

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054199.D
 Acq On : 13 Mar 2019 7:52
 Operator : JC/SP
 Sample : K1687-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-031119-A

Quant Time: Mar 13 09:05:55 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	7.67	168	1454760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2366950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2488877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1153578	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	773243	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	7.59	113	736431	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	10.09	98	2943724	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.40	95	1161732	58.89	ug/l	0.00
Spiked Amount			Recovery	=	117.78%	

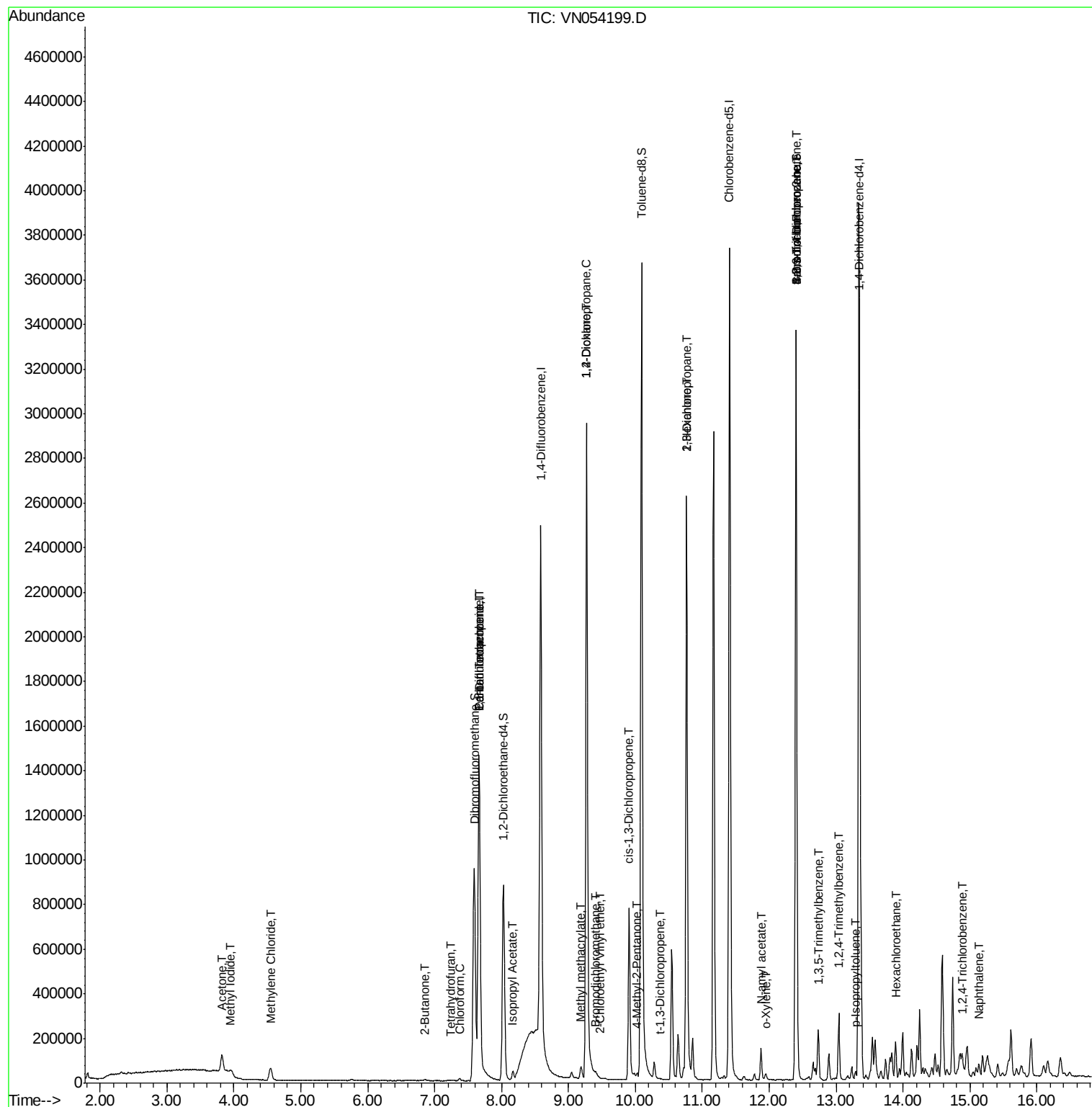
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	189	1.505	ug/l #	39
16) Acetone	3.82	43	118508	26.790	ug/l	99
20) Methylene Chloride	4.54	84	42827	2.949	ug/l	97
25) 2-Butanone	6.85	43	4329	0.834	ug/l #	82
29) Tetrahydrofuran	7.24	42	2264	0.678	ug/l #	38
30) Chloroform	7.38	83	10051	0.388	ug/l	91
31) Cyclohexane	7.67	56	22498	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	81990	3.761	ug/l #	48
38) Carbon Tetrachloride	7.66	117	115283	5.043	ug/l #	16
43) Isopropyl Acetate	8.17	43	48162	2.191	ug/l	99
45) 1,2-Dichloropropane	9.27	63	4329	0.279	ug/l #	43
47) Bromodichloromethane	9.40	83	4366	0.208	ug/l #	94
48) Methyl methacrylate	9.18	41	17616	1.579	ug/l #	11
49) 1,4-Dioxane	9.27	88	597	3.783	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	19292	1.658	ug/l #	36
53) t-1,3-Dichloropropene	10.37	75	367	2.001	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	157610	6.447	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	30251	1.281	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.48	63	29	16.832	ug/l #	44
59) 2-Hexanone	10.76	43	399287	51.579	ug/l #	50
69) o-Xylene	11.95	106	8543	0.248	ug/l	96
71) Bromoform	12.40	173	6829	2.781	ug/l #	1
74) N-ethyl acetate	11.88	43	43485	2.123	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	557405	32.858	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	122581	1.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	557405	112.324	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	176186	2.339	ug/l	100
86) p-Isopropyltoluene	13.29	119	20674	0.257	ug/l	96
90) Hexachloroethane	13.89	117	7545	0.567	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.90	180	555	2.538	ug/l #	1
95) Naphthalene	15.13	128	49570	4.381	ug/l #	96

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

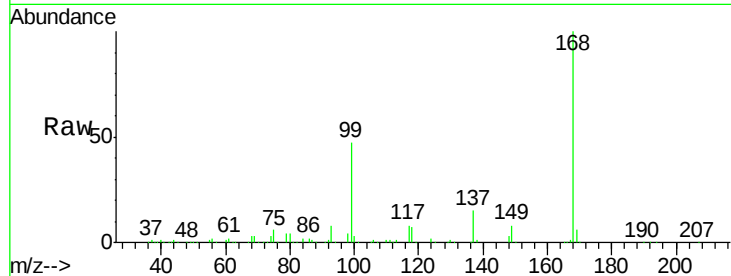
HR-06-031119-A

Tot Ion:168 Resp: 1454760

Ion Ratio Lower Upper

168 100

99 46.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

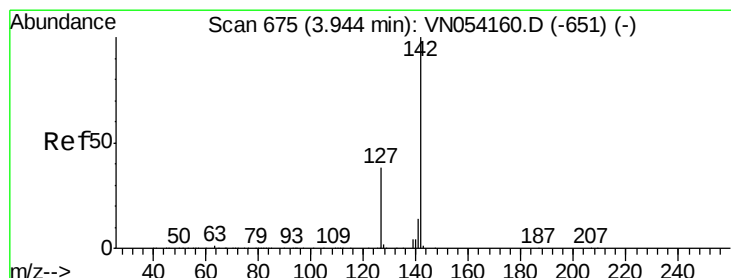
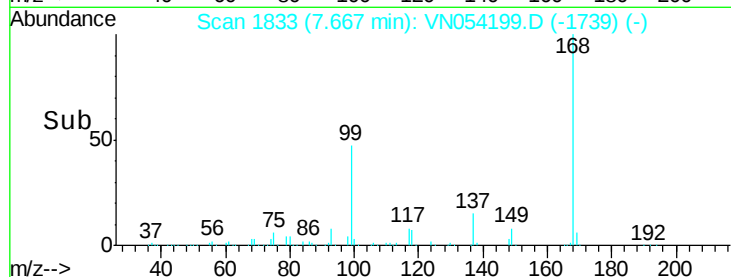
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.505 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

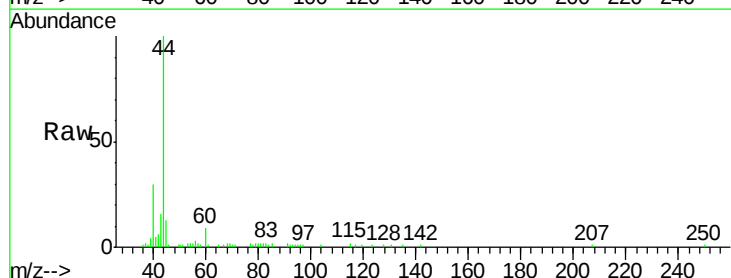
Tgt Ion:142 Resp: 189

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 36.5 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.93

300

250

200

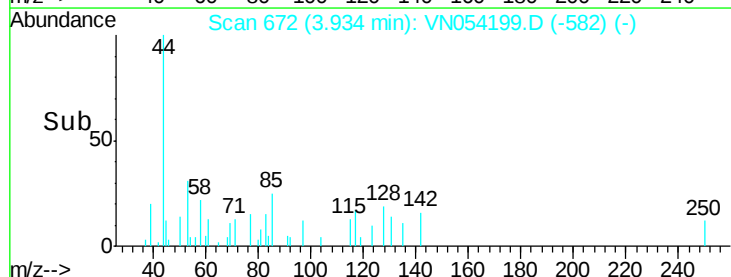
150

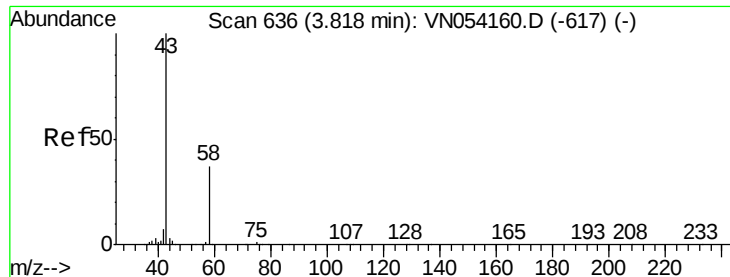
100

50

0

Time--> 3.91 3.92 3.93 3.94 3.95





#16

Acetone

Concen: 26.790 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

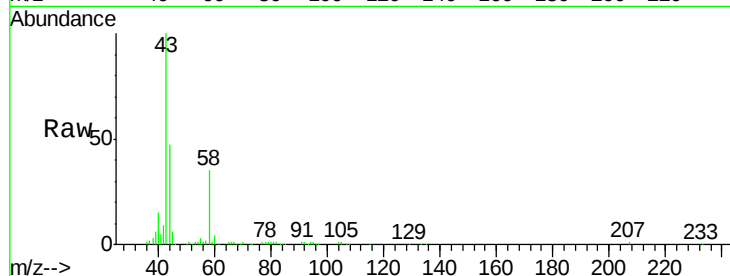
HR-06-031119-A

Tot Ion: 43 Resp: 118508

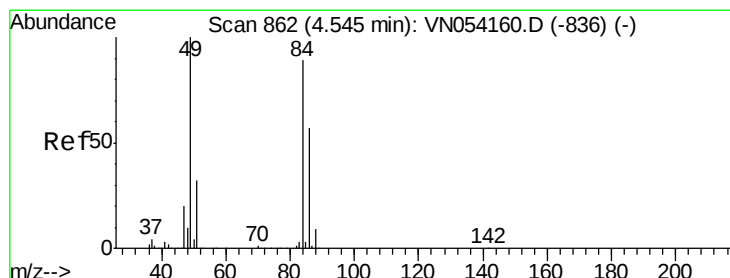
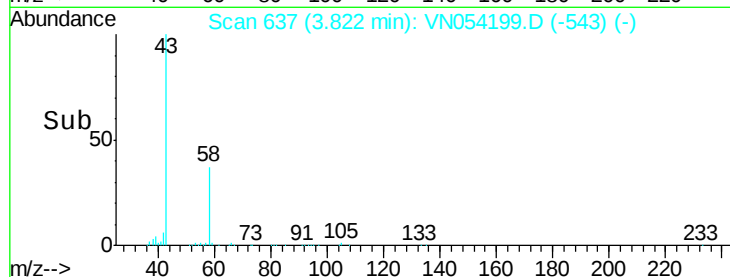
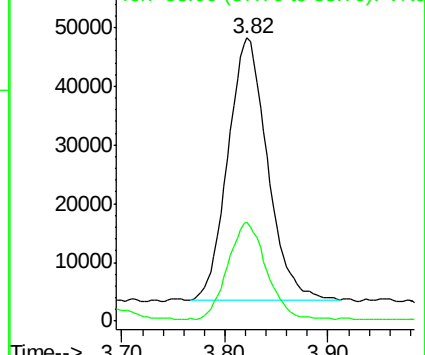
Ion Ratio Lower Upper

43 100

58 36.8 29.9 44.9



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



#20

Methylene Chloride

Concen: 2.949 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Tgt Ion: 84 Resp: 42827

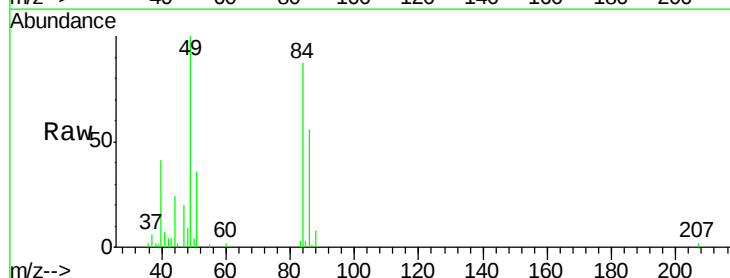
Ion Ratio Lower Upper

84 100

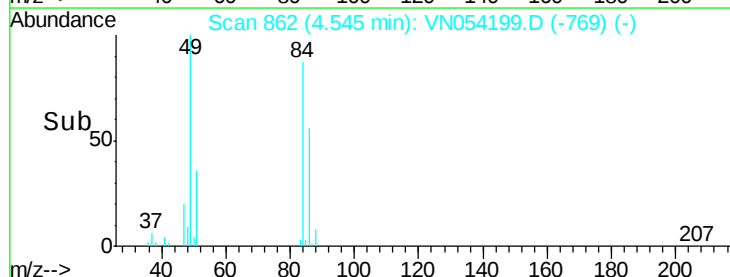
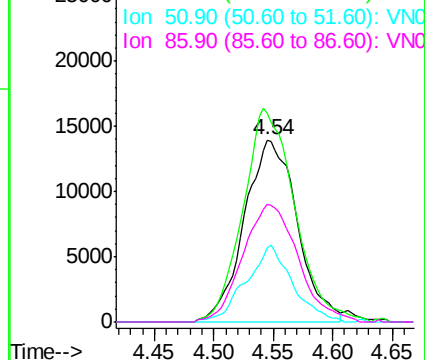
49 114.8 89.7 134.5

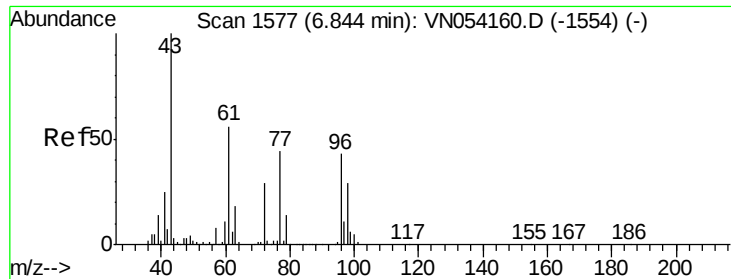
51 40.8 28.2 42.4

86 64.7 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

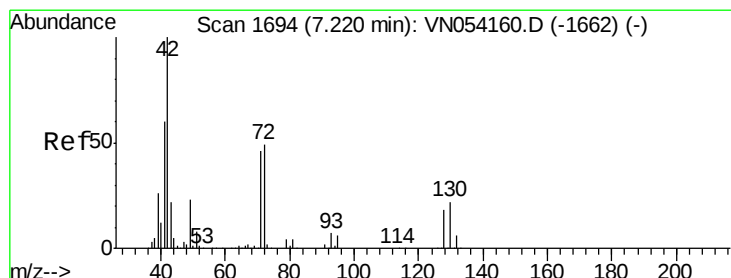
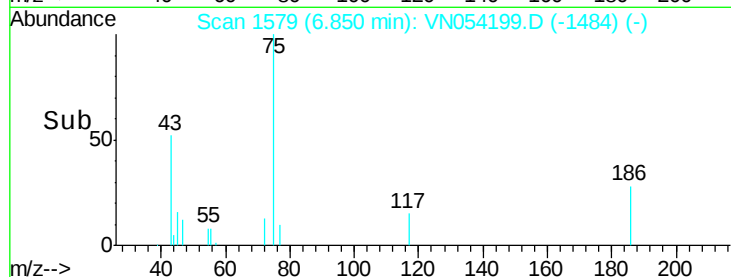
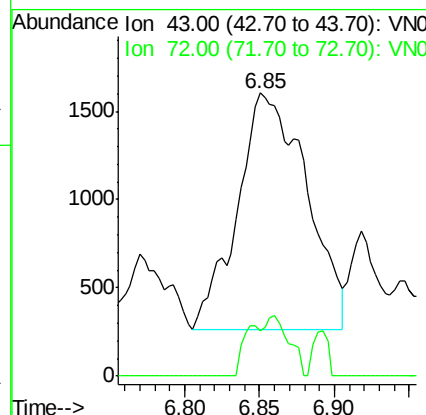
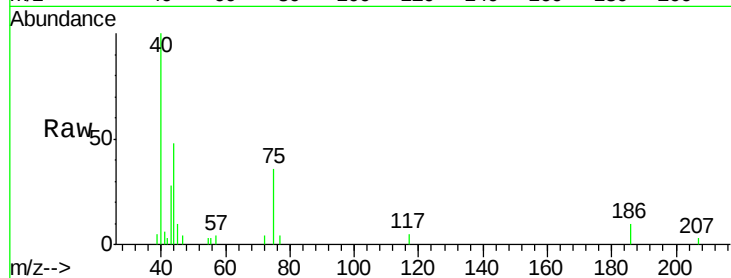




#25
 2-Butanone
 Concen: 0.834 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN054199.D
 Acq: 13 Mar 2019 7:52

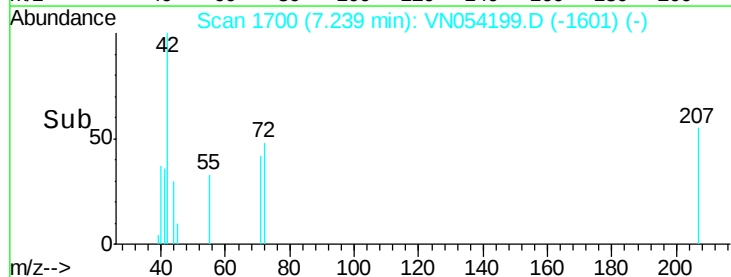
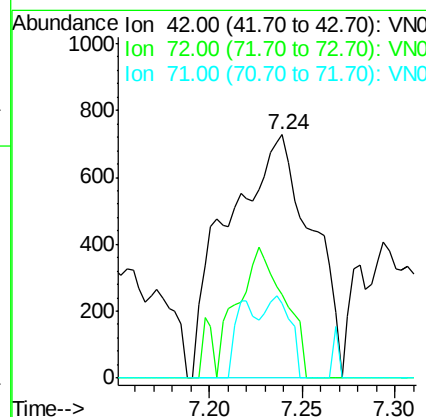
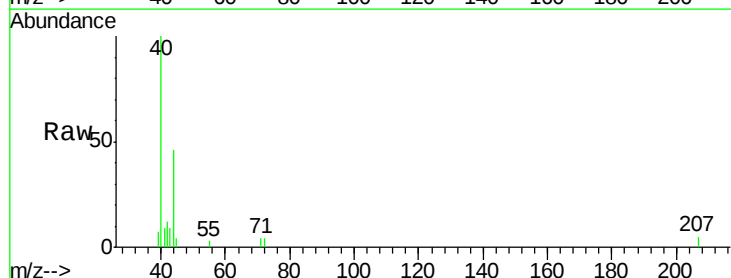
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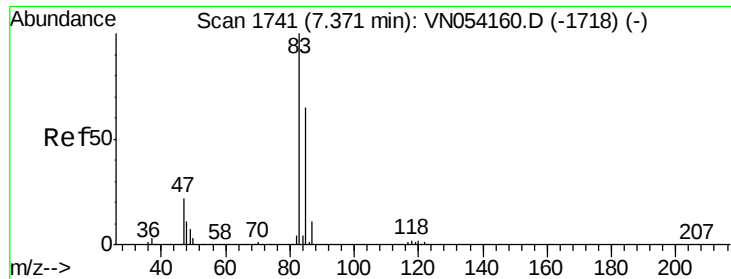
Tot Ion: 43 Resp: 4329
 Ion Ratio Lower Upper
 43 100
 72 19.0 23.0 34.6#



#29
 Tetrahydrofuran
 Concen: 0.678 ug/l
 RT: 7.24 min Scan# 1700
 Delta R.T. 0.02 min
 Lab File: VN054199.D
 Acq: 13 Mar 2019 7:52

Tgt Ion: 42 Resp: 2264
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.8 56.6#
 71 10.4 36.2 54.2#

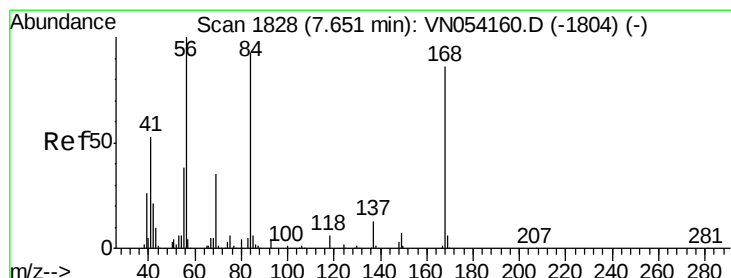
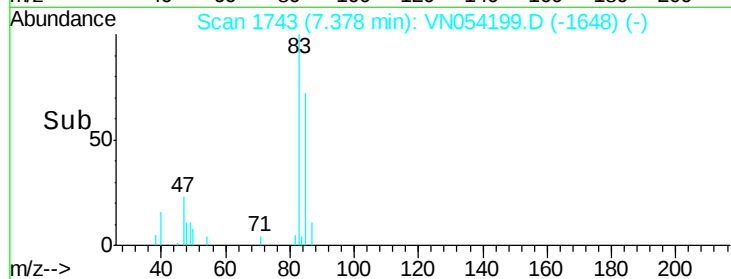
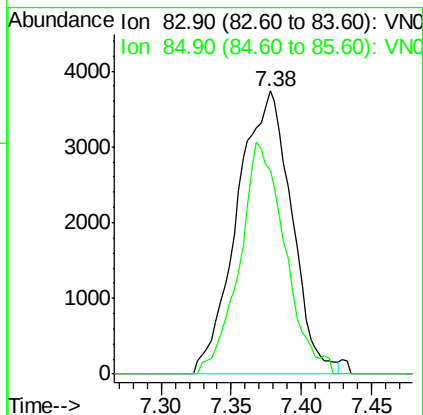
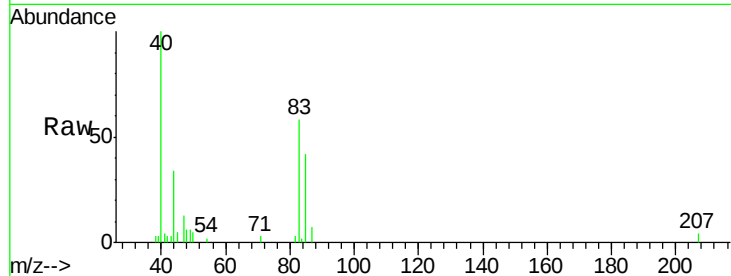




#30
Chloroform
Concen: 0.388 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

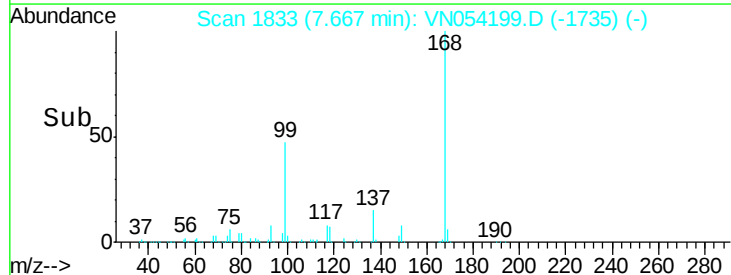
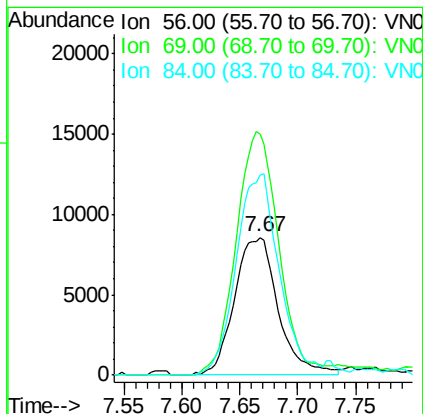
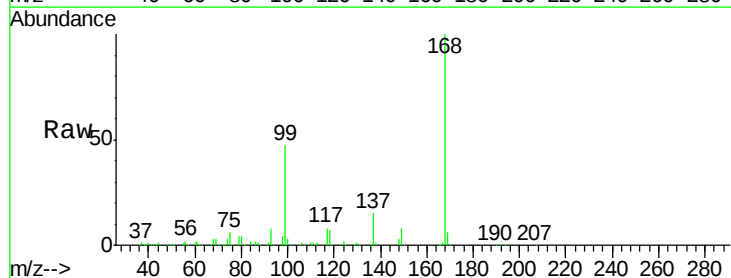
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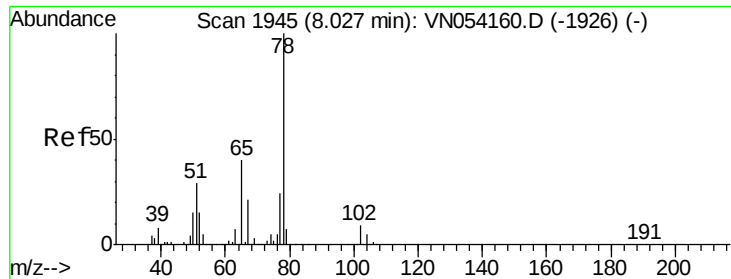
Tot Ion: 83 Resp: 10051
Ion Ratio Lower Upper
83 100
85 72.1 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

Tgt Ion: 56 Resp: 22498
Ion Ratio Lower Upper
56 100
69 174.9 27.8 41.6#
84 145.8 74.6 111.8#

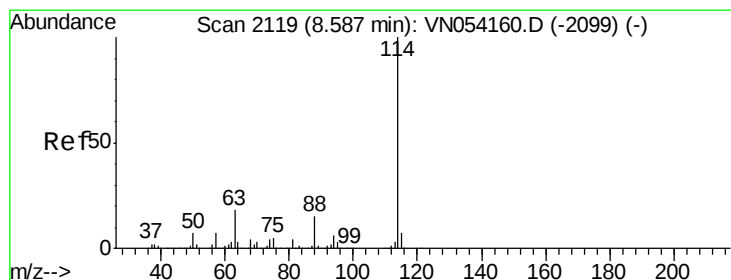
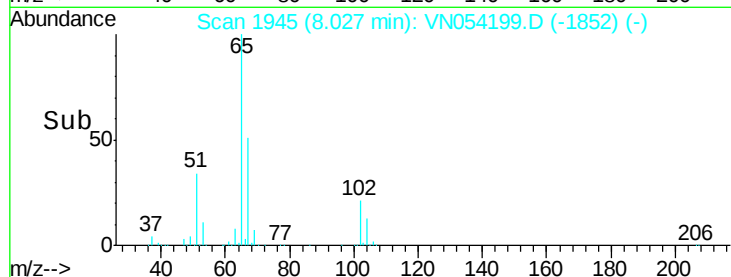
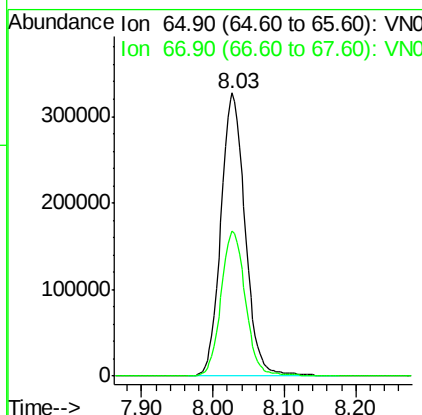
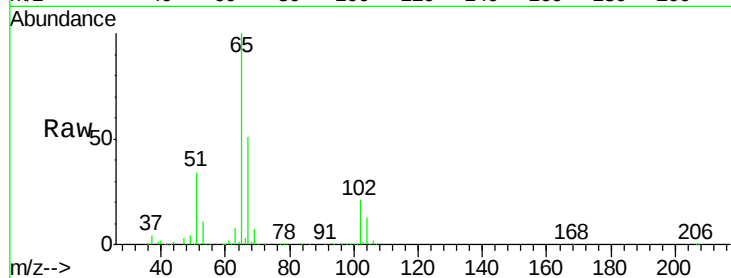




#33
 1,2-Dichloroethane-d4
 Concen: 50.049 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054199.D
 Acq: 13 Mar 2019 7:52

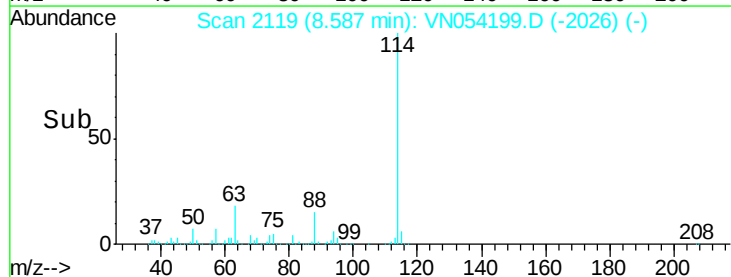
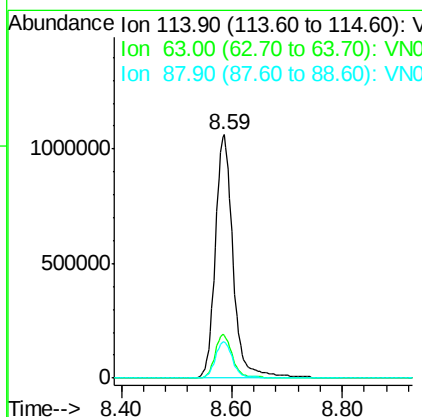
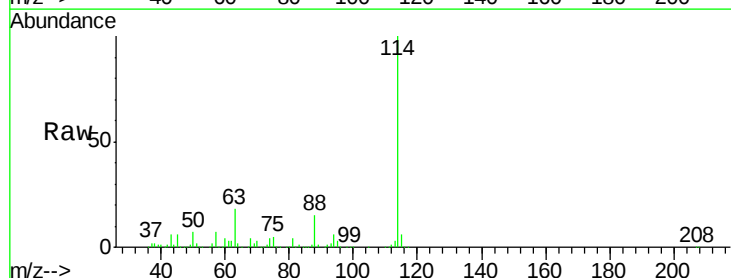
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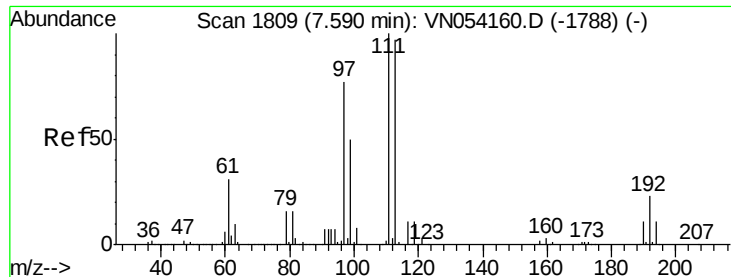
Tot Ion: 65 Resp: 773243
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054199.D
 Acq: 13 Mar 2019 7:52

Tgt Ion: 114 Resp: 2366950
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.9 0.0 30.2

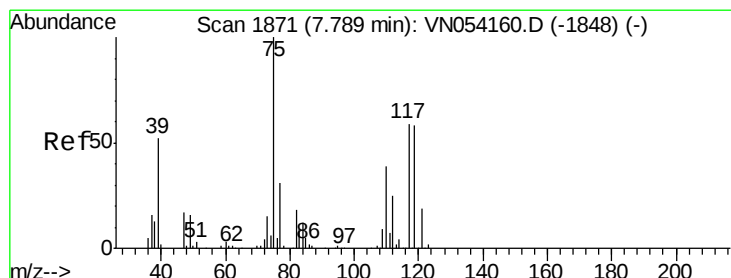
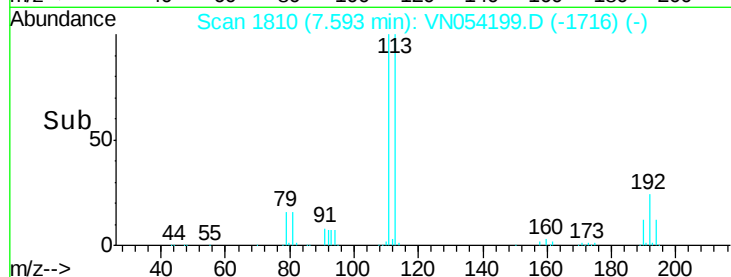
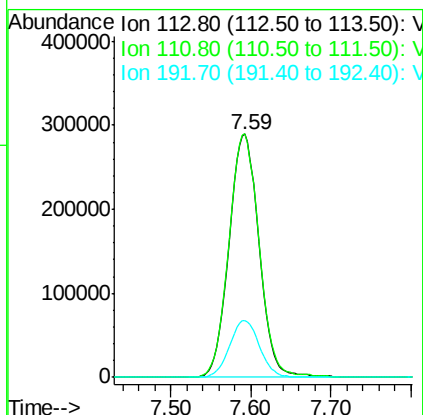
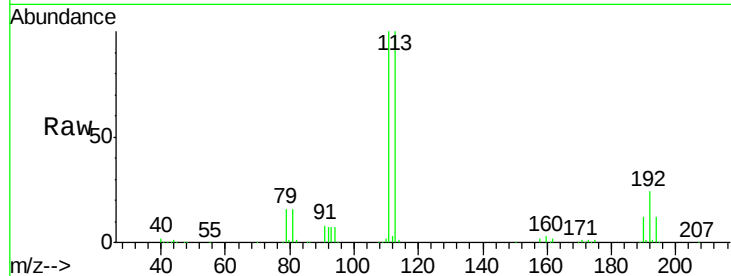




#35
 Dibromofluoromethane
 Concen: 48.240 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054199.D
 Acq: 13 Mar 2019 7:52

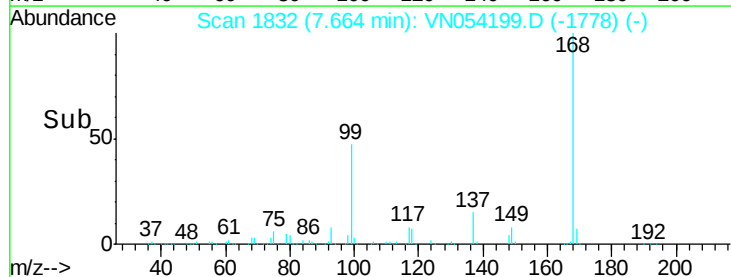
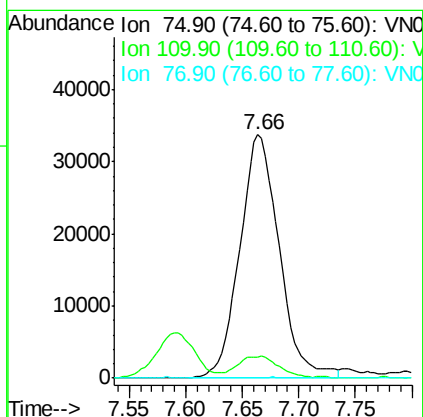
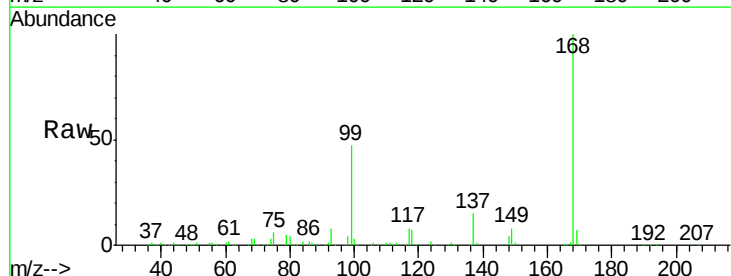
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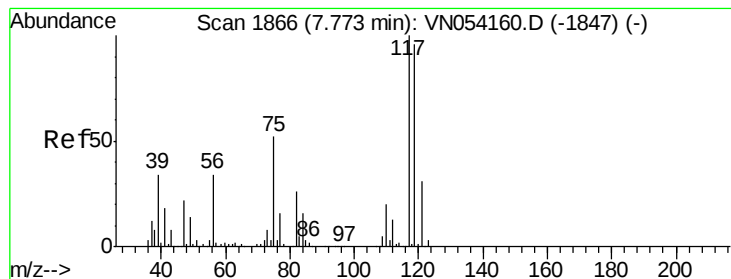
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.4
192	23.3	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.761 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054199.D
 Acq: 13 Mar 2019 7:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.043 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-A

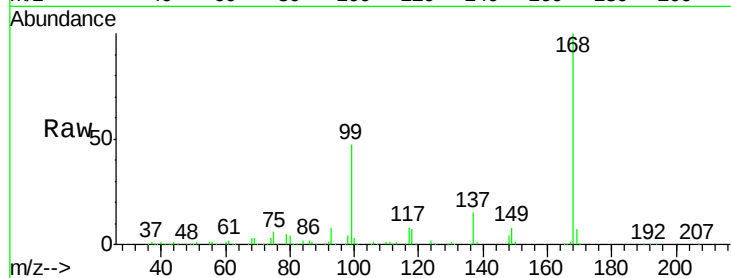
Tot Ion:117 Resp: 115283

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

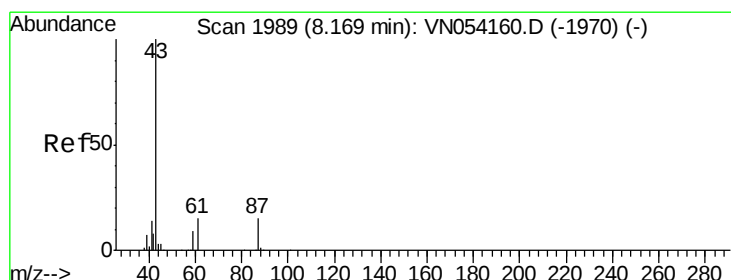
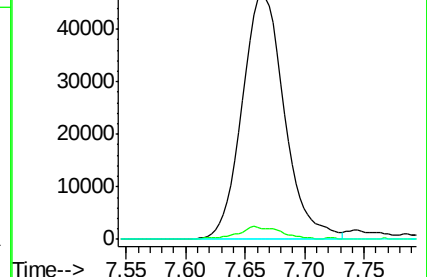
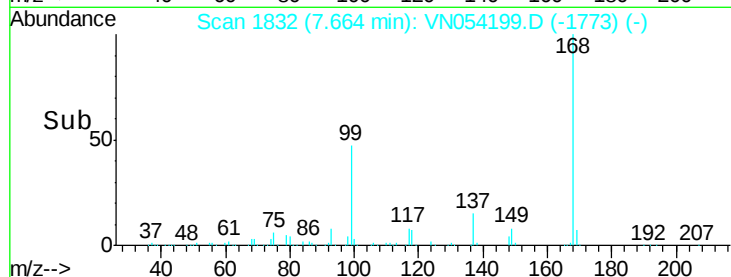
121 0.0 24.6 36.8#



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: 2.191 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

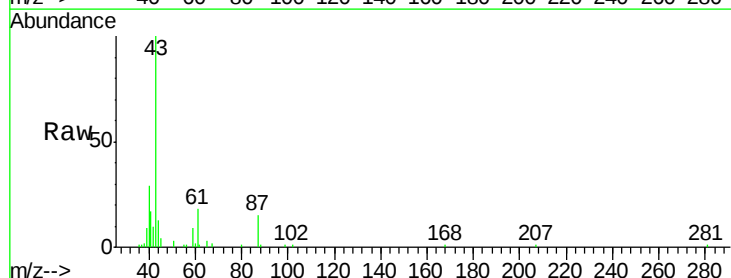
Tgt Ion: 43 Resp: 48162

Ion Ratio Lower Upper

43 100

61 19.5 15.8 23.8

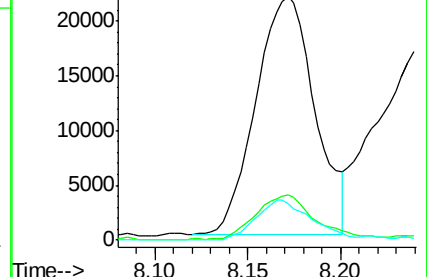
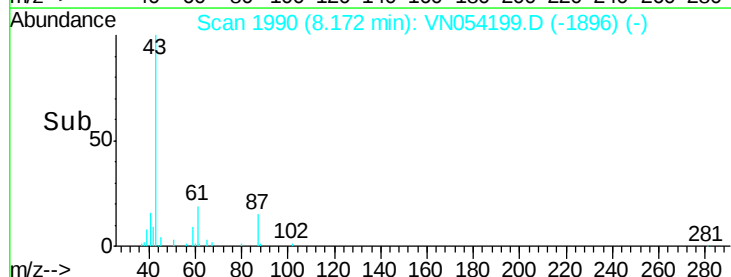
87 15.6 12.0 18.0

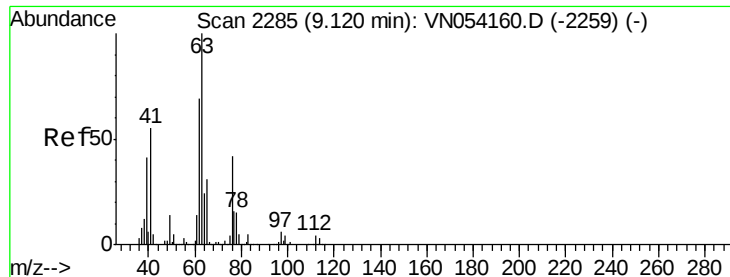


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.279 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

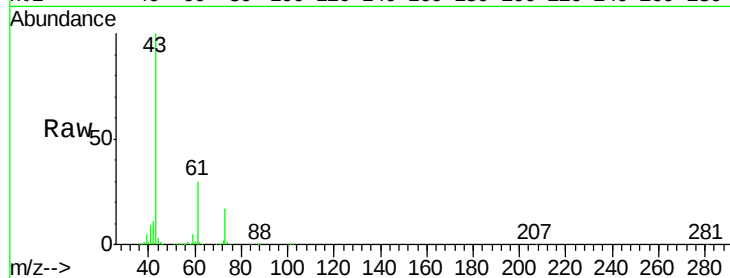
HR-06-031119-A

Tot Ion: 63 Resp: 4329

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

9.27

2000

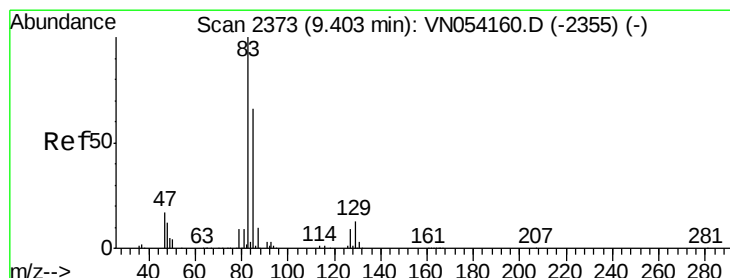
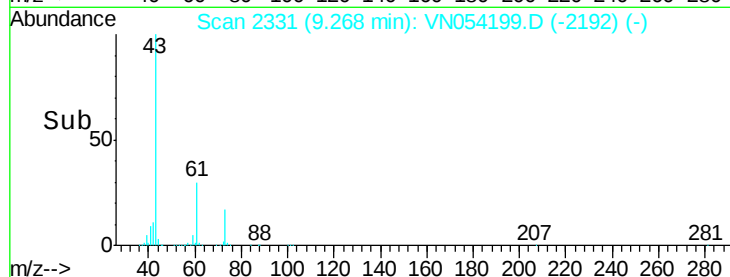
1500

1000

500

0

Time--> 9.20 9.25 9.30



#47

Bromodichloromethane

Concen: 0.208 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

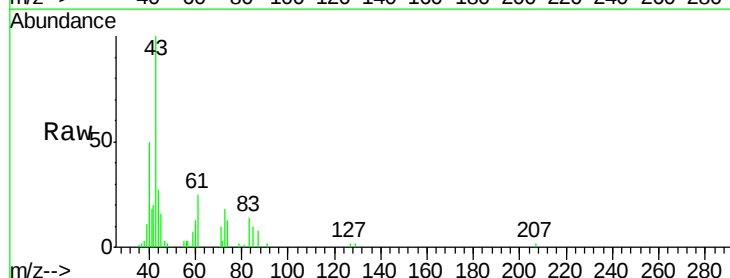
Tgt Ion: 83 Resp: 4366

Ion Ratio Lower Upper

83 100

85 70.8 52.8 79.2

127 11.7 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

9.40

2000

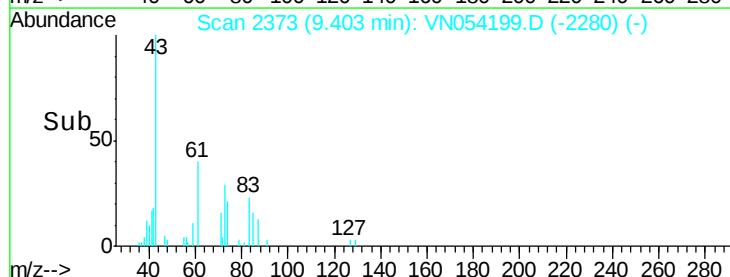
1500

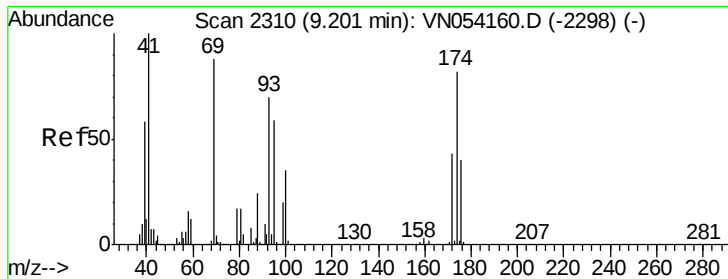
1000

500

0

Time--> 9.35 9.40 9.45

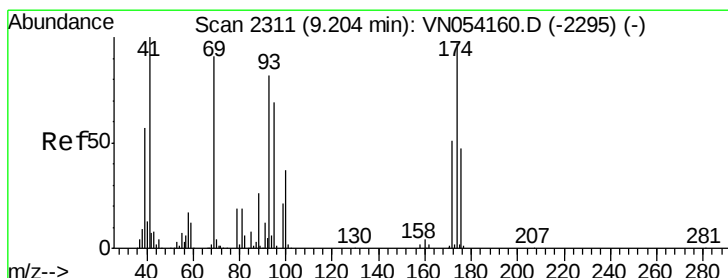
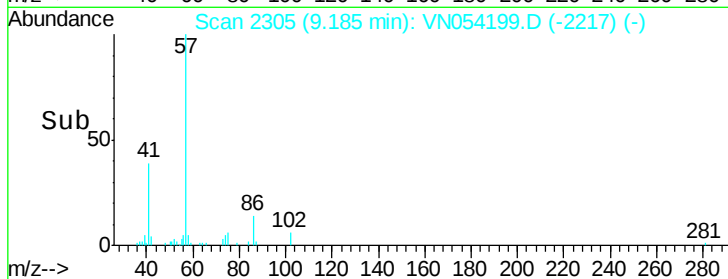
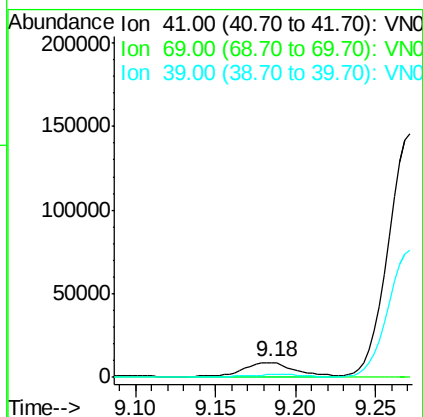
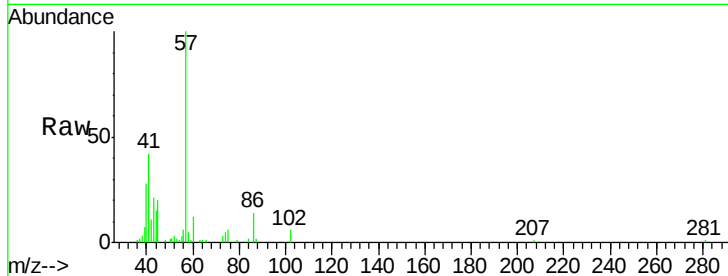




#48
Methvl methacrylate
Concen: 1.579 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

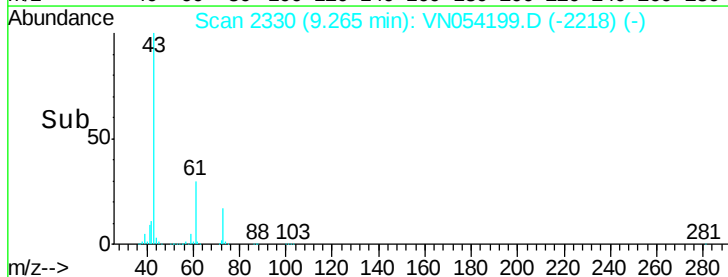
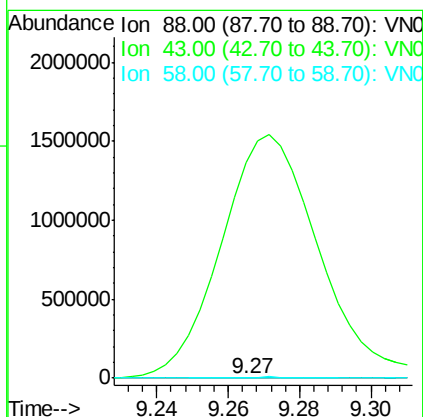
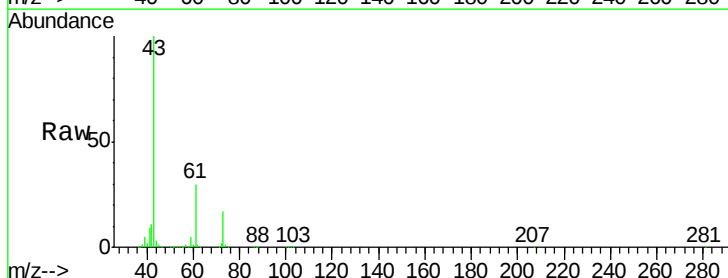
Instrument :
MSVOA_N
ClientSampleId :
HR-06-031119-A

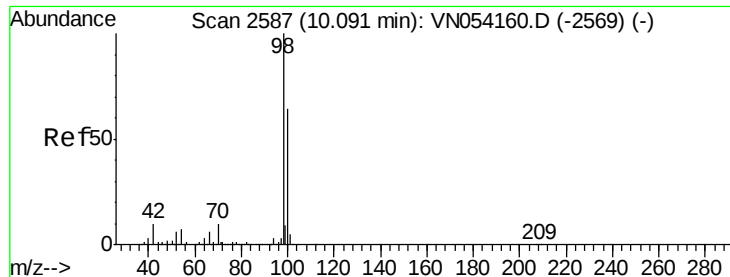
Tot Ion: 41 Resp: 17616
Ion Ratio Lower Upper
41 100
69 0.2 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 3.783 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

Tgt Ion: 88 Resp: 597
Ion Ratio Lower Upper
88 100
43 515914.7 24.1 36.1#
58 2158.3 50.8 76.2#





#50

Toluene-d8

Concen: 52.213 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

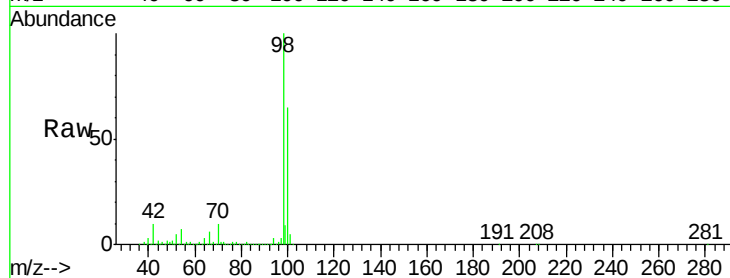
HR-06-031119-A

Tot Ion: 98 Resp: 2943724

Ion Ratio Lower Upper

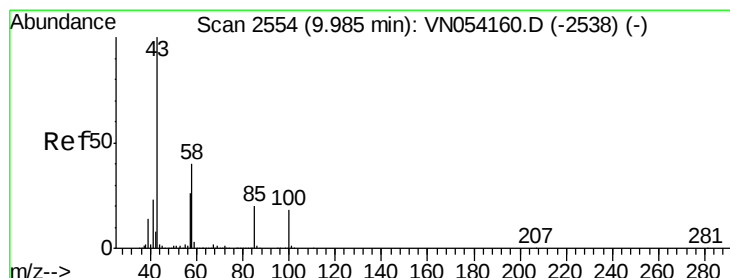
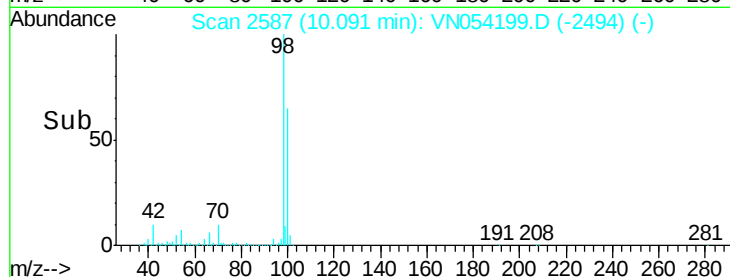
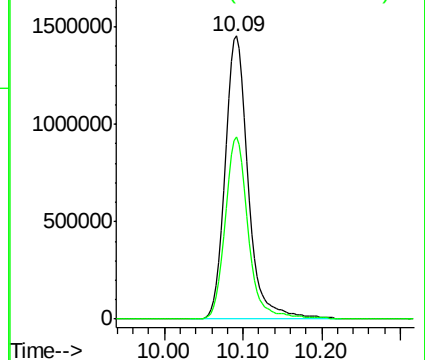
98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.658 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054199.D

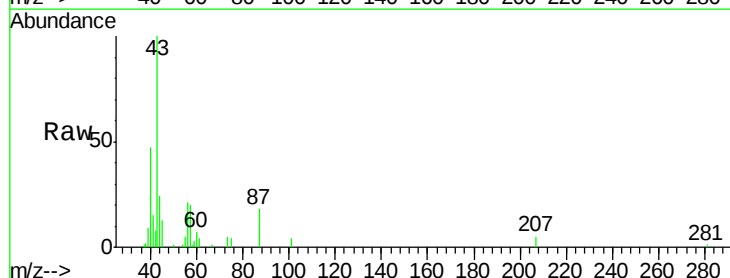
Acq: 13 Mar 2019 7:52

Tgt Ion: 43 Resp: 19292

Ion Ratio Lower Upper

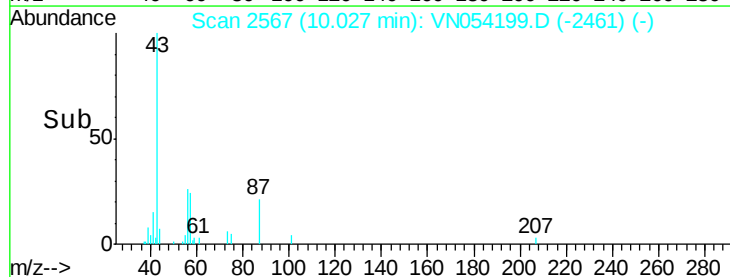
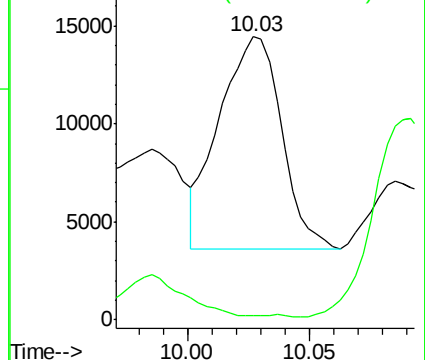
43 100

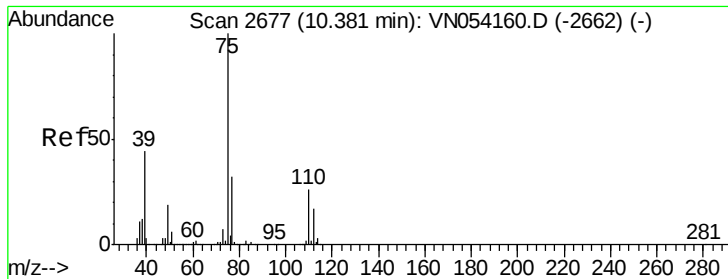
58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)





#53

t-1,3-Dichloropropene

Concen: 2.001 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.01 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

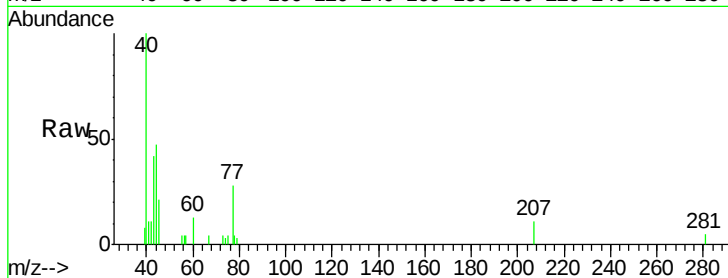
HR-06-031119-A

Tot Ion: 75 Resp: 367

Ion Ratio Lower Upper

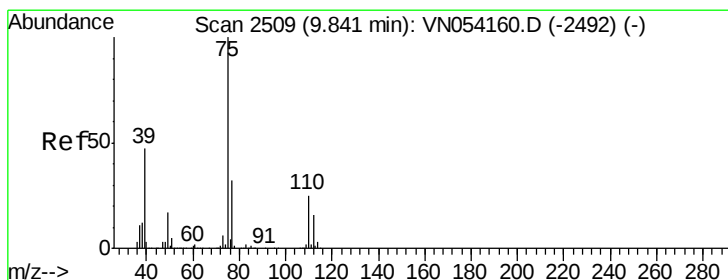
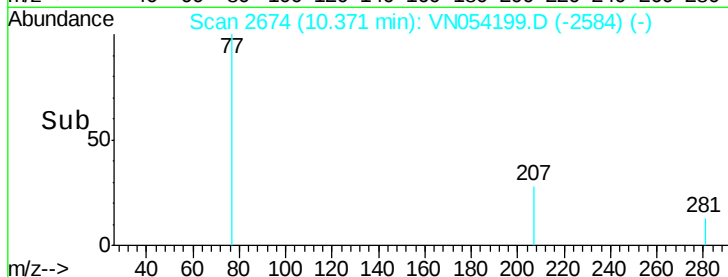
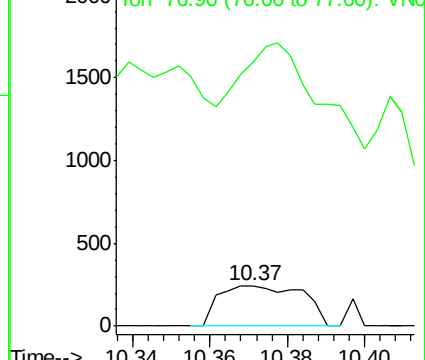
75 100

77 110.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.447 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

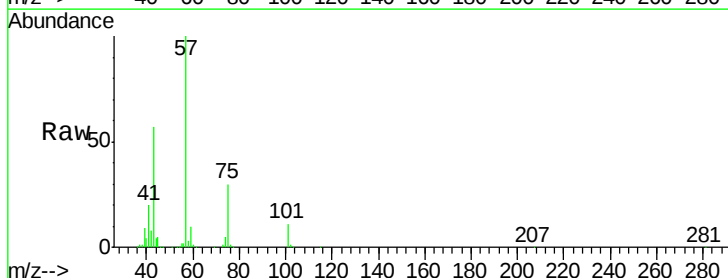
Tgt Ion: 75 Resp: 157610

Ion Ratio Lower Upper

75 100

77 0.7 25.4 38.0#

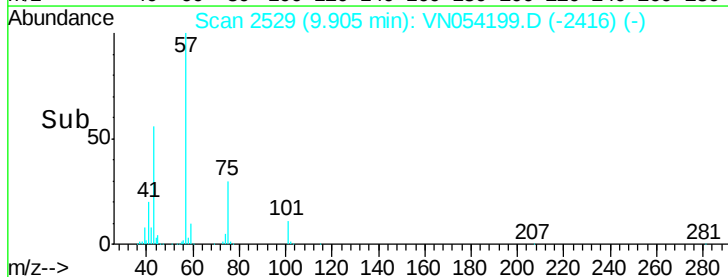
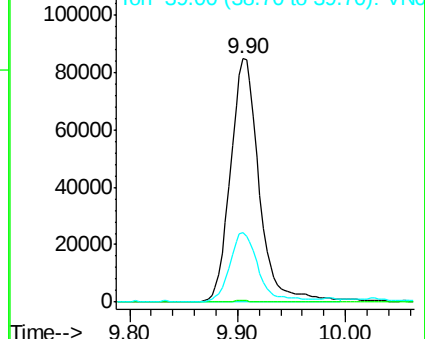
39 28.2 37.2 55.8#

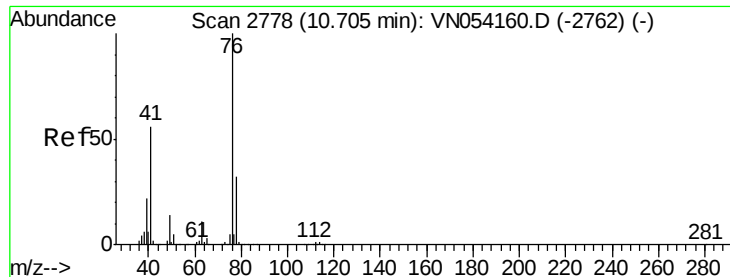


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.281 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

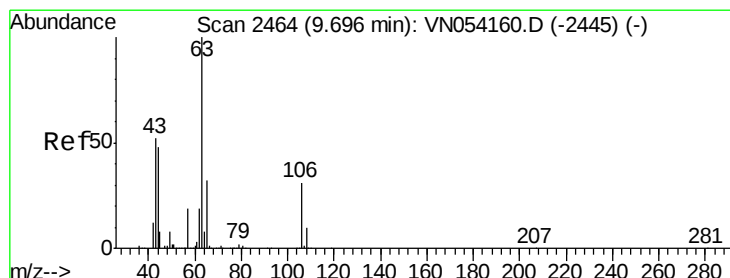
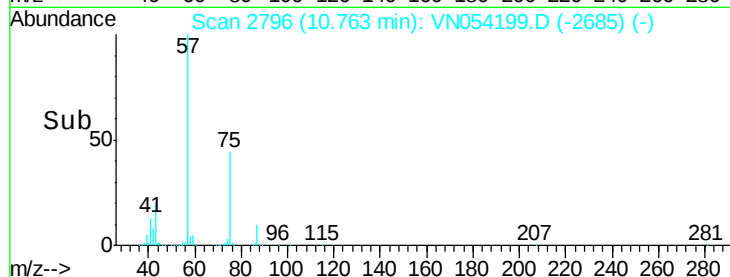
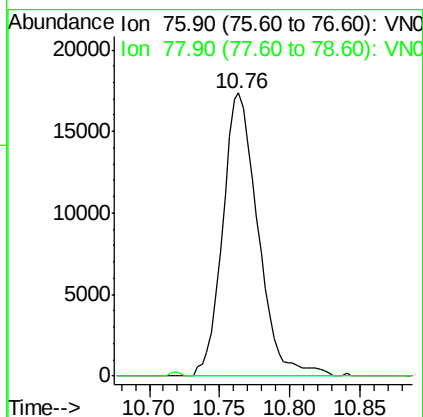
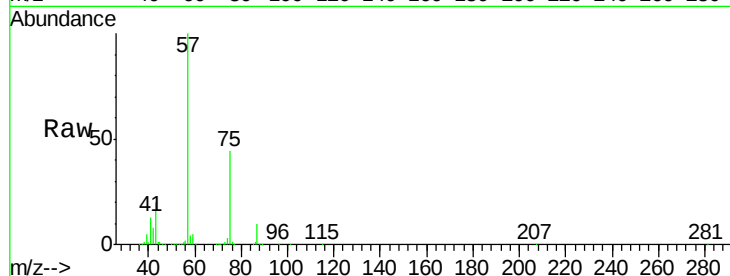
HR-06-031119-A

Tot Ion: 76 Resp: 30251

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 16.832 ug/l

RT: 9.48 min Scan# 2398

Delta R.T. -0.21 min

Lab File: VN054199.D

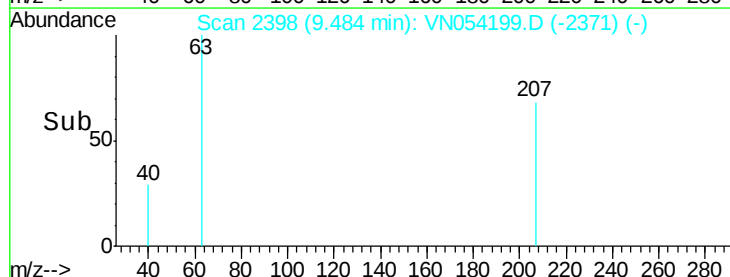
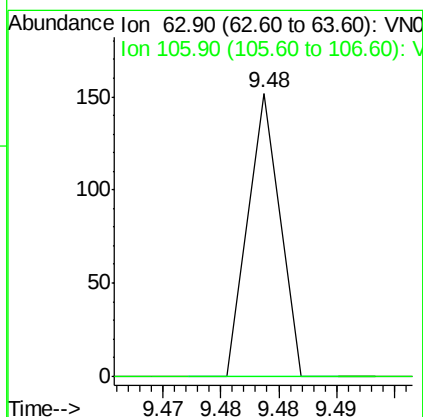
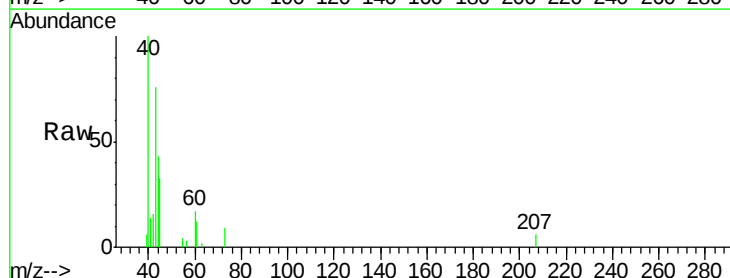
Acq: 13 Mar 2019 7:52

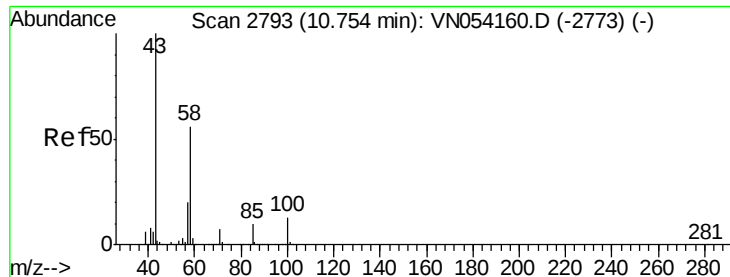
Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#

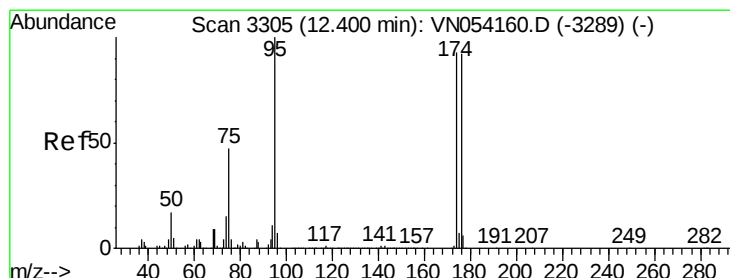
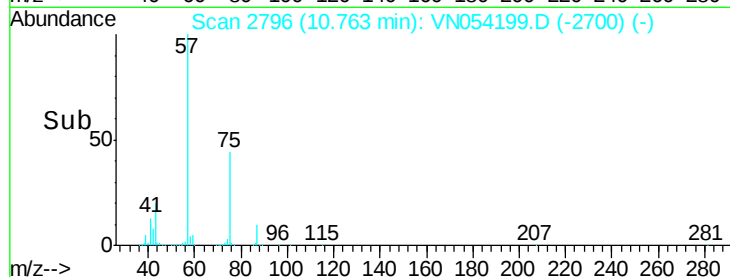
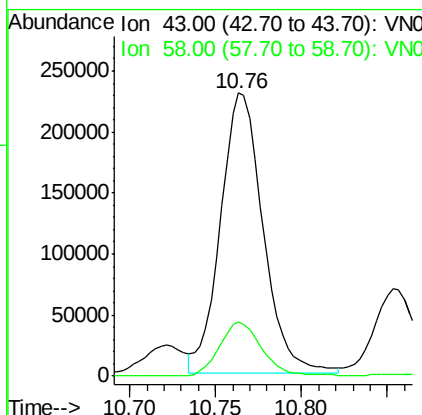
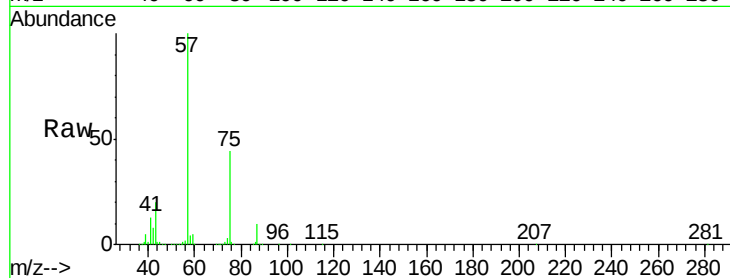




#59
2-Hexanone
Concen: 51.579 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

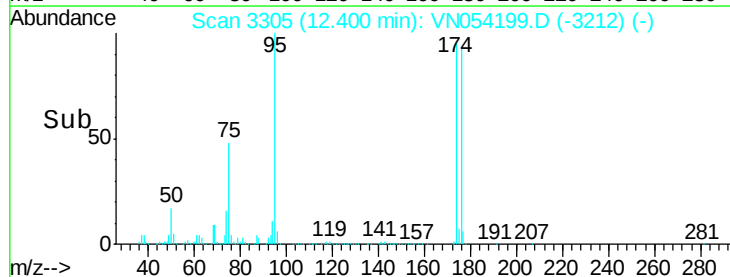
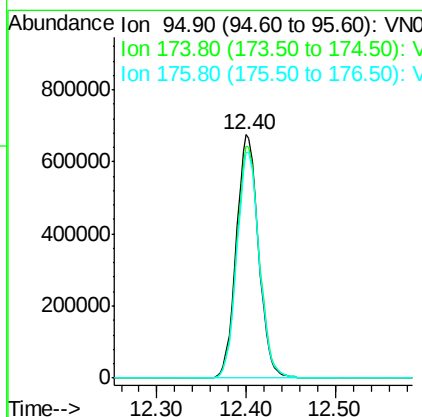
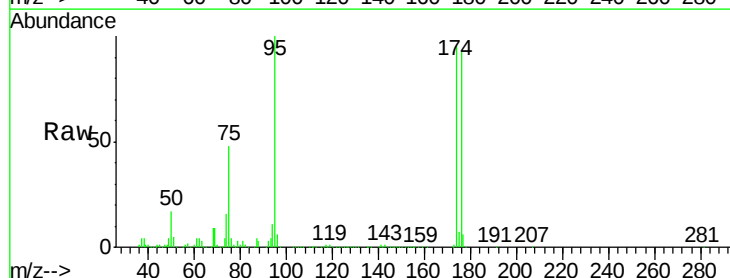
Instrument :
MSVOA_N
ClientSampleId :
HR-06-031119-A

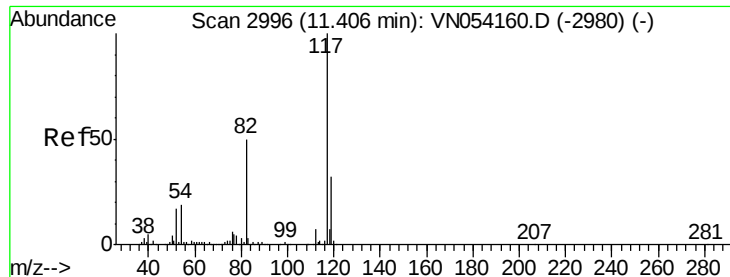
Tot Ion: 43 Resp: 399287
Ion Ratio Lower Upper
43 100
58 19.3 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 58.890 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

Tgt Ion: 95 Resp: 1161732
Ion Ratio Lower Upper
95 100
174 96.7 0.0 191.0
176 93.6 0.0 187.4

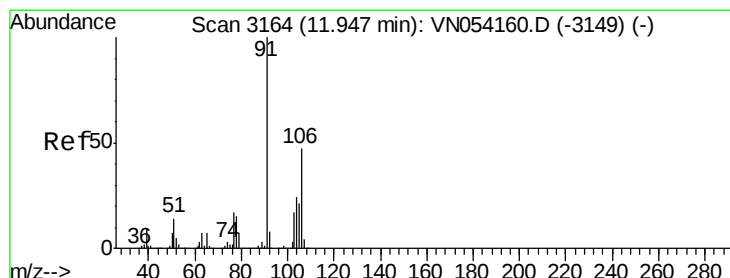
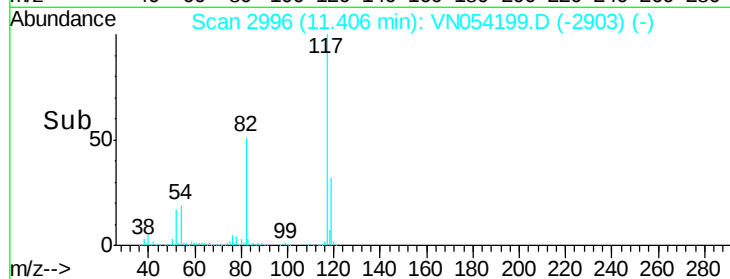
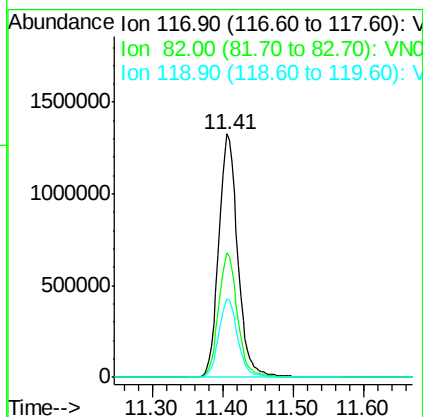
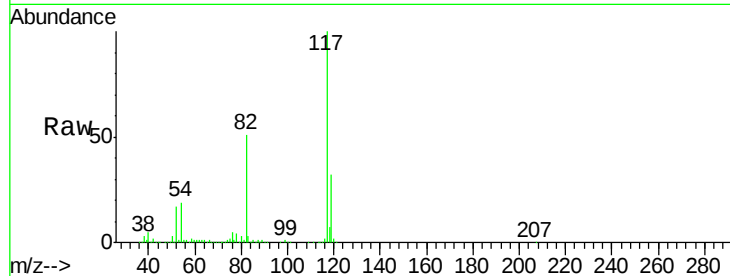




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

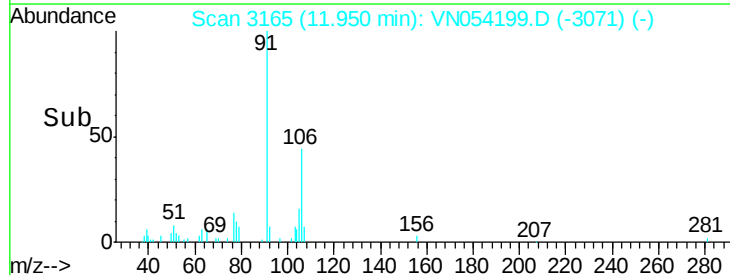
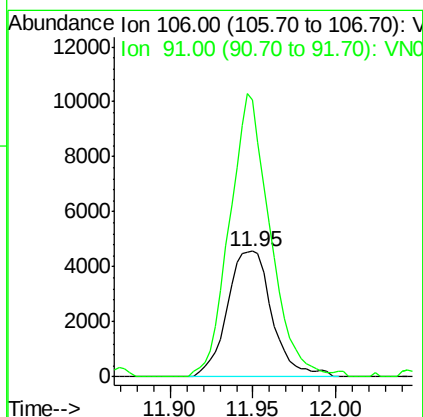
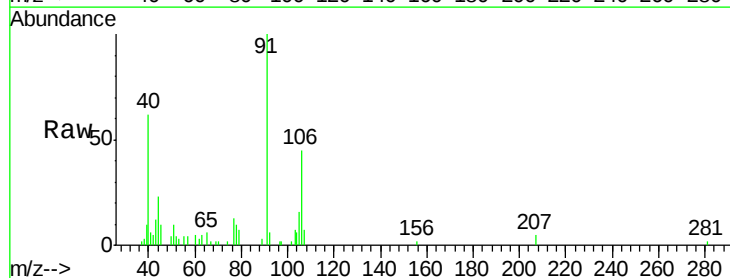
Instrument :
MSVOA_N
ClientSampleId :
HR-06-031119-A

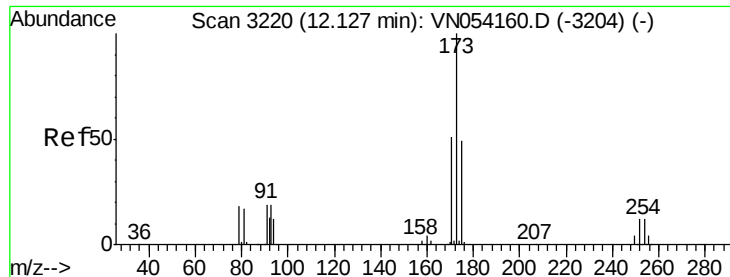
Tot Ion:117 Resp: 2488877
Ion Ratio Lower Upper
117 100
82 51.1 40.0 60.0
119 32.3 25.8 38.6



#69
o-Xylene
Concen: 0.248 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054199.D
Acq: 13 Mar 2019 7:52

Tgt Ion:106 Resp: 8543
Ion Ratio Lower Upper
106 100
91 204.5 105.7 317.1





#71

Bromoform

Concen: 2.781 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-A

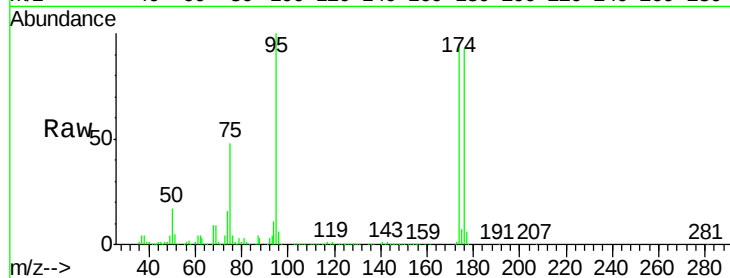
Tot Ion:173 Resp: 6829

Ion Ratio Lower Upper

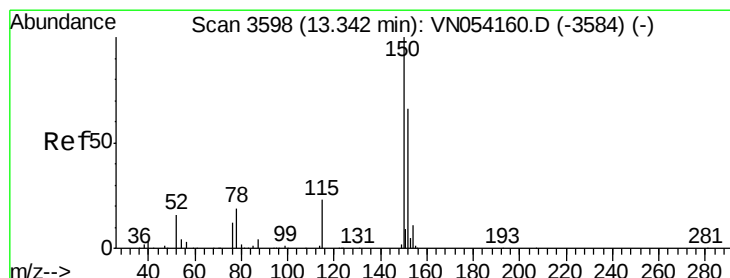
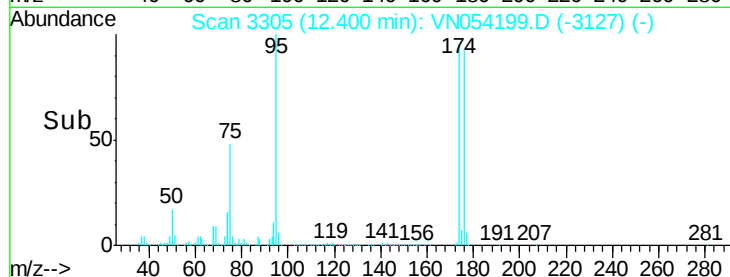
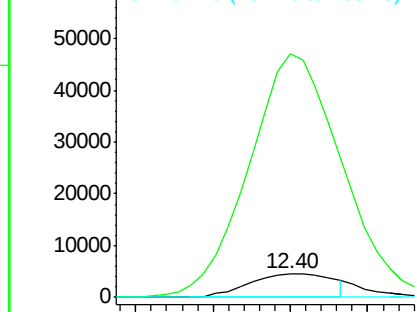
173 100

175 999.3 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: VN054199.D

Acq: 13 Mar 2019 7:52

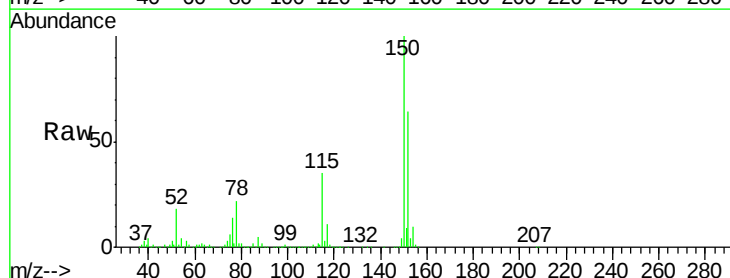
Tgt Ion:152 Resp: 1153578

Ion Ratio Lower Upper

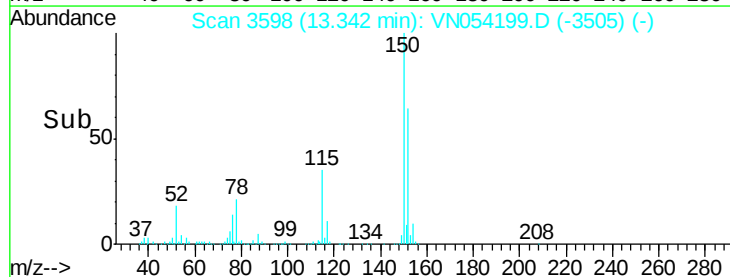
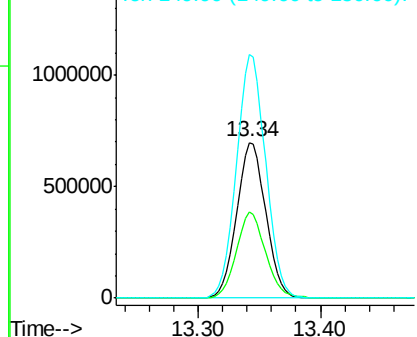
152 100

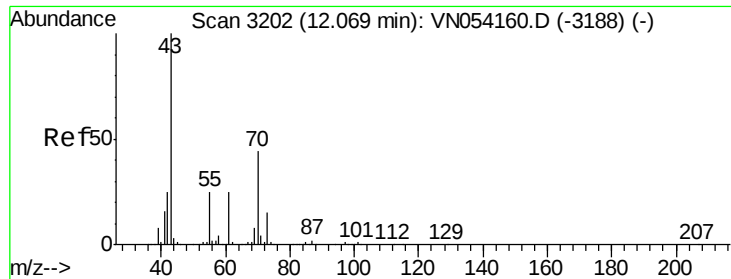
115 55.6 27.2 81.6

150 156.9 0.0 349.2



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





#74

N-amvl acetate

Concen: 2.123 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-A

Tot Ion: 43 Resp: 43485

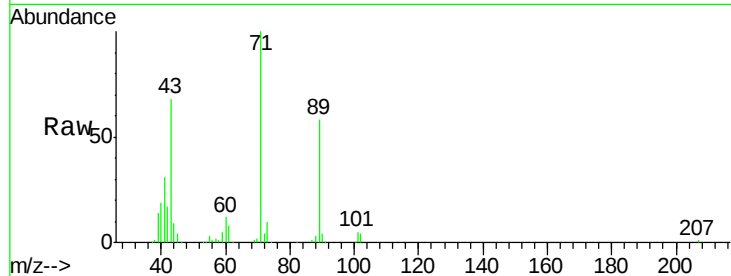
Ion Ratio Lower Upper

43 100

70 2.2 35.4 53.0#

55 2.2 19.8 29.6#

61 11.3 19.8 29.6#



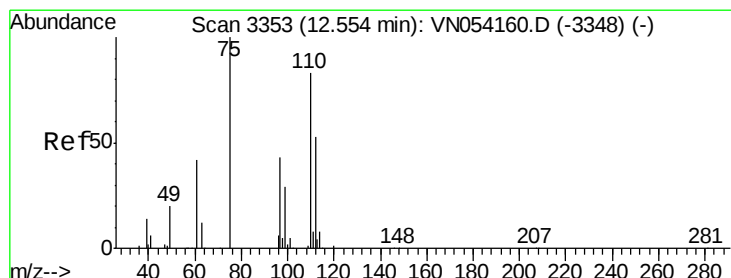
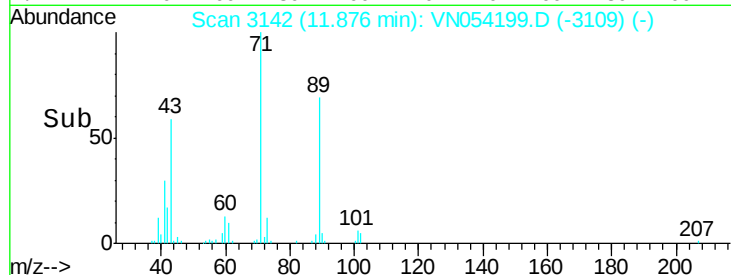
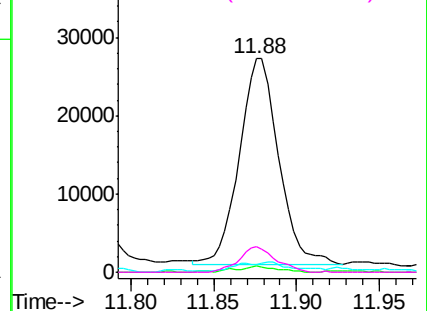
Abundance

Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 32.858 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054199.D

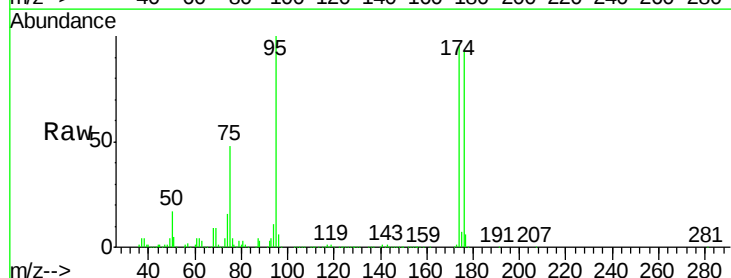
Acq: 13 Mar 2019 7:52

Tgt Ion: 75 Resp: 557405

Ion Ratio Lower Upper

75 100

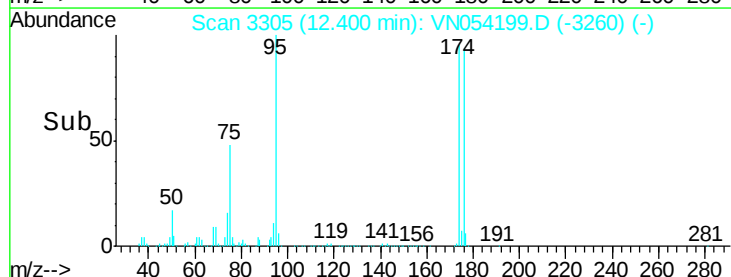
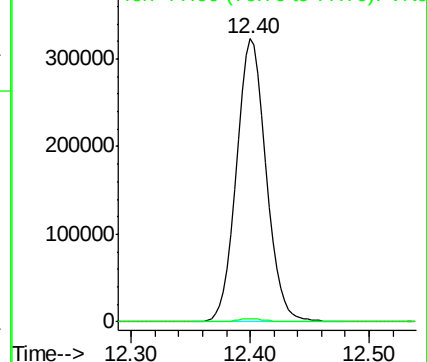
77 1.2 0.0 0.0#

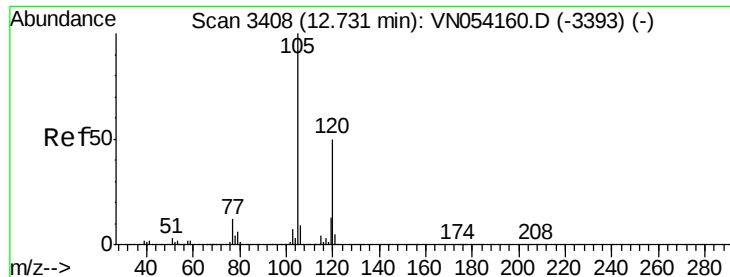


Abundance

Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#80

1,3,5-Trimethylbenzene

Concen: 1.597 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

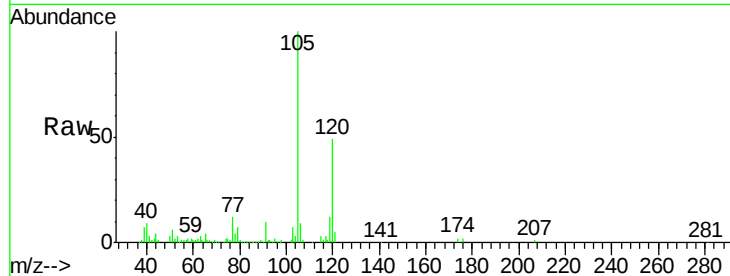
HR-06-031119-A

Tot Ion:105 Resp: 122581

Ion Ratio Lower Upper

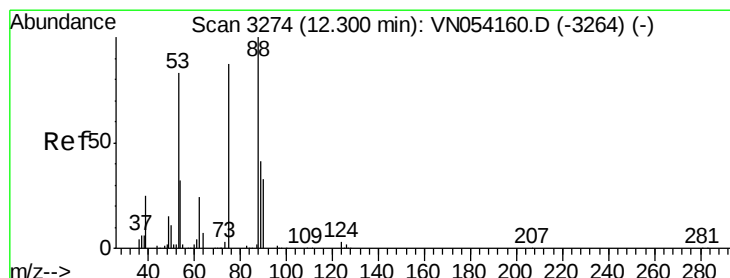
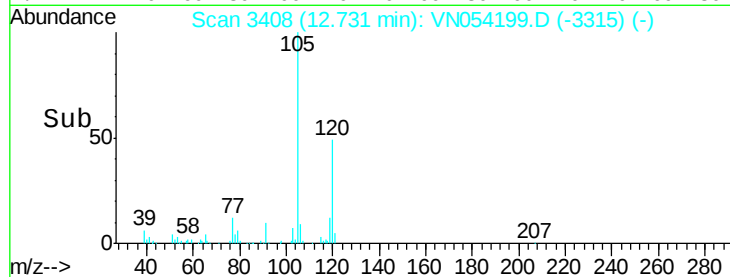
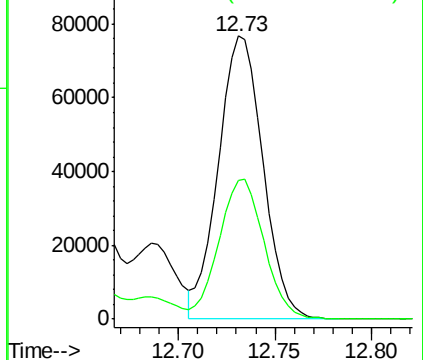
105 100

120 50.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 112.324 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

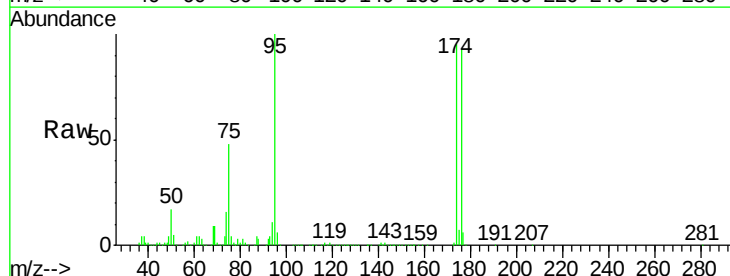
Tgt Ion: 75 Resp: 557405

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

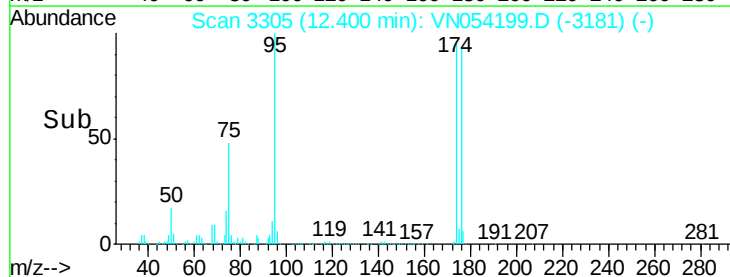
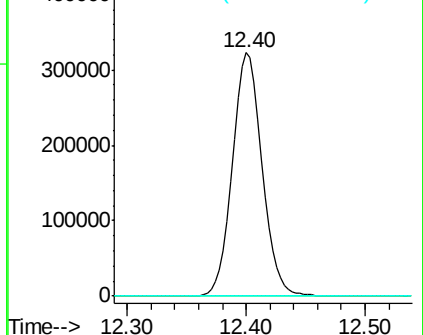
89 0.0 39.2 58.8#

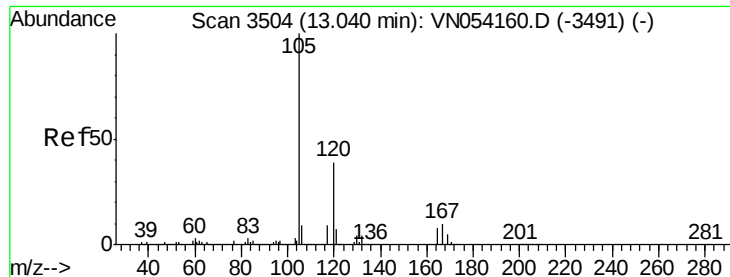


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 2.339 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

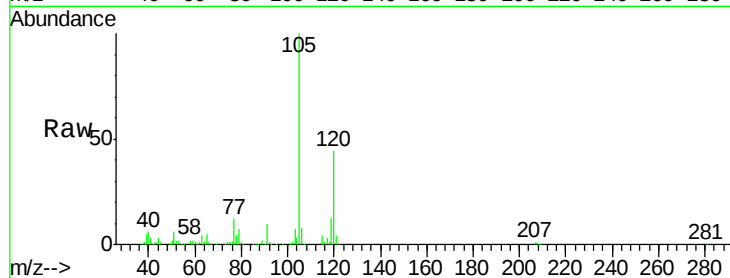
HR-06-031119-A

Tot Ion:105 Resp: 176186

Ion Ratio Lower Upper

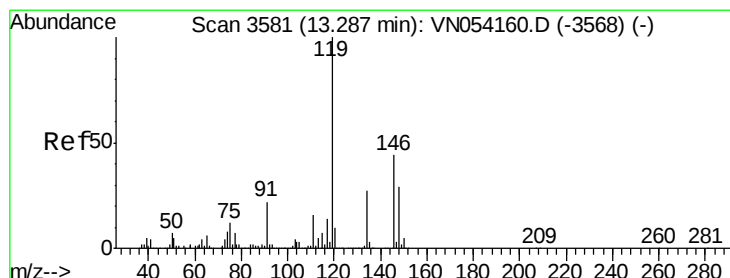
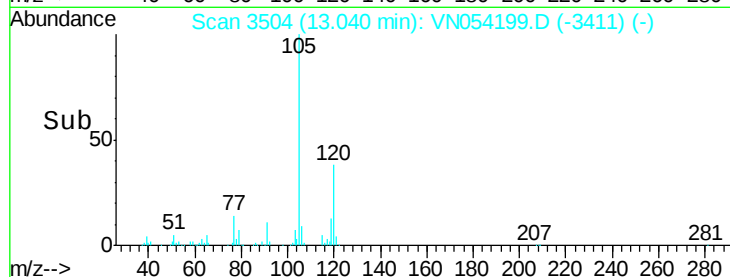
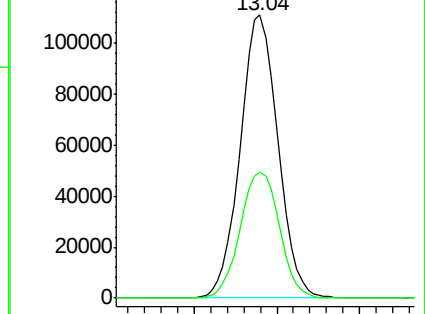
105 100

120 46.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.257 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

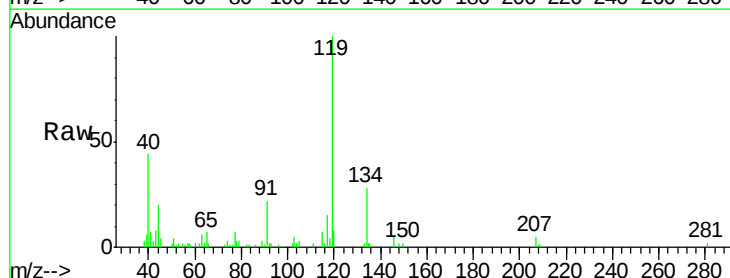
Tgt Ion:119 Resp: 20674

Ion Ratio Lower Upper

119 100

134 29.7 13.6 40.8

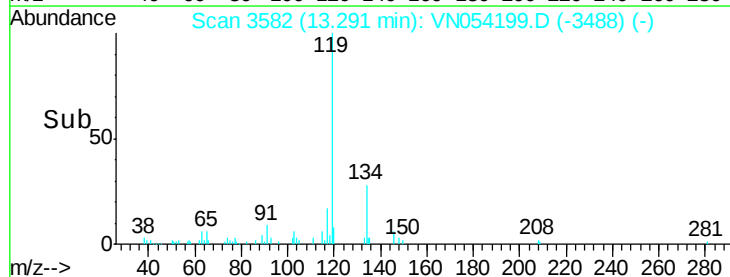
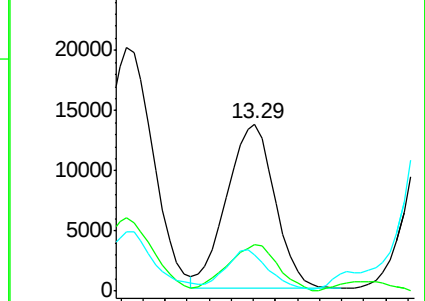
91 20.5 11.1 33.3

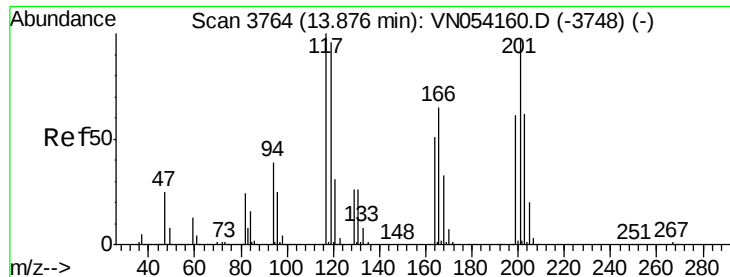


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 0.567 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

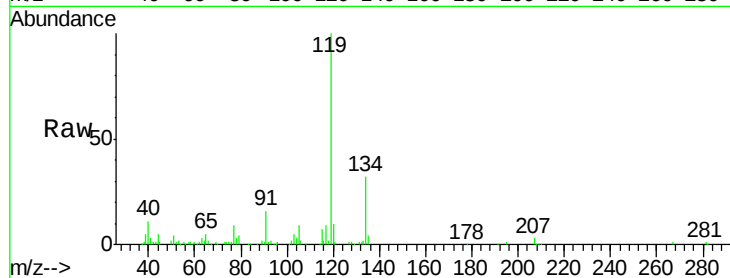
HR-06-031119-A

Tot Ion:117 Resp: 7545

Ion Ratio Lower Upper

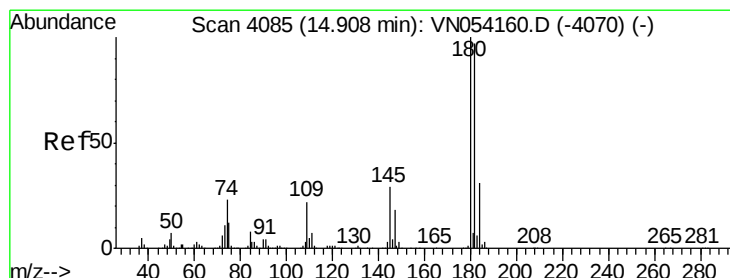
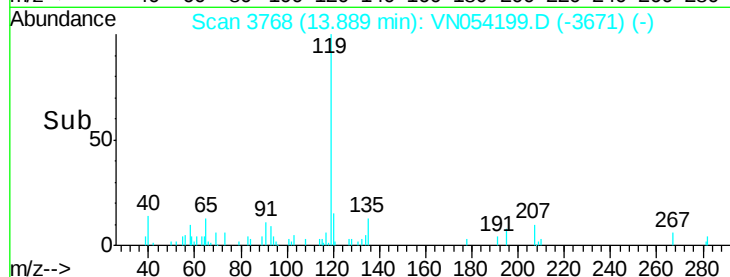
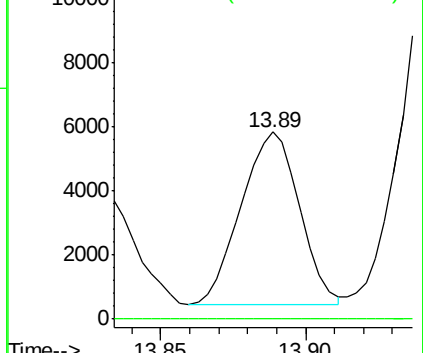
117 100

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



#93

1,2,4-Trichlorobenzene

Concen: 2.538 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

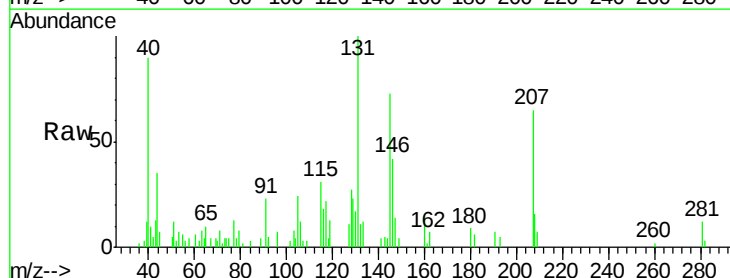
Tgt Ion:180 Resp: 555

Ion Ratio Lower Upper

180 100

182 151.5 48.0 144.2#

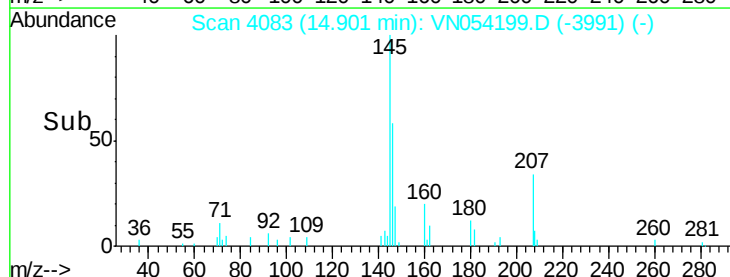
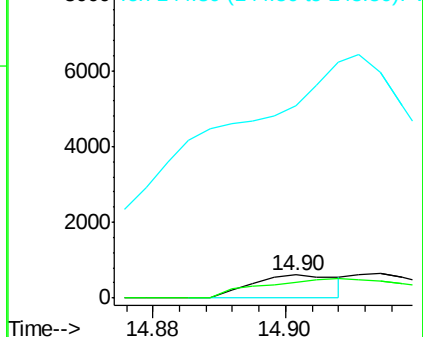
145 2872.8 14.2 42.8#

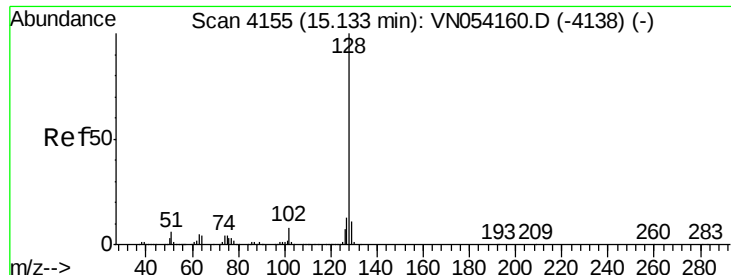


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.381 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054199.D

Acq: 13 Mar 2019 7:52

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-A

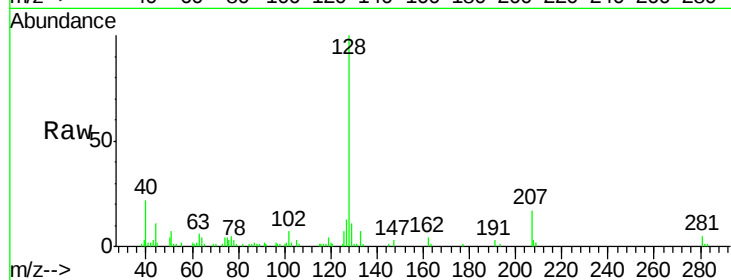
Tot Ion:128 Resp: 49570

Ion Ratio Lower Upper

128 100

127 11.8 10.1 15.1

129 8.4 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

