

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053347.D
 Acq On : 10 Jan 2019 17:42
 Operator : MD\SY
 Sample : K1005-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-010918-C

Quant Time: Jan 11 05:48:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1003474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1548406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1463367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	633819	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	503108	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	7.59	113	441590	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	1936541	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	677610	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	208	0.263	ug/l #	14
16) Acetone	3.82	43	30675	10.063	ug/l	97
18) Methyl Acetate	4.33	43	6876	0.728	ug/l #	82
20) Methylene Chloride	4.55	84	16280	1.452	ug/l	95
25) 2-Butanone	6.85	43	3667	0.856	ug/l	95
29) Tetrahydrofuran	7.21	42	1074	0.380	ug/l #	69
31) Cyclohexane	7.66	56	17182	0.773	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65787	4.551	ug/l #	48
38) Carbon Tetrachloride	7.66	117	84677	6.346	ug/l #	16
43) Isopropyl Acetate	8.17	43	51282	2.769	ug/l #	78
45) 1,2-Dichloropropane	9.27	63	2945	0.254	ug/l #	43
48) Methyl methacrylate	9.18	41	11736	1.395	ug/l #	12
49) 1,4-Dioxane	9.27	88	281	3.134	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	14392	1.545	ug/l #	34
52) Toluene	10.16	92	120292	4.441	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	98805	5.940	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	20588	1.236	ug/l #	42
59) 2-Hexanone	10.76	43	286897	44.953	ug/l #	50
67) Ethyl Benzene	11.51	91	122869	2.275	ug/l	100
68) m/p-Xylenes	11.62	106	209935	10.335	ug/l	99
69) o-Xylene	11.95	106	89180	4.485	ug/l	99
71) Bromoform	12.40	173	4369	0.556	ug/l #	1
73) Isopropylbenzene	12.25	105	15747	0.334	ug/l	97
74) N-amyl acetate	11.88	43	33607	2.385	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	316756	34.264	ug/l #	100
78) n-propylbenzene	12.59	91	82536	1.546	ug/l	100
79) 2-Chlorotoluene	12.65	91	32221	0.998	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	165536	4.355	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	316756	100.810	ug/l #	14
82) 4-Chlorotoluene	12.73	91	15684	0.474	ug/l #	40
83) tert-Butylbenzene	13.04	119	66235	1.986	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	533858	13.786	ug/l	100
85) sec-Butylbenzene	13.04	105	533858	12.138	ug/l #	56
89) n-Butylbenzene	13.61	91	12329	0.386	ug/l #	70

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Quant Title : SW846 8260
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Response via : Initial Calibration

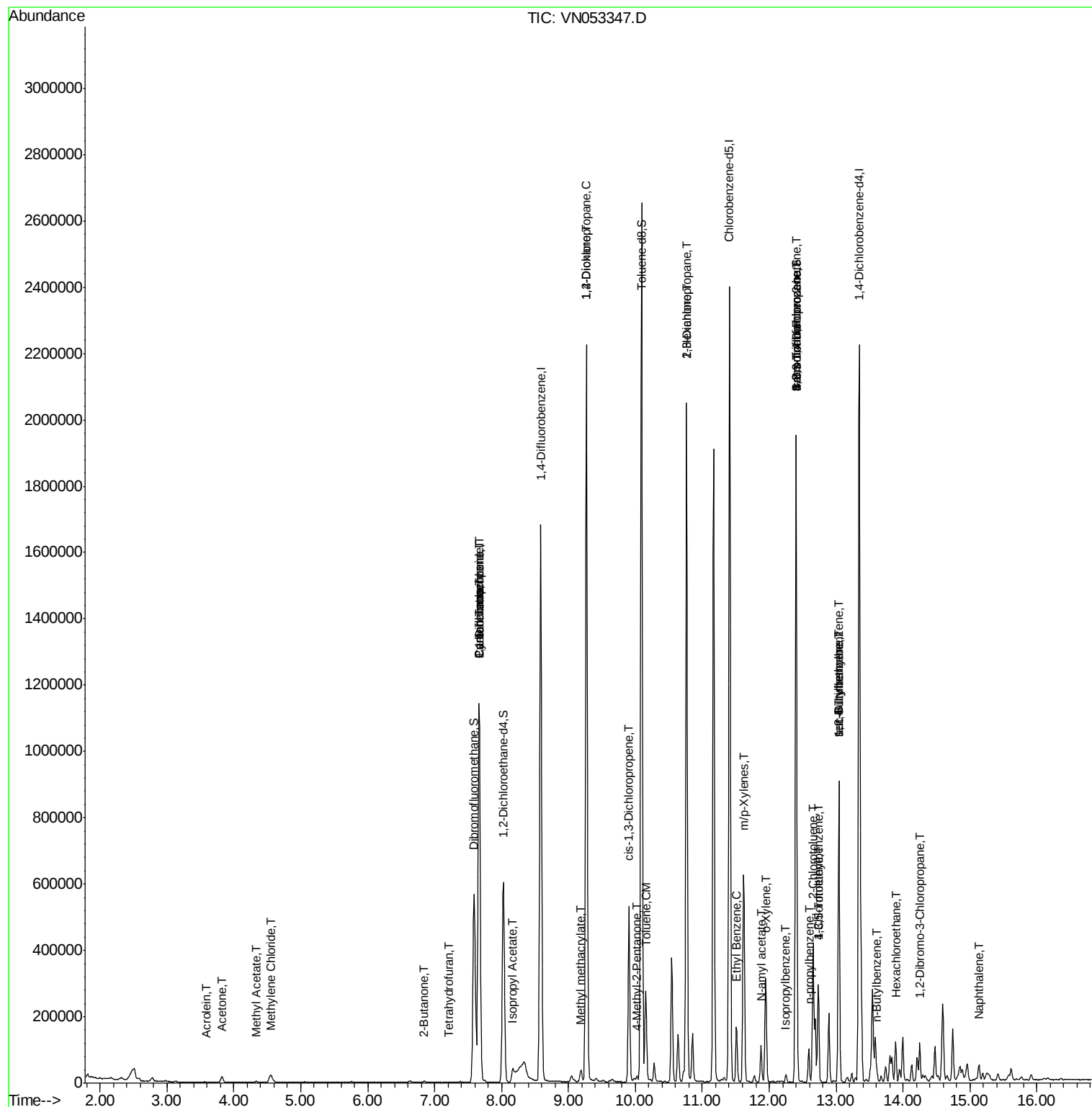
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	6384	1.046	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.25	75	471	0.358	ug/l #	1
95) Naphthalene	15.13	128	43442	3.898	ug/l	99

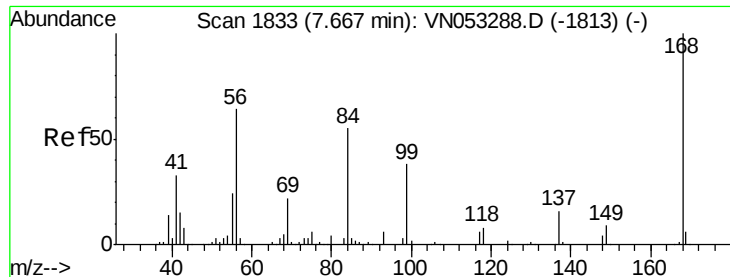
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
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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: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

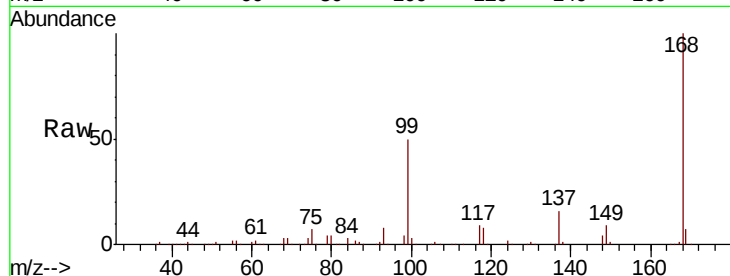
HR-06-010918-C

Tgt Ion:168 Resp: 1003474

Ion Ratio Lower Upper

168 100

99 49.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053347.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053347.D (-1740) (-)

7.66

400000

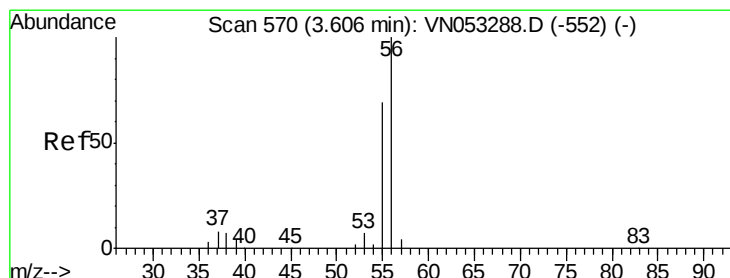
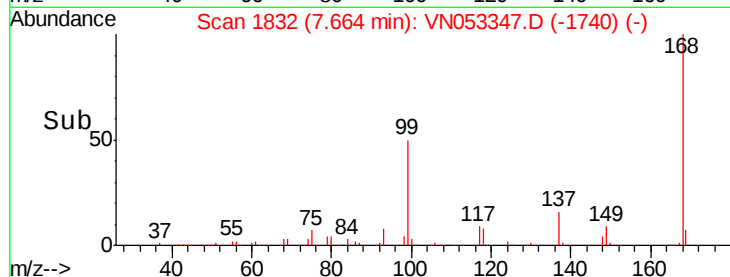
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.263 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN053347.D

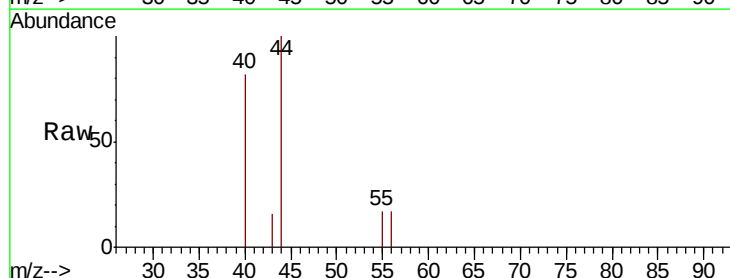
Acq: 10 Jan 2019 17:42

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN053347.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053347.D (-477) (-)

3.60

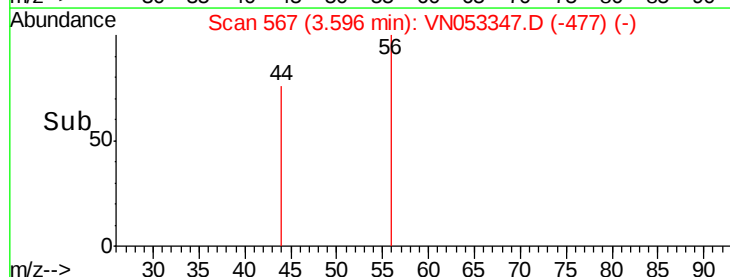
600

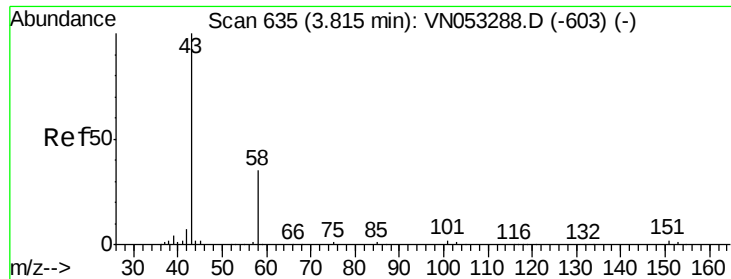
400

200

0

Time-->





#16

Acetone

Concen: 10.063 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

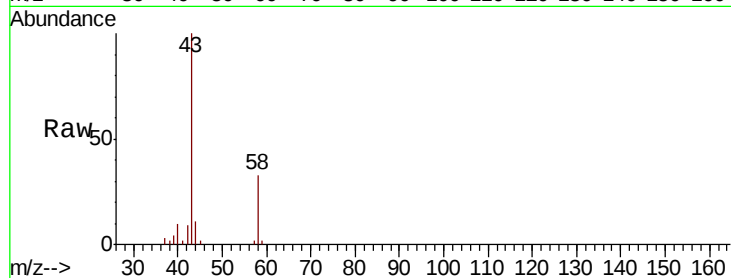
HR-06-010918-C

Tgt Ion: 43 Resp: 30675

Ion Ratio Lower Upper

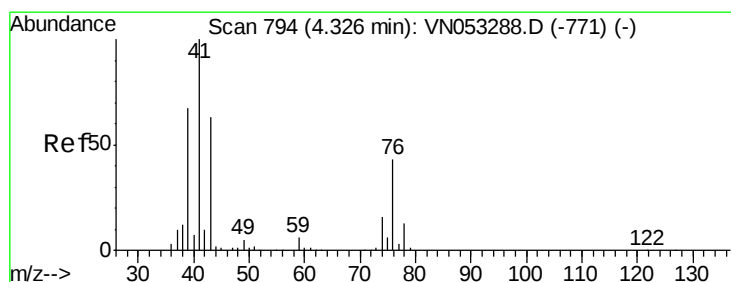
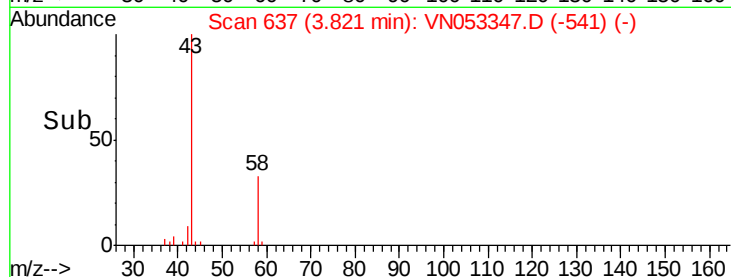
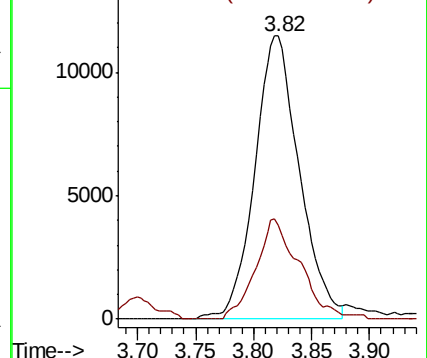
43 100

58 33.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.728 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053347.D

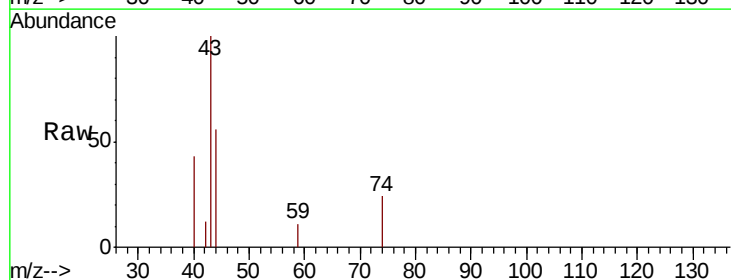
Acq: 10 Jan 2019 17:42

Tgt Ion: 43 Resp: 6876

Ion Ratio Lower Upper

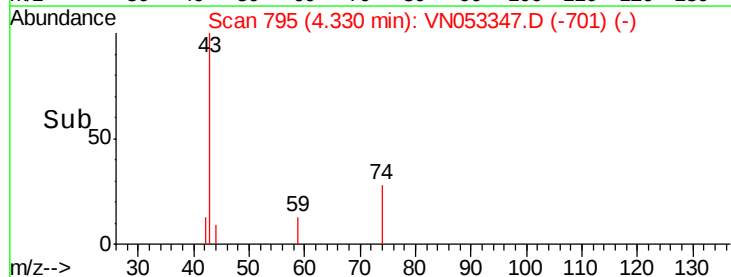
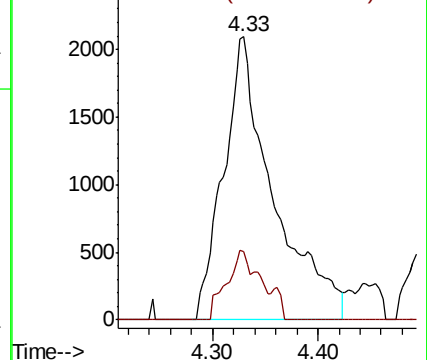
43 100

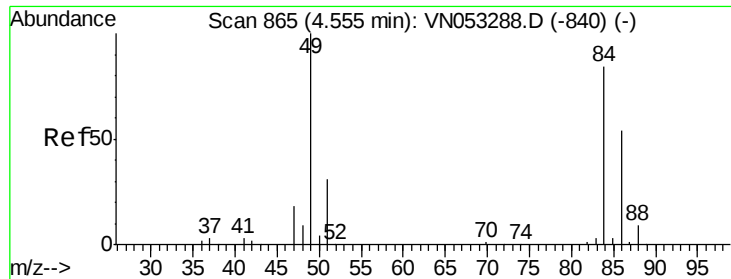
74 15.7 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

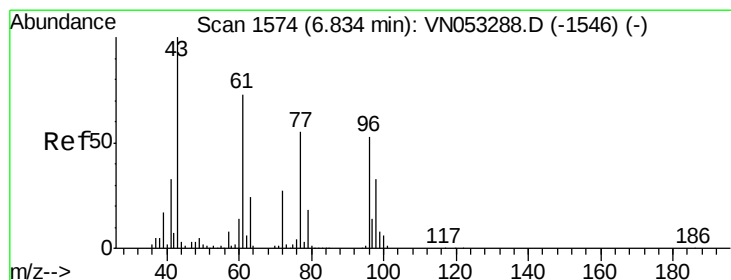
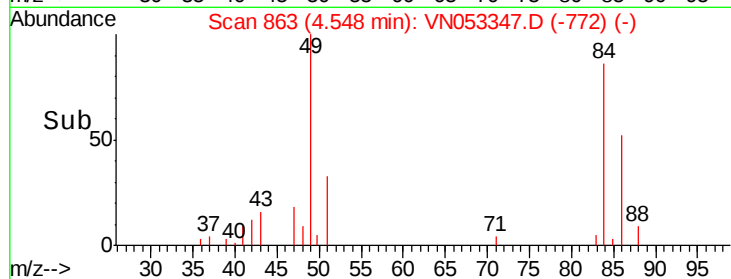
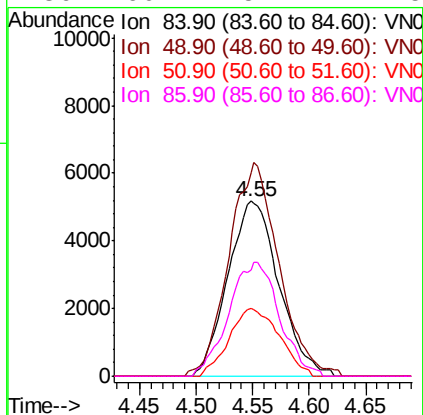
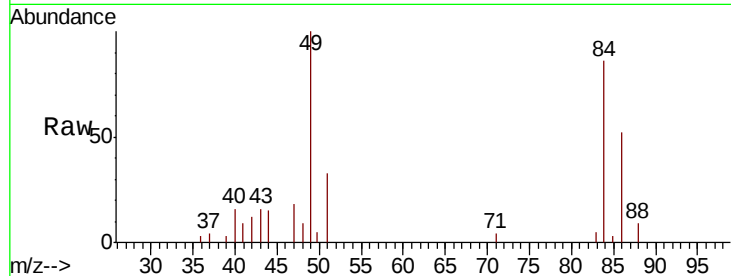




#20
Methylene Chloride
Concen: 1.452 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

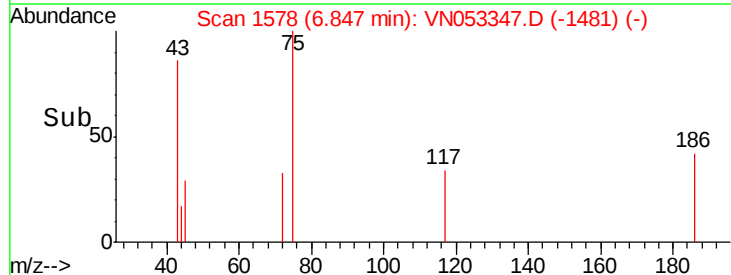
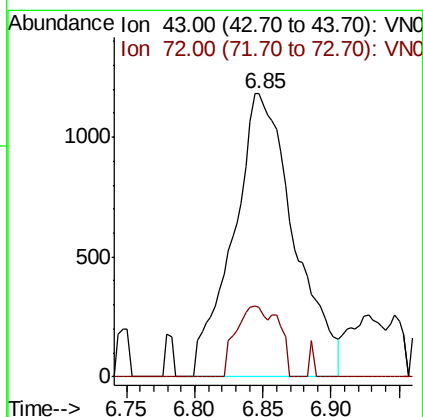
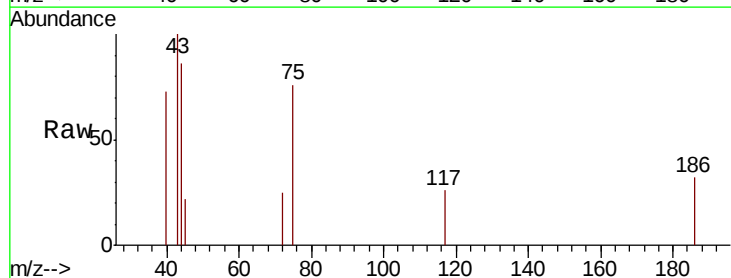
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HR-06-010918-C

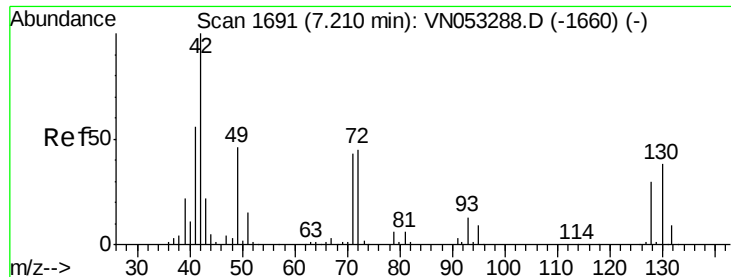
Tgt Ion: 84 Resp: 16280
Ion Ratio Lower Upper
84 100
49 113.3 95.3 142.9
51 38.9 29.0 43.6
86 60.7 51.7 77.5



#25
2-Butanone
Concen: 0.856 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

Tgt Ion: 43 Resp: 3667
Ion Ratio Lower Upper
43 100
72 24.8 22.0 33.0





#29

Tetrahydrofuran

Concen: 0.380 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

HR-06-010918-C

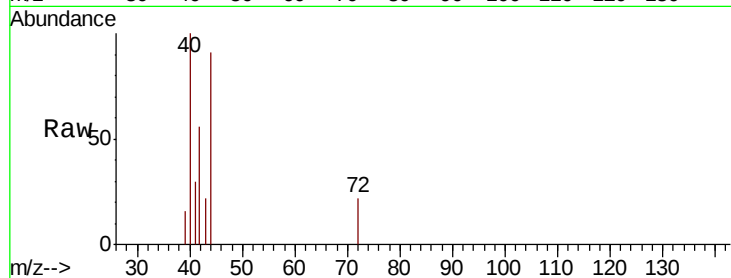
Tgt Ion: 42 Resp: 1074

Ion Ratio Lower Upper

42 100

72 41.1 35.6 53.4

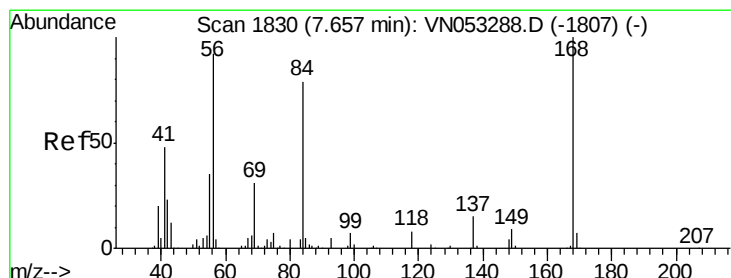
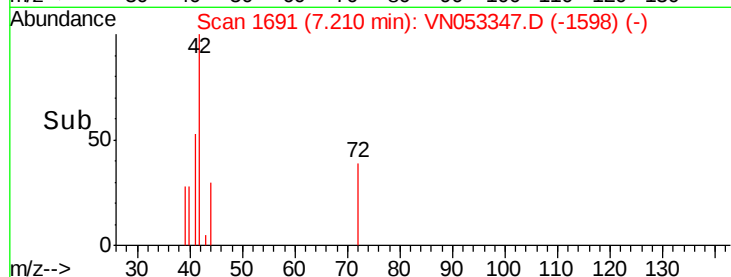
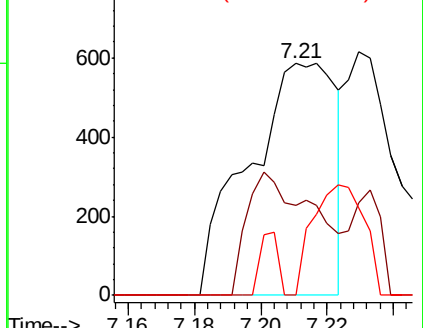
71 5.6 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.773 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

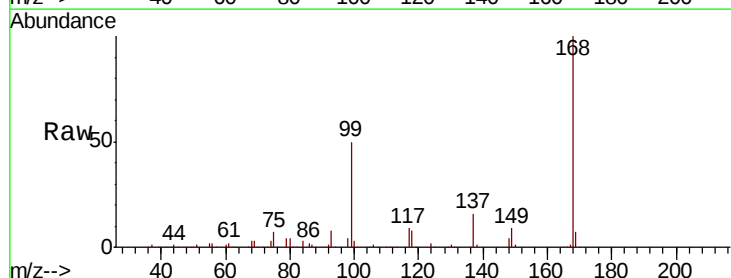
Tgt Ion: 56 Resp: 17182

Ion Ratio Lower Upper

56 100

69 192.7 26.7 40.1#

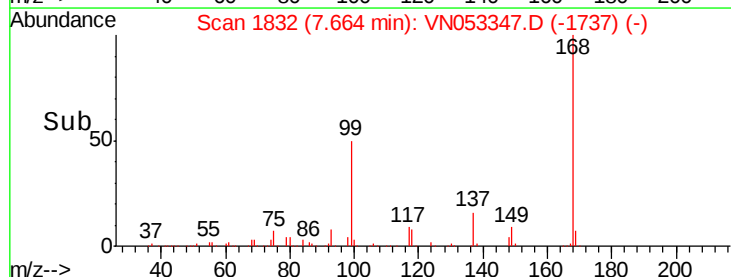
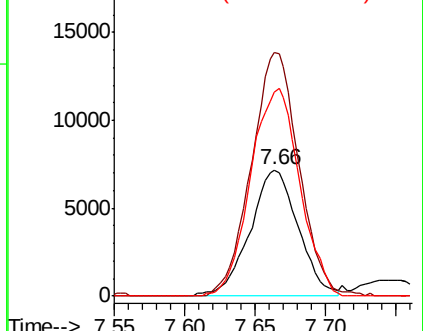
84 161.8 68.2 102.4#

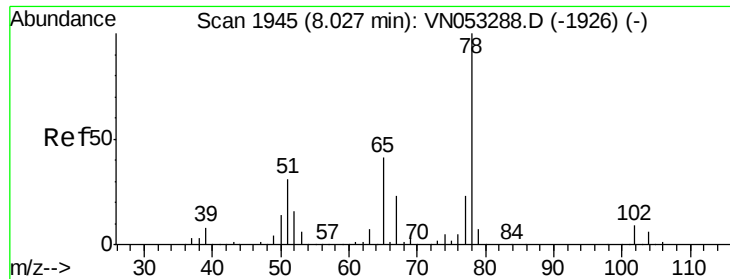


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

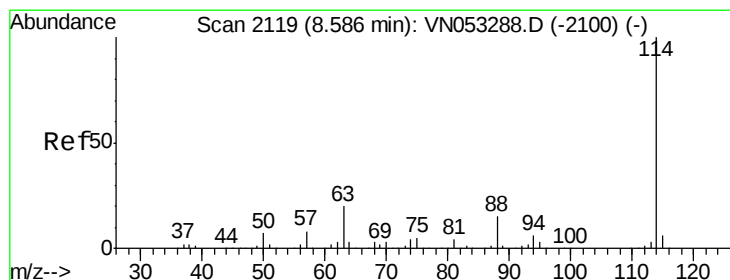
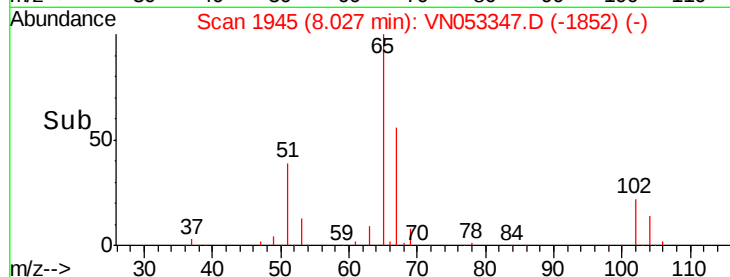
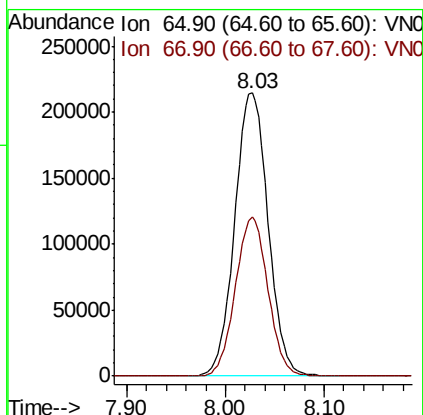
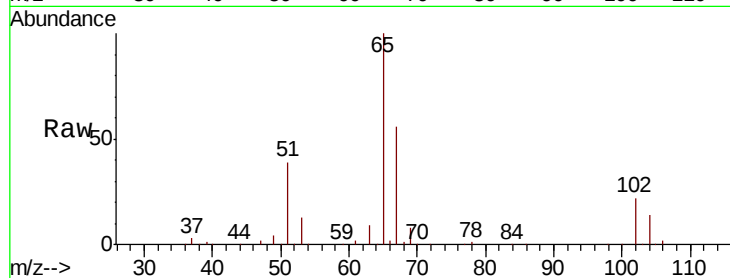




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

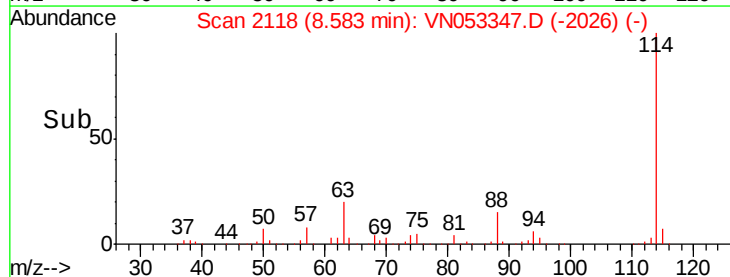
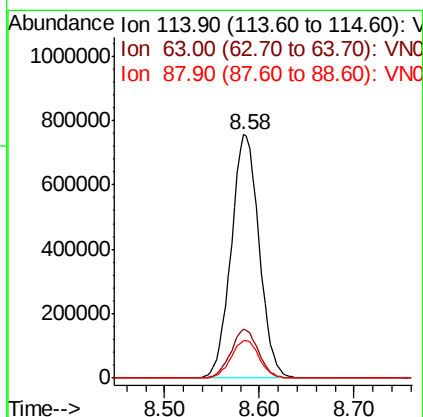
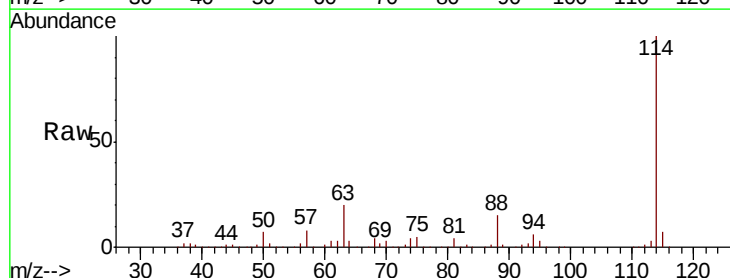
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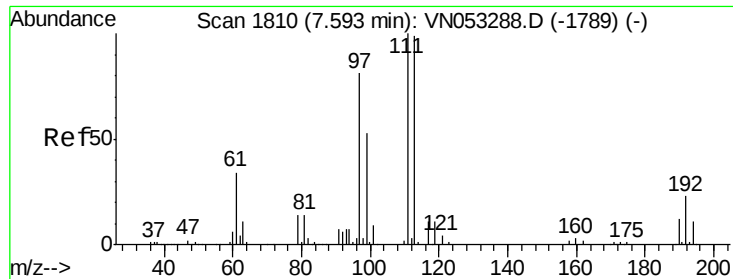
Tgt Ion: 65 Resp: 503108
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

Tgt Ion: 114 Resp: 1548406
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.4 0.0 30.8

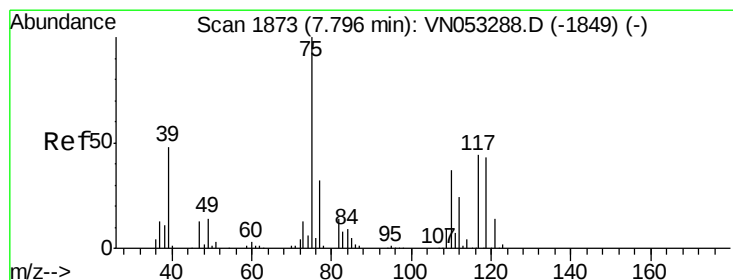
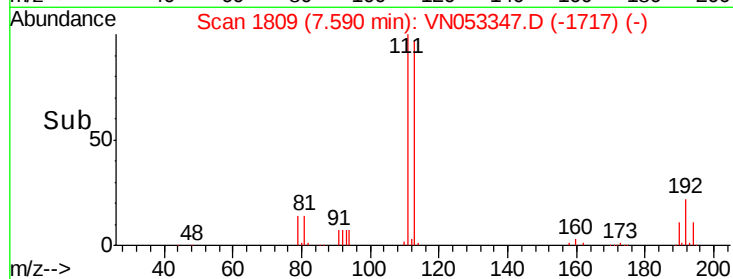
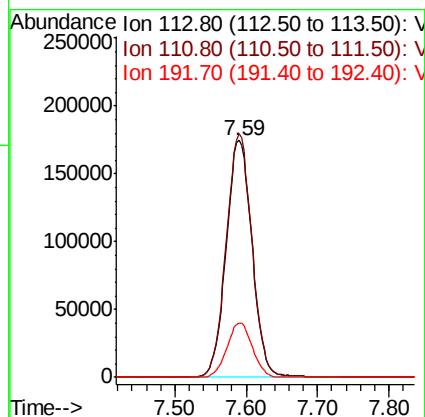
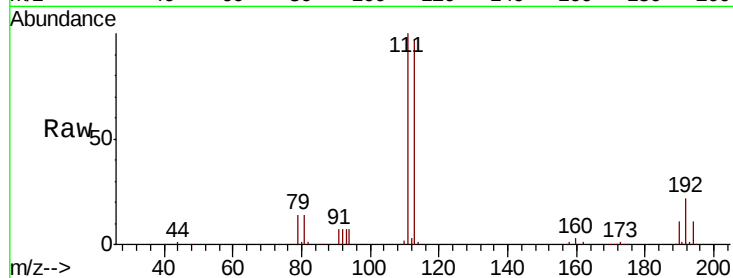




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

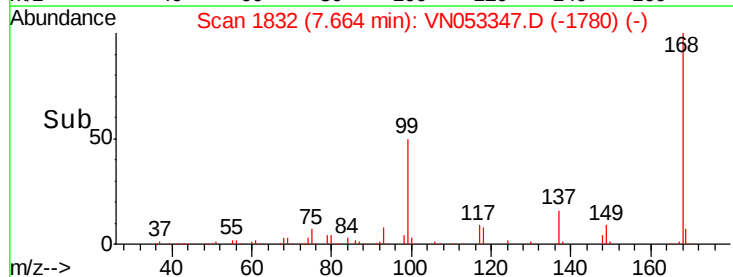
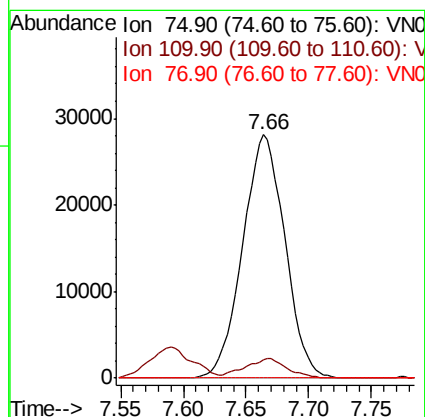
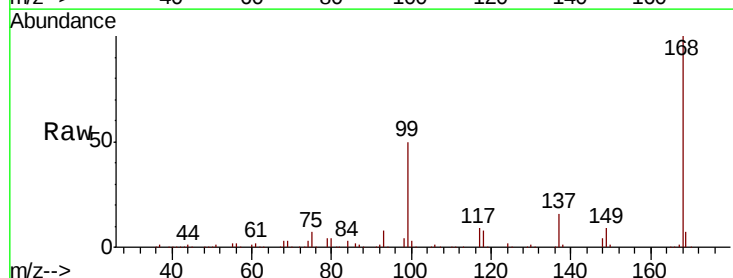
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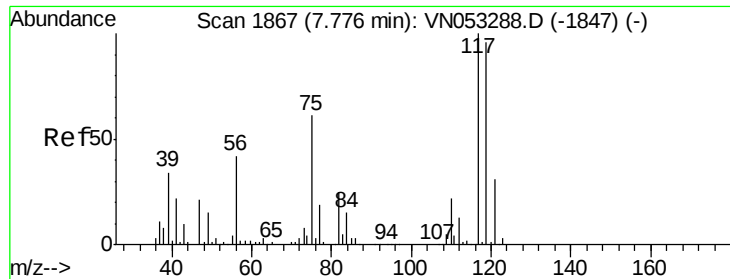
Tgt Ion: 113 Resp: 441590
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.2
192 22.6 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

Tgt Ion: 75 Resp: 65787
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.346 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

HR-06-010918-C

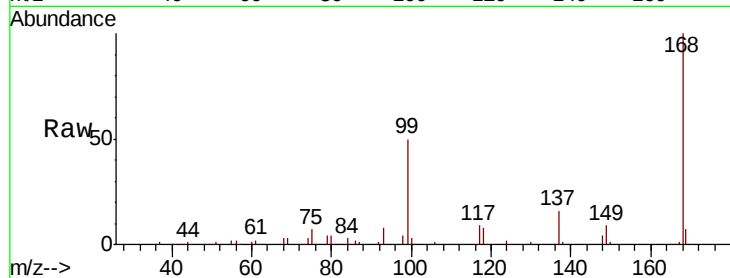
Tgt Ion:117 Resp: 84677

Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

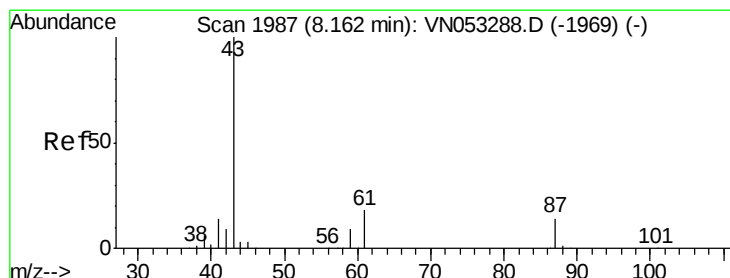
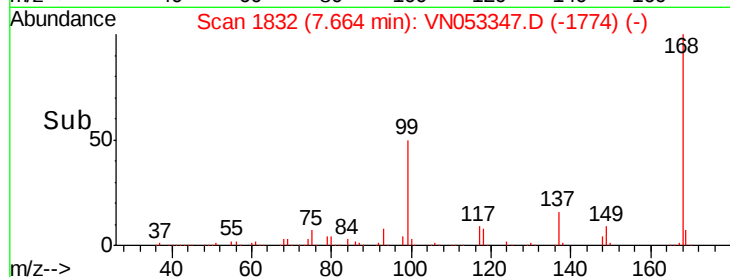
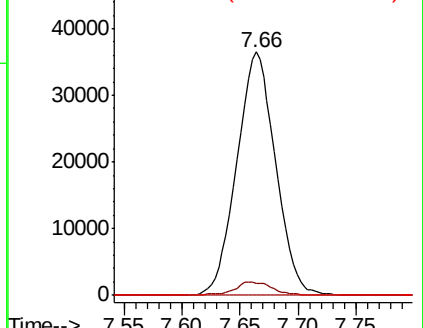
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.769 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

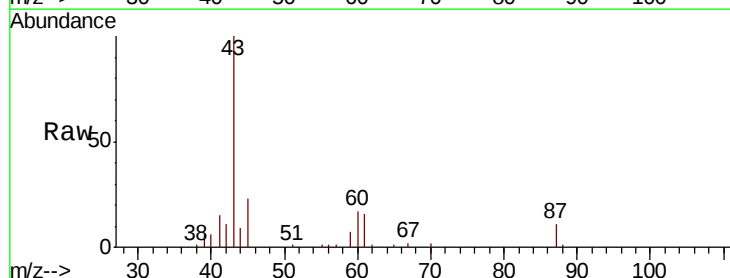
Tgt Ion: 43 Resp: 51282

Ion Ratio Lower Upper

43 100

61 14.9 23.3 34.9#

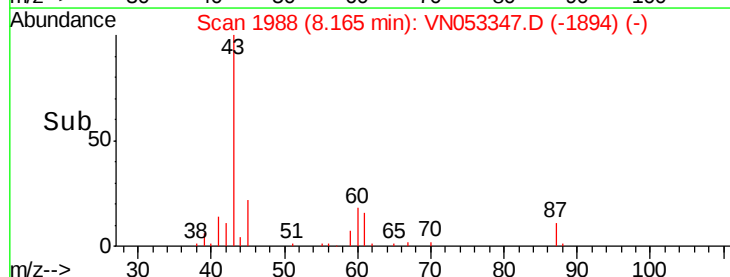
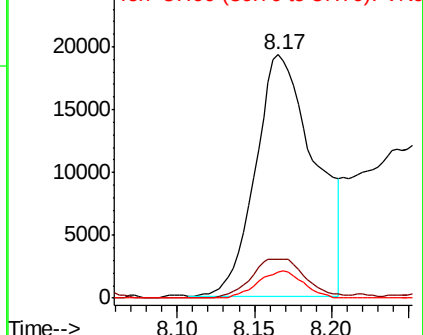
87 8.5 10.8 16.2#

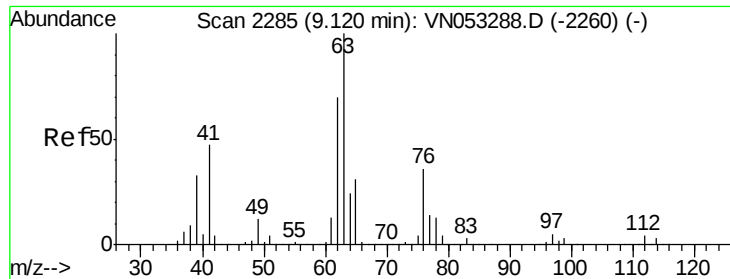


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

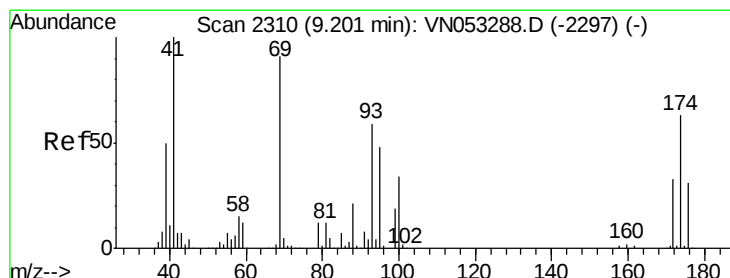
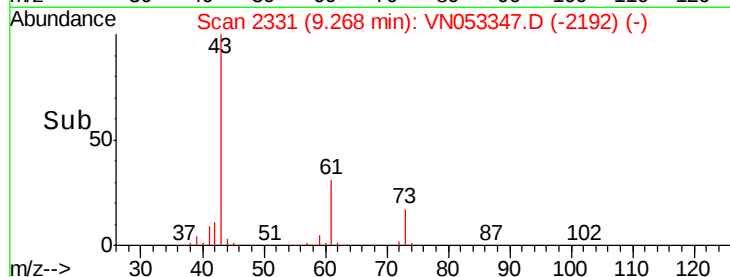
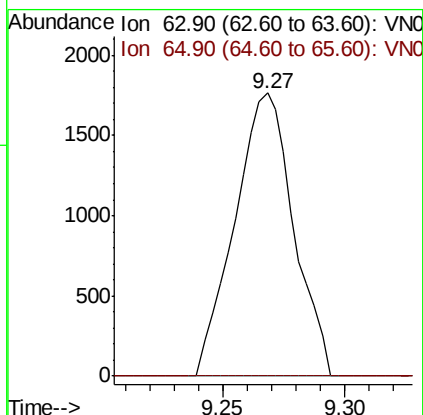
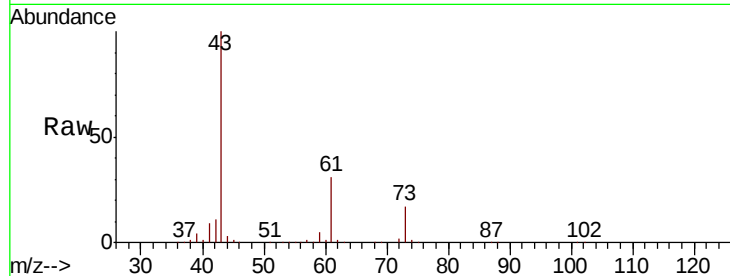




#45
 1,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

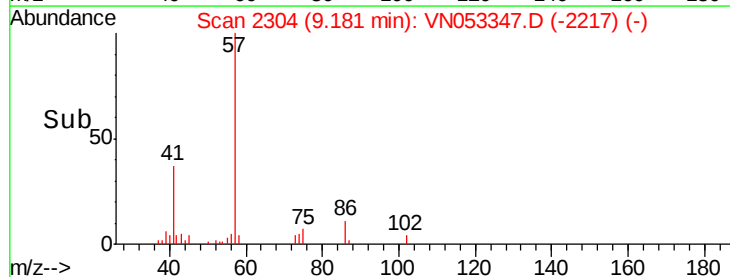
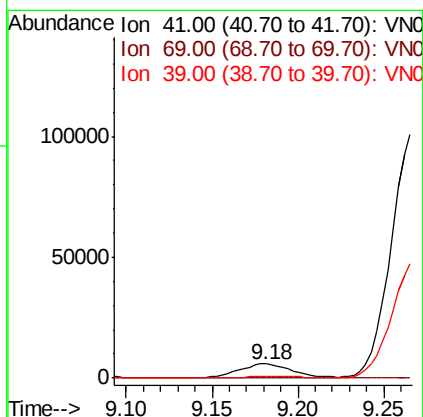
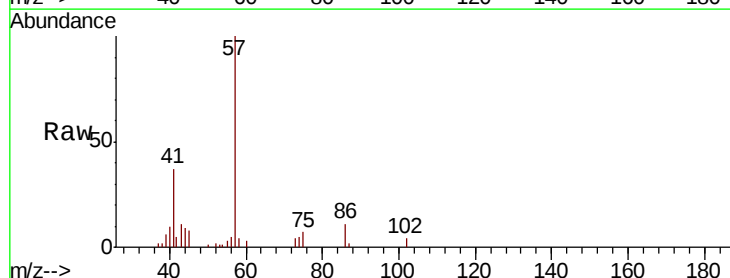
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-010918-C

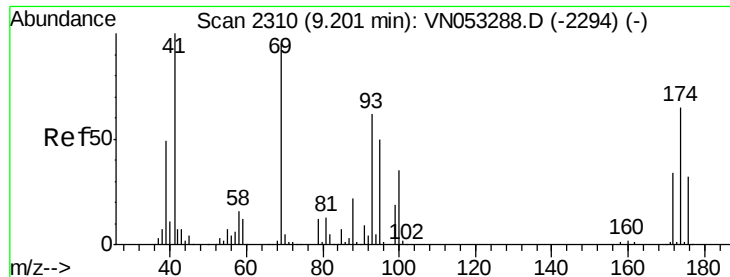
Tgt Ion: 63 Resp: 2945
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.395 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

Tgt Ion: 41 Resp: 11736
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.5 110.3#
 39 0.0 41.6 62.4#





#49

1,4-Dioxane

Concen: 3.134 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

HR-06-010918-C

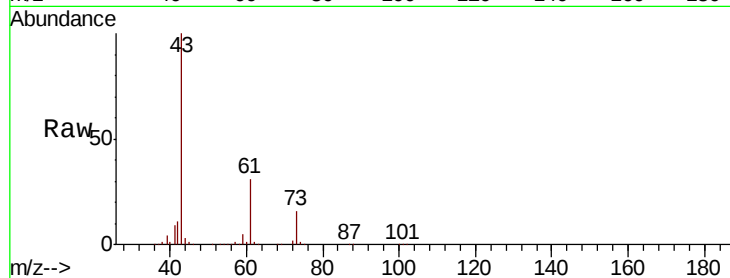
Tgt Ion: 88 Resp: 281

Ion Ratio Lower Upper

88 100

43 768136.3 26.2 39.4#

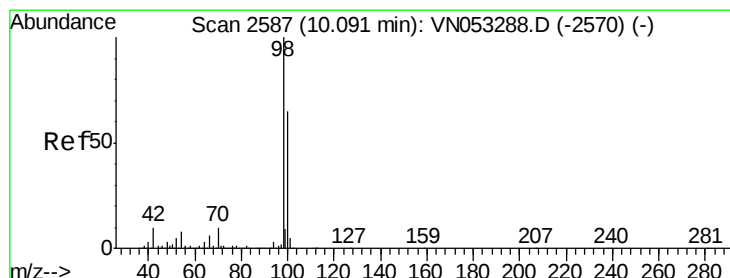
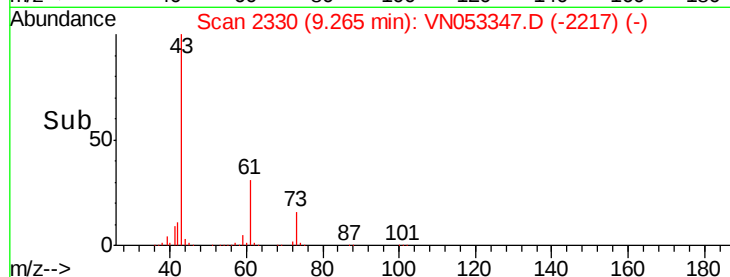
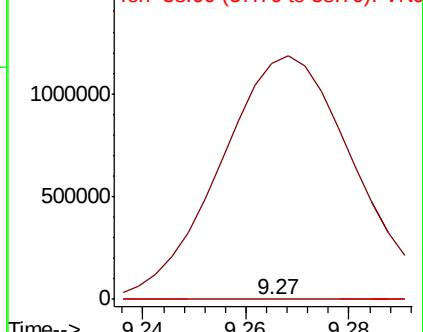
58 3209.3 55.5 83.3#



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: 3.134 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053347.D

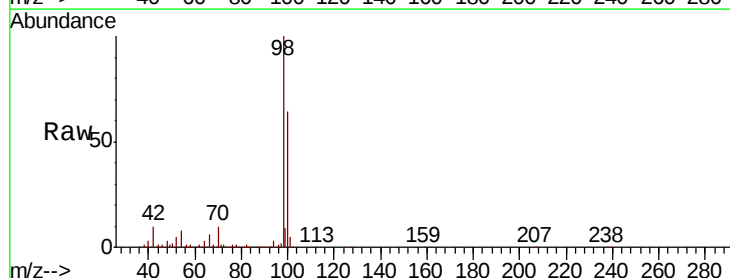
Acq: 10 Jan 2019 17:42

Tgt Ion: 98 Resp: 1936541

Ion Ratio Lower Upper

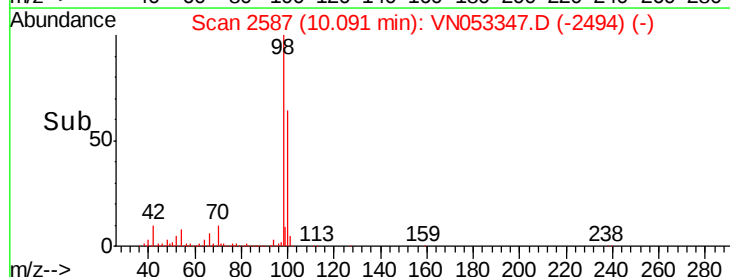
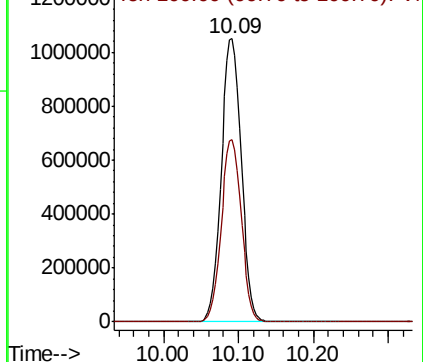
98 100

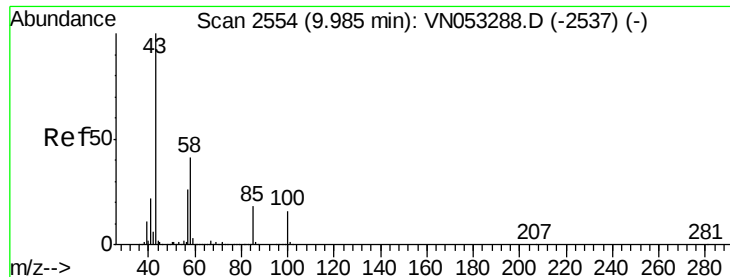
100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

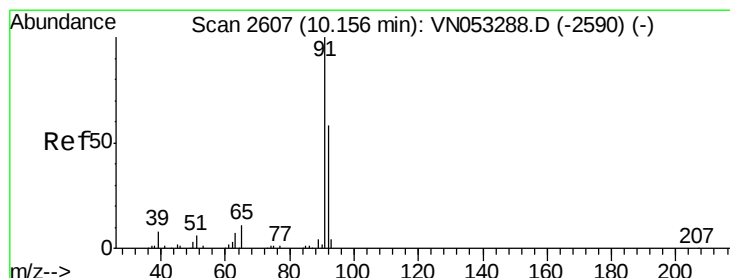
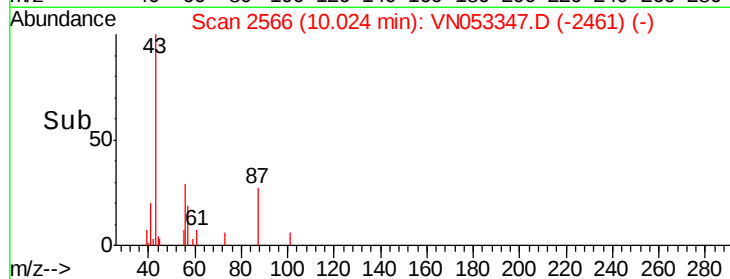
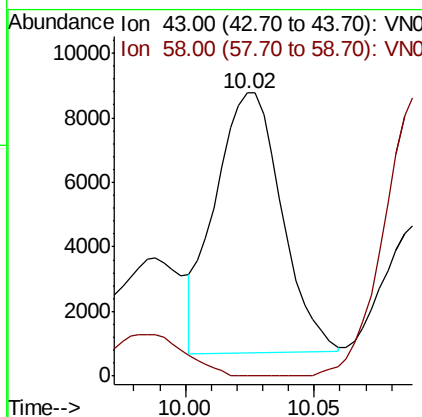
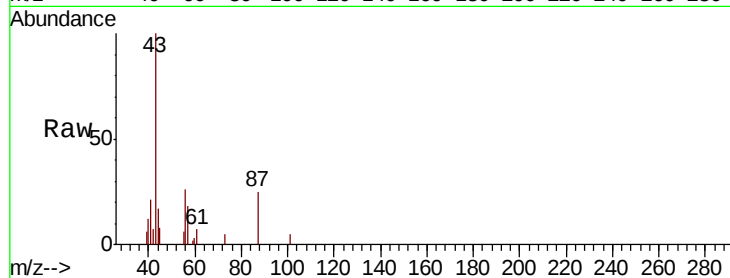




#51
 4-Methyl-2-Pentanone
 Concen: 1.545 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

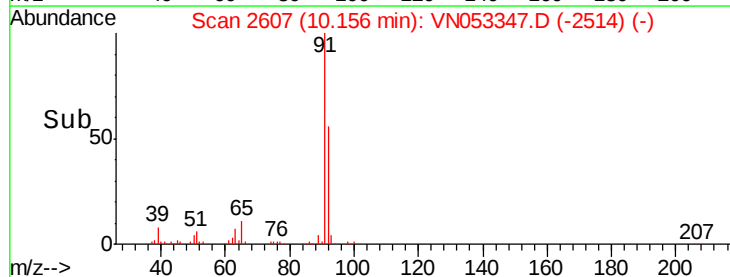
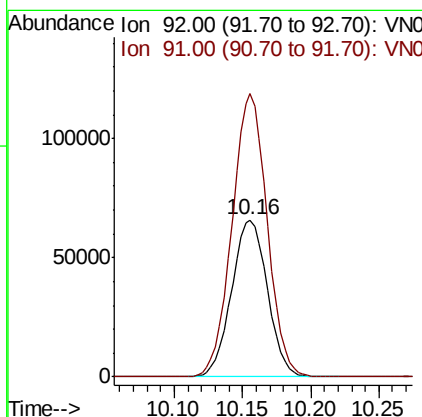
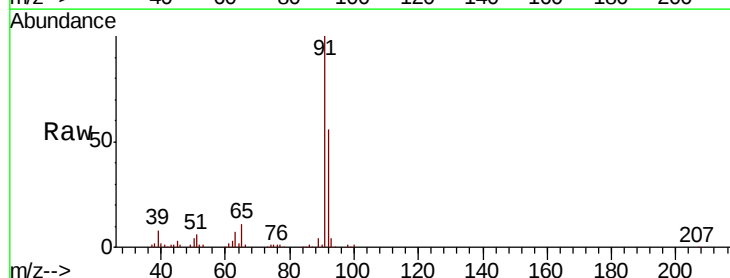
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-010918-C

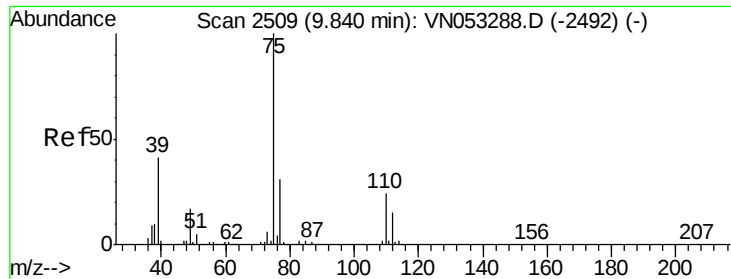
Tgt Ion: 43 Resp: 14392
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.7 49.1#



#52
 Toluene
 Concen: 4.441 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

Tgt Ion: 92 Resp: 120292
 Ion Ratio Lower Upper
 92 100
 91 176.4 138.6 208.0





#54

cis-1,3-Dichloropropene

Concen: 5.940 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

HR-06-010918-C

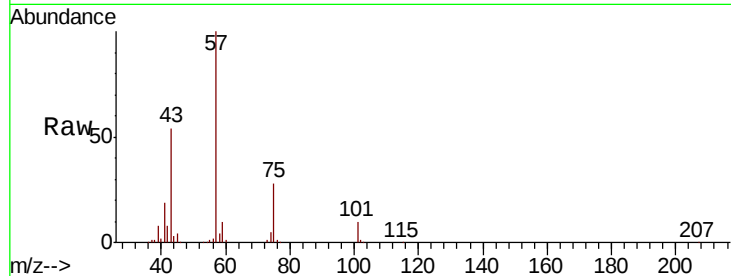
Tgt Ion: 75 Resp: 98805

Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

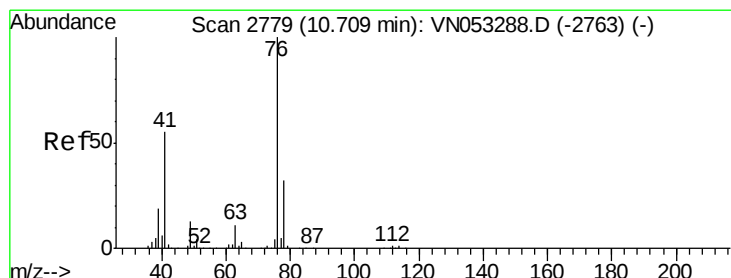
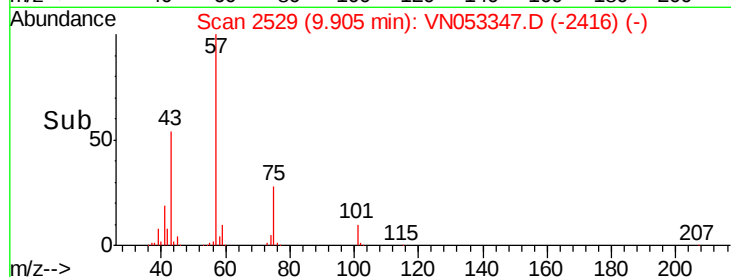
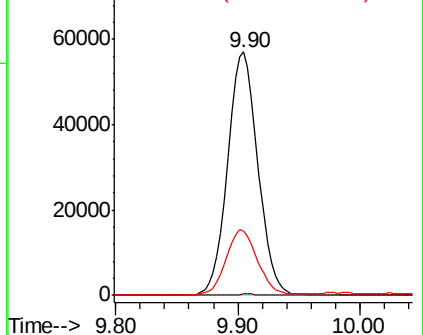
39 26.6 33.1 49.7#



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: 1.236 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053347.D

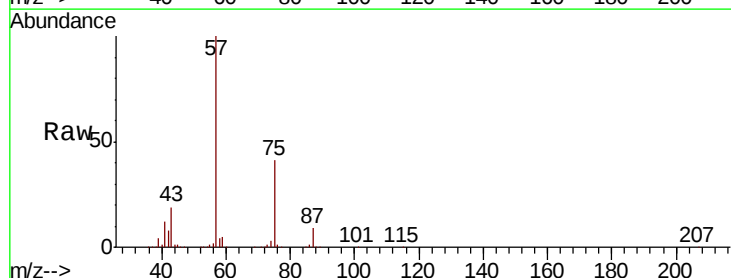
Acq: 10 Jan 2019 17:42

Tgt Ion: 76 Resp: 20588

Ion Ratio Lower Upper

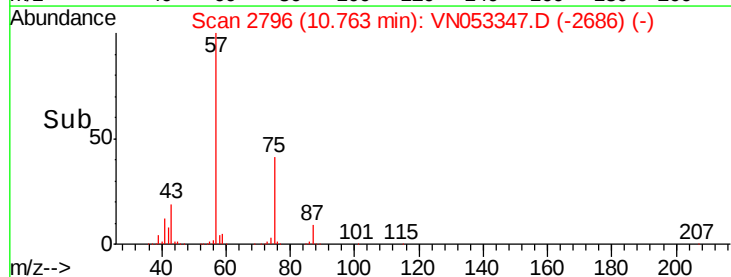
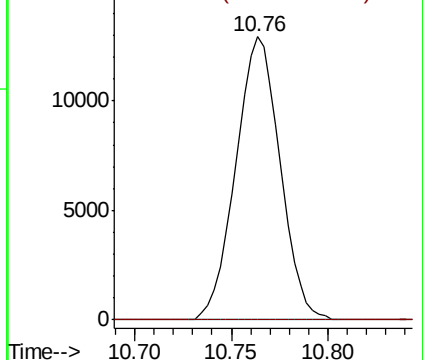
76 100

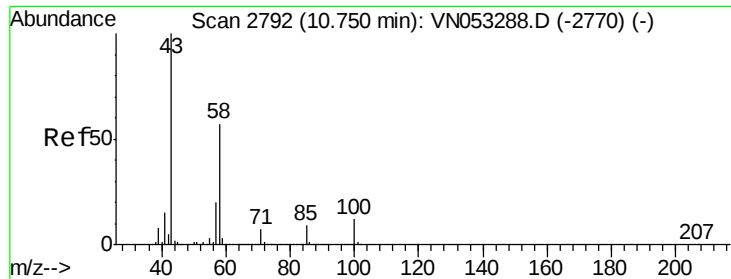
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

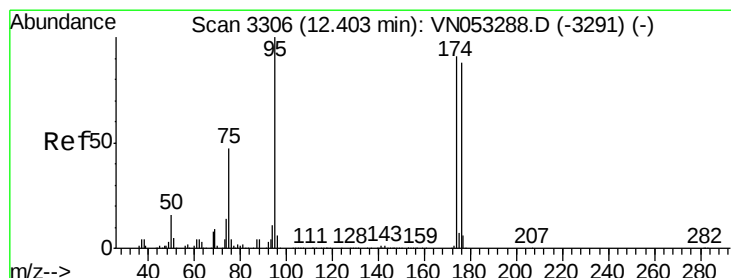
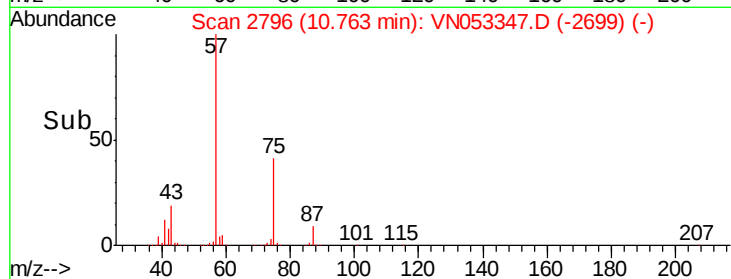
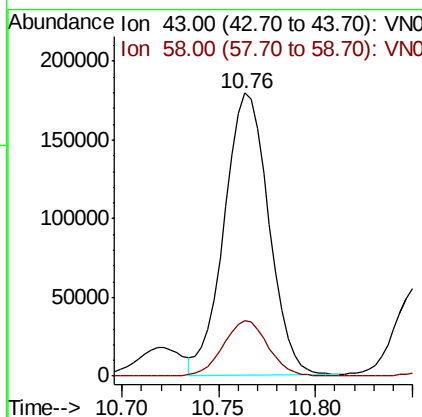
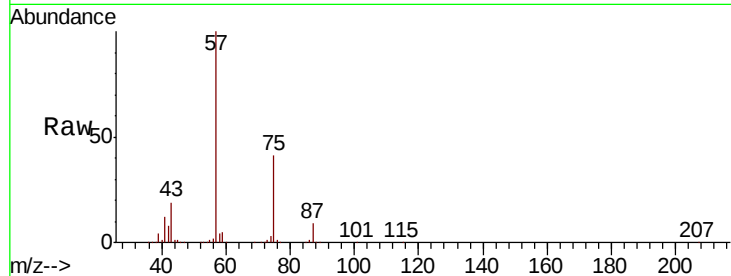




#59
2-Hexanone
Concen: 44.953 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

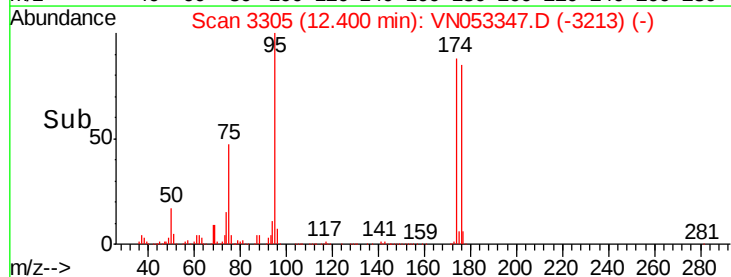
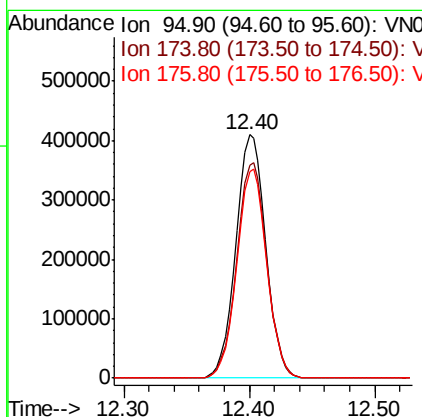
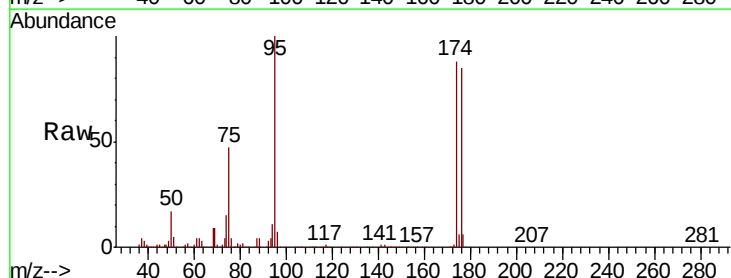
Instrument :
MSVOA_N
ClientSampleId :
HR-06-010918-C

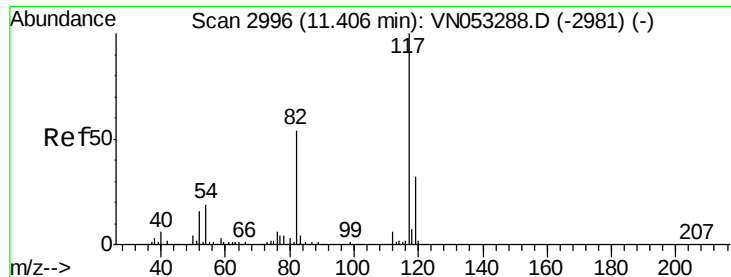
Tgt Ion: 43 Resp: 286897
Ion Ratio Lower Upper
43 100
58 19.9 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

Tgt Ion: 95 Resp: 677610
Ion Ratio Lower Upper
95 100
174 89.2 0.0 180.4
176 85.9 0.0 175.6

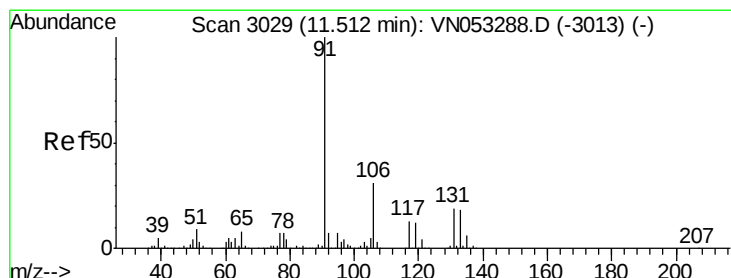
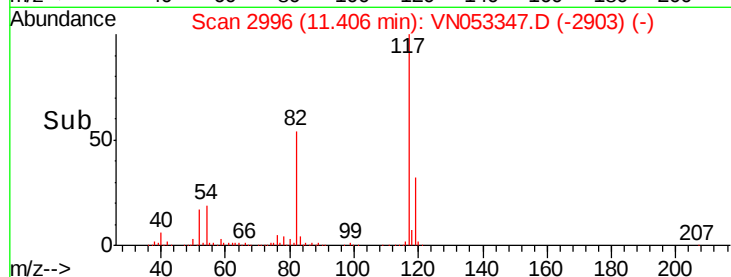
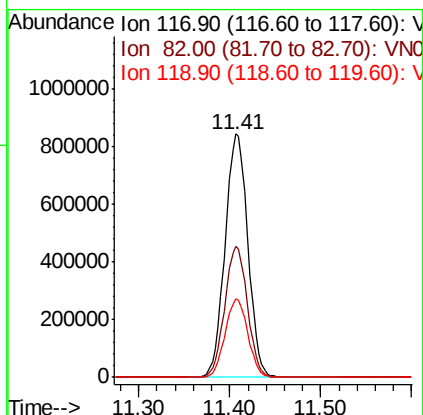
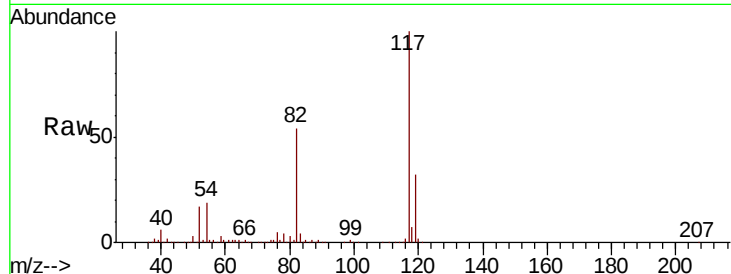




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

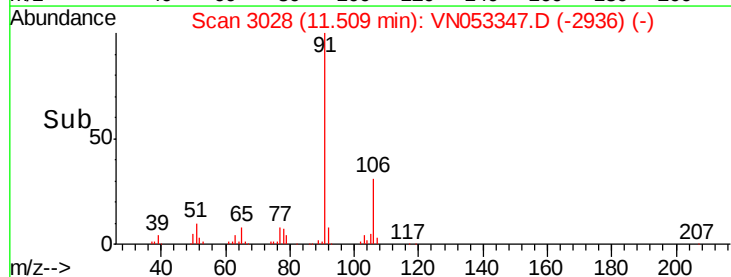
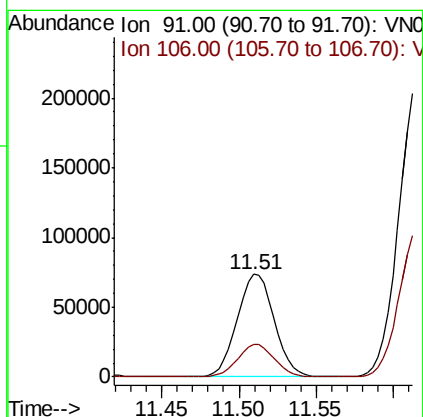
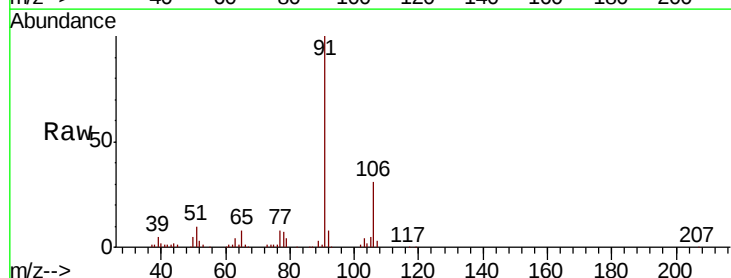
Instrument :
MSVOA_N
ClientSampleId :
HR-06-010918-C

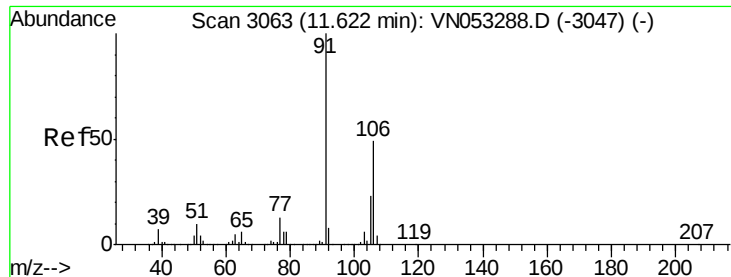
Tgt Ion:117 Resp: 1463367
Ion Ratio Lower Upper
117 100
82 53.8 42.9 64.3
119 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 2.275 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

Tgt Ion: 91 Resp: 122869
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

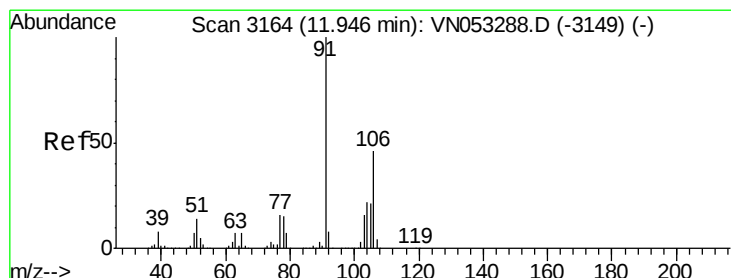
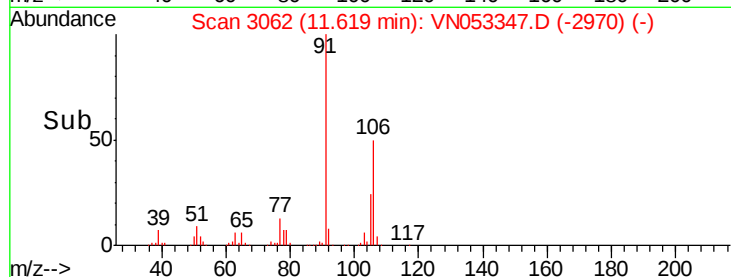
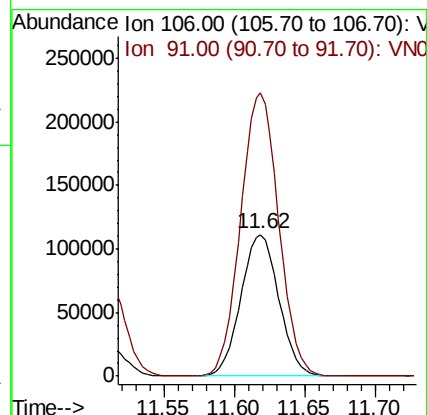
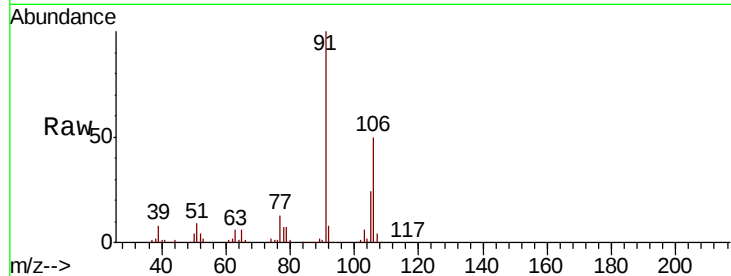




#68
m/p-Xylenes
Concen: 10.335 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

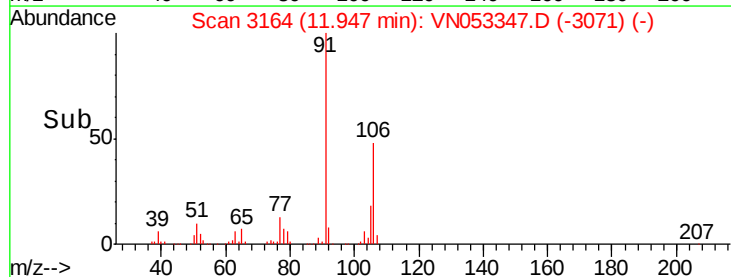
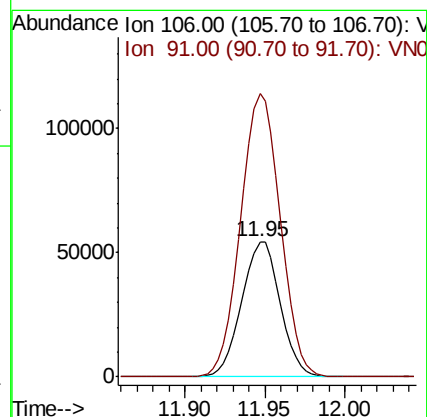
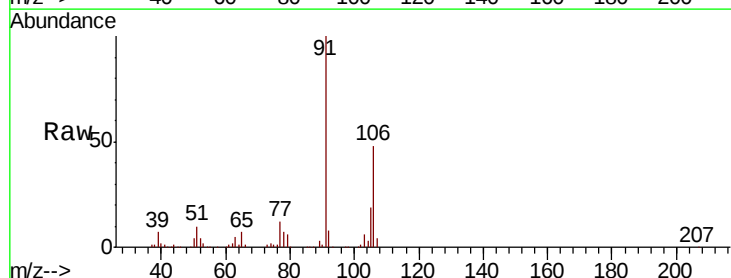
Instrument :
MSVOA_N
ClientSampleId :
HR-06-010918-C

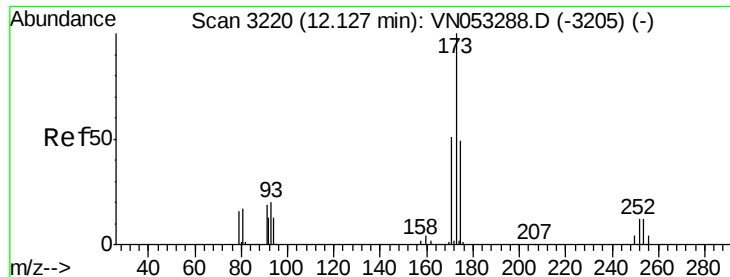
Tgt Ion:106 Resp: 209935
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.2



#69
o-Xylene
Concen: 4.485 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053347.D
Acq: 10 Jan 2019 17:42

Tgt Ion:106 Resp: 89180
Ion Ratio Lower Upper
106 100
91 215.5 106.8 320.4





#71

Bromoform

Concen: 0.556 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampled :

HR-06-010918-C

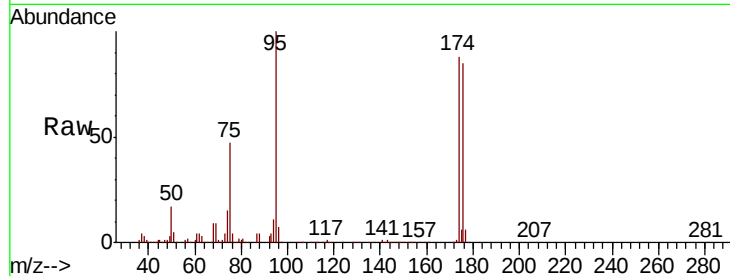
Tgt Ion:173 Resp: 4369

Ion Ratio Lower Upper

173 100

175 880.3 24.3 72.8#

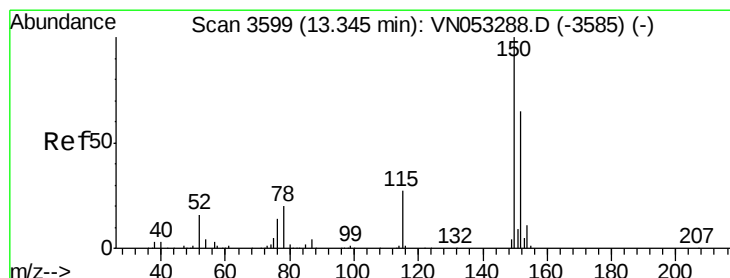
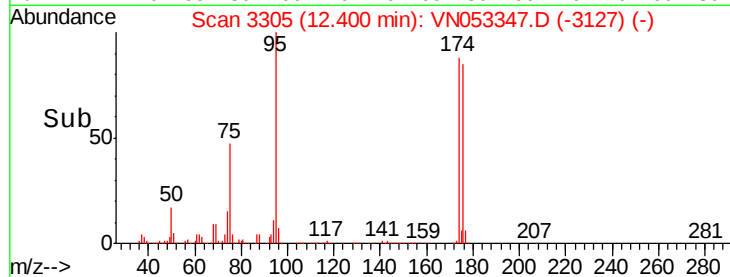
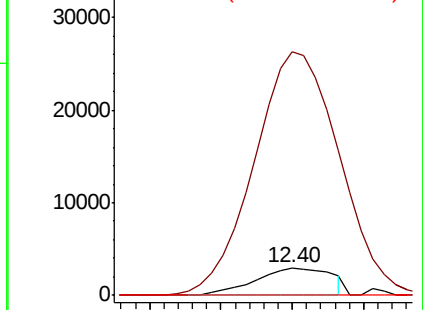
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

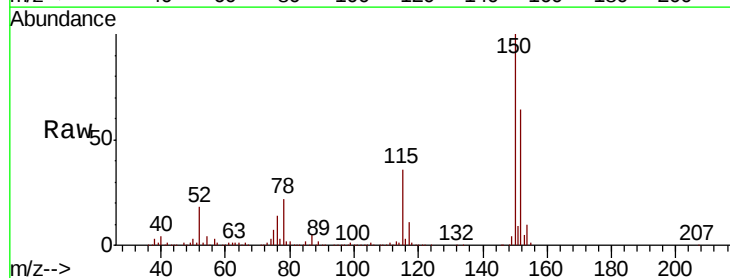
Tgt Ion:152 Resp: 633819

Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

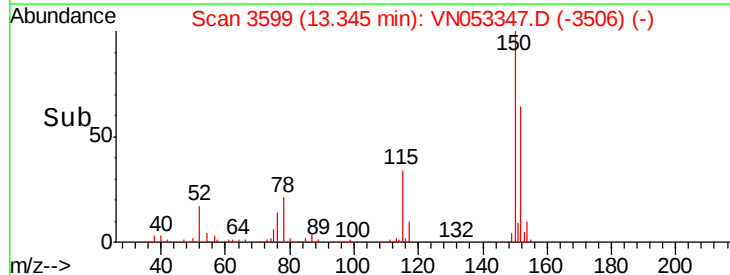
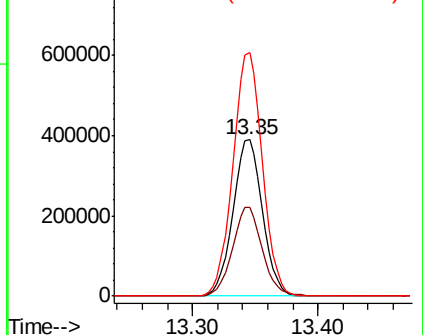
150 155.6 0.0 346.6

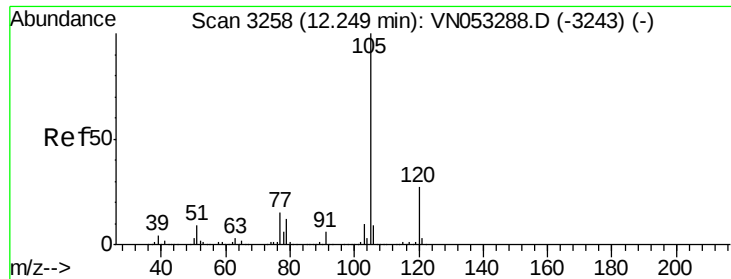


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.334 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

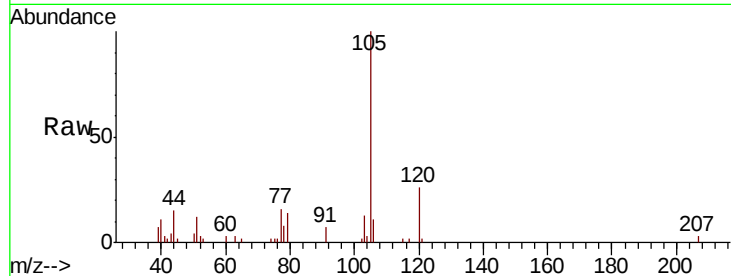
HR-06-010918-C

Tgt Ion:105 Resp: 15747

Ion Ratio Lower Upper

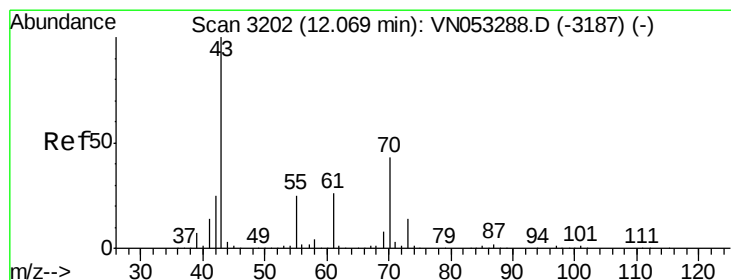
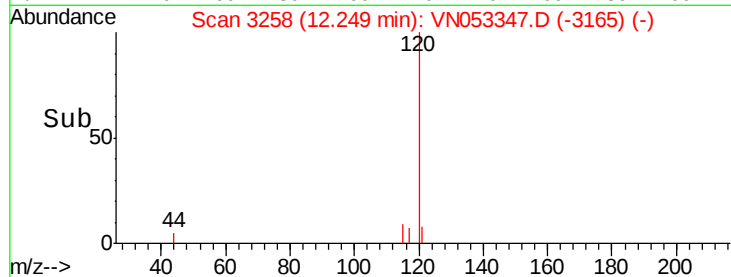
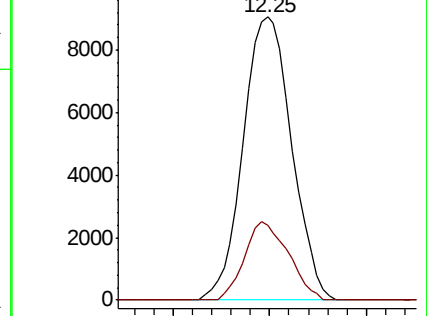
105 100

120 25.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.385 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Tgt Ion: 43 Resp: 33607

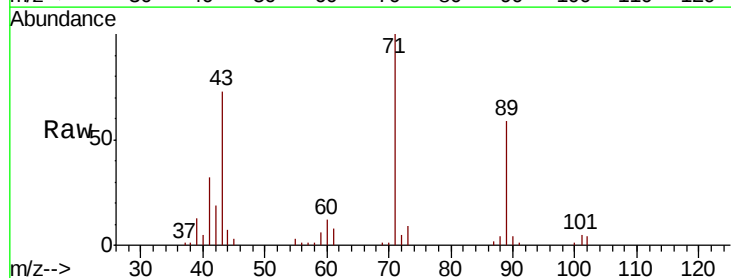
Ion Ratio Lower Upper

43 100

70 2.0 35.0 52.6#

55 4.1 20.0 30.0#

61 12.3 20.3 30.5#

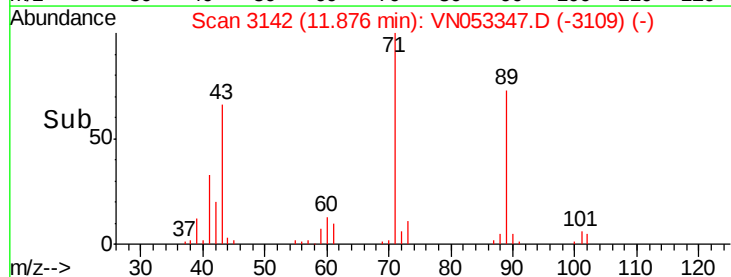
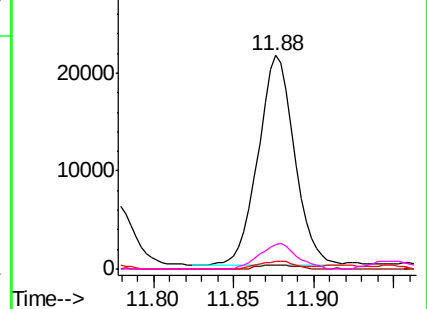


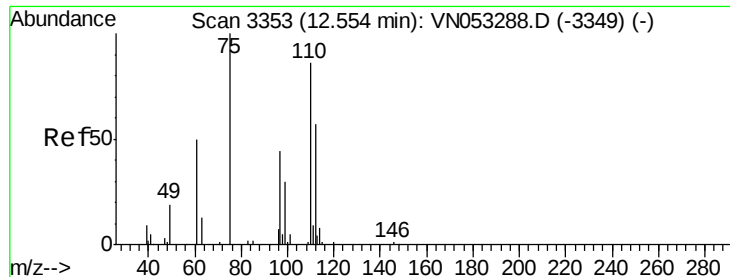
Abundance Ion 43.00 (42.70 to 43.70): V

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: 34.264 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

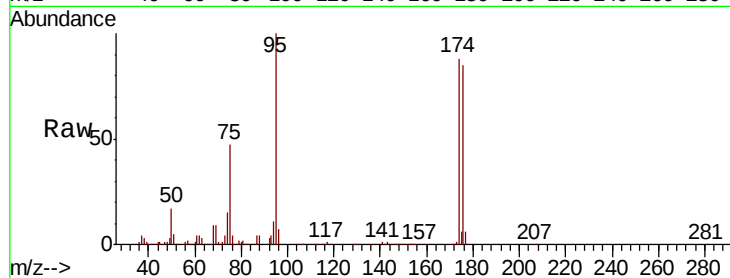
HR-06-010918-C

Tgt Ion: 75 Resp: 316756

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

200000

150000

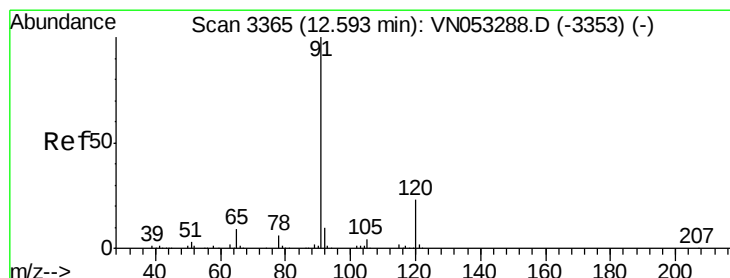
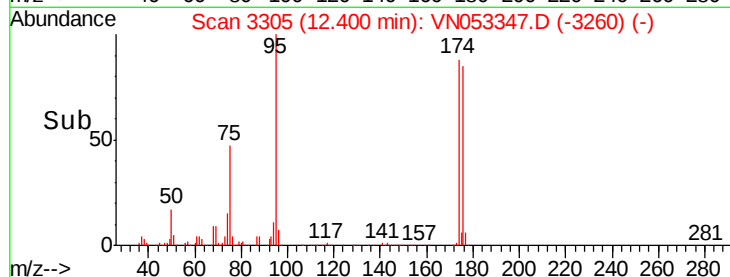
100000

50000

0

Time-->

12.35 12.40 12.45



#78

n-propylbenzene

Concen: 1.546 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053347.D

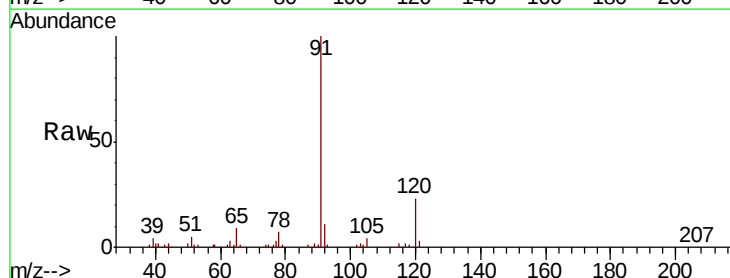
Acq: 10 Jan 2019 17:42

Tgt Ion: 91 Resp: 82536

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

60000

50000

40000

30000

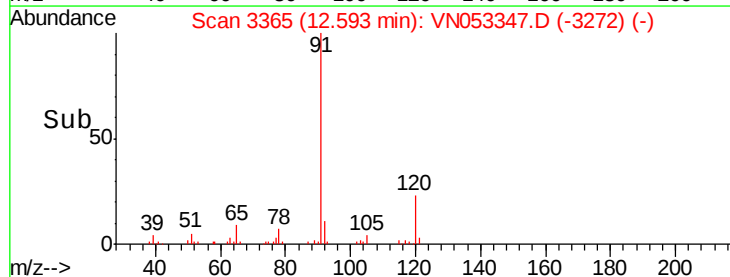
20000

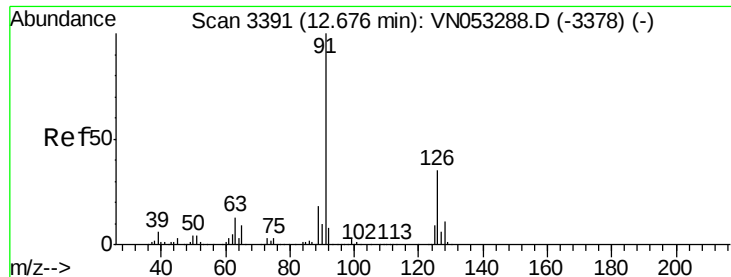
10000

0

Time-->

12.55 12.60 12.65

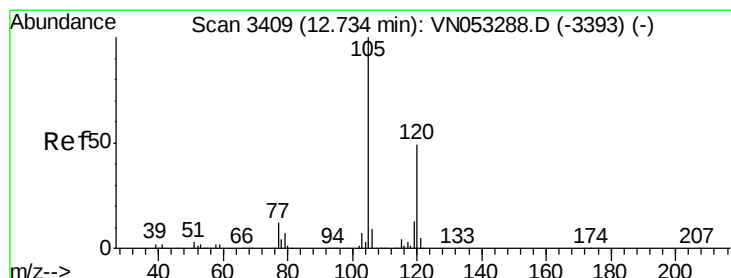
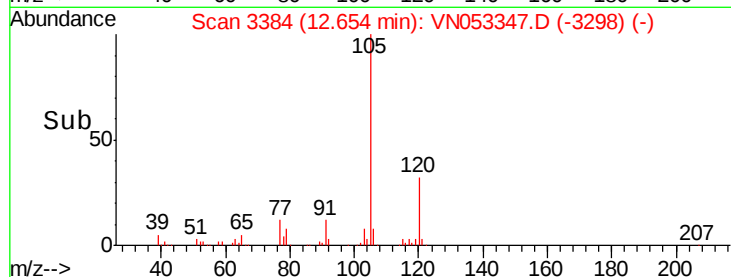
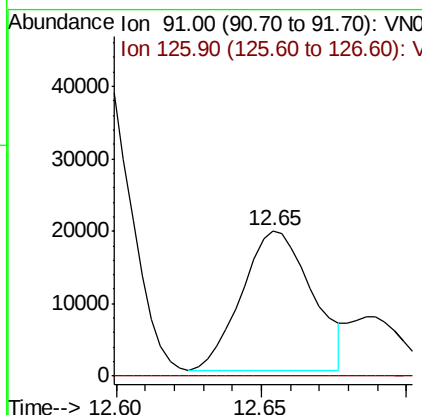
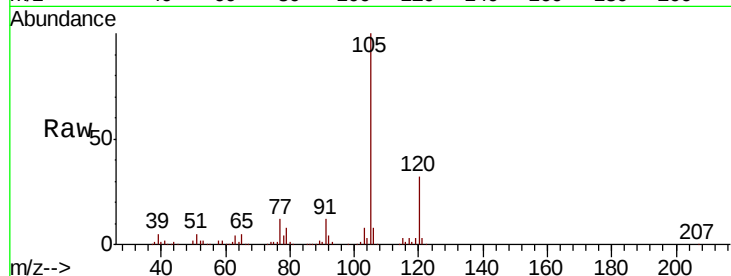




#79
 2-Chlorotoluene
 Concen: 0.998 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

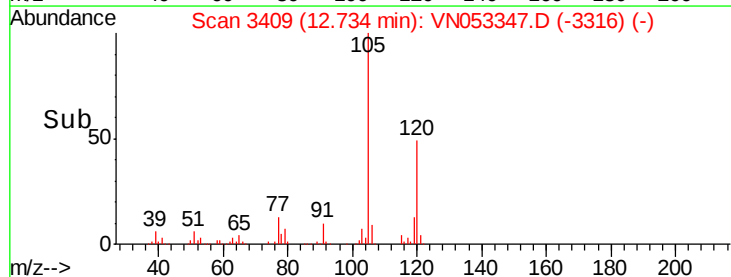
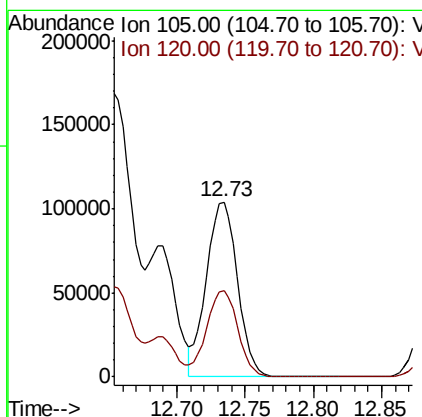
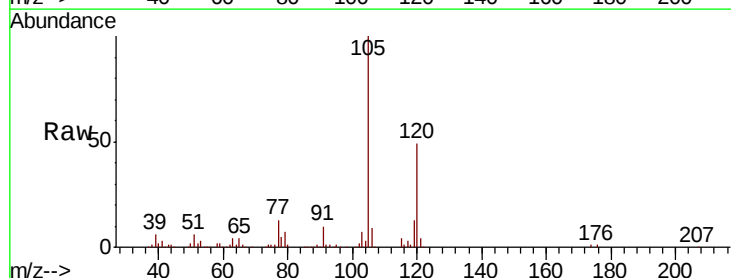
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-010918-C

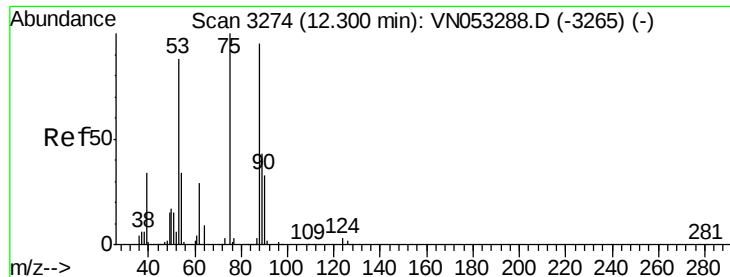
Tgt Ion: 91 Resp: 32221
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.5 52.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.355 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

Tgt Ion: 105 Resp: 165536
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 100.810 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

HR-06-010918-C

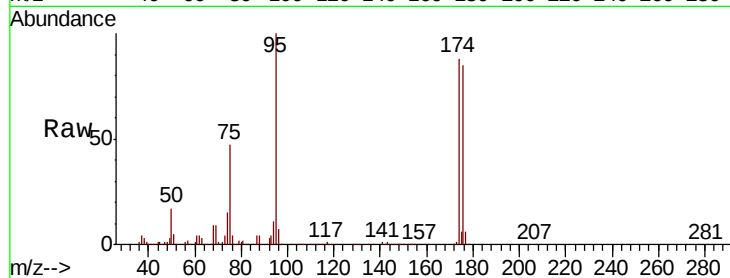
Tgt Ion: 75 Resp: 316756

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

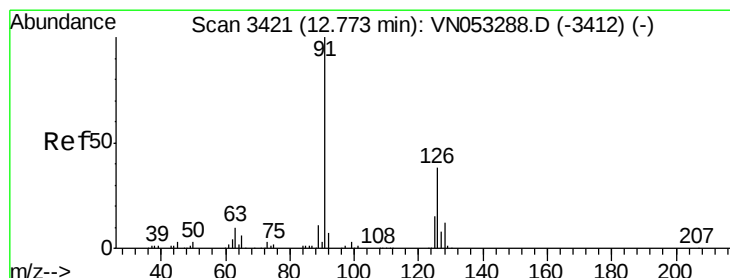
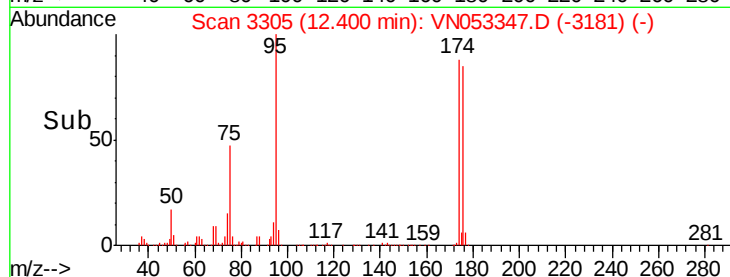
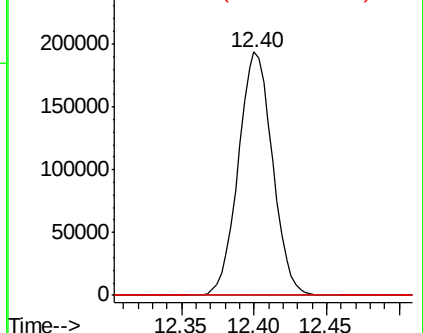
89 0.0 35.4 53.0#



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: 0.474 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053347.D

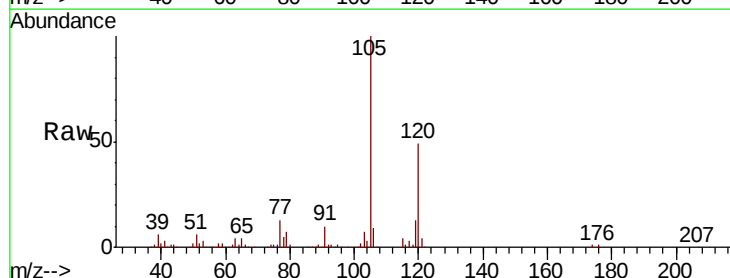
Acq: 10 Jan 2019 17:42

Tgt Ion: 91 Resp: 15684

Ion Ratio Lower Upper

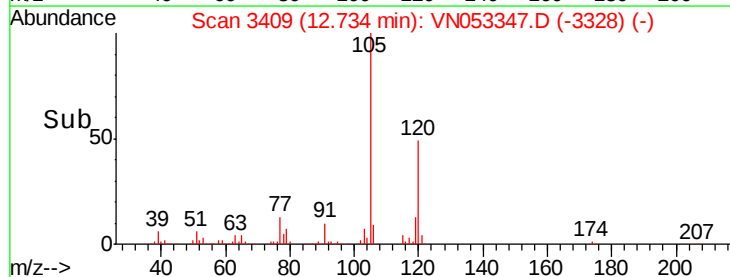
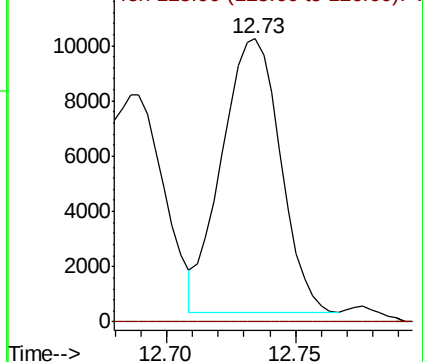
91 100

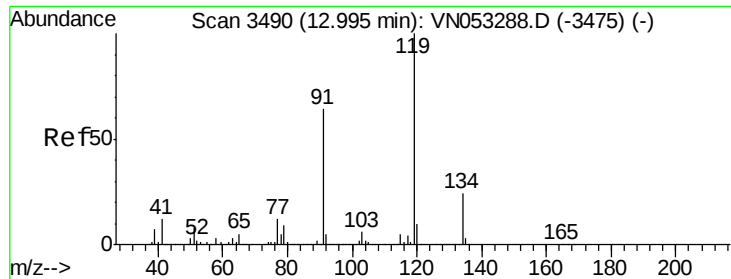
126 0.0 17.4 52.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

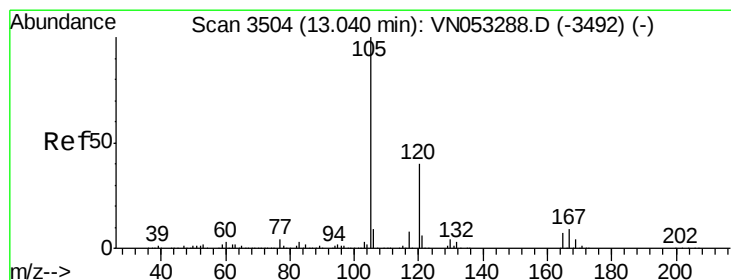
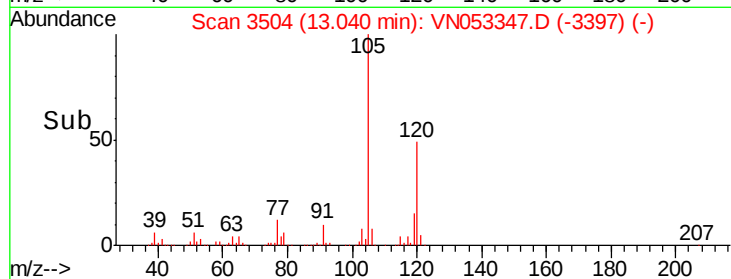
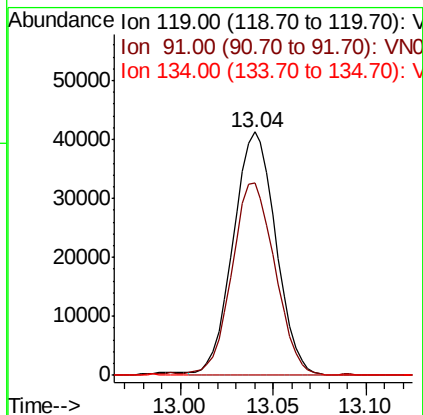
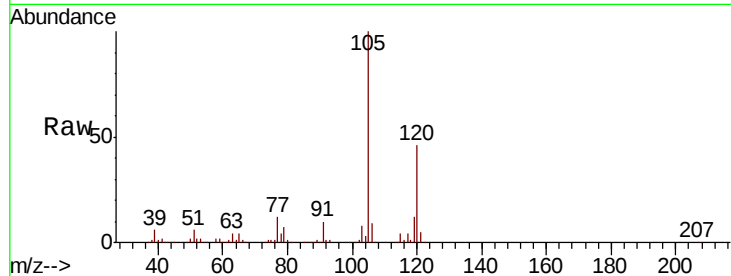




#83
 tert-Butylbenzene
 Concen: 1.986 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

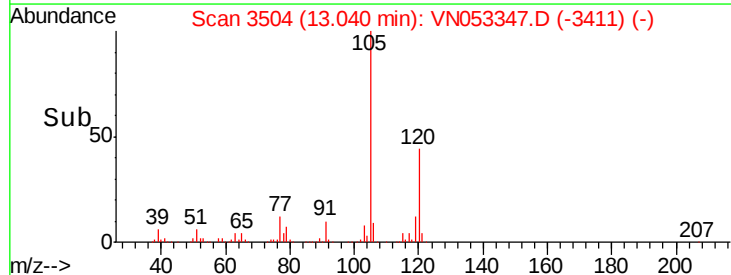
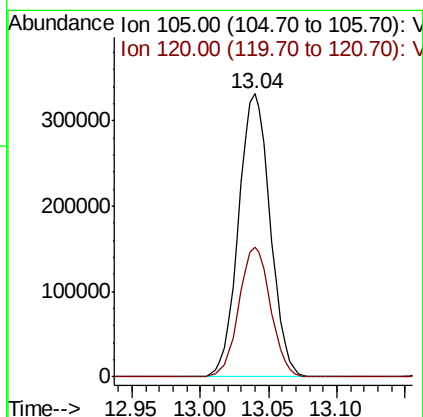
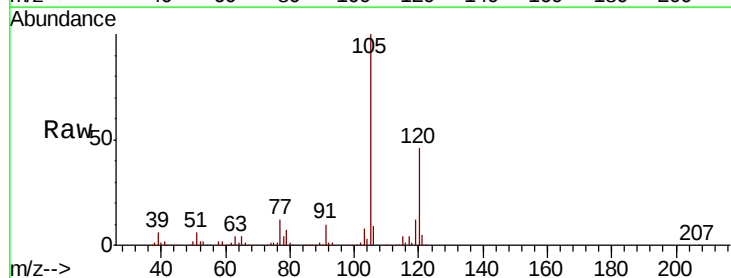
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-010918-C

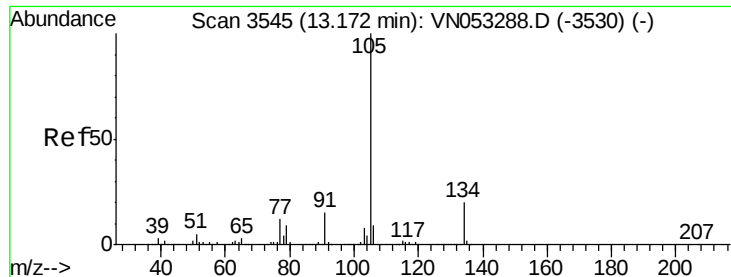
Tgt Ion:119 Resp: 66235
 Ion Ratio Lower Upper
 119 100
 91 78.7 31.6 95.0
 134 0.0 12.9 38.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 13.786 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

Tgt Ion:105 Resp: 533858
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0

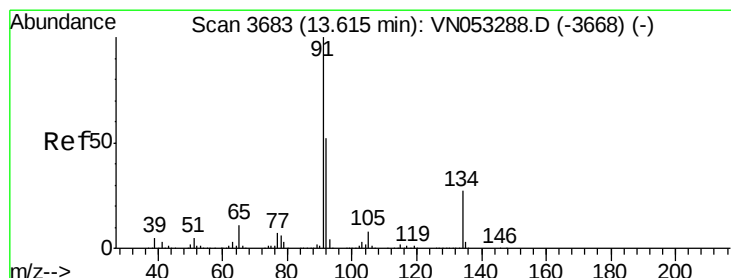
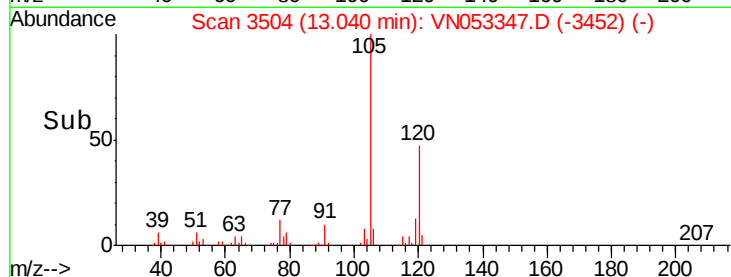
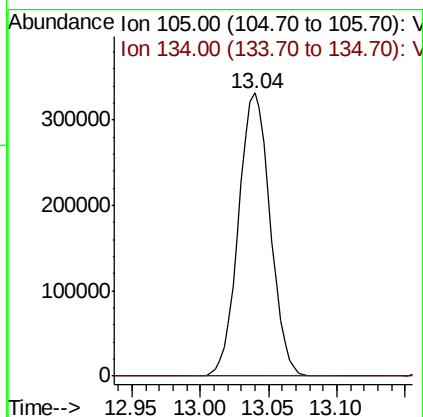
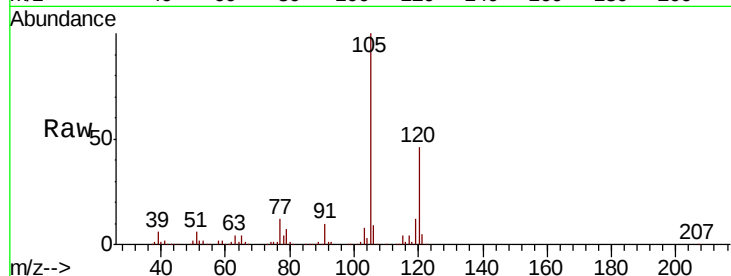




#85
 sec-Butylbenzene
 Concen: 12.138 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

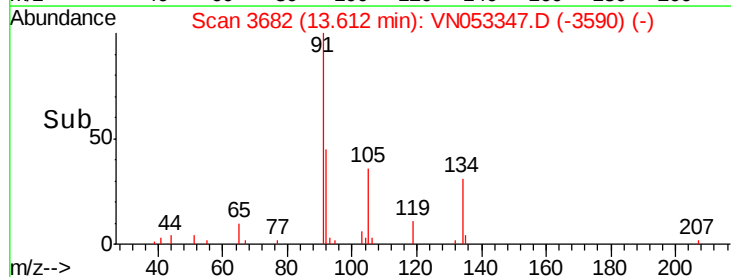
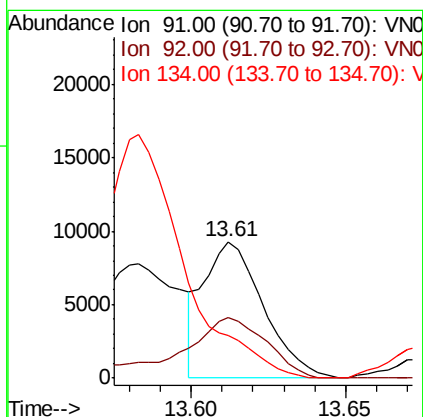
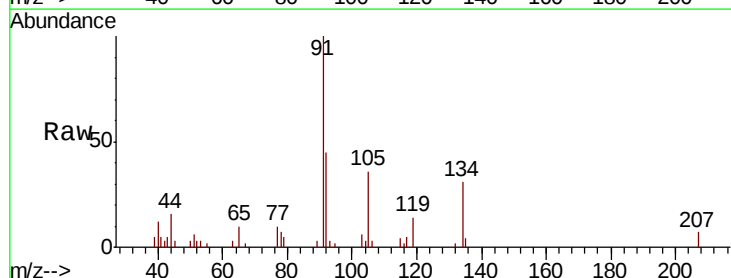
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-010918-C

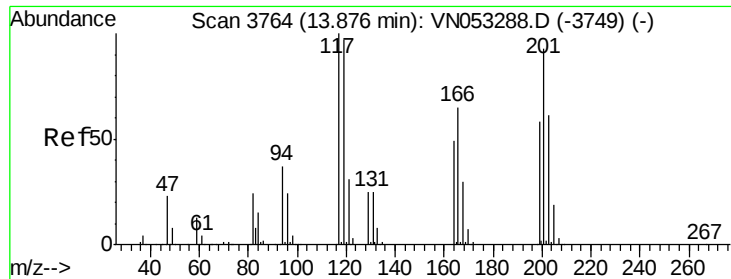
Tgt Ion: 105 Resp: 533858
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#



#89
 n-Butylbenzene
 Concen: 0.386 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN053347.D
 Acq: 10 Jan 2019 17:42

Tgt Ion: 91 Resp: 12329
 Ion Ratio Lower Upper
 91 100
 92 65.2 26.3 78.8
 134 0.0 13.5 40.5#





#90

Hexachloroethane

Concen: 1.046 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

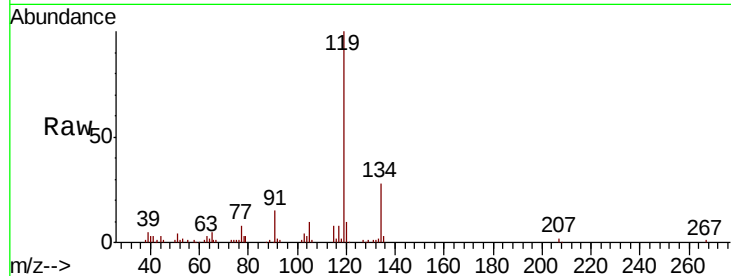
HR-06-010918-C

Tgt Ion:117 Resp: 6384

Ion Ratio Lower Upper

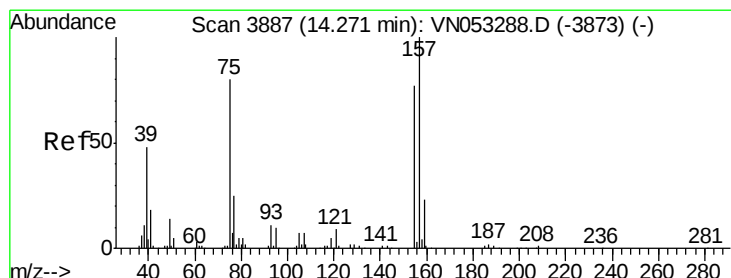
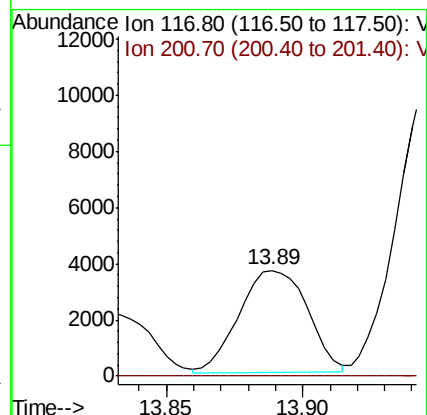
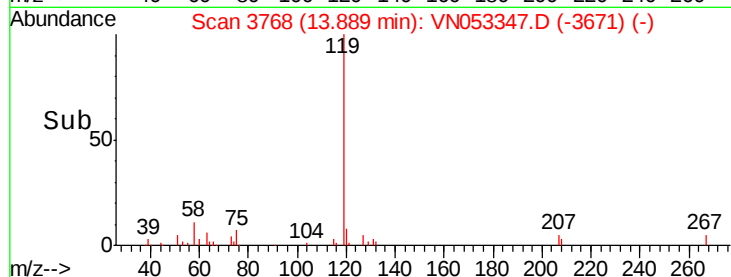
117 100

201 0.0 46.1 138.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.358 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

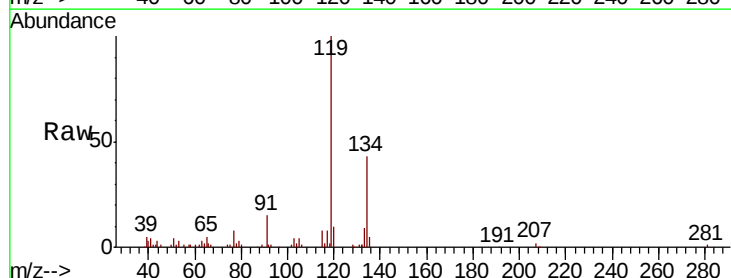
Tgt Ion: 75 Resp: 471

Ion Ratio Lower Upper

75 100

155 0.0 48.1 144.3#

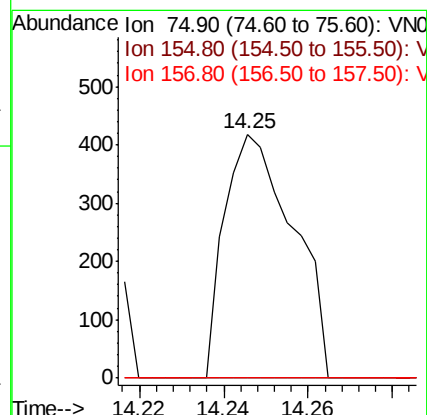
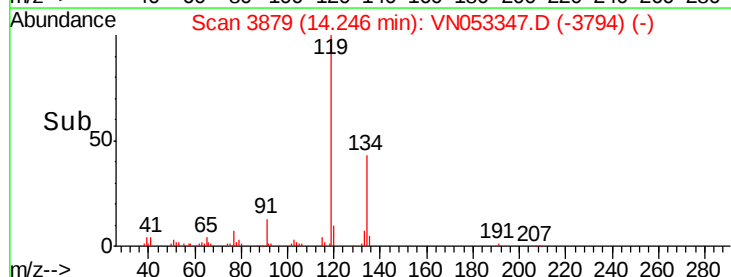
157 0.0 61.5 184.4#

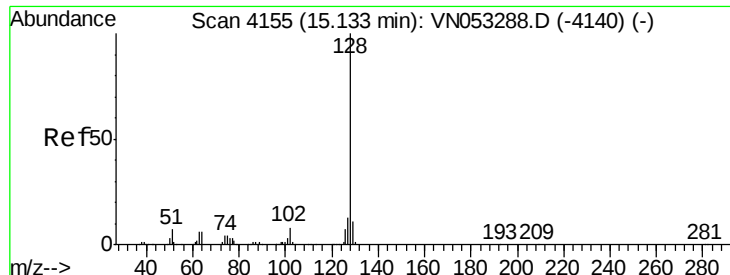


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.898 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053347.D

Acq: 10 Jan 2019 17:42

Instrument :

MSVOA_N

ClientSampleId :

HR-06-010918-C

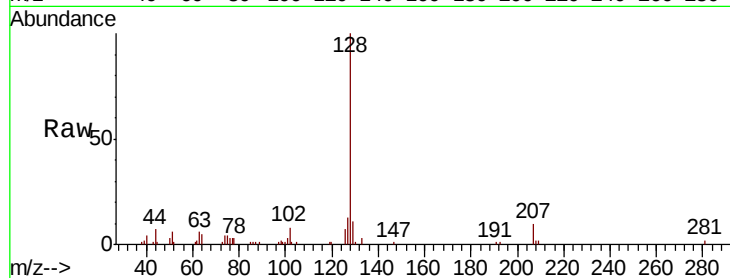
Tgt Ion:128 Resp: 43442

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

129 11.4 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

