

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054371.D
 Acq On : 17 Mar 2019 7:50
 Operator : JC/SP
 Sample : K1687-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-031519-C

Quant Time: Mar 18 05:08:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1852535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2693913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2249541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	872468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	917139	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	7.59	113	816879	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.09	98	3074719	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	926541	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.95	142	29	1.498	ug/l #	45
16) Acetone	3.82	43	29374	5.215	ug/l	93
18) Methyl Acetate	4.32	43	6318	0.554	ug/l #	49
20) Methylene Chloride	4.54	84	97706	5.282	ug/l	98
25) 2-Butanone	6.86	43	2791	0.422	ug/l #	46
29) Tetrahydrofuran	7.24	42	1743	0.410	ug/l #	40
30) Chloroform	7.37	83	12123	0.367	ug/l	97
31) Cyclohexane	7.66	56	27044	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	111025	4.475	ug/l #	46
38) Carbon Tetrachloride	7.66	117	151273	5.815	ug/l #	17
43) Isopropyl Acetate	8.17	43	27617	1.104	ug/l #	93
48) Methyl methacrylate	9.18	41	15670	1.234	ug/l #	11
49) 1,4-Dioxane	9.27	88	370	2.060	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	17280	1.305	ug/l #	36
53) t-1,3-Dichloropropene	10.39	75	30	1.987	ug/l #	57
54) cis-1,3-Dichloropropene	9.91	75	144451	5.191	ug/l #	63
57) 1,3-Dichloropropane	10.77	76	27456	1.022	ug/l #	43
59) 2-Hexanone	10.77	43	367279	41.686	ug/l #	50
67) Ethyl Benzene	11.51	91	20929	0.256	ug/l	92
68) m/p-Xylenes	11.62	106	38094	1.190	ug/l	100
69) o-Xylene	11.95	106	57174	1.833	ug/l	98
71) Bromoform	12.40	173	5620	2.742	ug/l #	1
73) Isopropylbenzene	12.25	105	21992	0.315	ug/l	99
74) N-amyl acetate	11.88	43	35654	2.301	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	444288	34.629	ug/l #	100
78) n-propylbenzene	12.59	91	53803	0.710	ug/l	96
79) 2-Chlorotoluene	12.66	91	22758	0.500	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	291389	5.019	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	444288	118.376	ug/l #	11
82) 4-Chlorotoluene	12.73	91	29699	0.653	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.04	105	547881	9.619	ug/l	99
85) sec-Butylbenzene	13.17	105	24156	0.349	ug/l	84
86) p-Isopropyltoluene	13.29	119	31464	0.517	ug/l	97
89) n-Butylbenzene	13.61	91	14382	0.311	ug/l #	64

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054371.D
Acq On : 17 Mar 2019 7:50
Operator : JC/SP
Sample : K1687-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-C

Quant Time: Mar 18 05:08:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

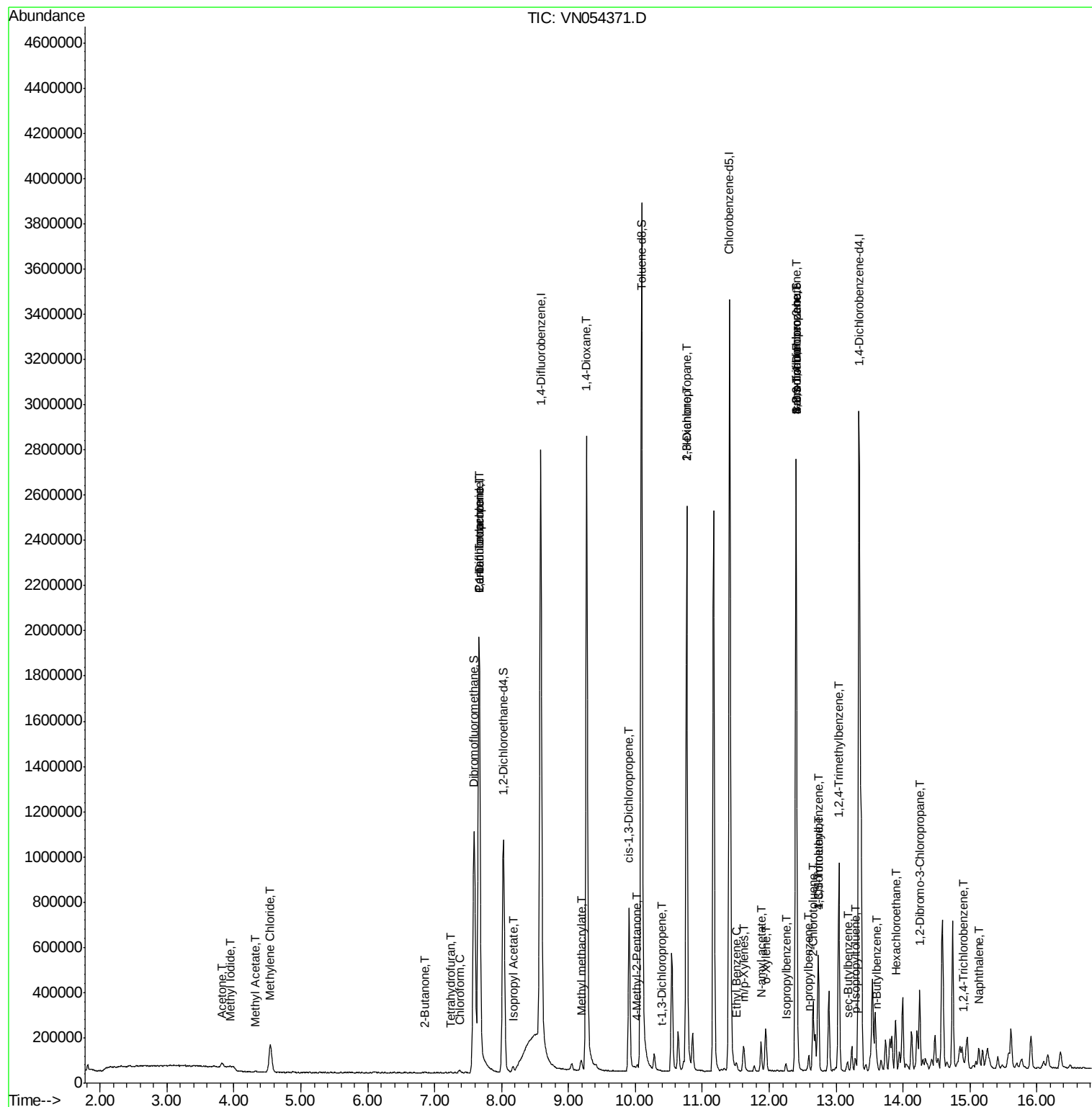
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	10602	1.053	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1766	0.767	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	612	2.548	ug/l #	62
95) Naphthalene	15.13	128	81029	5.440	ug/l	96

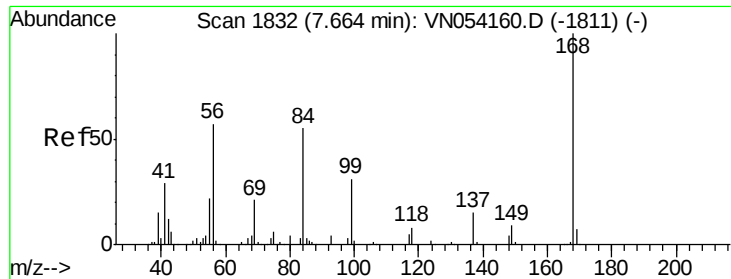
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054371.D
Acq On : 17 Mar 2019 7:50
Operator : JC/SP
Sample : K1687-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-C

Quant Time: Mar 18 05:08:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

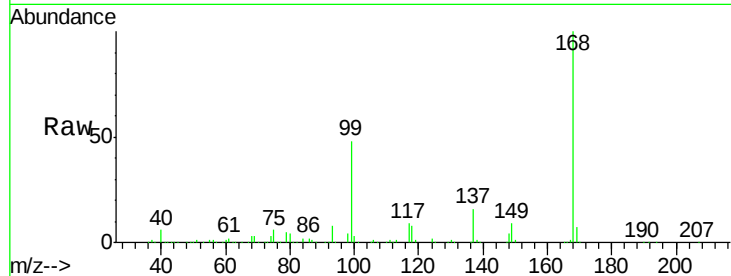
HR-05-031519-C

Tot Ion:168 Resp: 1852535

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

800000

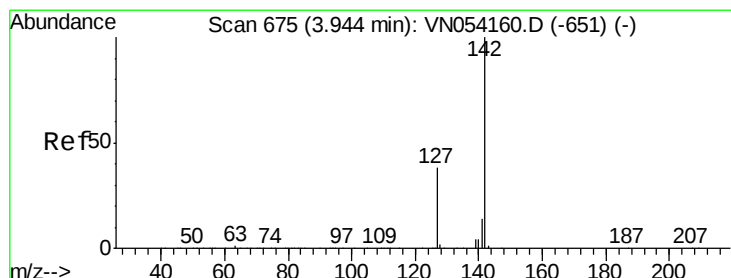
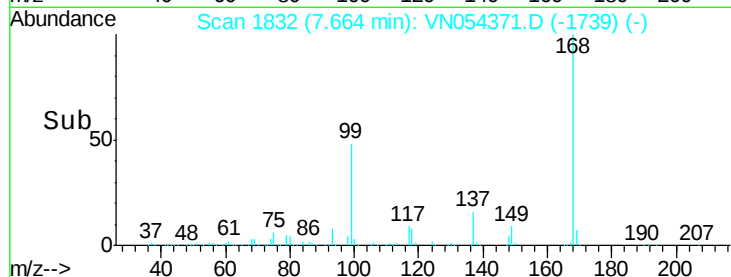
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.498 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

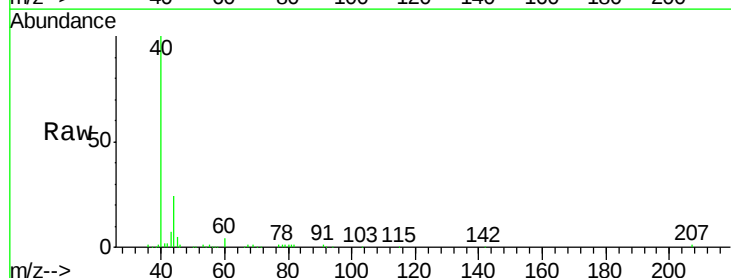
Tgt Ion:142 Resp: 29

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

200

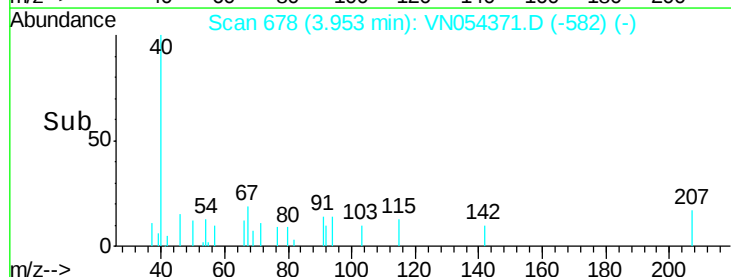
150

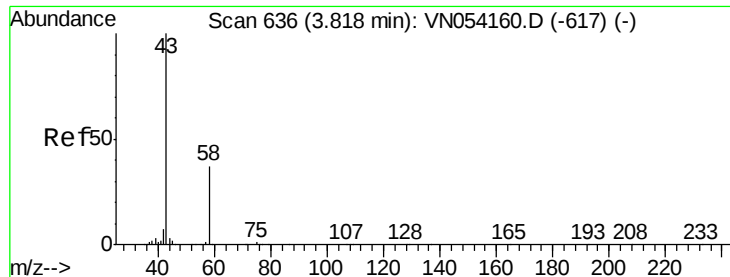
100

50

0

Time--> 3.94 3.95 3.96 3.96





#16

Acetone

Concen: 5.215 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

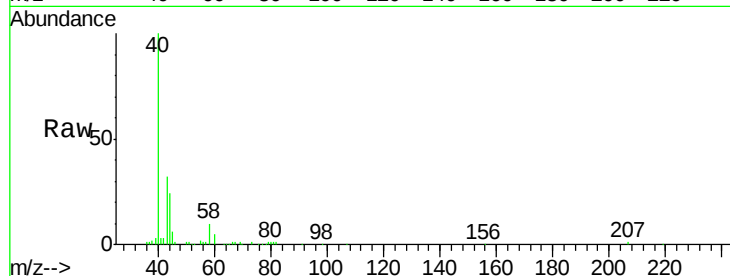
HR-05-031519-C

Tot Ion: 43 Resp: 29374

Ion Ratio Lower Upper

43 100

58 33.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

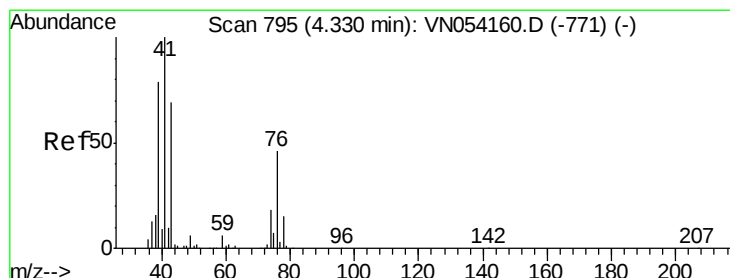
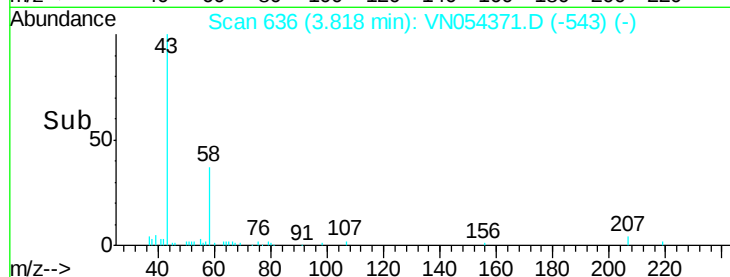
10000

5000

0

3.75 3.80 3.85 3.90

Time-->



#18

Methyl Acetate

Concen: 0.554 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN054371.D

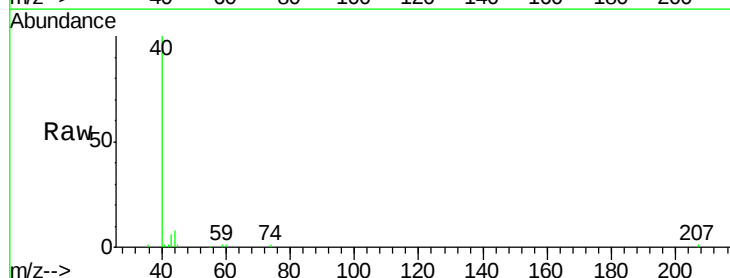
Acq: 17 Mar 2019 7:50

Tgt Ion: 43 Resp: 6318

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

3000

2500

2000

1500

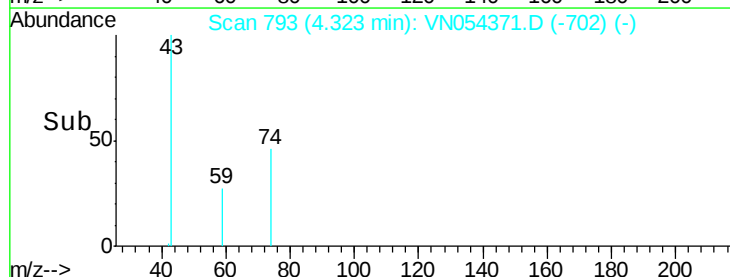
1000

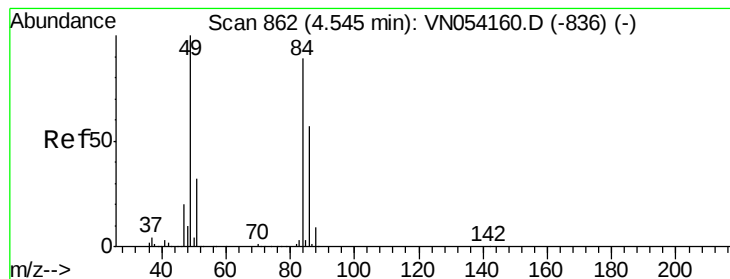
500

0

4.25 4.30 4.35 4.40

Time-->





#20

Methvlene Chloride

Concen: 5.282 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-C

Tot Ion: 84 Resp: 97706

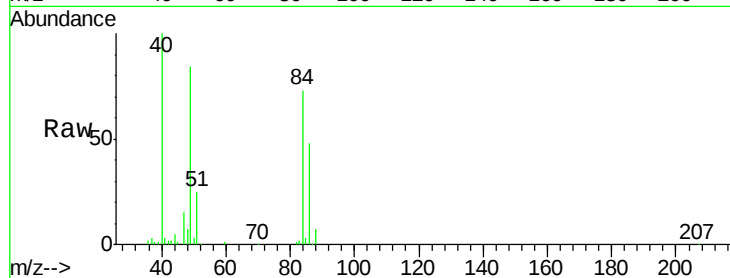
Ion Ratio Lower Upper

84 100

49 115.0 89.7 134.5

51 34.2 28.2 42.4

86 65.2 50.8 76.2

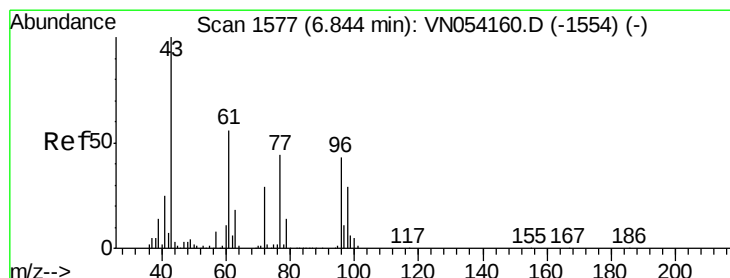
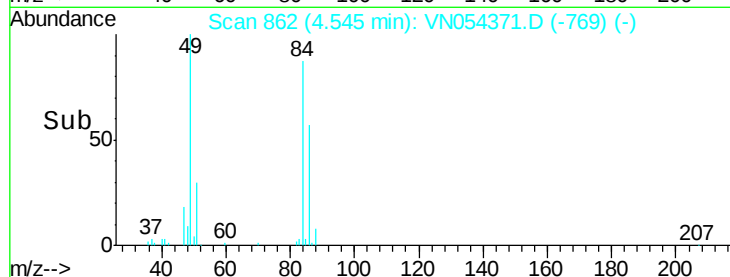
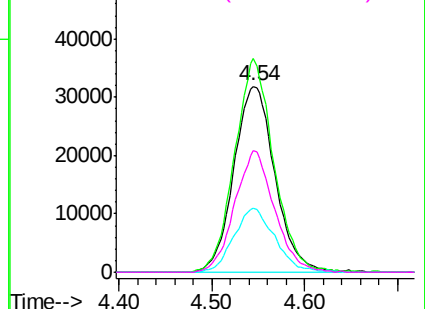


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.422 ug/l

RT: 6.86 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VN054371.D

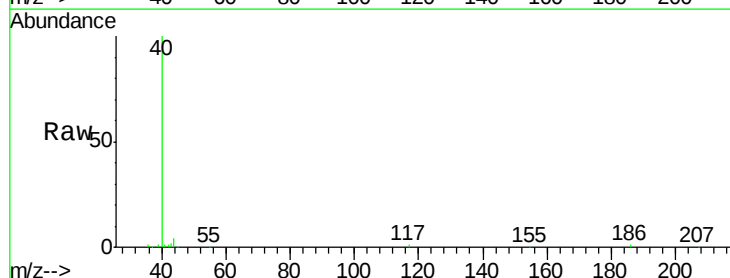
Acq: 17 Mar 2019 7:50

Tgt Ion: 43 Resp: 2791

Ion Ratio Lower Upper

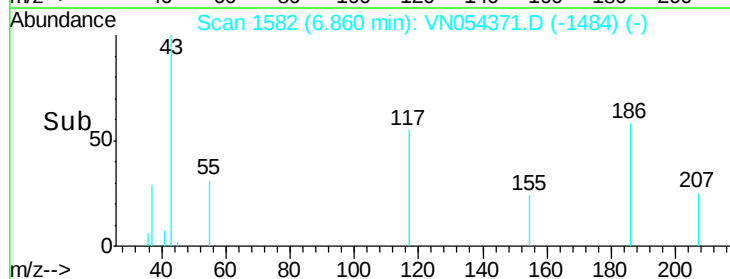
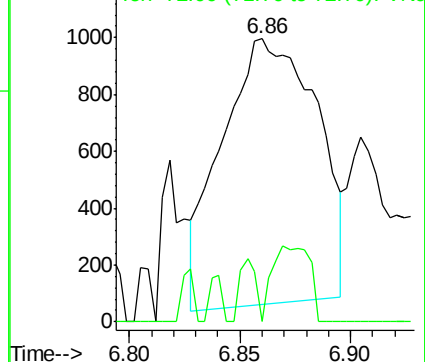
43 100

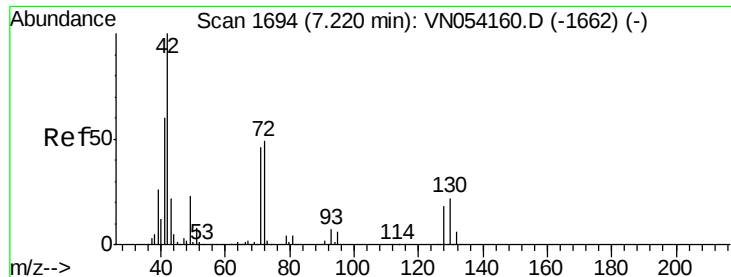
72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

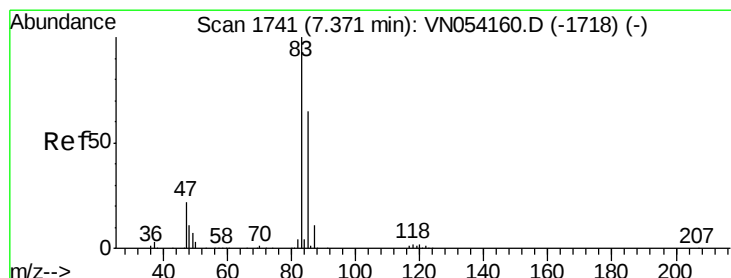
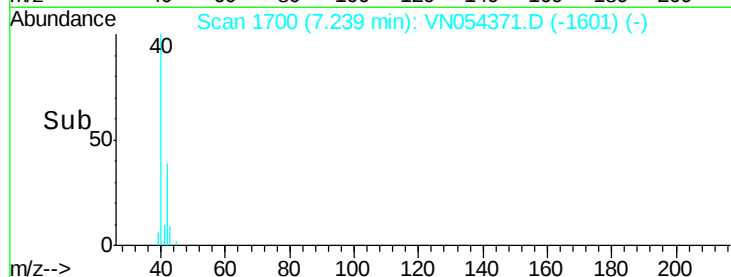
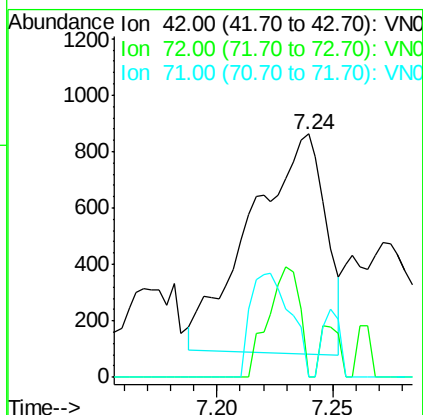
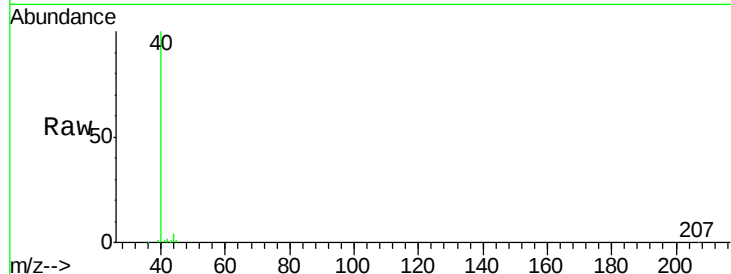




#29
Tetrahydrofuran
Concen: 0.410 ug/l
RT: 7.24 min Scan# 1700
Delta R.T. 0.02 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

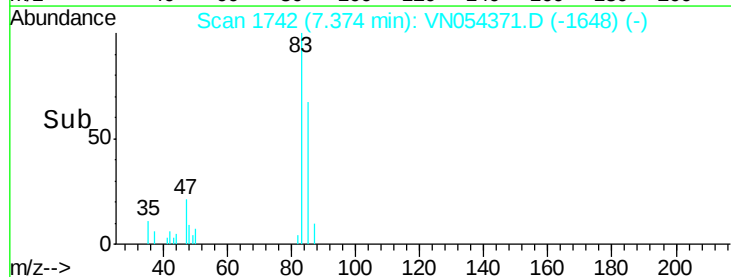
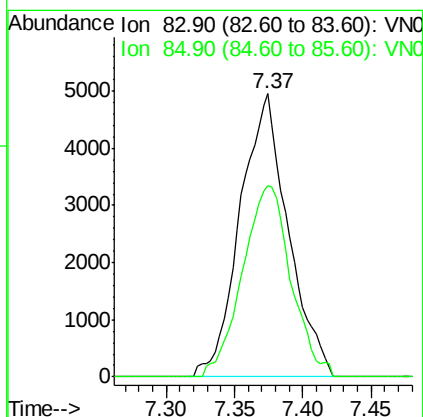
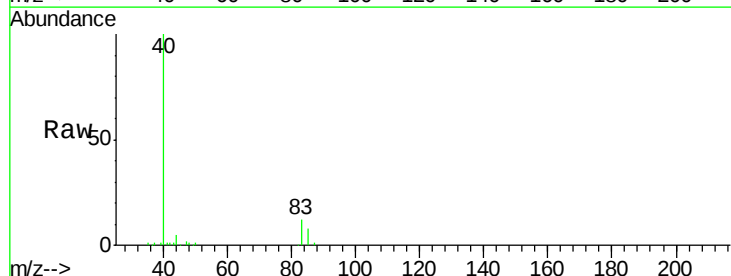
Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-C

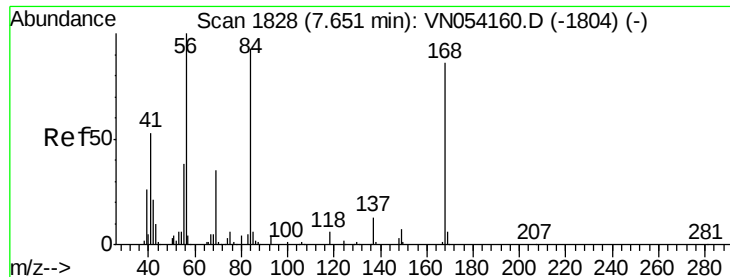
Tot Ion: 42 Resp: 1743
Ion Ratio Lower Upper
42 100
72 5.7 37.8 56.6#
71 6.9 36.2 54.2#



#30
Chloroform
Concen: 0.367 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Tgt Ion: 83 Resp: 12123
Ion Ratio Lower Upper
83 100
85 67.4 52.2 78.4

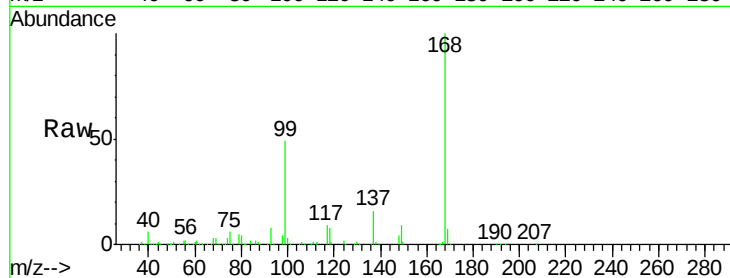




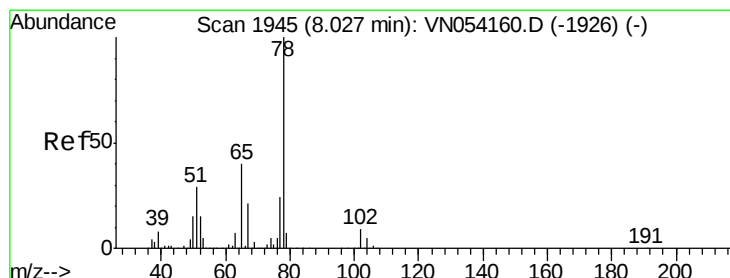
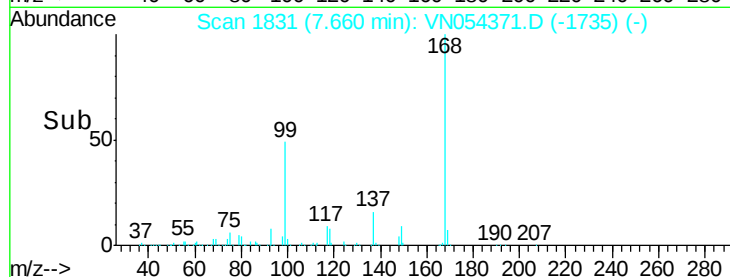
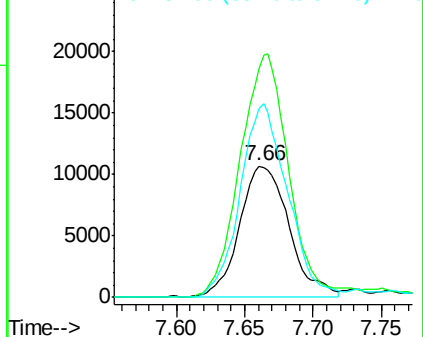
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Instrument :
MSVOA_N
ClientSampled :
HR-05-031519-C

Tot Ion: 56 Resp: 27044
Ion Ratio Lower Upper
56 100
69 174.2 27.8 41.6#
84 143.7 74.6 111.8#

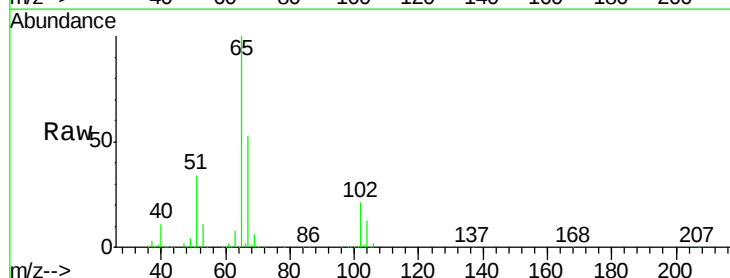


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

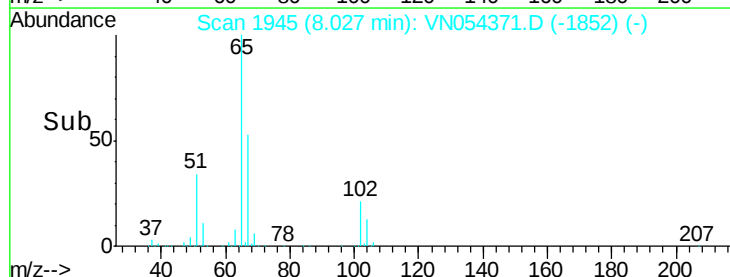
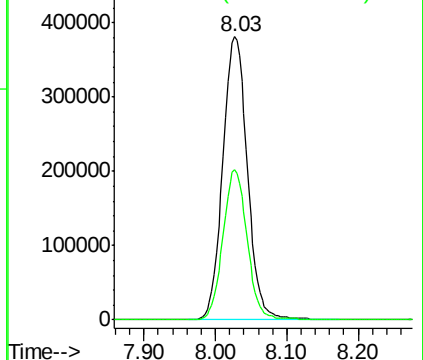


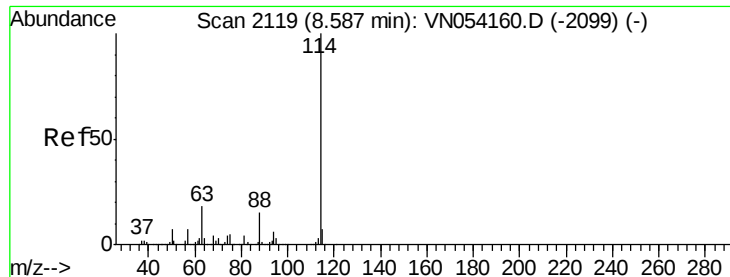
#33
1,2-Dichloroethane-d4
Concen: 46.617 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Tgt Ion: 65 Resp: 917139
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

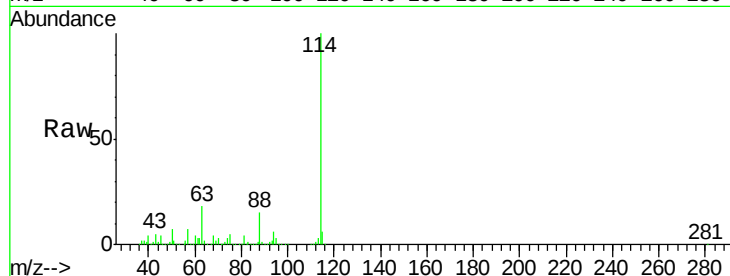




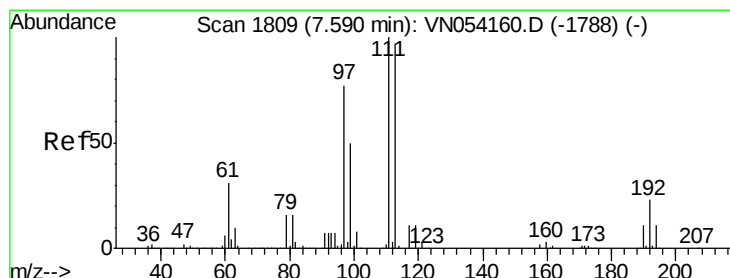
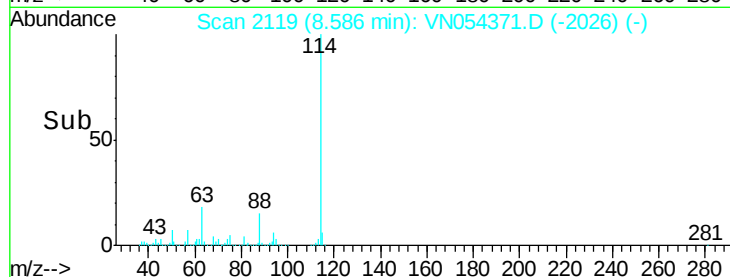
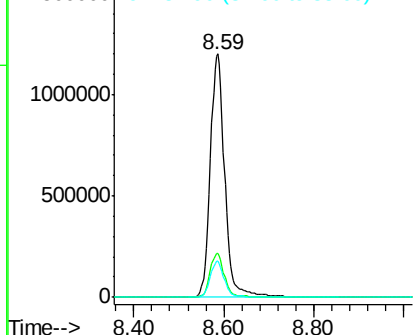
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-C

Tot Ion:114 Resp: 2693913
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.2
88 14.8 0.0 30.2

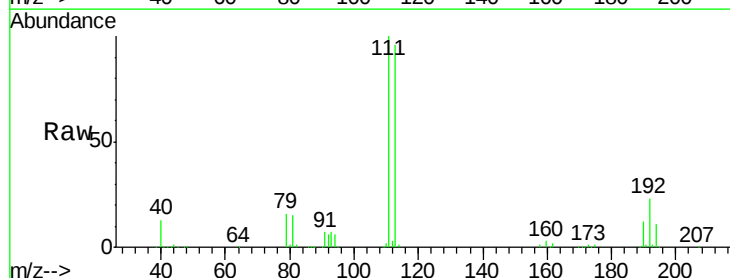


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

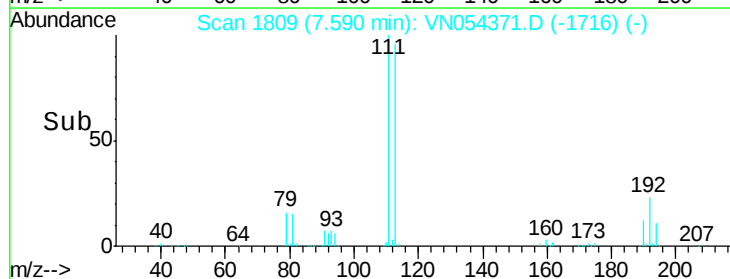
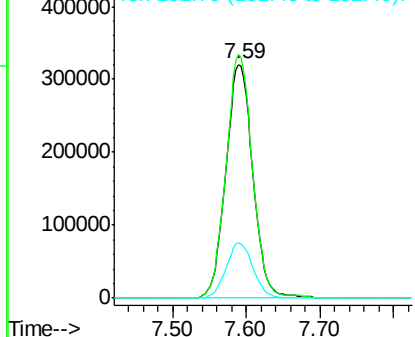


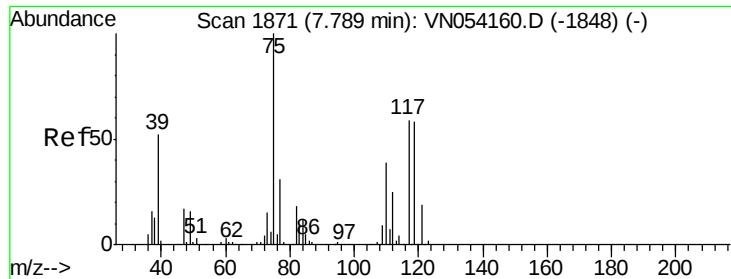
#35
Dibromofluoromethane
Concen: 47.016 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Tgt Ion:113 Resp: 816879
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 23.5 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: 4.475 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-C

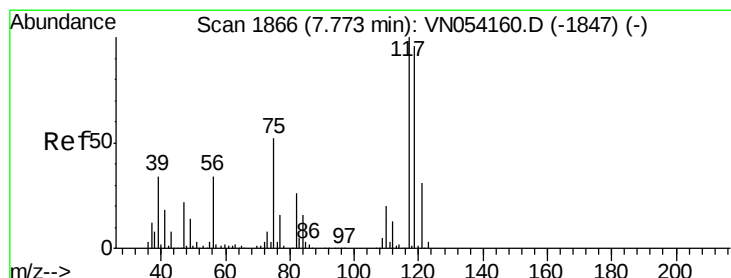
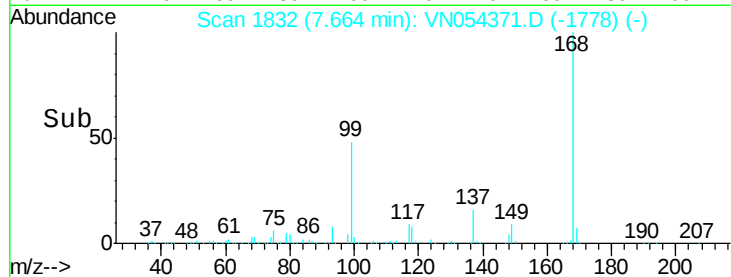
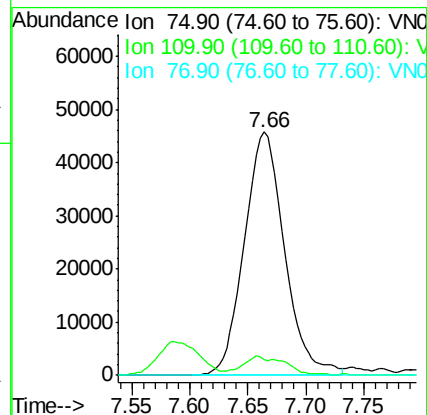
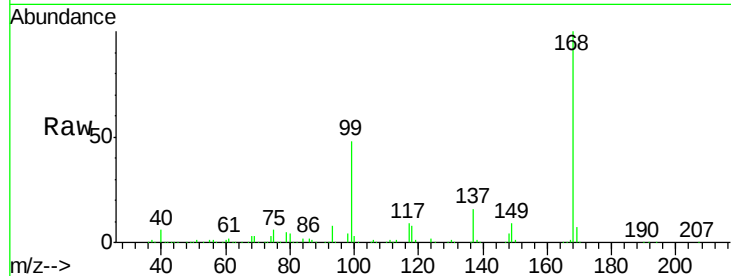
Tot Ion: 75 Resp: 111025

Ion Ratio Lower Upper

75 100

110 7.2 19.1 57.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

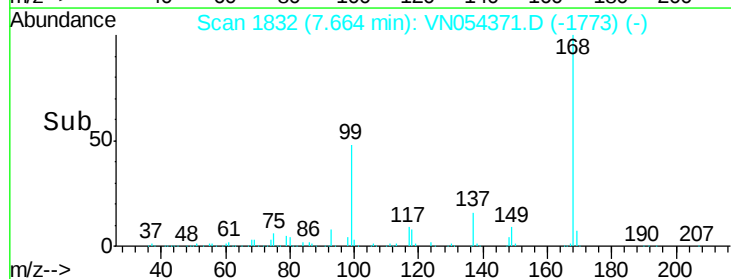
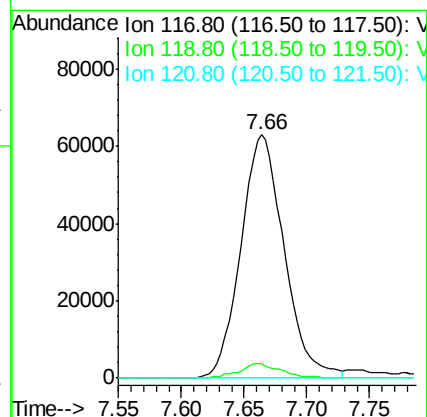
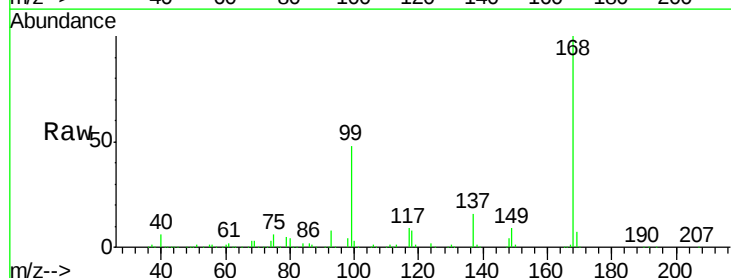
Tgt Ion: 117 Resp: 151273

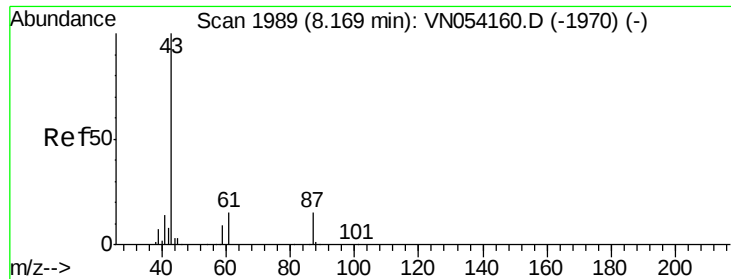
Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.104 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-C

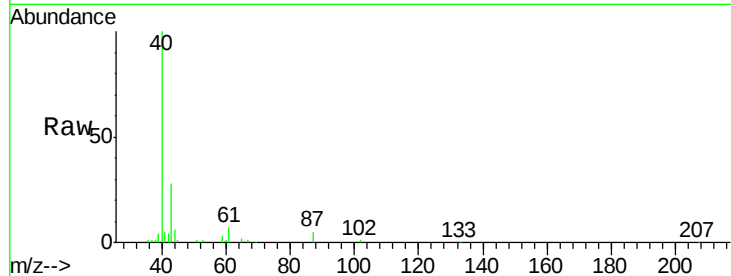
Tot Ion: 43 Resp: 27617

Ion Ratio Lower Upper

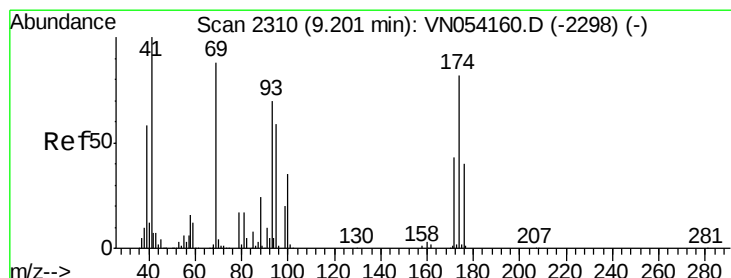
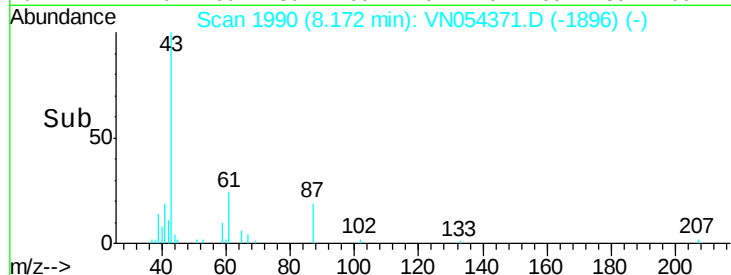
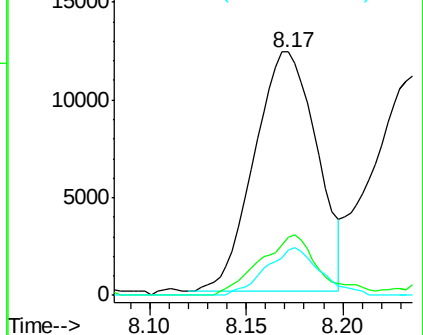
43 100

61 23.9 15.8 23.8#

87 17.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 1.234 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

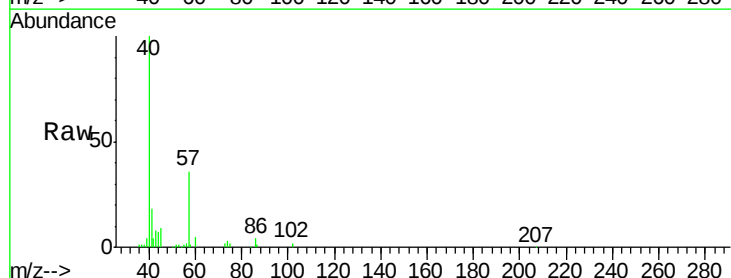
Tgt Ion: 41 Resp: 15670

Ion Ratio Lower Upper

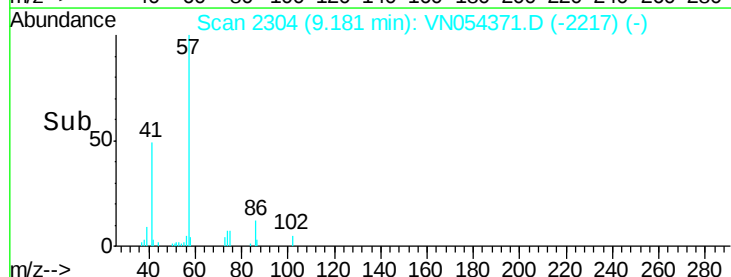
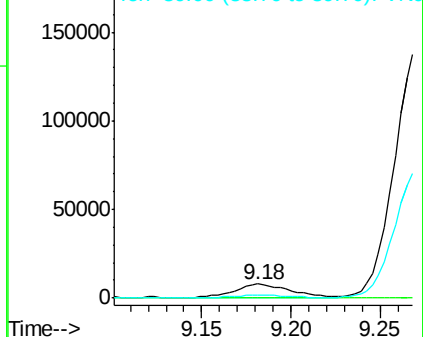
41 100

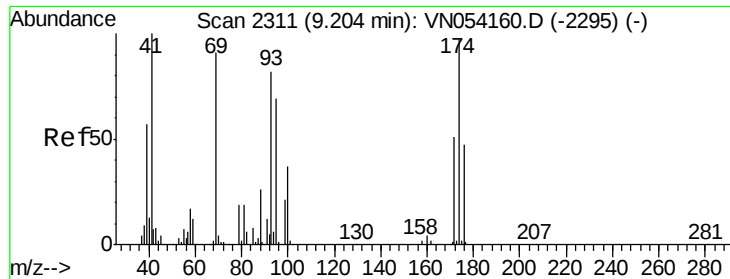
69 0.0 72.6 108.8#

39 0.0 47.5 71.3#



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 2.060 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.06 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-C

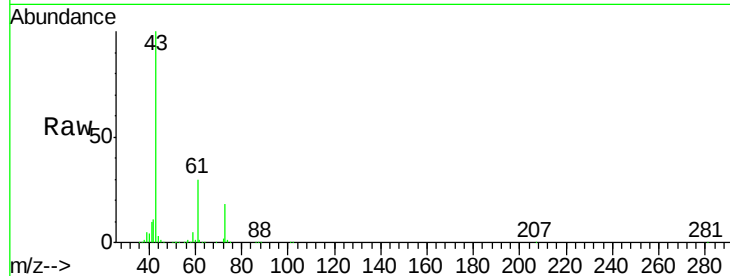
Tot Ion: 88 Resp: 370

Ion Ratio Lower Upper

88 100

43 778900.3 24.1 36.1#

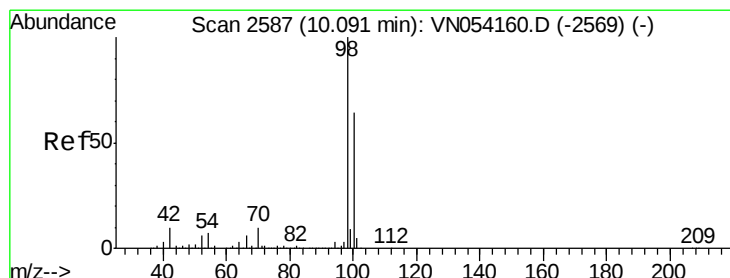
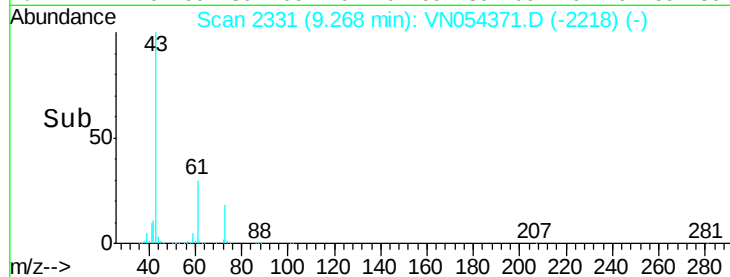
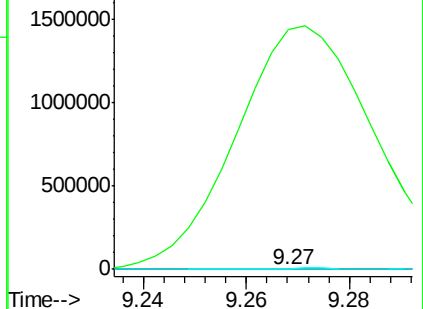
58 3604.1 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.917 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054371.D

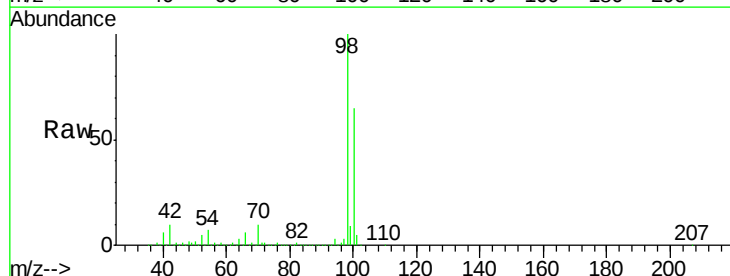
Acq: 17 Mar 2019 7:50

Tgt Ion: 98 Resp: 3074719

Ion Ratio Lower Upper

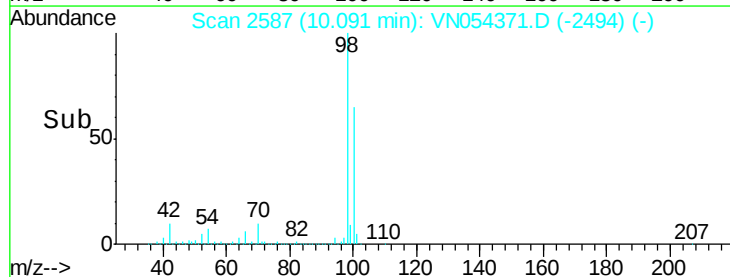
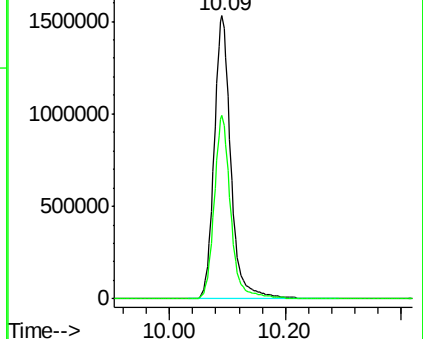
98 100

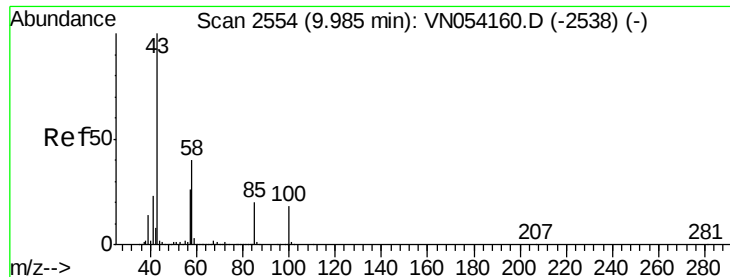
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.305 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

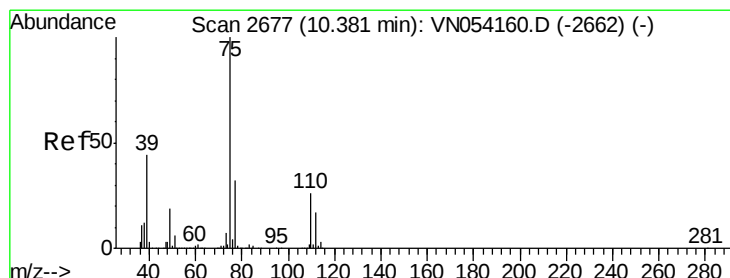
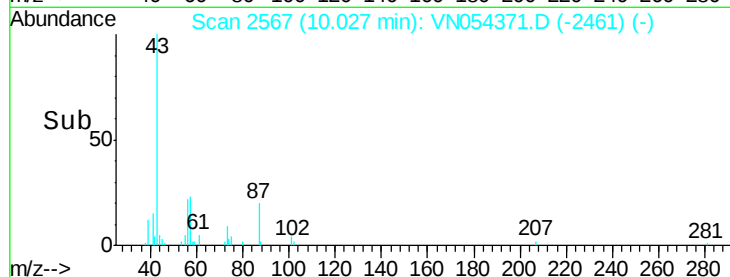
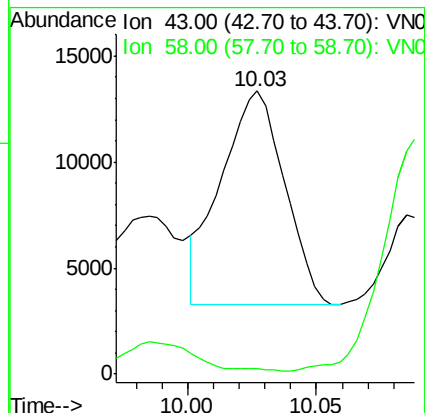
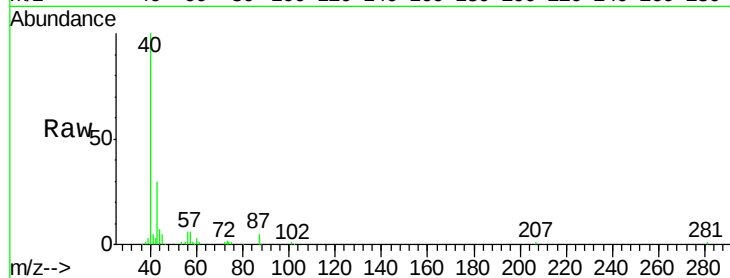
HR-05-031519-C

Tot Ion: 43 Resp: 17280

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054371.D

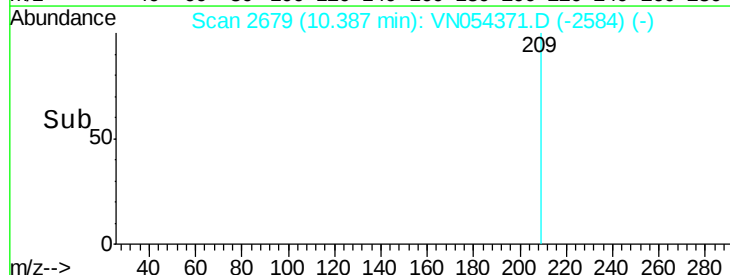
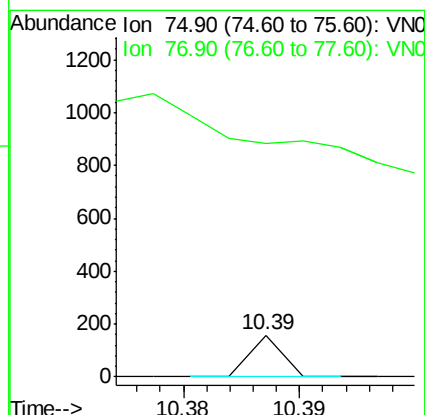
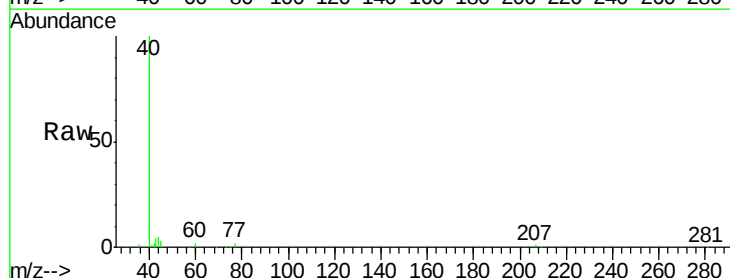
Acq: 17 Mar 2019 7:50

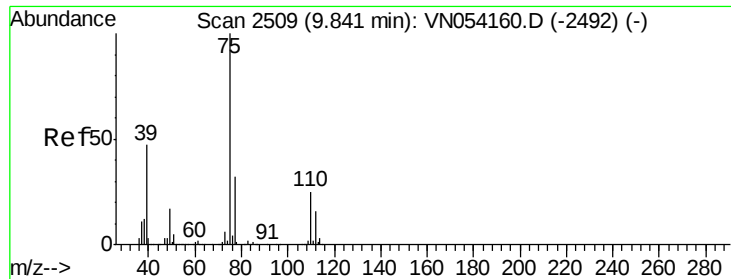
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

77 8.3 25.8 38.8#





#54

cis-1,3-Dichloropropene

Concen: 5.191 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-C

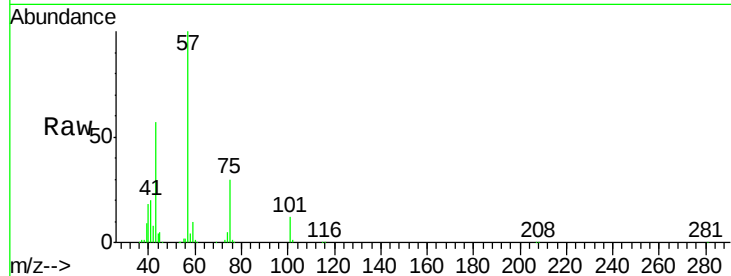
Tot Ion: 75 Resp: 144451

Ion Ratio Lower Upper

75 100

77 0.6 25.4 38.0#

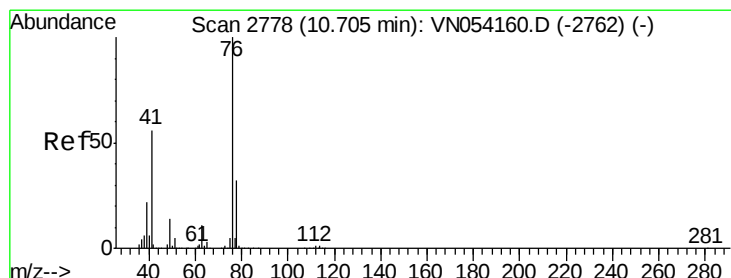
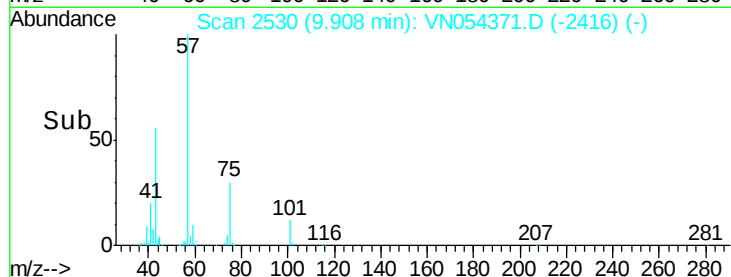
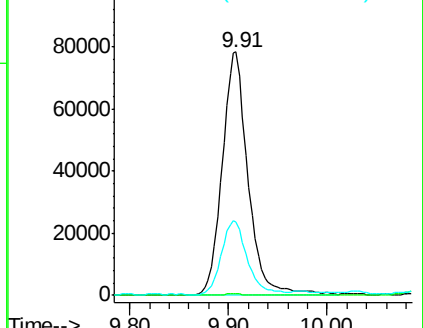
39 30.0 37.2 55.8#



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: 1.022 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054371.D

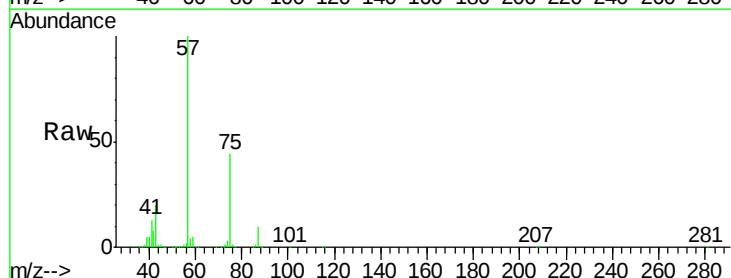
Acq: 17 Mar 2019 7:50

Tgt Ion: 76 Resp: 27456

Ion Ratio Lower Upper

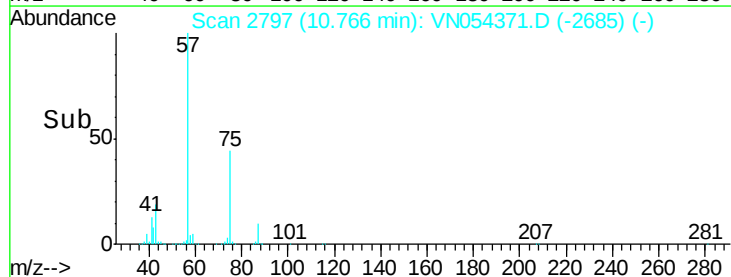
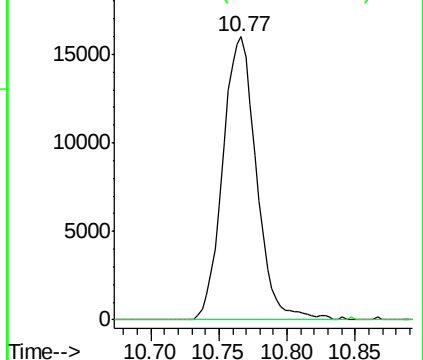
76 100

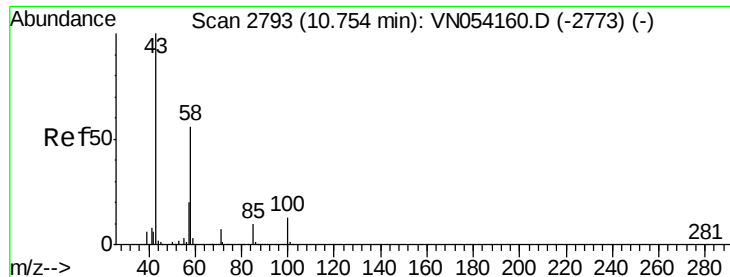
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 41.686 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

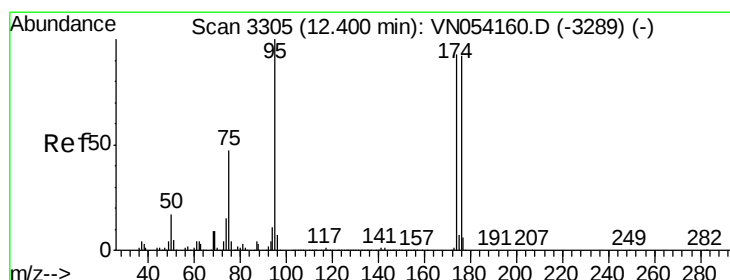
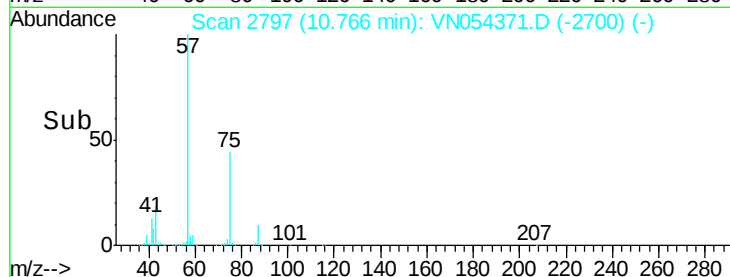
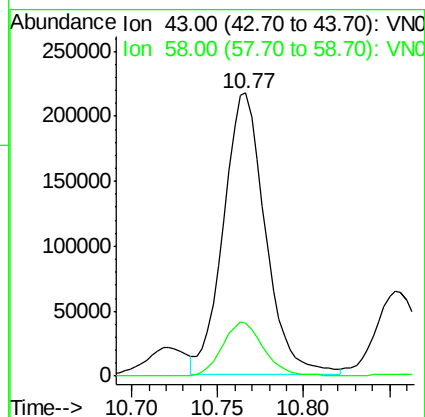
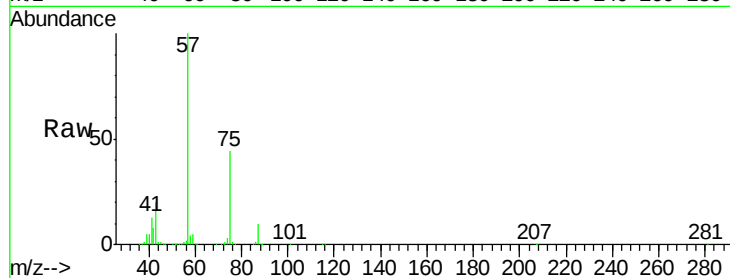
HR-05-031519-C

Tot Ion: 43 Resp: 367279

Ion Ratio Lower Upper

43 100

58 19.3 28.0 83.9#



#62

4-Bromofluorobenzene

Concen: 41.267 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

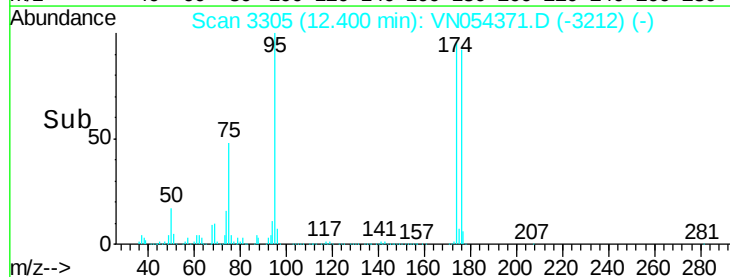
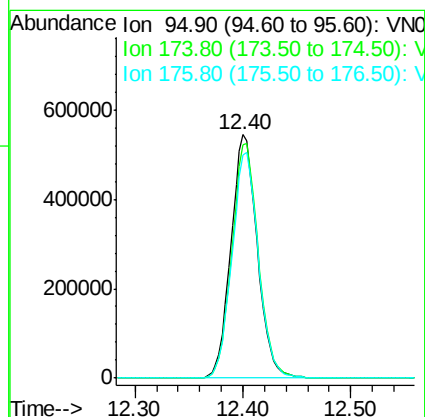
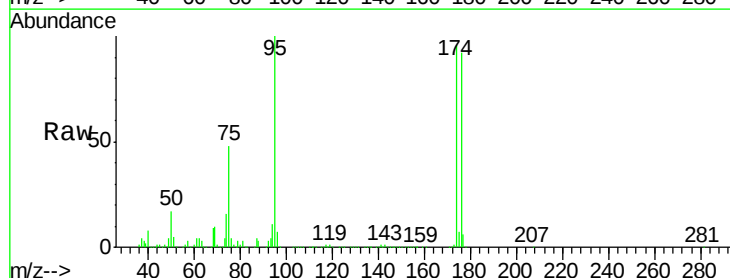
Tgt Ion: 95 Resp: 926541

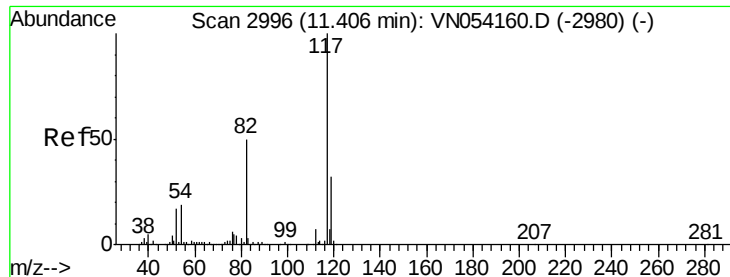
Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.0

176 93.4 0.0 187.4

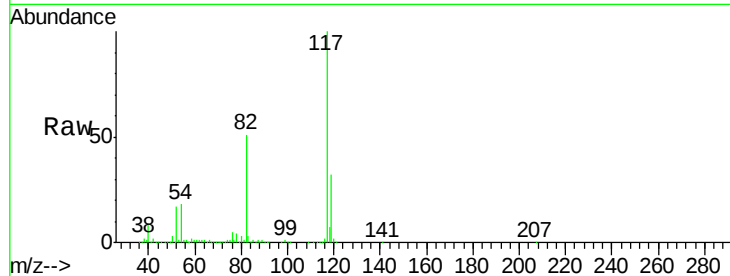




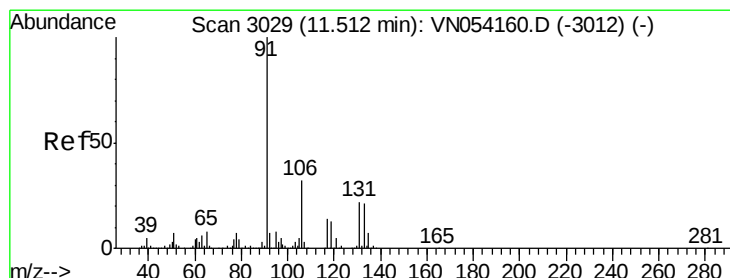
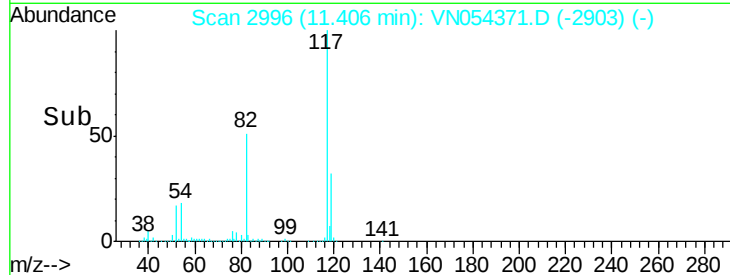
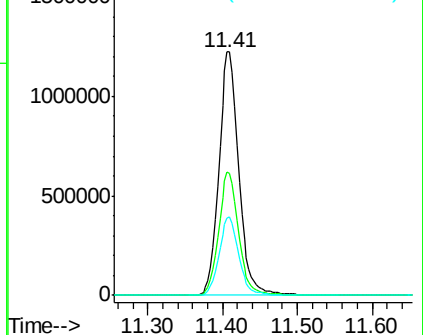
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-C

Tot Ion:117 Resp: 2249541
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 31.9 25.8 38.6

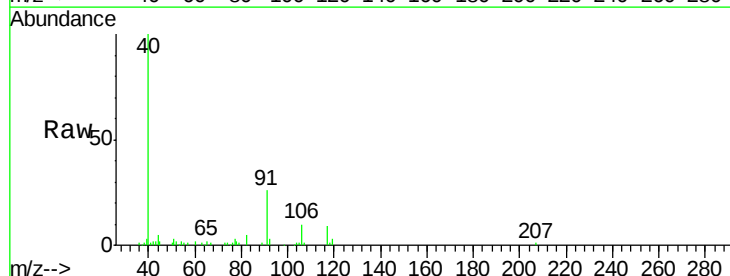


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

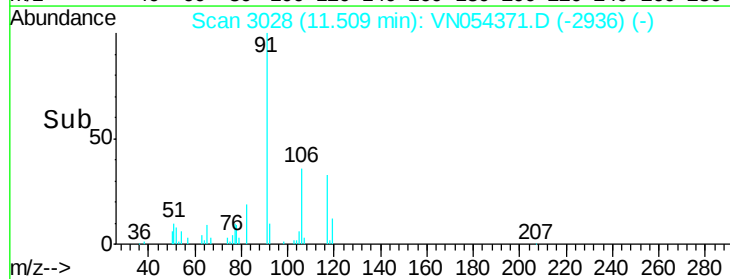
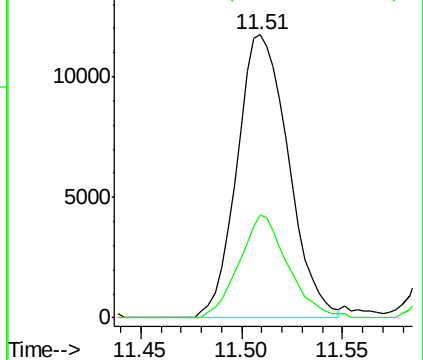


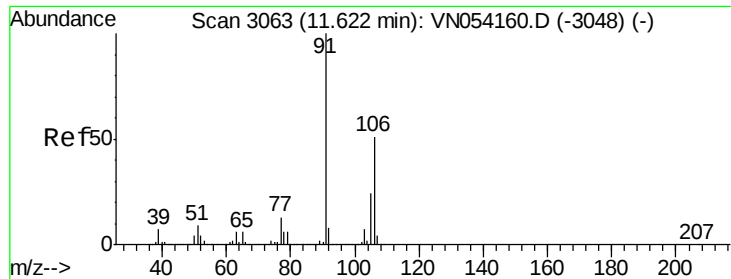
#67
Ethyl Benzene
Concen: 0.256 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Tgt Ion: 91 Resp: 20929
Ion Ratio Lower Upper
91 100
106 36.2 25.5 38.3



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

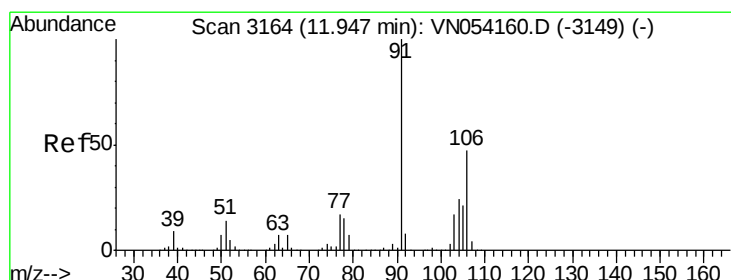
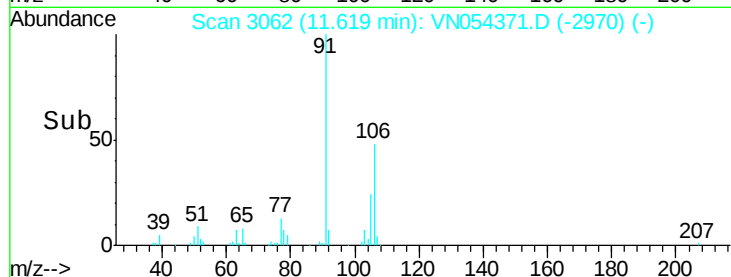
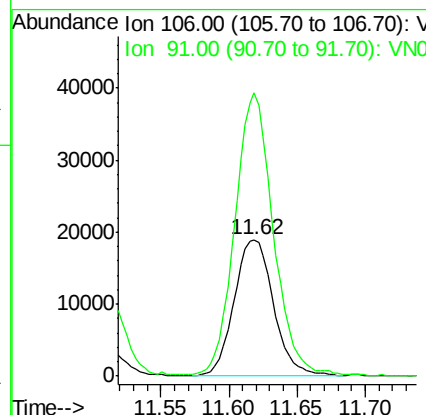
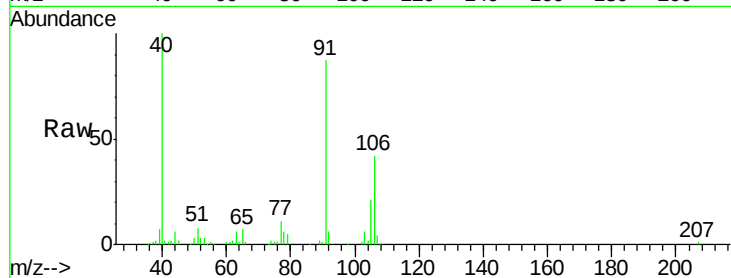




#68
m/p-Xylenes
Concen: 1.190 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

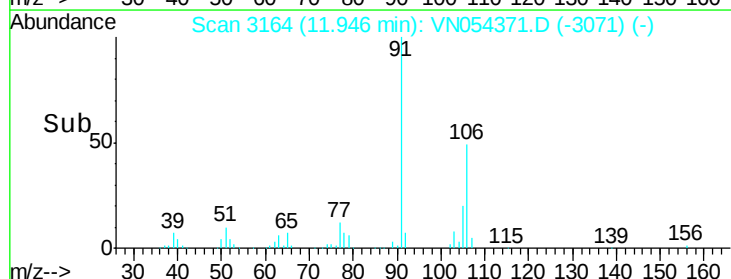
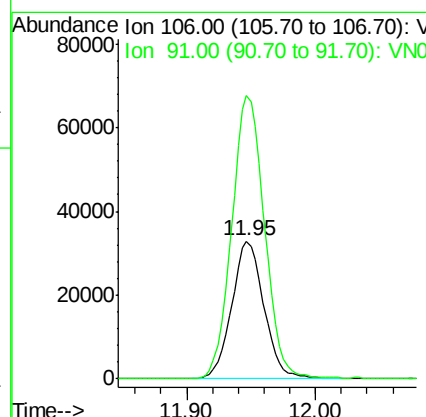
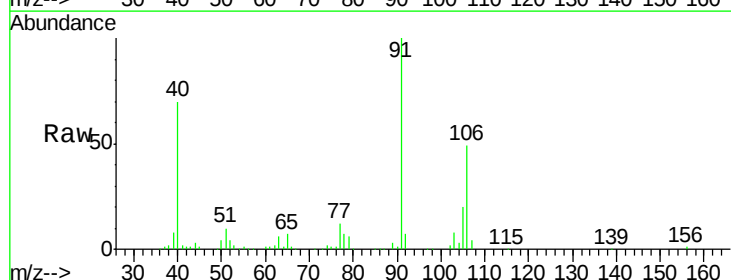
Instrument :
MSVOA_N
ClientSampled :
HR-05-031519-C

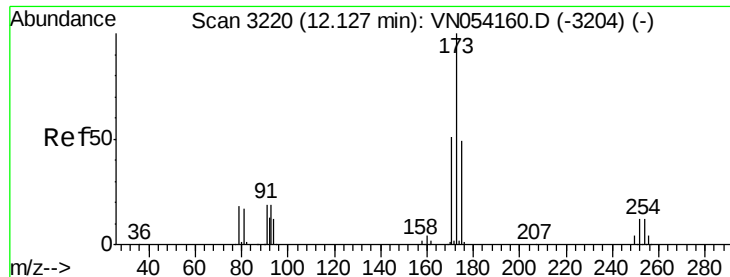
Tot Ion:106 Resp: 38094
Ion Ratio Lower Upper
106 100
91 200.0 159.4 239.2



#69
o-Xylene
Concen: 1.833 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Tgt Ion:106 Resp: 57174
Ion Ratio Lower Upper
106 100
91 208.7 105.7 317.1





#71

Bromoform

Concen: 2.742 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-C

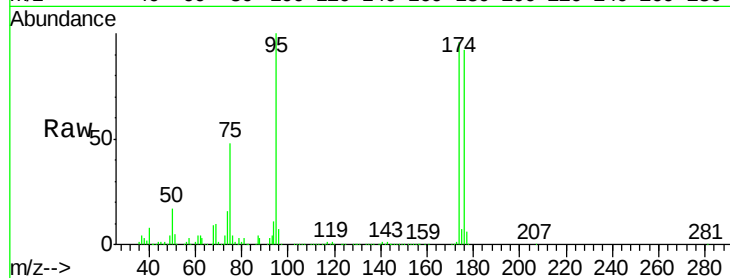
Tot Ion:173 Resp: 5620

Ion Ratio Lower Upper

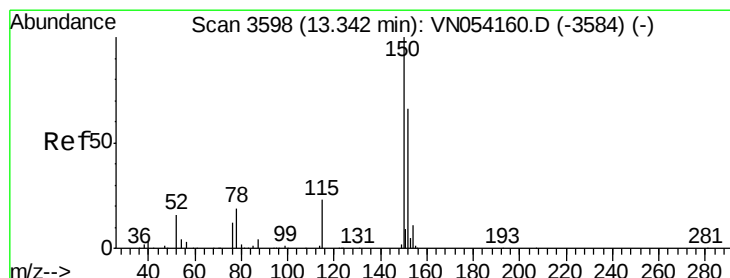
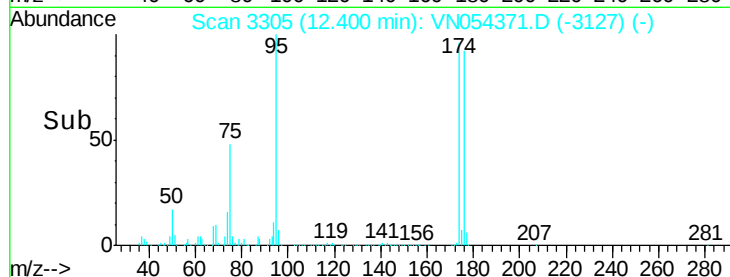
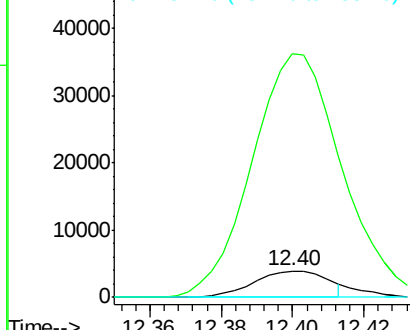
173 100

175 965.2 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: VN054371.D

Acq: 17 Mar 2019 7:50

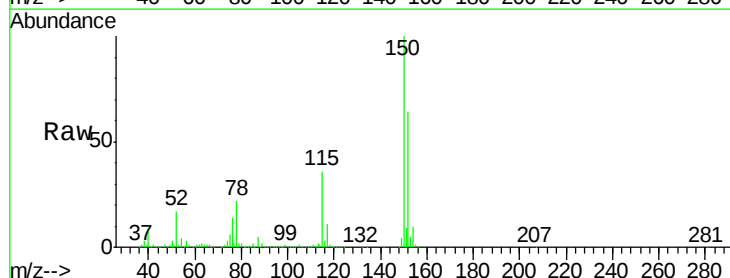
Tgt Ion:152 Resp: 872468

Ion Ratio Lower Upper

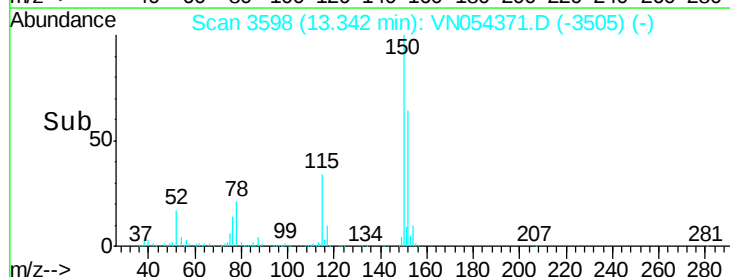
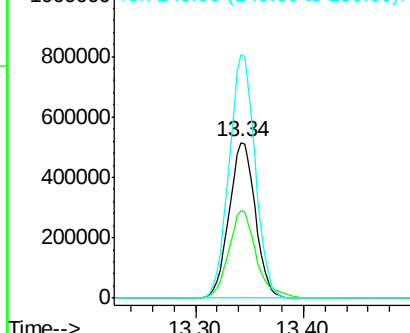
152 100

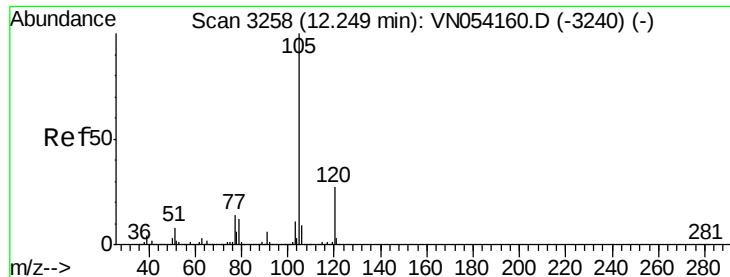
115 58.7 27.2 81.6

150 155.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.315 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

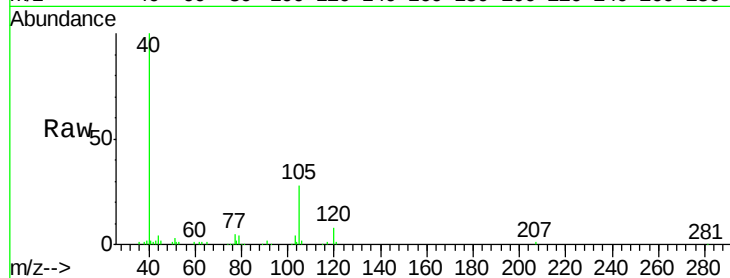
HR-05-031519-C

Tot Ion: 105 Resp: 21992

Ion Ratio Lower Upper

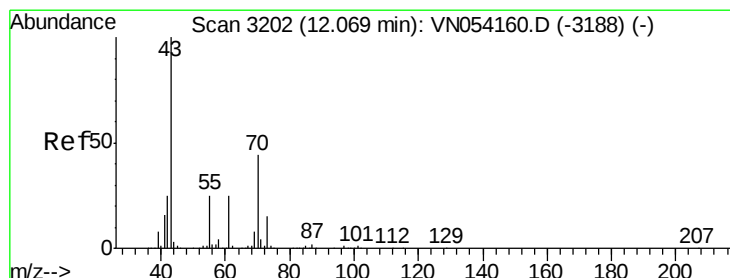
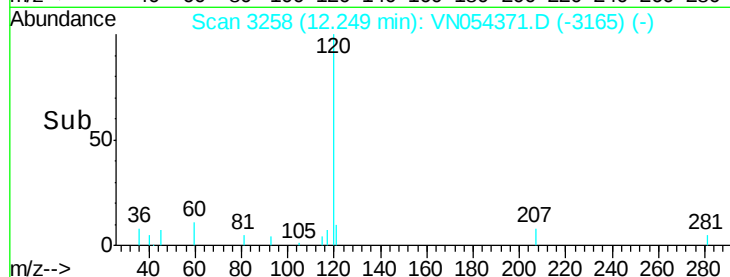
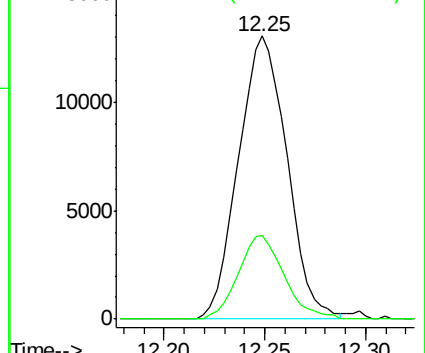
105 100

120 28.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.301 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Tgt Ion: 43 Resp: 35654

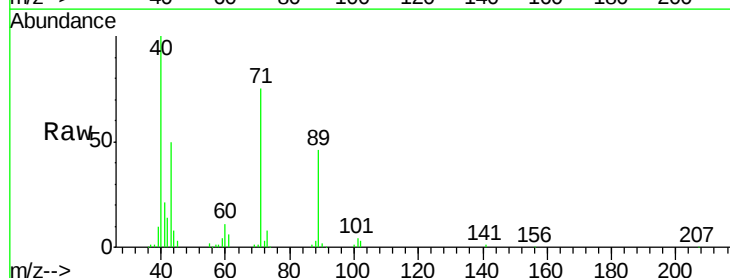
Ion Ratio Lower Upper

43 100

70 1.6 35.4 53.0#

55 6.5 19.8 29.6#

61 12.8 19.8 29.6#

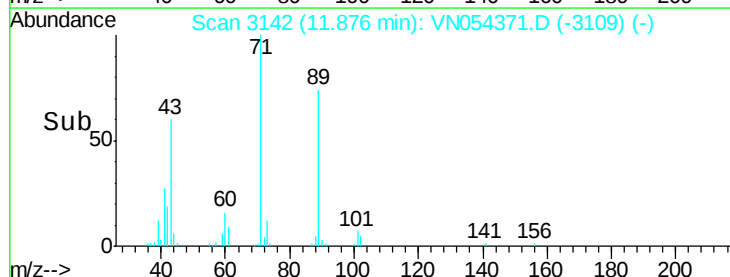
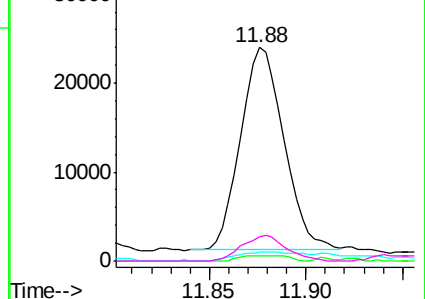


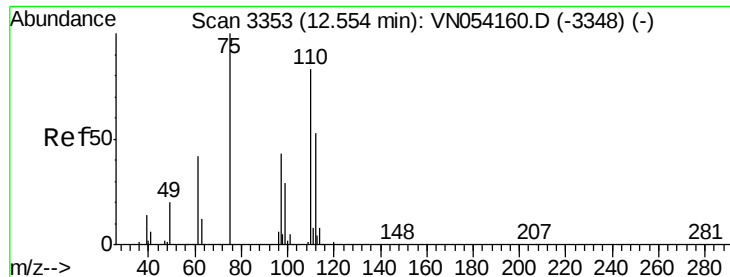
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.629 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

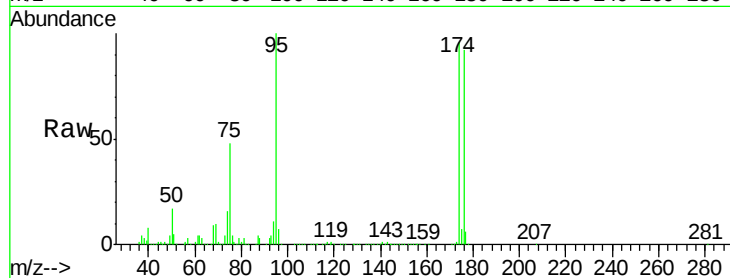
HR-05-031519-C

Tot Ion: 75 Resp: 444288

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

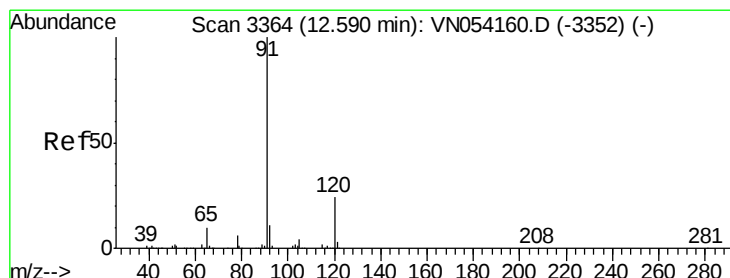
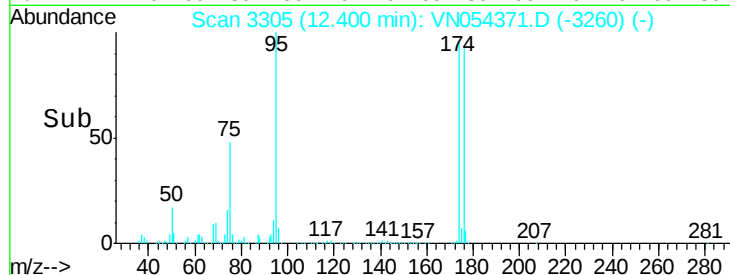
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.710 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054371.D

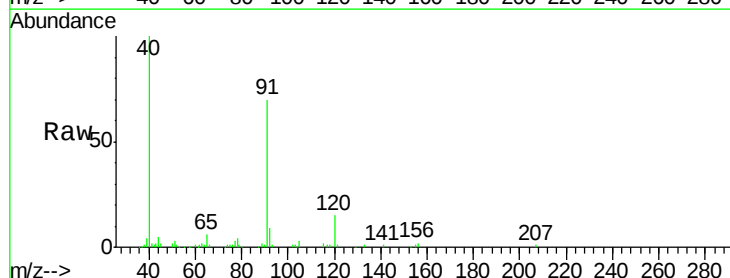
Acq: 17 Mar 2019 7:50

Tgt Ion: 91 Resp: 53803

Ion Ratio Lower Upper

91 100

120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

40000

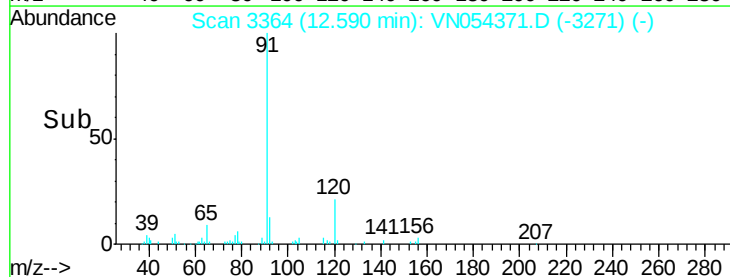
30000

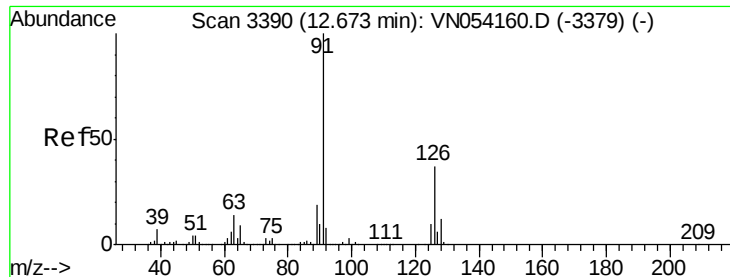
20000

10000

0

Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 0.500 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

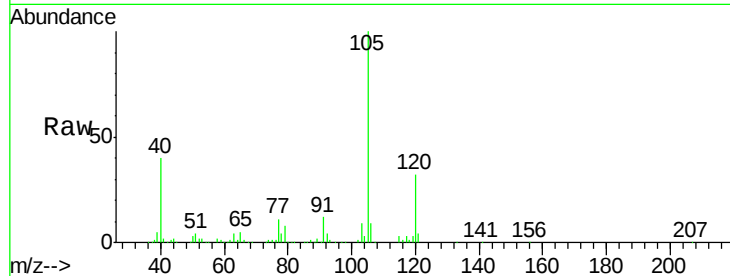
HR-05-031519-C

Tot Ion: 91 Resp: 22758

Ion Ratio Lower Upper

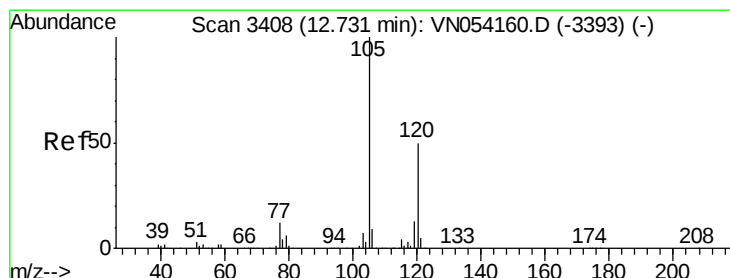
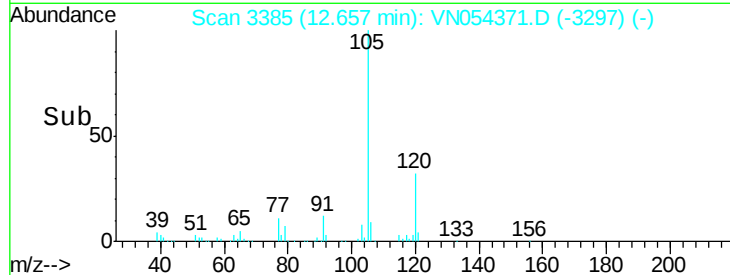
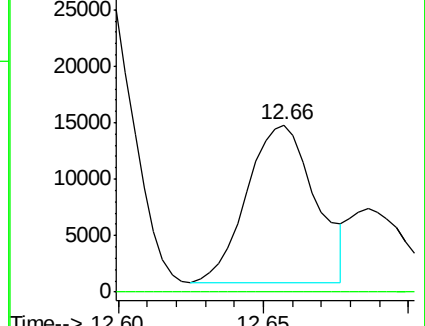
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.019 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054371.D

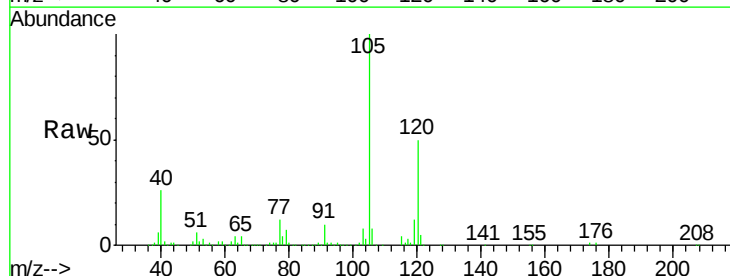
Acq: 17 Mar 2019 7:50

Tgt Ion: 105 Resp: 291389

Ion Ratio Lower Upper

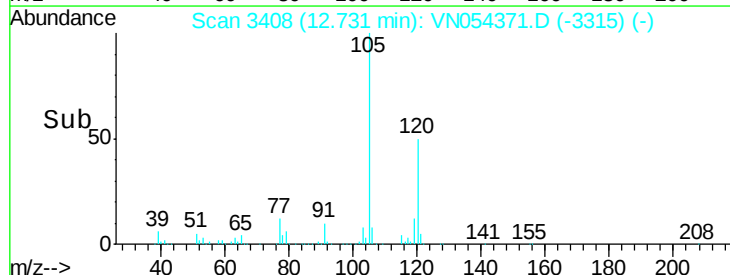
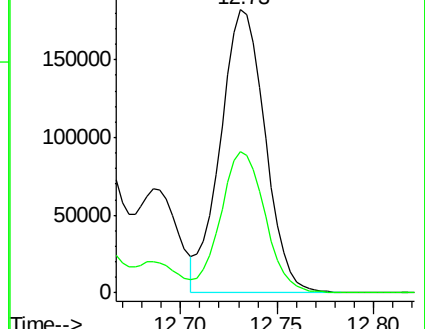
105 100

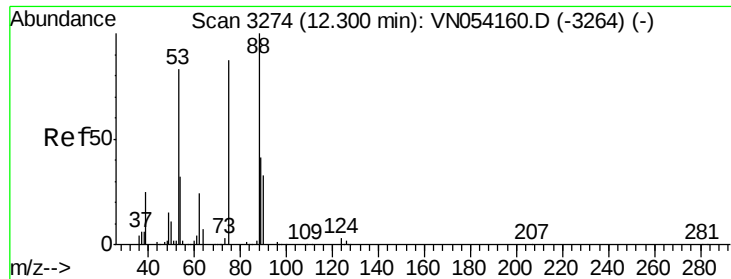
120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 118.376 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampled :

HR-05-031519-C

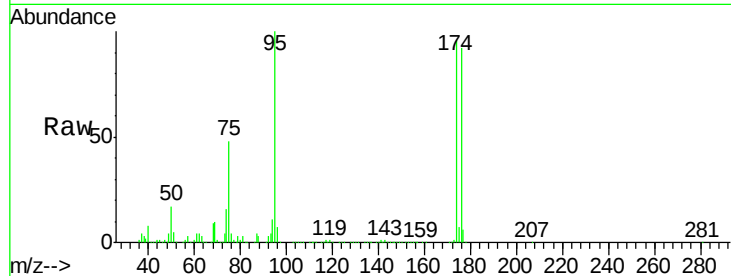
Tot Ion: 75 Resp: 444288

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

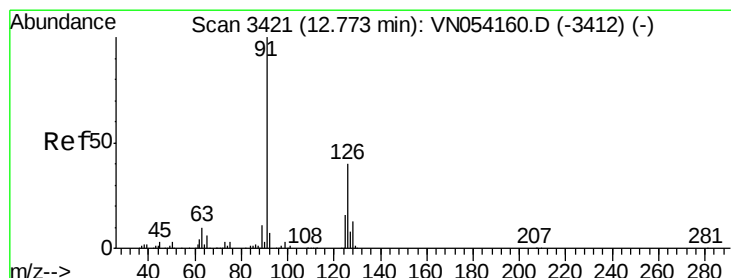
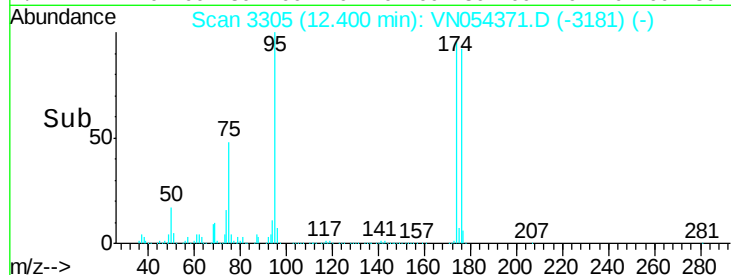
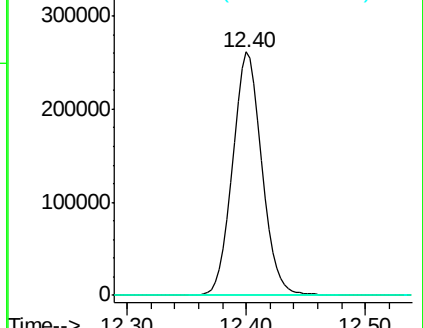
89 0.0 39.2 58.8#



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: 0.653 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054371.D

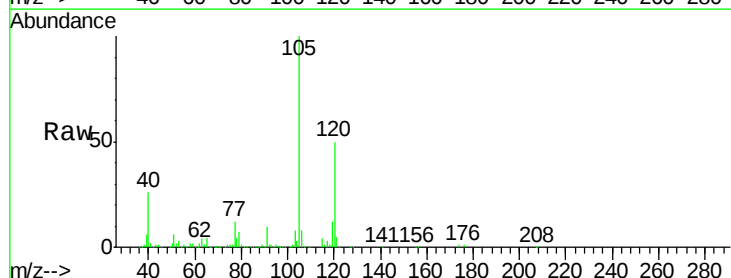
Acq: 17 Mar 2019 7:50

Tgt Ion: 91 Resp: 29699

Ion Ratio Lower Upper

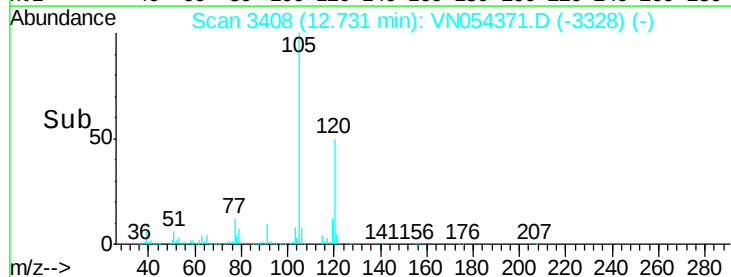
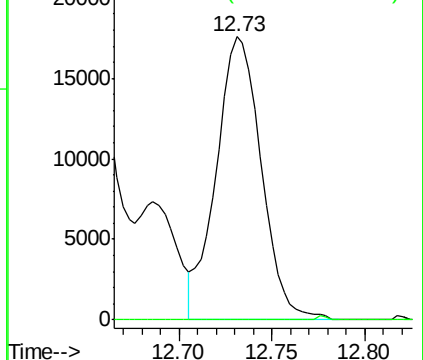
91 100

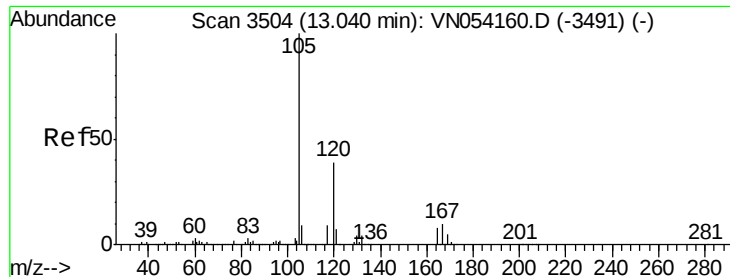
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 9.619 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampleId :

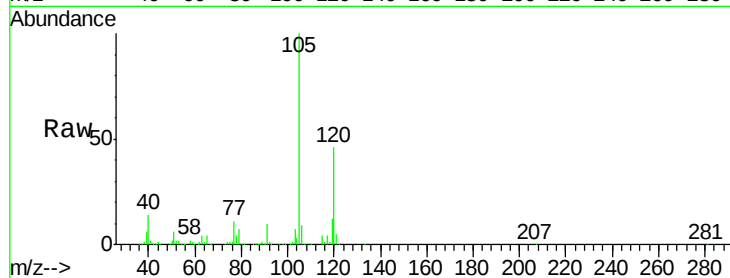
HR-05-031519-C

Tot Ion:105 Resp: 547881

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

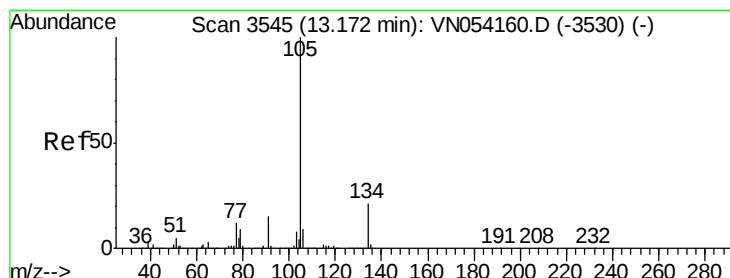
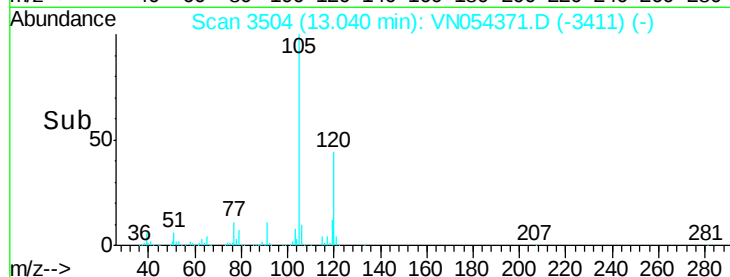
300000

200000

100000

0

Time--> 12.95 13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 0.349 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054371.D

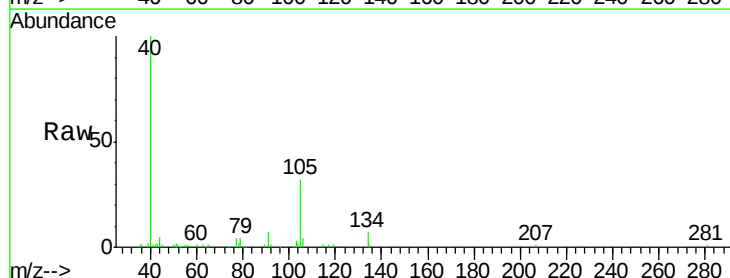
Acq: 17 Mar 2019 7:50

Tgt Ion:105 Resp: 24156

Ion Ratio Lower Upper

105 100

134 29.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

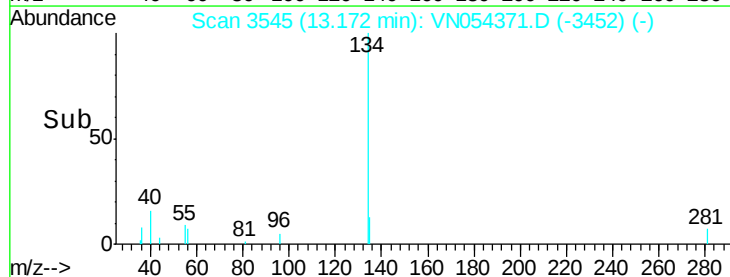
15000

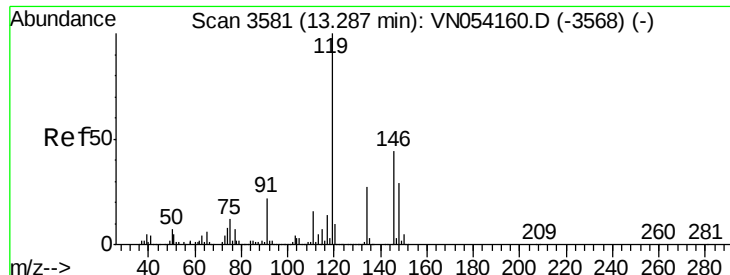
10000

5000

0

Time--> 13.10 13.15 13.20

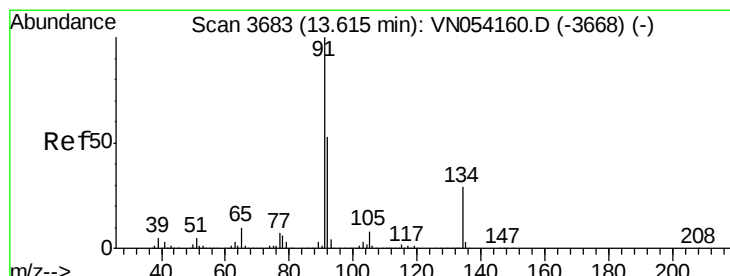
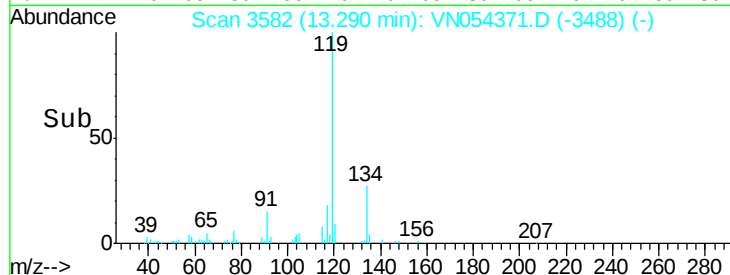
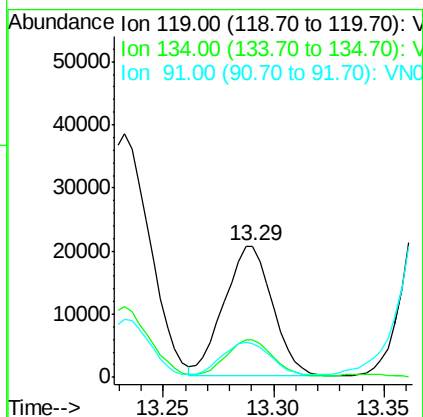
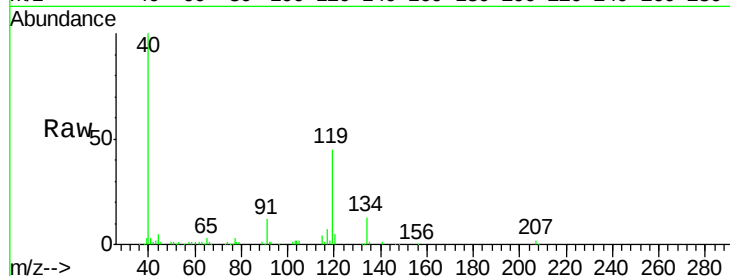




#86
p-Isopropyltoluene
Concen: 0.517 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

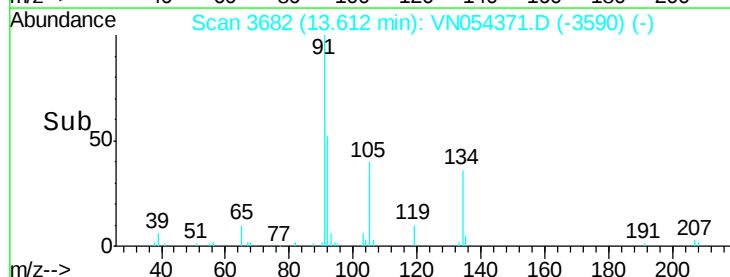
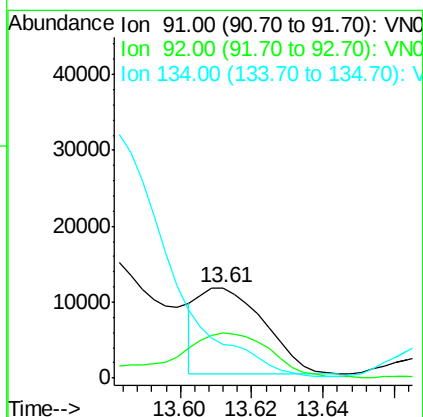
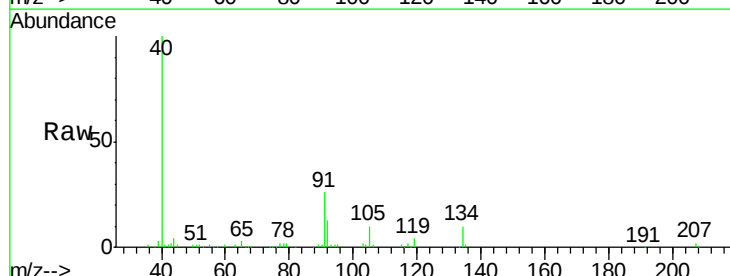
Instrument :
MSVOA_N
ClientSampled :
HR-05-031519-C

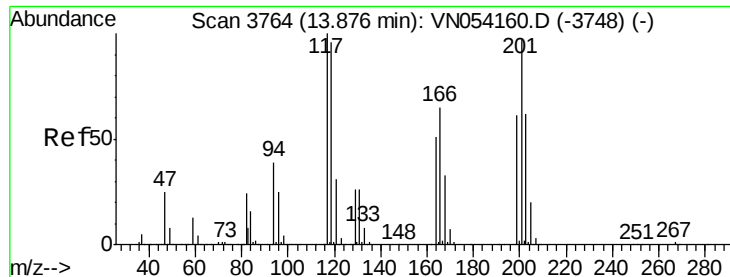
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.6	40.8
91	24.6	11.1	33.3



#89
n-Butylbenzene
Concen: 0.311 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054371.D
Acq: 17 Mar 2019 7:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	71.4	26.2	78.6
134	0.0	14.3	42.9#





#90

Hexachloroethane

Concen: 1.053 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

Instrument :

MSVOA_N

ClientSampled :

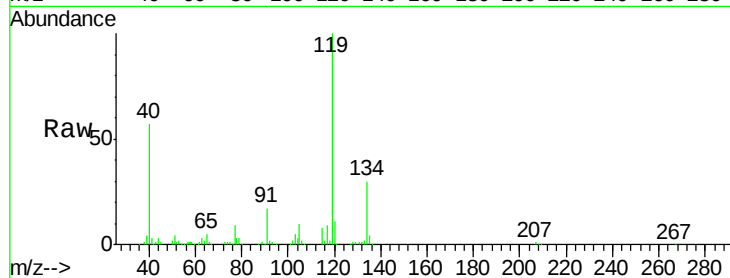
HR-05-031519-C

Tot Ion:117 Resp: 10602

Ion Ratio Lower Upper

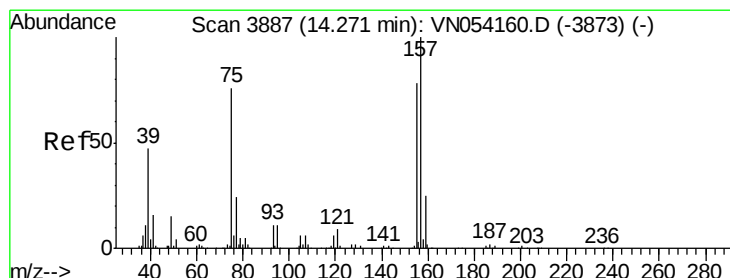
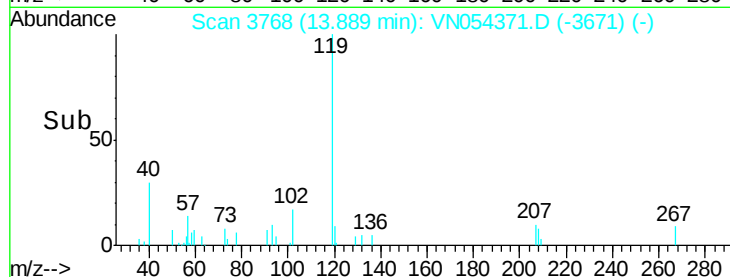
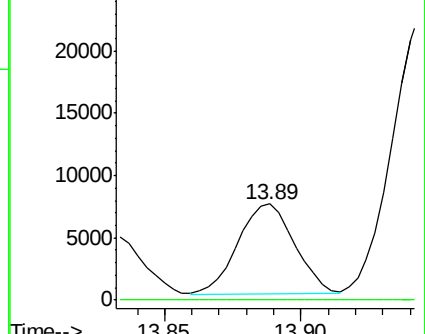
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.767 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054371.D

Acq: 17 Mar 2019 7:50

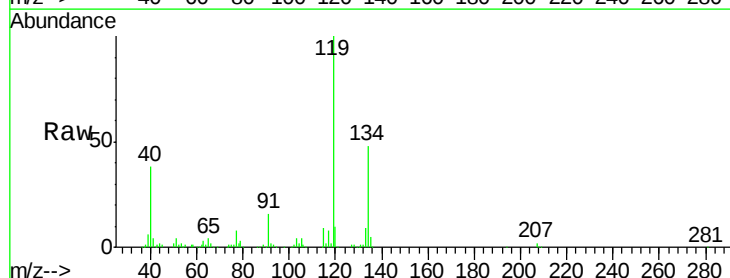
Tgt Ion: 75 Resp: 1766

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

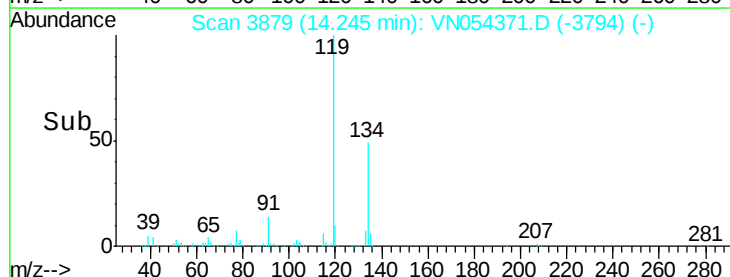
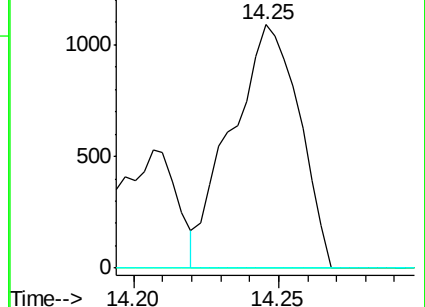
157 0.0 63.1 189.3#

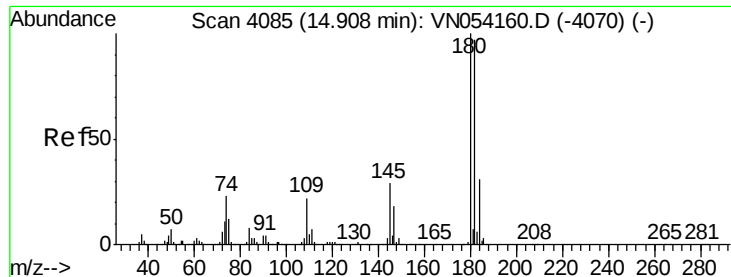


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

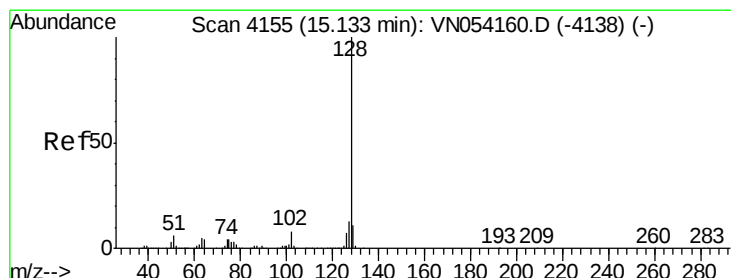
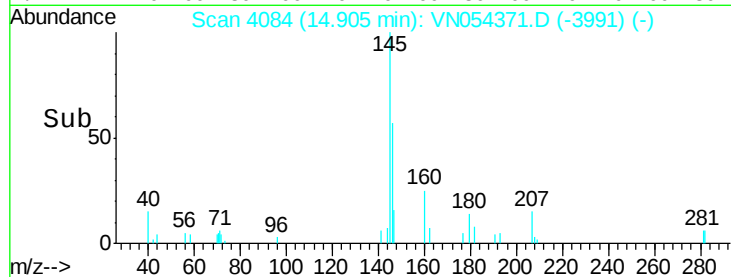
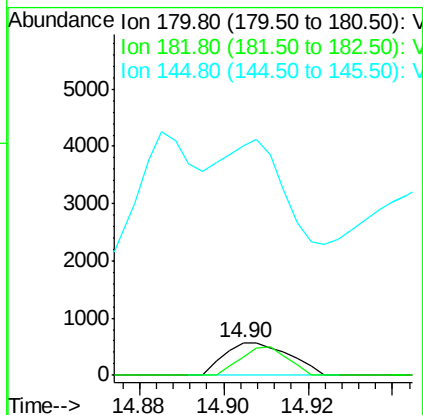
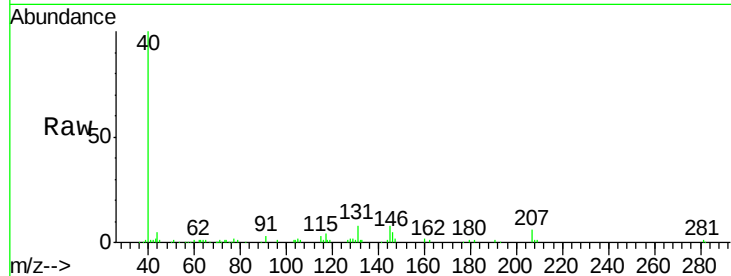




#93
 1,2,4-Trichlorobenzene
 Concen: 2.548 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054371.D
 Acq: 17 Mar 2019 7:50

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-031519-C

Tot Ion:180 Resp: 612
 Ion Ratio Lower Upper
 180 100
 182 63.1 48.0 144.2
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 5.440 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054371.D
 Acq: 17 Mar 2019 7:50

Tgt Ion:128 Resp: 81029
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.1 15.1
 129 10.1 8.7 13.1

