

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054372.D
 Acq On : 17 Mar 2019 8:17
 Operator : JC/SP
 Sample : K1687-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

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

Quant Time: Mar 18 05:09:13 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	1843635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2690291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2264213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	883880	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	915876	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
35) Dibromofluoromethane	7.59	113	809546	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
50) Toluene-d8	10.09	98	3097676	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	938363	41.85	ug/l	0.00
Spiked Amount			Recovery	=	83.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	106	1.501	ug/l #	42
11) Tert butyl alcohol	4.81	59	465	0.346	ug/l #	91
13) Acrolein	3.60	56	314	0.247	ug/l #	14
16) Acetone	3.82	43	31032	5.535	ug/l	93
18) Methyl Acetate	4.33	43	7691	0.678	ug/l #	76
20) Methylene Chloride	4.55	84	30105	1.635	ug/l	97
25) 2-Butanone	6.85	43	1681	0.255	ug/l #	77
29) Tetrahydrofuran	7.22	42	1211	0.286	ug/l #	75
30) Chloroform	7.37	83	9449	0.288	ug/l	88
31) Cyclohexane	7.66	56	28050	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	105645	4.264	ug/l #	49
38) Carbon Tetrachloride	7.66	117	151365	5.826	ug/l #	15
43) Isopropyl Acetate	8.17	43	27704	1.109	ug/l	100
45) 1,2-Dichloropropane	9.27	63	3536	0.201	ug/l #	43
48) Methyl methacrylate	9.18	41	13212	1.042	ug/l #	11
49) 1,4-Dioxane	9.27	88	217	1.210	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	16547	1.251	ug/l #	36
52) Toluene	10.16	92	12052	0.268	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	34	1.987	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	139679	5.027	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	27715	1.033	ug/l #	43
59) 2-Hexanone	10.76	43	357605	40.642	ug/l #	51
67) Ethyl Benzene	11.51	91	48356	0.587	ug/l	100
68) m/p-Xylenes	11.62	106	87563	2.718	ug/l	96
69) o-Xylene	11.95	106	99613	3.172	ug/l	96
71) Bromoform	12.40	173	5909	2.760	ug/l #	1
73) Isopropylbenzene	12.25	105	41193	0.583	ug/l	98
74) N-amyl acetate	11.88	43	36617	2.333	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	447488	34.428	ug/l #	100
78) n-propylbenzene	12.59	91	98638	1.285	ug/l	99
79) 2-Chlorotoluene	12.65	91	38502	0.835	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	312534	5.313	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	447488	117.690	ug/l #	11
82) 4-Chlorotoluene	12.73	91	30149	0.654	ug/l #	39

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ClientSampleId :
HR-05-031519-B

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

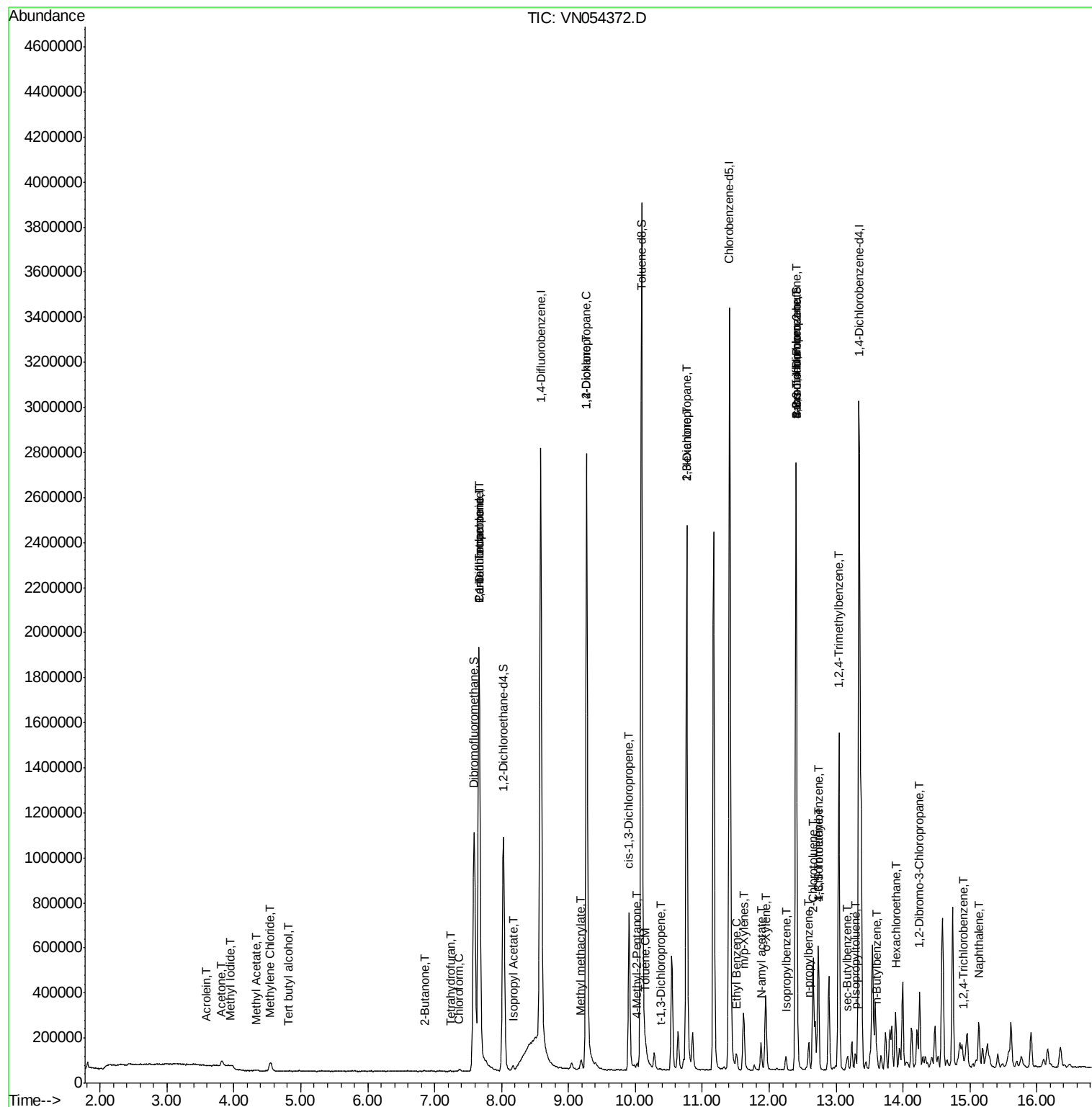
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	890280	15.428	ug/l	99
85) sec-Butylbenzene	13.17	105	40526	0.577	ug/l	82
86) p-Isopropyltoluene	13.29	119	42097	0.683	ug/l	99
89) n-Butylbenzene	13.61	91	27799	0.594	ug/l #	76
90) Hexachloroethane	13.89	117	12982	1.273	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1378	0.591	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	242	2.529	ug/l #	1
95) Naphthalene	15.13	128	176842	7.715	ug/l	99

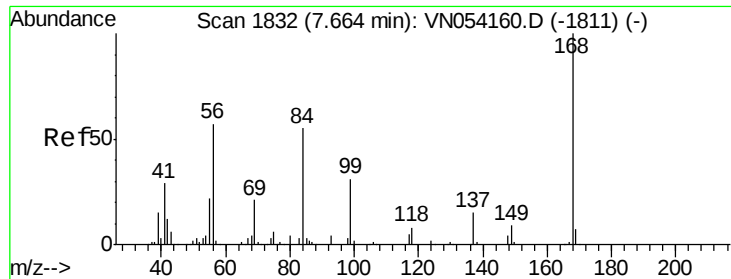
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

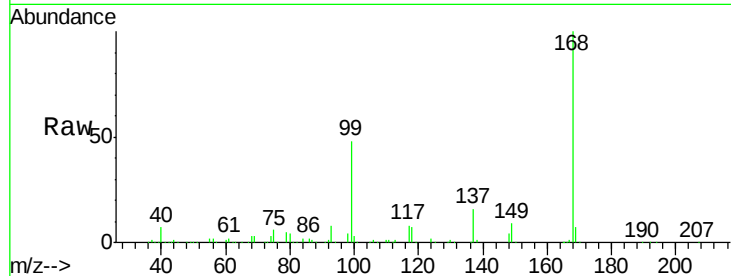
HR-05-031519-B

Tot Ion:168 Resp: 1843635

Ion Ratio Lower Upper

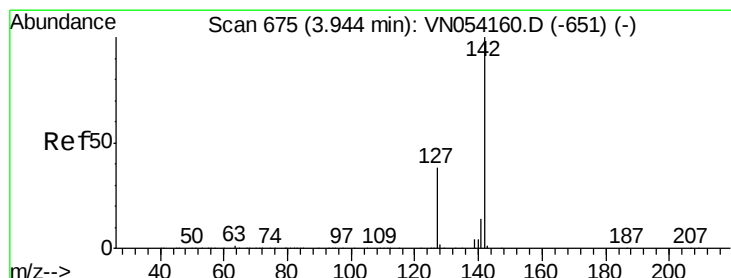
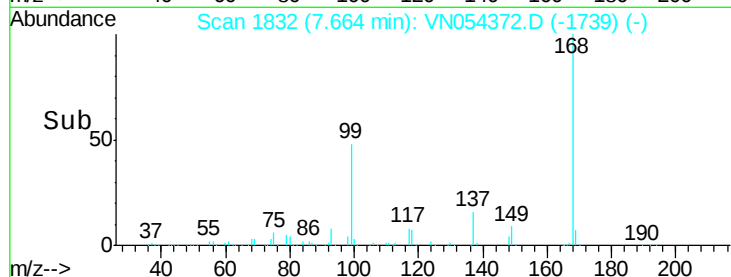
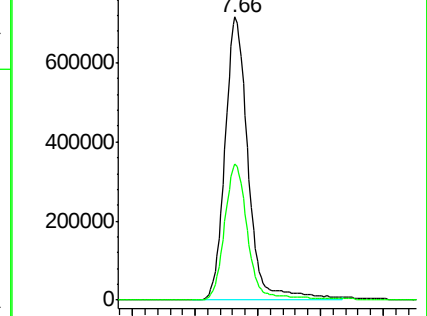
168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.501 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

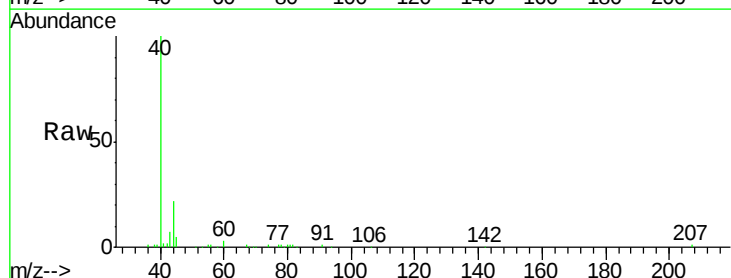
Tgt Ion:142 Resp: 106

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

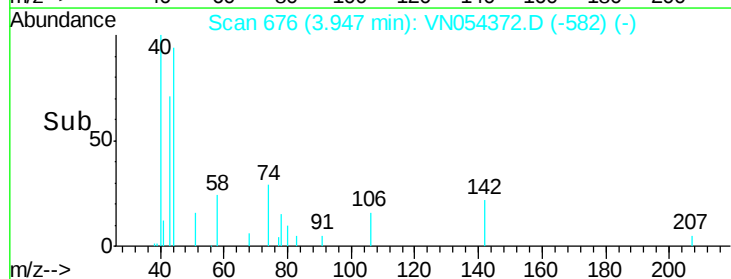
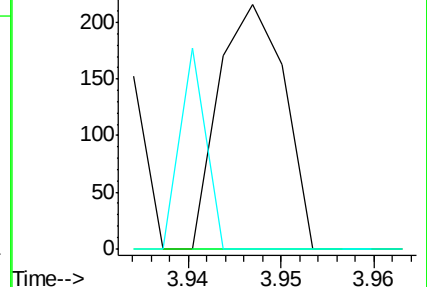
141 32.1 11.2 16.8#

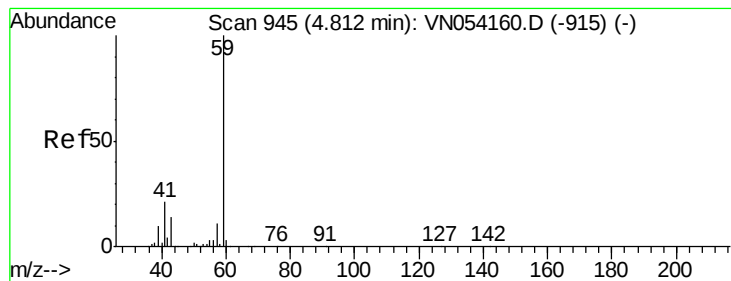


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



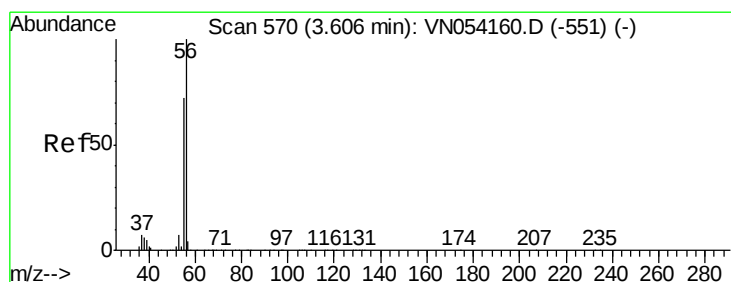
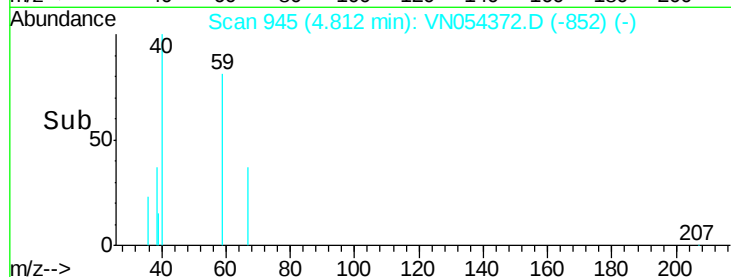
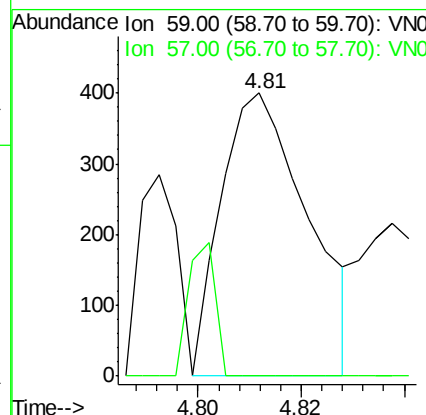
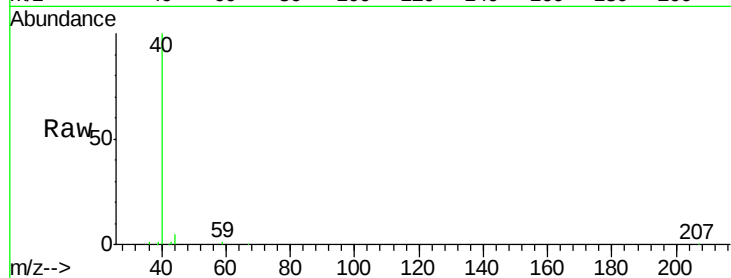


#11

Tert butyl alcohol
 Concen: 0.346 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054372.D
 Acq: 17 Mar 2019 8:17

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

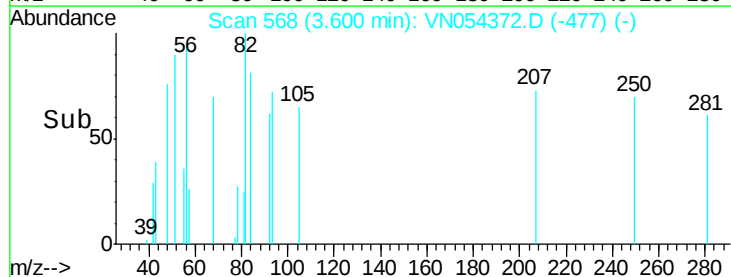
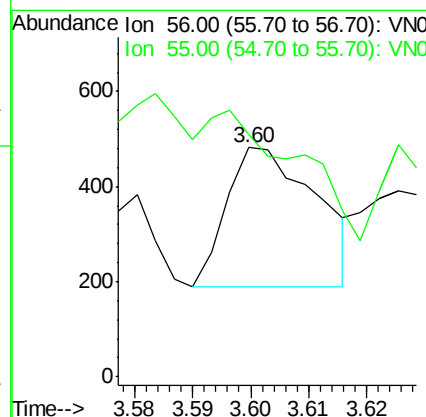
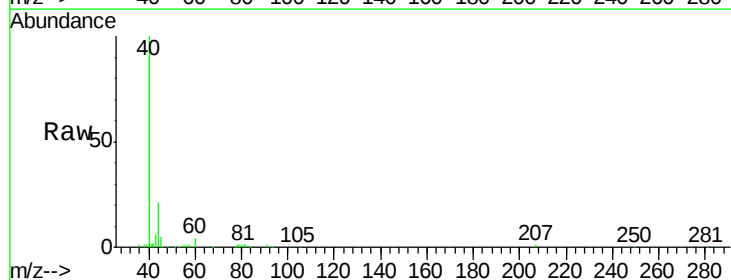
Tot Ion: 59 Resp: 465
 Ion Ratio Lower Upper
 59 100
 57 14.6 9.0 13.6#

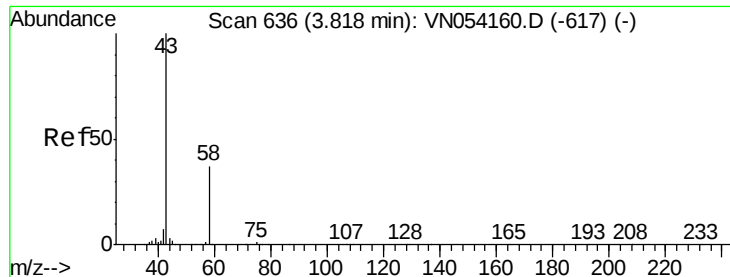


#13

Acrolein
 Concen: 0.247 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VN054372.D
 Acq: 17 Mar 2019 8:17

Tgt Ion: 56 Resp: 314
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#





#16

Acetone

Concen: 5.535 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

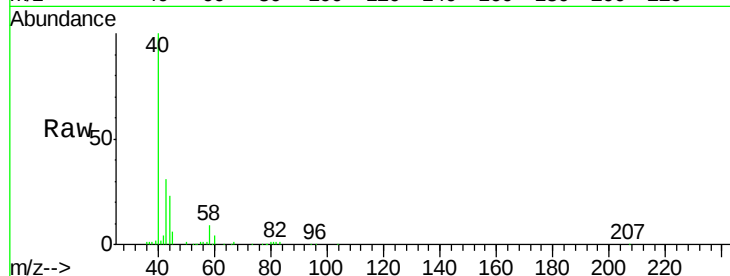
HR-05-031519-B

Tot Ion: 43 Resp: 31032

Ion Ratio Lower Upper

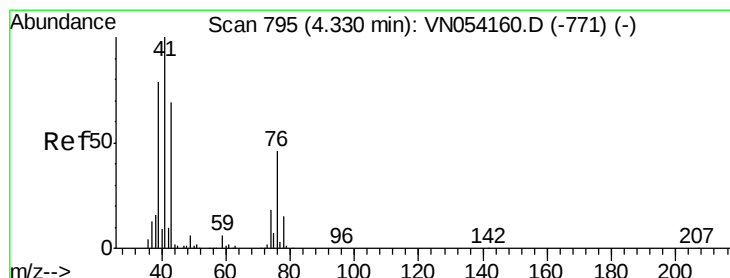
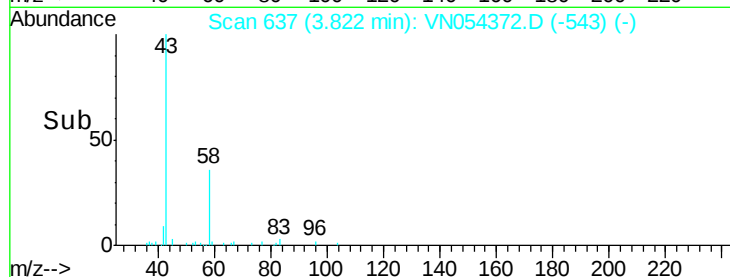
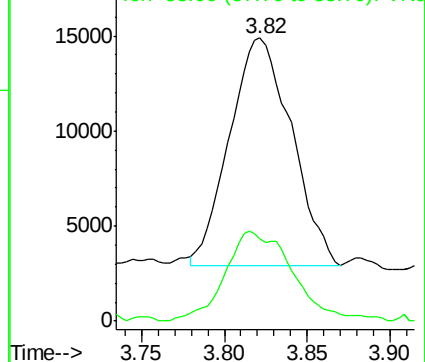
43 100

58 33.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.678 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054372.D

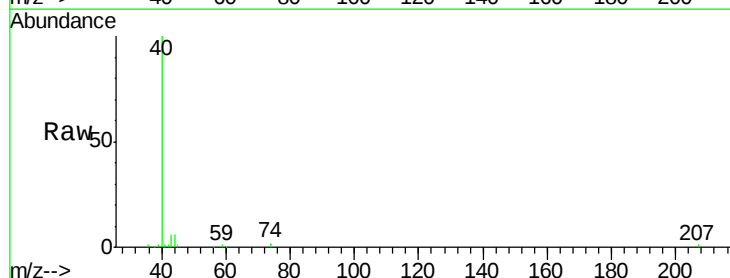
Acq: 17 Mar 2019 8:17

Tgt Ion: 43 Resp: 7691

Ion Ratio Lower Upper

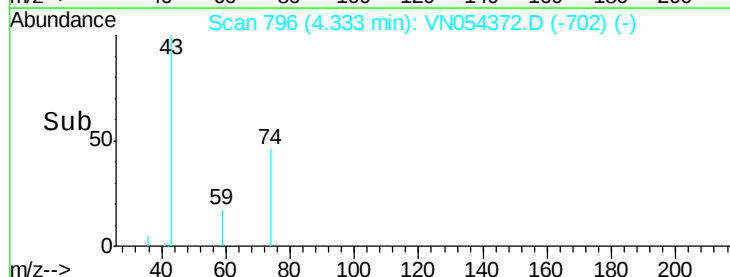
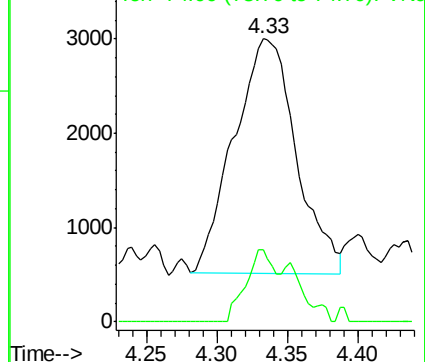
43 100

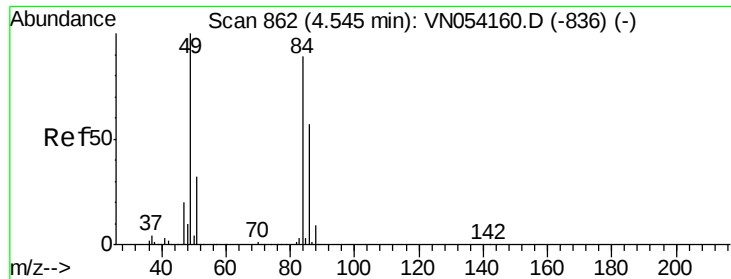
74 13.9 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

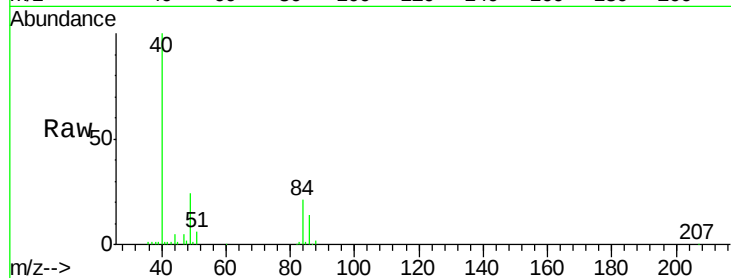




#20
Methvlene Chloride
Concen: 1.635 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

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

Tot Ion:	84	Resp:	30105
Ion	Ratio	Lower	Upper
84	100		
49	112.5	89.7	134.5
51	30.1	28.2	42.4
86	65.8	50.8	76.2

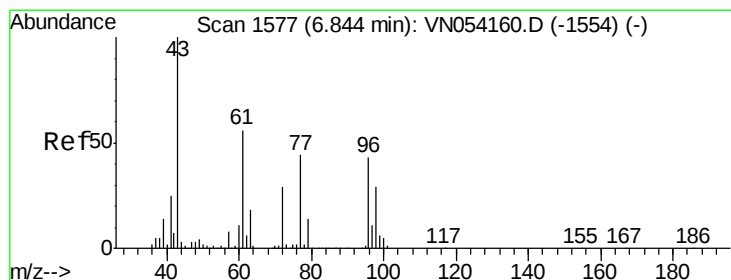
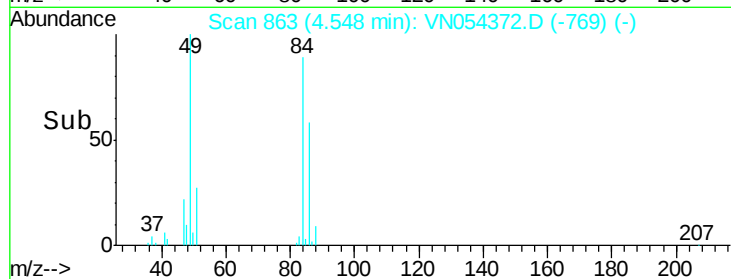
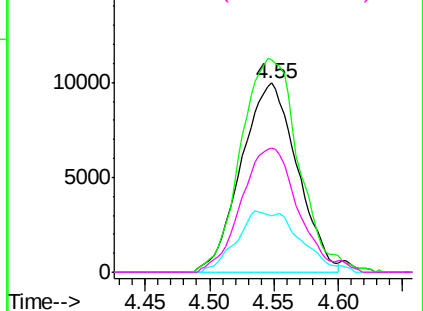


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

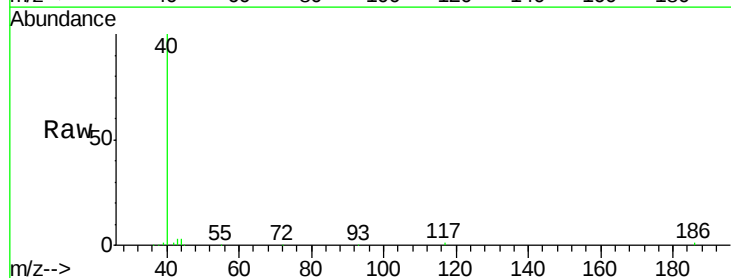
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



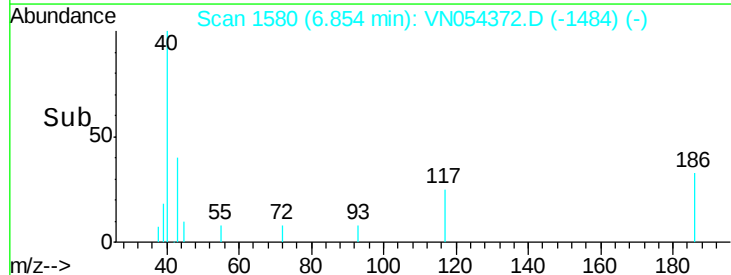
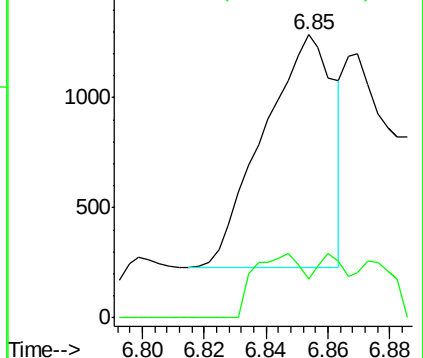
#25
2-Butanone
Concen: 0.255 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

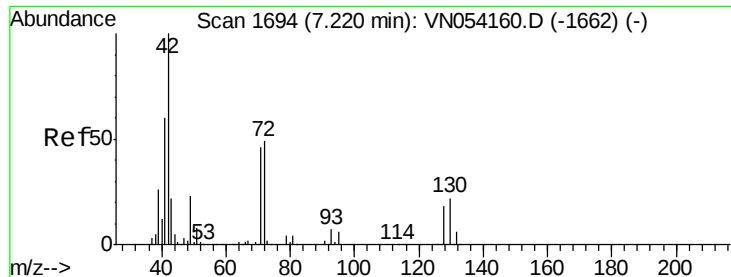
Tgt Ion:	43	Resp:	1681
Ion	Ratio	Lower	Upper
43	100		
72	16.6	23.0	34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

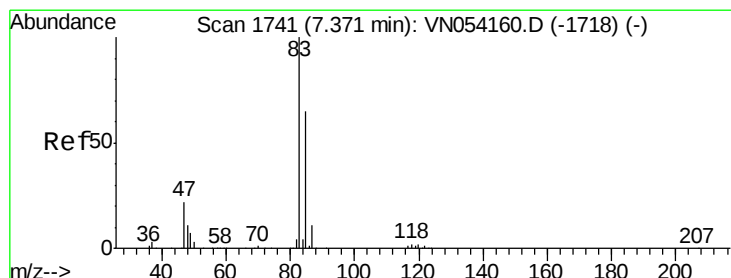
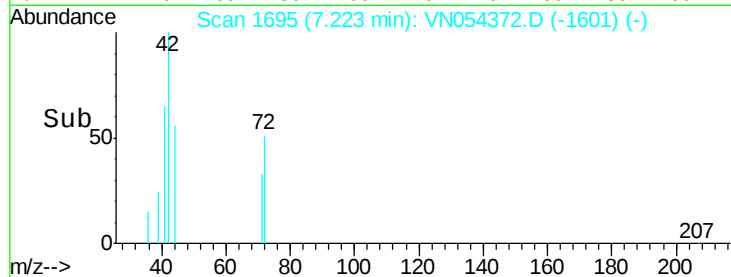
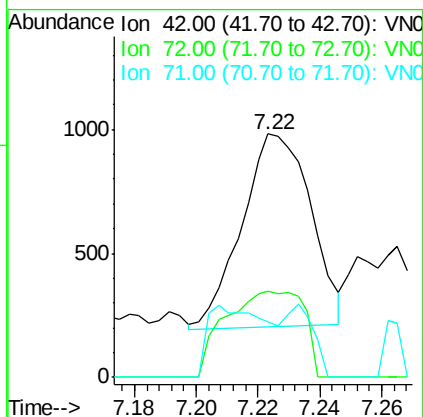
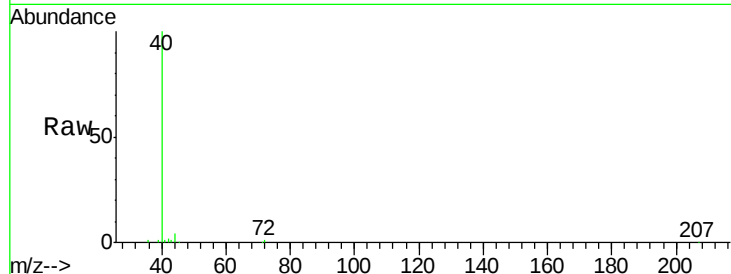




#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

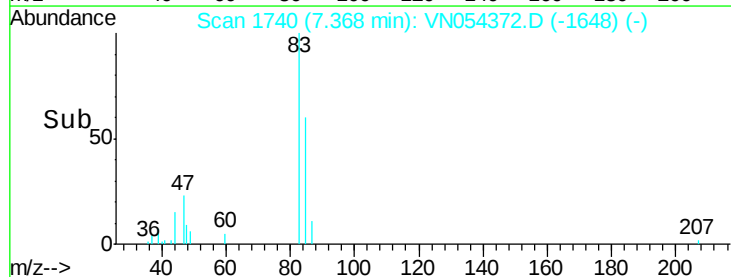
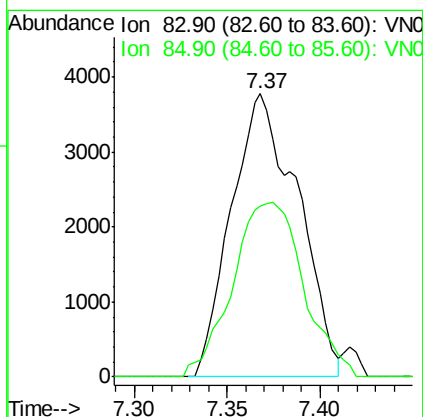
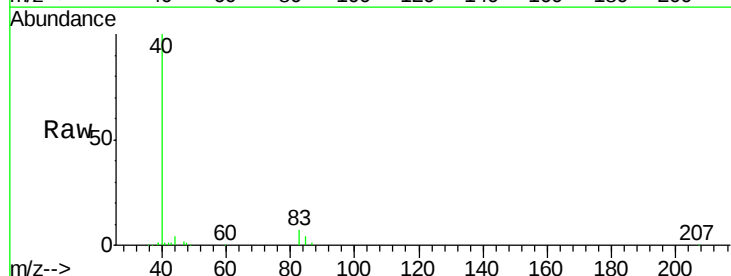
Instrument :
MSVOA_N
ClientSampled :
HR-05-031519-B

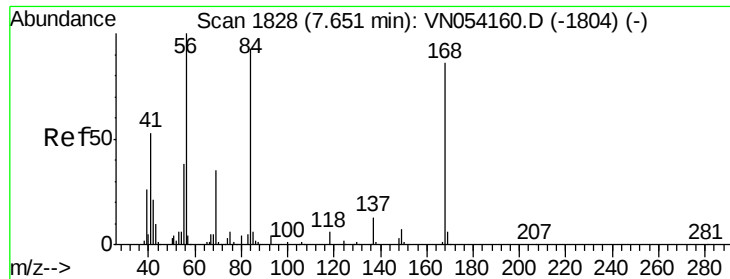
Tot Ion: 42 Resp: 1211
Ion Ratio Lower Upper
42 100
72 50.8 37.8 56.6
71 15.2 36.2 54.2#



#30
Chloroform
Concen: 0.288 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion: 83 Resp: 9449
Ion Ratio Lower Upper
83 100
85 55.8 52.2 78.4

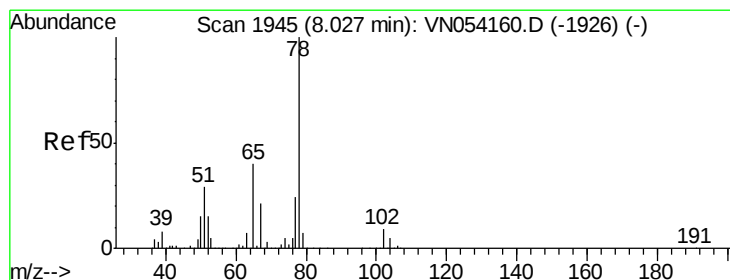
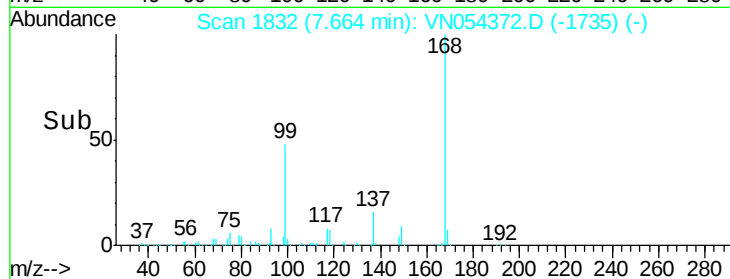
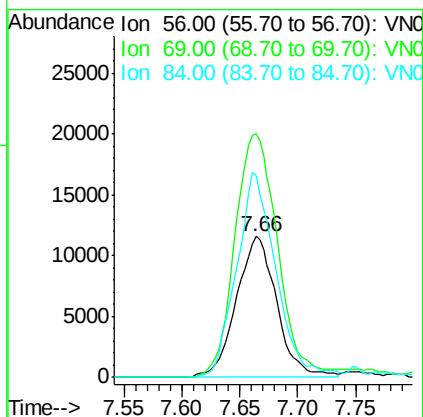
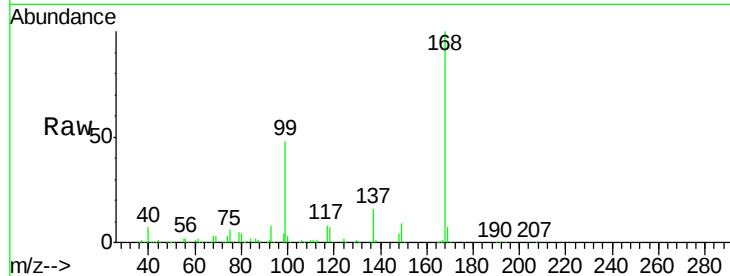




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

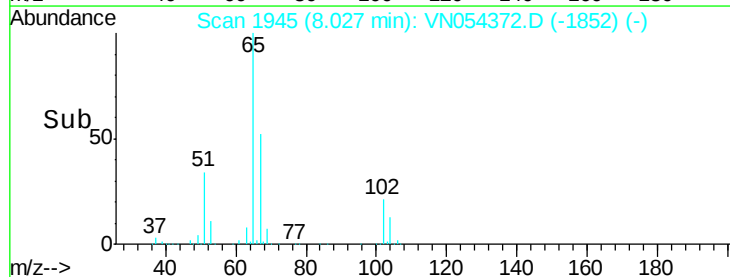
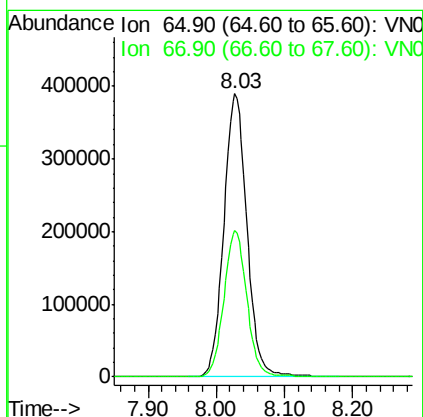
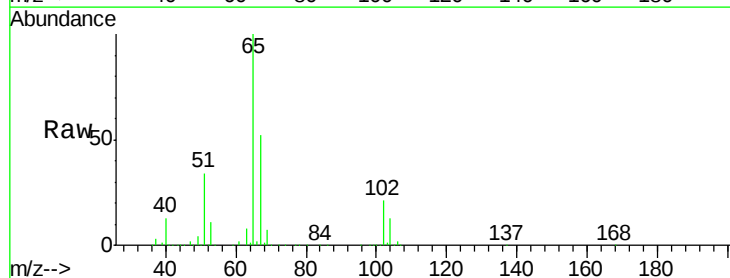
Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-B

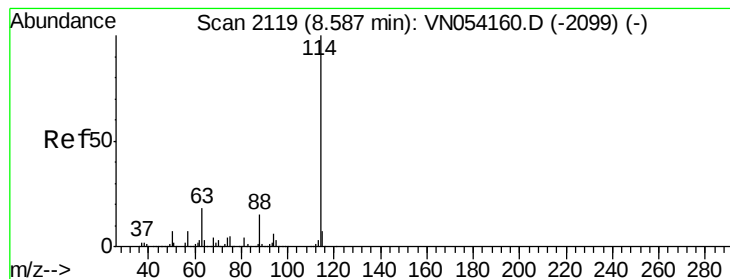
Tot Ion: 56 Resp: 28050
Ion Ratio Lower Upper
56 100
69 172.9 27.8 41.6#
84 143.1 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 46.777 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion: 65 Resp: 915876
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

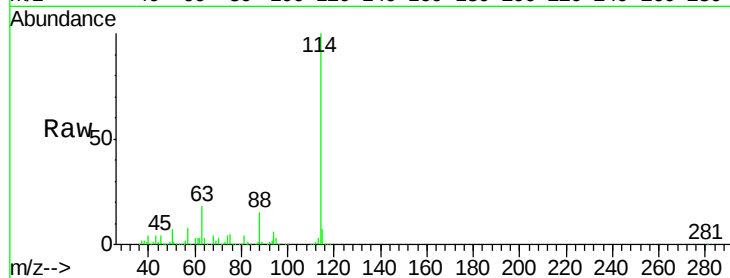
Tot Ion:114 Resp: 2690291

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

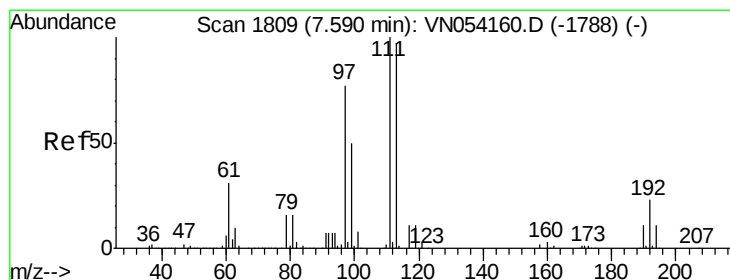
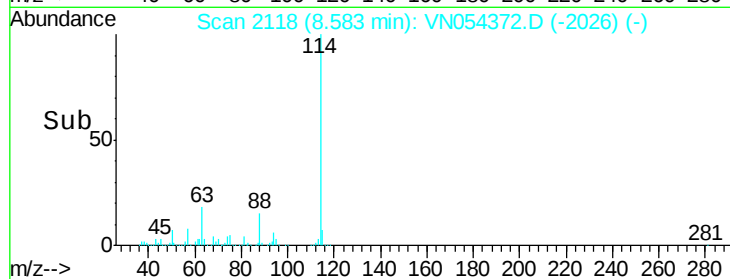
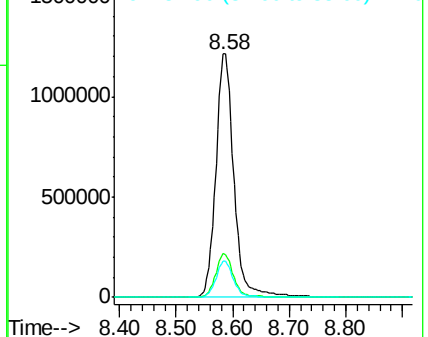
88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.656 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

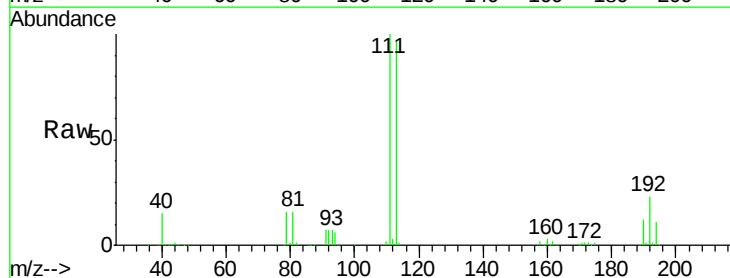
Tgt Ion:113 Resp: 809546

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

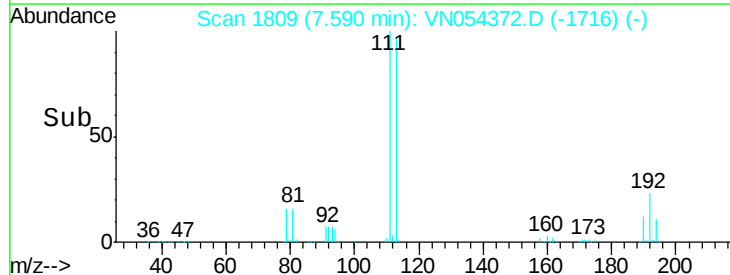
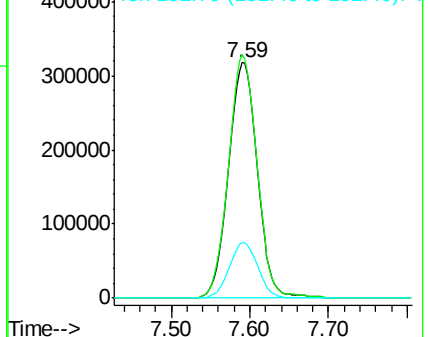
192 23.4 19.2 28.8

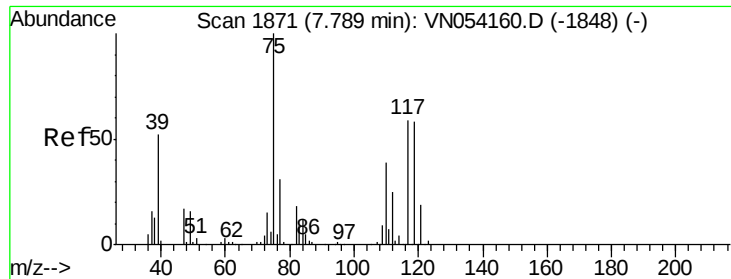


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

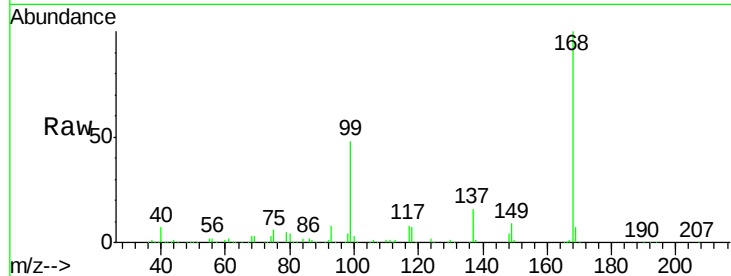




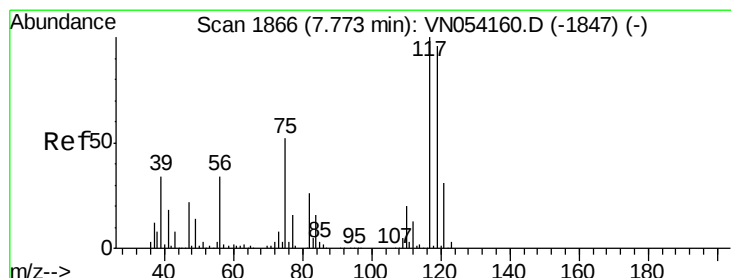
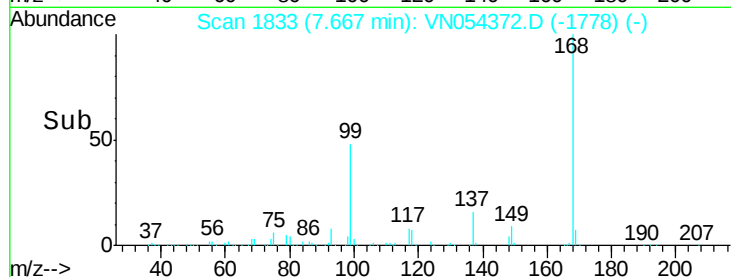
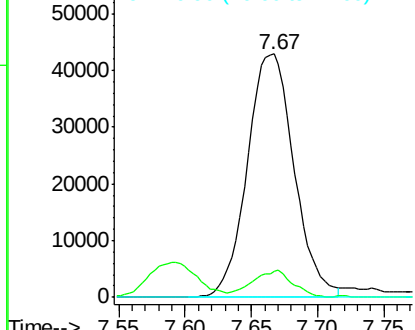
#36
 1,1-Dichloropropene
 Concen: 4.264 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054372.D
 Acq: 17 Mar 2019 8:17

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

Tot Ion	75	Resp	105645
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	19.1	57.5#
77	0.0	25.0	37.4#

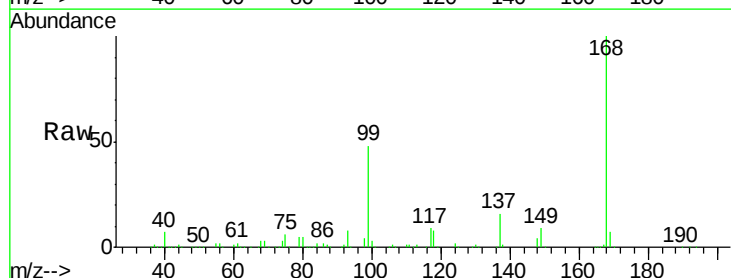


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

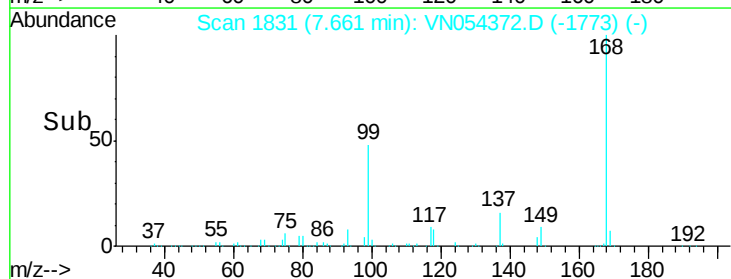
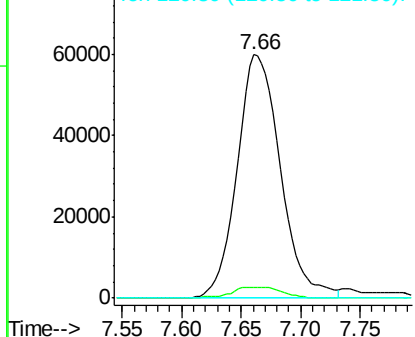


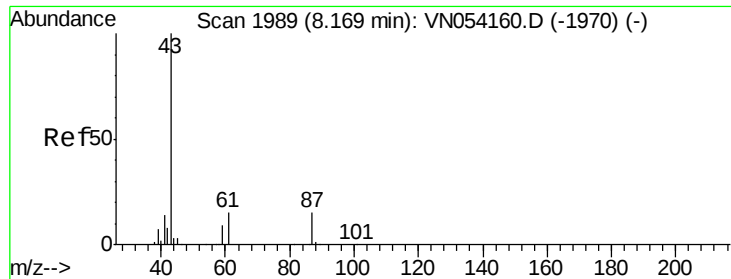
#38
 Carbon Tetrachloride
 Concen: 5.826 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054372.D
 Acq: 17 Mar 2019 8:17

Tgt Ion	117	Resp	151365
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.2	76.3	114.5#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 1.109 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampled :

HR-05-031519-B

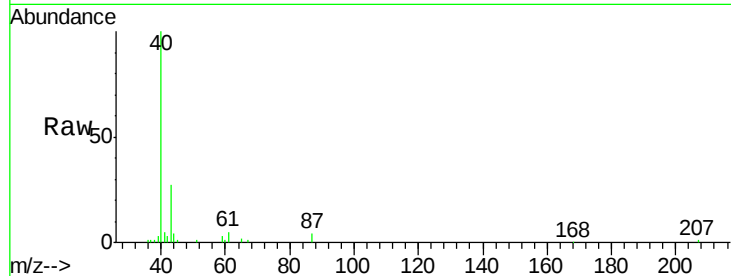
Tot Ion: 43 Resp: 27704

Ion Ratio Lower Upper

43 100

61 19.8 15.8 23.8

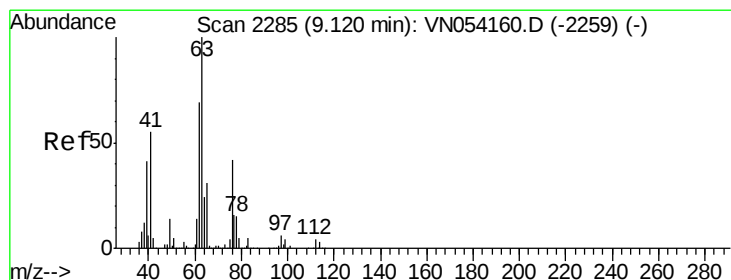
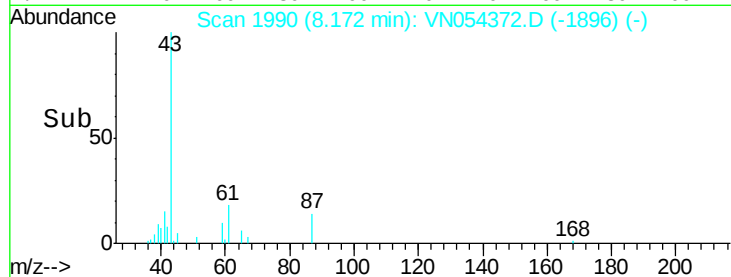
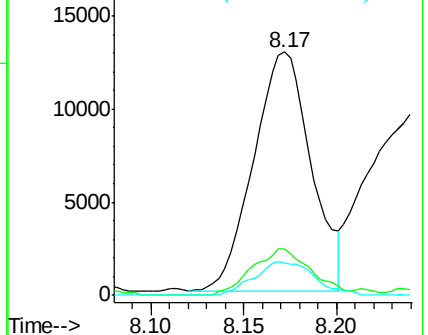
87 14.7 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.201 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN054372.D

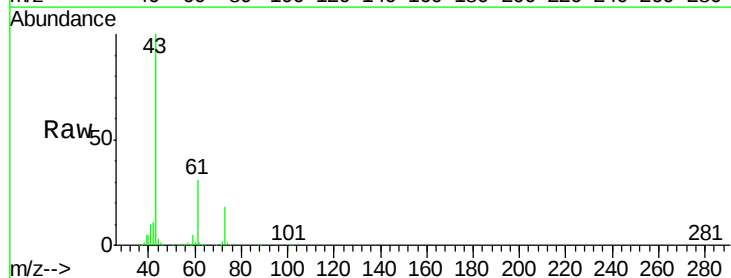
Acq: 17 Mar 2019 8:17

Tgt Ion: 63 Resp: 3536

Ion Ratio Lower Upper

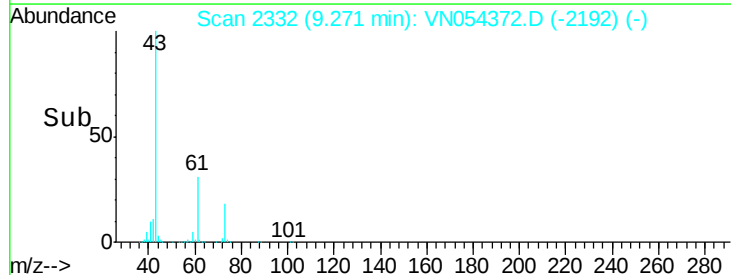
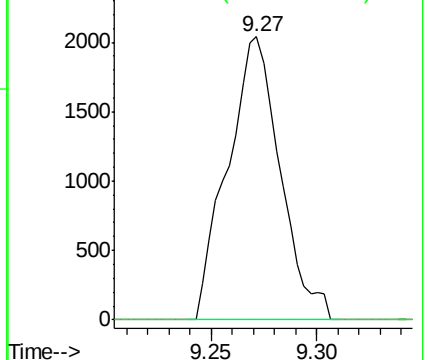
63 100

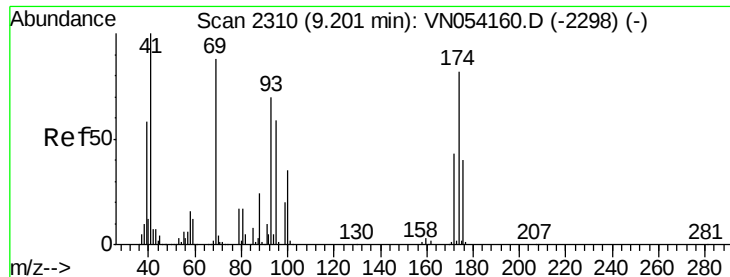
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

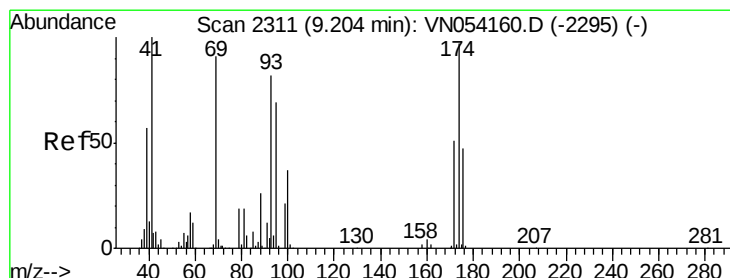
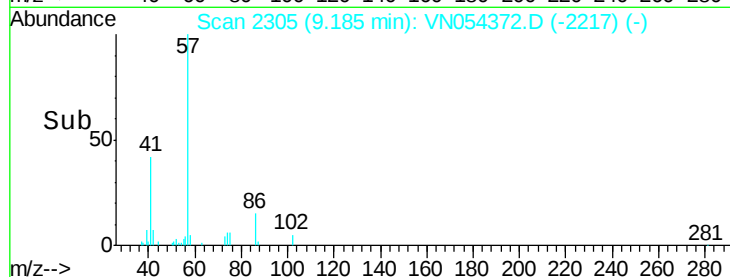
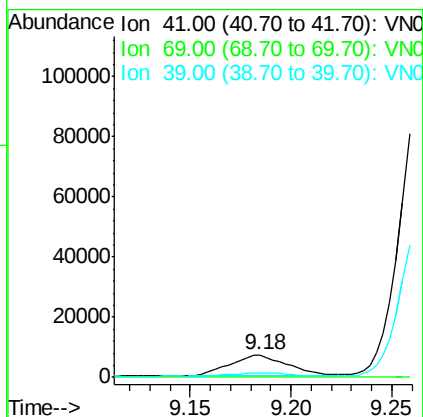
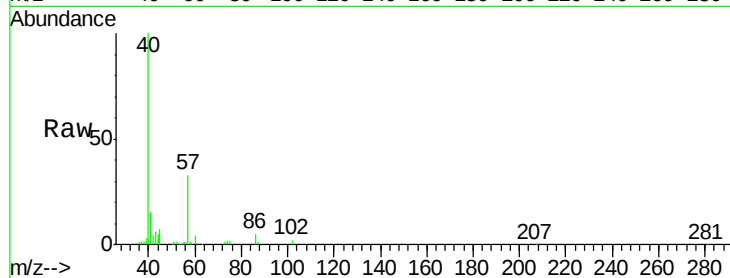




#48
Methyl methacrylate
Concen: 1.042 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

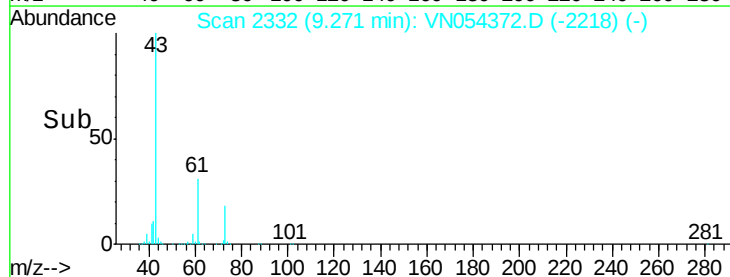
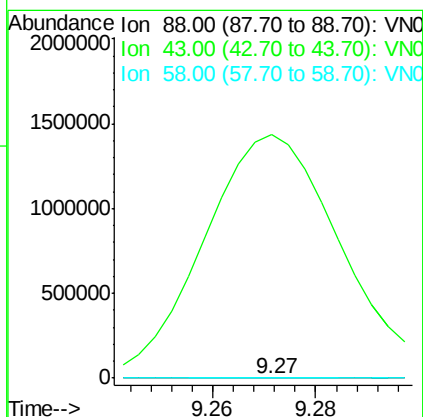
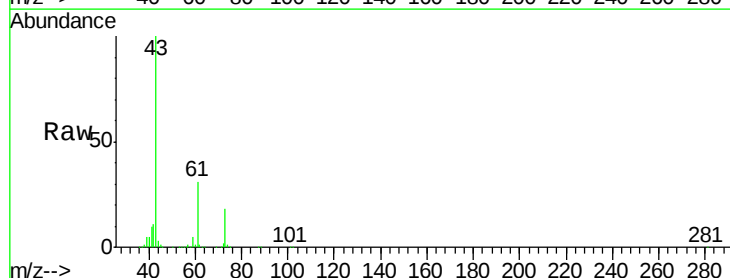
Instrument :
MSVOA_N
ClientSampled :
HR-05-031519-B

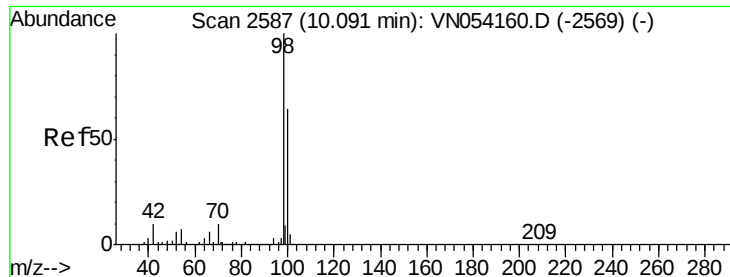
Tot Ion: 41 Resp: 13212
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 1.210 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion: 88 Resp: 217
Ion Ratio Lower Upper
88 100
43 1306441.9 24.1 36.1#
58 5841.5 50.8 76.2#





#50

Toluene-d8

Concen: 48.340 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

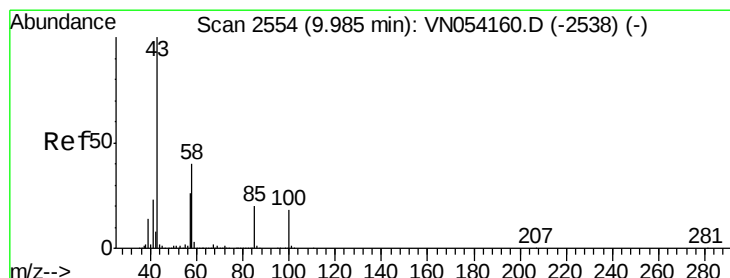
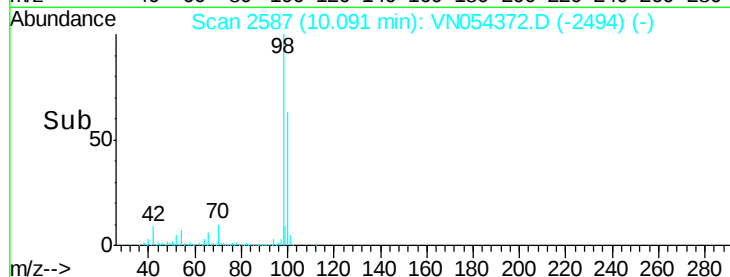
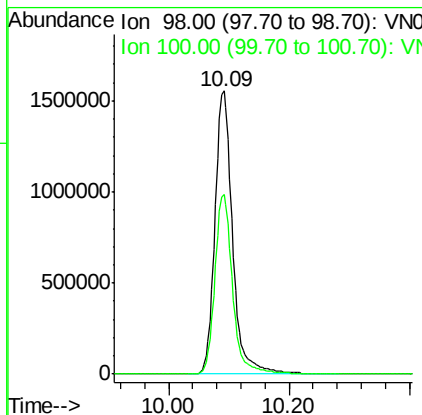
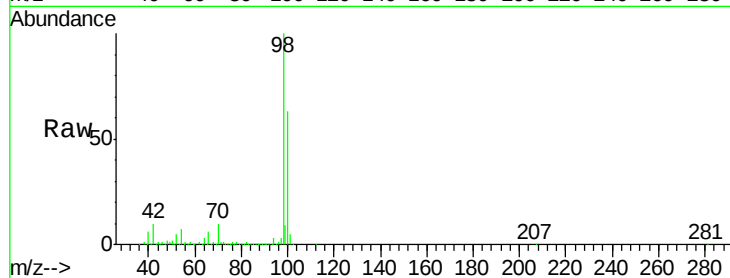
HR-05-031519-B

Tot Ion: 98 Resp: 3097676

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.251 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054372.D

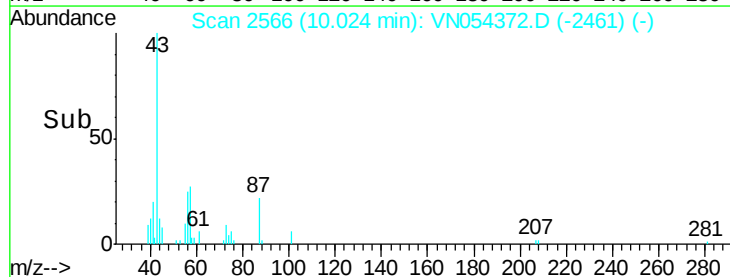
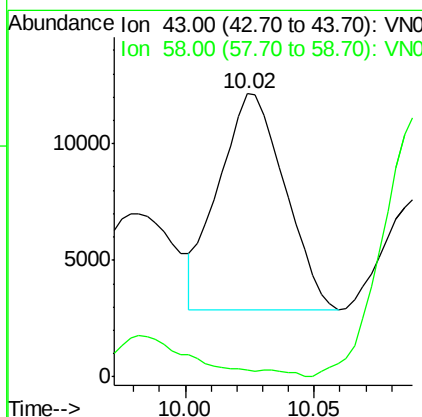
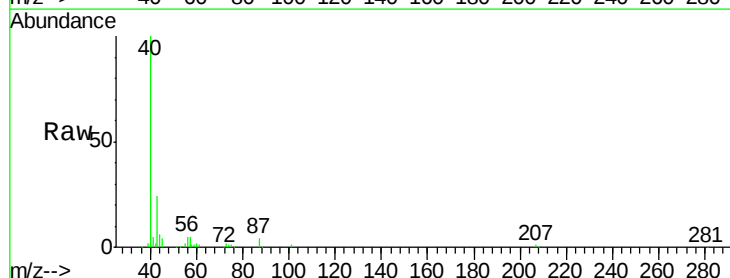
Acq: 17 Mar 2019 8:17

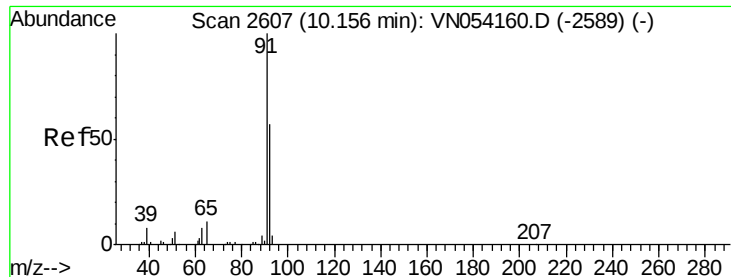
Tgt Ion: 43 Resp: 16547

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#52

Toluene

Concen: 0.268 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

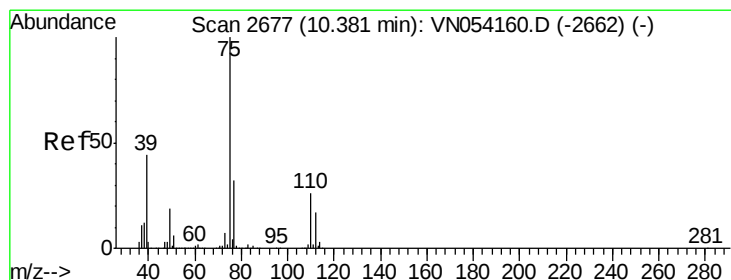
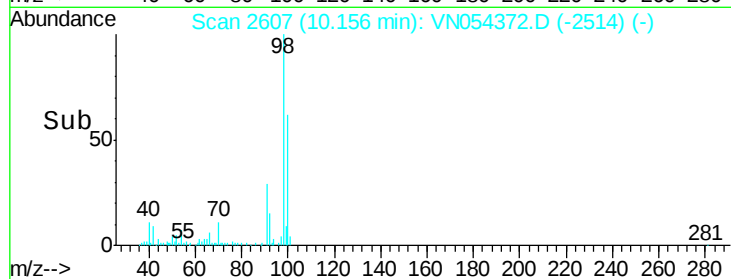
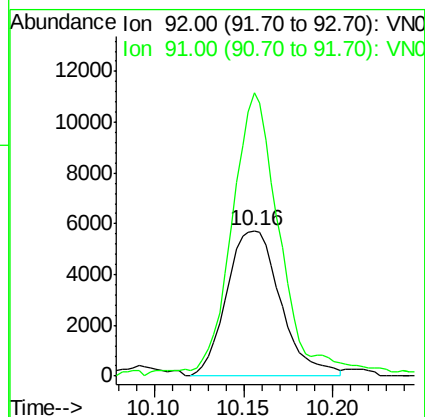
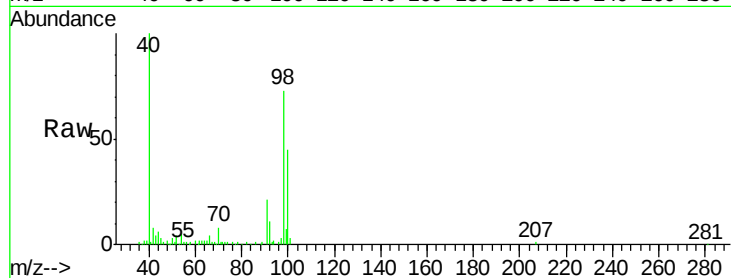
HR-05-031519-B

Tot Ion: 92 Resp: 12052

Ion Ratio Lower Upper

92 100

91 177.7 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054372.D

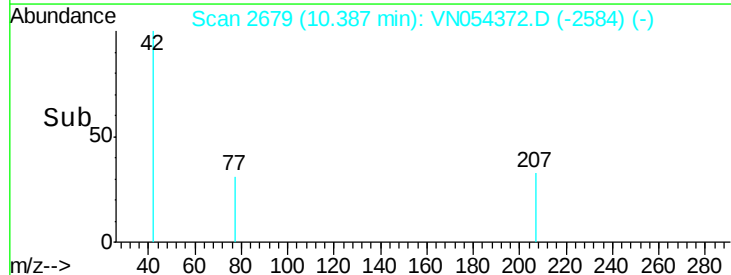
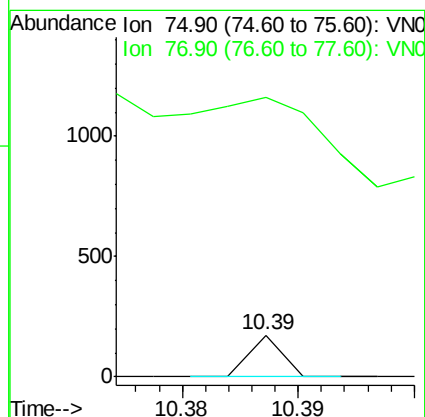
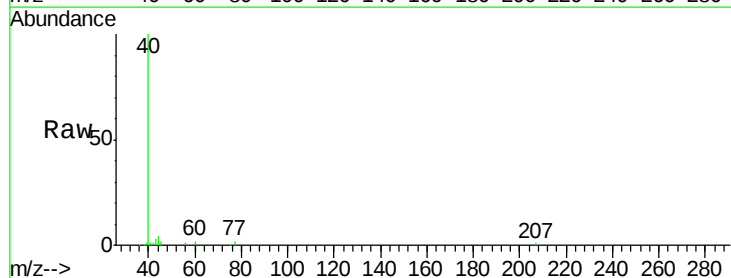
Acq: 17 Mar 2019 8:17

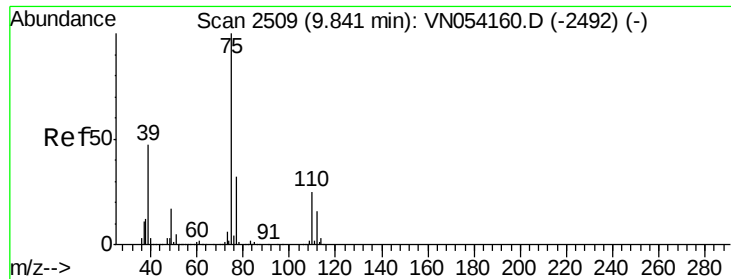
Tgt Ion: 75 Resp: 34

Ion Ratio Lower Upper

75 100

77 134.9 25.8 38.8#





#54

cis-1,3-Dichloropropene

Concen: 5.027 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

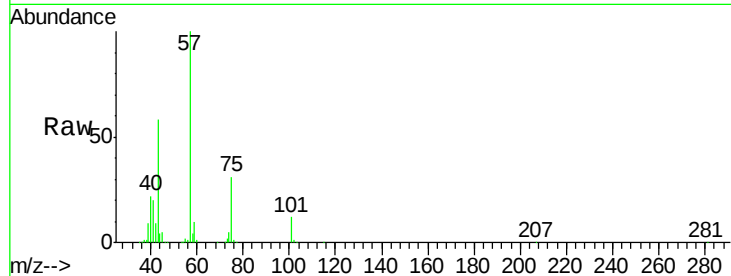
Tot Ion: 75 Resp: 139679

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

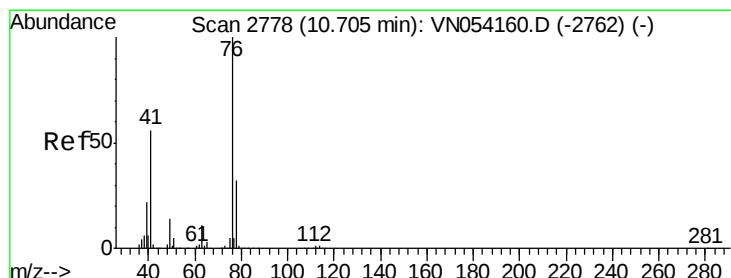
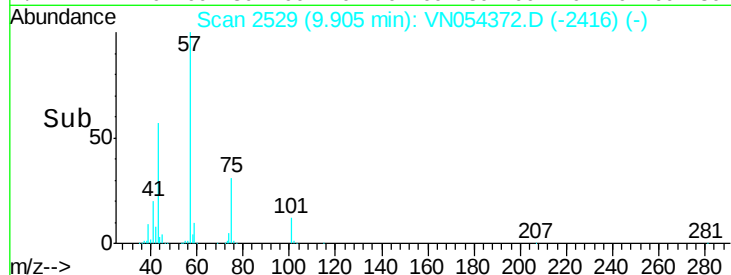
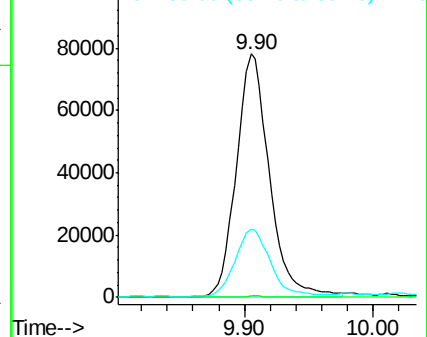
39 27.8 37.2 55.8#



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: 1.033 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054372.D

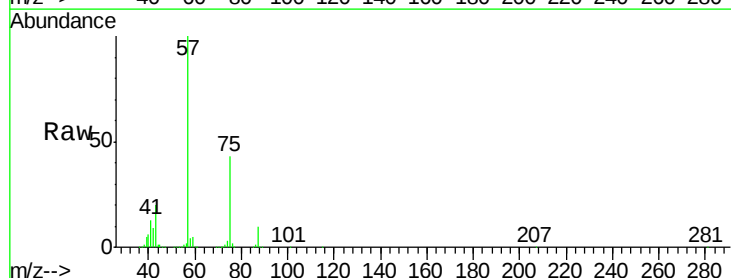
Acq: 17 Mar 2019 8:17

Tgt Ion: 76 Resp: 27715

Ion Ratio Lower Upper

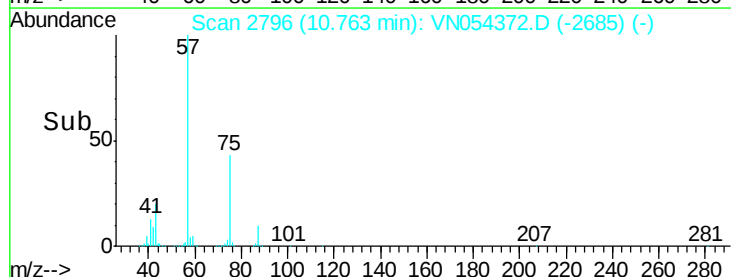
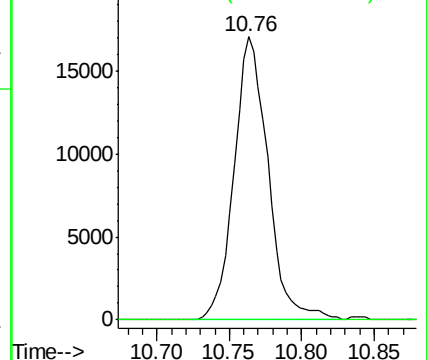
76 100

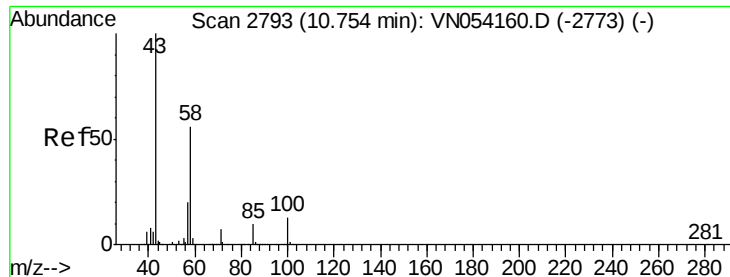
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

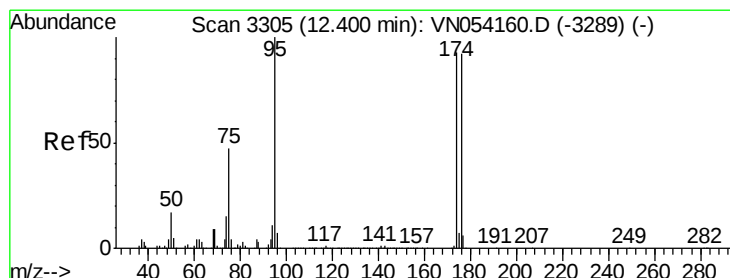
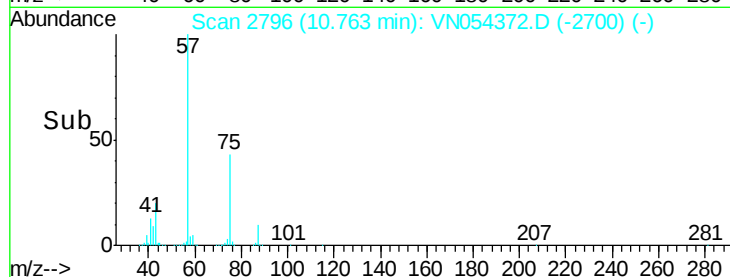
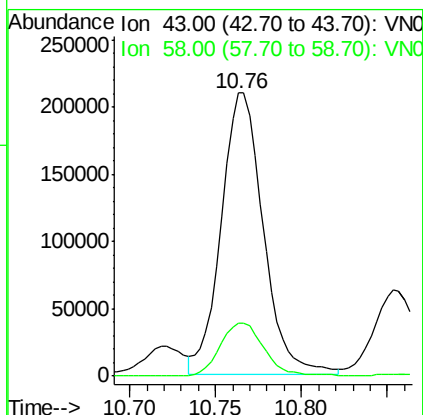
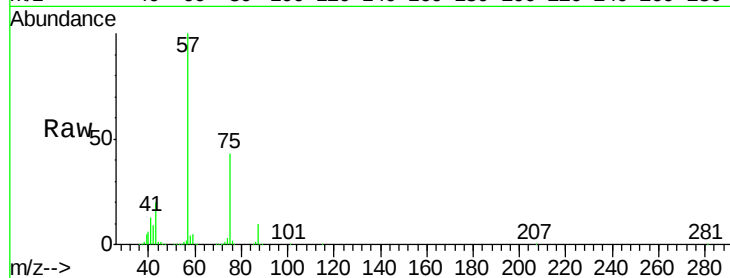




#59
2-Hexanone
Concen: 40.642 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

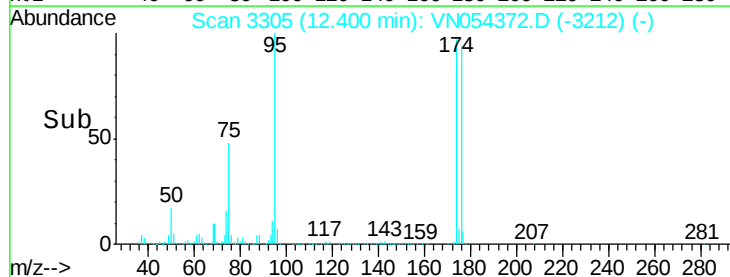
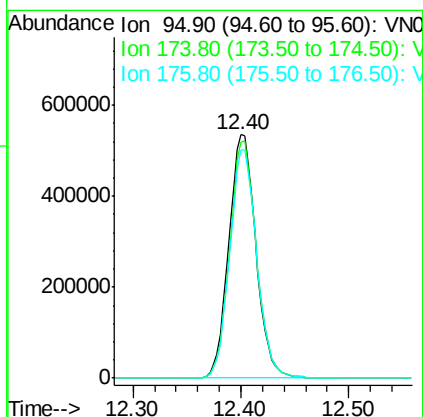
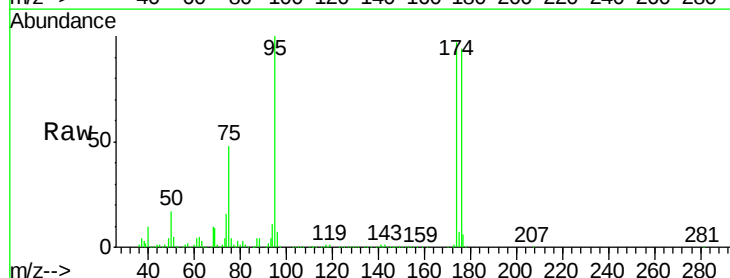
Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-B

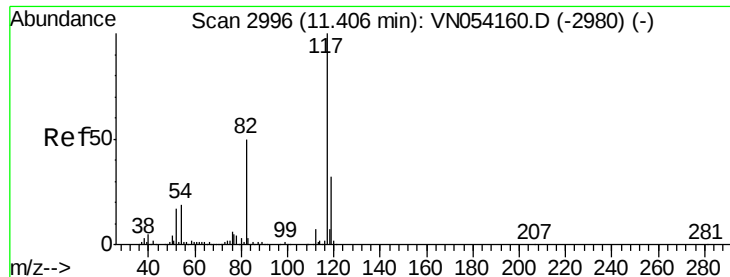
Tot Ion: 43 Resp: 357605
Ion Ratio Lower Upper
43 100
58 19.9 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 41.850 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion: 95 Resp: 938363
Ion Ratio Lower Upper
95 100
174 96.4 0.0 191.0
176 93.5 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: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

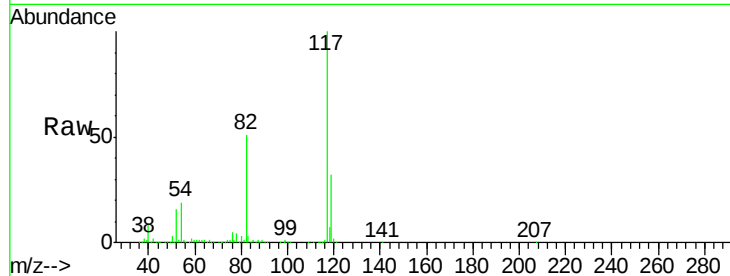
Tot Ion:117 Resp: 2264213

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

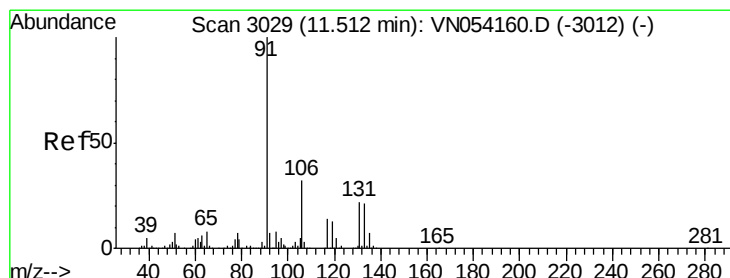
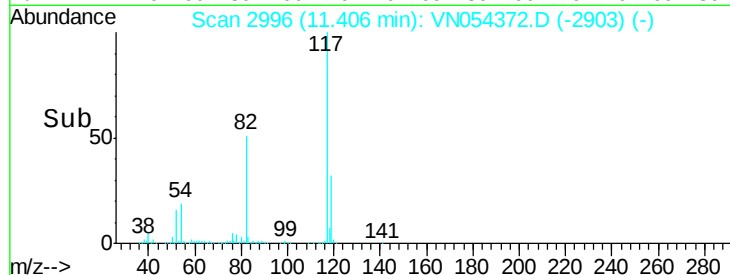
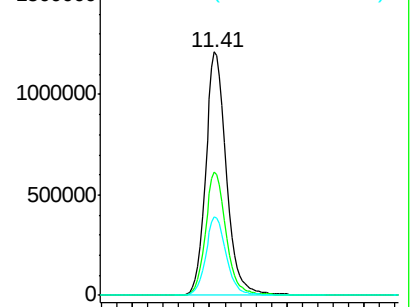
119 32.2 25.8 38.6



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: 0.587 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054372.D

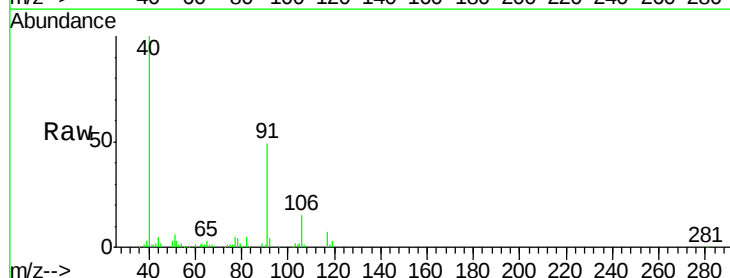
Acq: 17 Mar 2019 8:17

Tgt Ion: 91 Resp: 48356

Ion Ratio Lower Upper

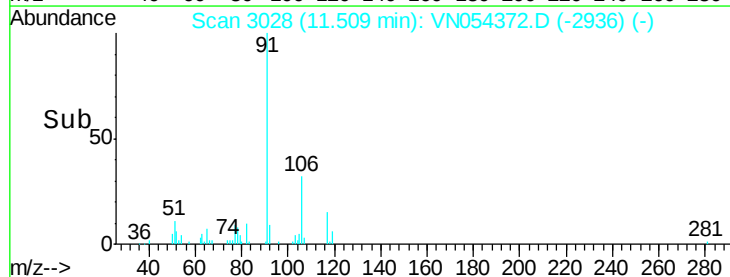
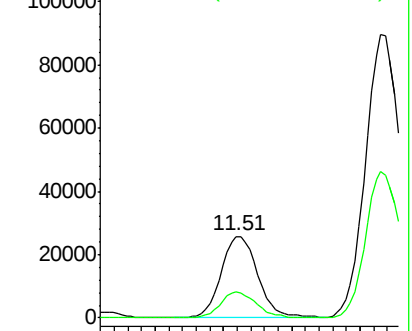
91 100

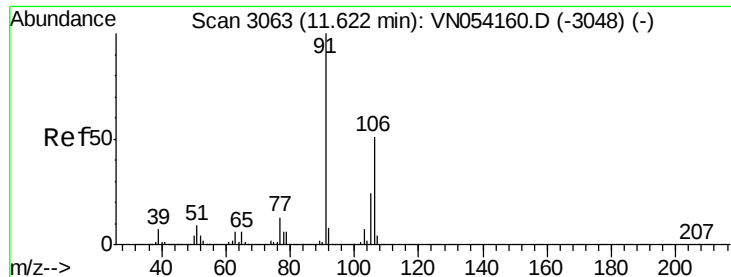
106 31.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

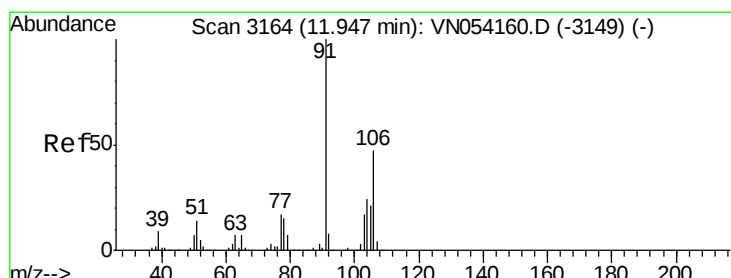
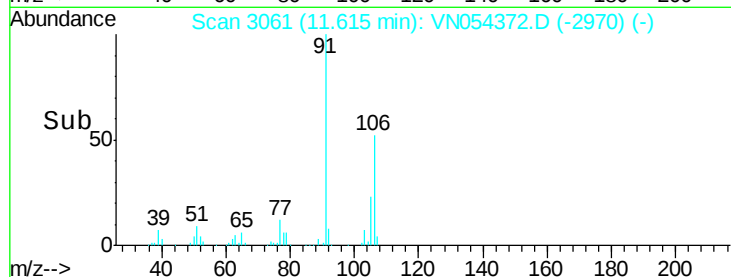
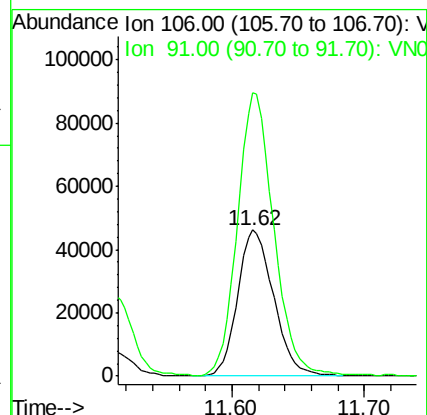
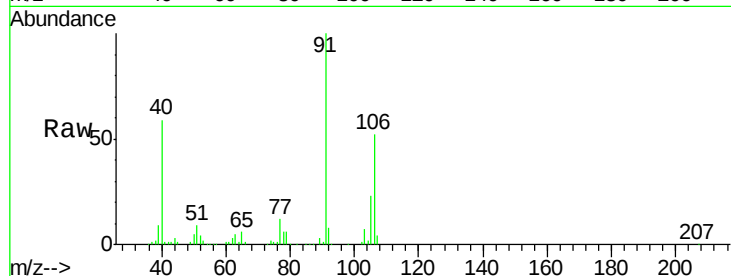




#68
m/p-Xylenes
Concen: 2.718 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

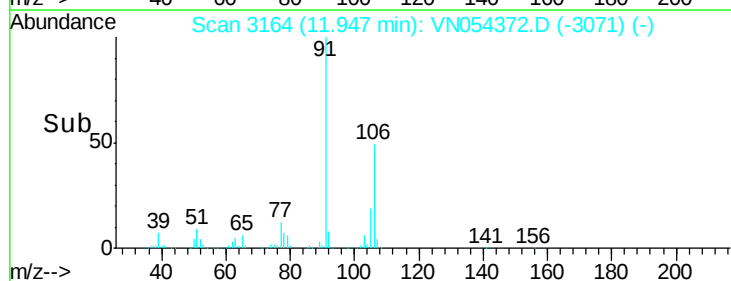
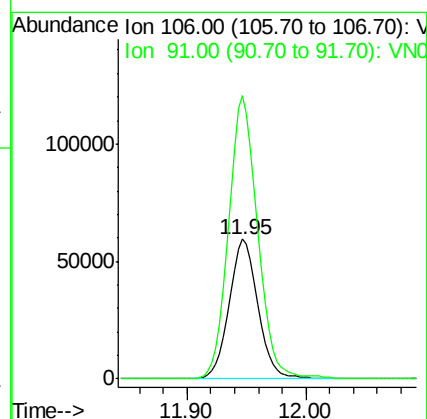
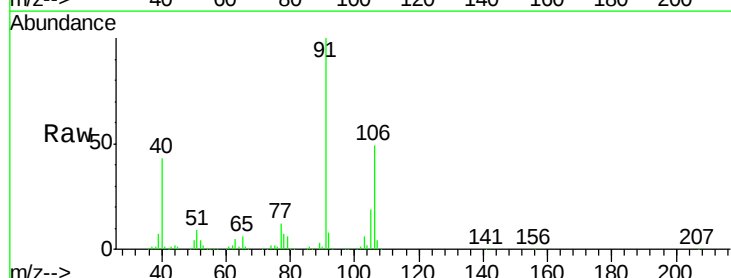
Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-B

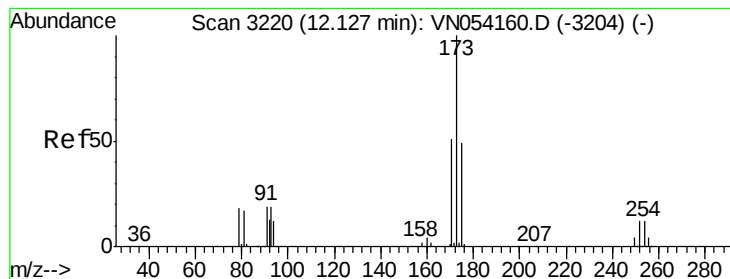
Tot Ion:106 Resp: 87563
Ion Ratio Lower Upper
106 100
91 193.0 159.4 239.2



#69
o-Xylene
Concen: 3.172 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion:106 Resp: 99613
Ion Ratio Lower Upper
106 100
91 204.9 105.7 317.1





#71

Bromoform

Concen: 2.760 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

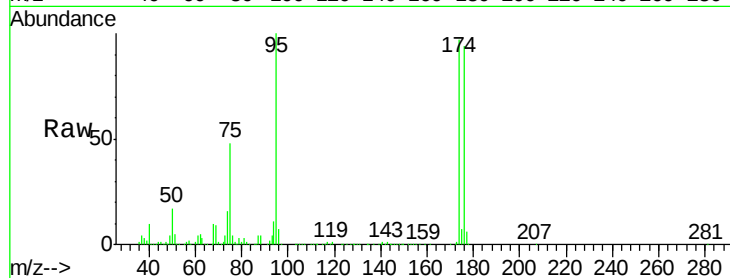
Tot Ion:173 Resp: 5909

Ion Ratio Lower Upper

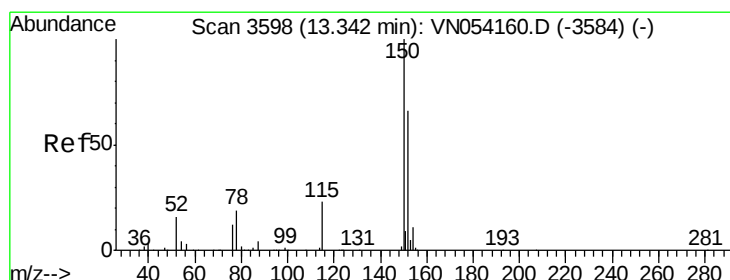
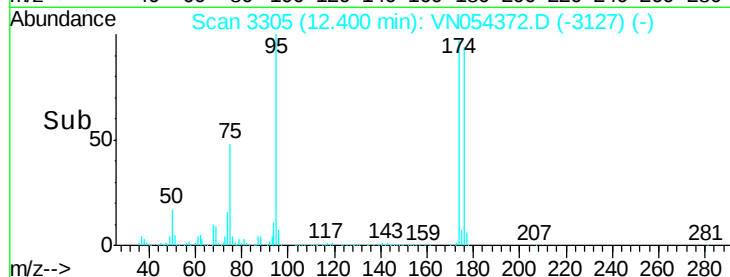
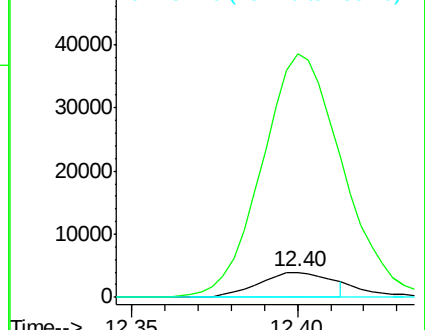
173 100

175 947.6 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: VN054372.D

Acq: 17 Mar 2019 8:17

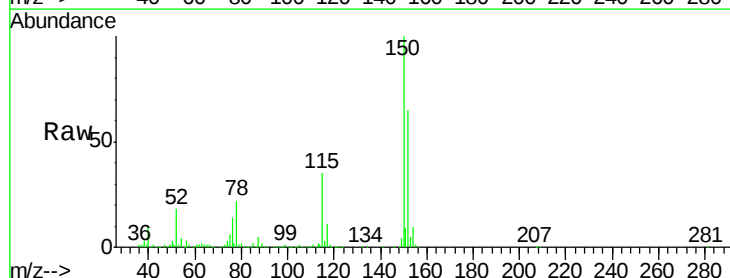
Tgt Ion:152 Resp: 883880

Ion Ratio Lower Upper

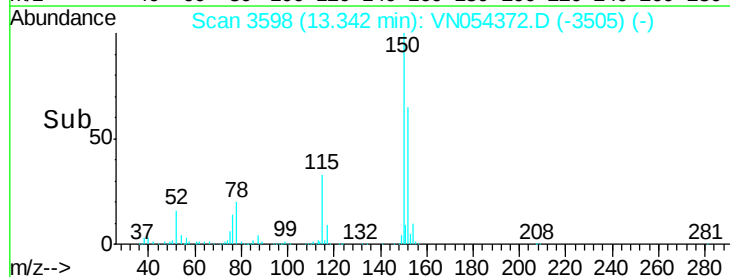
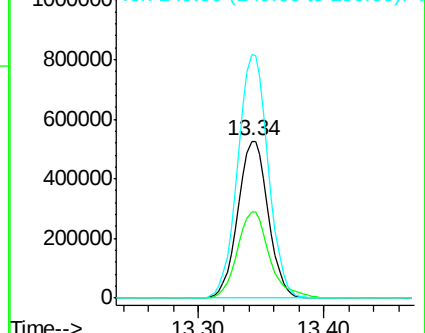
152 100

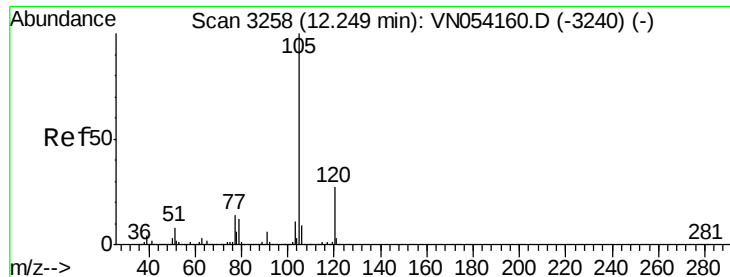
115 57.8 27.2 81.6

150 155.5 0.0 349.2



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





#73

Isopropylbenzene

Concen: 0.583 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

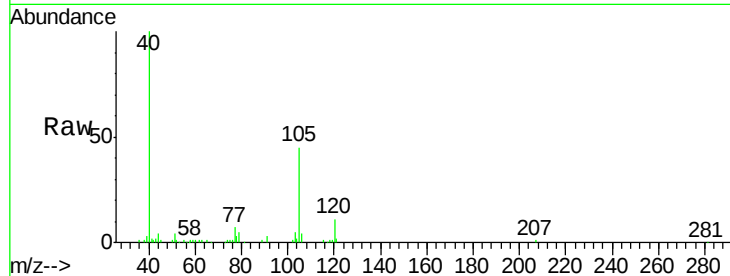
HR-05-031519-B

Tot Ion:105 Resp: 41193

Ion Ratio Lower Upper

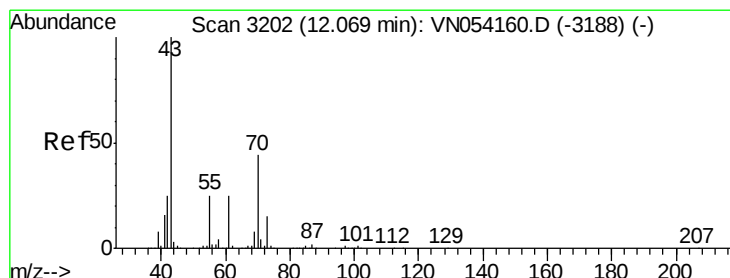
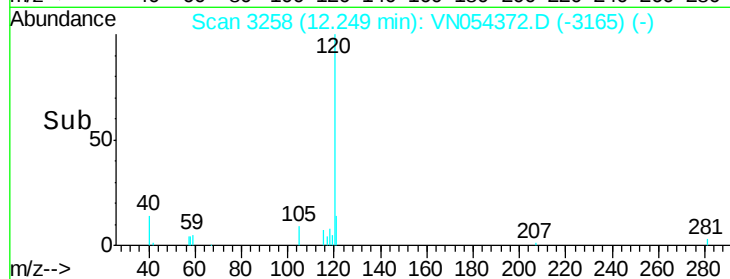
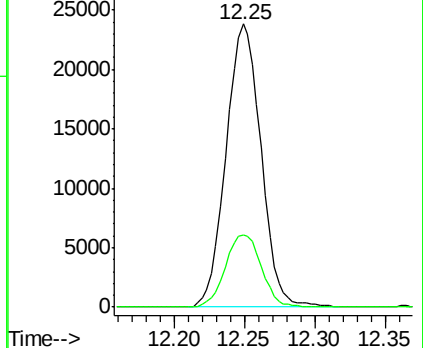
105 100

120 26.4 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: 2.333 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Tgt Ion: 43 Resp: 36617

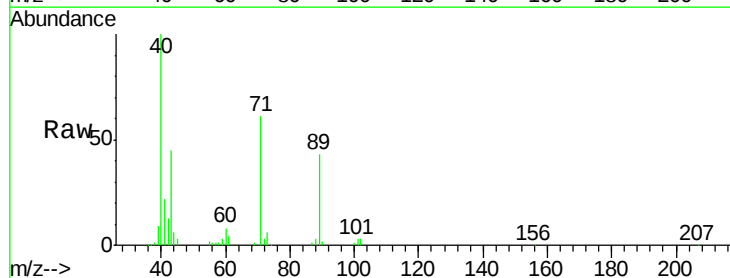
Ion Ratio Lower Upper

43 100

70 2.3 35.4 53.0#

55 5.2 19.8 29.6#

61 10.2 19.8 29.6#

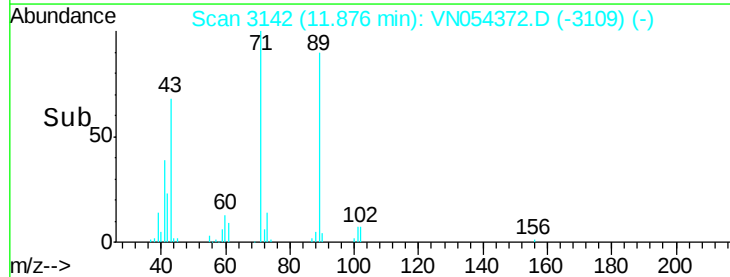
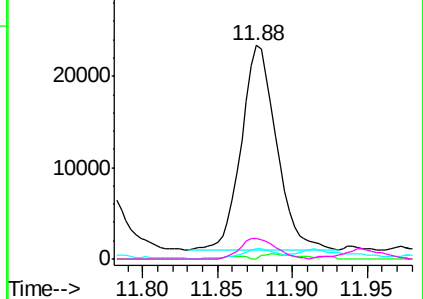


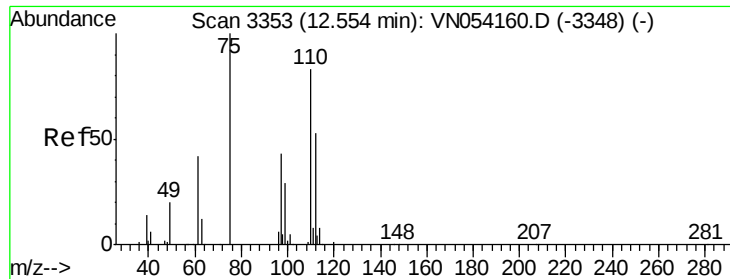
Abundance Ion 43.00 (42.70 to 43.70): V

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: 34.428 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

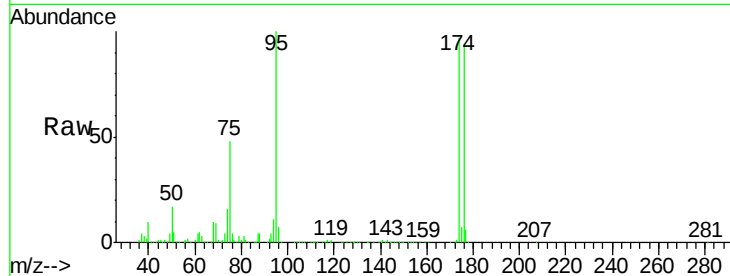
HR-05-031519-B

Tot Ion: 75 Resp: 447488

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

300000

250000

200000

150000

100000

50000

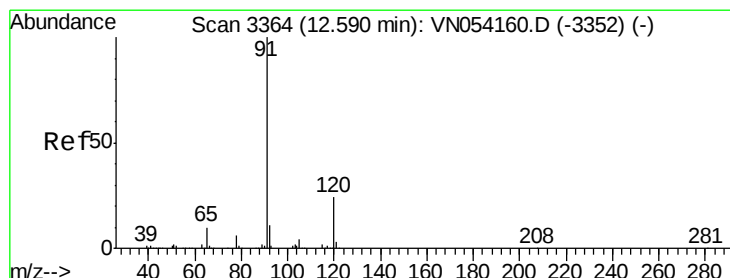
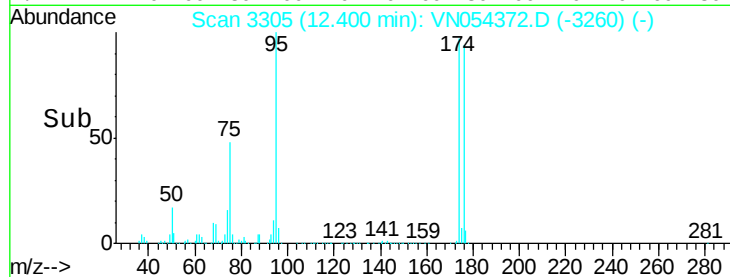
0

12.30

12.40

12.50

Time-->



#78

n-propylbenzene

Concen: 1.285 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054372.D

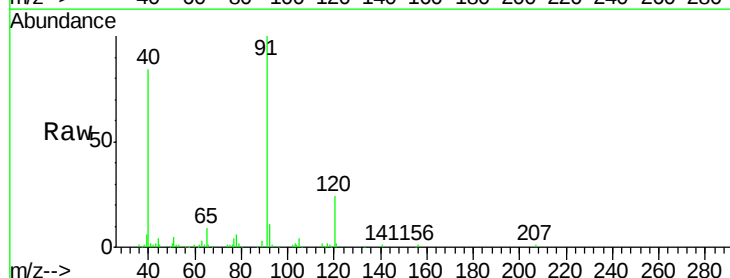
Acq: 17 Mar 2019 8:17

Tgt Ion: 91 Resp: 98638

Ion Ratio Lower Upper

91 100

120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

60000

40000

20000

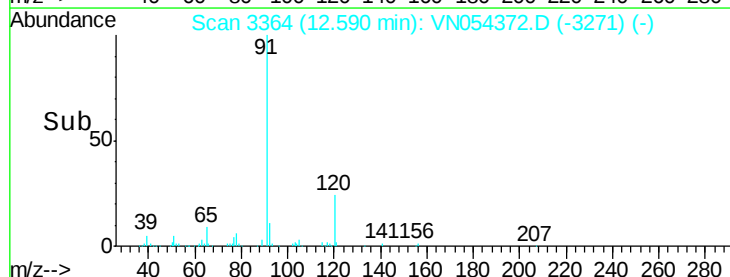
0

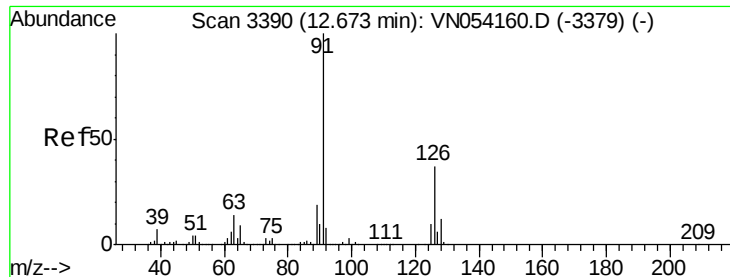
12.55

12.60

12.65

Time-->





#79

2-Chlorotoluene

Concen: 0.835 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

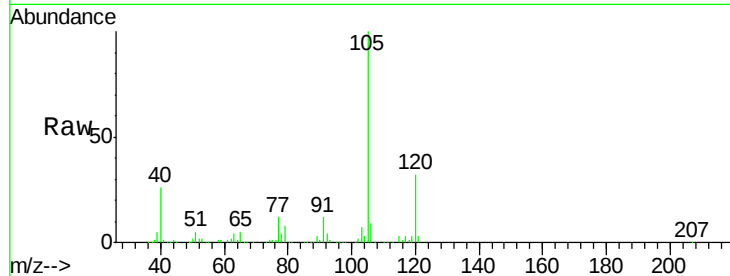
HR-05-031519-B

Tot Ion: 91 Resp: 38502

Ion Ratio Lower Upper

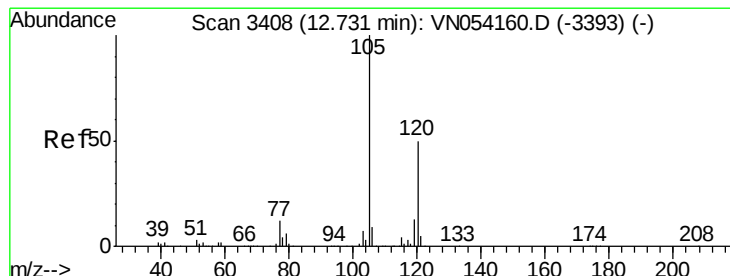
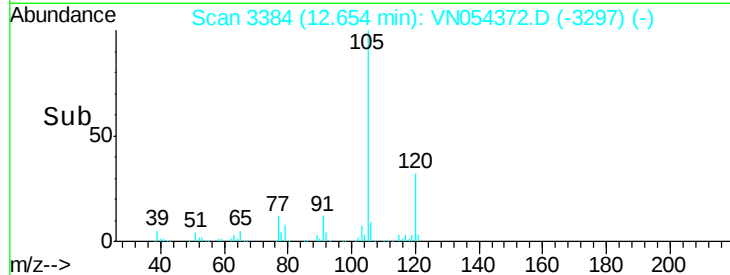
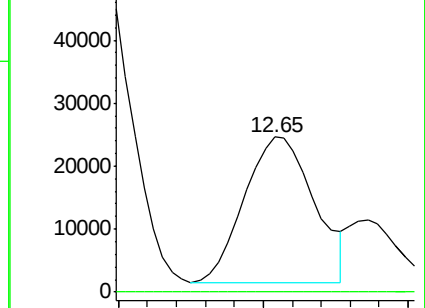
91 100

126 0.2 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054372.D (-3384) (-)

Ion 125.90 (125.60 to 126.60): VN054372.D (-3384) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.313 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054372.D

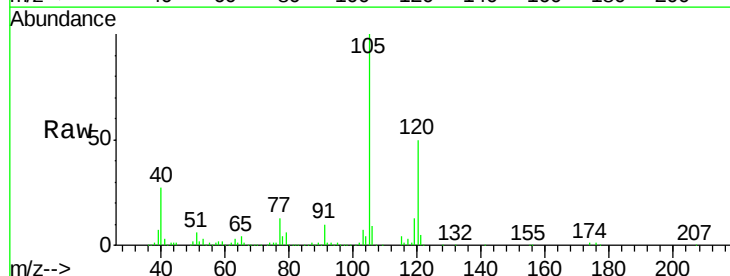
Acq: 17 Mar 2019 8:17

Tgt Ion: 105 Resp: 312534

Ion Ratio Lower Upper

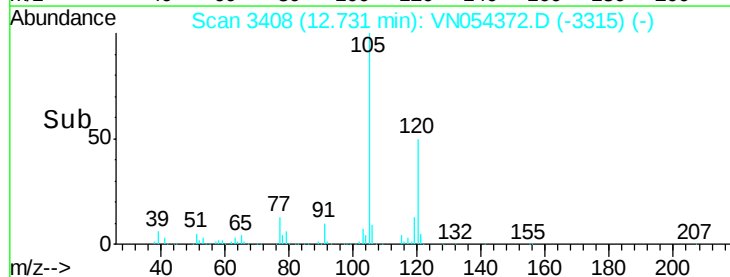
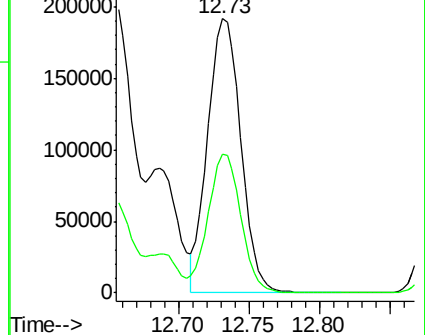
105 100

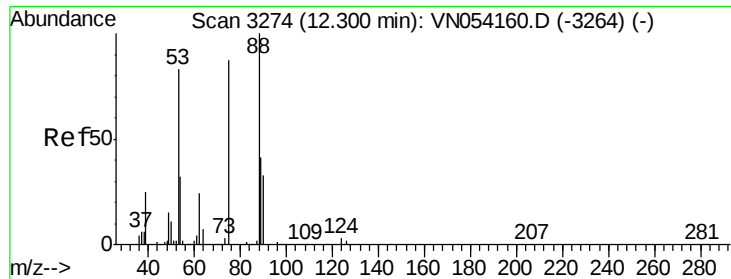
120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054372.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN054372.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 117.690 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

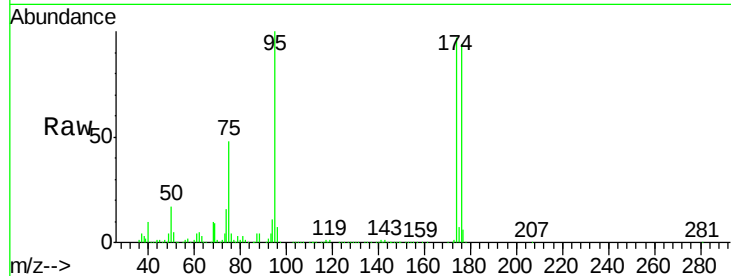
Tot Ion: 75 Resp: 447488

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

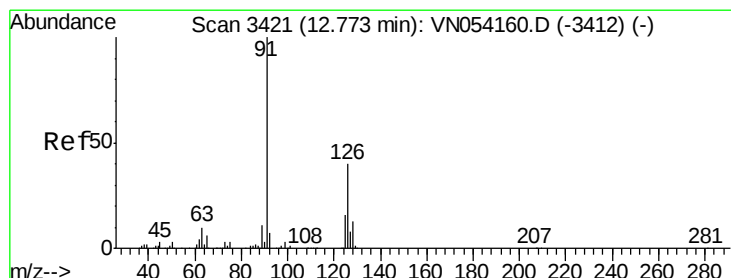
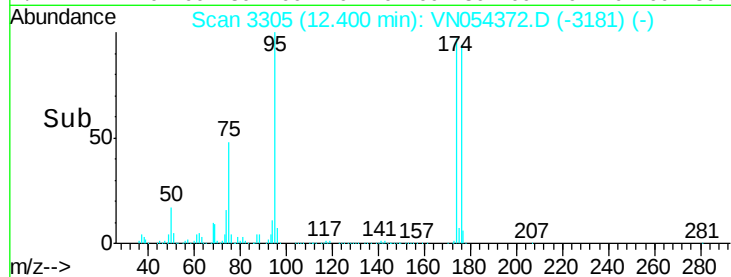
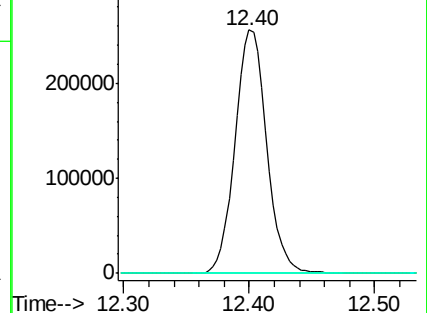
89 0.0 39.2 58.8#



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: 0.654 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN054372.D

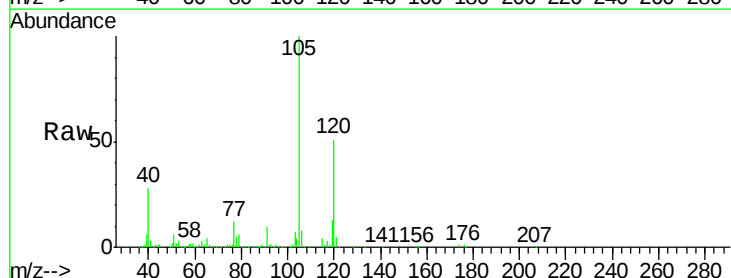
Acq: 17 Mar 2019 8:17

Tgt Ion: 91 Resp: 30149

Ion Ratio Lower Upper

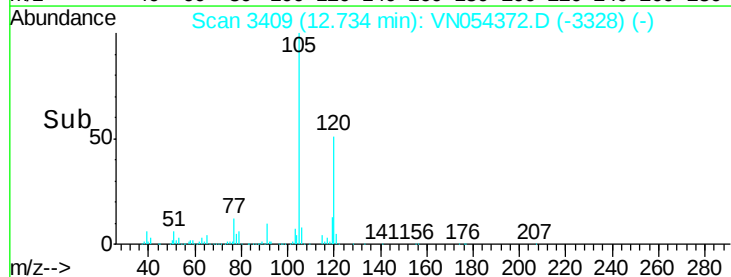
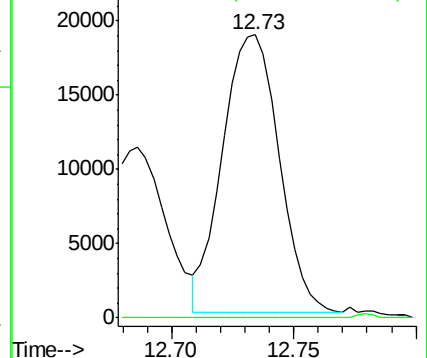
91 100

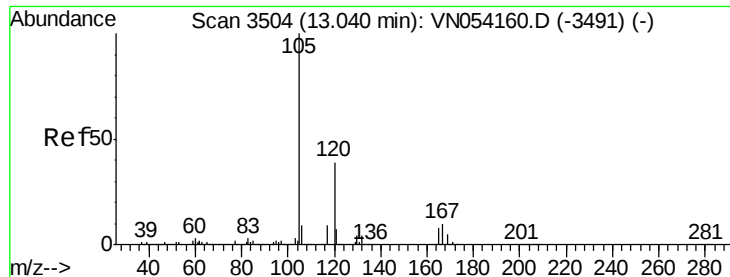
126 0.0 18.1 54.1#



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: 15.428 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

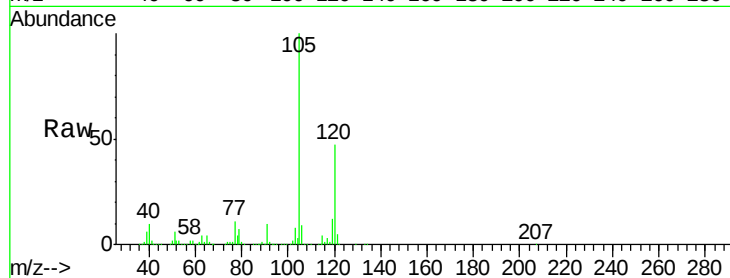
HR-05-031519-B

Tot Ion:105 Resp: 890280

Ion Ratio Lower Upper

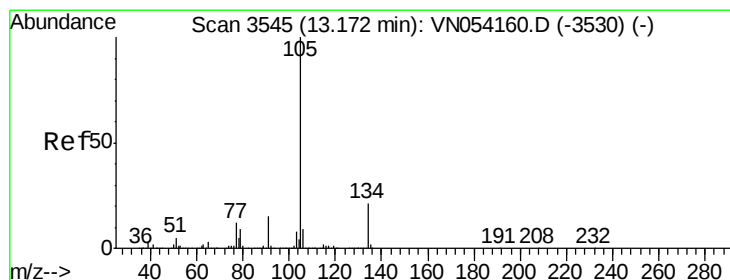
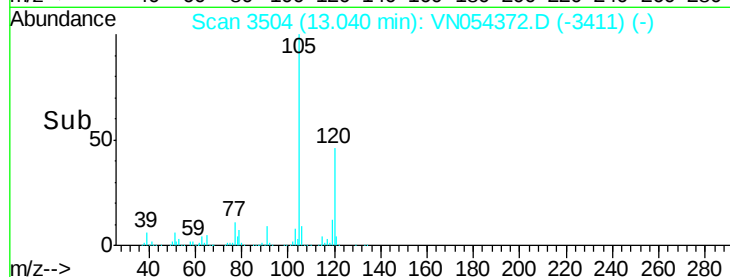
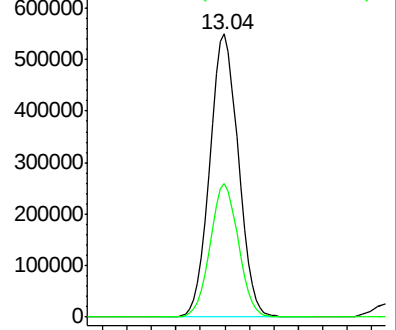
105 100

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



#85

sec-Butylbenzene

Concen: 0.577 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054372.D

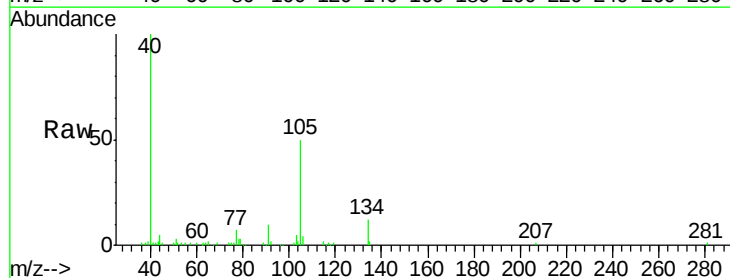
Acq: 17 Mar 2019 8:17

Tgt Ion:105 Resp: 40526

Ion Ratio Lower Upper

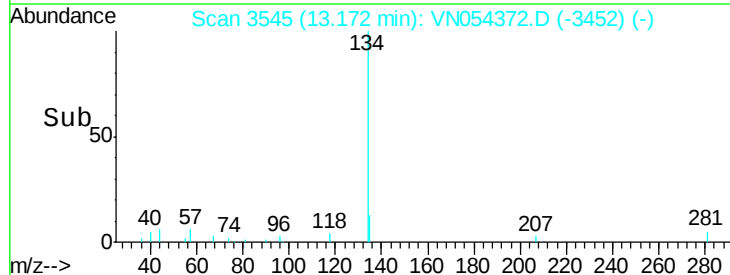
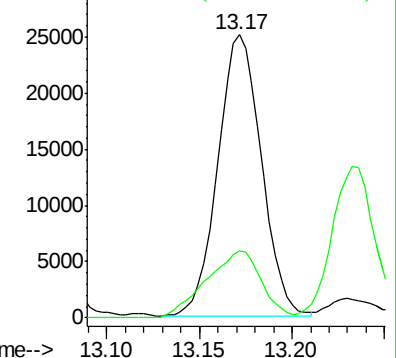
105 100

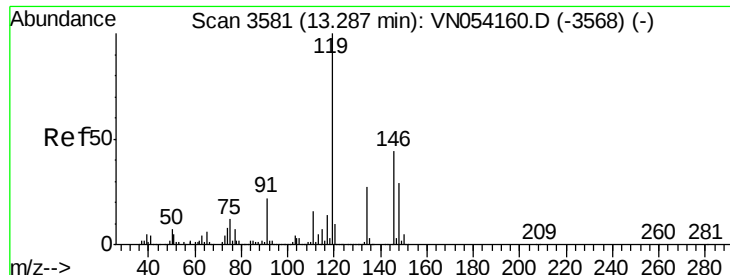
134 30.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

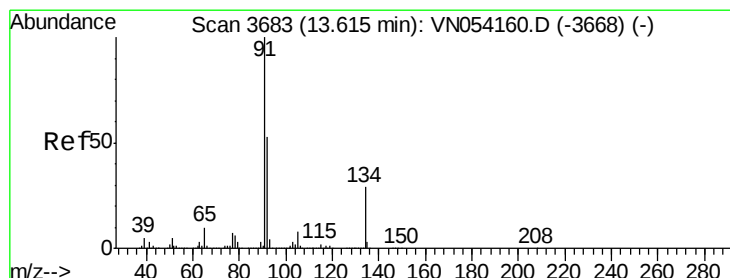
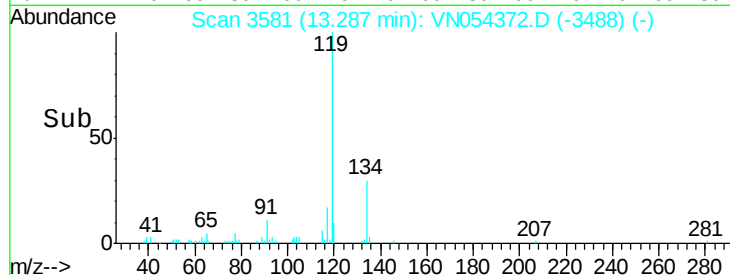
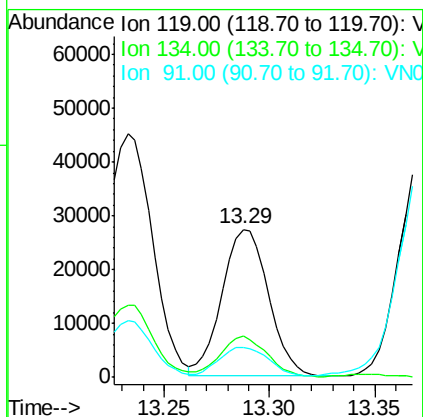
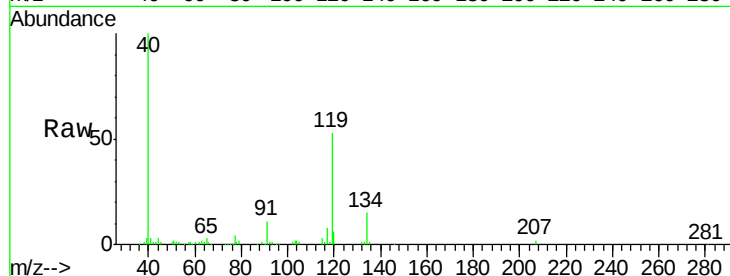




#86
p-Isopropyltoluene
Concen: 0.683 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

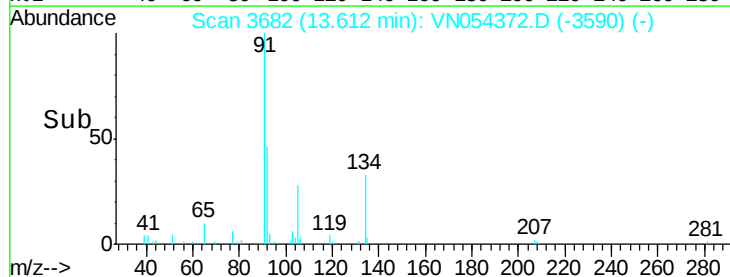
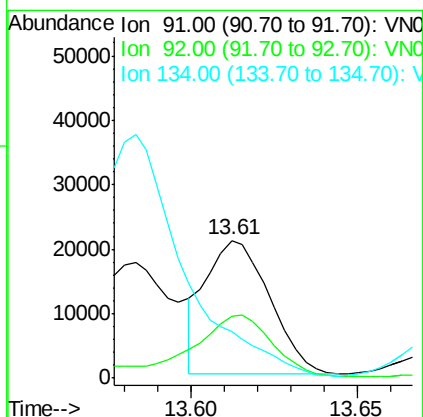
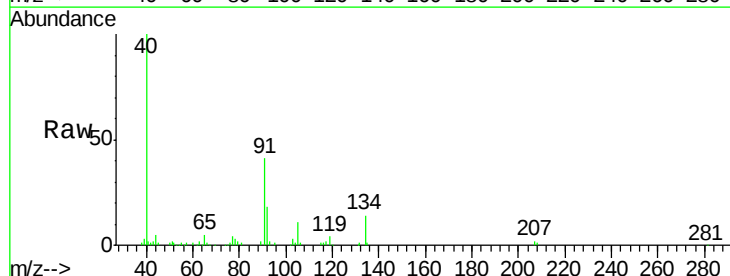
Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-B

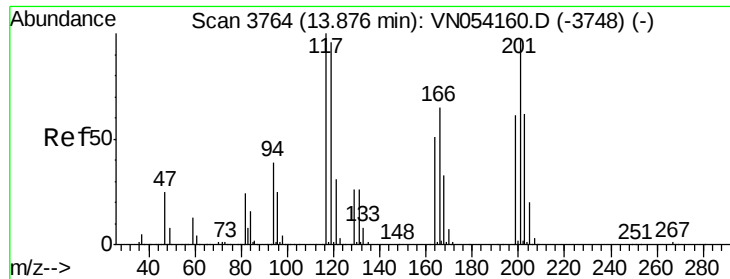
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.8
91	20.7	11.1	33.3



#89
n-Butylbenzene
Concen: 0.594 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.2	78.6
134	0.0	14.3	42.9#





#90

Hexachloroethane

Concen: 1.273 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

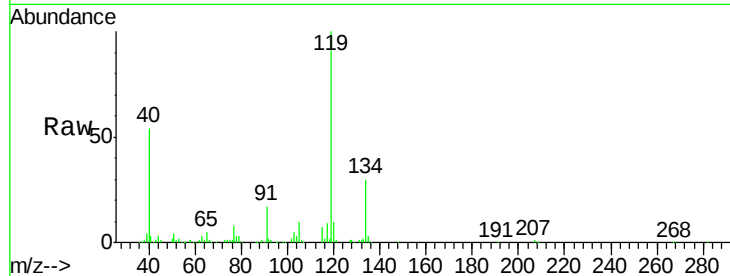
HR-05-031519-B

Tot Ion:117 Resp: 12982

Ion Ratio Lower Upper

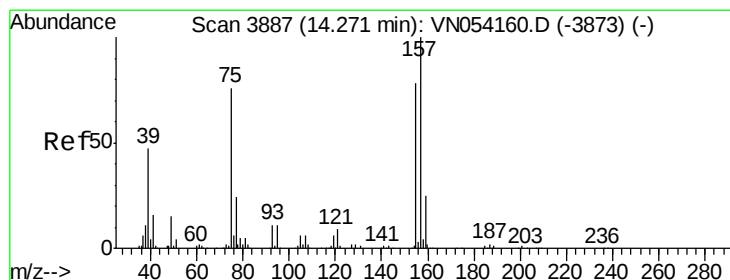
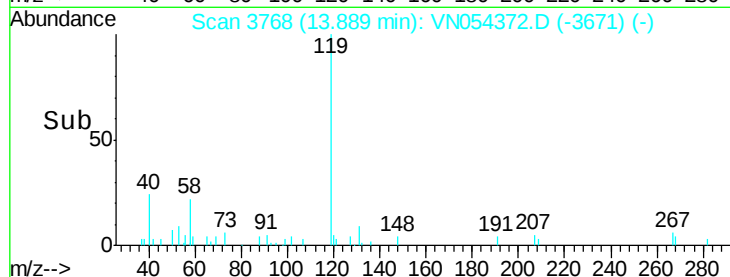
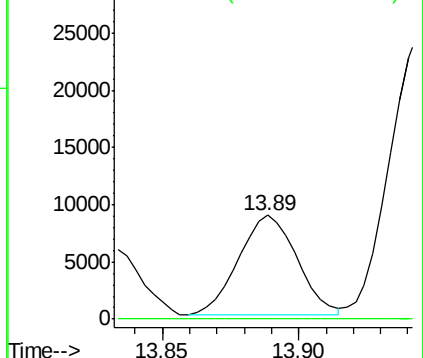
117 100

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: 0.591 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

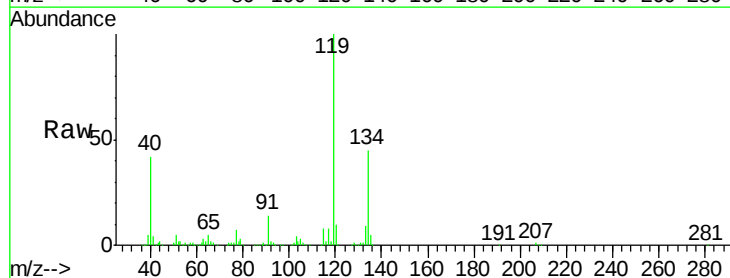
Tgt Ion: 75 Resp: 1378

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

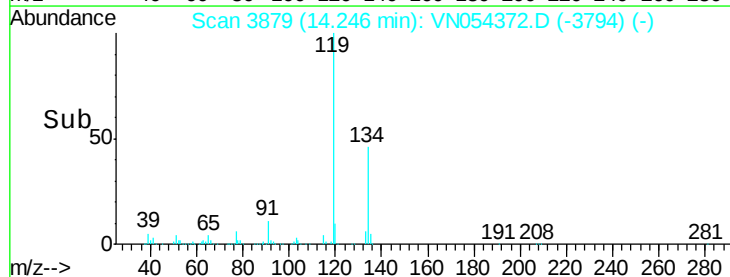
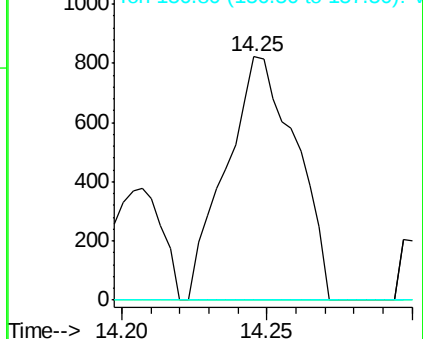
157 0.0 63.1 189.3#

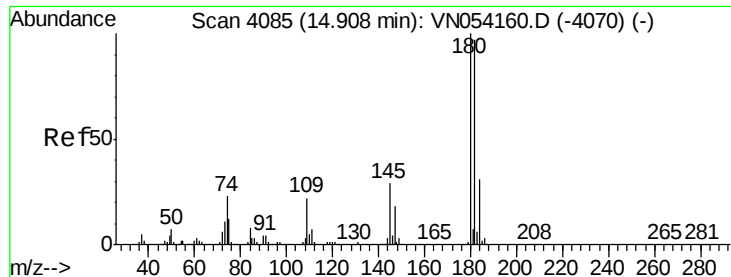


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

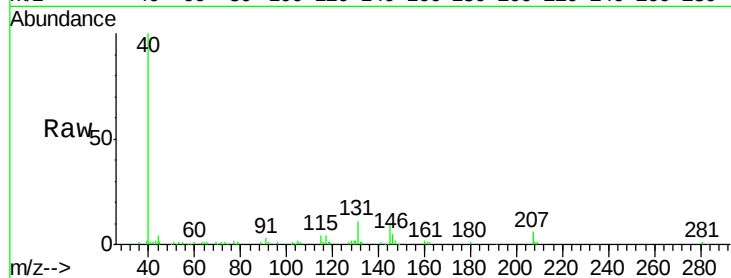




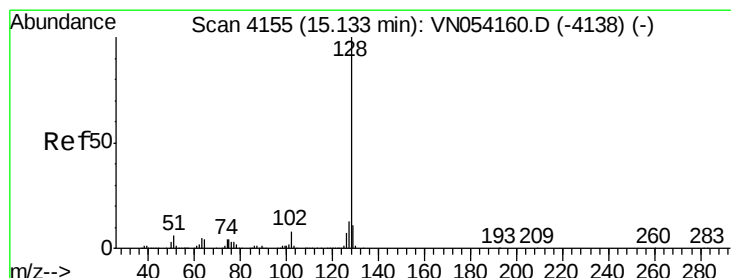
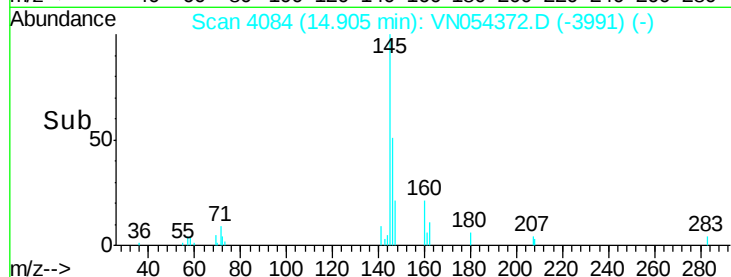
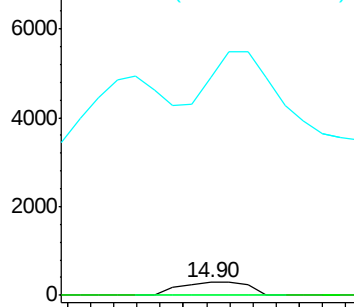
#93
 1,2,4-Trichlorobenzene
 Concen: 2.529 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054372.D
 Acq: 17 Mar 2019 8:17

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	956.2	14.2	42.8#

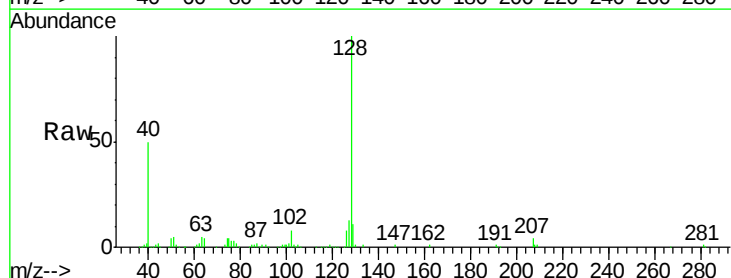


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 7.715 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054372.D
 Acq: 17 Mar 2019 8:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.2	8.7	13.1



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

