

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054855.D
 Acq On : 31 Mar 2019 17:18
 Operator : JC/SP
 Sample : K2180-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 02:48:15 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	543491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	882808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	741975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277956	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	363631	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	7.59	113	280785	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	10.09	98	1050001	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	327697	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	198	Below Cal		94
13) Acrolein	3.60	56	355	1.040	ug/l #	62
14) Allyl chloride	4.54	41	24759	2.353	ug/l #	22
16) Acetone	3.83	43	8036	4.600	ug/l #	83
18) Methyl Acetate	4.35	43	2935	Below Cal	#	90
20) Methylene Chloride	4.55	84	1029908	167.120	ug/l #	83
25) 2-Butanone	6.85	43	650	0.252	ug/l #	46
29) Tetrahydrofuran	7.23	42	928	0.517	ug/l #	36
30) Chloroform	7.37	83	7325	0.692	ug/l	90
31) Cyclohexane	7.66	56	11798	Below Cal	#	22
36) 1,1-Dichloropropene	7.66	75	42149	5.124	ug/l #	48
38) Carbon Tetrachloride	7.67	117	49005	6.133	ug/l #	17
43) Isopropyl Acetate	8.18	43	17331	1.768	ug/l #	94
45) 1,2-Dichloropropane	9.27	63	2127	0.317	ug/l #	43
47) Bromodichloromethane	9.40	83	1884	0.240	ug/l #	85
48) Methyl methacrylate	9.18	41	7642	1.438	ug/l #	11
49) 1,4-Dioxane	9.27	88	29	0.550	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	8777	1.593	ug/l #	36
52) Toluene	10.16	92	3226	0.230	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	56177	6.371	ug/l #	72
57) 1,3-Dichloropropane	10.77	76	11471	1.281	ug/l #	43
59) 2-Hexanone	10.77	43	184128	52.194	ug/l #	48
67) Ethyl Benzene	11.51	91	70543	2.691	ug/l	92
68) m/p-Xylenes	11.62	106	119832	12.352	ug/l	92
69) o-Xylene	11.95	106	59353	6.239	ug/l	94
70) Styrene	11.95	104	5501	0.362	ug/l #	1
74) N-amyl acetate	11.88	43	18868	2.666	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.39	83	222	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	167399	34.667	ug/l #	100
78) n-propylbenzene	12.59	91	19845	0.795	ug/l	93
79) 2-Chlorotoluene	12.65	91	13453	0.871	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	81507	4.372	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	167399	134.847	ug/l #	11
82) 4-Chlorotoluene	12.73	91	7805	0.520	ug/l #	39

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

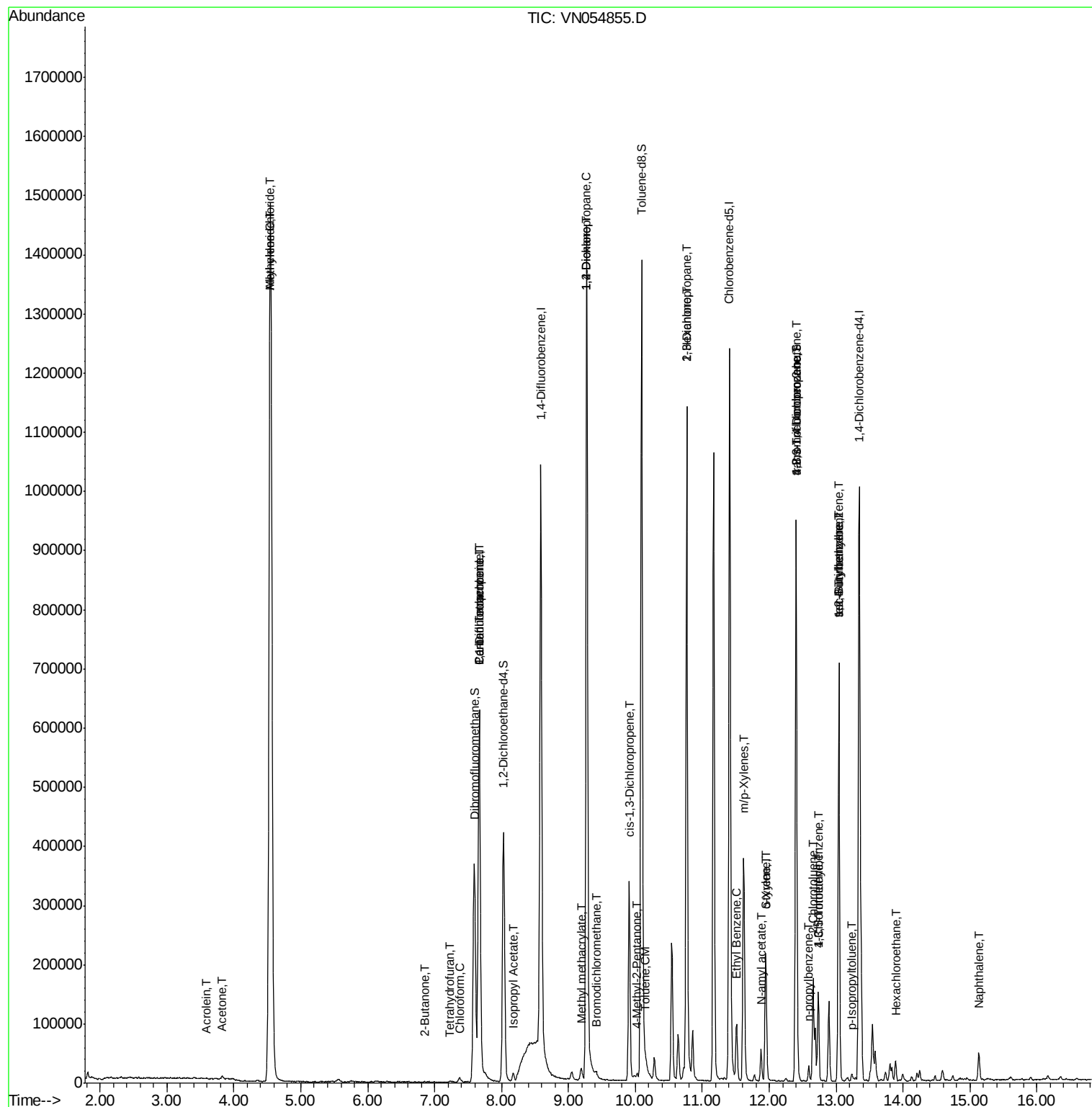
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	48146	1.301	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.04	105	394510	22.213	ug/l	97
85) sec-Butylbenzene	13.04	105	394510	19.481	ug/l #	55
86) p-Isopropyltoluene	13.23	119	6843	0.383	ug/l	88
90) Hexachloroethane	13.89	117	2307	0.761	ug/l #	2
95) Naphthalene	15.13	128	38454	3.839	ug/l	98

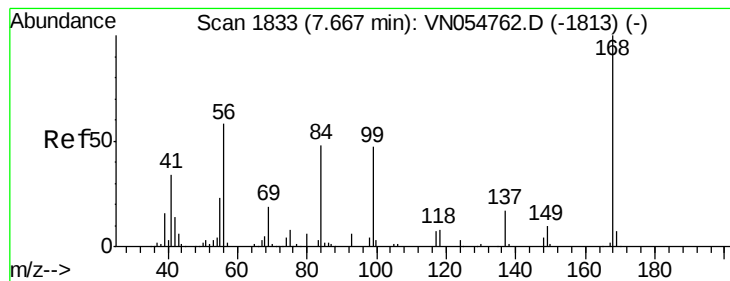
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

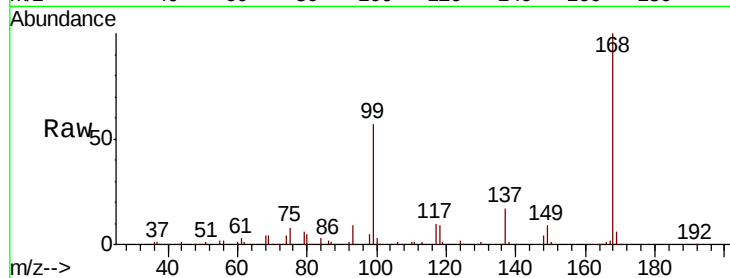
ClientSampled :

Tot Ion:168 Resp: 543491

Ion Ratio Lower Upper

168 100

99 56.7 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

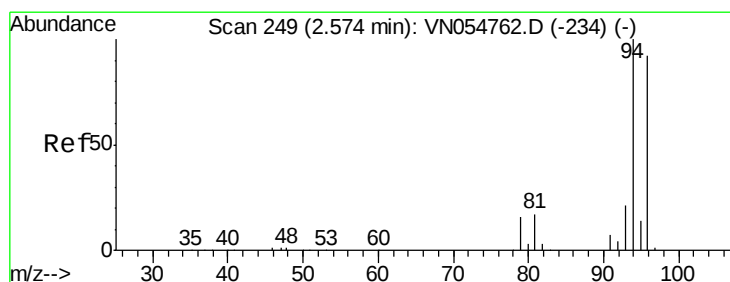
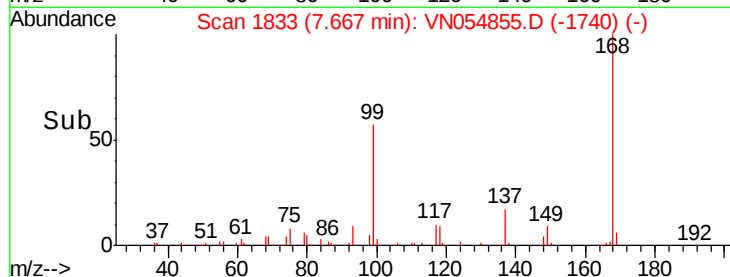
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054855.D

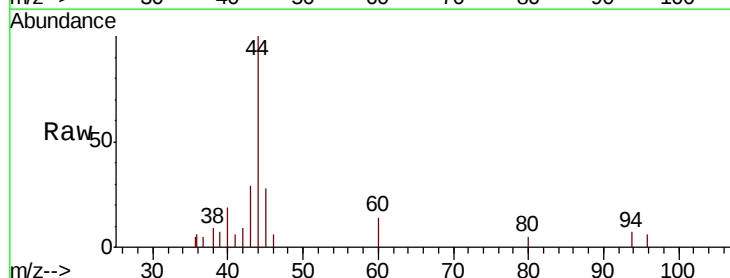
Acq: 31 Mar 2019 17:18

Tgt Ion: 94 Resp: 198

Ion Ratio Lower Upper

94 100

96 90.8 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) (-)

2.57

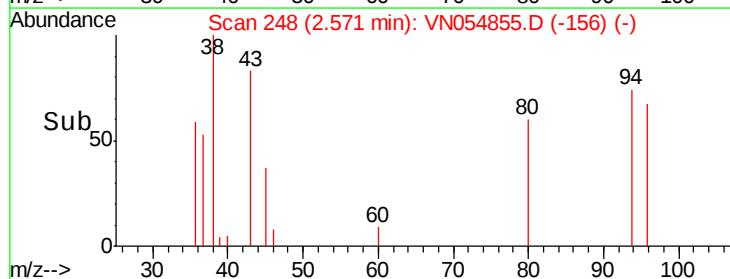
300

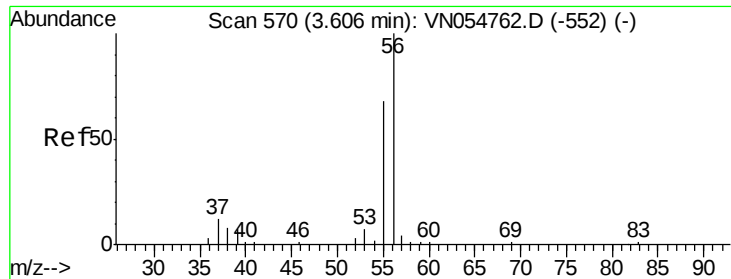
200

100

0

Time-->





#13

Acrolein

Concen: 1.040 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

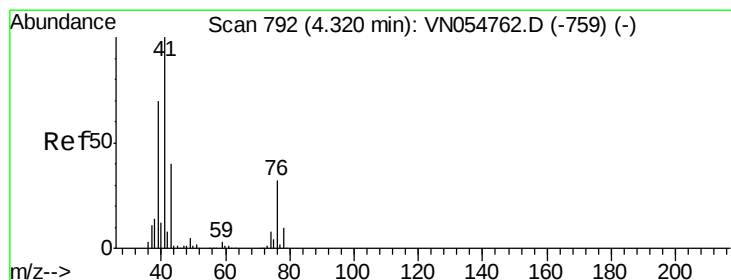
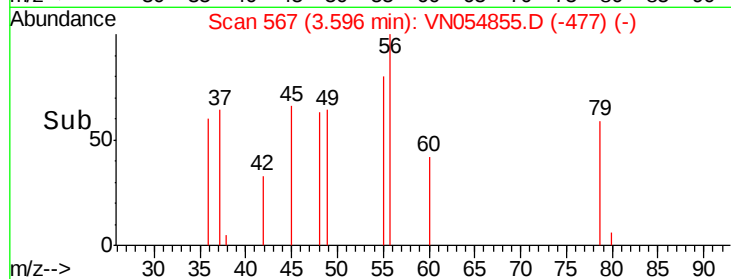
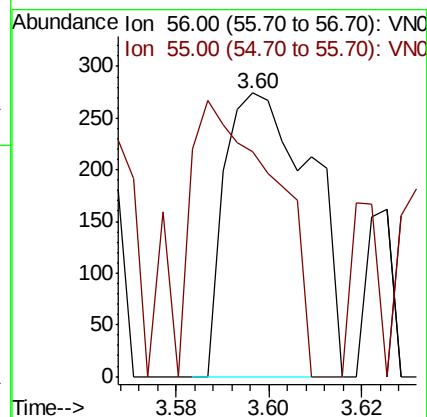
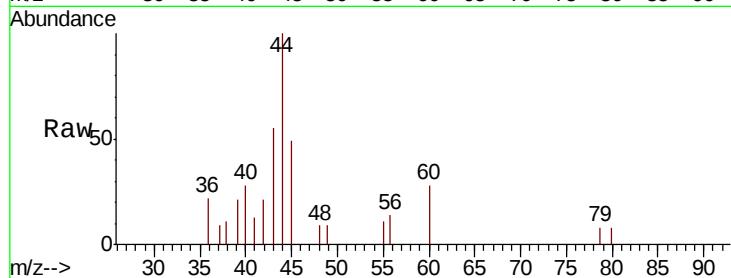
ClientSampled :

Tot Ion: 56 Resp: 355

Ion Ratio Lower Upper

56 100

55 102.3 56.7 85.1#



#14

Allyl chloride

Concen: 2.353 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.22 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

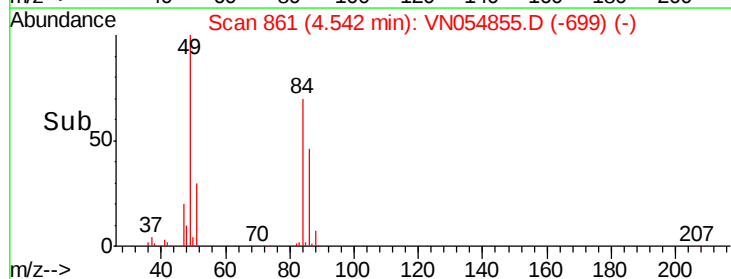
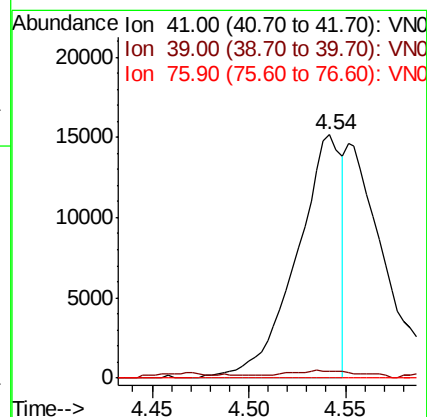
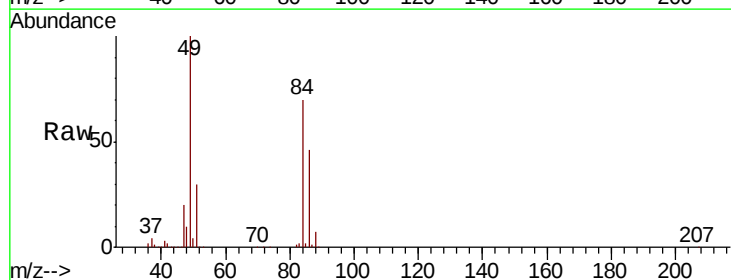
Tgt Ion: 41 Resp: 24759

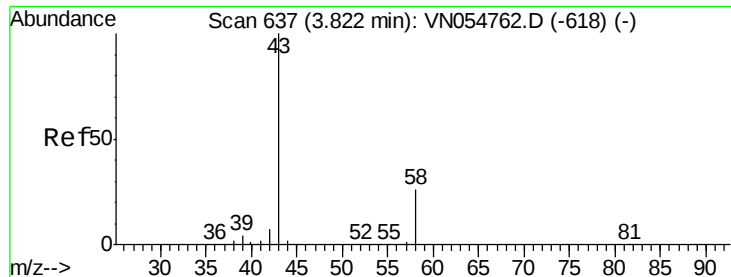
Ion Ratio Lower Upper

41 100

39 1.3 58.2 87.4#

76 0.0 31.7 47.5#





#16

Acetone

Concen: 4.600 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

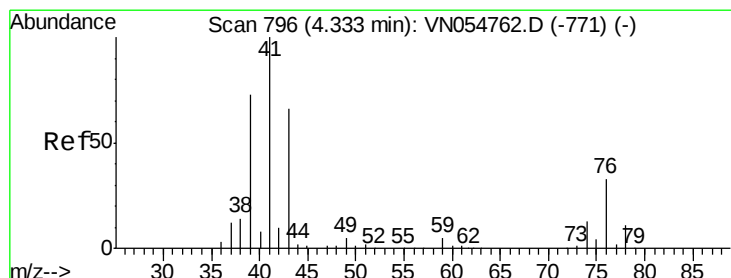
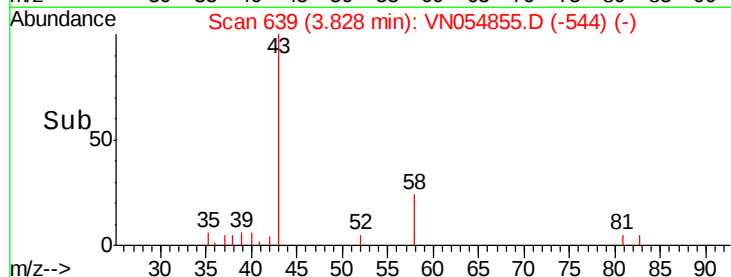
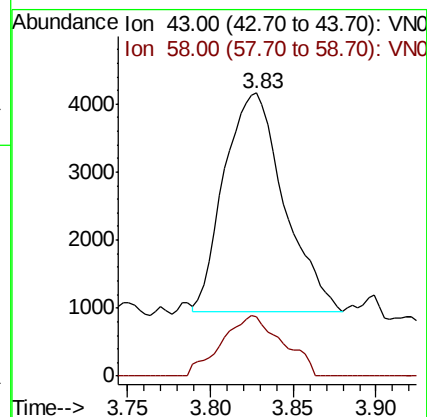
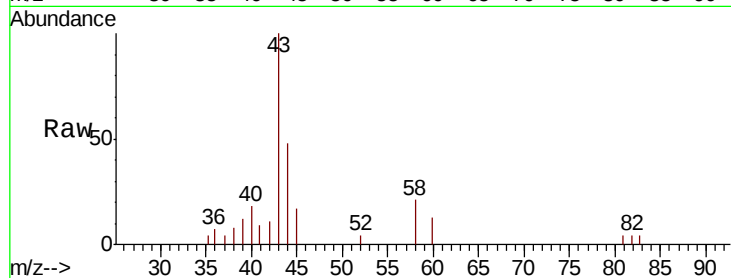
ClientSampled :

Tot Ion: 43 Resp: 8036

Ion Ratio Lower Upper

43 100

58 27.3 29.9 44.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.35 min Scan# 800

Delta R.T. 0.01 min

Lab File: VN054855.D

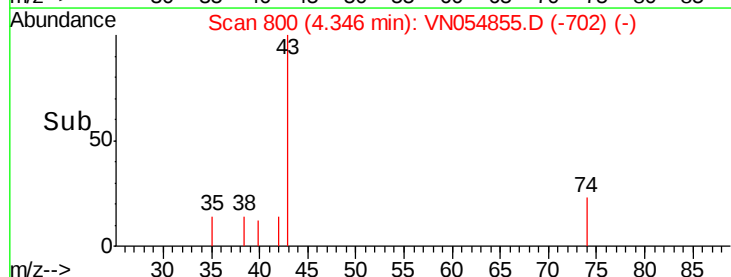
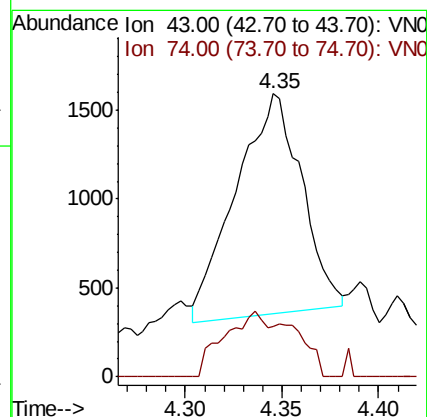
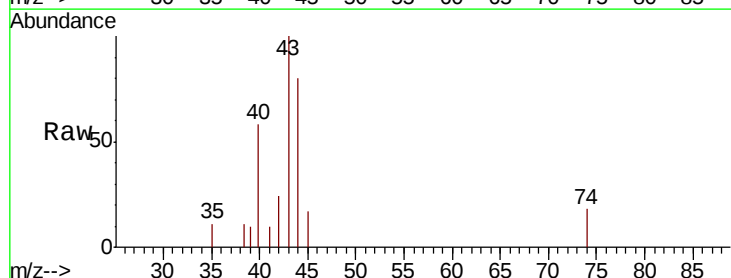
Acq: 31 Mar 2019 17:18

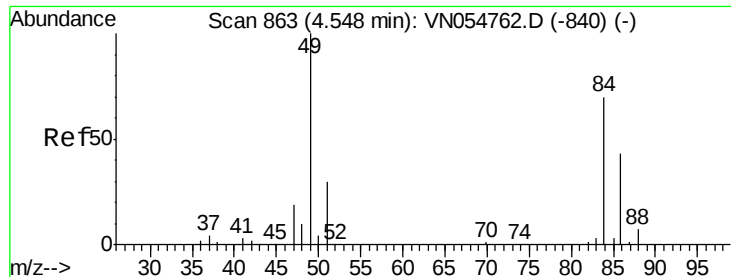
Tgt Ion: 43 Resp: 2935

Ion Ratio Lower Upper

43 100

74 20.8 20.8 31.2#



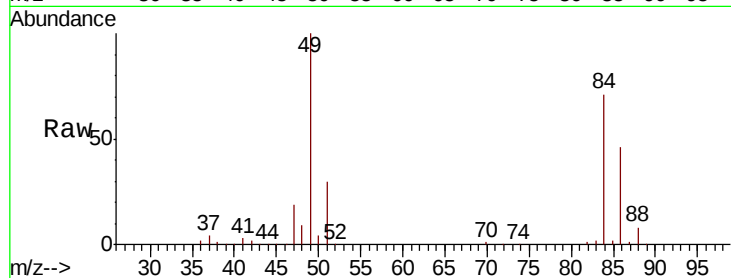


#20
Methylene Chloride
Concen: 167.120 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 1029908

Ion	Ratio	Lower	Upper
84	100		
49	141.0	89.7	134.5#
51	42.5	28.2	42.4#
86	65.5	50.8	76.2



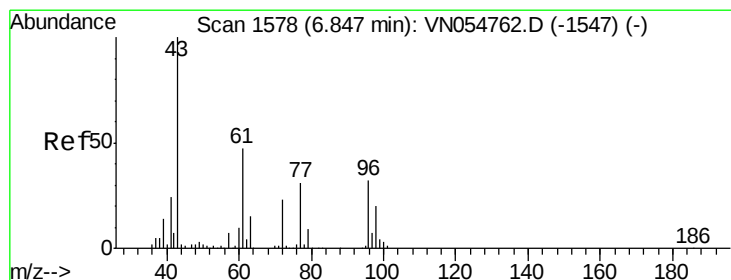
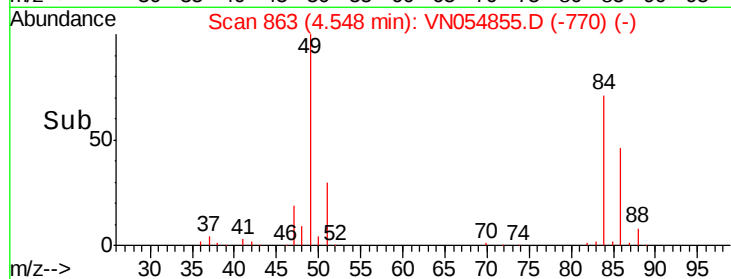
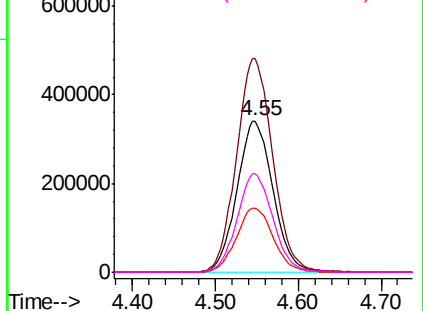
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

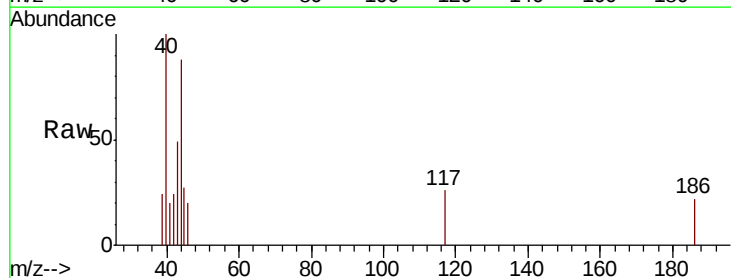
Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 0.252 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion: 43 Resp: 650

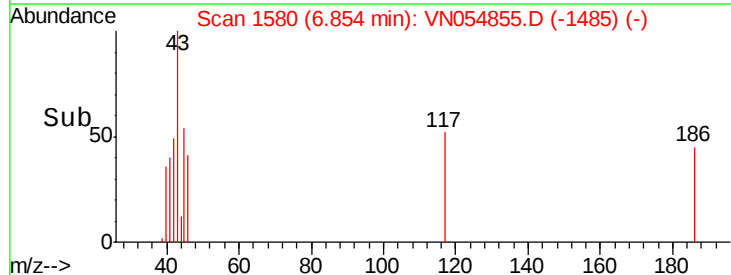
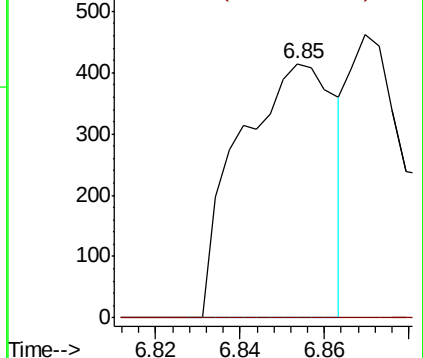
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.6#

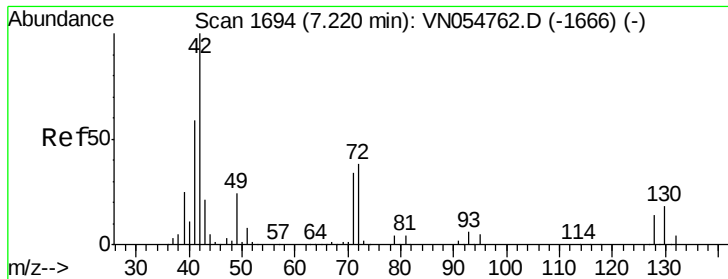


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.517 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

ClientSampled :

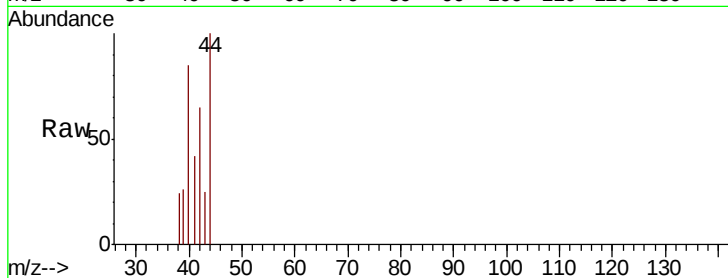
Tot Ion: 42 Resp: 928

Ion Ratio Lower Upper

42 100

72 7.3 37.8 56.6#

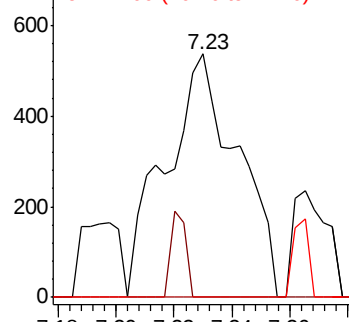
71 0.0 36.2 54.2#



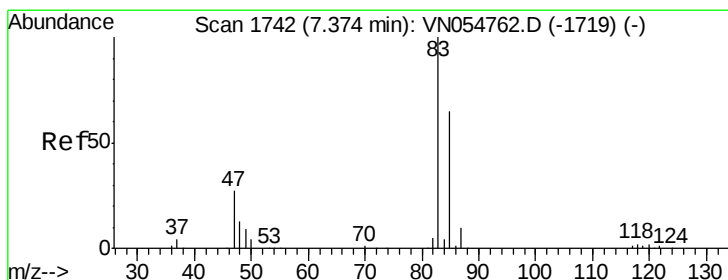
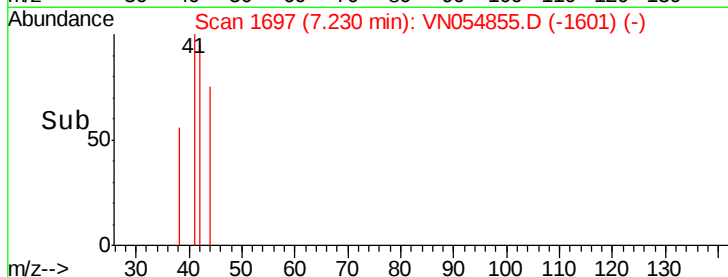
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#30

Chloroform

Concen: 0.692 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054855.D

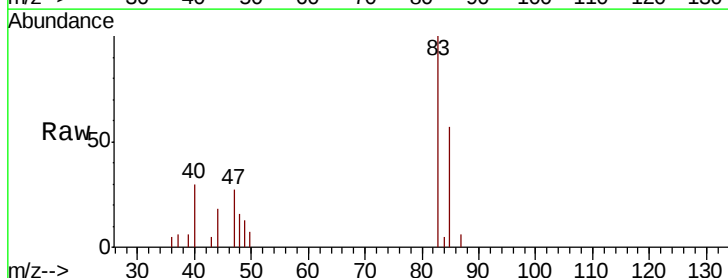
Acq: 31 Mar 2019 17:18

Tgt Ion: 83 Resp: 7325

Ion Ratio Lower Upper

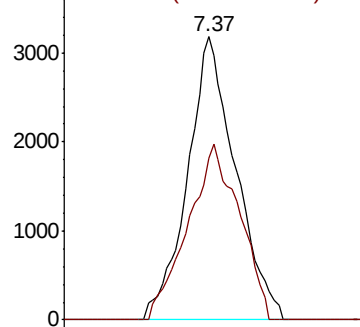
83 100

85 57.1 52.2 78.4

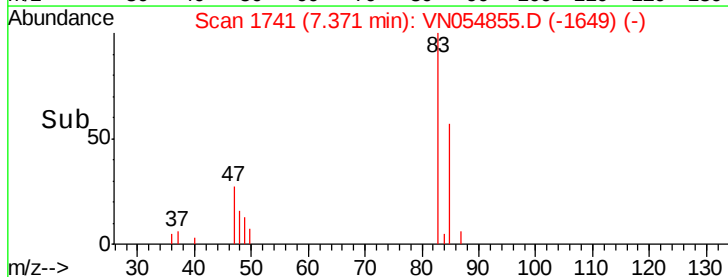


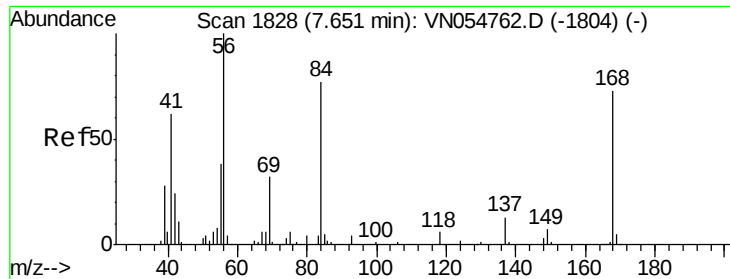
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->

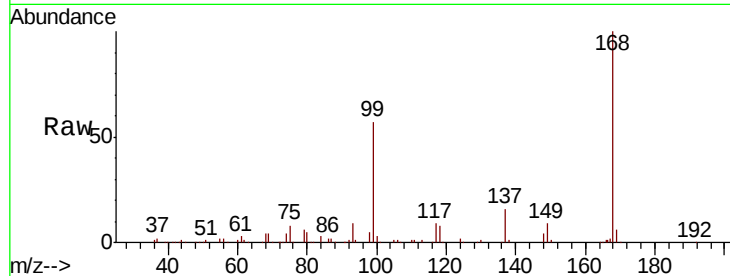




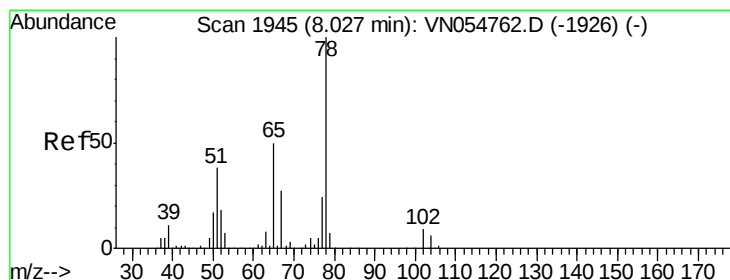
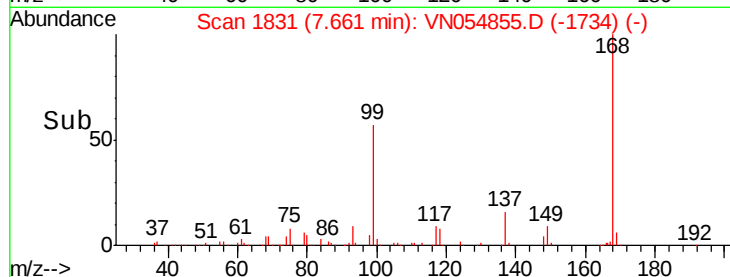
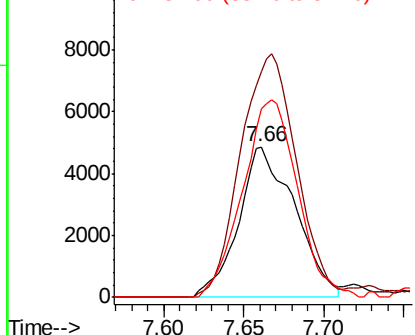
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11798
Ion Ratio Lower Upper
56 100
69 149.8 27.8 41.6#
84 125.4 74.6 111.8#

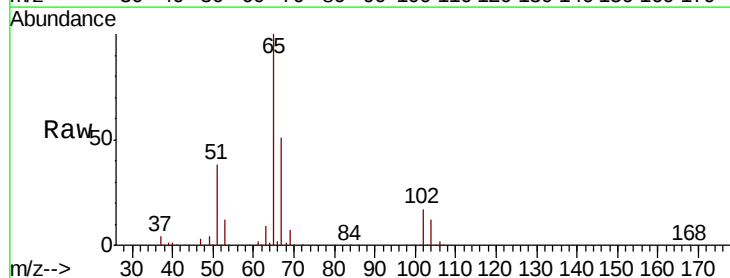


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

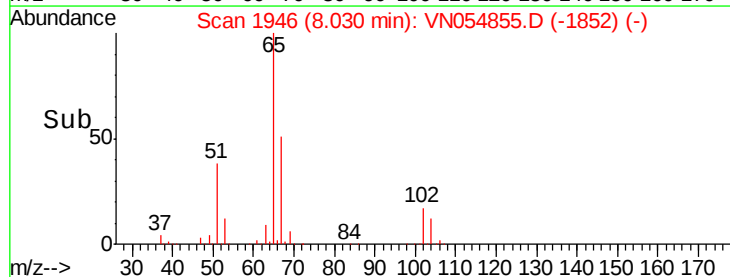
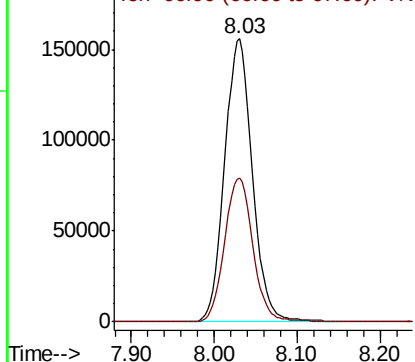


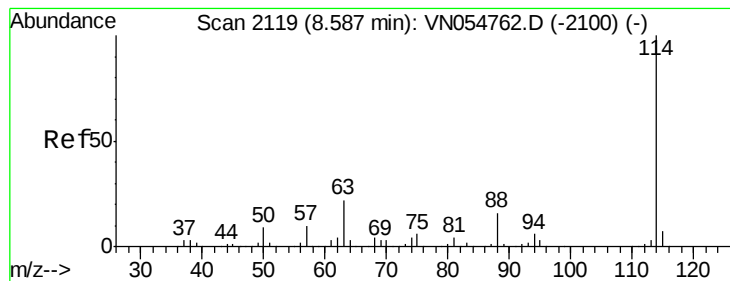
#33
1,2-Dichloroethane-d4
Concen: 49.633 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion: 65 Resp: 363631
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6



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: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampled :

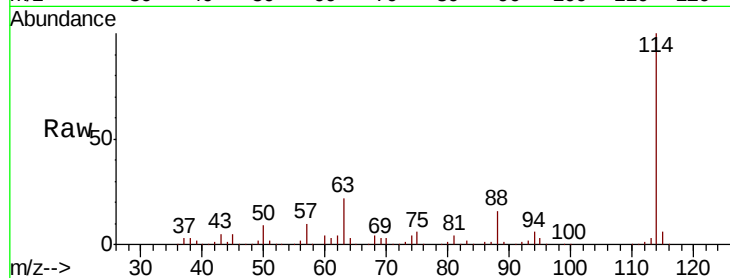
Tot Ion:114 Resp: 882808

Ion Ratio Lower Upper

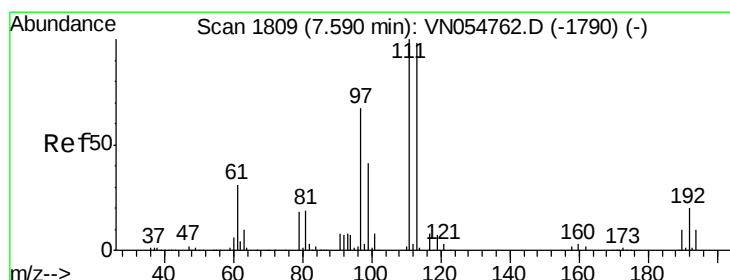
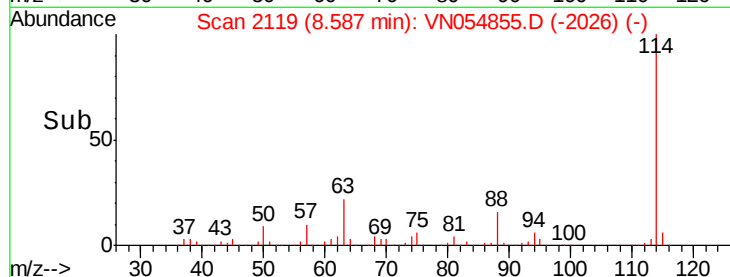
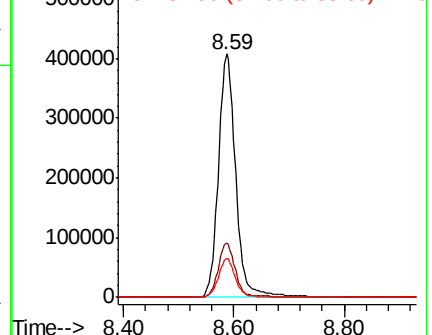
114 100

63 22.3 0.0 35.2

88 15.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.707 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

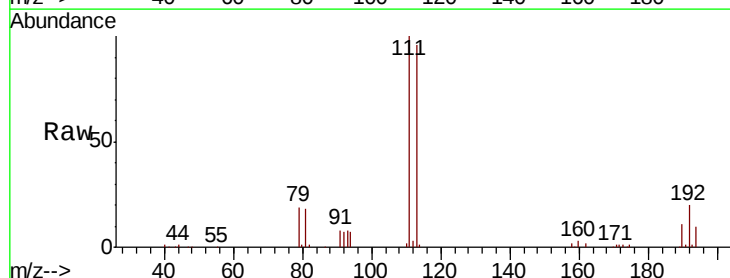
Tgt Ion:113 Resp: 280785

Ion Ratio Lower Upper

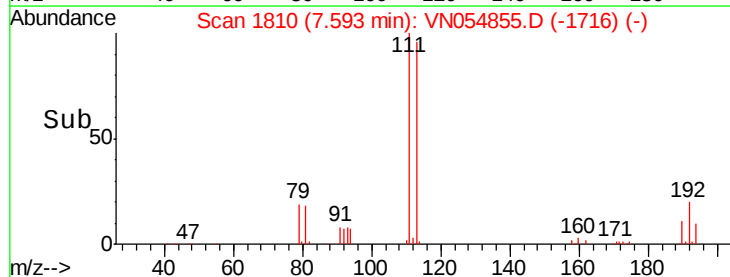
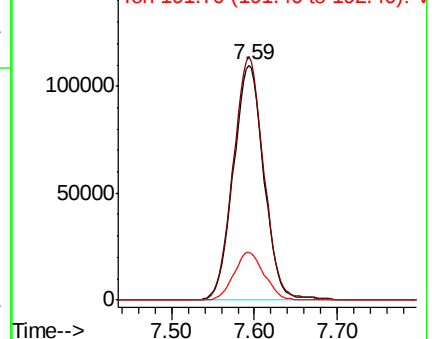
113 100

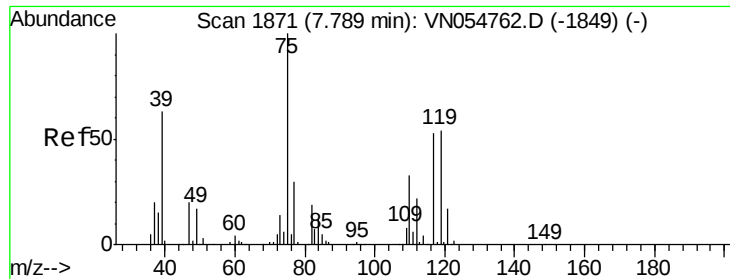
111 103.7 82.2 123.4

192 20.3 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

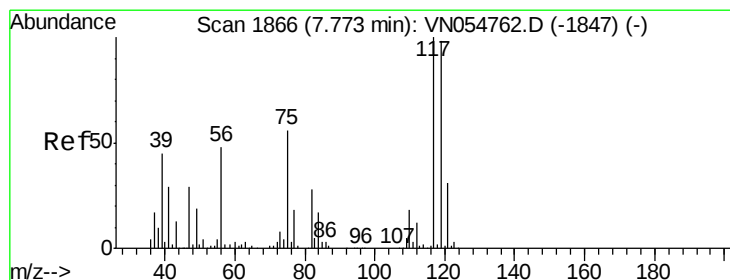
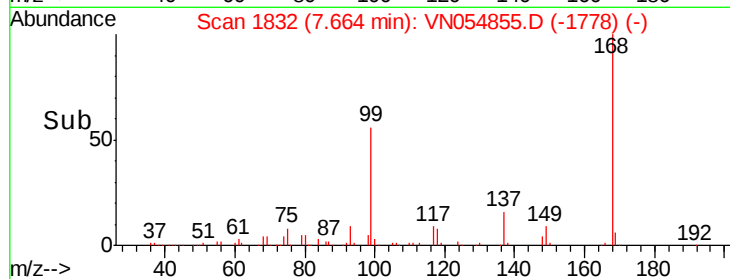
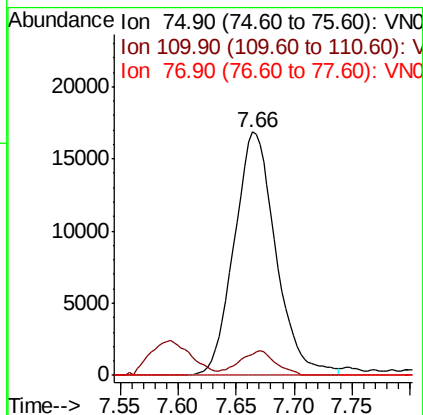
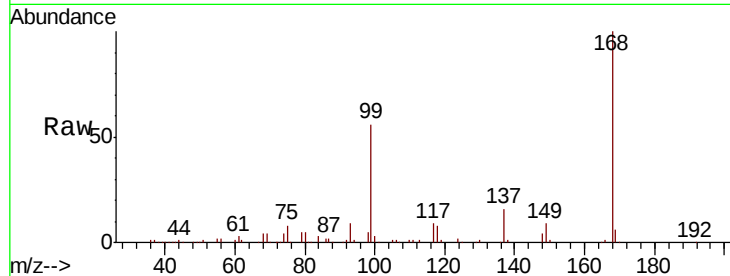




#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054855.D
 Acq: 31 Mar 2019 17:18

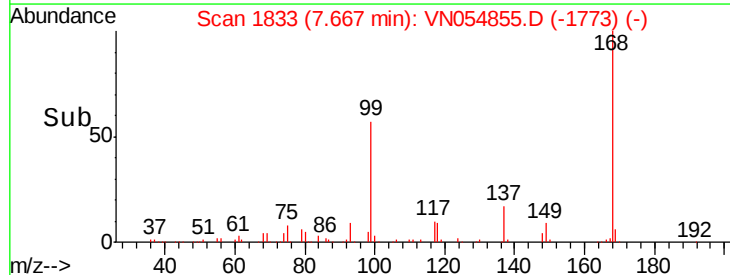
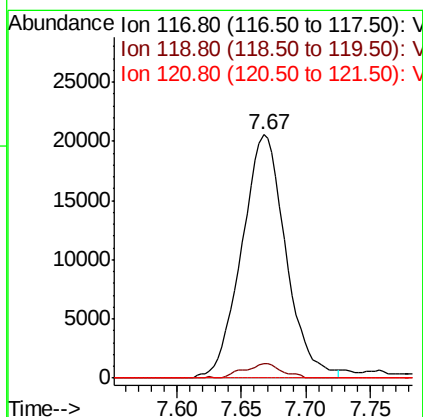
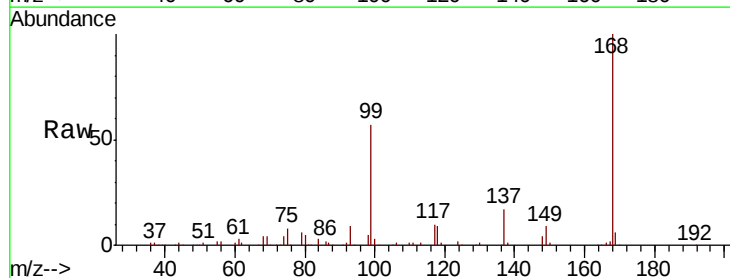
Instrument :
 MSVOA_N
 ClientSampleId :

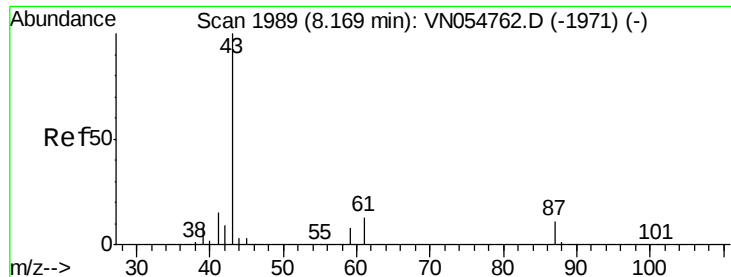
Tot Ion: 75 Resp: 42149
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.133 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054855.D
 Acq: 31 Mar 2019 17:18

Tgt Ion: 117 Resp: 49005
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.768 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

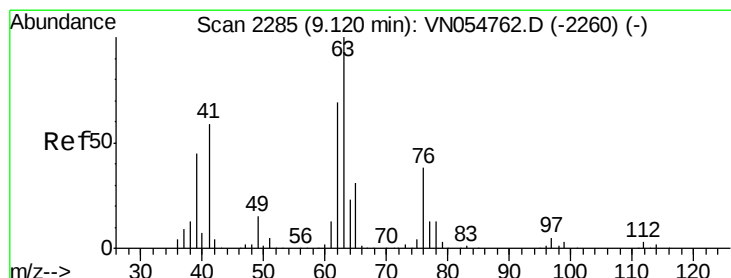
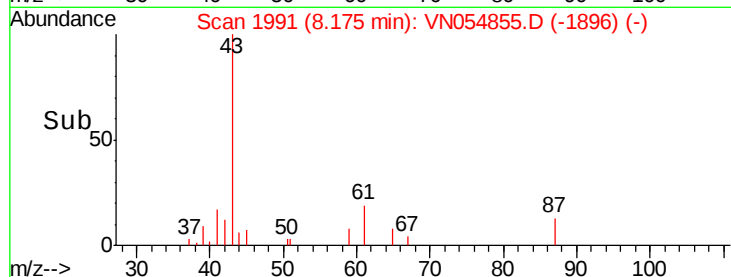
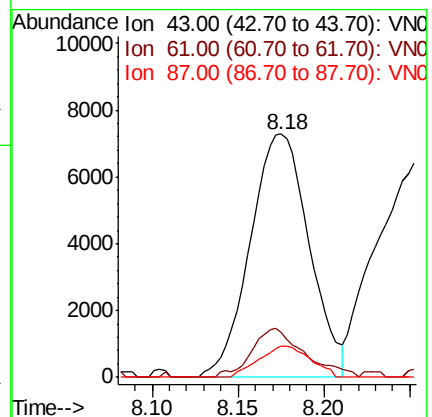
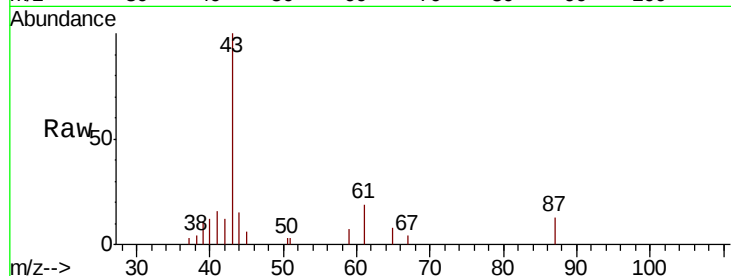
Tot Ion: 43 Resp: 17331

Ion Ratio Lower Upper

43 100

61 18.1 15.8 23.8

87 11.1 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.317 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN054855.D

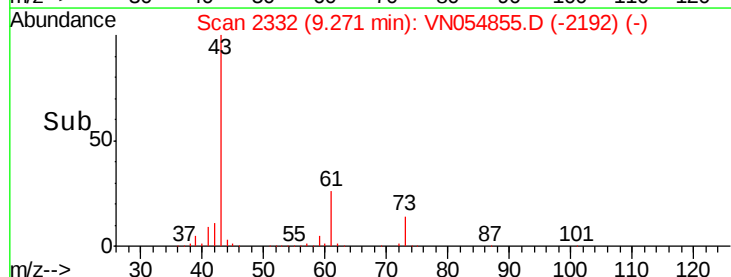
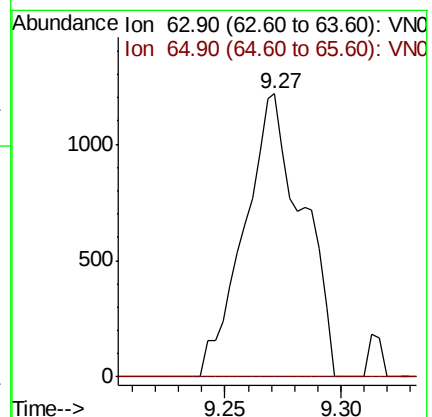
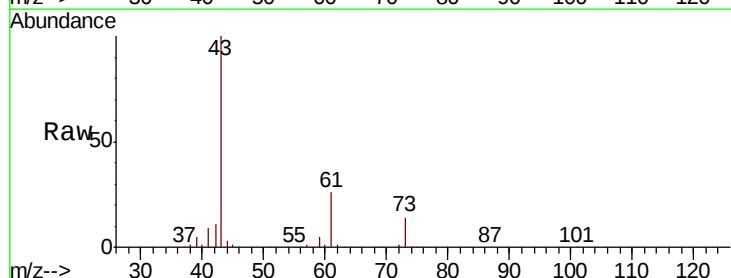
Acq: 31 Mar 2019 17:18

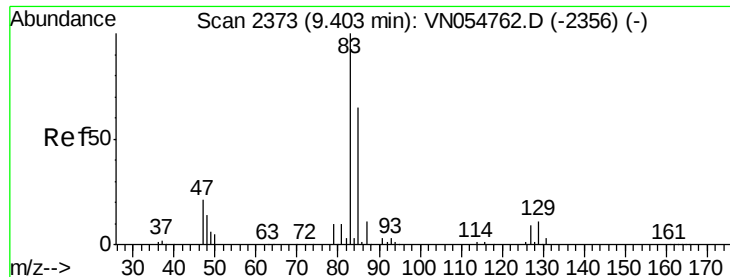
Tgt Ion: 63 Resp: 2127

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#





#47

Bromodichloromethane

Concen: 0.240 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

ClientSampled :

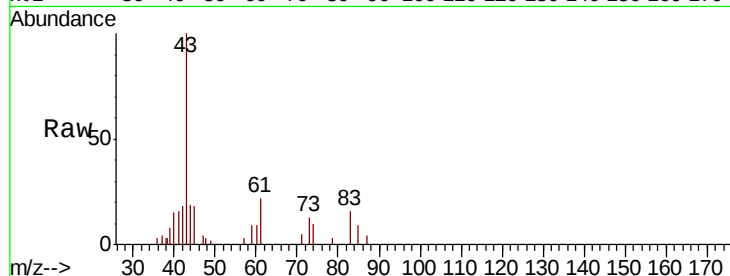
Tot Ion: 83 Resp: 1884

Ion Ratio Lower Upper

83 100

85 55.6 52.8 79.2

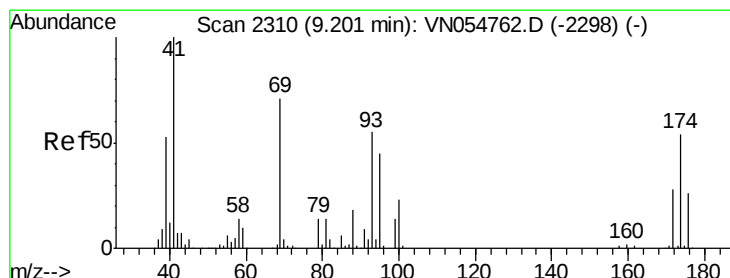
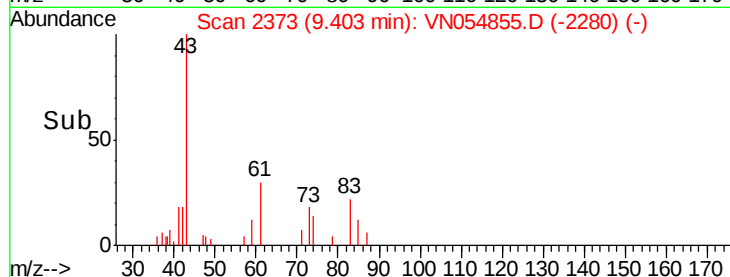
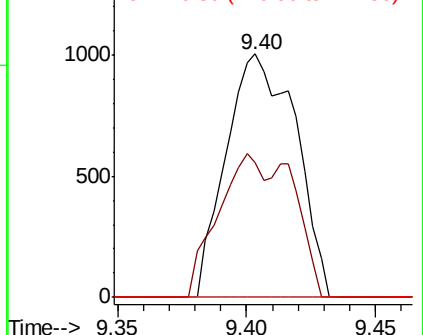
127 0.0 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 1.438 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

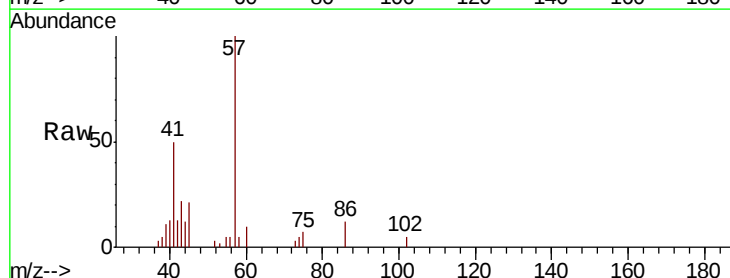
Tgt Ion: 41 Resp: 7642

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

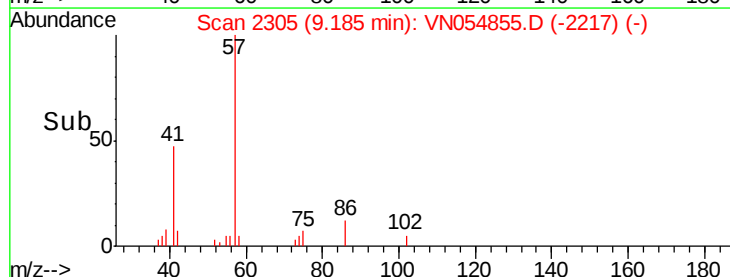
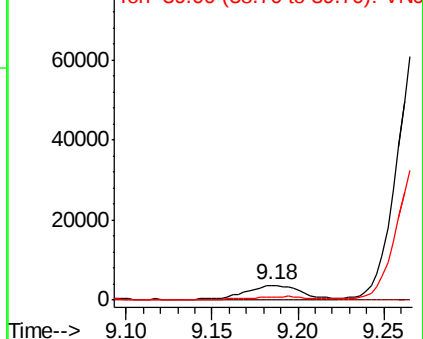
39 0.0 47.5 71.3#

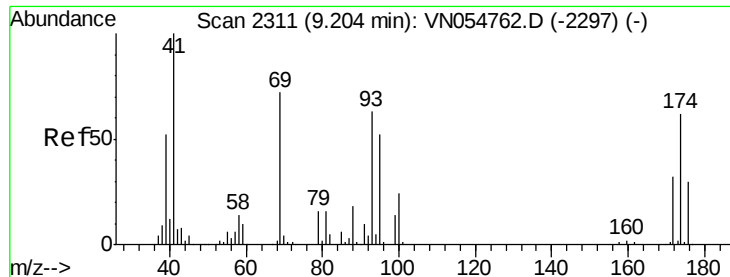


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.550 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :

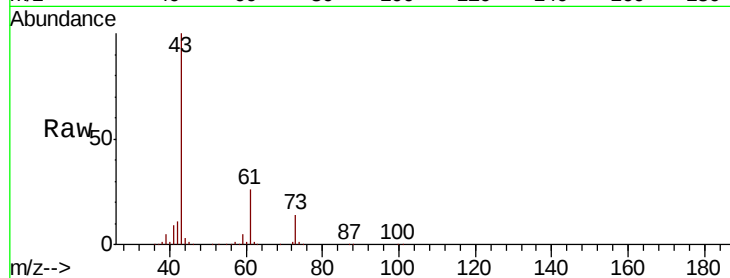
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

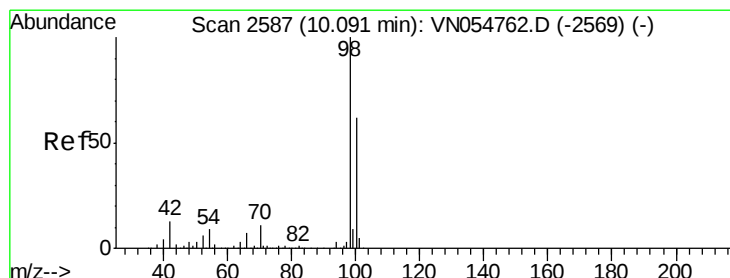
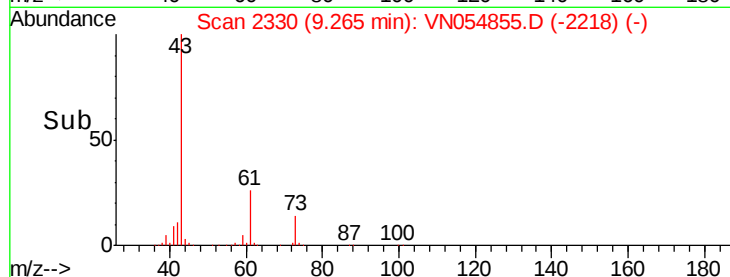
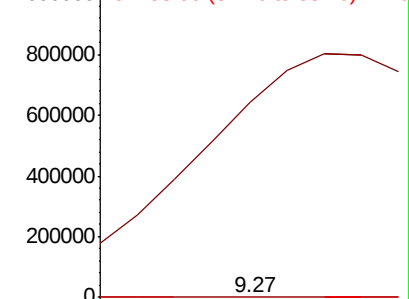
88 100

43 5430782.8 24.1 36.1#

58 0.0 50.8 76.2#



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



#50

Toluene-d8

Concen: 47.986 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054855.D

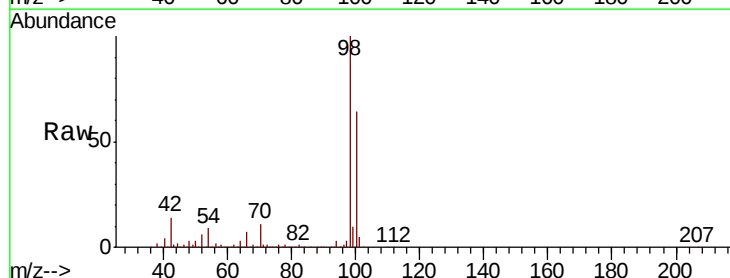
Acq: 31 Mar 2019 17:18

Tgt Ion: 98 Resp: 1050001

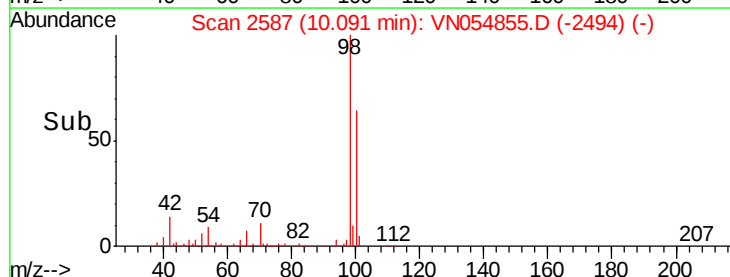
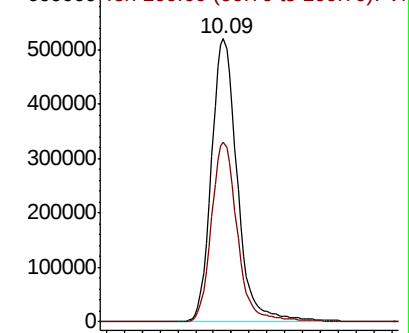
Ion Ratio Lower Upper

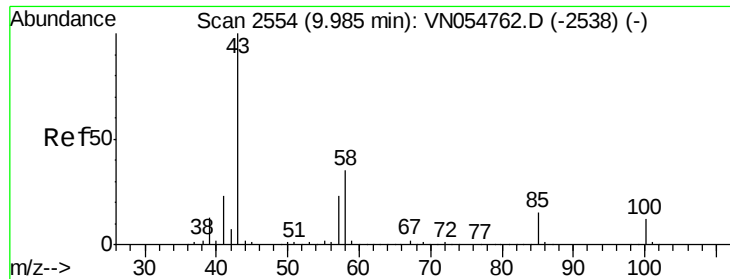
98 100

100 63.5 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.593 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

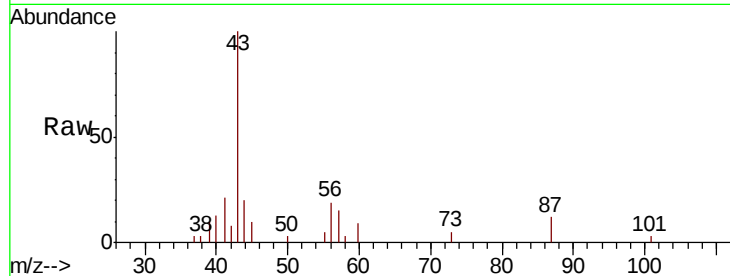
ClientSampled :

Tot Ion: 43 Resp: 8777

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

6000

4000

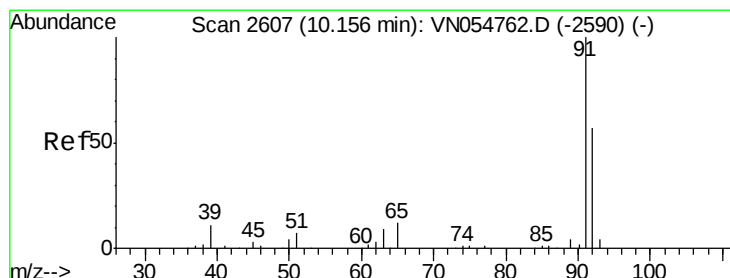
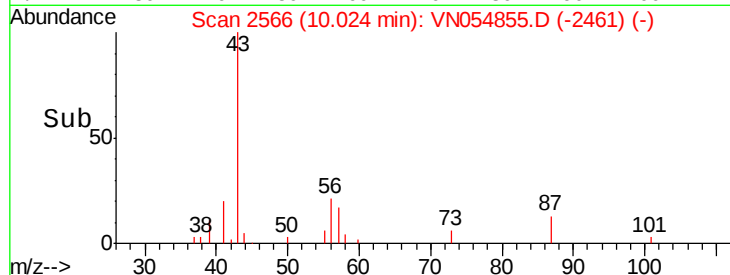
2000

0

Time-->

10.00

10.05



#52

Toluene

Concen: 0.230 ug/l

RT: 10.16 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VN054855.D

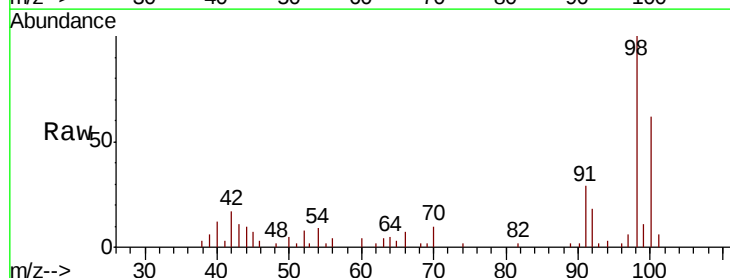
Acq: 31 Mar 2019 17:18

Tgt Ion: 92 Resp: 3226

Ion Ratio Lower Upper

92 100

91 182.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

3000

2000

1000

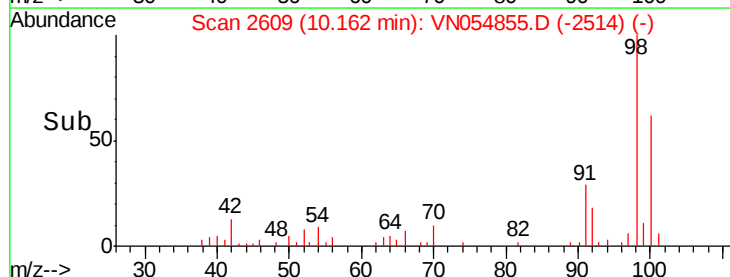
0

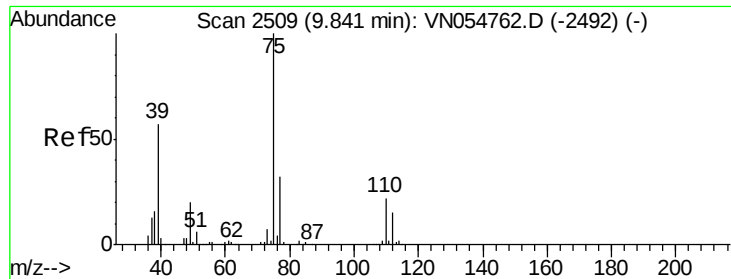
Time-->

10.10

10.15

10.20





#54

cis-1,3-Dichloropropene

Concen: 6.371 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

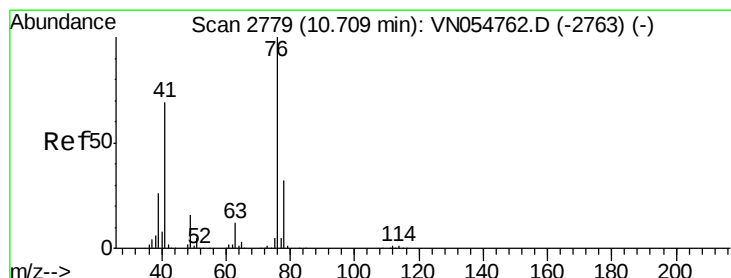
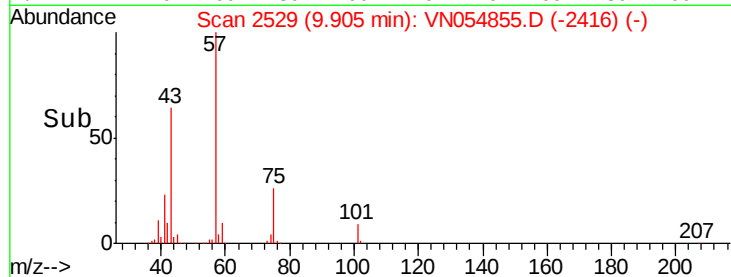
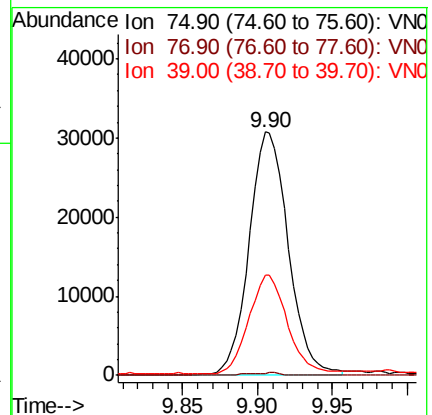
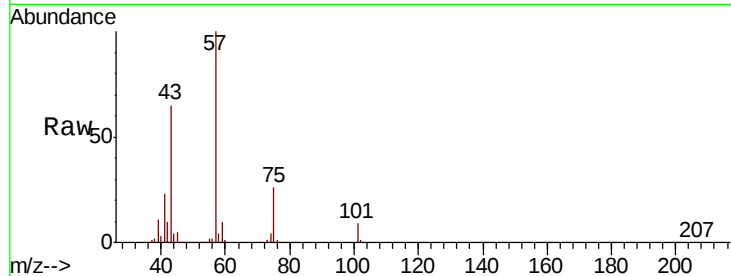
Tot Ion: 75 Resp: 56177

Ion Ratio Lower Upper

75 100

77 0.8 25.4 38.0#

39 40.7 37.2 55.8



#57

1,3-Dichloropropane

Concen: 1.281 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054855.D

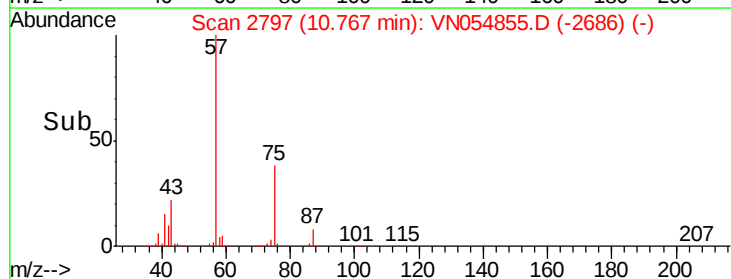
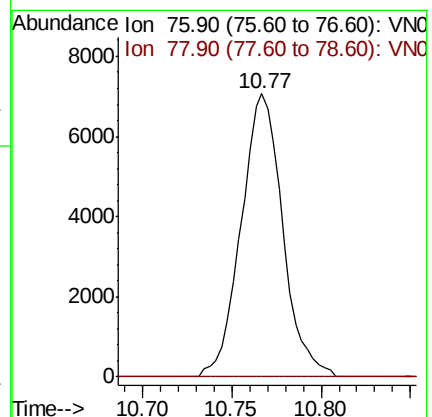
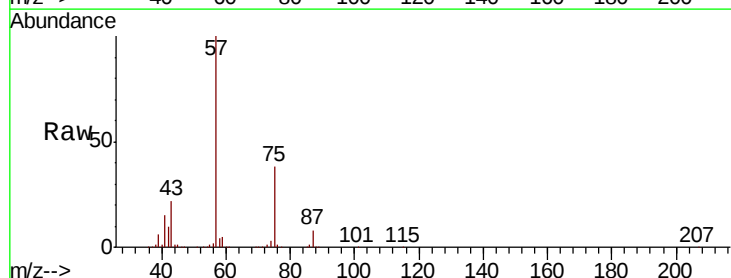
Acq: 31 Mar 2019 17:18

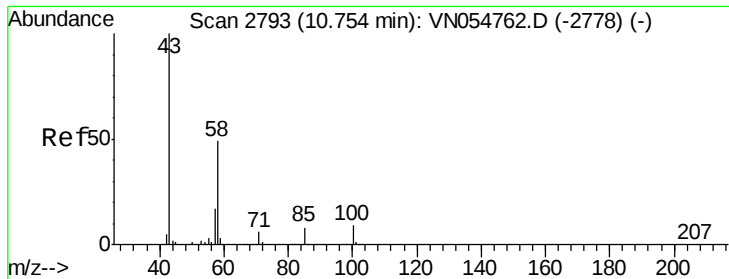
Tgt Ion: 76 Resp: 11471

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#

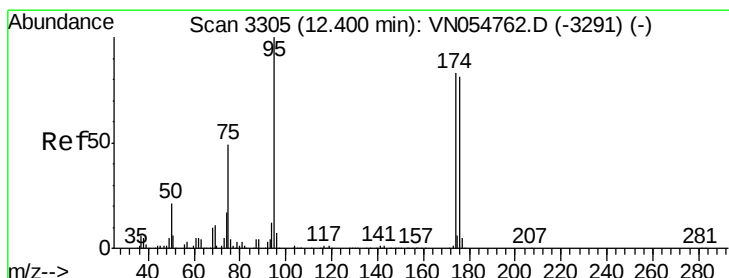
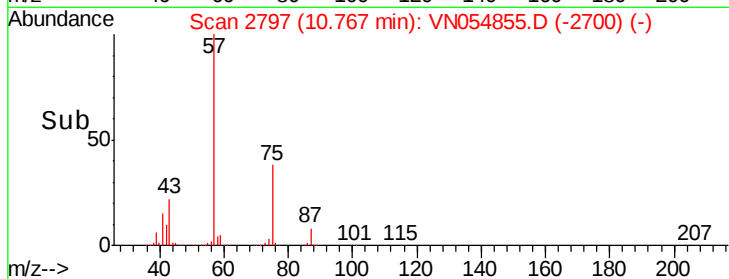
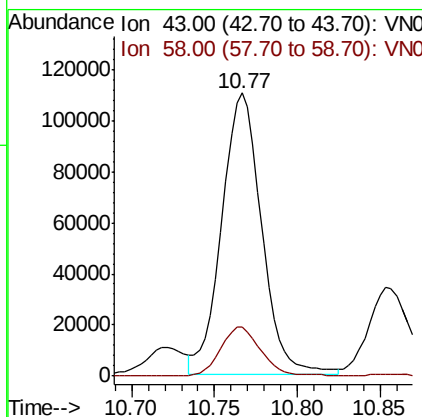
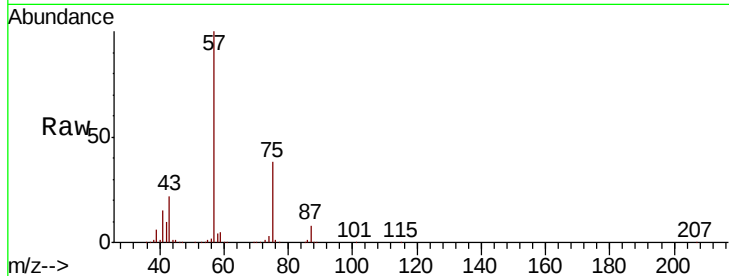




#59
2-Hexanone
Concen: 52.194 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

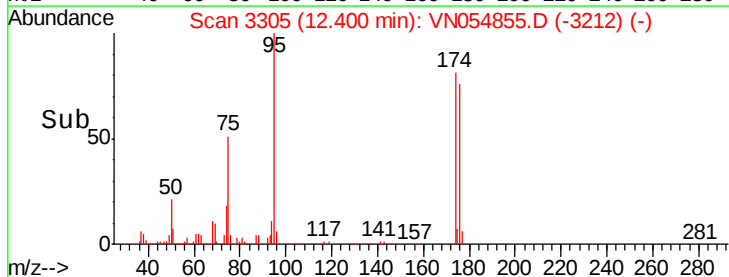
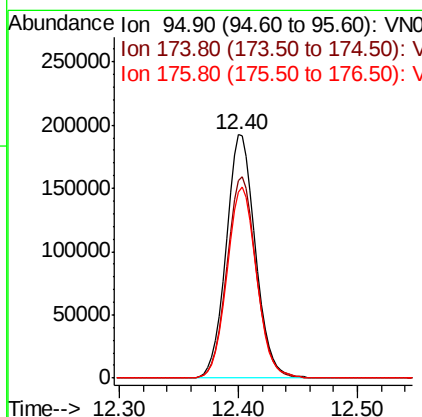
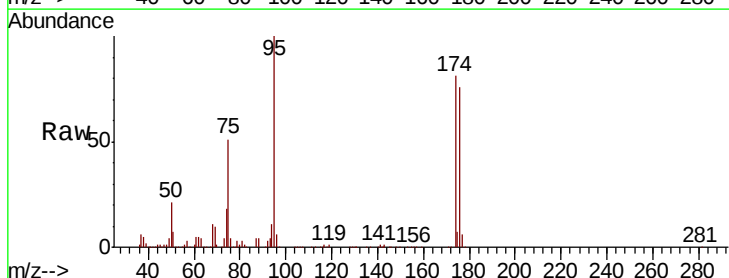
Instrument :
MSVOA_N
ClientSampleId :

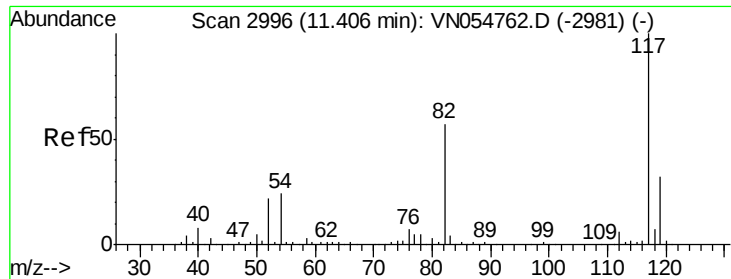
Tot Ion: 43 Resp: 184128
Ion Ratio Lower Upper
43 100
58 18.0 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 45.030 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion: 95 Resp: 327697
Ion Ratio Lower Upper
95 100
174 83.3 0.0 191.0
176 79.5 0.0 187.4

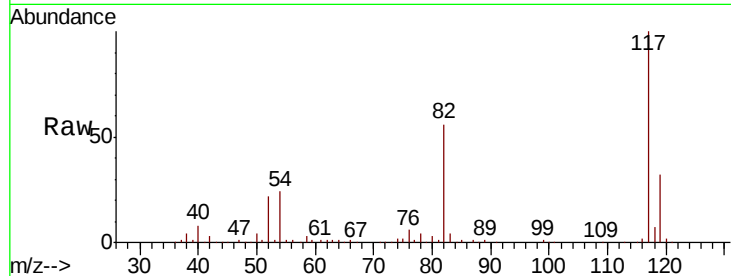




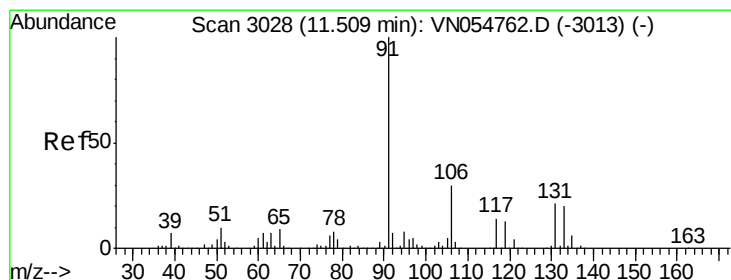
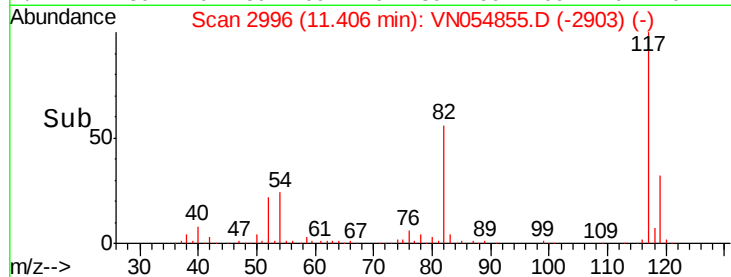
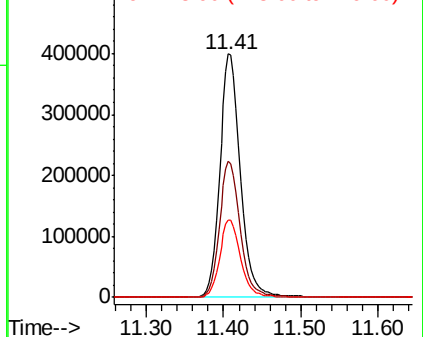
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 741975
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 31.8 25.8 38.6

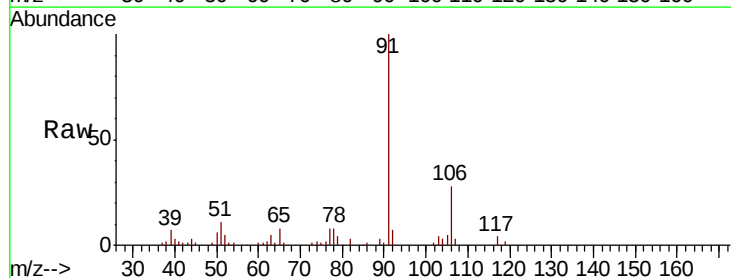


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

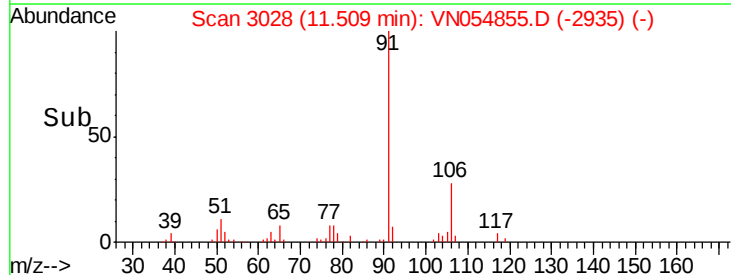
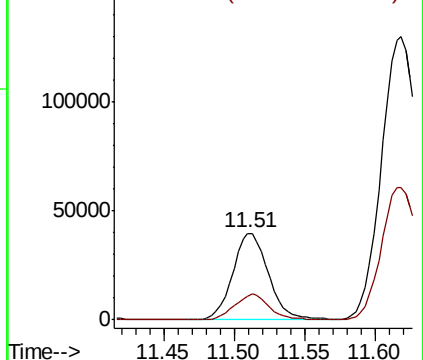


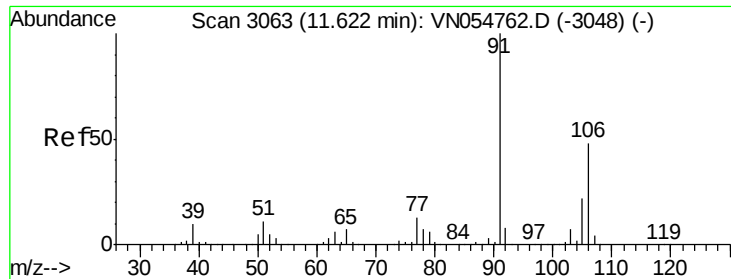
#67
Ethyl Benzene
Concen: 2.691 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion: 91 Resp: 70543
Ion Ratio Lower Upper
91 100
106 27.6 25.5 38.3



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

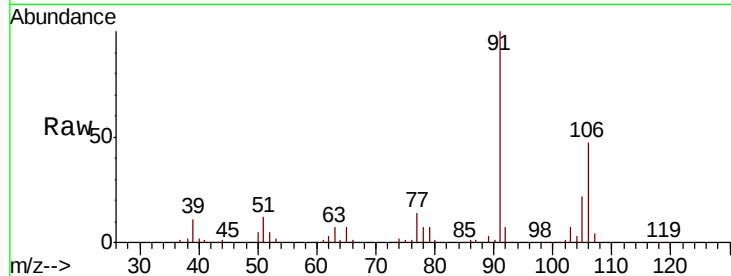




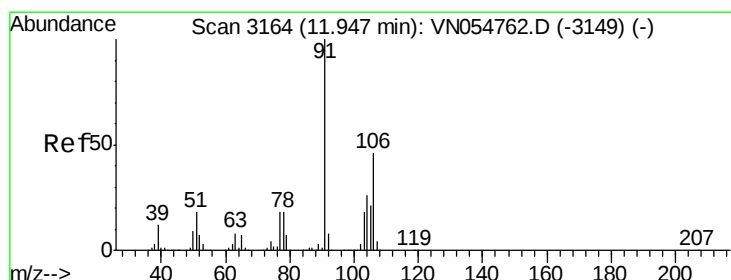
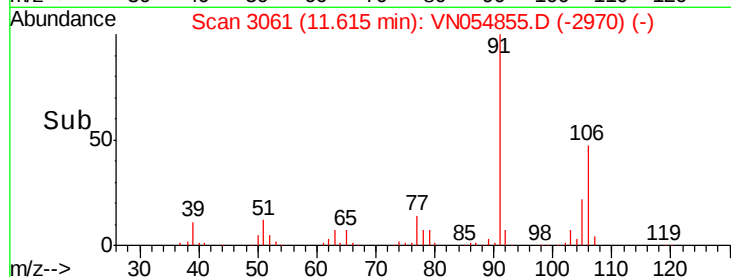
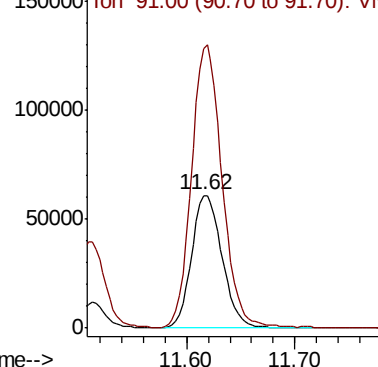
#68
m/p-Xylenes
Concen: 12.352 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 119832
Ion Ratio Lower Upper
106 100
91 211.2 159.4 239.2

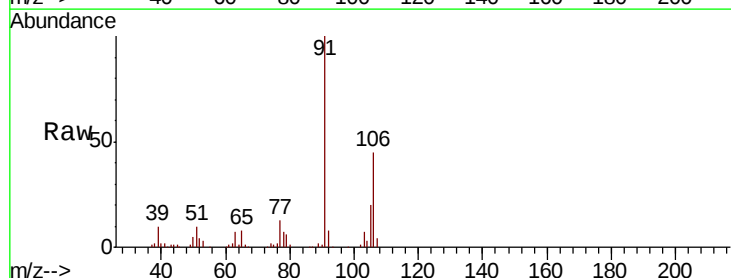


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

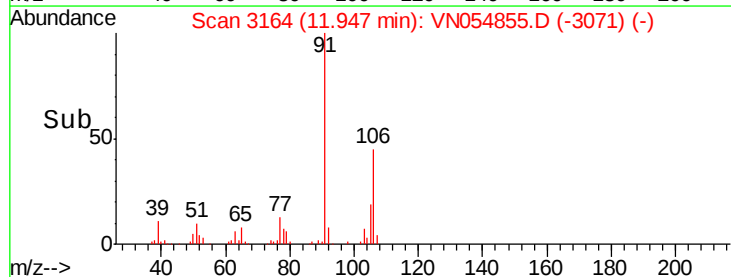
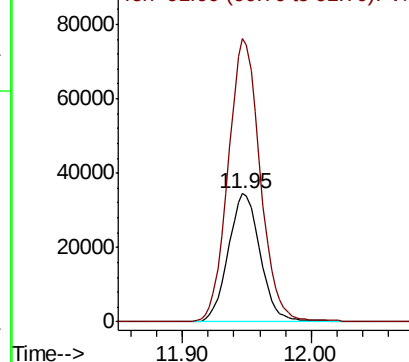


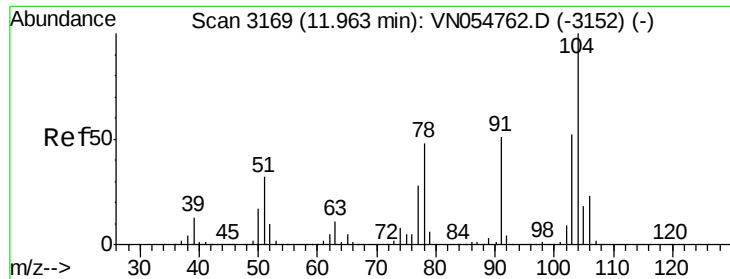
#69
o-Xylene
Concen: 6.239 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion:106 Resp: 59353
Ion Ratio Lower Upper
106 100
91 220.2 105.7 317.1



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

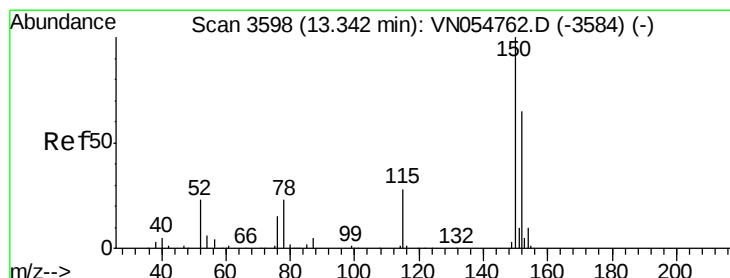
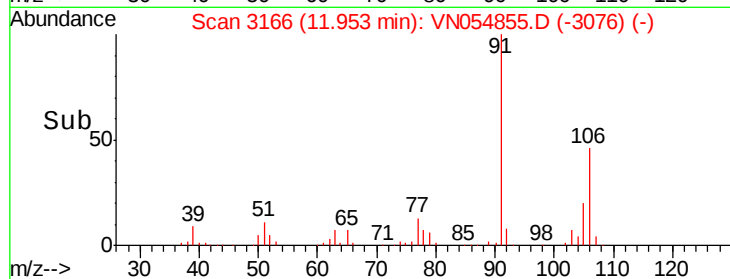
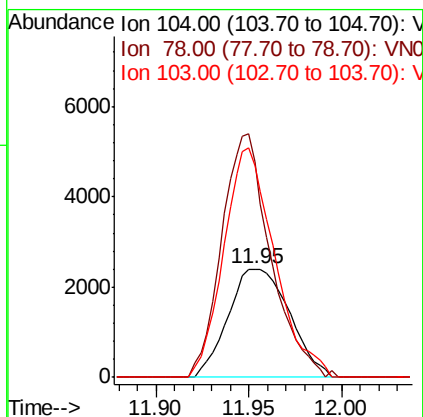
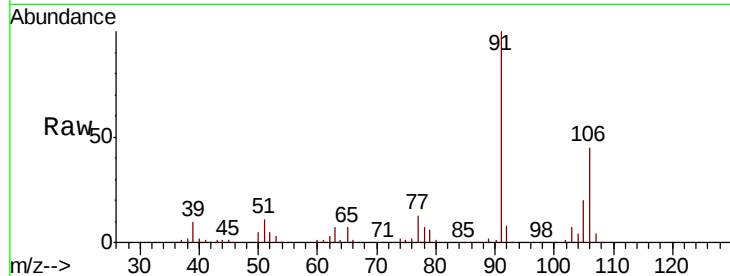




#70
Stvrene
Concen: 0.362 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

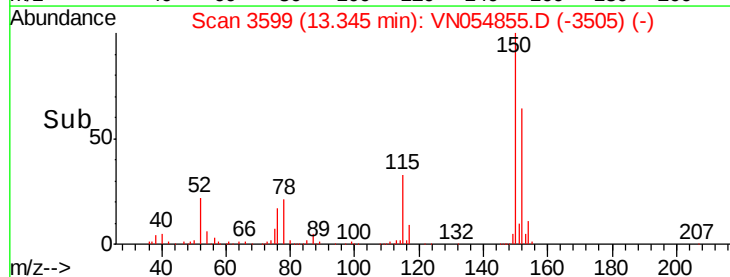
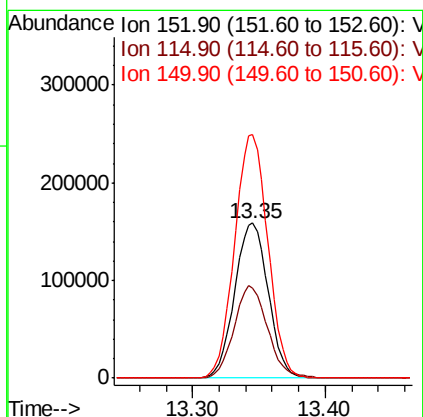
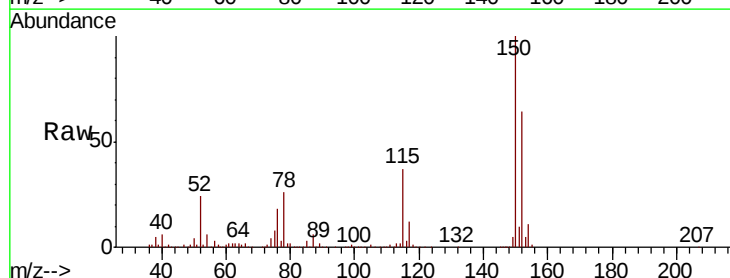
Instrument :
MSVOA_N
ClientSampled :

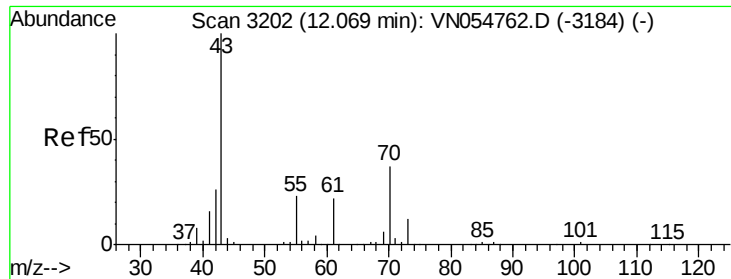
Tot Ion:104 Resp: 5501
Ion Ratio Lower Upper
104 100
78 179.1 38.2 57.2#
103 175.9 44.4 66.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion:152 Resp: 277956
Ion Ratio Lower Upper
152 100
115 59.9 27.2 81.6
150 156.1 0.0 349.2





#74

N-amvl acetate

Concen: 2.666 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 18868

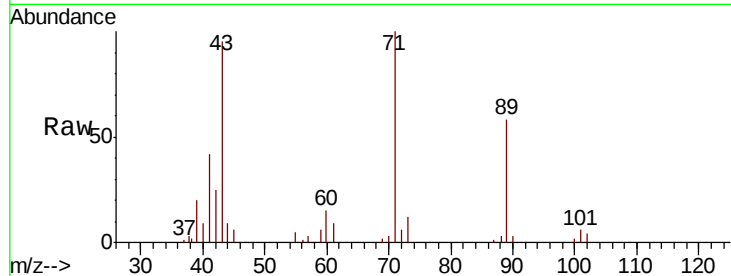
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.0#

55 5.3 19.8 29.6#

61 9.5 19.8 29.6#

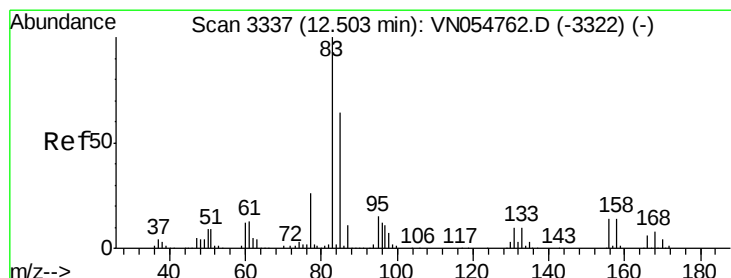
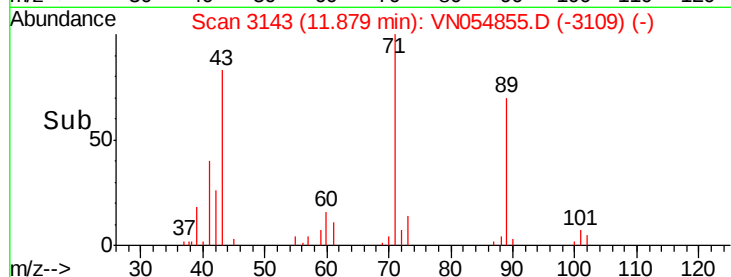
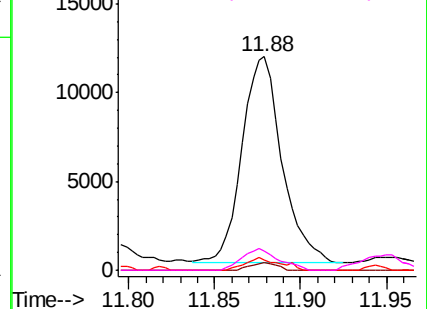


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 12.39 min Scan# 3303

Delta R.T. -0.11 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

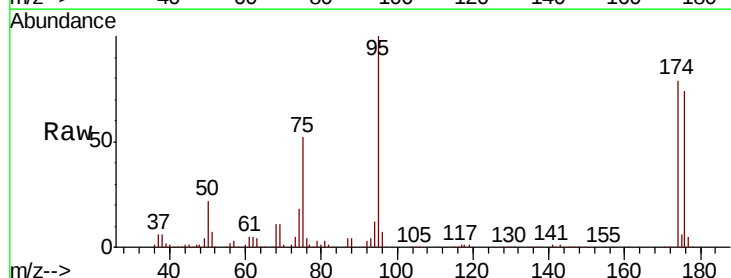
Tgt Ion: 83 Resp: 222

Ion Ratio Lower Upper

83 100

131 201.4 5.8 17.4#

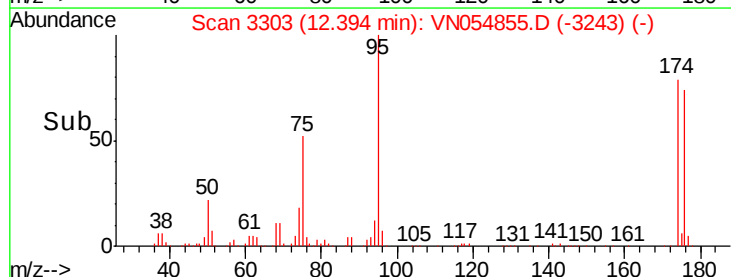
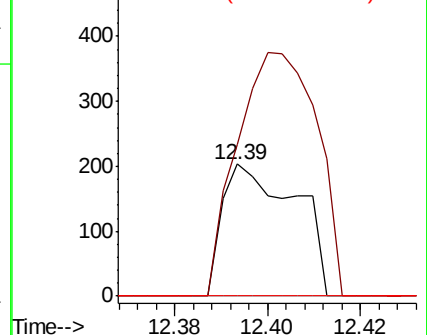
85 0.0 32.2 96.6#

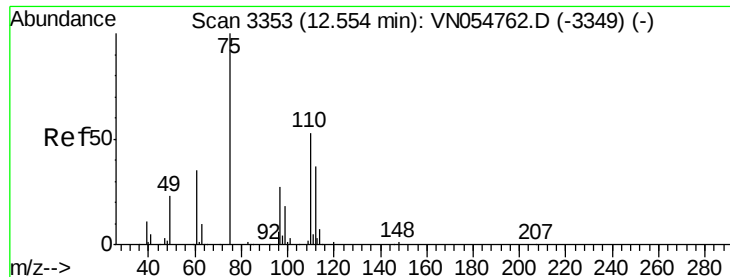


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.667 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

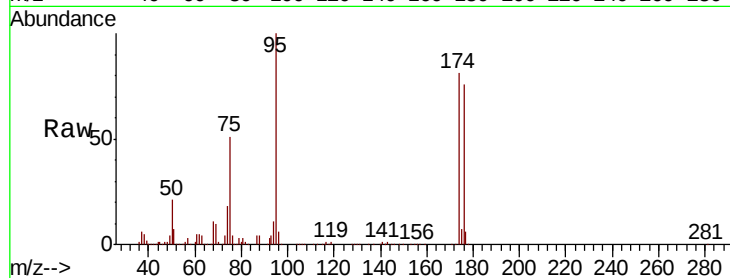
ClientSampled :

Tot Ion: 75 Resp: 167399

Ion Ratio Lower Upper

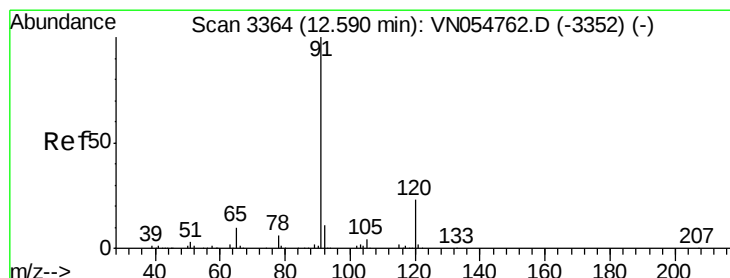
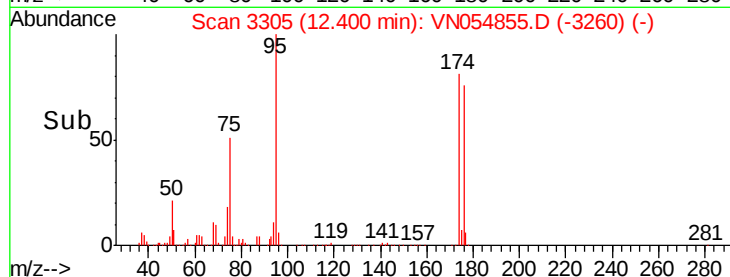
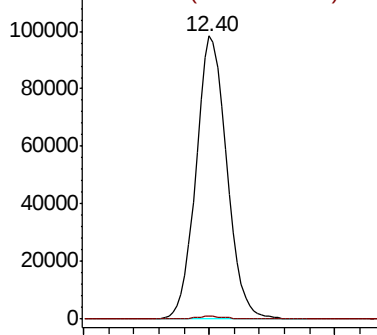
75 100

77 1.0 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: 0.795 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054855.D

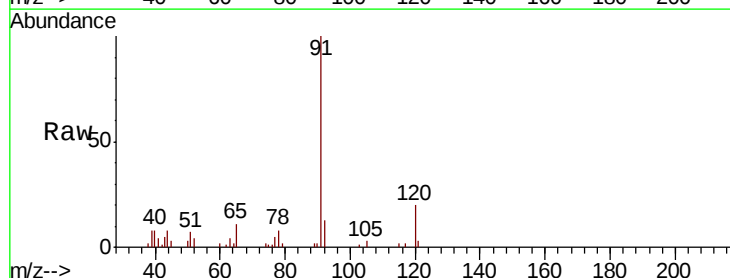
Acq: 31 Mar 2019 17:18

Tgt Ion: 91 Resp: 19845

Ion Ratio Lower Upper

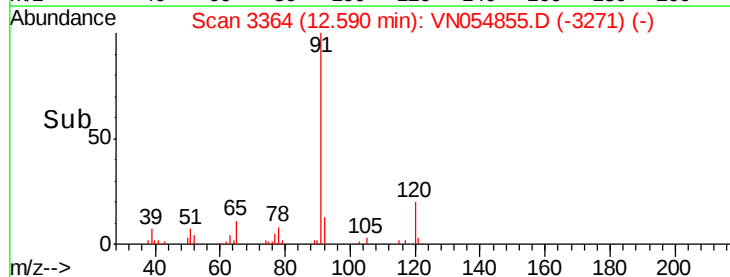
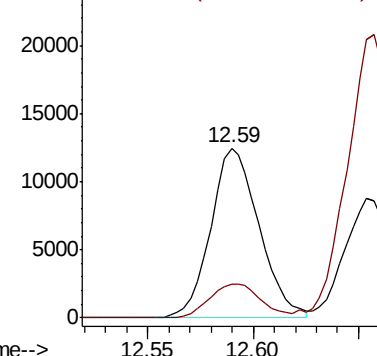
91 100

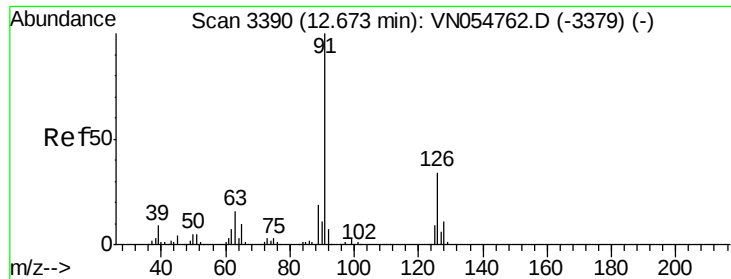
120 21.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

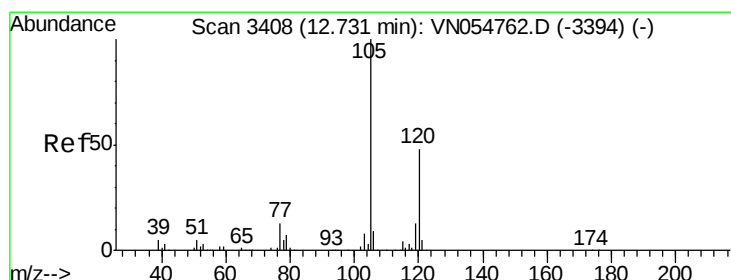
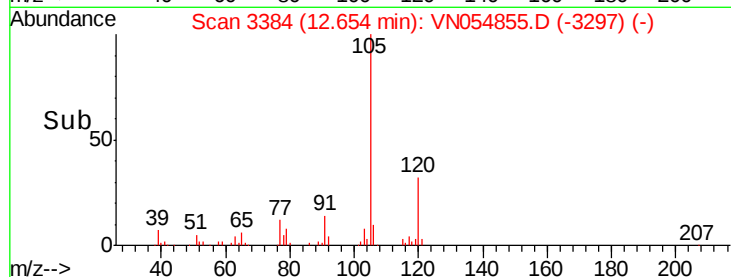
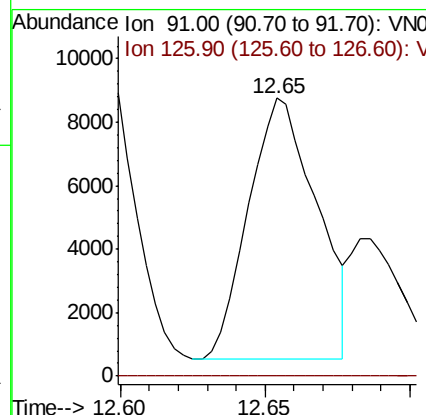
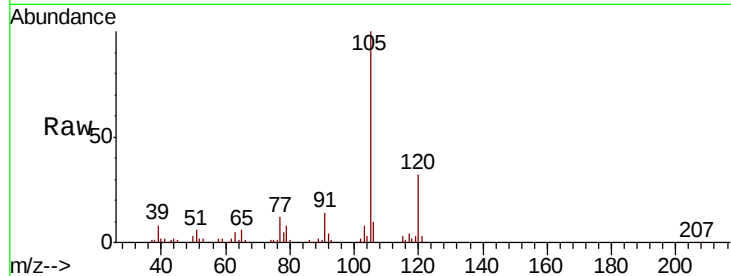




#79
 2-Chlorotoluene
 Concen: 0.871 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN054855.D
 Acq: 31 Mar 2019 17:18

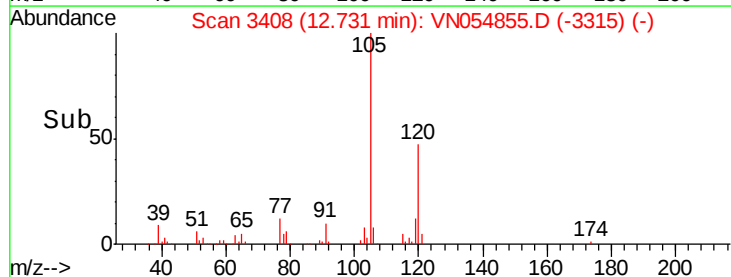
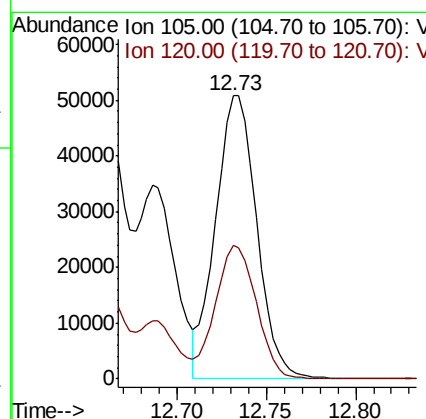
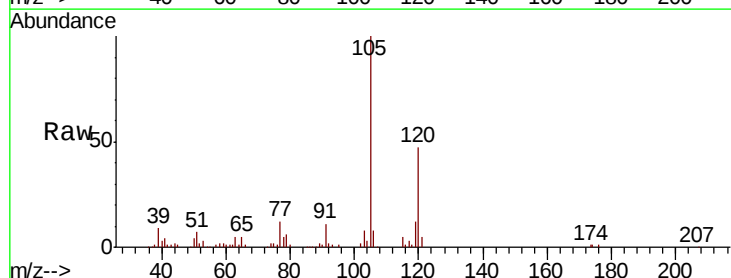
Instrument :
 MSVOA_N
 ClientSampleId :

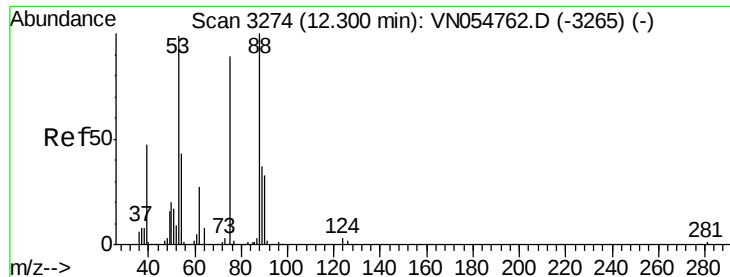
Tot Ion: 91 Resp: 13453
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.372 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054855.D
 Acq: 31 Mar 2019 17:18

Tgt Ion: 105 Resp: 81507
 Ion Ratio Lower Upper
 105 100
 120 46.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 134.847 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

ClientSampled :

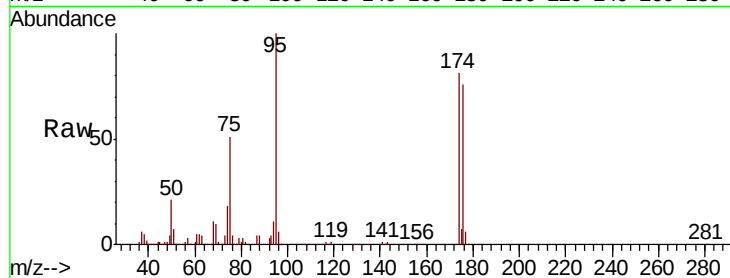
Tot Ion: 75 Resp: 167399

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

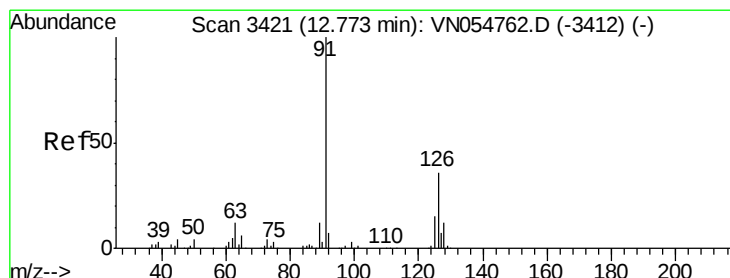
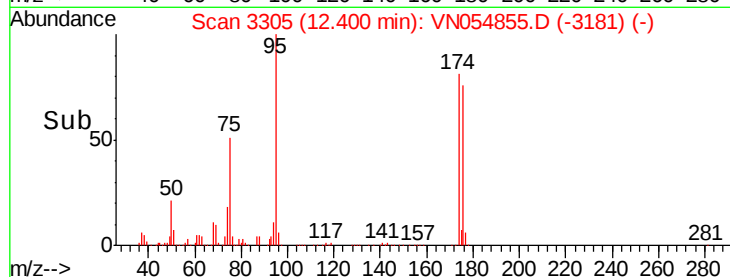
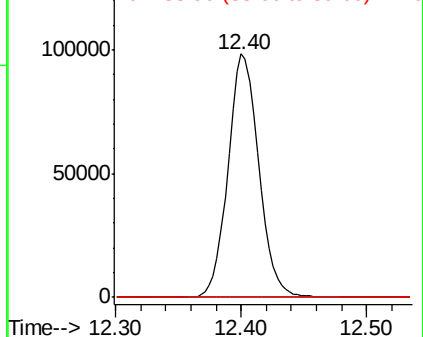
89 0.0 39.2 58.8#



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: 0.520 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN054855.D

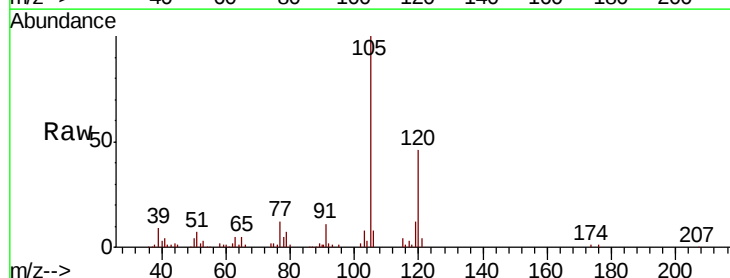
Acq: 31 Mar 2019 17:18

Tgt Ion: 91 Resp: 7805

Ion Ratio Lower Upper

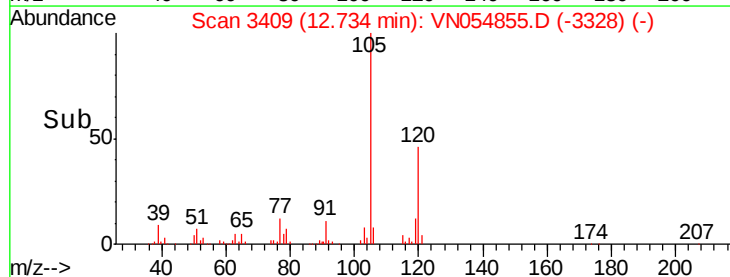
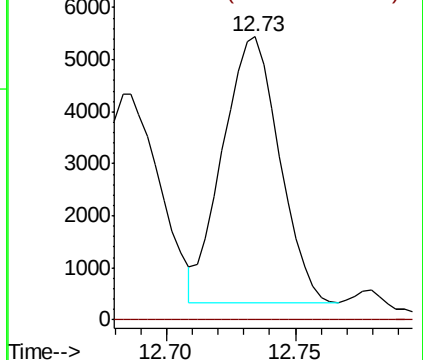
91 100

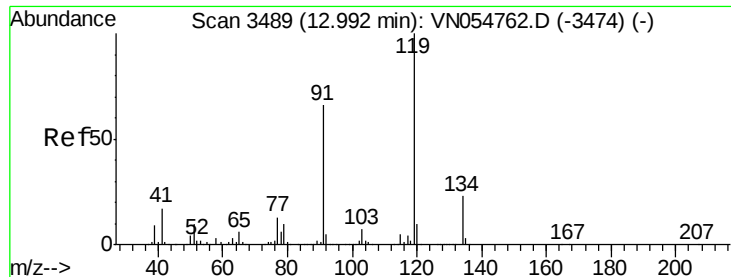
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

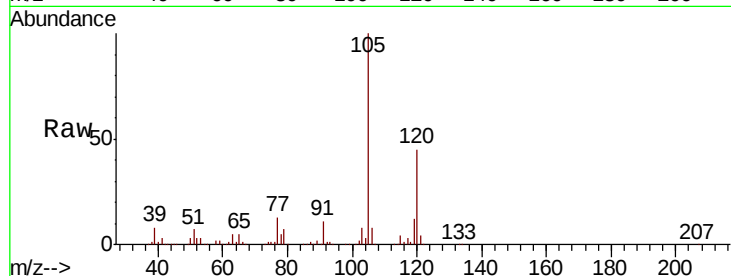




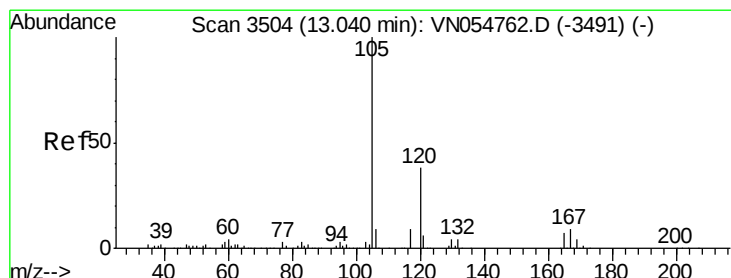
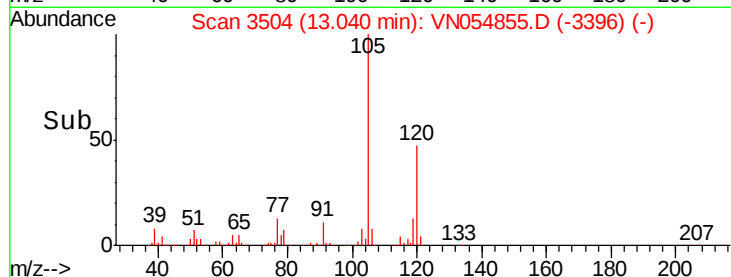
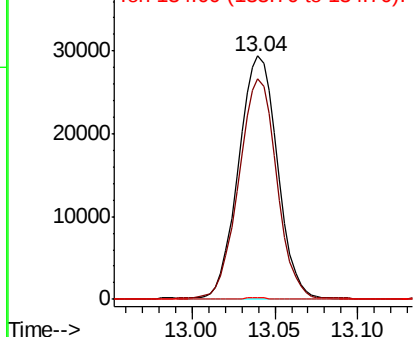
#83
tert-Butylbenzene
Concen: 1.301 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 48146
Ion Ratio Lower Upper
119 100
91 88.4 30.9 92.8
134 0.3 13.2 39.6#

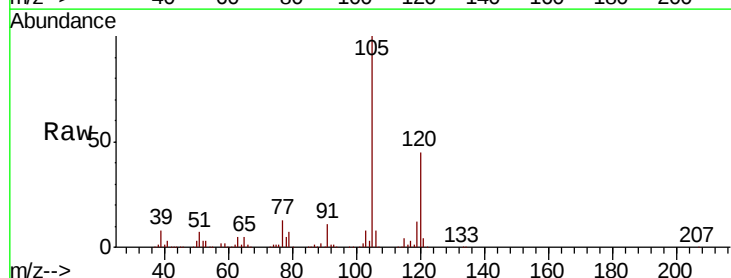


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

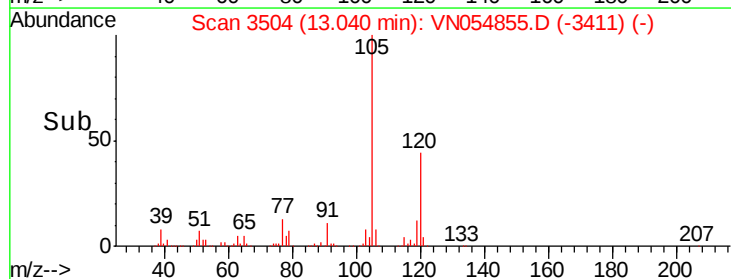
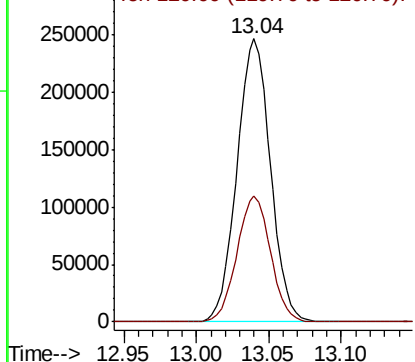


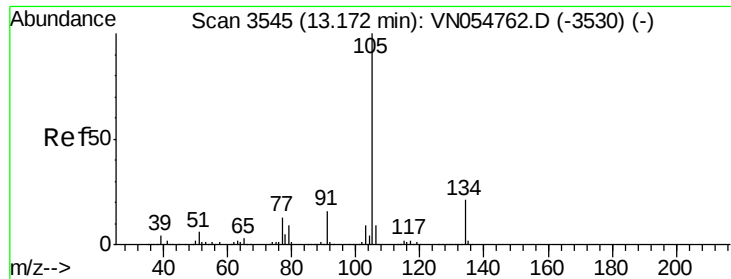
#84
1,2,4-Trimethylbenzene
Concen: 22.213 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054855.D
Acq: 31 Mar 2019 17:18

Tgt Ion:105 Resp: 394510
Ion Ratio Lower Upper
105 100
120 44.6 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 19.481 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

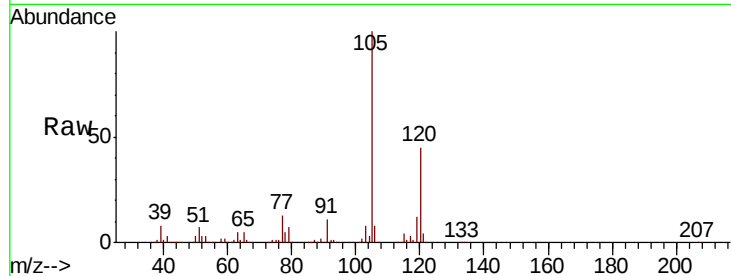
ClientSampled :

Tot Ion:105 Resp: 394510

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.04

250000

200000

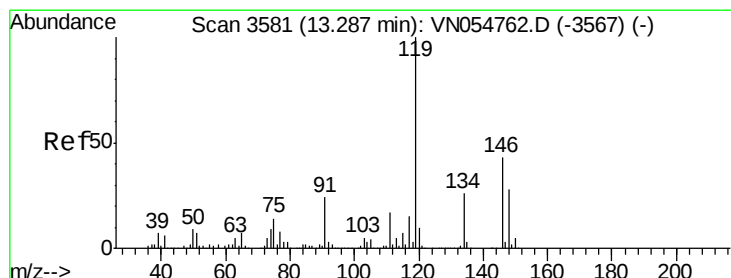
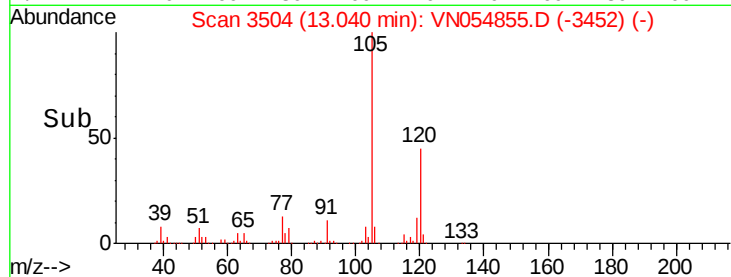
150000

100000

50000

0

Time--> 12.95 13.00 13.05 13.10



#86

p-Isopropyltoluene

Concen: 0.383 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

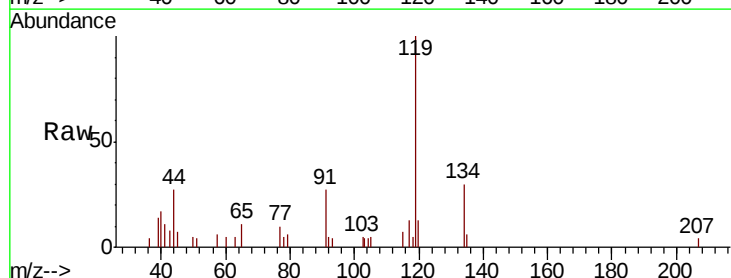
Tgt Ion:119 Resp: 6843

Ion Ratio Lower Upper

119 100

134 31.7 13.6 40.8

91 30.1 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

5000

4000

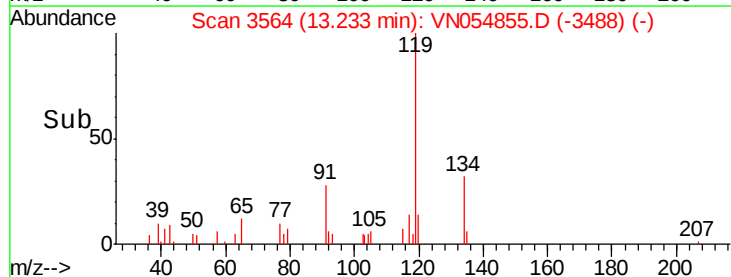
3000

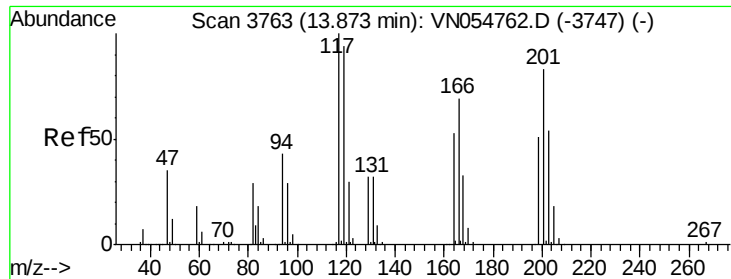
2000

1000

0

Time--> 13.20 13.25





#90

Hexachloroethane

Concen: 0.761 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

Instrument :

MSVOA_N

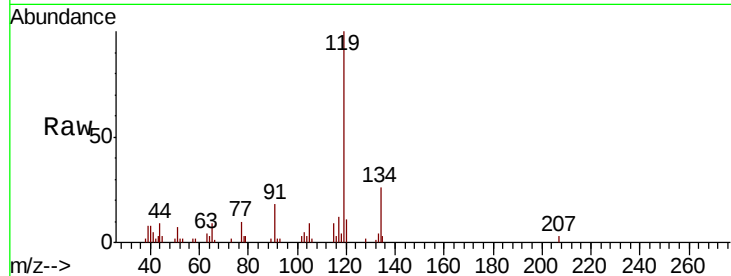
ClientSampleId :

Tot Ion:117 Resp: 2307

Ion Ratio Lower Upper

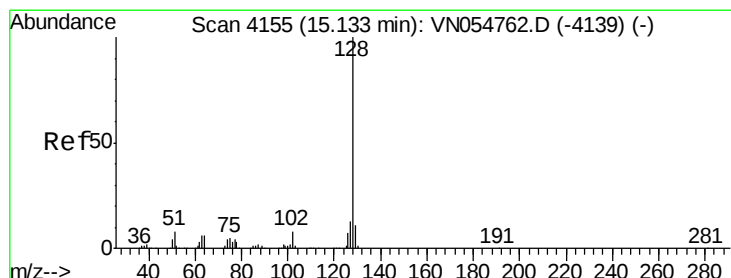
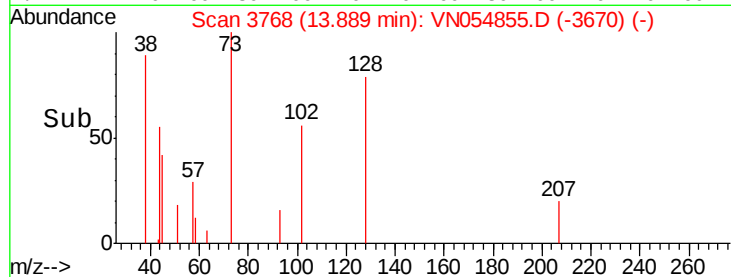
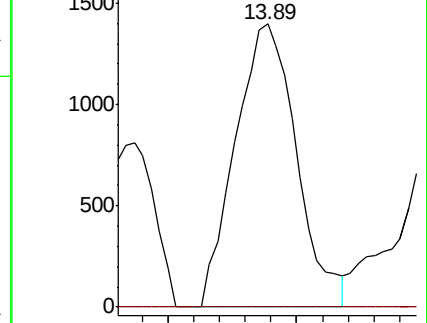
117 100

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



#95

Naphthalene

Concen: 3.839 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054855.D

Acq: 31 Mar 2019 17:18

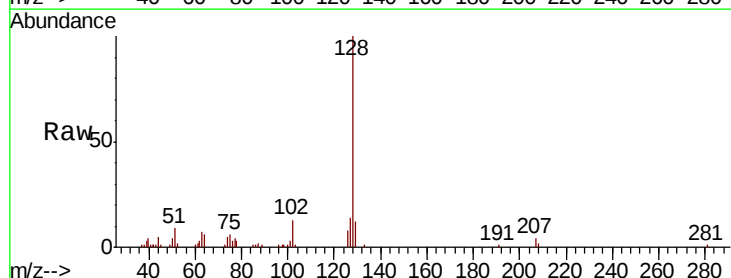
Tgt Ion:128 Resp: 38454

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

129 11.3 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

