

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056928.D
 Acq On : 25 Jul 2019 18:54
 Operator : JC/SP
 Sample : K3591-07 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 26 04:53:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:47:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	684891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	555354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152150	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	242731	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
35) Dibromofluoromethane	7.58	113	218402	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.08	98	796570	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.40	95	205262	37.89	ug/l	0.00
Spiked Amount			Recovery	=	75.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	2018	0.357	ug/l	89
5) Bromomethane	2.55	94	2664	0.827	ug/l	94
10) Methyl Iodide	3.94	142	1454	0.232	ug/l #	63
11) Tert butyl alcohol	4.79	59	205	0.313	ug/l #	74
13) Acrolein	3.59	56	253	0.689	ug/l #	14
15) Acrylonitrile	4.98	53	692	0.367	ug/l #	71
16) Acetone	3.81	43	2056	1.326	ug/l #	87
17) Carbon Disulfide	4.04	76	3325	0.300	ug/l #	75
18) Methyl Acetate	4.32	43	2810	0.518	ug/l #	77
20) Methylene Chloride	4.53	84	1640	0.334	ug/l	93
23) Vinyl Acetate	5.90	43	7066	0.754	ug/l #	94
26) 2,2-Dichloropropane	6.81	77	1182	0.201	ug/l #	51
29) Tetrahydrofuran	7.20	42	1423	0.910	ug/l #	74
30) Chloroform	7.36	83	2583	0.314	ug/l #	79
31) Cyclohexane	7.65	56	8481	1.090	ug/l #	1
38) Carbon Tetrachloride	7.65	117	38949	6.540	ug/l #	15
42) 1,2-Dichloroethane	8.12	62	1451	0.241	ug/l #	72
44) Trichloroethene	8.82	130	1082	0.203	ug/l	100
49) 1,4-Dioxane	9.19	88	29	0.346	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4053	0.817	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	1817	0.731	ug/l	95
59) 2-Hexanone	10.75	43	2988	0.878	ug/l	88
64) Tetrachloroethene	10.63	164	1066	0.210	ug/l	92
68) m/p-Xylenes	11.62	106	2474	0.332	ug/l	84
73) Isopropylbenzene	12.24	105	3223	Below Cal		98
74) N-amyl acetate	12.06	43	984	0.242	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.50	83	953	0.239	ug/l #	82
76) 1,2,3-Trichloropropane	12.40	75	95096	31.216	ug/l #	100
77) Bromobenzene	12.52	156	871	0.246	ug/l	79
78) n-propylbenzene	12.58	91	3516	0.240	ug/l	98
79) 2-Chlorotoluene	12.76	91	2005	0.220	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2760	0.241	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	95096	98.454	ug/l #	13
82) 4-Chlorotoluene	12.76	91	2005	0.240	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056928.D
 Acq On : 25 Jul 2019 18:54
 Operator : JC/SP
 Sample : K3591-07 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 26 04:53:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:47:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

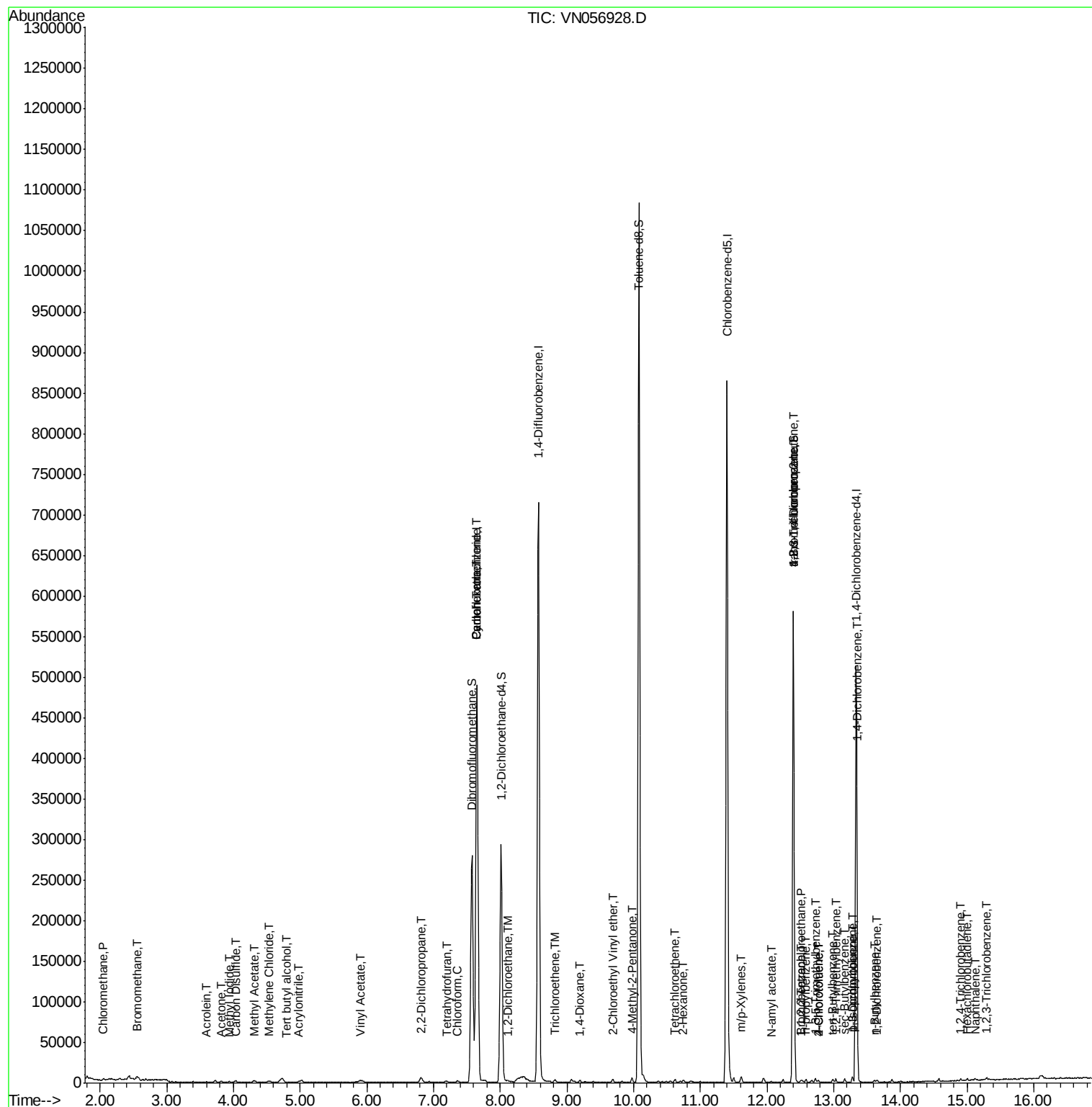
83) tert-Butylbenzene	12.98	119	2536	0.252	ug/l	82
84) 1,2,4-Trimethylbenzene	13.04	105	2435	0.225	ug/l	92
85) sec-Butylbenzene	13.17	105	3475	0.273	ug/l	93
86) p-Isopropyltoluene	13.28	119	2788	0.248	ug/l #	86
87) 1,3-Dichlorobenzene	13.28	146	1509	0.285	ug/l #	80
88) 1,4-Dichlorobenzene	13.36	146	1425	0.281	ug/l #	1
89) n-Butylbenzene	13.61	91	1912	0.220	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1271	0.237	ug/l	88
93) 1,2,4-Trichlorobenzene	14.91	180	1163	0.525	ug/l #	55
94) Hexachlorobutadiene	15.01	225	641	0.296	ug/l	88
95) Naphthalene	15.12	128	2055	0.367	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.30	180	1224	0.509	ug/l	91

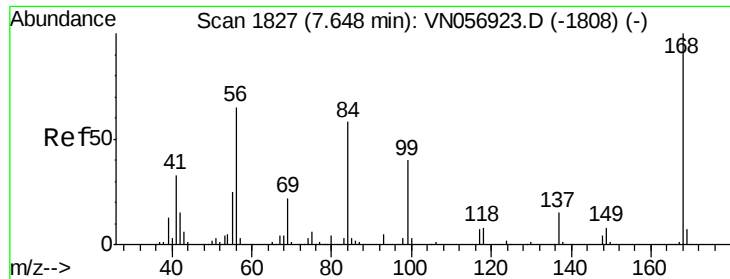
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072619\
Data File : VN056928.D
Acq On : 25 Jul 2019 18:54
Operator : JC/SP
Sample : K3591-07 0.2PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 26 04:53:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 04:47:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

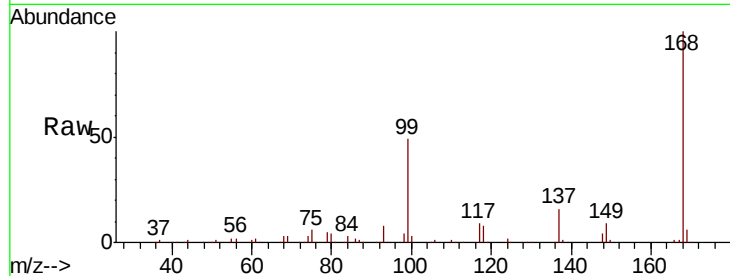
LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 438817

Ion Ratio Lower Upper

168 100

99 48.8 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

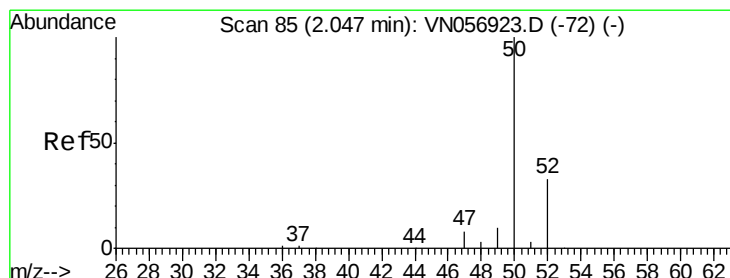
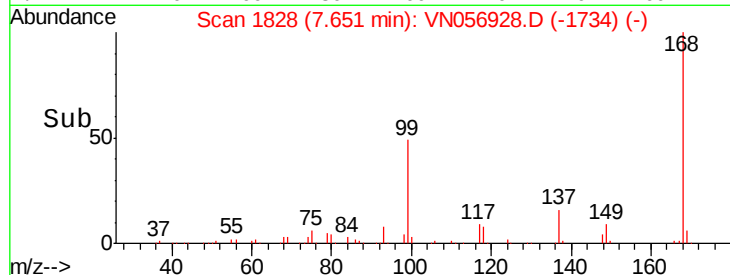
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.357 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN056928.D

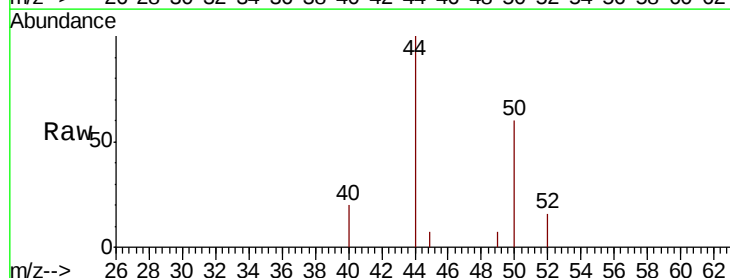
Acq: 25 Jul 2019 18:54

Tgt Ion: 50 Resp: 2018

Ion Ratio Lower Upper

50 100

52 27.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

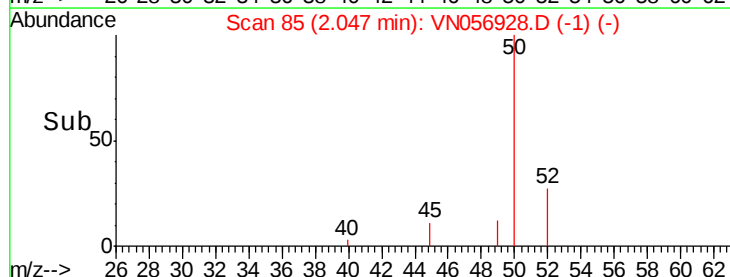
1500

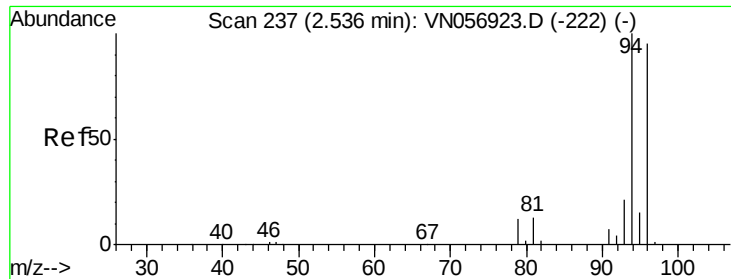
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.827 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

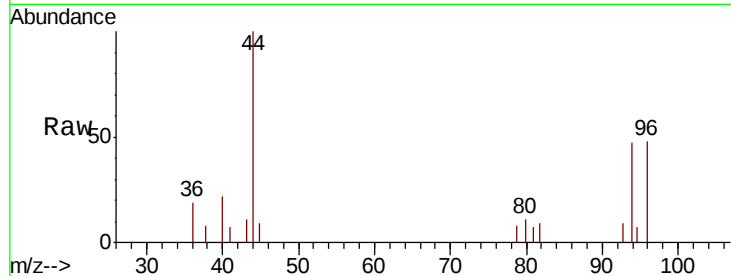
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 94 Resp: 2664

Ion Ratio Lower Upper

94 100

96 89.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN056928.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN056928.D (-222) (-)

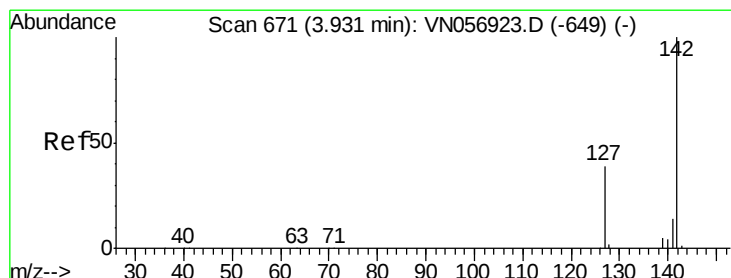
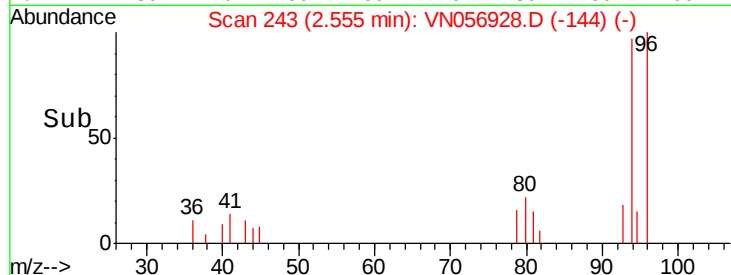
2.55

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 0.232 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.01 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

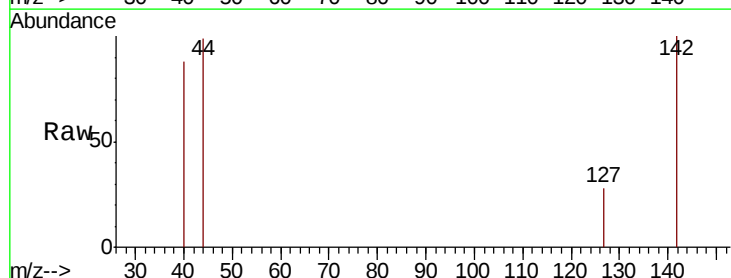
Tgt Ion: 142 Resp: 1454

Ion Ratio Lower Upper

142 100

127 14.8 30.5 45.7#

141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): VN056928.D (-649) (-)

Ion 126.80 (126.50 to 127.50): VN056928.D (-649) (-)

Ion 140.80 (140.50 to 141.50): VN056928.D (-649) (-)

3.94

800

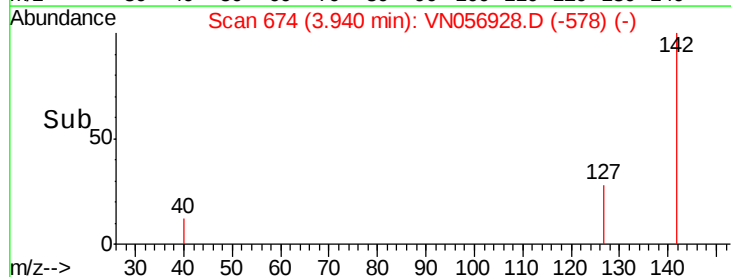
600

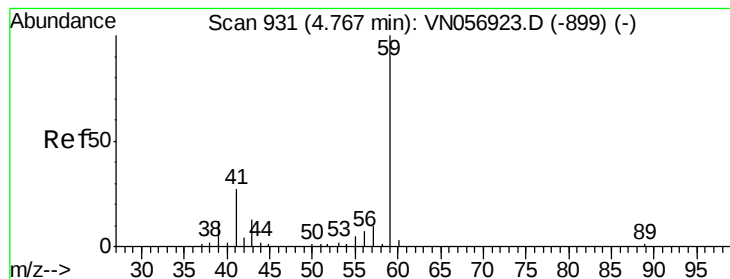
400

200

0

Time-->



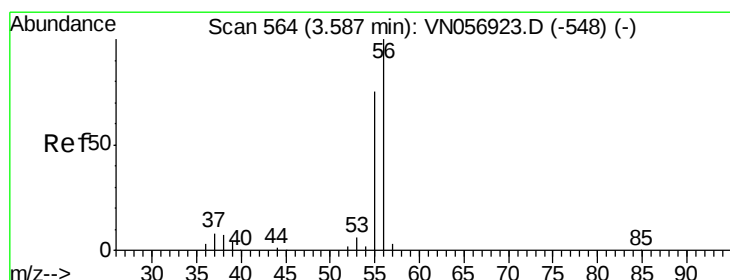
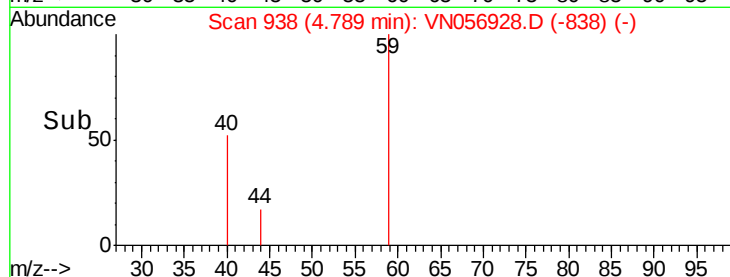
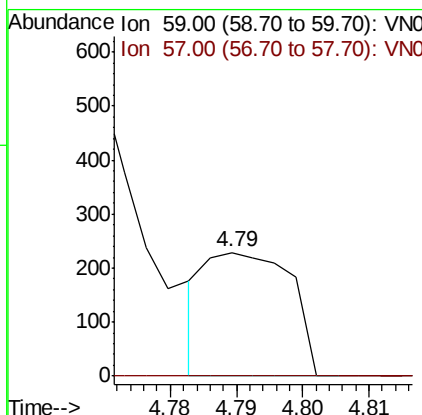
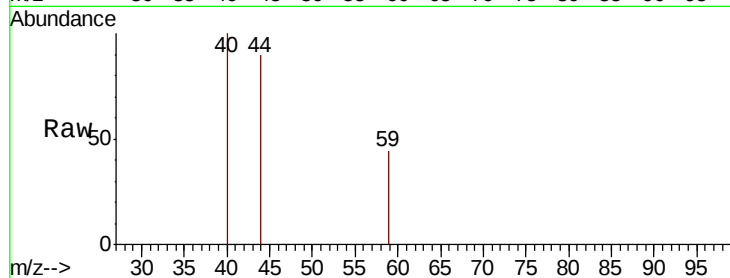


#11

Tert butyl alcohol
 Concen: 0.313 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.02 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

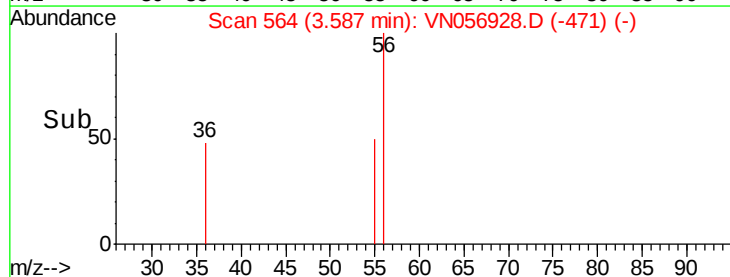
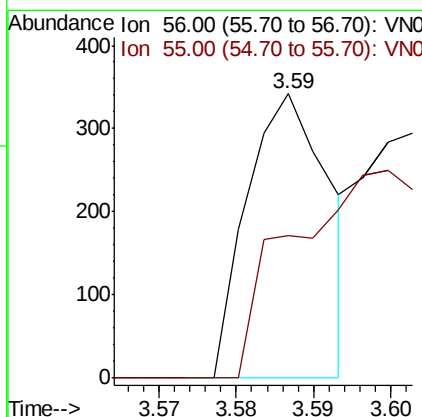
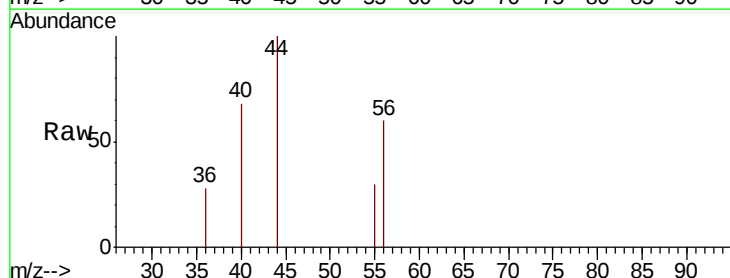
Tot Ion: 59 Resp: 205
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

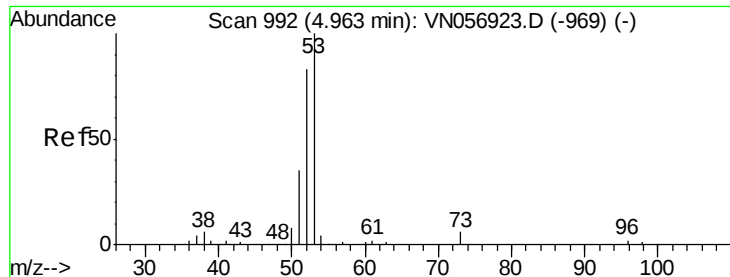


#13

Acrolein
 Concen: 0.689 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Tgt Ion: 56 Resp: 253
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.5 86.3#





#15

Acrylonitrile

Concen: 0.367 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

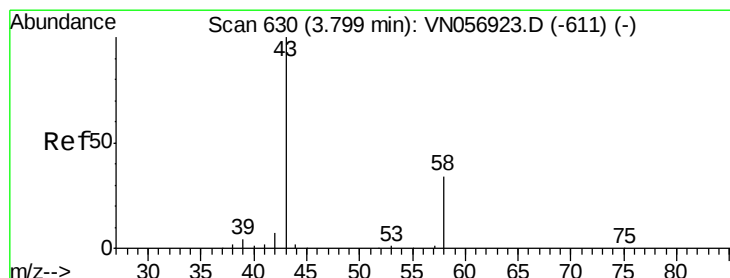
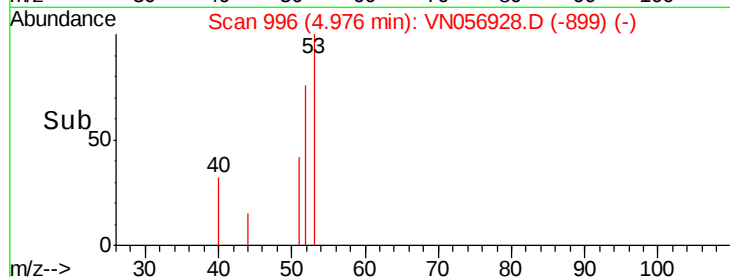
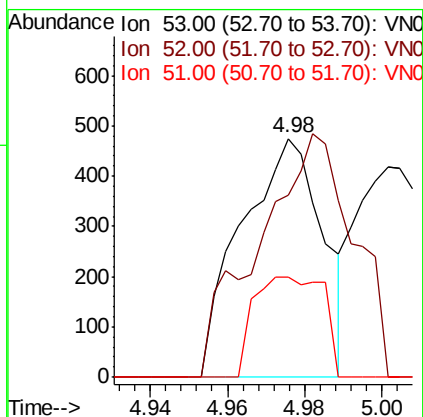
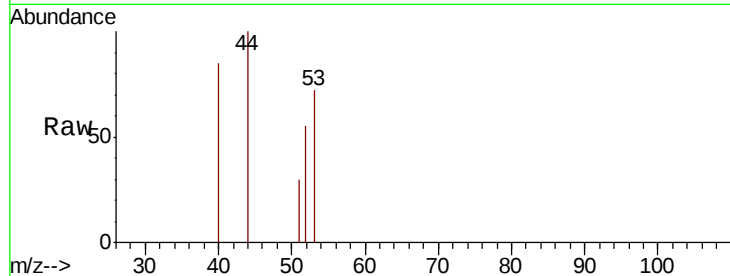
Tot Ion: 53 Resp: 692

Ion Ratio Lower Upper

53 100

52 118.5 65.5 98.3#

51 36.0 28.1 42.1



#16

Acetone

Concen: 1.326 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN056928.D

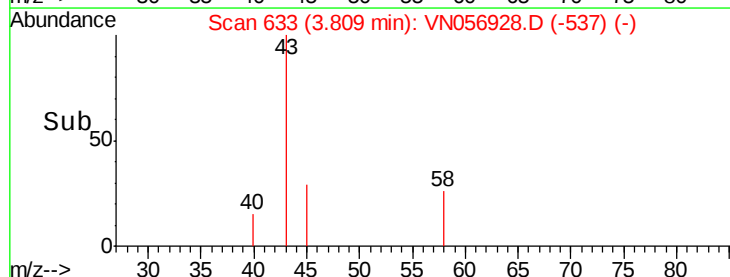
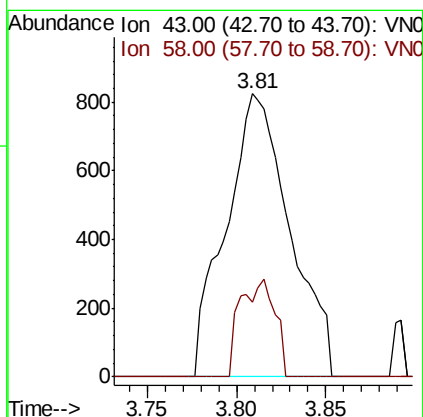
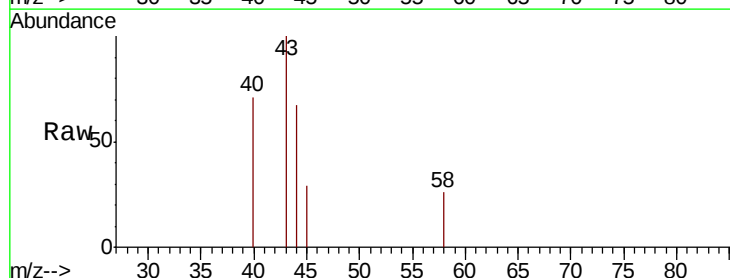
Acq: 25 Jul 2019 18:54

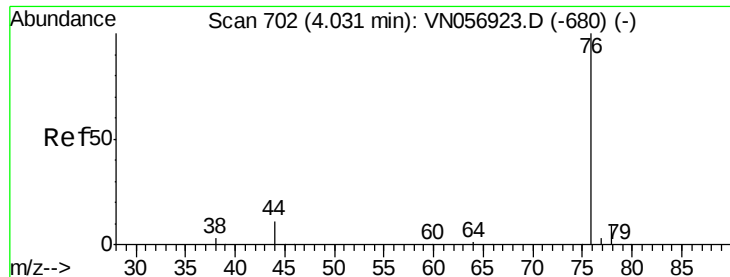
Tgt Ion: 43 Resp: 2056

Ion Ratio Lower Upper

43 100

58 26.5 27.3 40.9#

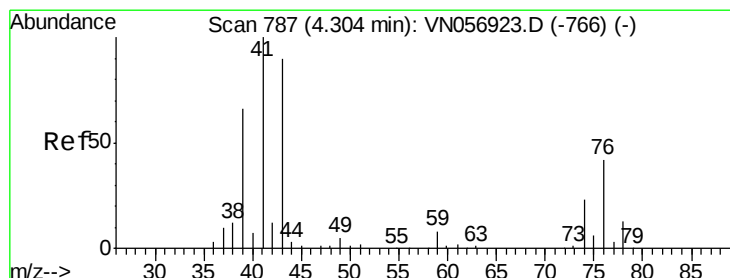
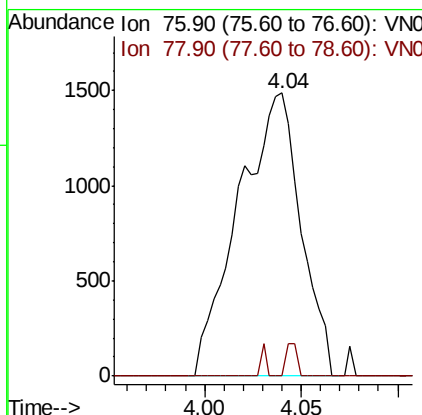
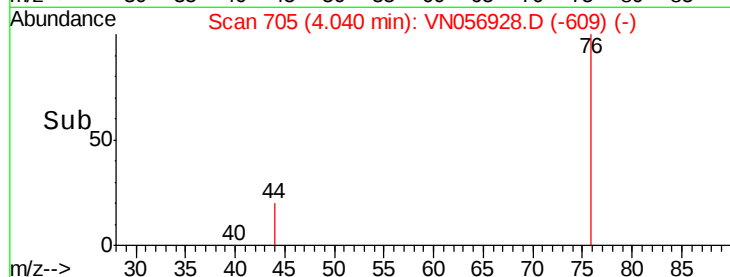
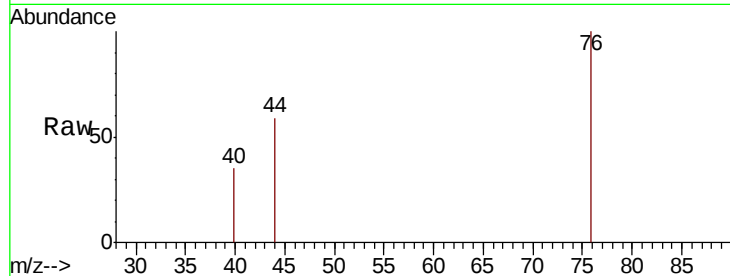




#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

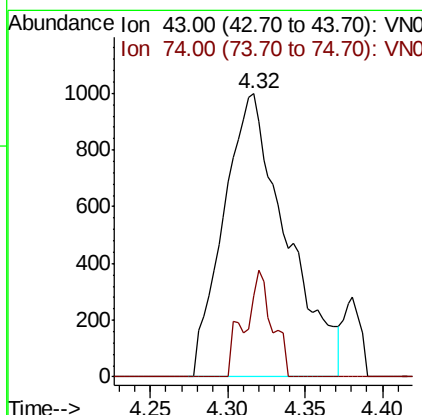
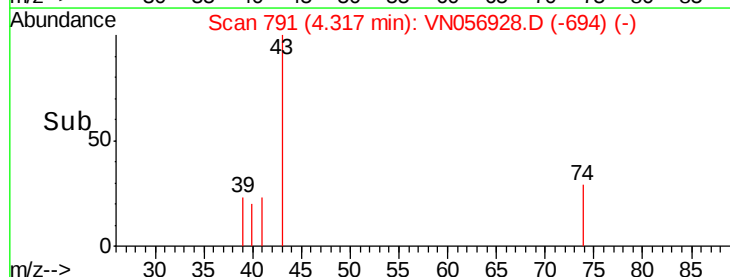
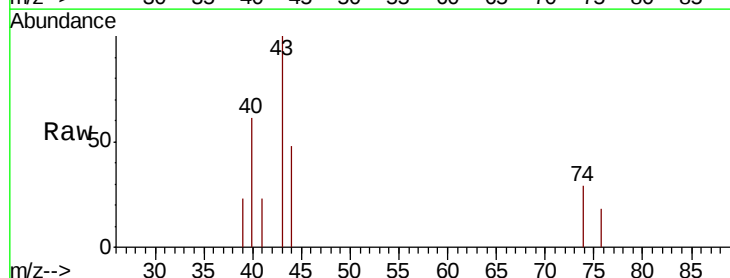
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

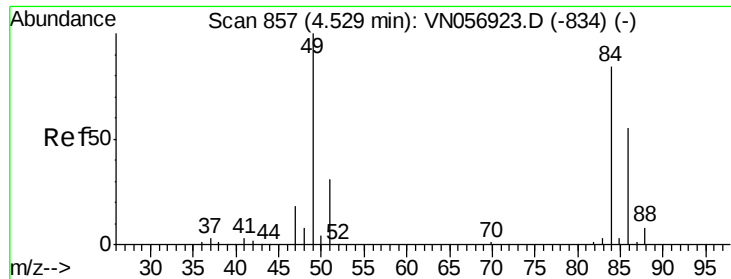
Tot Ion: 76 Resp: 3325
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.518 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 2810
Ion Ratio Lower Upper
43 100
74 12.7 19.4 29.0#

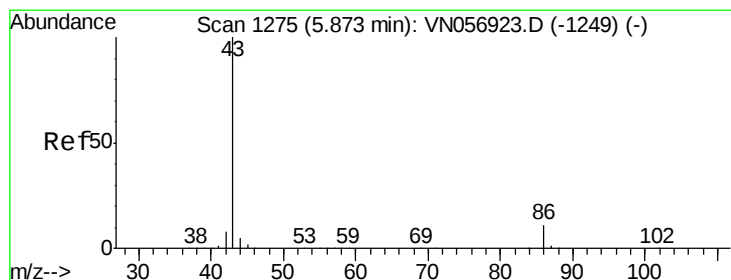
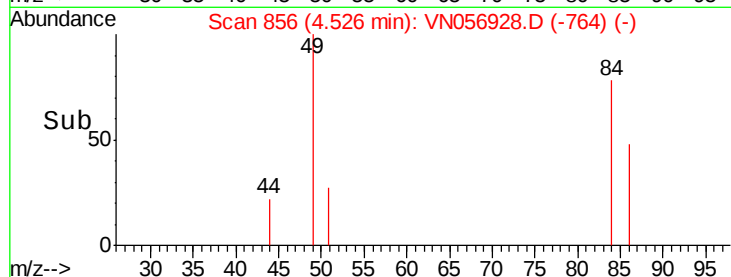
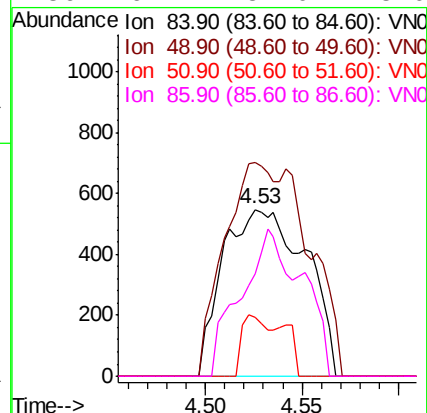
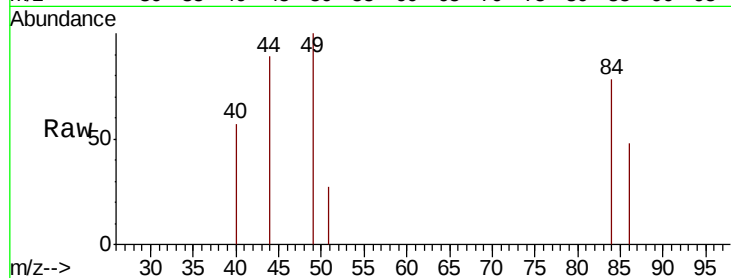




#20
Methvlene Chloride
Concen: 0.334 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

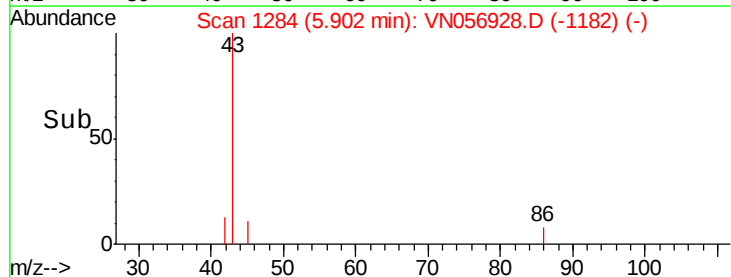
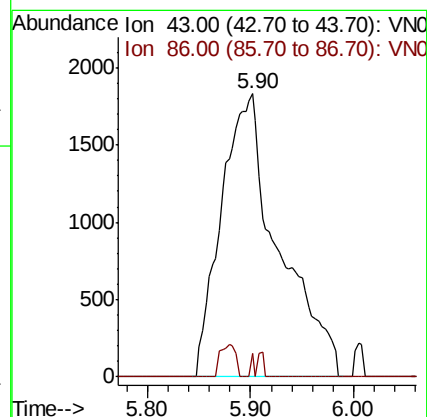
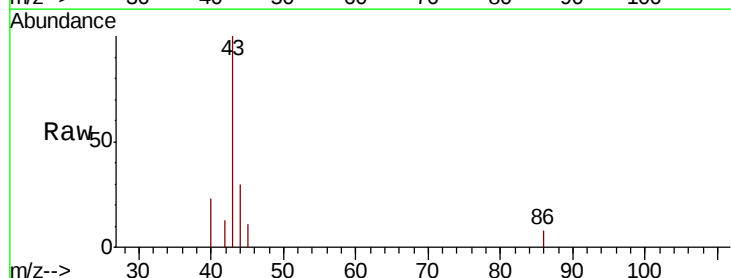
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

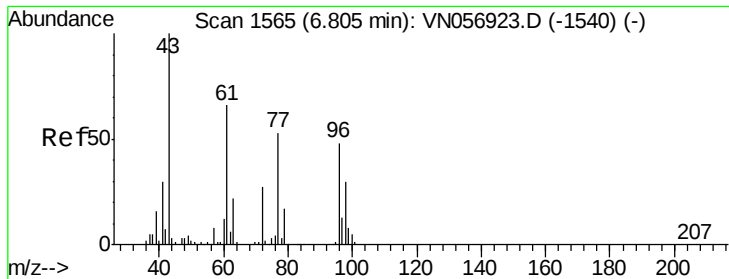
Tot Ion: 84 Resp: 1640
Ion Ratio Lower Upper
84 100
49 128.2 95.0 142.6
51 35.1 29.8 44.8
86 61.4 52.0 78.0



#23
Vinyl Acetate
Concen: 0.754 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.03 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 7066
Ion Ratio Lower Upper
43 100
86 8.4 8.6 13.0#





#26

2,2-Dichloropropane

Concen: 0.201 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

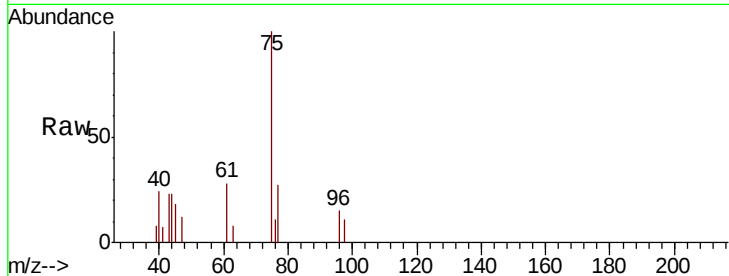
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 77 Resp: 1182

Ion Ratio Lower Upper

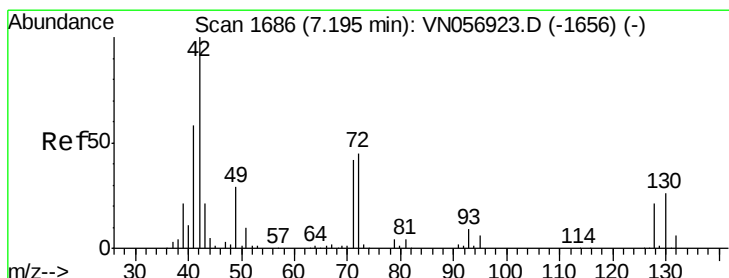
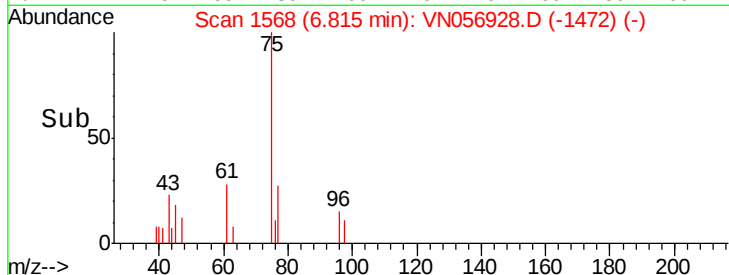
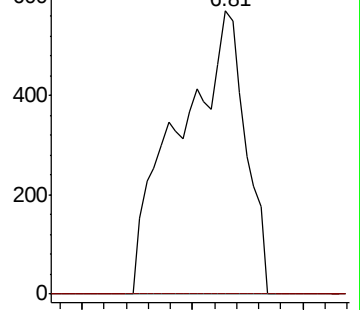
77 100

97 0.0 12.3 36.8#



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO



#29

Tetrahydrofuran

Concen: 0.910 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

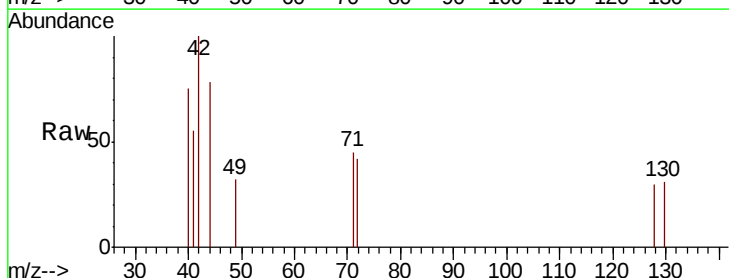
Tgt Ion: 42 Resp: 1423

Ion Ratio Lower Upper

42 100

72 31.8 35.5 53.3#

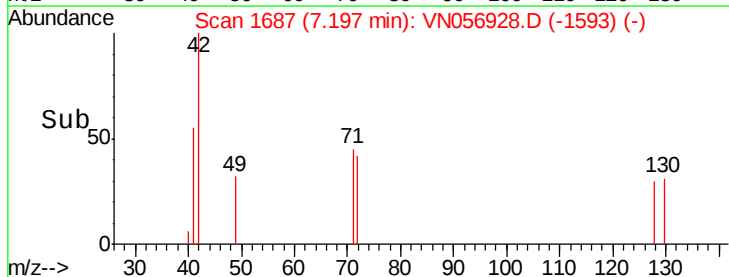
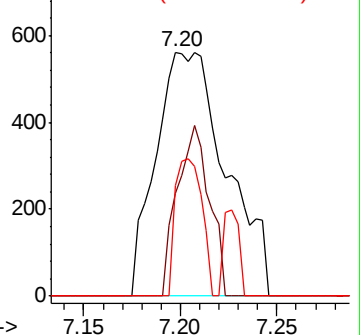
71 21.2 33.0 49.6#

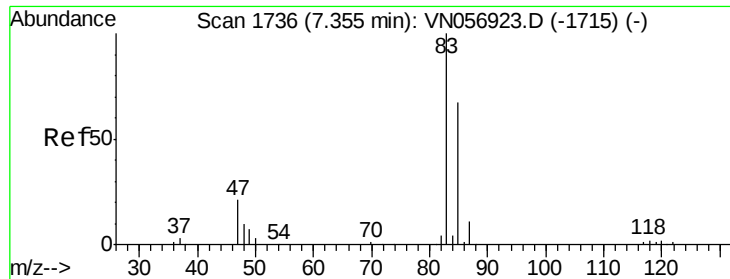


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO





#30

Chloroform

Concen: 0.314 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

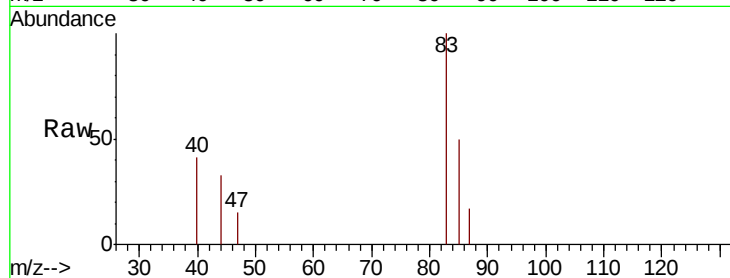
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 2583

Ion Ratio Lower Upper

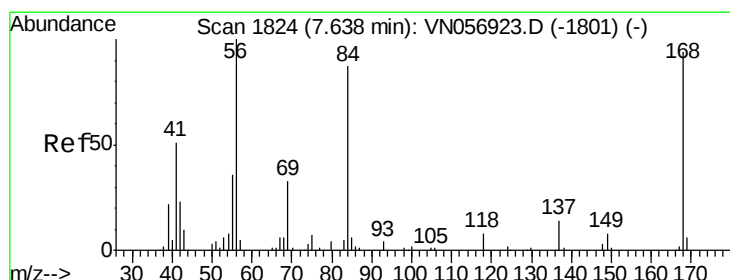
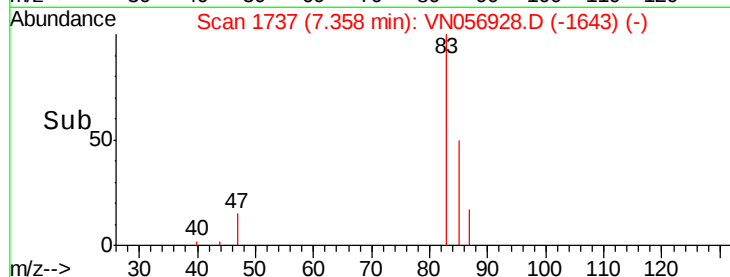
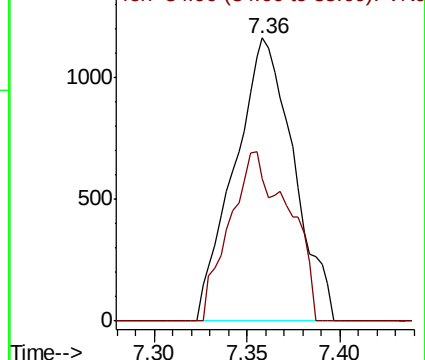
83 100

85 50.5 53.5 80.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

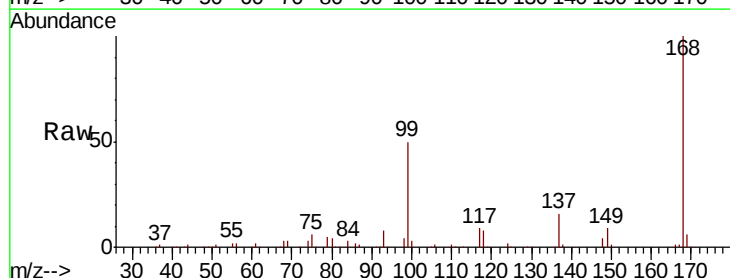
Tgt Ion: 56 Resp: 8481

Ion Ratio Lower Upper

56 100

69 161.8 26.3 39.5#

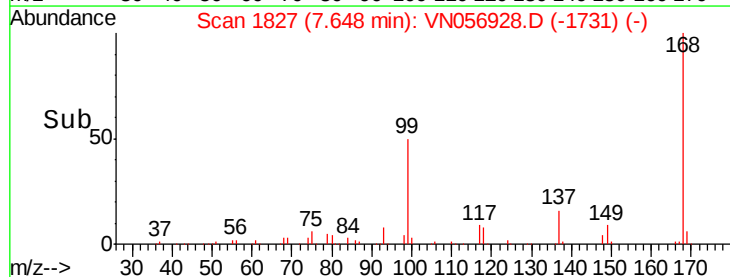
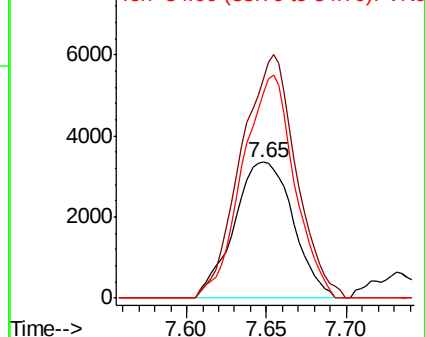
84 151.7 69.6 104.4#

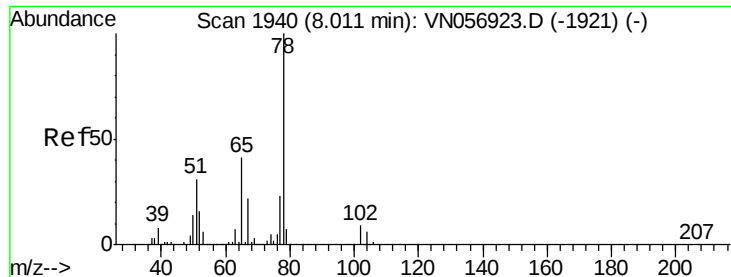


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

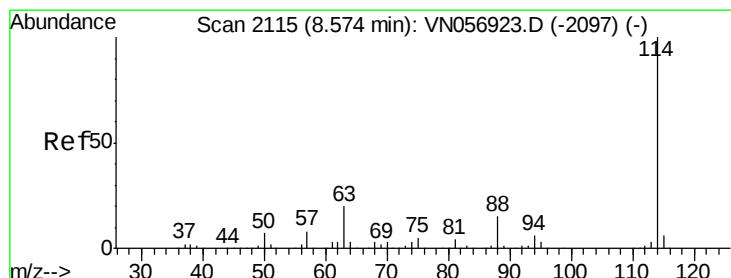
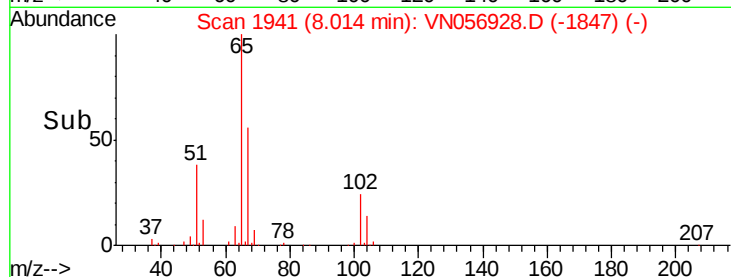
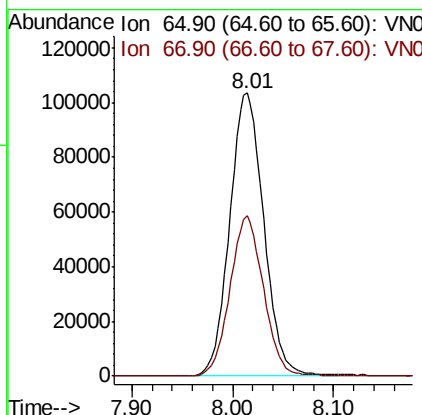
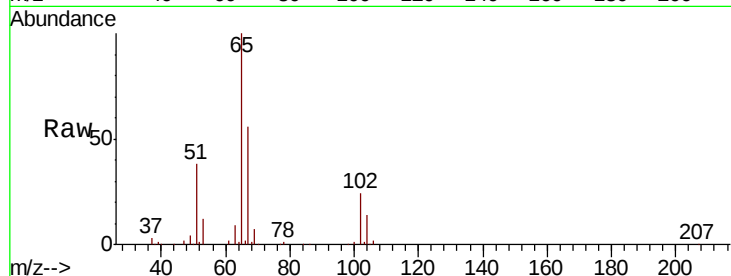




#33
 1,2-Dichloroethane-d4
 Concen: 53.456 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

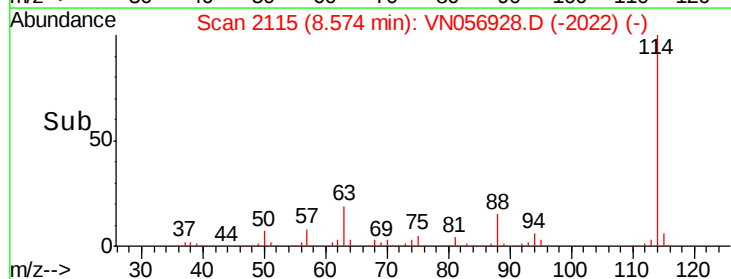
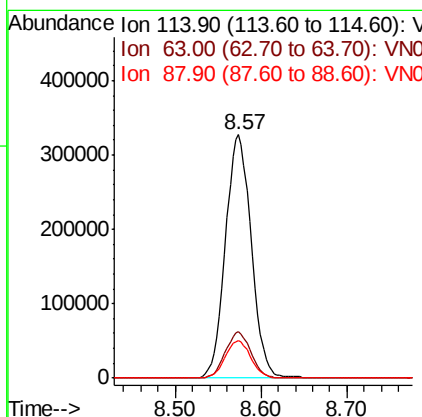
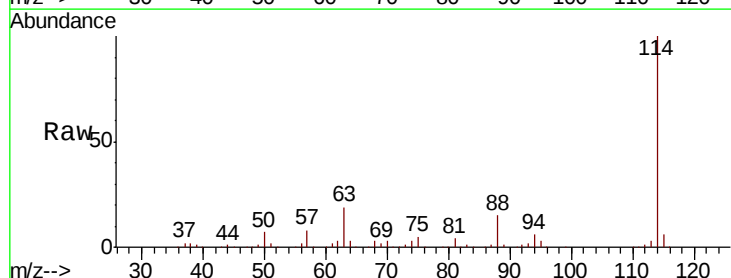
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

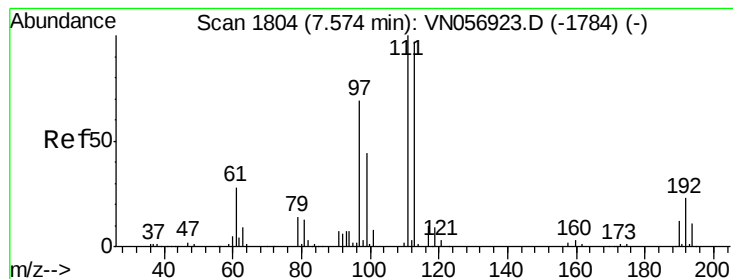
Tot Ion: 65 Resp: 242731
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Tgt Ion: 114 Resp: 684891
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.979 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

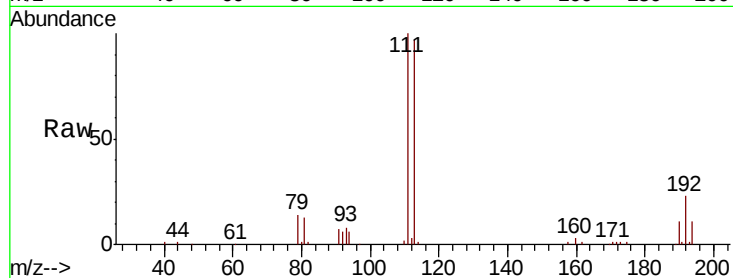
Tot Ion:113 Resp: 218402

Ion Ratio Lower Upper

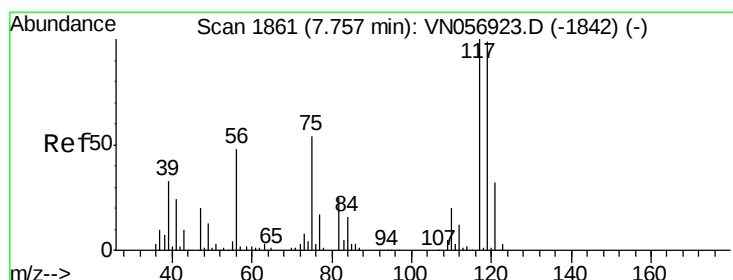
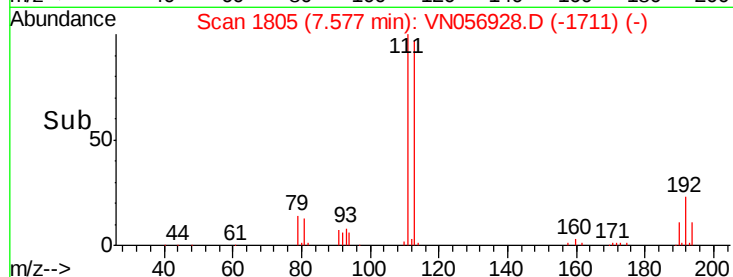
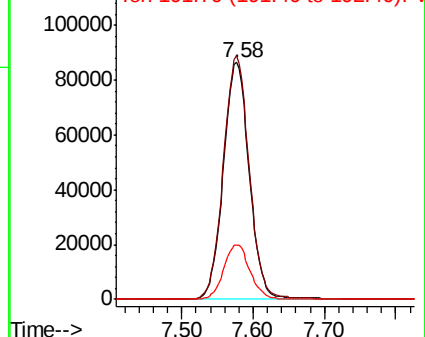
113 100

111 102.9 82.2 123.2

192 23.3 18.3 27.5



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

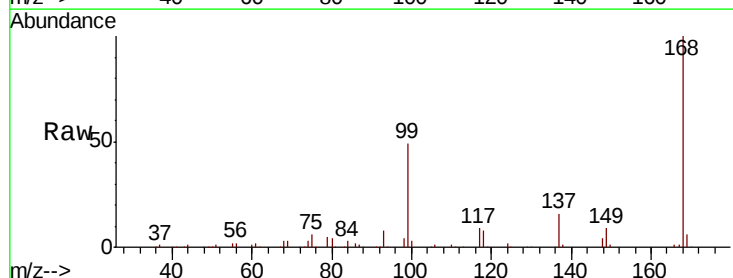
Tgt Ion:117 Resp: 38949

Ion Ratio Lower Upper

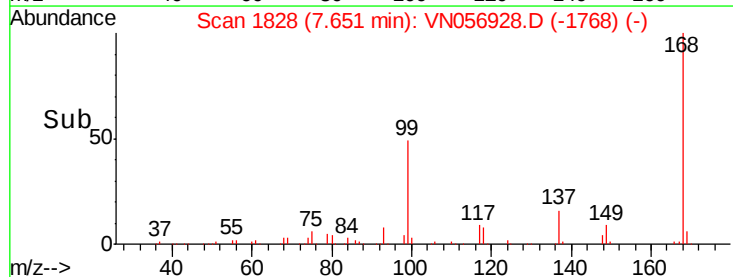
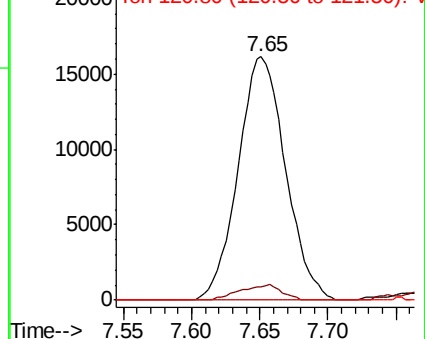
117 100

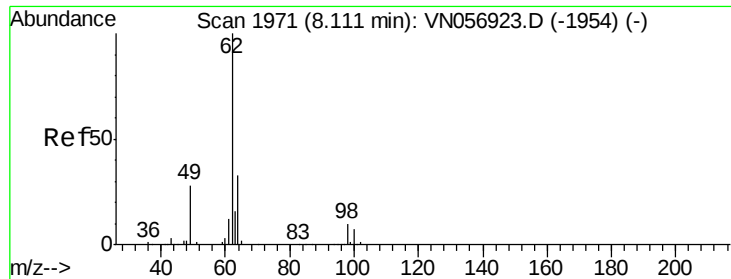
119 5.4 79.0 118.6#

121 0.0 25.1 37.7#



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





#42

1,2-Dichloroethane

Concen: 0.241 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

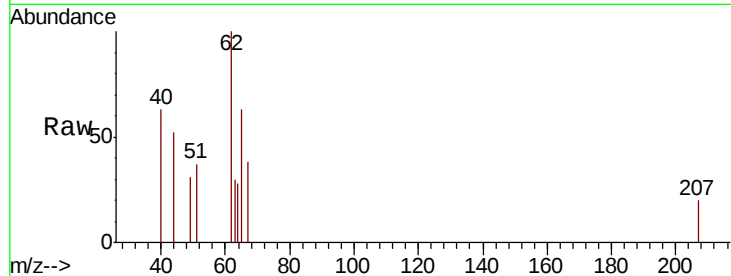
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 62 Resp: 1451

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VN056928.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN056928.D (-1954) (-)

8.12

800

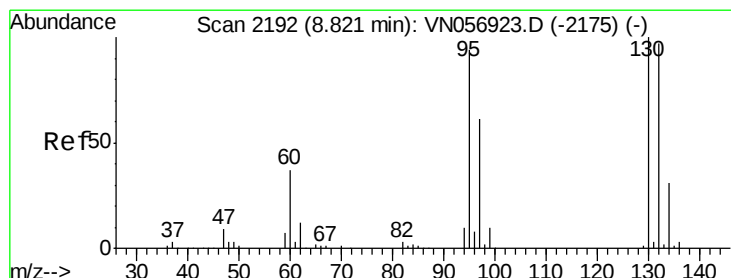
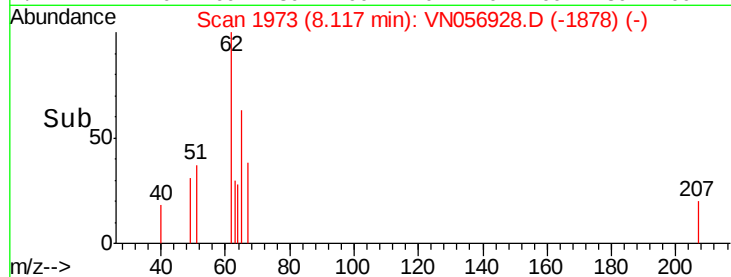
600

400

200

0

Time-->



#44

Trichloroethene

Concen: 0.203 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056928.D

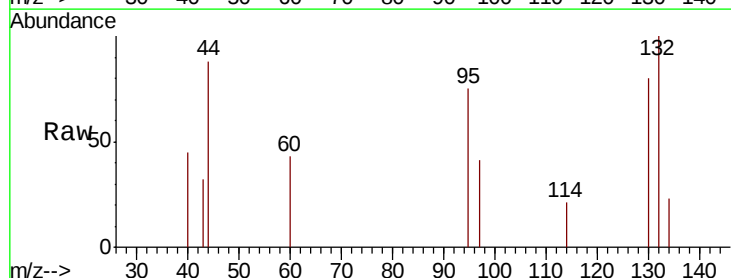
Acq: 25 Jul 2019 18:54

Tgt Ion: 130 Resp: 1082

Ion Ratio Lower Upper

130 100

95 93.5 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VN056928.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056928.D (-2175) (-)

8.82

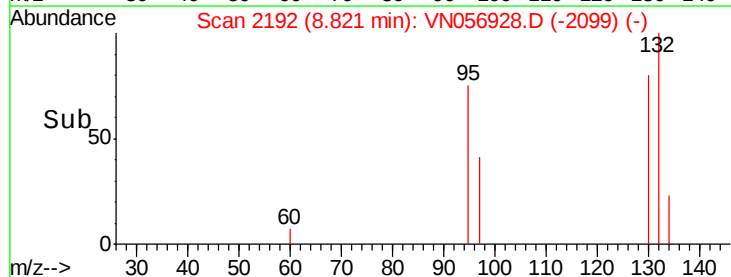
600

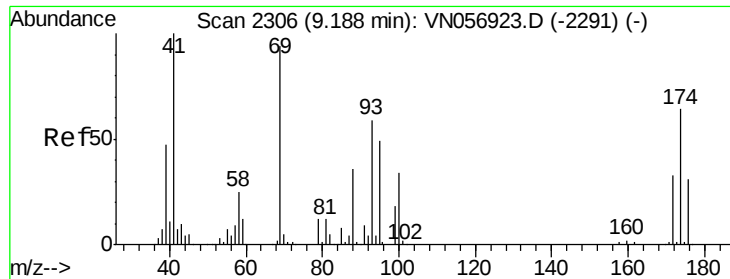
400

200

0

Time-->





#49

1,4-Dioxane

Concen: 0.346 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

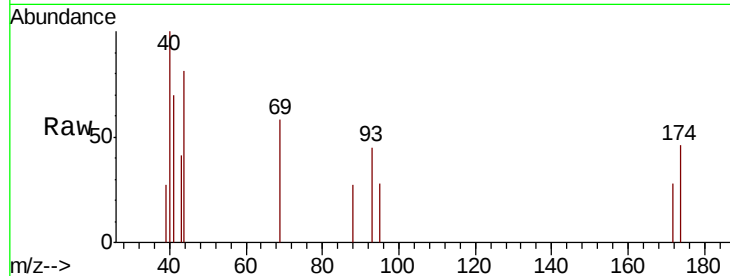
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 644.8 21.1 31.7#

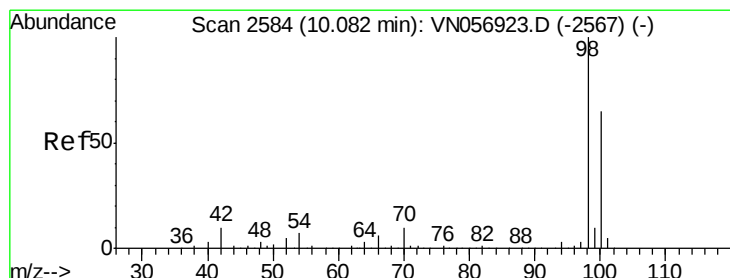
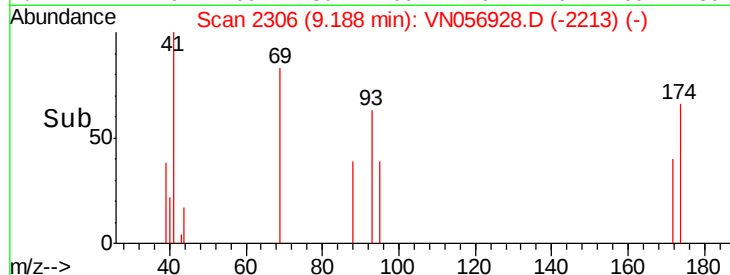
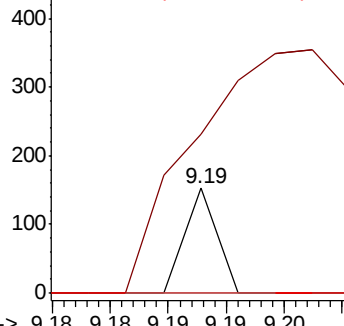
58 0.0 52.5 78.7#



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: 48.006 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN056928.D

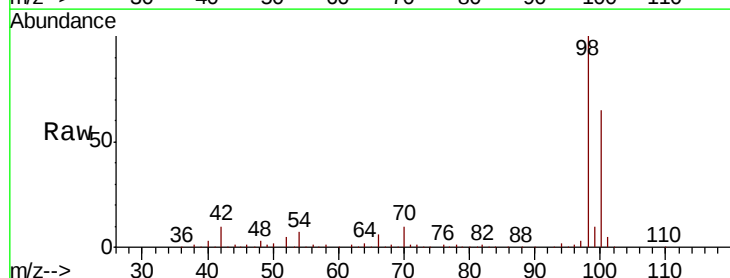
Acq: 25 Jul 2019 18:54

Tgt Ion: 98 Resp: 796570

Ion Ratio Lower Upper

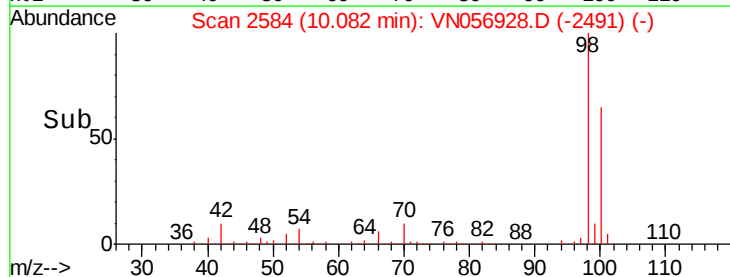
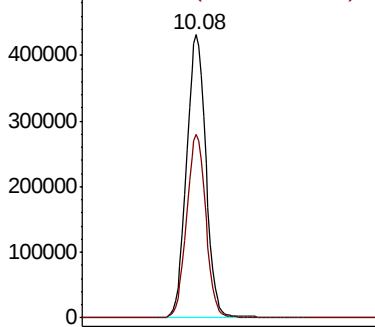
98 100

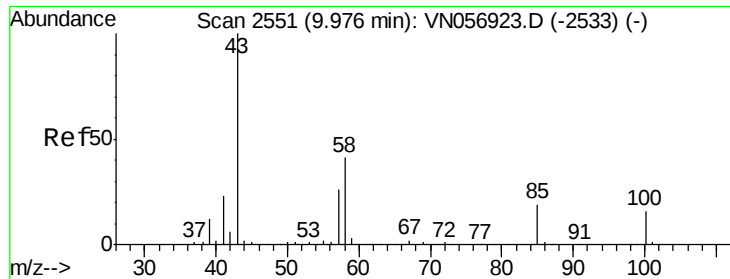
100 64.6 51.4 77.2



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: 0.817 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

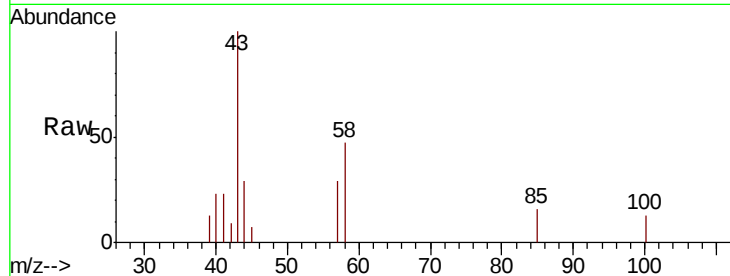
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 4053

Ion Ratio Lower Upper

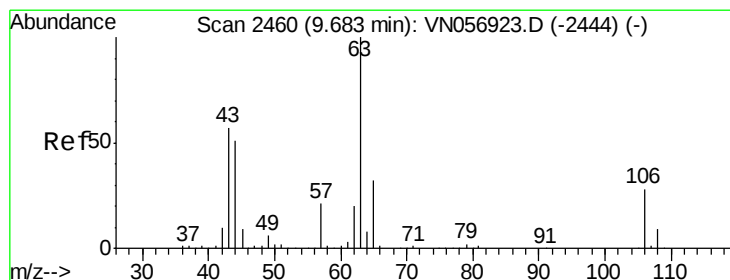
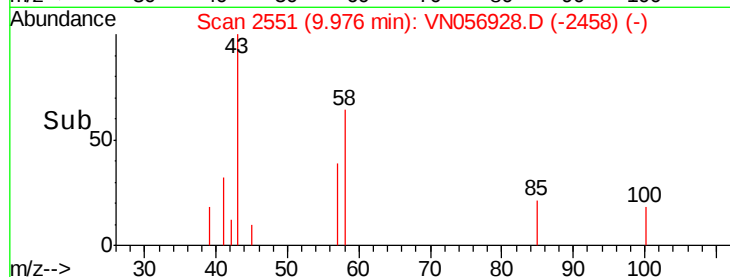
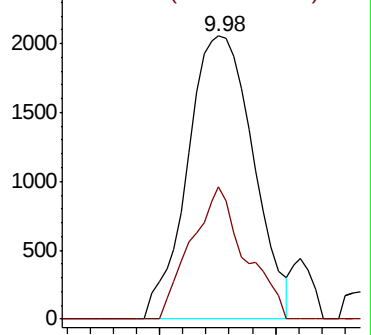
43 100

58 38.5 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN056928.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056928.D (-2533) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.731 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.01 min

Lab File: VN056928.D

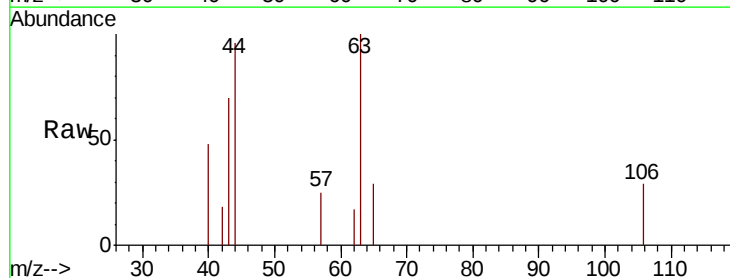
Acq: 25 Jul 2019 18:54

Tgt Ion: 63 Resp: 1817

Ion Ratio Lower Upper

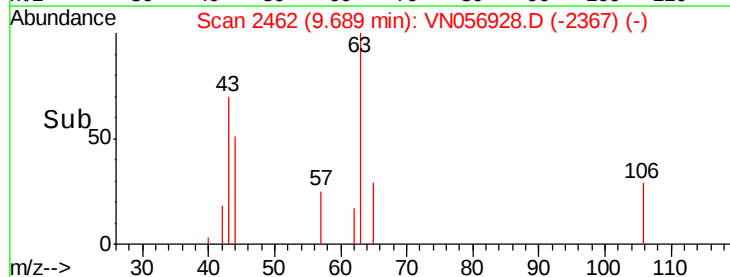
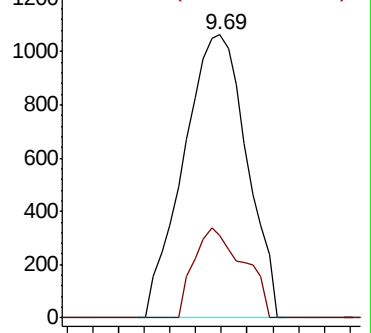
63 100

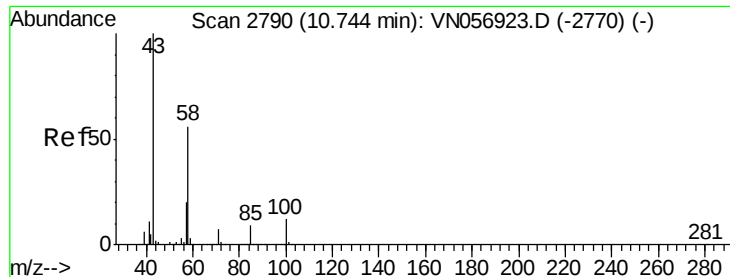
106 25.0 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VN056928.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN056928.D (-2444) (-)

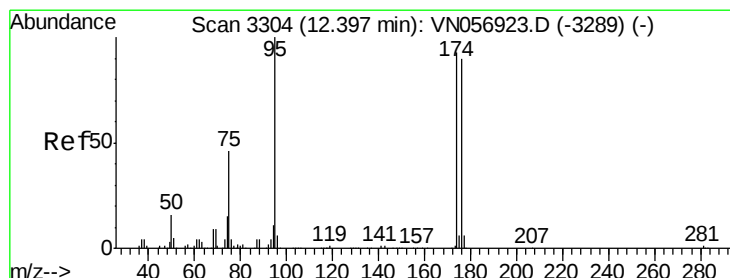
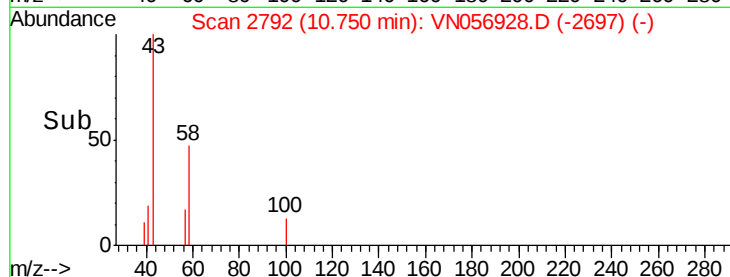
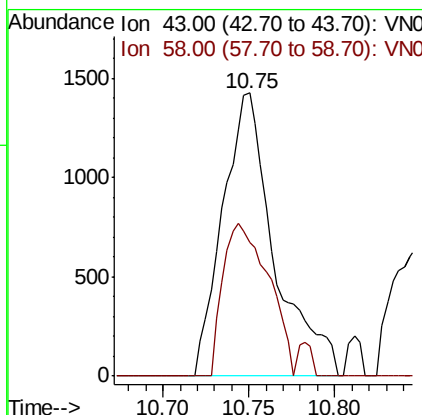
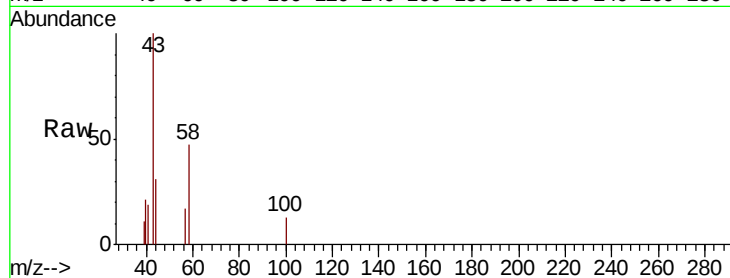




#59
2-Hexanone
Concen: 0.878 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

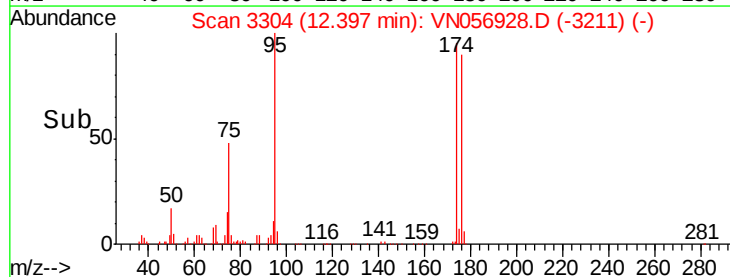
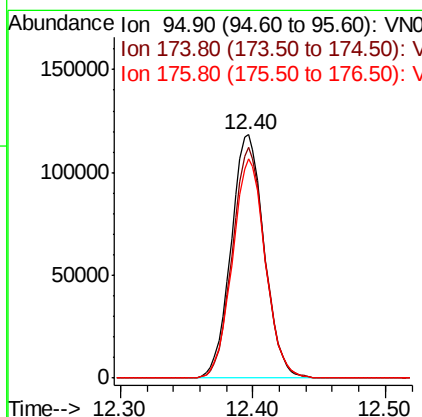
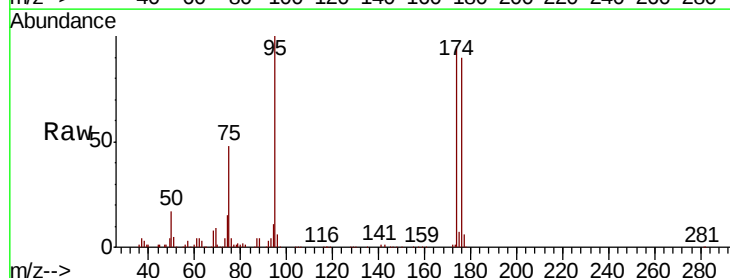
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

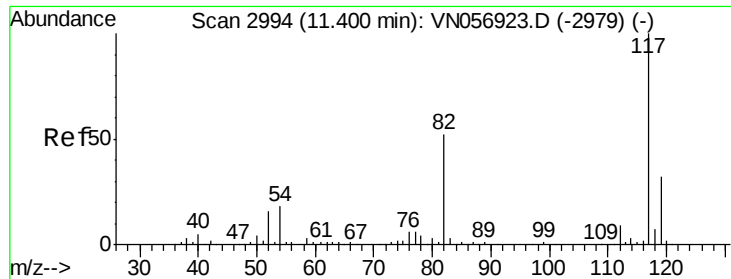
Tot Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
58 47.5 28.2 84.6



#62
4-Bromofluorobenzene
Concen: 37.885 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 95 Resp: 205262
Ion Ratio Lower Upper
95 100
174 93.3 0.0 186.2
176 89.4 0.0 179.6

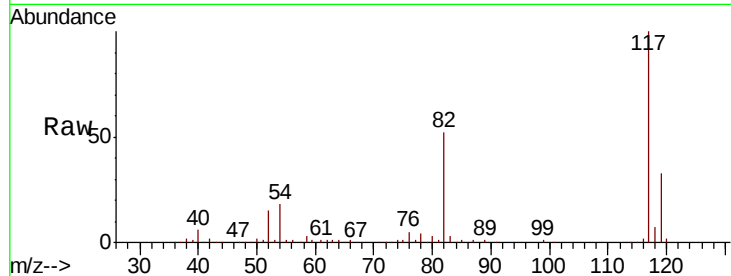




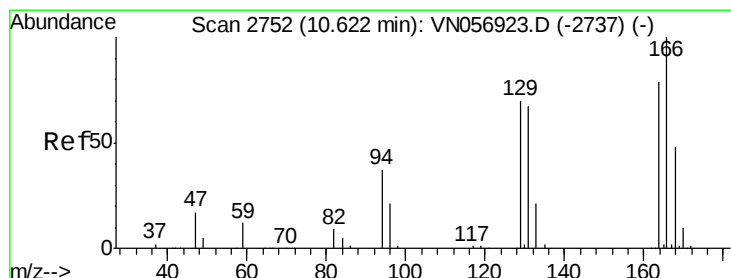
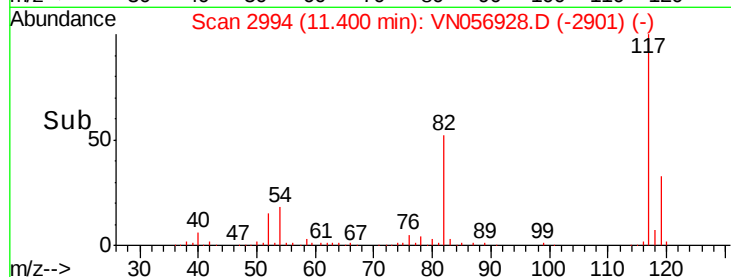
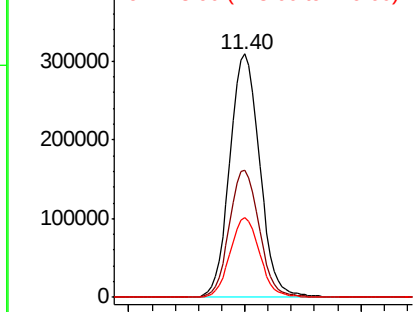
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:117 Resp: 555354
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 32.5 25.5 38.3

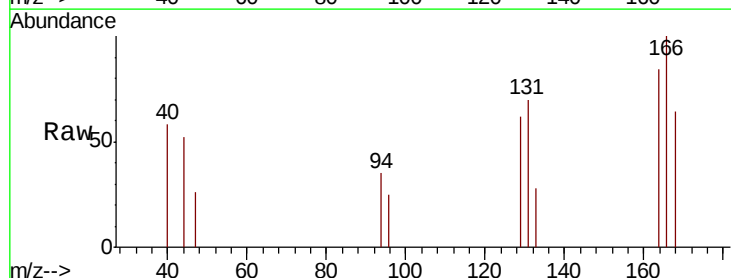


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

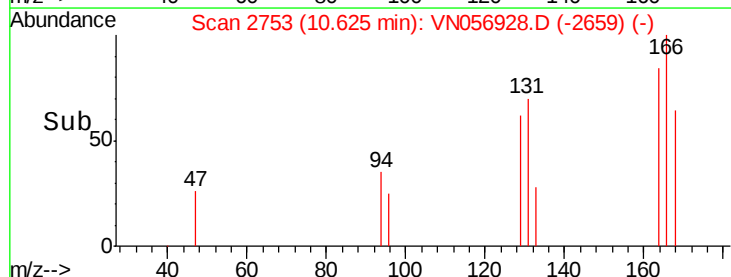
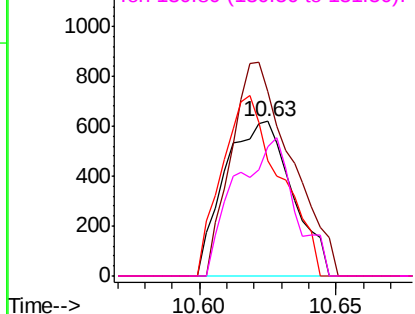


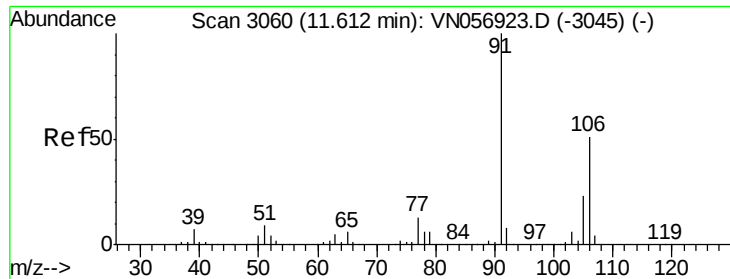
#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:164 Resp: 1066
Ion Ratio Lower Upper
164 100
166 119.4 101.6 152.4
129 74.3 70.9 106.3
131 83.8 68.4 102.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

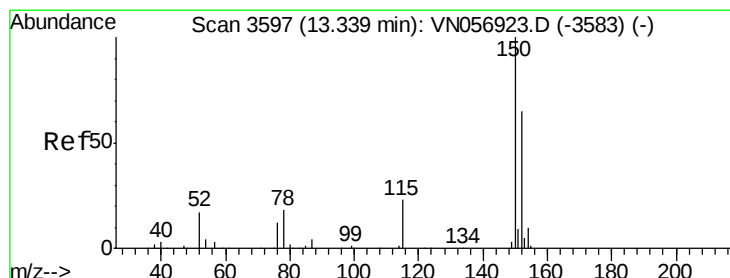
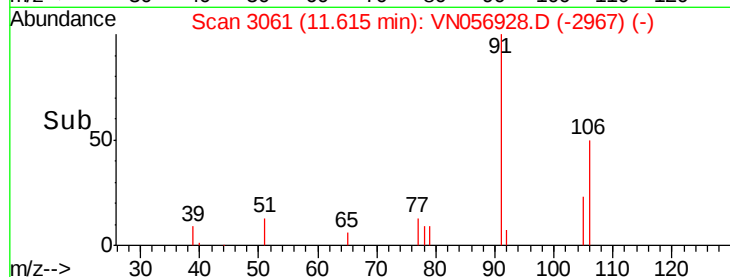
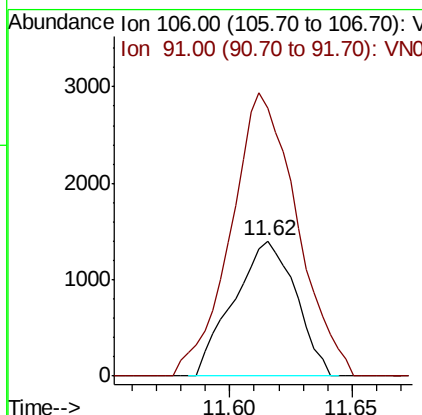
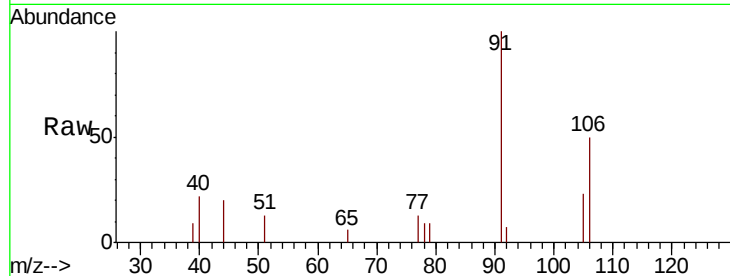




#68
m/p-Xvlenes
Concen: 0.332 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

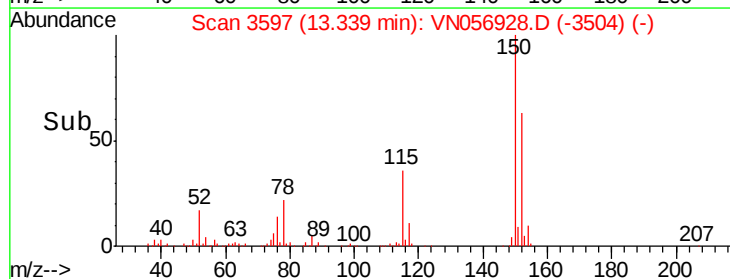
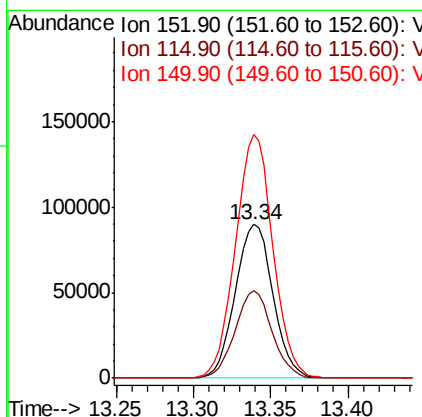
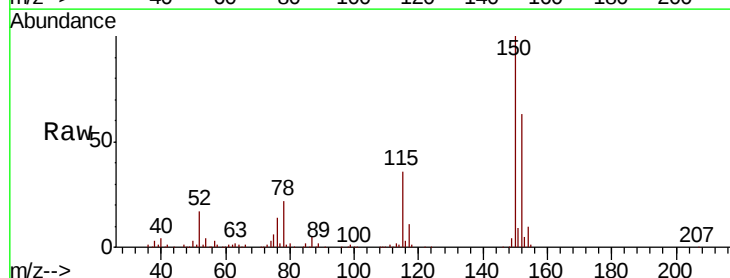
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

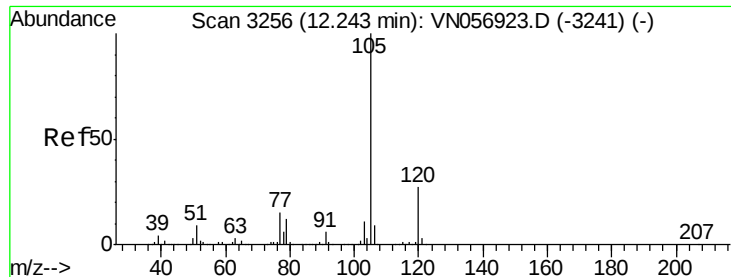
Tot Ion:106 Resp: 2474
Ion Ratio Lower Upper
106 100
91 223.4 159.6 239.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion:152 Resp: 152150
Ion Ratio Lower Upper
152 100
115 55.6 27.9 83.7
150 157.0 0.0 354.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3255

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

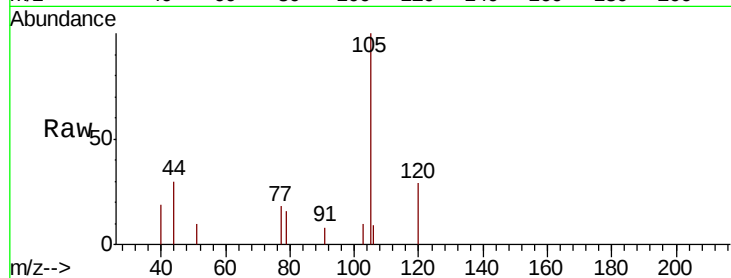
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 105 Resp: 3223

Ion Ratio Lower Upper

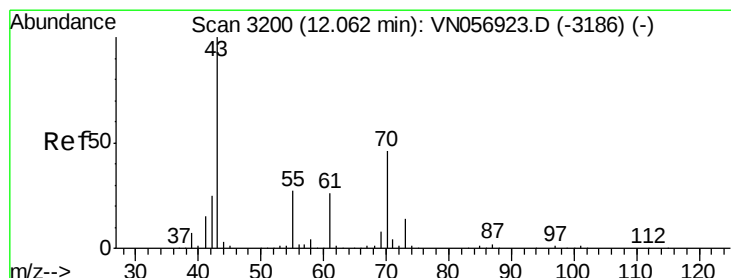
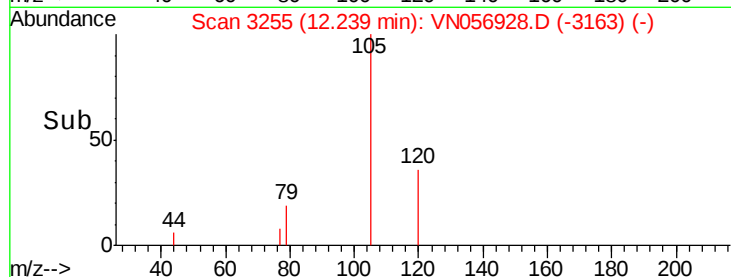
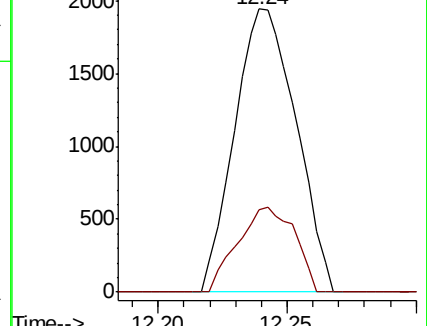
105 100

120 27.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.242 ug/l

RT: 12.06 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Tgt Ion: 43 Resp: 984

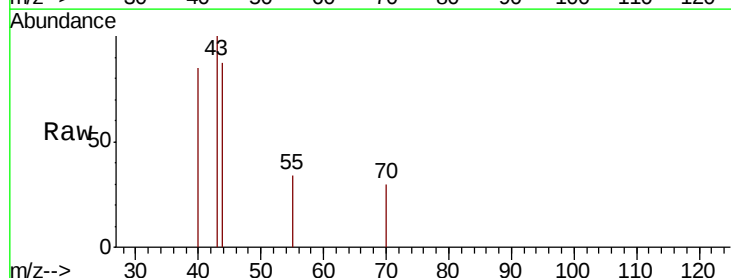
Ion Ratio Lower Upper

43 100

70 29.1 35.9 53.9#

55 32.8 21.4 32.2#

61 0.0 20.3 30.5#

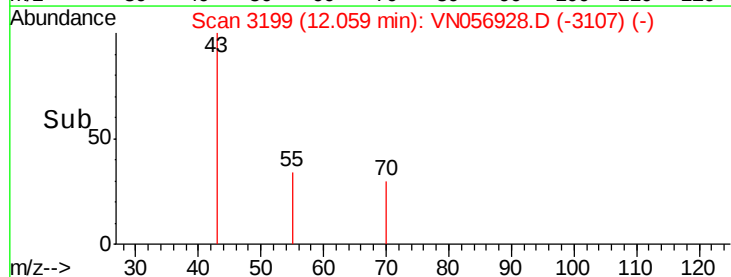
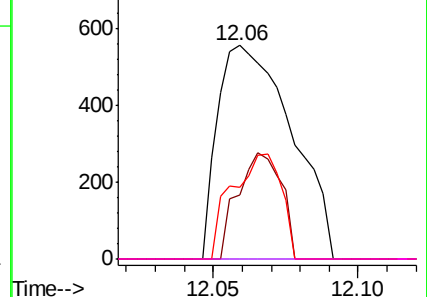


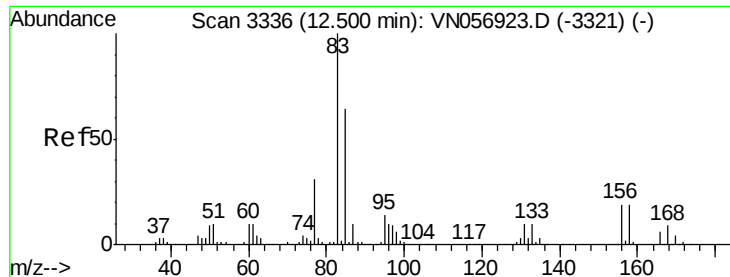
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.239 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

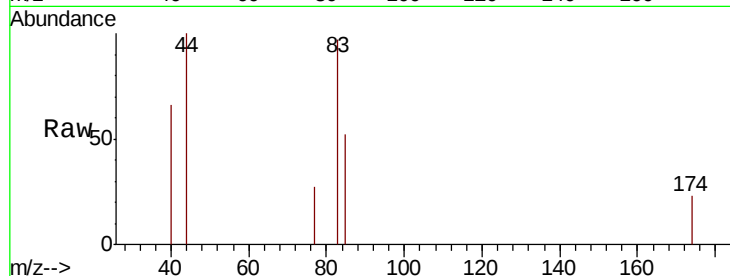
Tot Ion: 83 Resp: 953

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

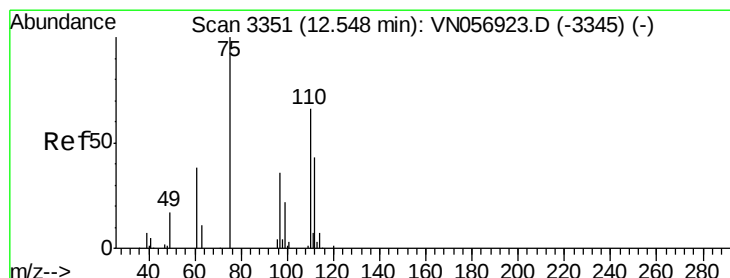
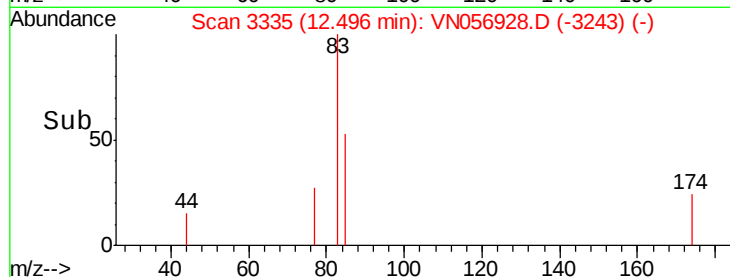
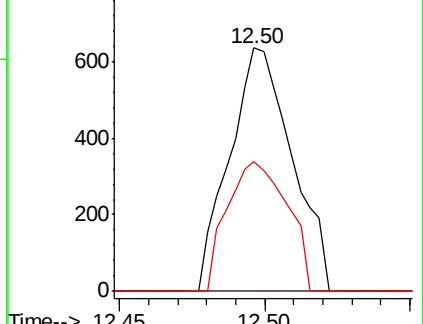
85 51.3 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.216 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN056928.D

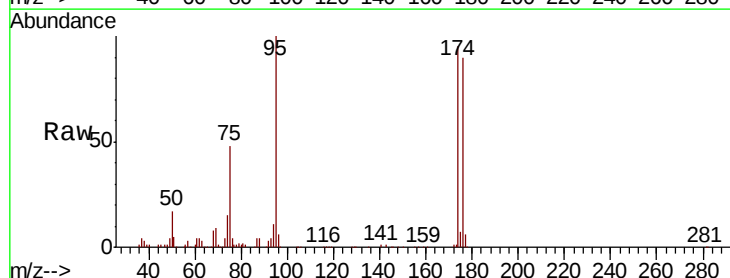
Acq: 25 Jul 2019 18:54

Tgt Ion: 75 Resp: 95096

Ion Ratio Lower Upper

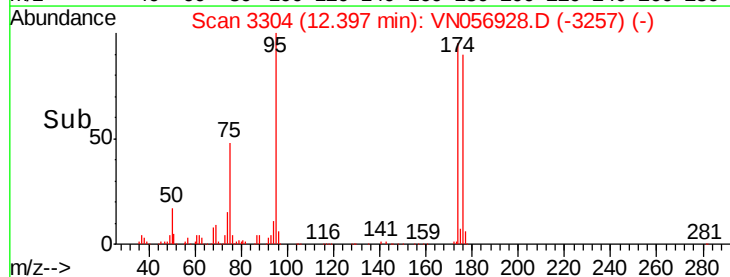
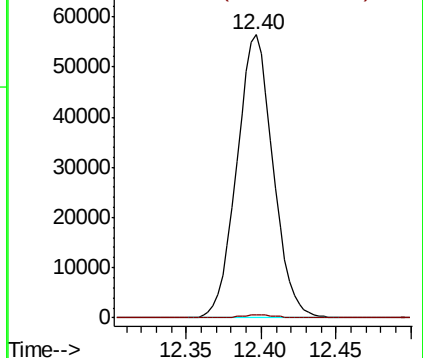
75 100

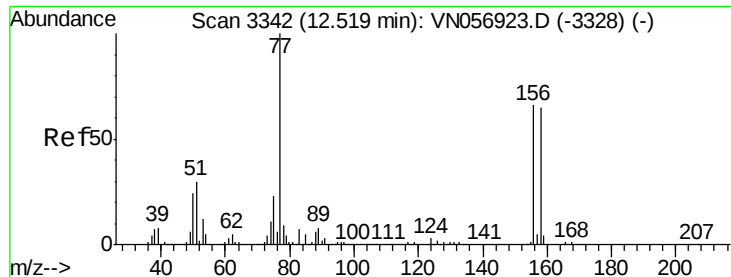
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.246 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

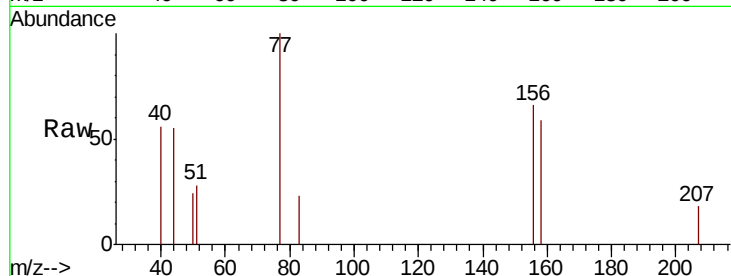
Tot Ion:156 Resp: 871

Ion Ratio Lower Upper

156 100

77 141.9 90.8 272.3

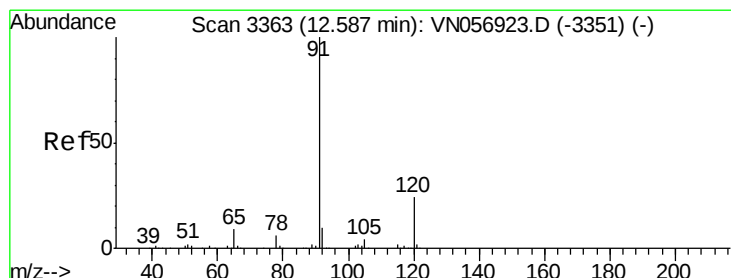
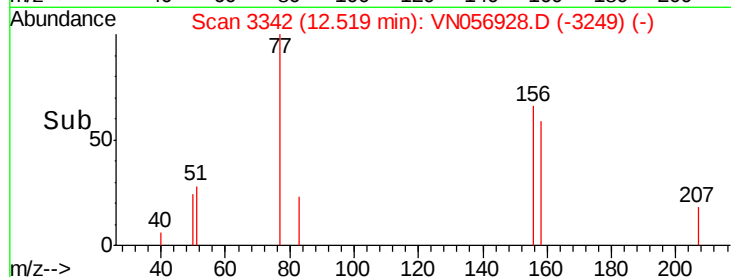
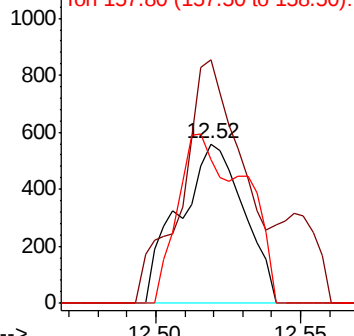
158 109.0 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.240 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN056928.D

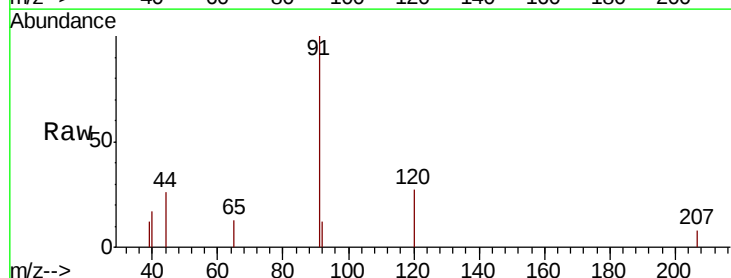
Acq: 25 Jul 2019 18:54

Tgt Ion: 91 Resp: 3516

Ion Ratio Lower Upper

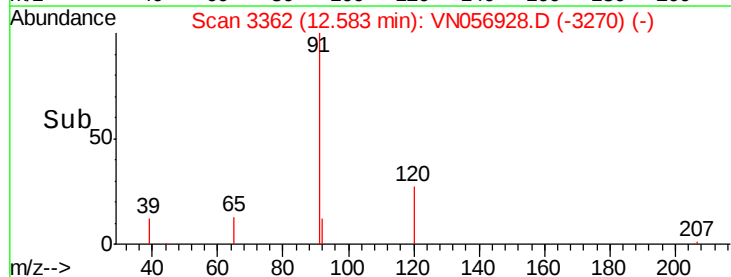
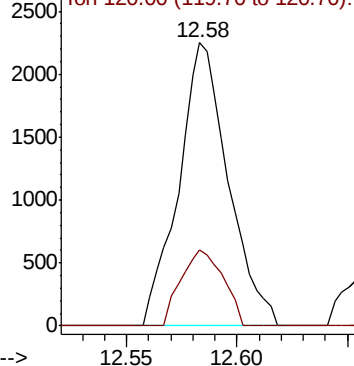
91 100

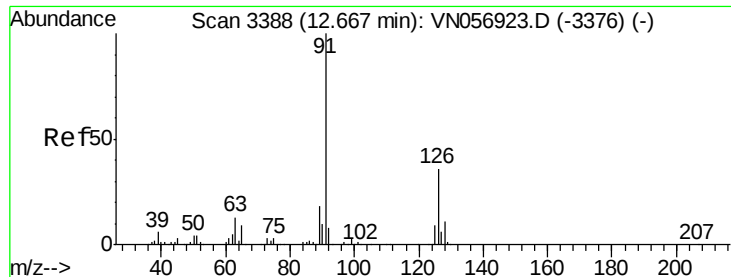
120 22.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.220 ug/l

RT: 12.76 min Scan# 3418

Delta R.T. 0.10 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

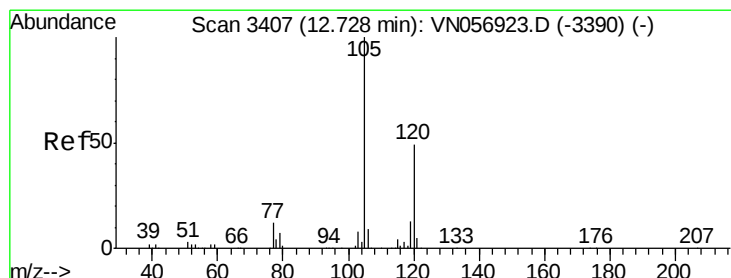
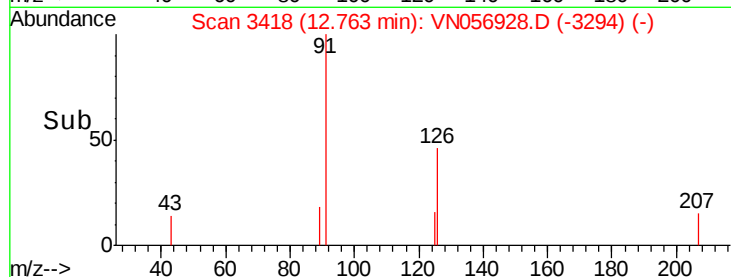
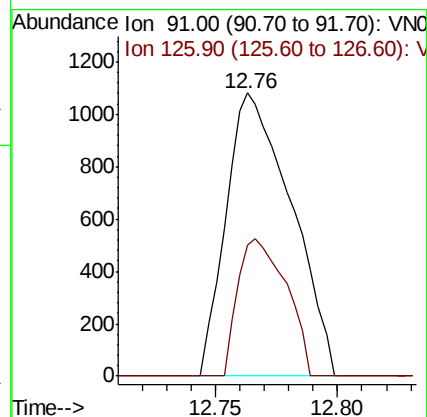
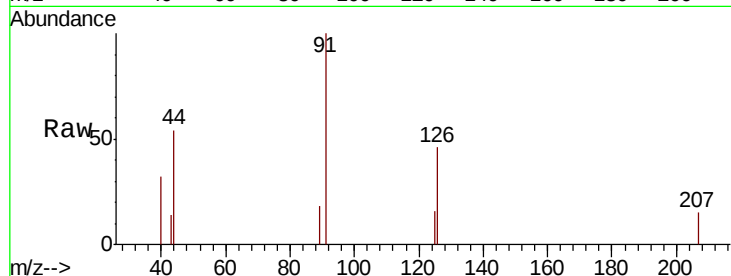
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 2005

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056928.D

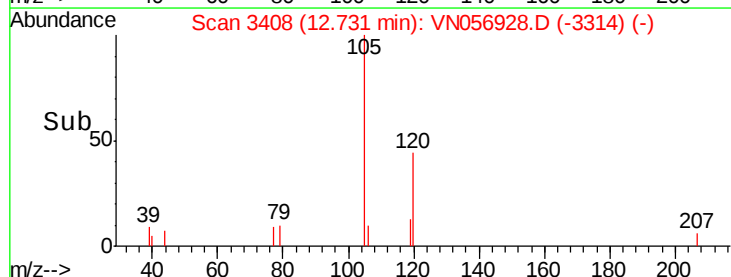
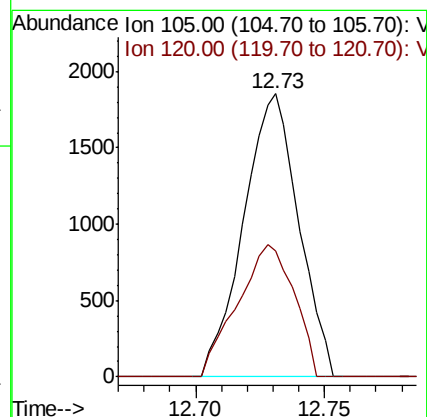
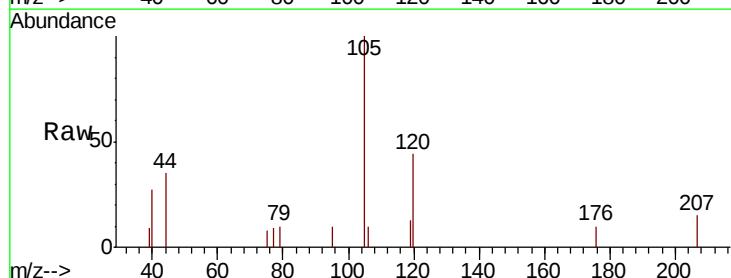
Acq: 25 Jul 2019 18:54

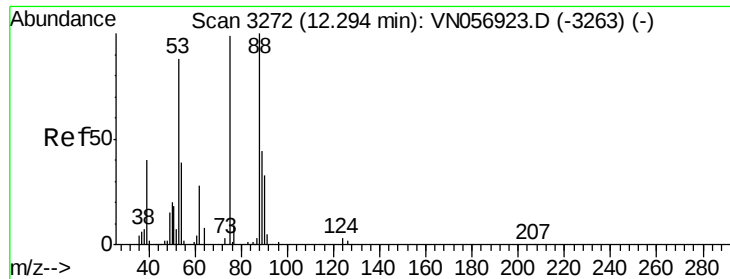
Tgt Ion: 105 Resp: 2760

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 98.454 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

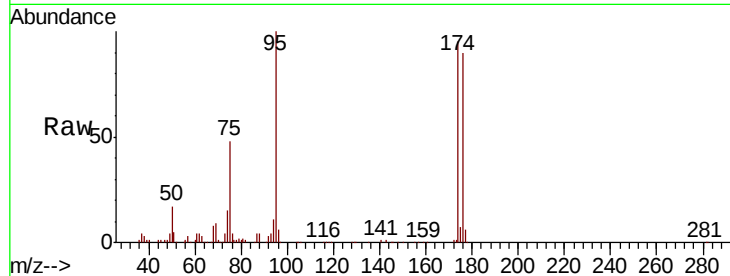
Tot Ion: 75 Resp: 95096

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

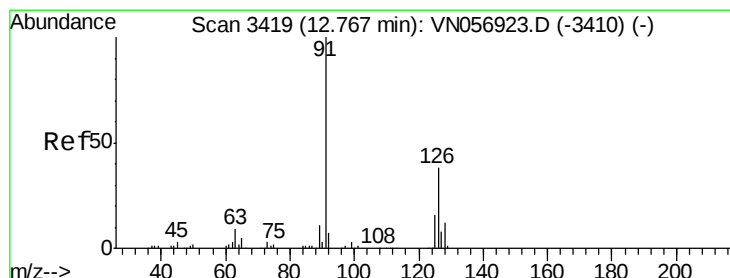
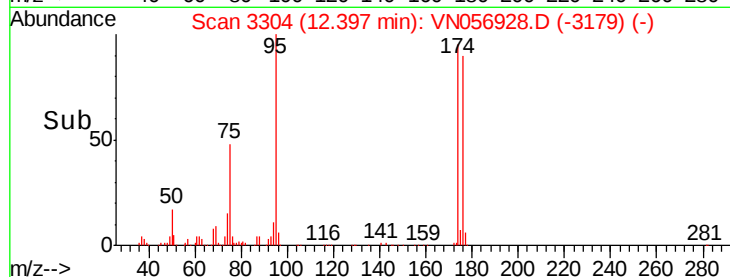
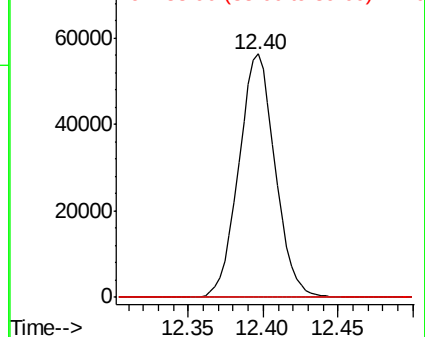
89 0.0 36.2 54.2#



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: 0.240 ug/l

RT: 12.76 min Scan# 3418

Delta R.T. -0.00 min

Lab File: VN056928.D

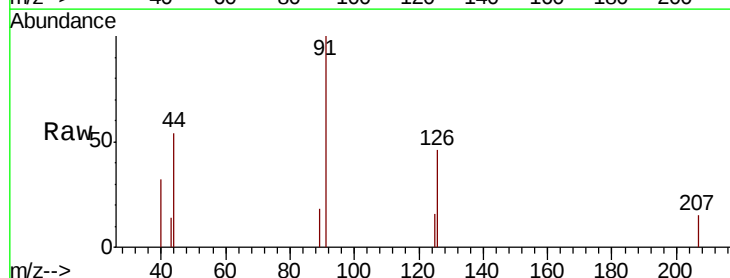
Acq: 25 Jul 2019 18:54

Tgt Ion: 91 Resp: 2005

Ion Ratio Lower Upper

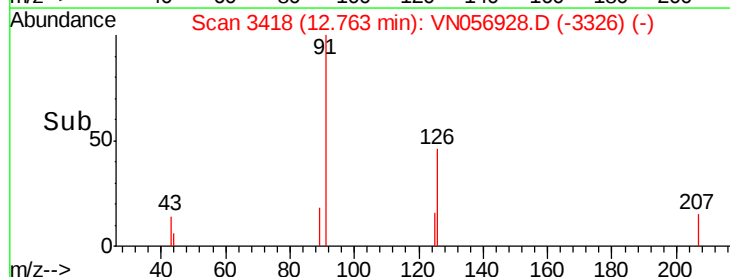
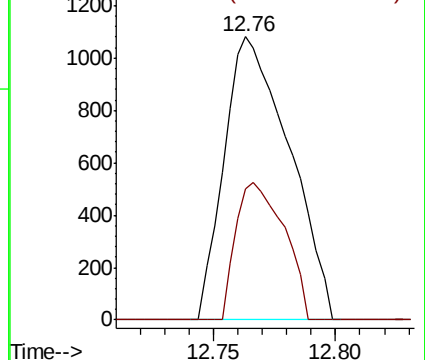
91 100

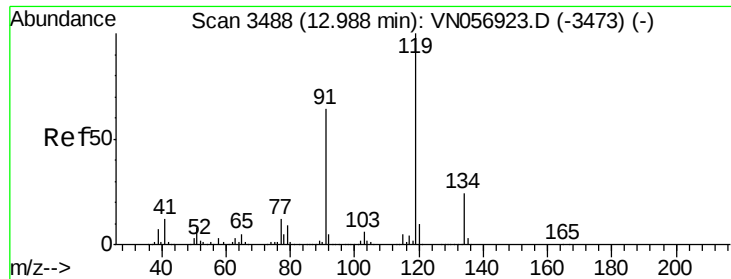
126 36.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

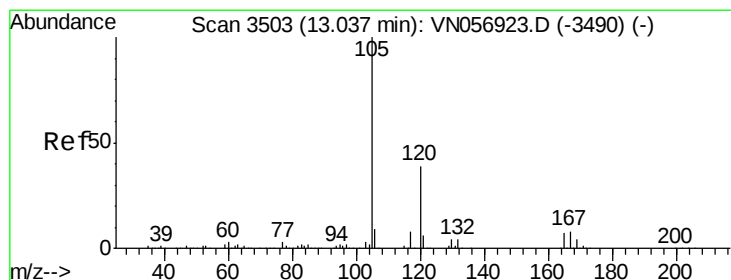
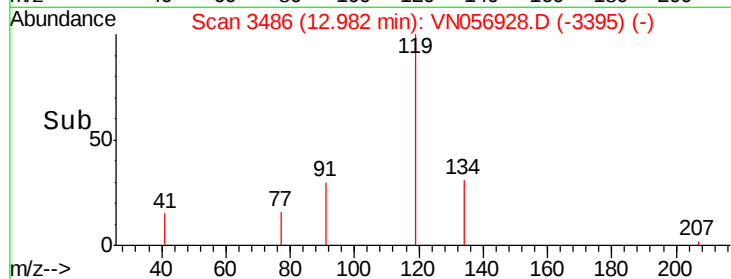
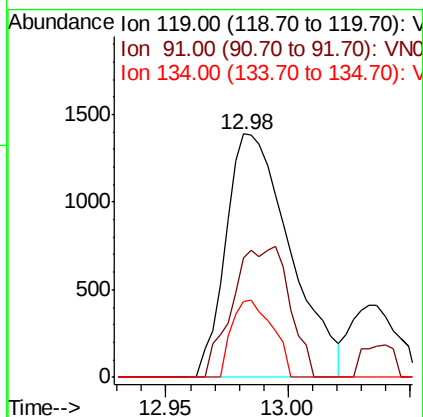
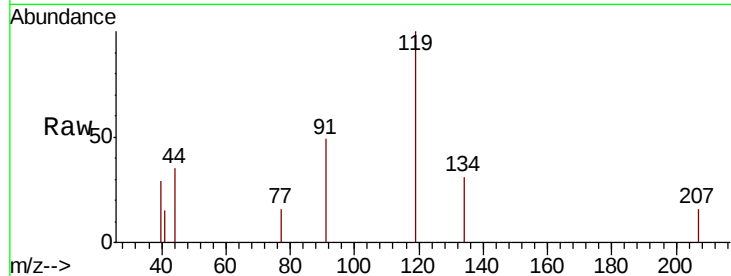




#83
 tert-Butylbenzene
 Concen: 0.252 ug/l
 RT: 12.98 min Scan# 3486
 Delta R.T. -0.01 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

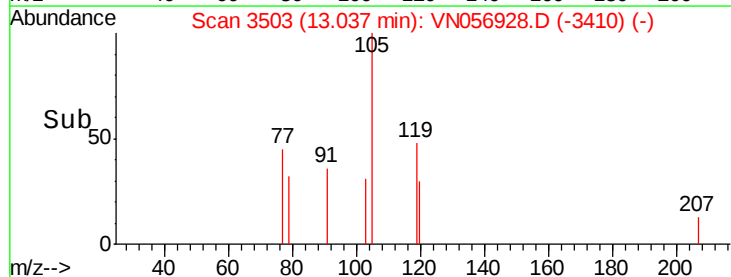
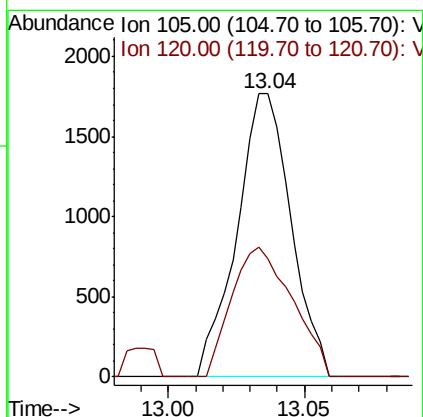
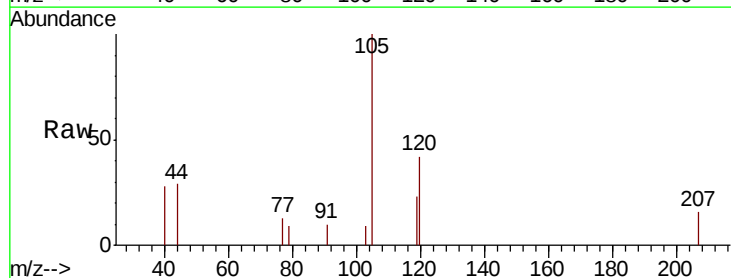
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

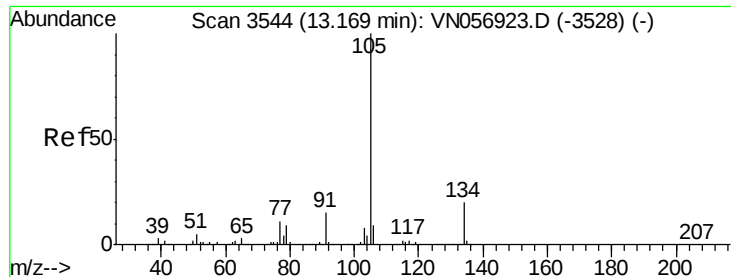
Tot Ion:119 Resp: 2536
 Ion Ratio Lower Upper
 119 100
 91 47.4 31.6 95.0
 134 20.0 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.225 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Tgt Ion:105 Resp: 2435
 Ion Ratio Lower Upper
 105 100
 120 51.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.273 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

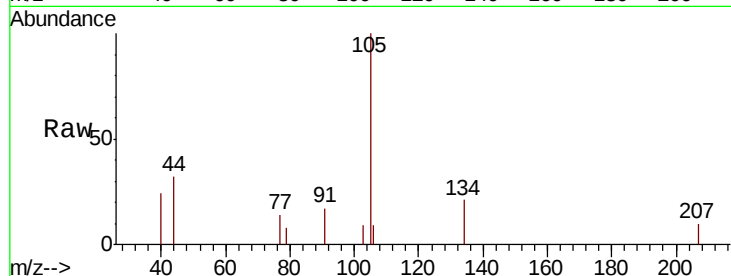
LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 3475

Ion Ratio Lower Upper

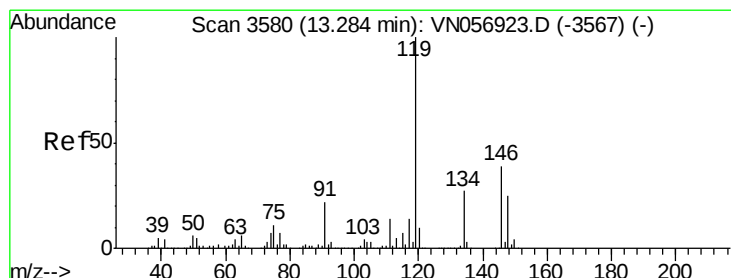
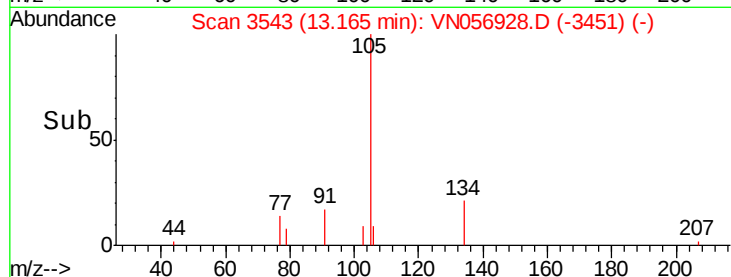
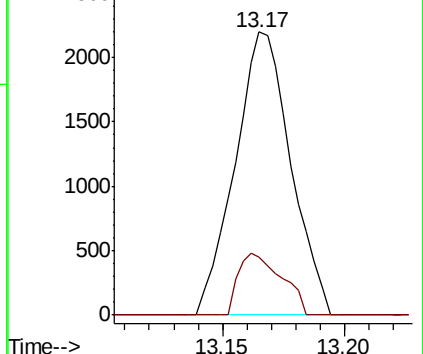
105 100

134 17.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.248 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

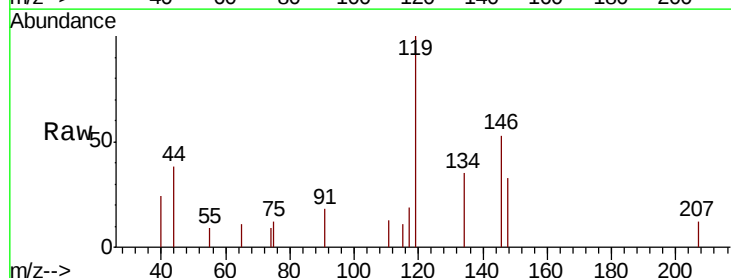
Tgt Ion:119 Resp: 2788

Ion Ratio Lower Upper

119 100

134 29.9 13.5 40.5

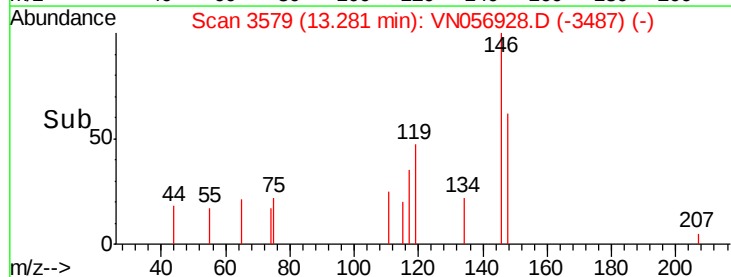
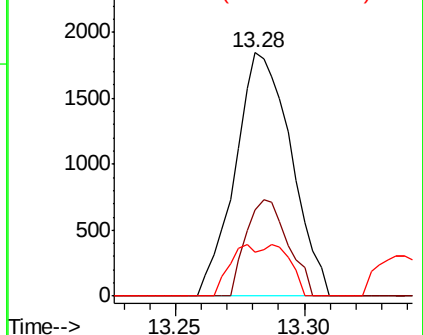
91 10.3 11.0 33.0#

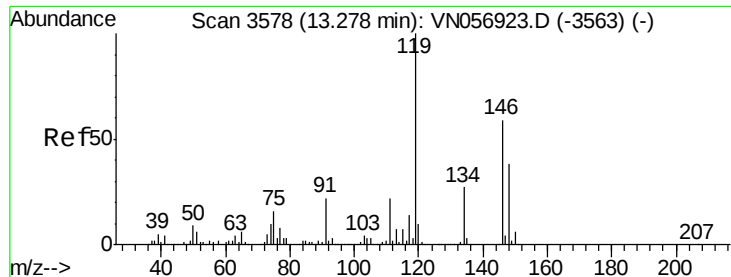


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

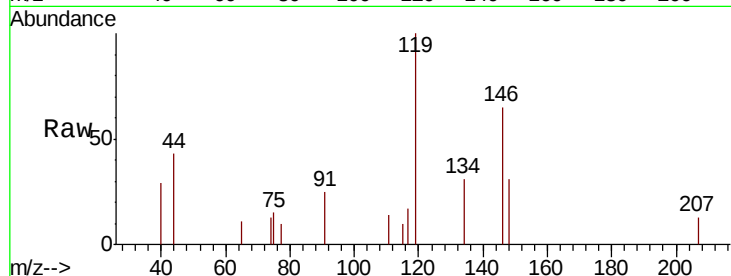




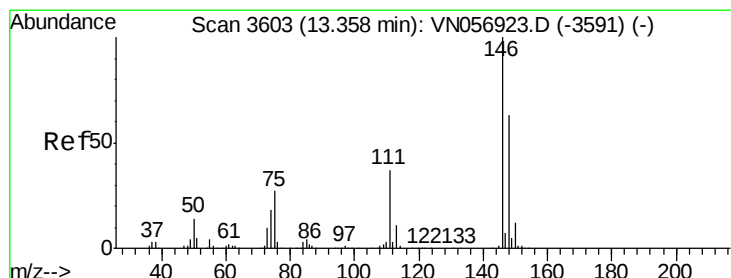
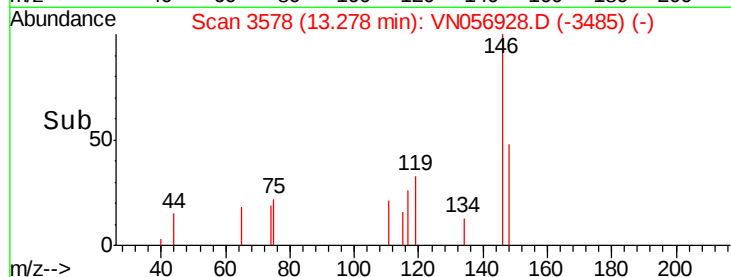
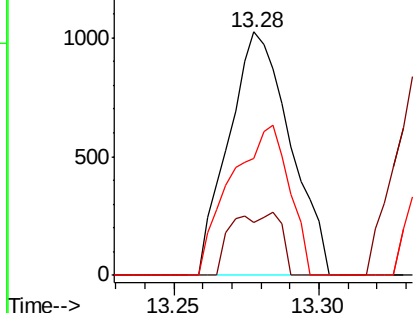
#87
 1,3-Dichlorobenzene
 Concen: 0.285 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:146 Resp: 1509
 Ion Ratio Lower Upper
 146 100
 111 11.3 18.6 56.0#
 148 58.3 31.6 94.7

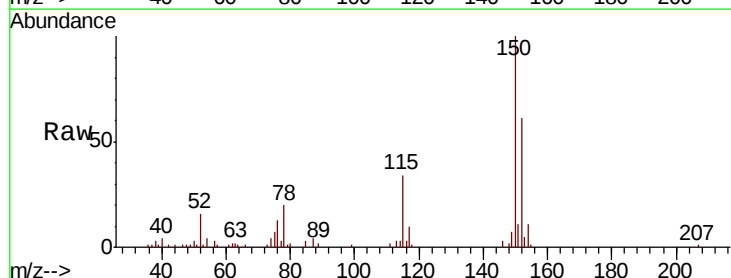


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

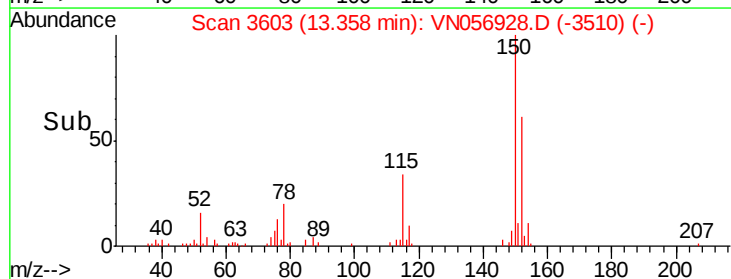
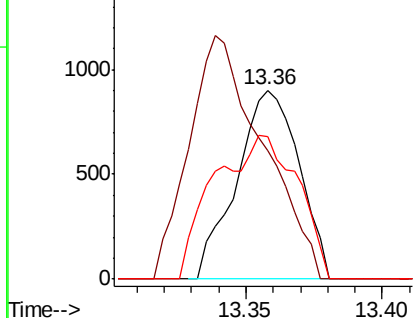


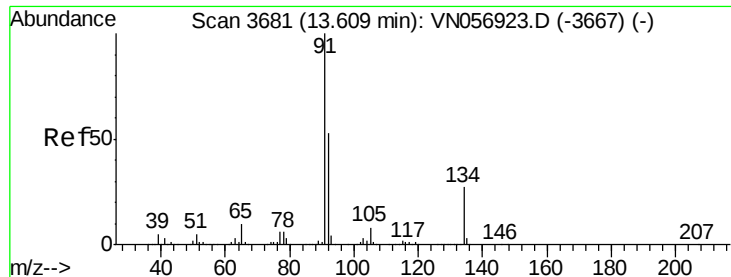
#88
 1,4-Dichlorobenzene
 Concen: 0.281 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Tgt Ion:146 Resp: 1425
 Ion Ratio Lower Upper
 146 100
 111 152.2 18.9 56.5#
 148 102.2 32.1 96.3#



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

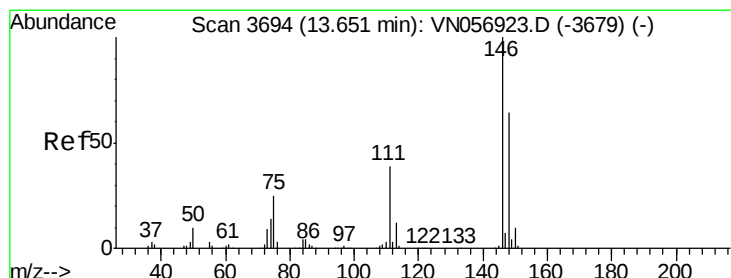
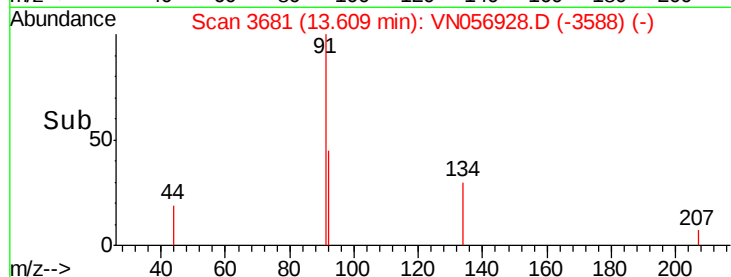
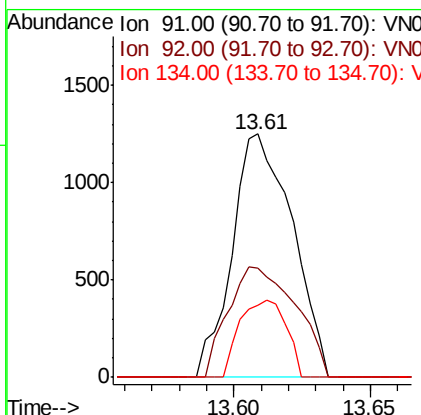
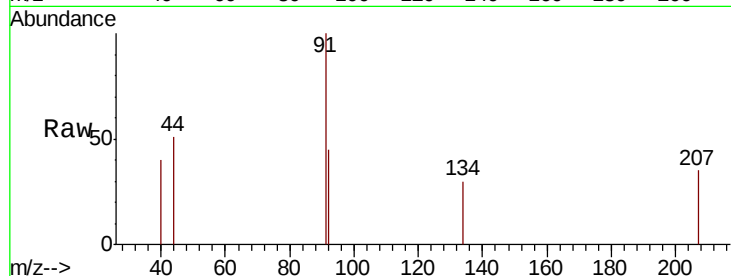




#89
n-Butylbenzene
Concen: 0.220 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

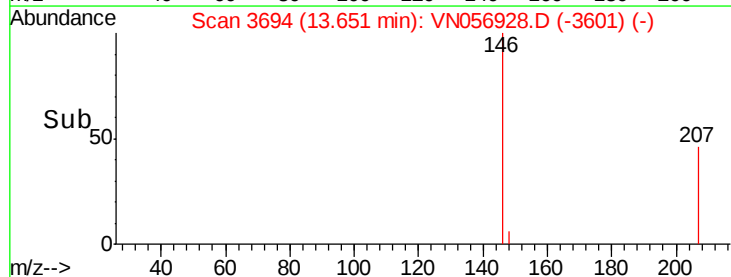
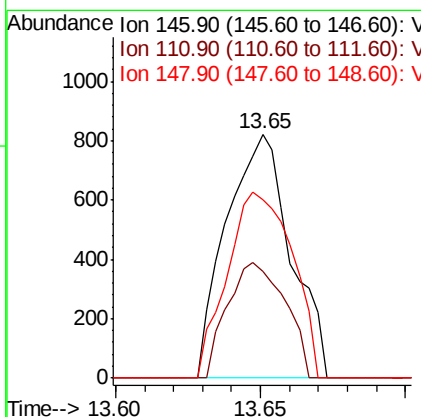
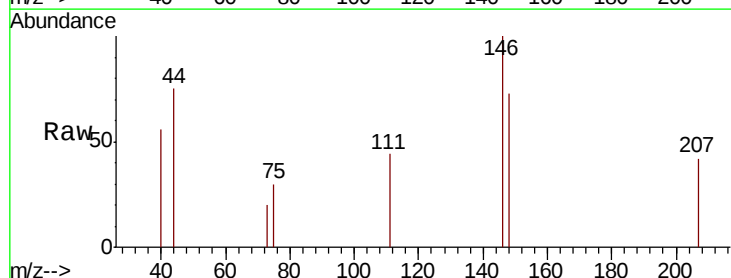
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

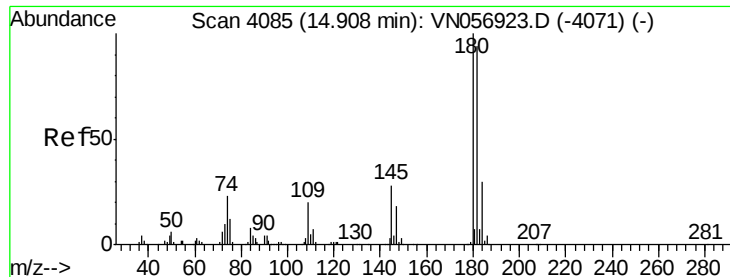
Tot Ion: 91 Resp: 1912
Ion Ratio Lower Upper
91 100
92 50.9 26.5 79.5
134 24.4 13.5 40.5



#91
1,2-Dichlorobenzene
Concen: 0.237 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN056928.D
Acq: 25 Jul 2019 18:54

Tgt Ion: 146 Resp: 1271
Ion Ratio Lower Upper
146 100
111 42.3 19.6 58.8
148 76.9 32.2 96.6

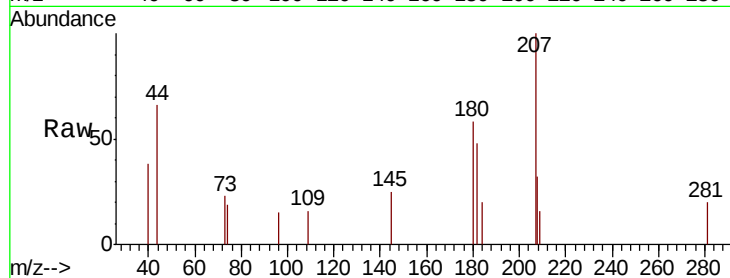




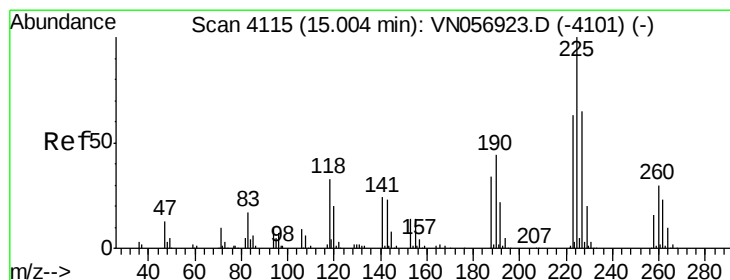
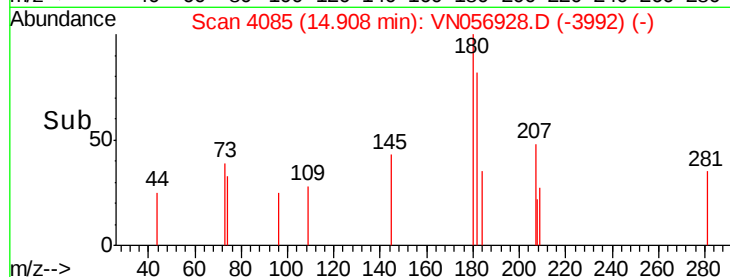
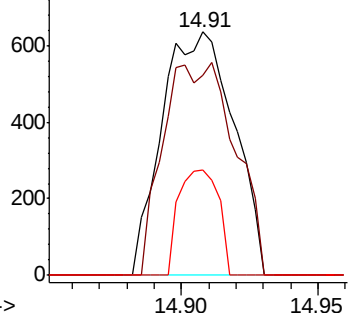
#93
 1,2,4-Trichlorobenzene
 Concen: 0.525 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:180 Resp: 1163
 Ion Ratio Lower Upper
 180 100
 182 41.9 47.9 143.8#
 145 23.6 14.1 42.4

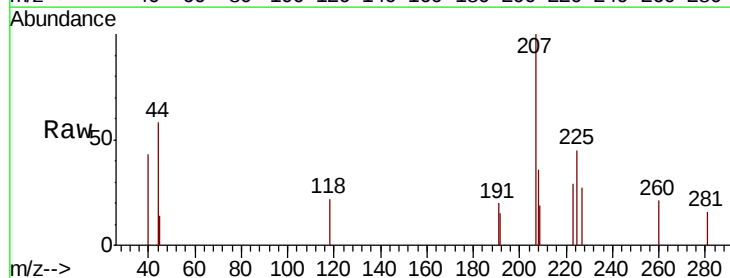


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

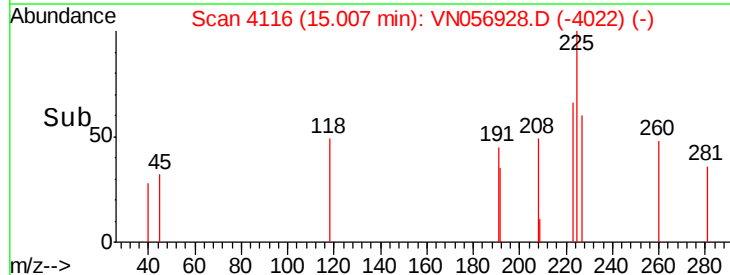
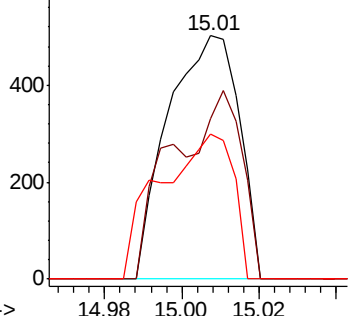


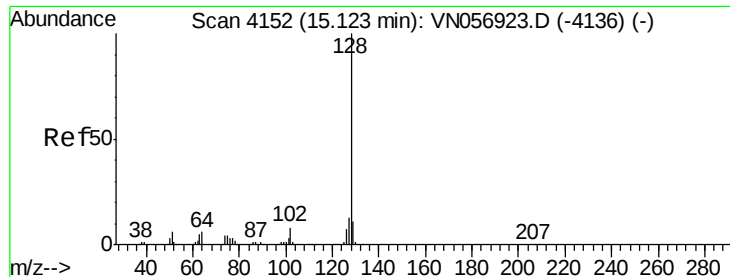
#94
 Hexachlorobutadiene
 Concen: 0.296 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056928.D
 Acq: 25 Jul 2019 18:54

Tgt Ion:225 Resp: 641
 Ion Ratio Lower Upper
 225 100
 223 45.2 31.3 93.9
 227 61.8 31.9 95.7



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: 0.367 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

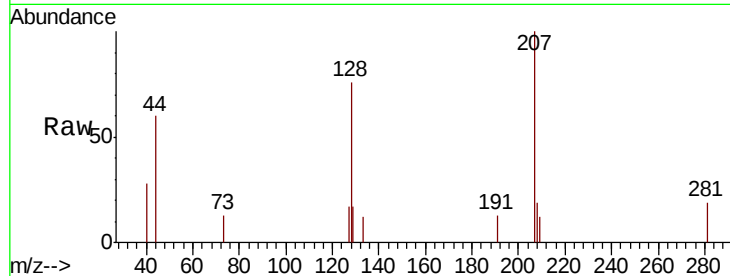
Tot Ion:128 Resp: 2055

Ion Ratio Lower Upper

128 100

127 9.9 10.2 15.2#

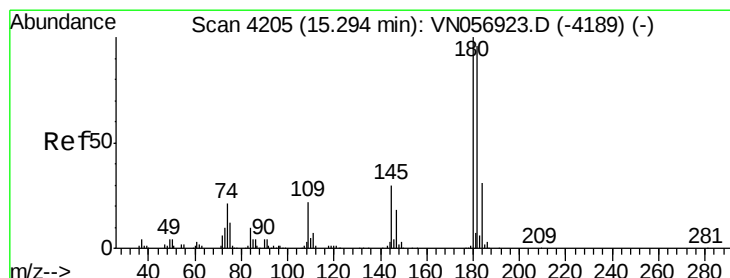
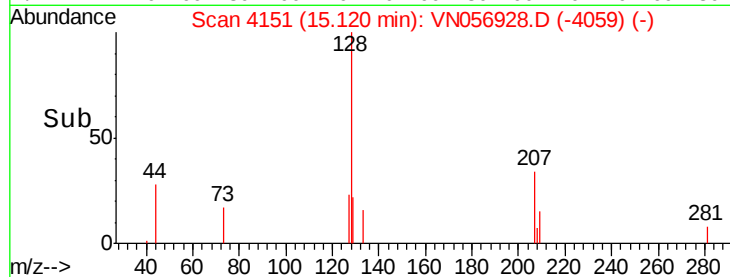
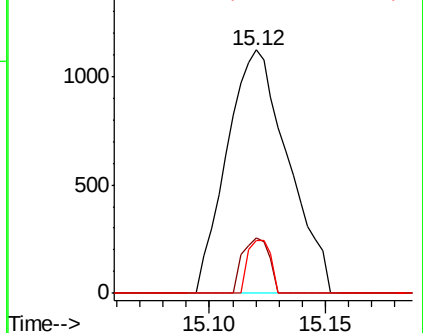
129 8.2 8.6 13.0#



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: 0.509 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN056928.D

Acq: 25 Jul 2019 18:54

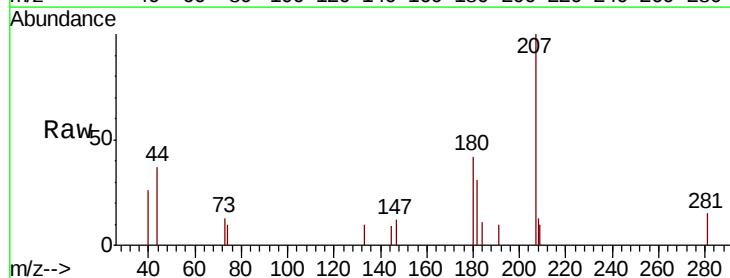
Tgt Ion:180 Resp: 1224

Ion Ratio Lower Upper

180 100

182 90.1 48.4 145.3

145 20.6 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

