

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059226.D
 Acq On : 14 Nov 2019 12:25
 Operator : JC/SP
 Sample : K5668-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-111319

Quant Time: Nov 15 06:28:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	656852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	203992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	268086	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	7.57	113	207276	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
50) Toluene-d8	10.08	98	819533	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	249988	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

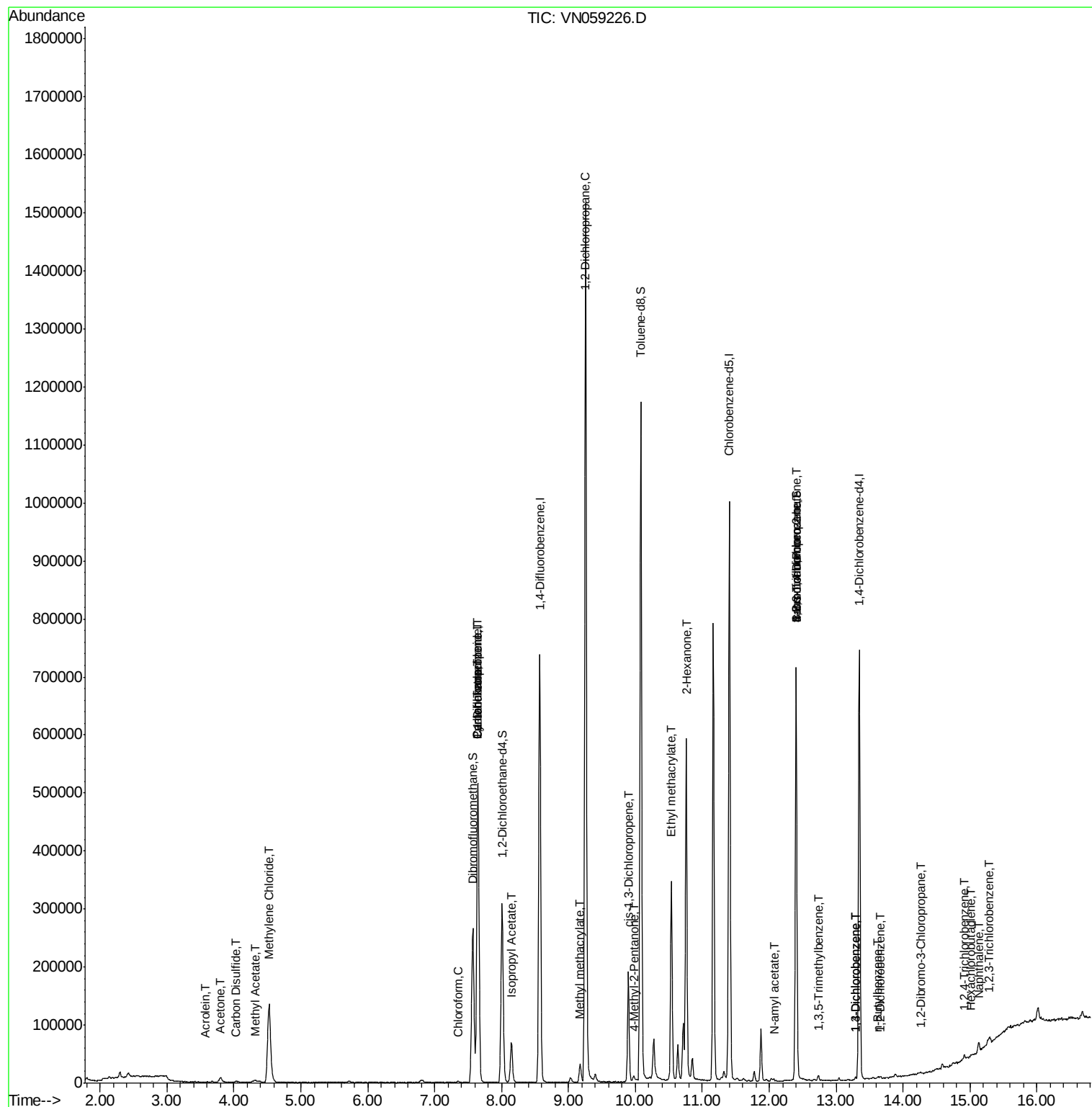
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	231	0.453	ug/l #	74
16) Acetone	3.80	43	14779	5.471	ug/l	96
17) Carbon Disulfide	4.02	76	3141	0.257	ug/l #	75
18) Methyl Acetate	4.31	43	4735	0.739	ug/l #	87
20) Methylene Chloride	4.53	84	108619	23.082	ug/l	97
30) Chloroform	7.35	83	2772	0.338	ug/l	98
31) Cyclohexane	7.64	56	8988	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32271	5.256	ug/l #	50
38) Carbon Tetrachloride	7.65	117	39757	6.506	ug/l #	17
43) Isopropyl Acetate	8.15	43	81660	7.499	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	1798	0.358	ug/l #	44
48) Methyl methacrylate	9.17	41	5373	1.103	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	5850	0.949	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	32980	4.247	ug/l #	66
56) Ethyl methacrylate	10.54	69	1466	2.062	ug/l #	1
59) 2-Hexanone	10.76	43	86375	18.265	ug/l #	54
71) Bromoform	12.40	173	1513	0.451	ug/l #	1
74) N-amyl acetate	12.06	43	1660	0.264	ug/l #	68
76) 1,2,3-Trichloropropane	12.40	75	126466	27.231	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4583	0.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	126466	71.924	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	1292	0.202	ug/l	87
88) 1,4-Dichlorobenzene	13.29	146	1292	0.202	ug/l	87
89) n-Butylbenzene	13.62	91	2588	0.237	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	1445	0.230	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	252	0.276	ug/l #	17
93) 1,2,4-Trichlorobenzene	14.91	180	2706	3.713	ug/l	85
94) Hexachlorobutadiene	15.01	225	622	0.287	ug/l #	77
95) Naphthalene	15.13	128	12159	4.125	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	3422	0.972	ug/l	96

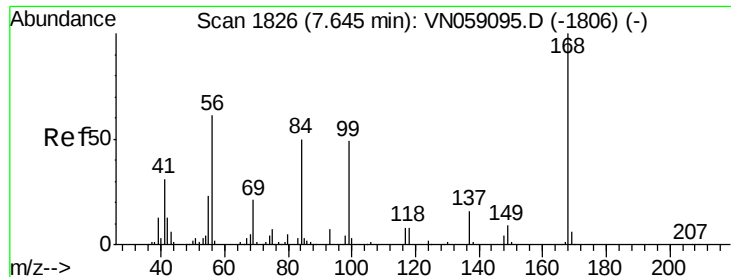
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

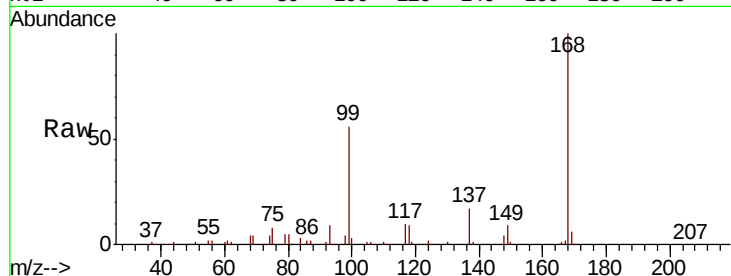
HD-02-111319

Tot Ion:168 Resp: 422555

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

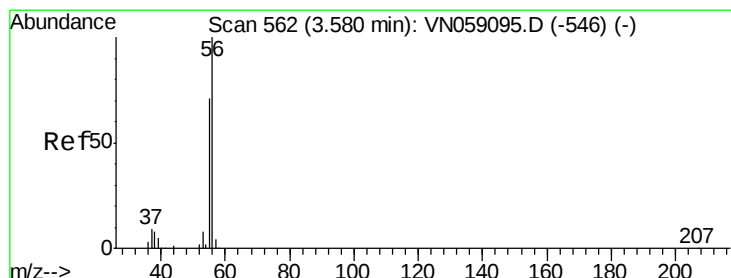
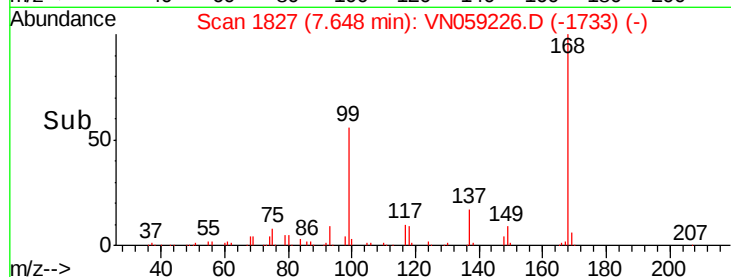
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.453 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059226.D

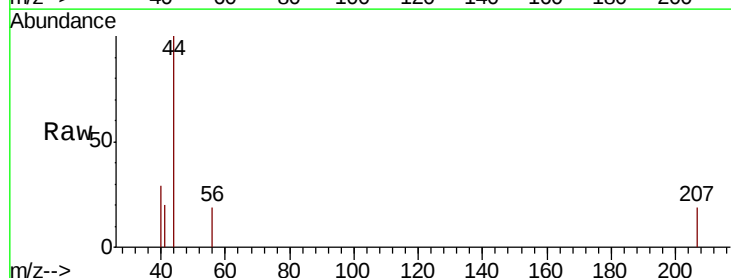
Acq: 14 Nov 2019 12:25

Tgt Ion: 56 Resp: 231

Ion Ratio Lower Upper

56 100

55 48.9 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.59

250

200

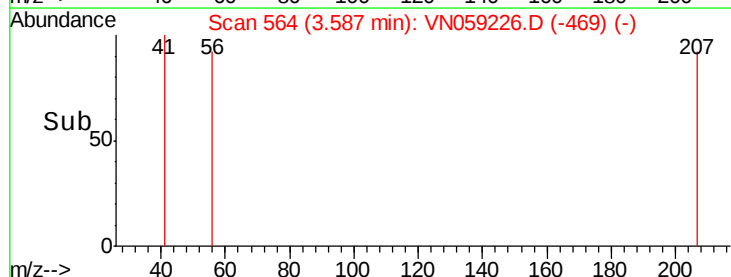
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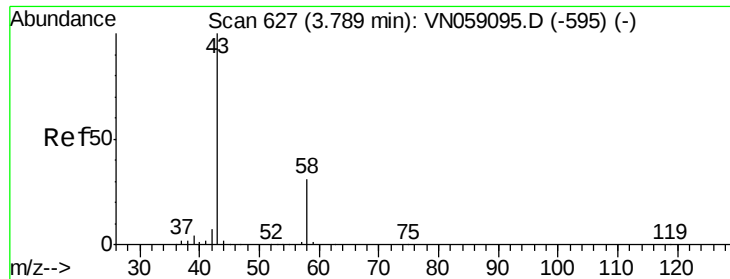
100

50

0

Time-->





#16

Acetone

Concen: 5.471 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

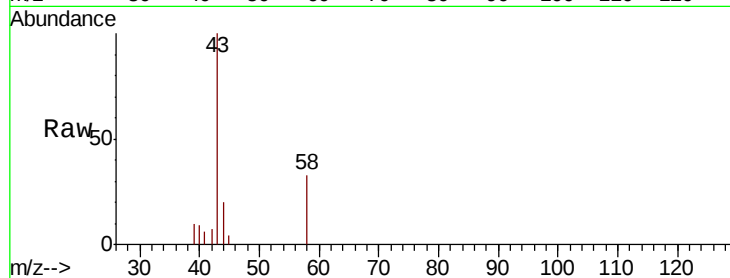
HD-02-111319

Tot Ion: 43 Resp: 14779

Ion Ratio Lower Upper

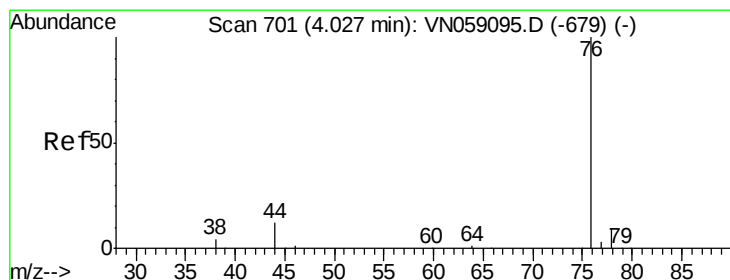
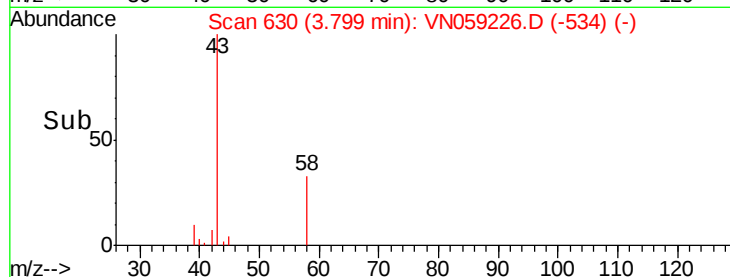
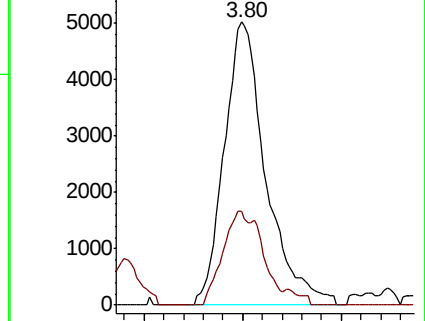
43 100

58 33.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-595) (-)



#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059226.D

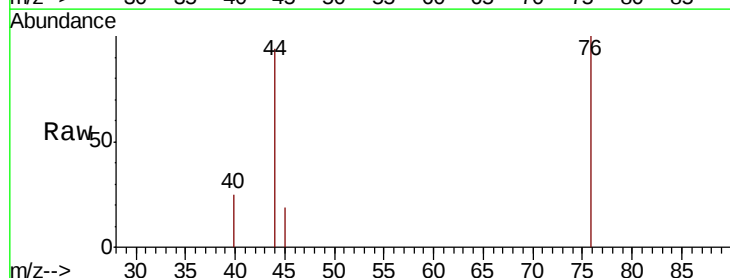
Acq: 14 Nov 2019 12:25

Tgt Ion: 76 Resp: 3141

Ion Ratio Lower Upper

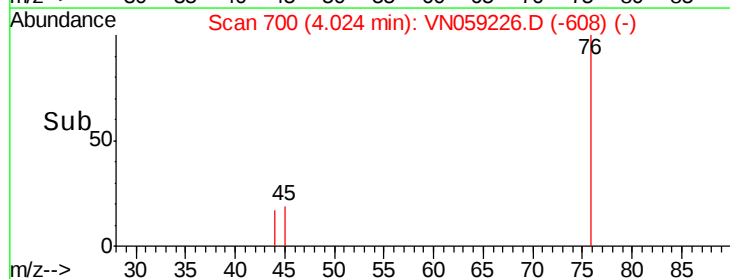
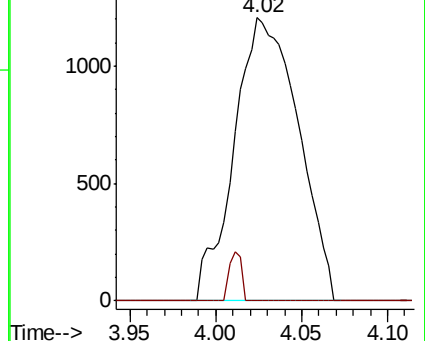
76 100

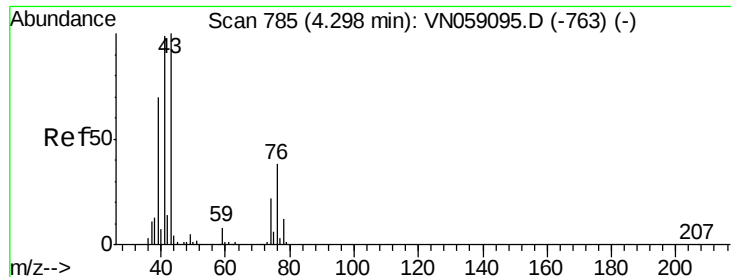
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN059095.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059095.D (-679) (-)

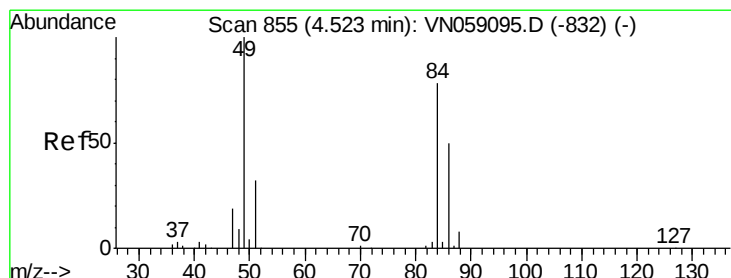
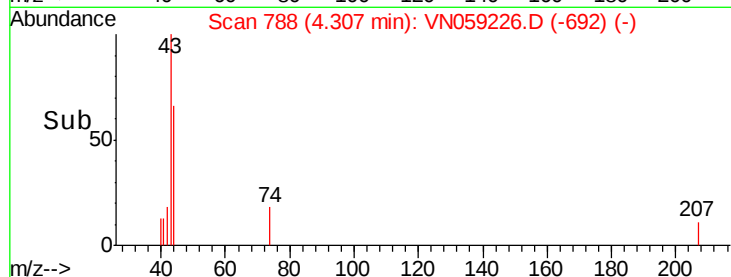
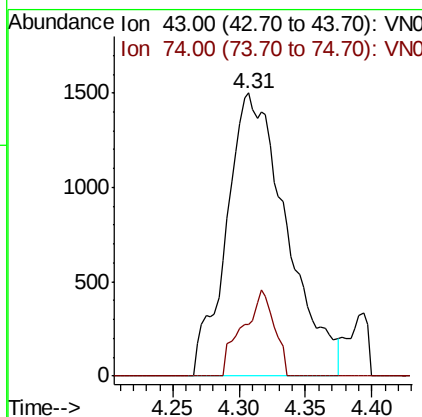
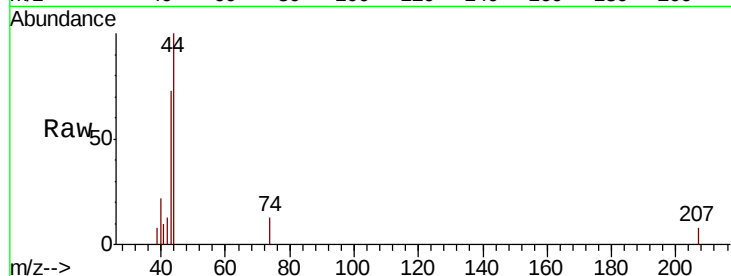




#18
Methyl Acetate
Concen: 0.739 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

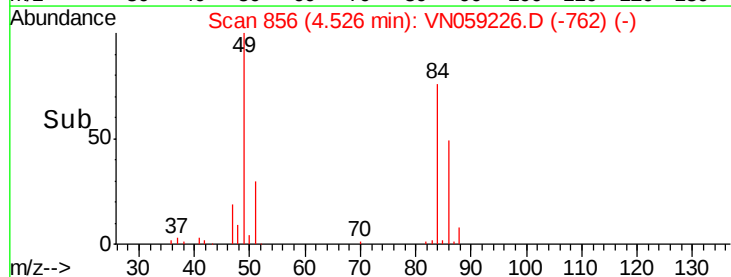
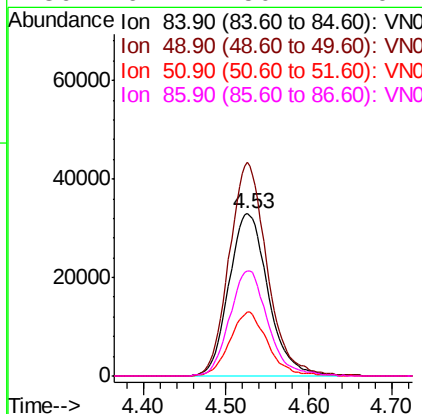
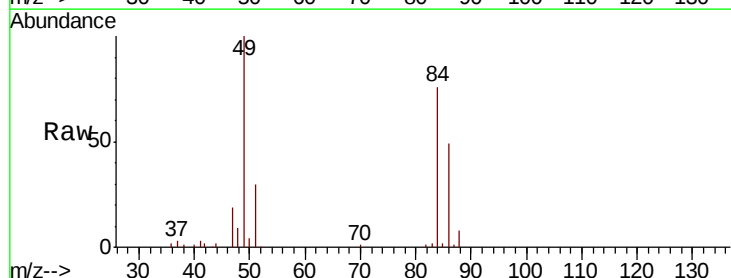
Instrument :
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HD-02-111319

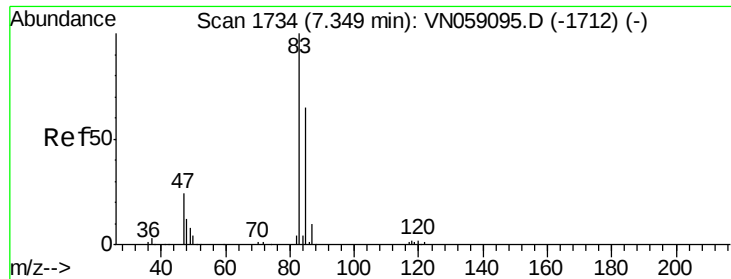
Tot Ion: 43 Resp: 4735
Ion Ratio Lower Upper
43 100
74 15.9 17.8 26.8#



#20
Methylene Chloride
Concen: 23.082 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

Tgt Ion: 84 Resp: 108619
Ion Ratio Lower Upper
84 100
49 131.5 102.0 153.0
51 39.3 32.2 48.2
86 64.4 50.7 76.1

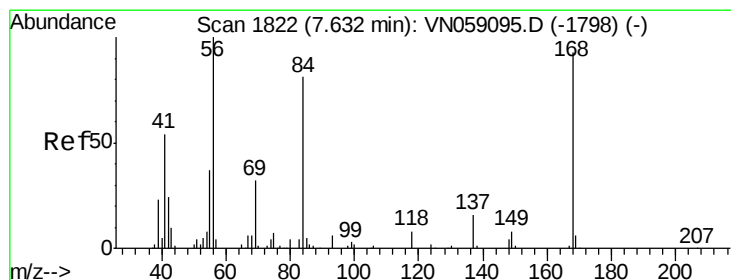
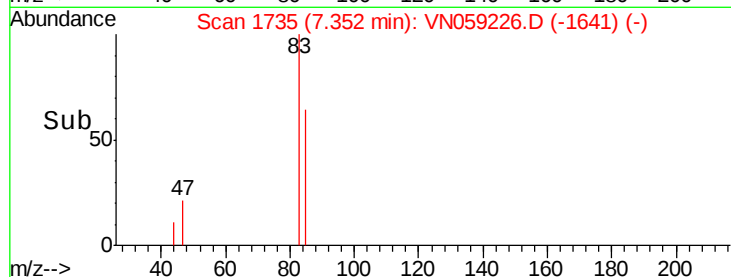
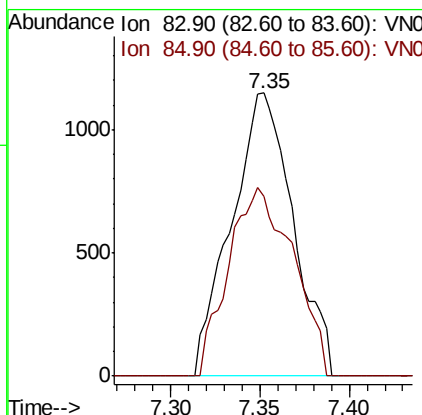
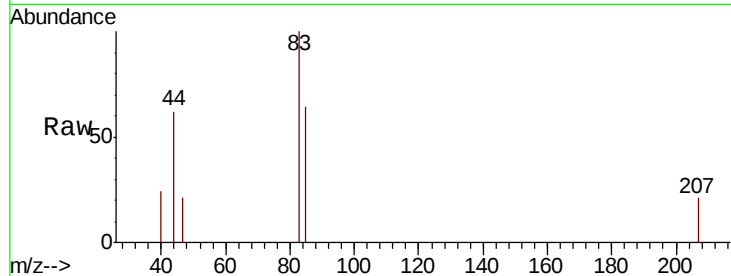




#30
Chloroform
Concen: 0.338 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

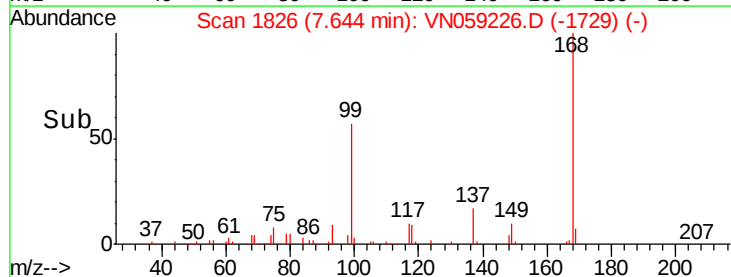
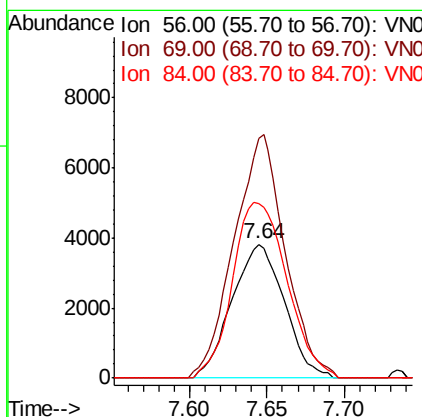
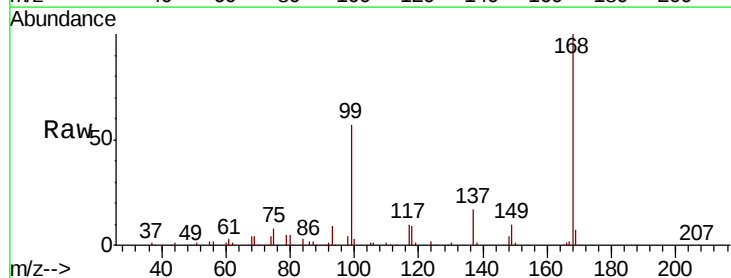
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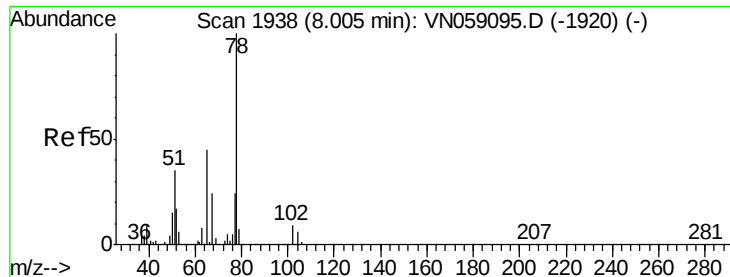
Tot Ion: 83 Resp: 2772
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.8



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

Tgt Ion: 56 Resp: 8988
Ion Ratio Lower Upper
56 100
69 180.0 25.8 38.8#
84 130.2 65.0 97.4#

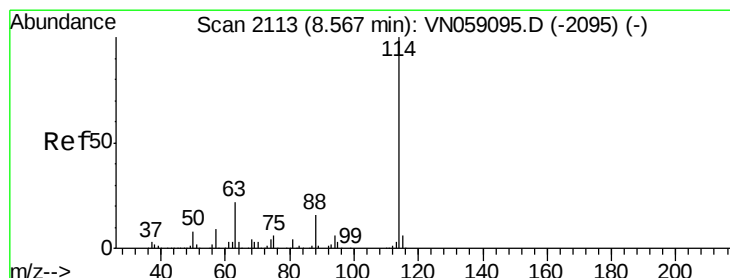
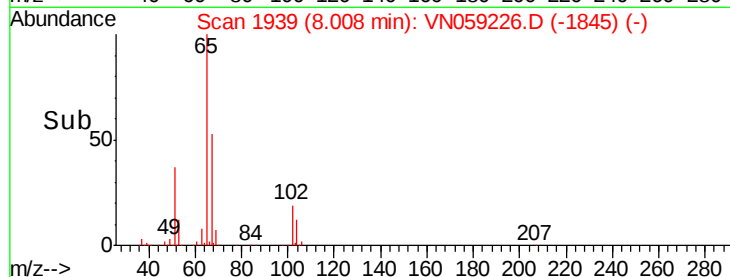
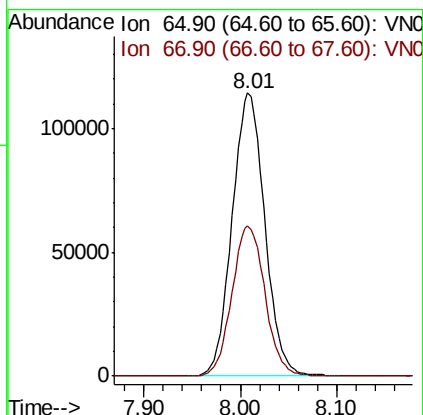
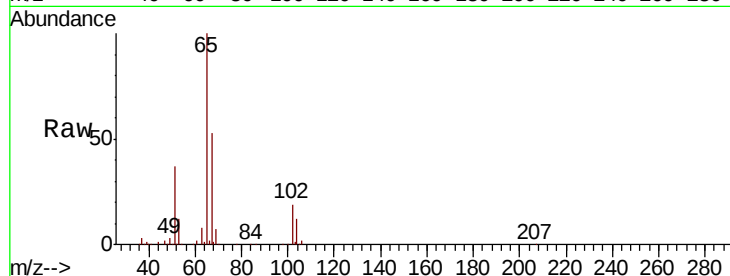




#33
 1,2-Dichloroethane-d4
 Concen: 51.612 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

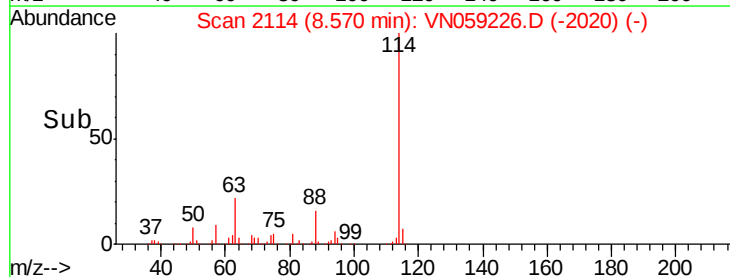
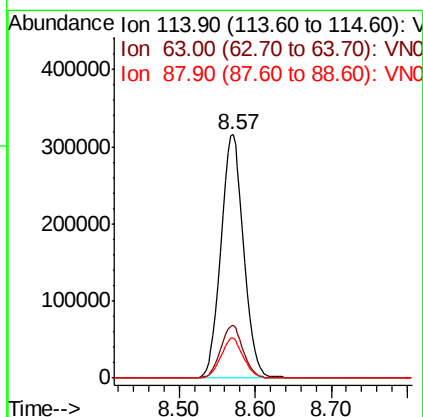
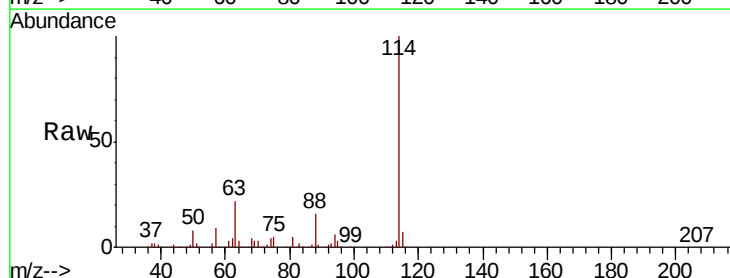
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 ClientSampled :
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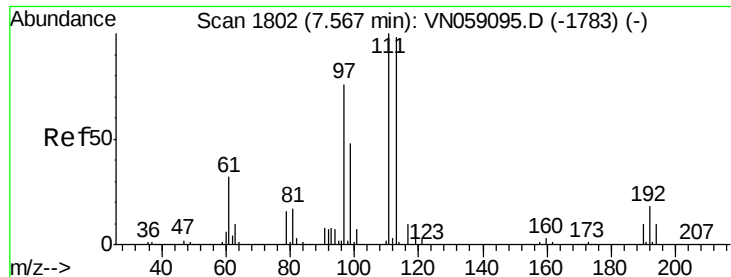
Tot Ion: 65 Resp: 268086
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

Tgt Ion: 114 Resp: 656852
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.4 0.0 32.2

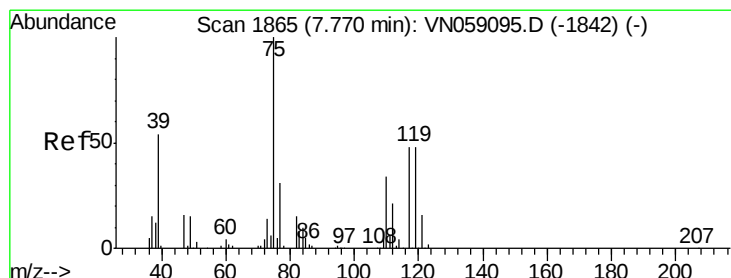
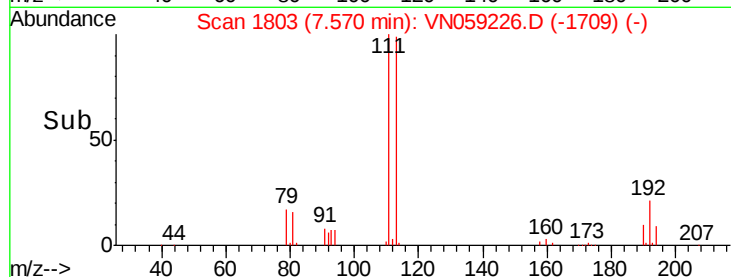
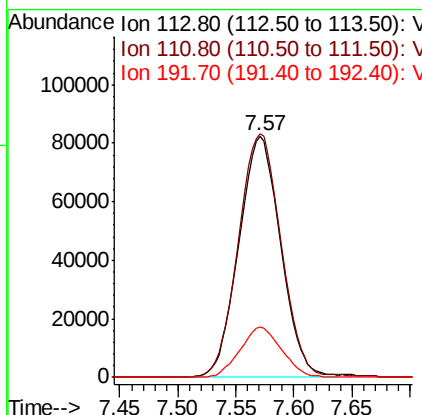
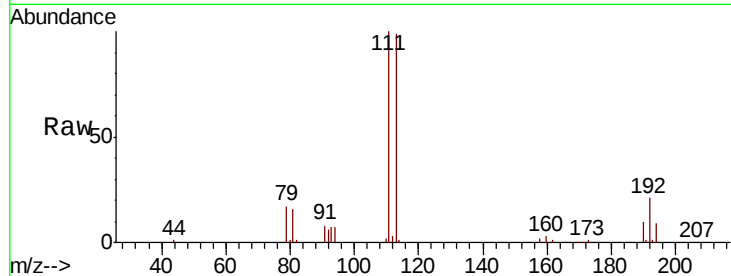




#35
 Dibromofluoromethane
 Concen: 52.849 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

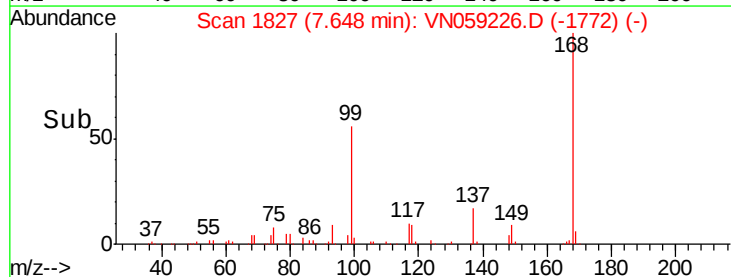
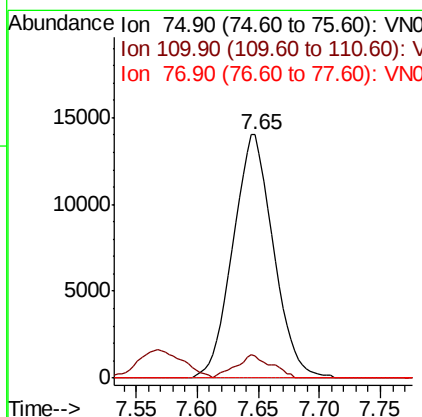
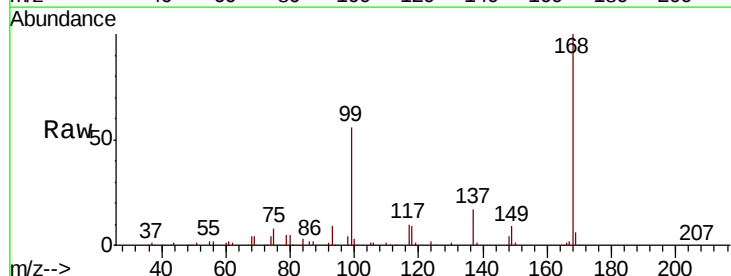
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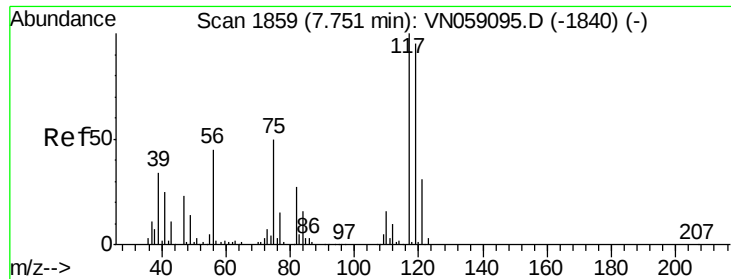
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	20.6	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.256 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.1	51.2#
77	0.0	24.8	37.2#

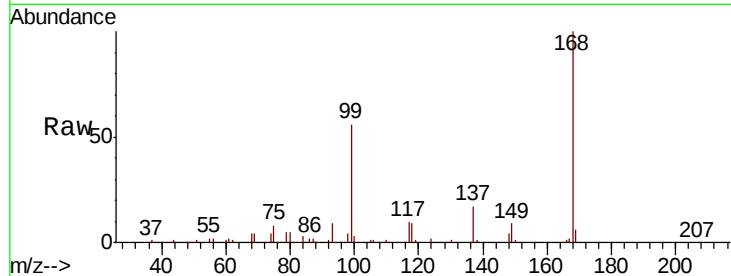




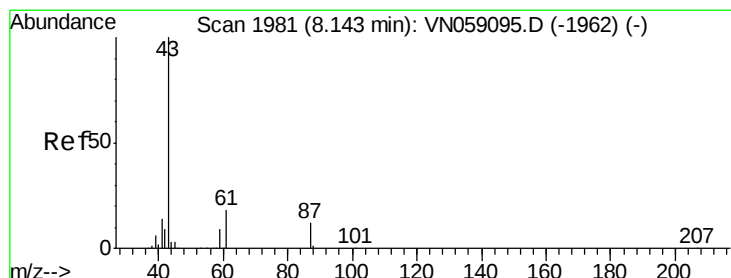
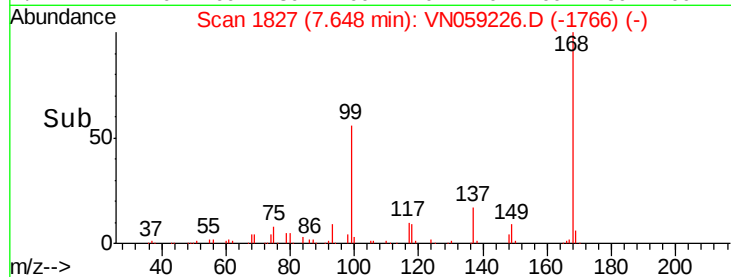
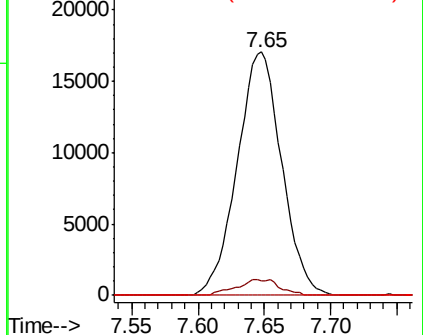
#38
Carbon Tetrachloride
Concen: 6.506 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.10 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
HD-02-111319

Tot Ion:117 Resp: 39757
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 24.6 36.8#

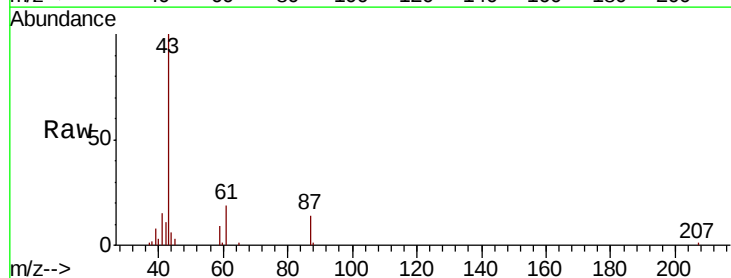


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

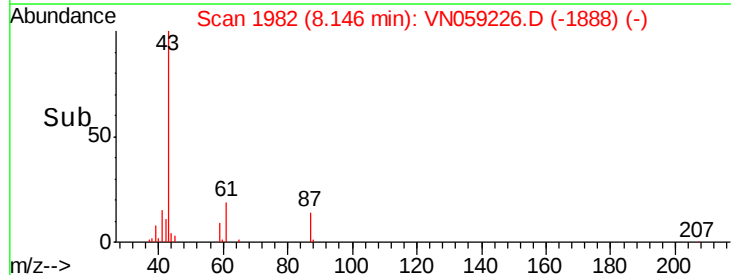
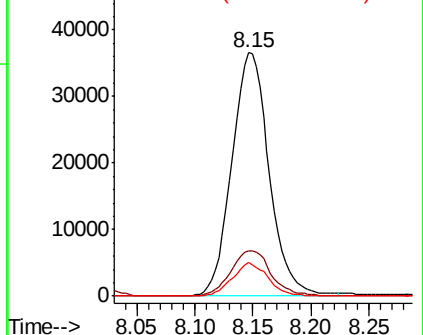


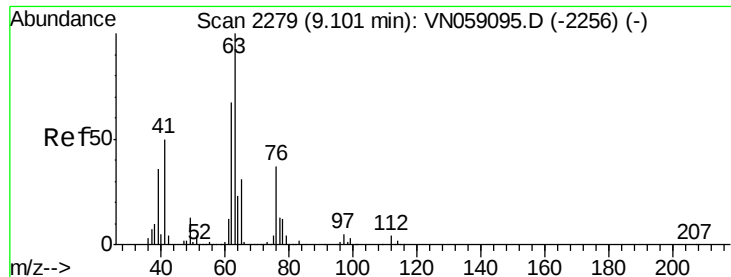
#43
Isopropyl Acetate
Concen: 7.499 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

Tgt Ion: 43 Resp: 81660
Ion Ratio Lower Upper
43 100
61 20.0 21.0 31.6#
87 12.9 9.8 14.6



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





#45

1,2-Dichloropropane

Concen: 0.358 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

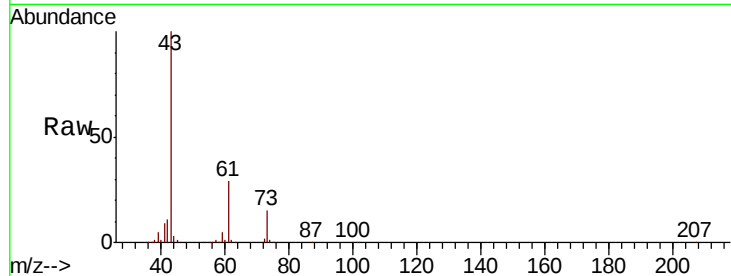
HD-02-111319

Tot Ion: 63 Resp: 1798

Ion Ratio Lower Upper

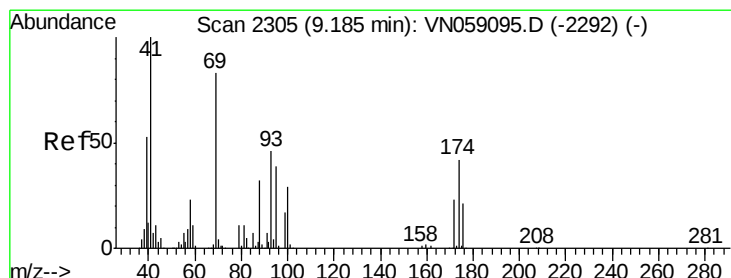
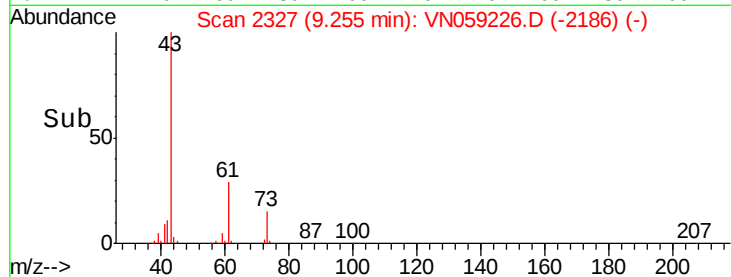
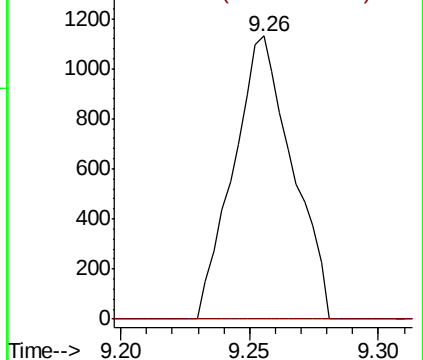
63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.103 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.01 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

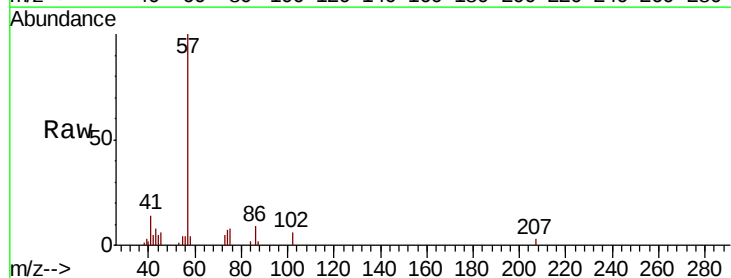
Tgt Ion: 41 Resp: 5373

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

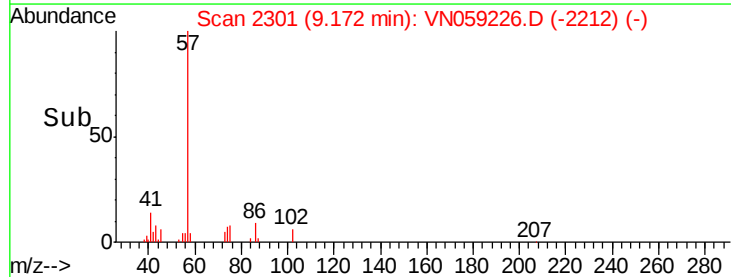
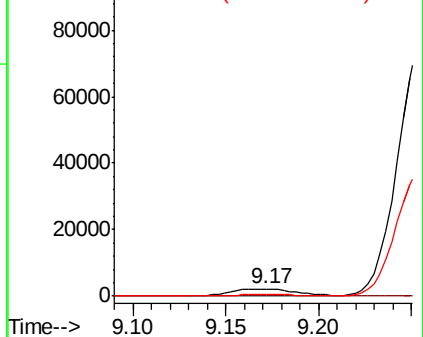
39 0.0 43.3 64.9#

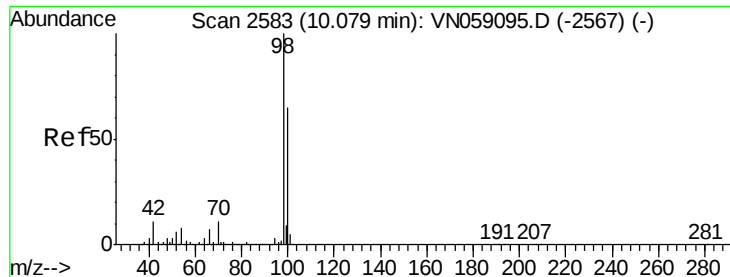


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 53.049 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

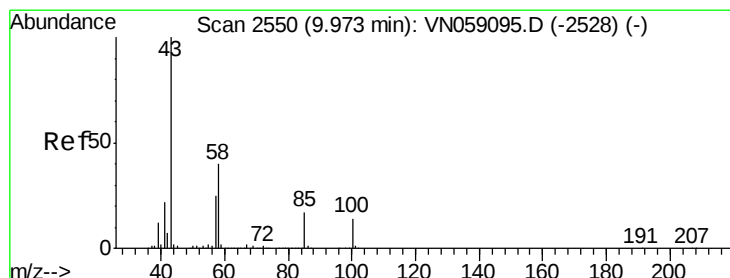
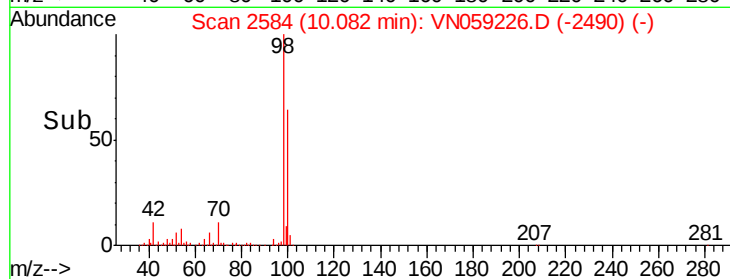
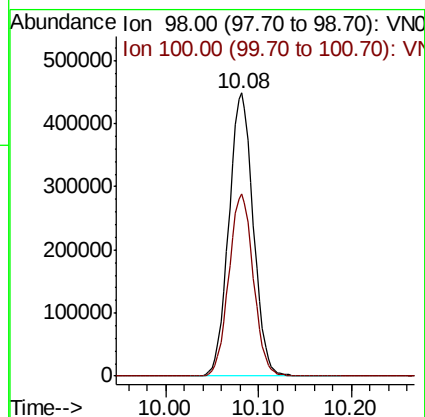
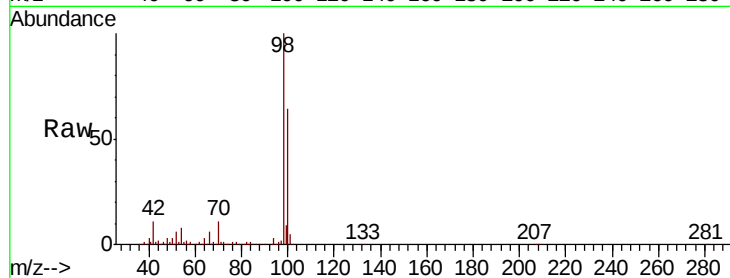
HD-02-111319

Tot Ion: 98 Resp: 819533

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.949 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059226.D

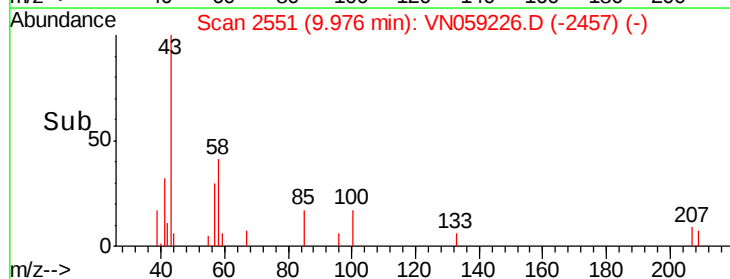
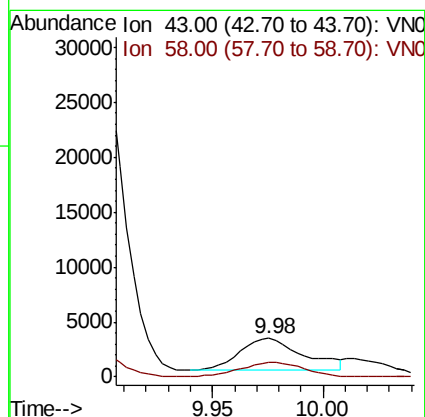
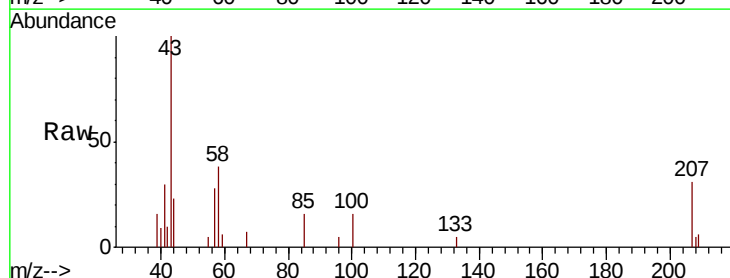
Acq: 14 Nov 2019 12:25

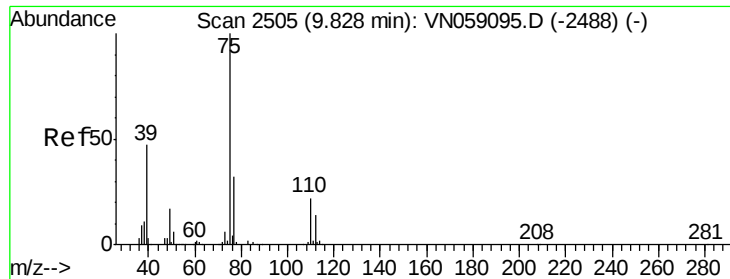
Tgt Ion: 43 Resp: 5850

Ion Ratio Lower Upper

43 100

58 44.8 31.5 47.3





#54

cis-1,3-Dichloropropene

Concen: 4.247 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

HD-02-111319

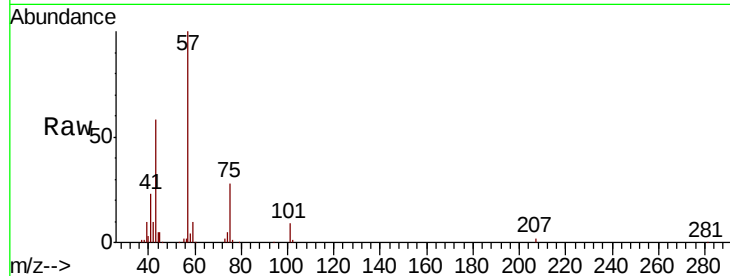
Tot Ion: 75 Resp: 32980

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 34.8 37.3 55.9#

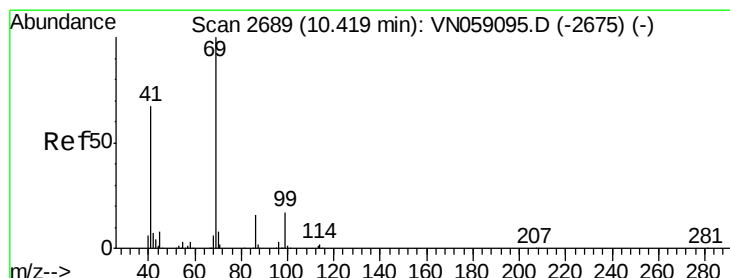
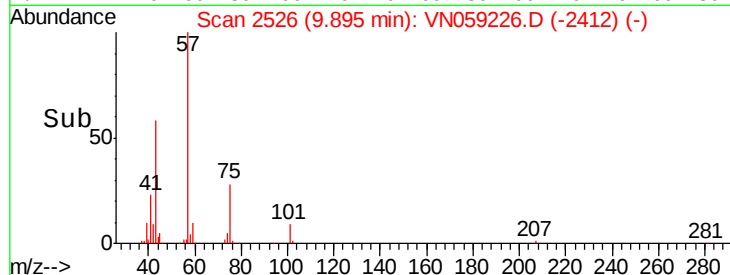
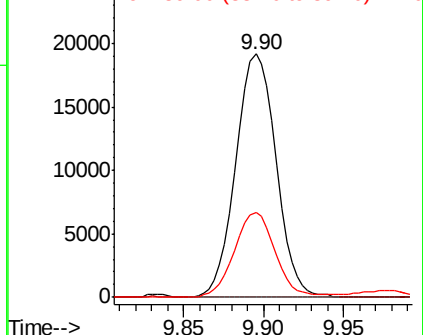


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 2.062 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

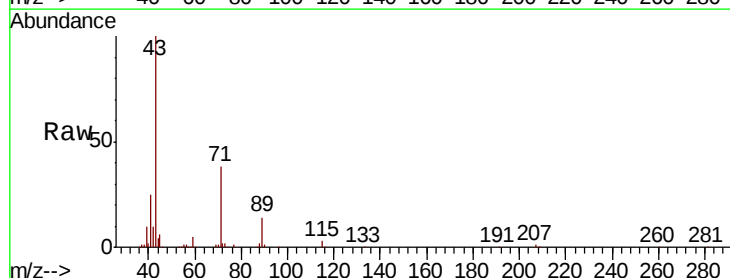
Tgt Ion: 69 Resp: 1466

Ion Ratio Lower Upper

69 100

41 4301.3 53.6 80.4#

39 1772.5 26.2 39.4#

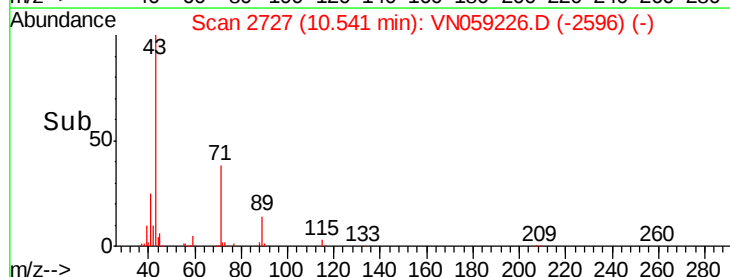
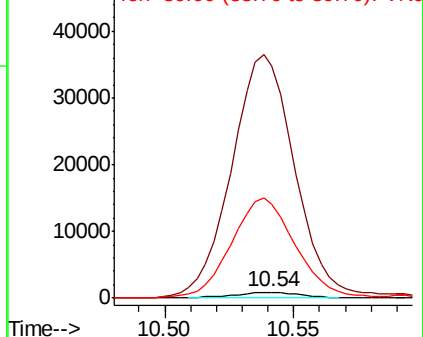


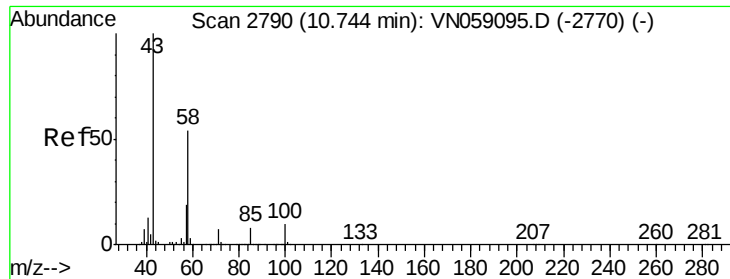
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

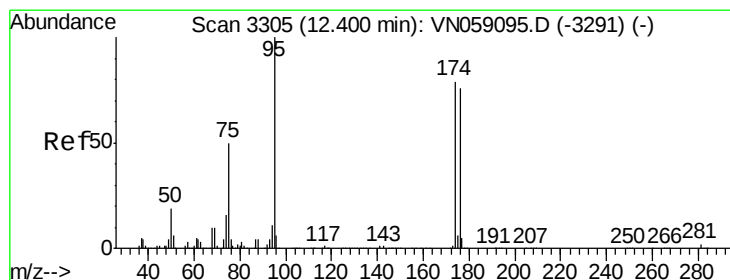
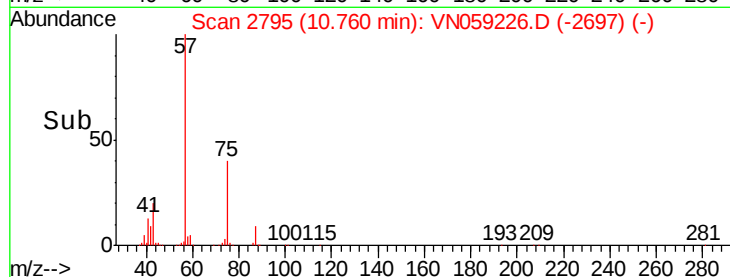
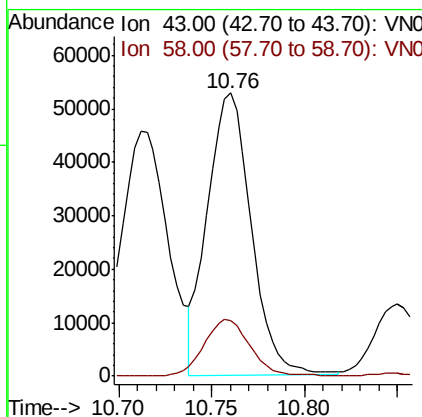
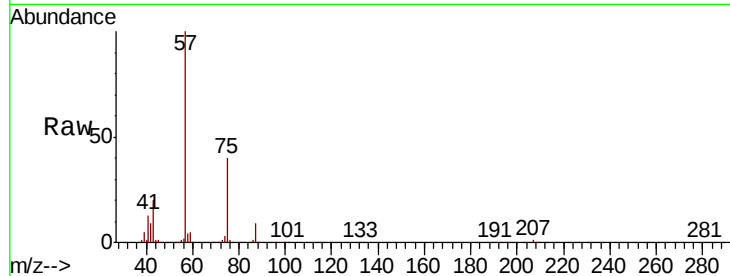




#59
2-Hexanone
Concen: 18.265 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.02 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

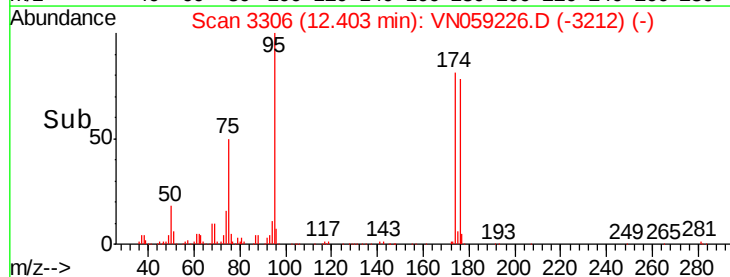
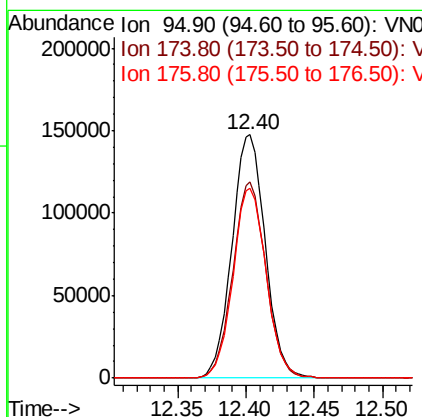
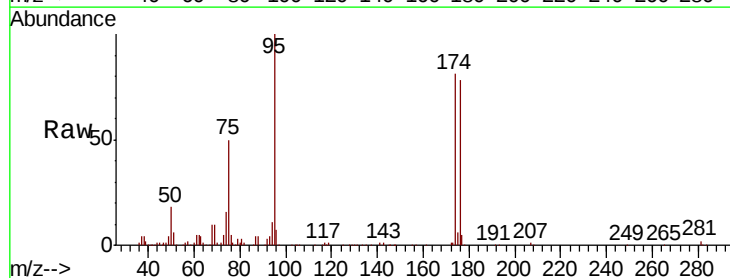
Instrument :
MSVOA_N
ClientSampleId :
HD-02-111319

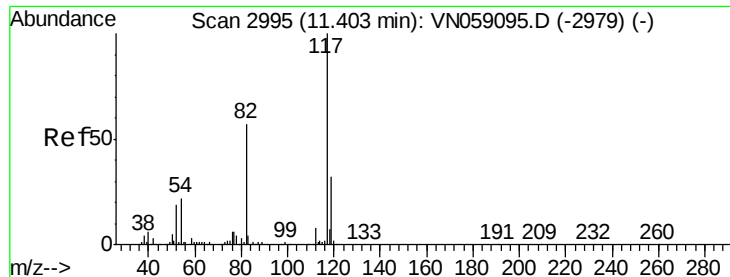
Tot Ion: 43 Resp: 86375
Ion Ratio Lower Upper
43 100
58 21.2 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 44.880 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059226.D
Acq: 14 Nov 2019 12:25

Tgt Ion: 95 Resp: 249988
Ion Ratio Lower Upper
95 100
174 79.8 0.0 158.2
176 78.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

HD-02-111319

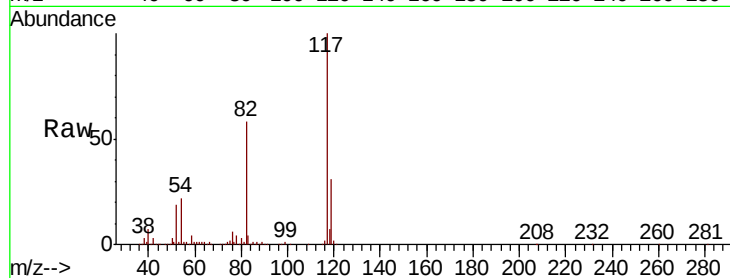
Tot Ion:117 Resp: 589468

Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.8

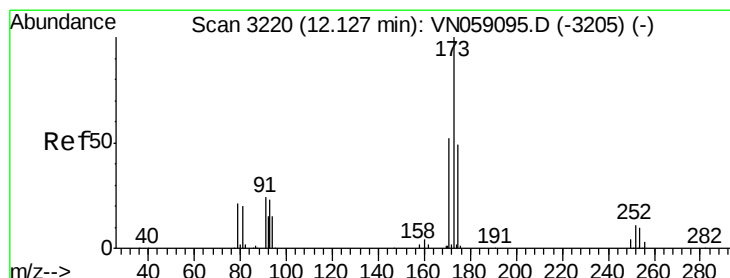
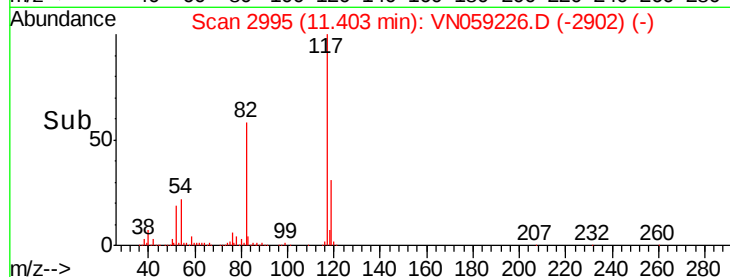
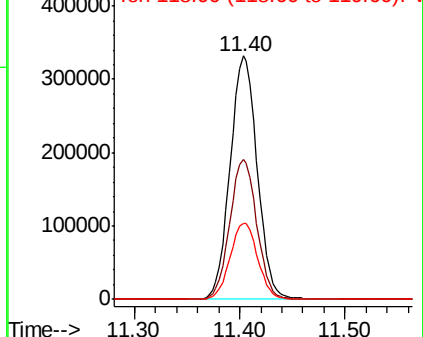
119 31.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.451 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

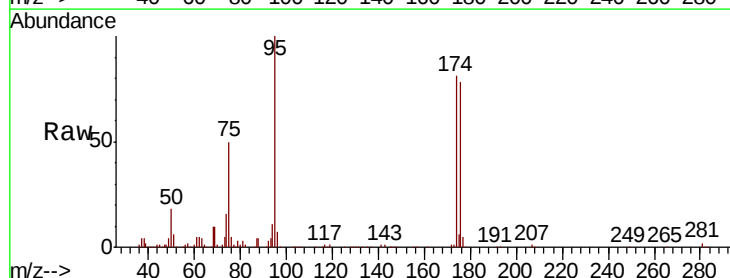
Tgt Ion:173 Resp: 1513

Ion Ratio Lower Upper

173 100

175 827.0 24.2 72.6#

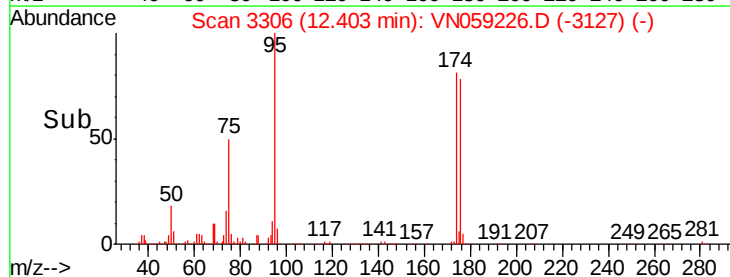
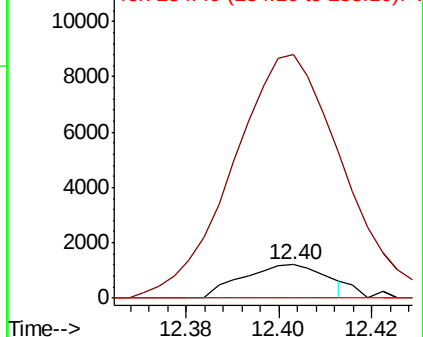
254 0.0 0.1 0.1#

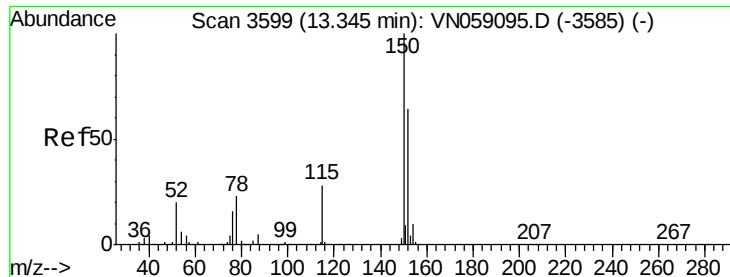


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

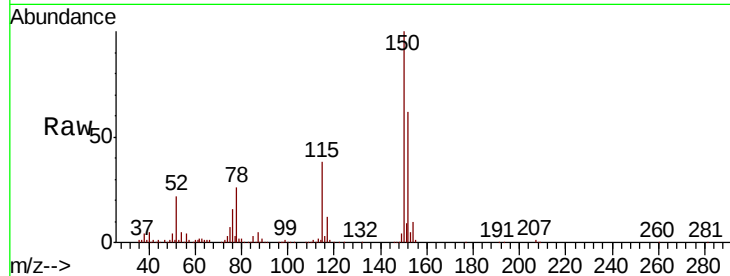




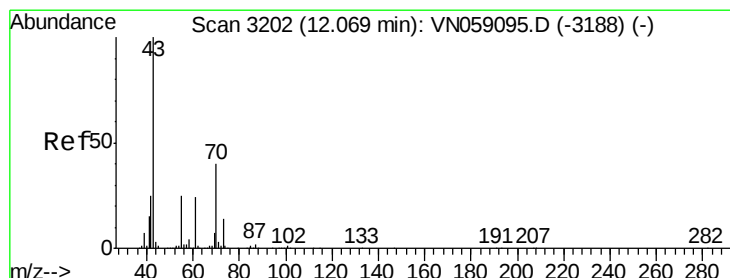
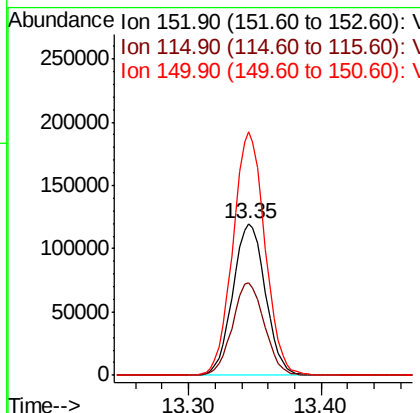
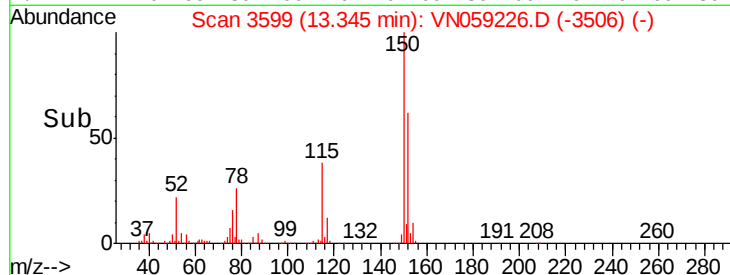
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-111319

Tot Ion:152 Resp: 203992
 Ion Ratio Lower Upper
 152 100
 115 60.1 29.4 88.2
 150 157.9 0.0 345.8

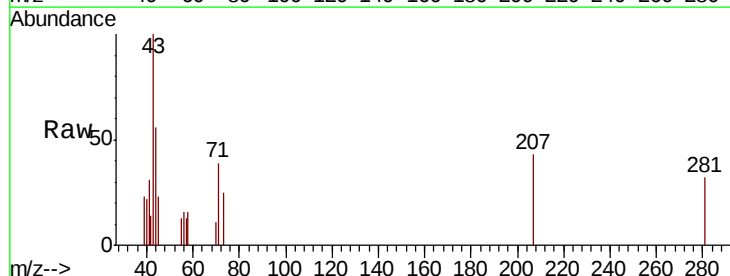


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

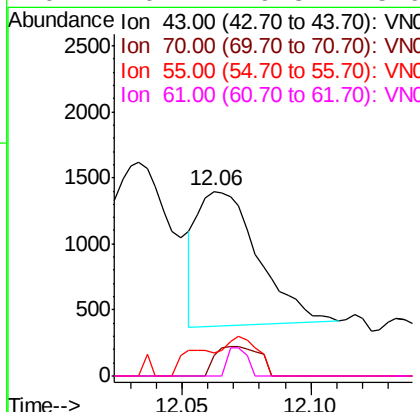
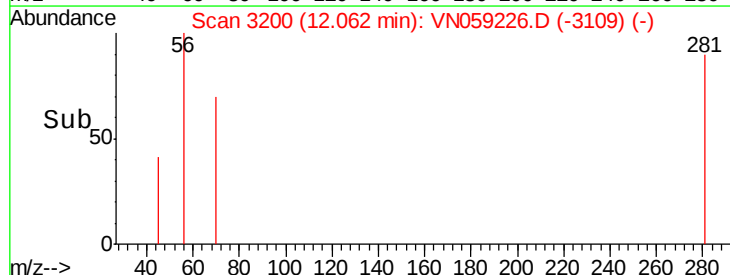


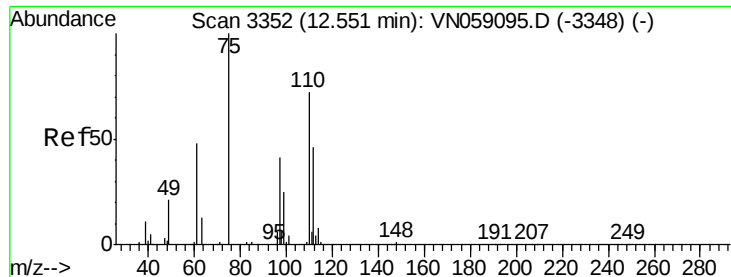
#74
 N-ethyl acetate
 Concen: 0.264 ug/l
 RT: 12.06 min Scan# 3200
 Delta R.T. -0.01 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

Tgt Ion: 43 Resp: 1660
 Ion Ratio Lower Upper
 43 100
 70 15.7 32.2 48.4#
 55 16.3 20.4 30.6#
 61 6.7 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 70.00 (69.70 to 70.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 27.231 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

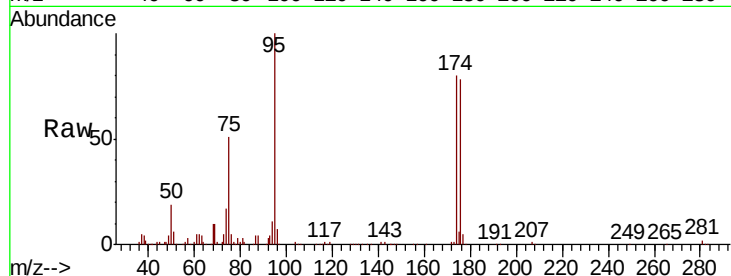
HD-02-111319

Tot Ion: 75 Resp: 126466

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059095.D (-3348) (-)

80000

60000

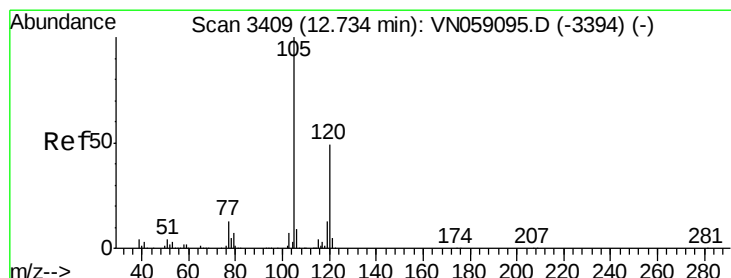
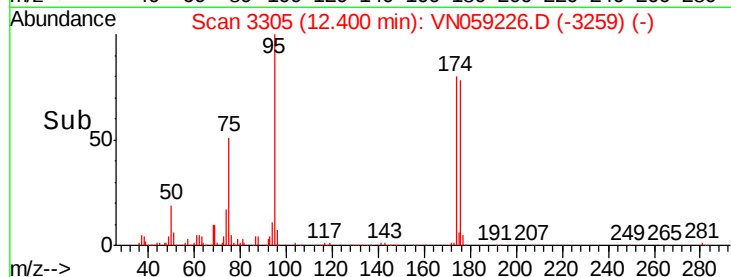
40000

20000

0

12.30 12.40 12.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.364 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059226.D

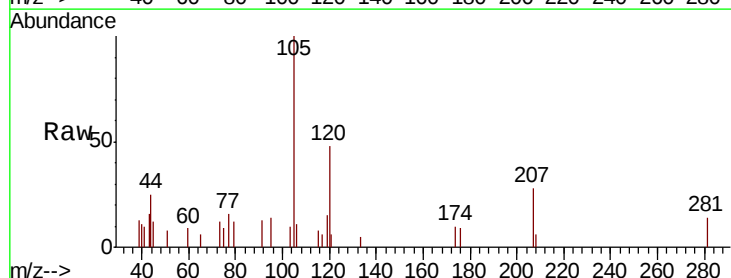
Acq: 14 Nov 2019 12:25

Tgt Ion: 105 Resp: 4583

Ion Ratio Lower Upper

105 100

120 49.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)

3000

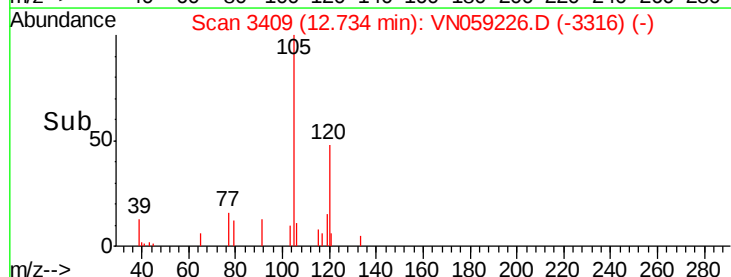
2000

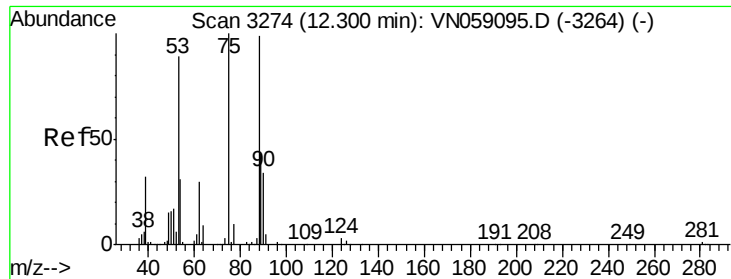
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 71.924 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

HD-02-111319

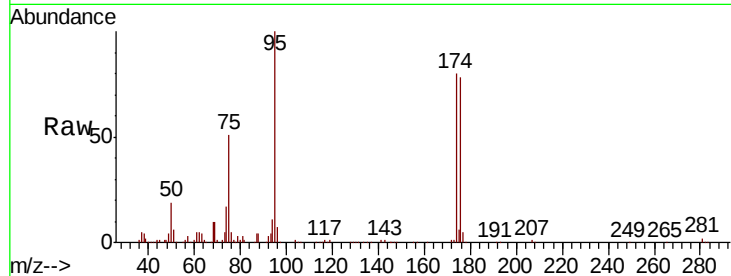
Tot Ion: 75 Resp: 126466

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

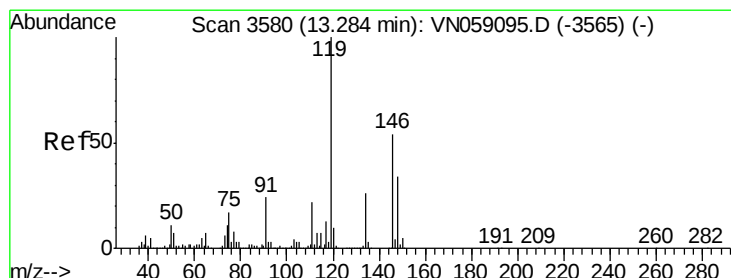
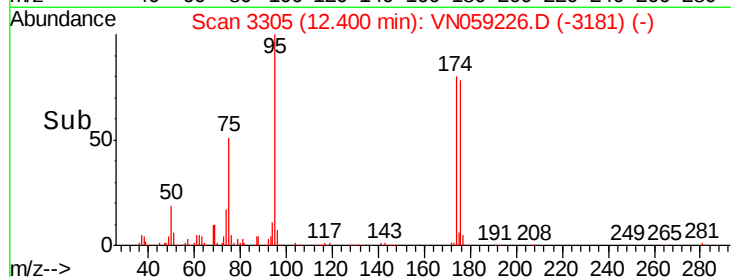
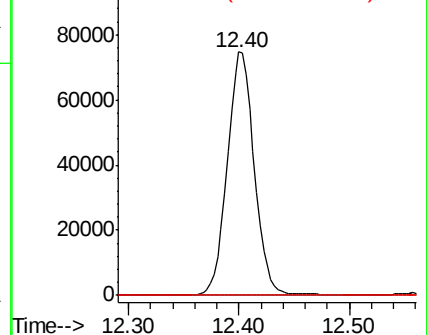
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059095.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059095.D (-3264) (-)



#87

1,3-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

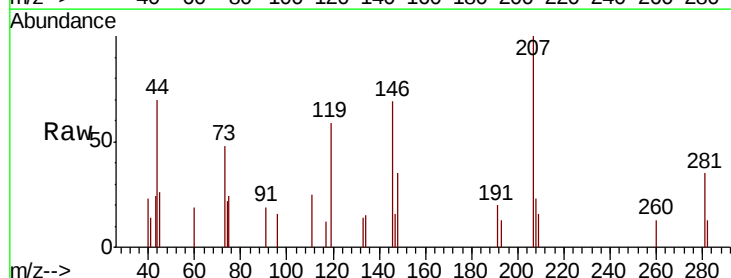
Tgt Ion: 146 Resp: 1292

Ion Ratio Lower Upper

146 100

111 31.3 20.4 61.3

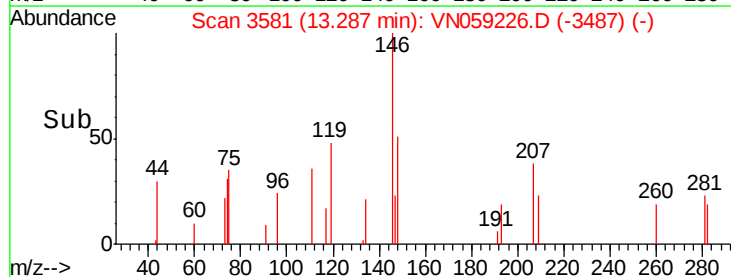
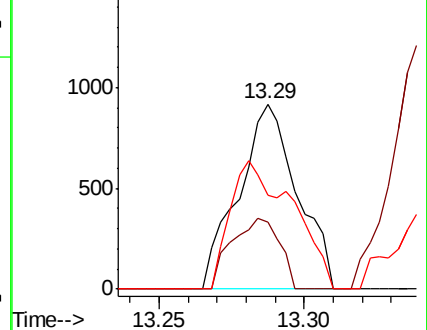
148 73.5 32.2 96.6

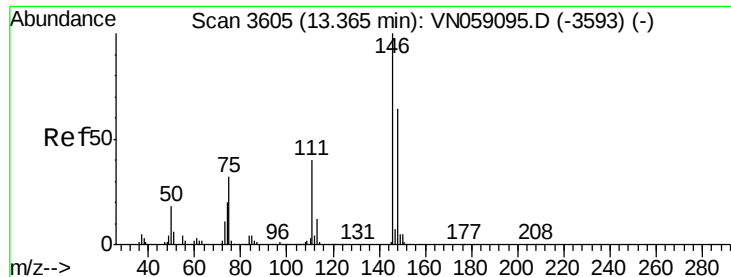


Abundance Ion 145.90 (145.60 to 146.60): VN059095.D (-3565) (-)

Ion 110.90 (110.60 to 111.60): VN059095.D (-3565) (-)

Ion 147.90 (147.60 to 148.60): VN059095.D (-3565) (-)





#88

1,4-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

HD-02-111319

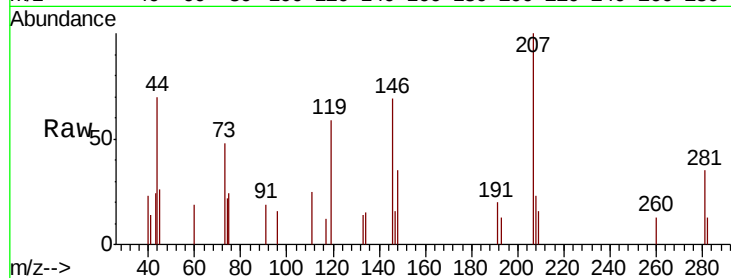
Tot Ion:146 Resp: 1292

Ion Ratio Lower Upper

146 100

111 31.3 20.3 60.9

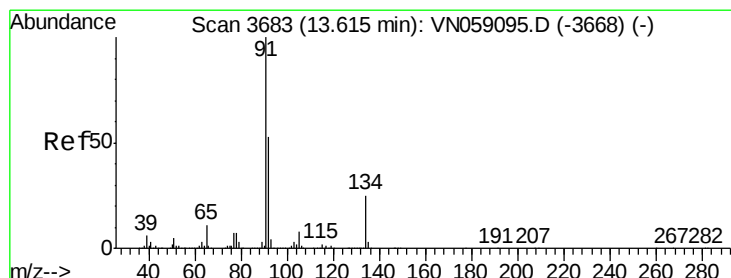
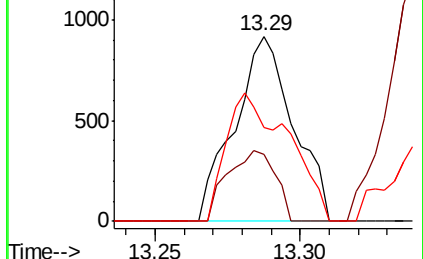
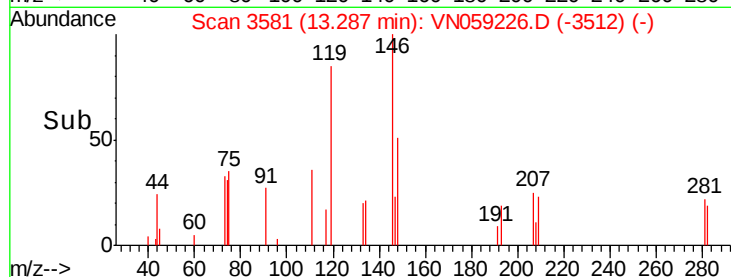
148 73.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.237 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

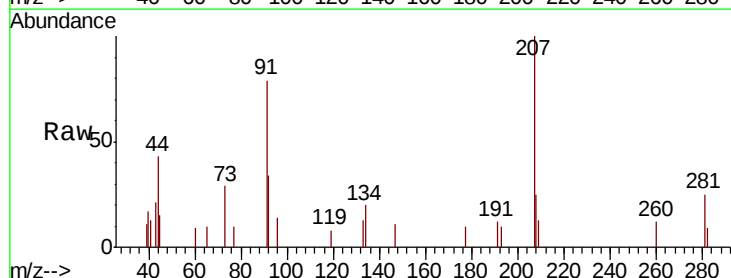
Tgt Ion: 91 Resp: 2588

Ion Ratio Lower Upper

91 100

92 36.9 26.1 78.3

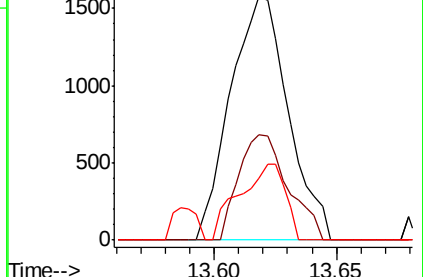
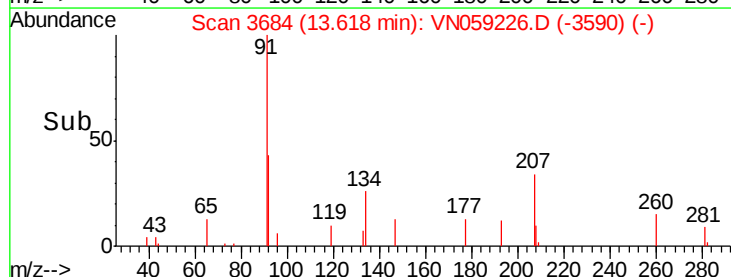
134 24.9 12.6 37.8

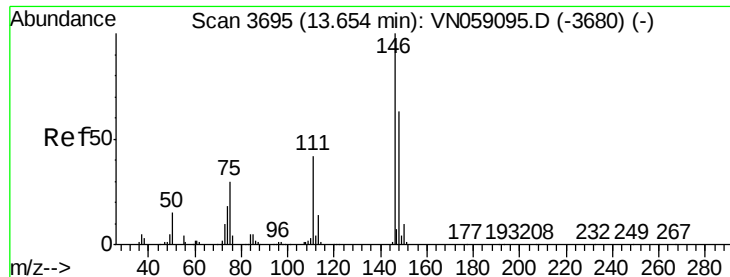


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.230 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

HD-02-111319

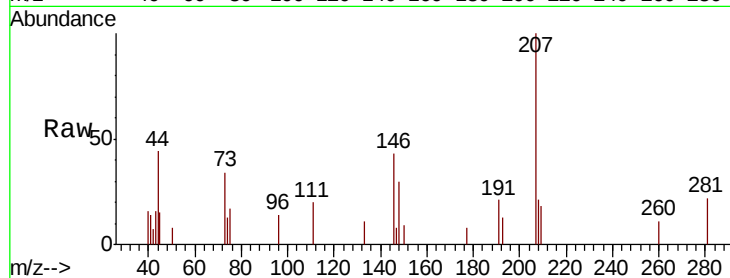
Tot Ion:146 Resp: 1445

Ion Ratio Lower Upper

146 100

111 37.0 21.2 63.6

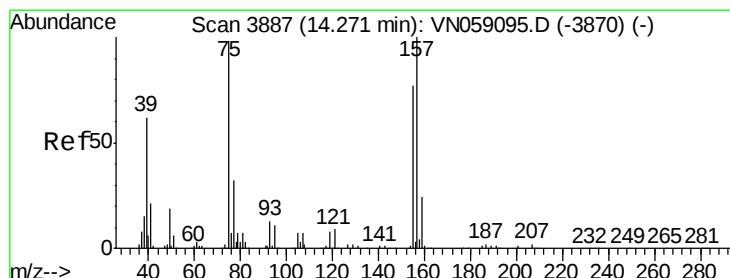
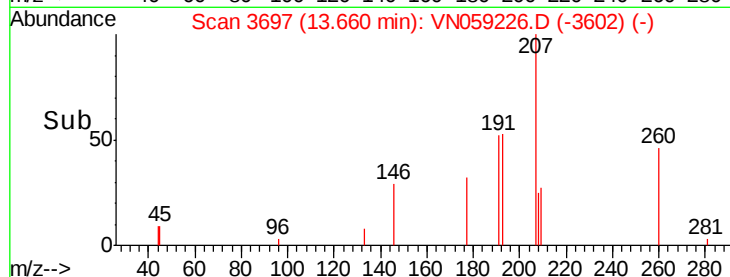
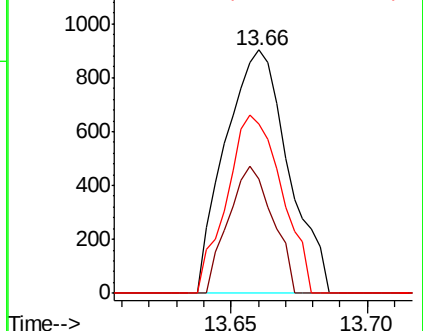
148 64.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.276 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

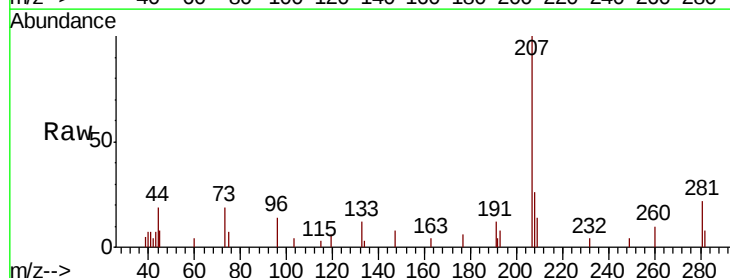
Tgt Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

155 27.4 40.2 120.6#

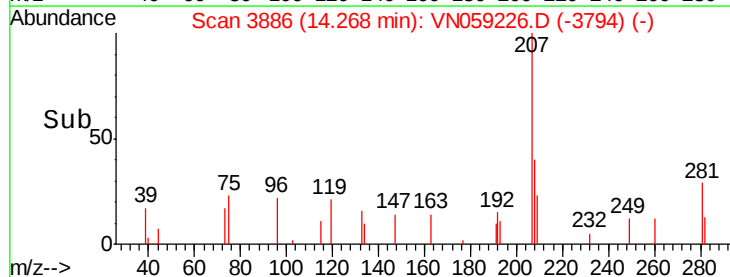
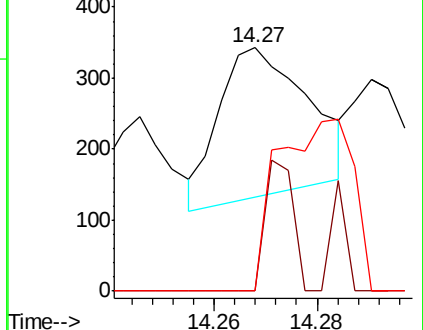
157 0.0 51.8 155.5#

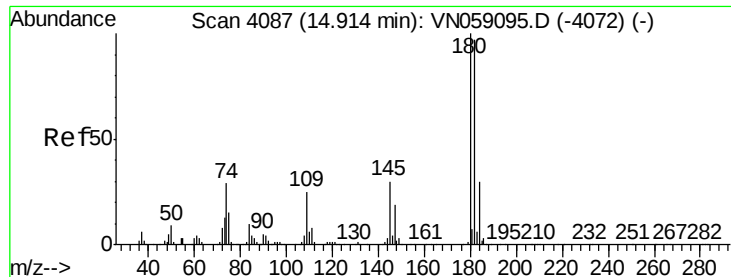


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

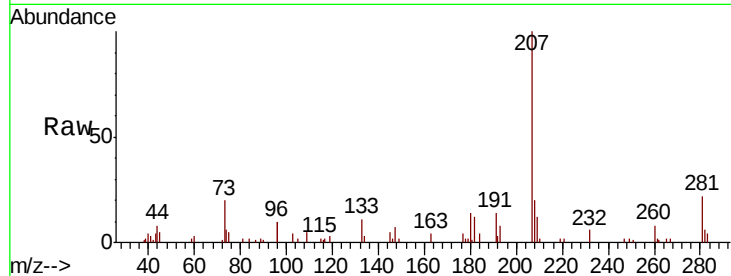




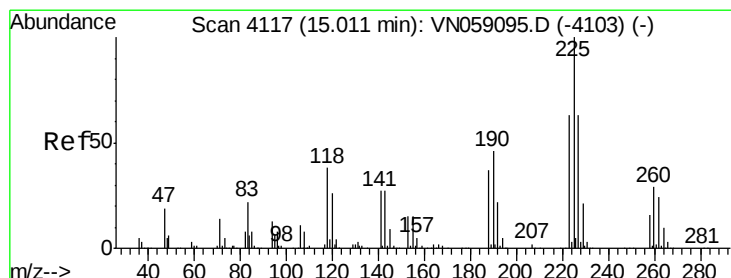
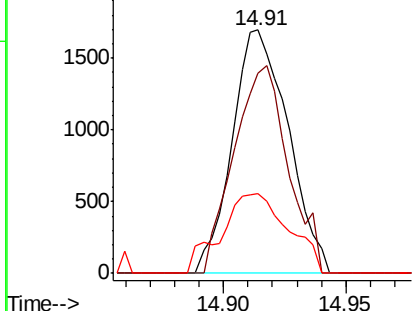
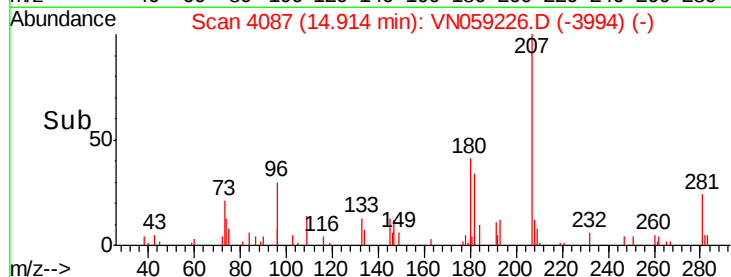
#93
 1,2,4-Trichlorobenzene
 Concen: 3.713 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-111319

Tot Ion:180 Resp: 2706
 Ion Ratio Lower Upper
 180 100
 182 82.6 48.1 144.3
 145 39.2 15.1 45.3

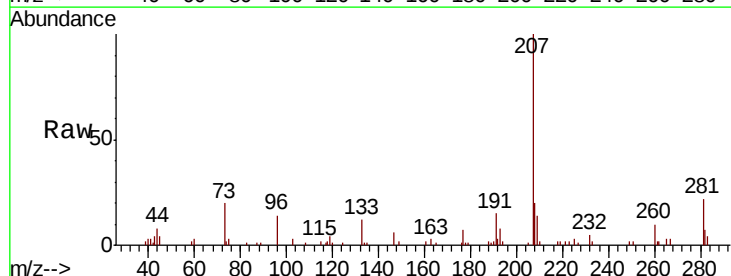


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

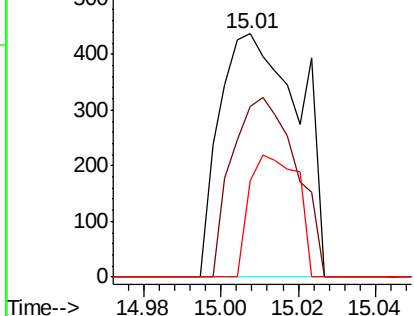
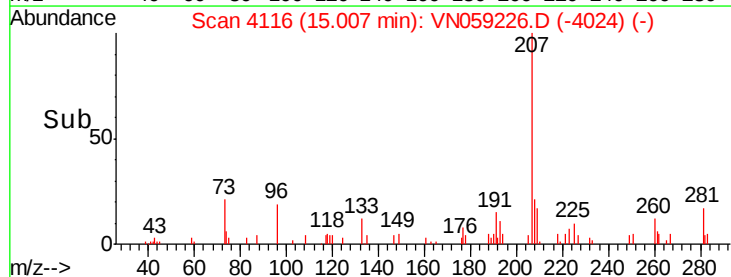


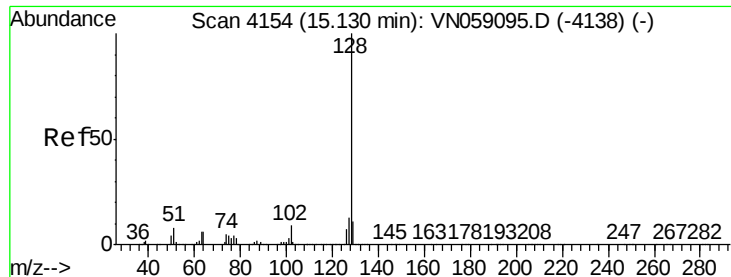
#94
 Hexachlorobutadiene
 Concen: 0.287 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059226.D
 Acq: 14 Nov 2019 12:25

Tgt Ion:225 Resp: 622
 Ion Ratio Lower Upper
 225 100
 223 59.6 31.3 93.9
 227 30.5 31.5 94.5#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.125 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

HD-02-111319

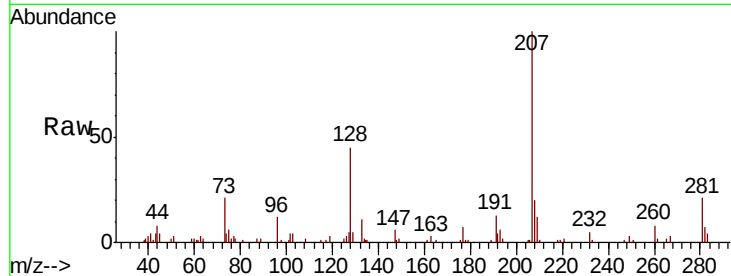
Tot Ion:128 Resp: 12159

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

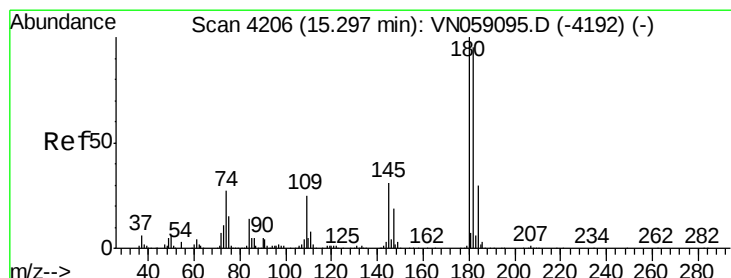
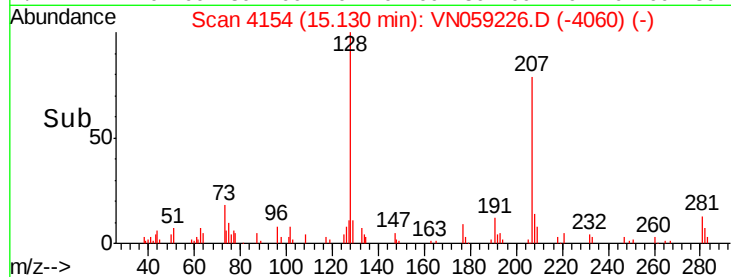
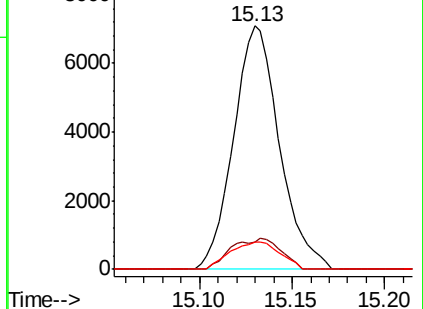
129 12.3 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.972 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059226.D

Acq: 14 Nov 2019 12:25

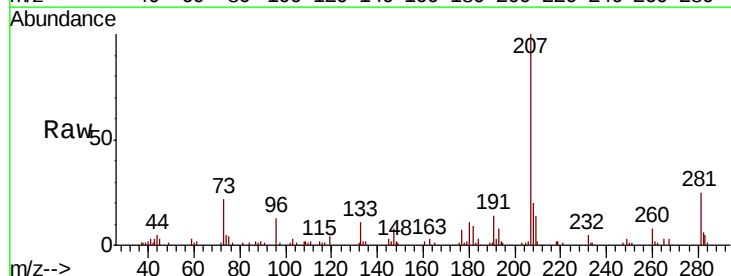
Tgt Ion:180 Resp: 3422

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.8

145 39.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

