
600

400

200

0

Time-->



#95

Naphthalene

Concen: 1.049 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054905.D

Acq: 2 Apr 2019 16:43

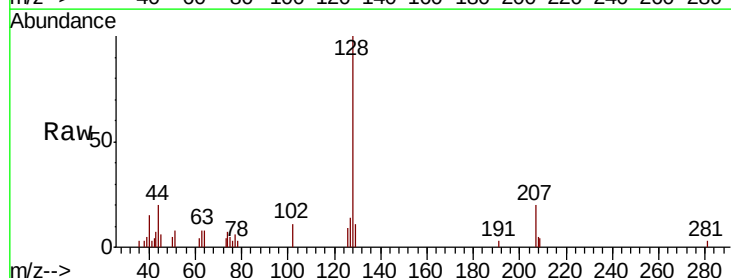
Tgt Ion:128 Resp: 10566

Ion Ratio Lower Upper

128 100

127 14.1 10.1 15.1

129 9.8 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

8000

6000

4000

2000

0

Time-->

