

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040268.D
 Acq On : 24 Sep 2020 13:04
 Operator : SY/MD
 Sample : L4485-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-01

Quant Time: Sep 25 09:41:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	411042	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	394882	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	191655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	161826	47.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.68%
7) Chloroethane-d5	1.92	69	122129	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.30%
11) 1,1-Dichloroethene-d2	2.58	63	243100	36.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.18%
21) 2-Butanone-d5	4.64	46	320583	110.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.70%
24) Chloroform-d	5.08	84	282001	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
26) 1,2-Dichloroethane-d4	5.72	65	205114	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
32) Benzene-d6	5.74	84	556717	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
36) 1,2-Dichloropropane-d6	6.70	67	187380	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.00%
41) Toluene-d8	7.91	98	487328	48.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.64%
43) trans-1,3-Dichloropropene-	8.19	79	92742	48.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.36%
47) 2-Hexanone-d5	8.64	63	191413	114.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.12%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	263360	49.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.30%
66) 1,2-Dichlorobenzene-d4	12.19	152	191293	51.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6214	2.123 ug/L	93
3) Chloromethane	1.53	50	7207	2.034 ug/L	94
5) Vinyl chloride	1.61	62	7848	2.219 ug/L #	59
6) Bromomethane	1.86	94	3860	2.113 ug/L	100
8) Chloroethane	1.94	64	4972	2.189 ug/L	94
9) Trichlorofluoromethane	2.15	101	9990	2.037 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	8371	2.682 ug/L #	75
12) 1,1-Dichloroethene	2.59	96	7608	2.610 ug/L #	1
13) Acetone	2.64	43	13891	4.514 ug/L	96
14) Carbon disulfide	2.81	76	20845	2.247 ug/L	99
15) Methyl Acetate	2.96	43	10314	2.236 ug/L	94
16) Methylene chloride	3.06	84	7495	2.170 ug/L	96
17) trans-1,2-Dichloroethene	3.37	96	6231	2.066 ug/L	97
18) Methyl tert-butyl Ether	3.38	73	20044	2.020 ug/L	96
19) 1,1-Dichloroethane	3.89	63	12807	2.026 ug/L #	85
20) cis-1,2-Dichloroethene	4.69	96	7173	2.174 ug/L	97
22) 2-Butanone	4.73	43	16284	4.460 ug/L	100

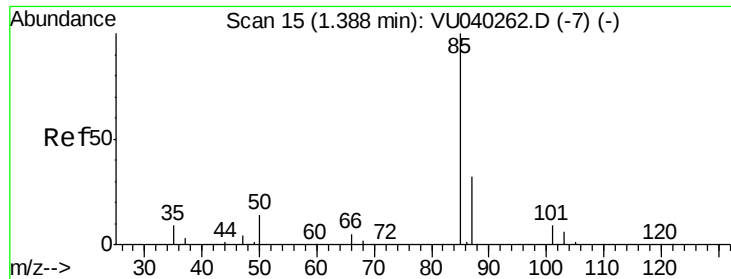
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040268.D
 Acq On : 24 Sep 2020 13:04
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	3322	1.920	ug/L	87
25) Chloroform	5.11	83	19780	3.097	ug/L	92
27) 1,2-Dichloroethane	5.81	62	12193	2.257	ug/L	100
29) Cyclohexane	5.41	56	10833	1.985	ug/L	93
30) 1,1,1-Trichloroethane	5.34	97	11731	2.267	ug/L	96
31) Carbon tetrachloride	5.54	117	9359	2.092	ug/L	98
33) Benzene	5.79	78	27147	2.081	ug/L	100
34) Trichloroethene	6.55	95	7187	2.151	ug/L	95
35) Methylcyclohexane	6.77	83	9901	1.928	ug/L	98
37) 1,2-Dichloropropane	6.80	63	7712	2.102	ug/L #	92
38) Bromodichloromethane	7.12	83	10116	2.173	ug/L	94
39) cis-1,3-Dichloropropene	7.62	75	10817	2.045	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	25127	4.217	ug/L	96
42) Toluene	7.98	91	28135	2.133	ug/L	91
44) trans-1,3-Dichloropropene	8.22	75	10631	1.988	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	6544	2.054	ug/L	95
46) Tetrachloroethene	8.56	164	5404	2.309	ug/L	78
48) 2-Hexanone	8.69	43	25469	5.337	ug/L	97
49) Dibromochloromethane	8.81	129	6860	1.964	ug/L	99
50) 1,2-Dibromoethane	8.93	107	7185	2.101	ug/L #	97
51) Chlorobenzene	9.45	112	18286	2.102	ug/L	97
52) Ethylbenzene	9.57	91	28528	1.942	ug/L	99
53) m,p-Xylene	9.69	106	9570	1.792	ug/L	86
54) o-xylene	10.10	106	9354	1.793	ug/L	92
55) Styrene	10.11	104	14407	1.614	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.78	83	11675	2.083	ug/L #	90
59) Bromoform	10.29	173	4894	2.091	ug/L #	90
60) 1,2,3-Trichloropropane	10.82	75	10452	2.304	ug/L #	85
61) Isopropylbenzene	10.48	105	24308	1.831	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	18126	1.671	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	17824	1.622	ug/L	95
64) 1,3-Dichlorobenzene	11.74	146	12970	2.065	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	14003	2.146	ug/L	93
67) 1,2-Dichlorobenzene	12.20	146	14383	2.299	ug/L	91
68) 1,2-Dibromo-3-chloropropan	12.99	75	2972	2.324	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.21	180	8164	1.994	ug/L	96
70) 1,2,4-trichlorobenzene	13.83	180	6923	1.959	ug/L	94
71) Naphthalene	14.08	128	17814	1.628	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	6727	1.930	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.123 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

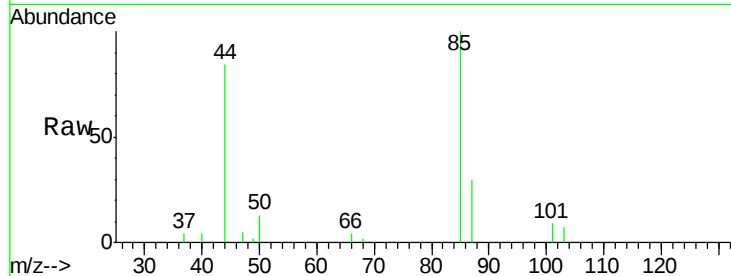
MDL-WATER-01

Tot Ion: 85 Resp: 6214

Ion Ratio Lower Upper

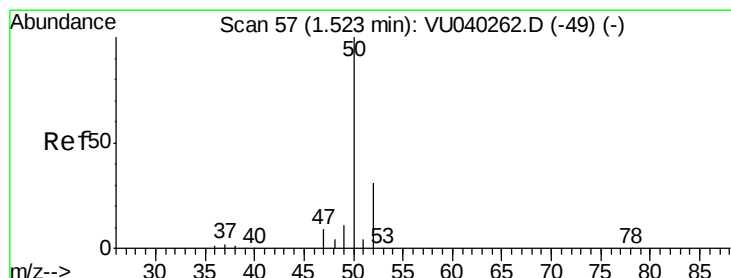
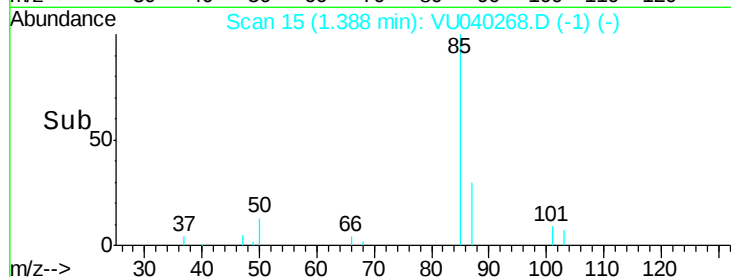
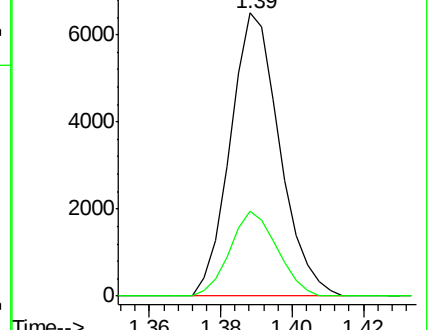
85 100

87 28.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU040268.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040268.D (-7) (-)



#3

Chloromethane

Concen: 2.034 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040268.D

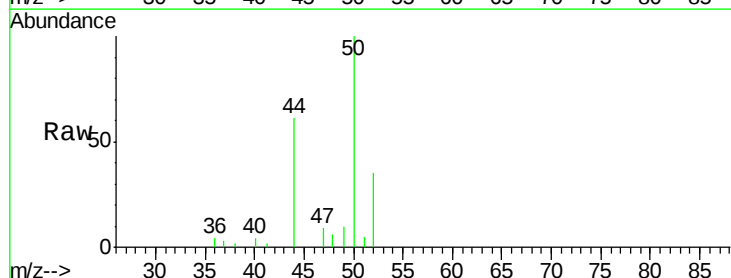
Acq: 24 Sep 2020 13:04

Tgt Ion: 50 Resp: 7207

Ion Ratio Lower Upper

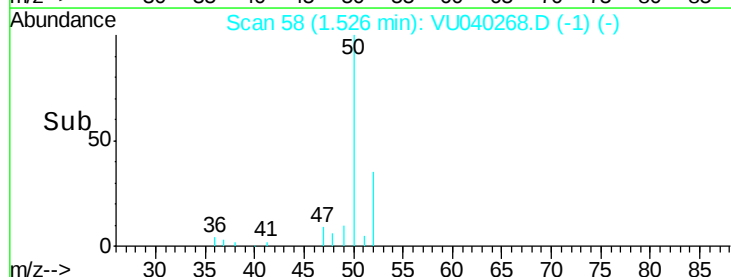
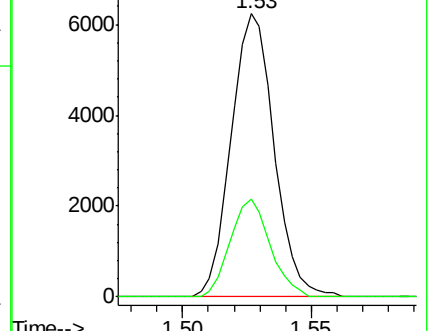
50 100

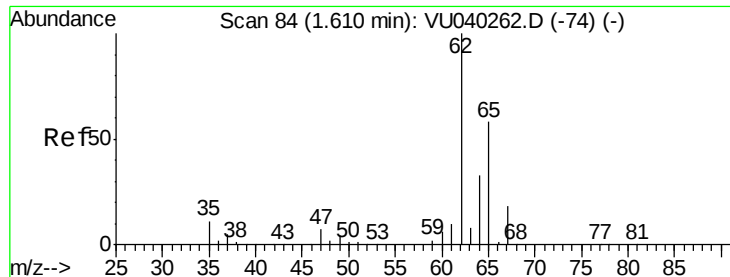
52 34.6 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VU040268.D (-49) (-)

Ion 52.00 (51.70 to 52.70): VU040268.D (-49) (-)





#5

Vinyl chloride

Concen: 2.219 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

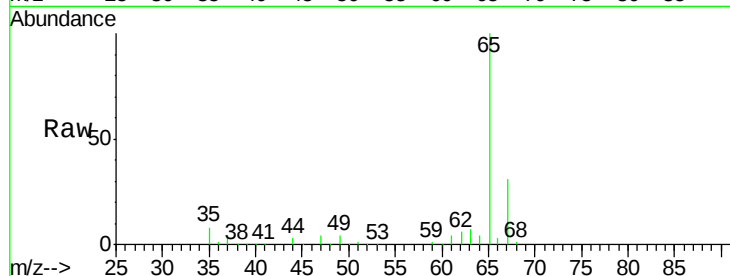
MDL-WATER-01

Tot Ion: 62 Resp: 7848

Ion Ratio Lower Upper

62 100

64 56.9 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VU040268.D (-74) (-)

Ion 64.00 (63.70 to 64.70): VU040268.D (-74) (-)

1.61

8000

6000

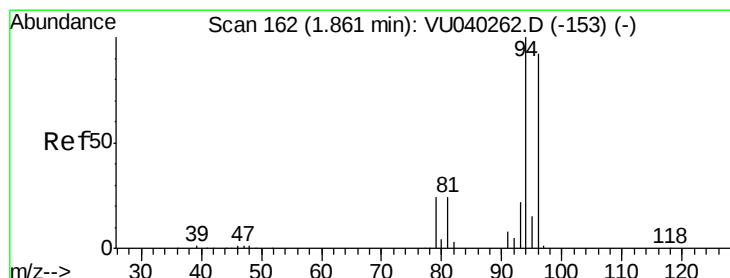
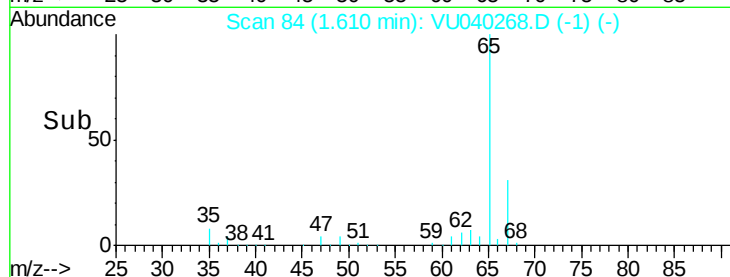
4000

2000

0

1.58 1.60 1.62 1.64

Time-->



#6

Bromomethane

Concen: 2.113 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040268.D

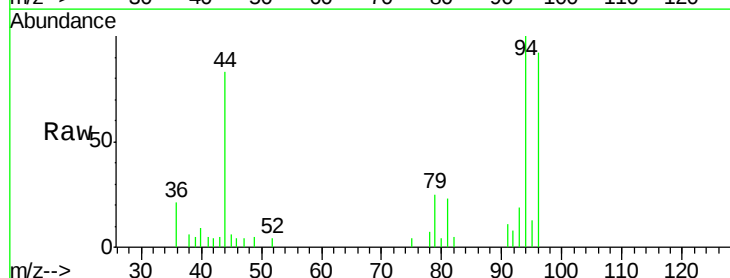
Acq: 24 Sep 2020 13:04

Tgt Ion: 94 Resp: 3860

Ion Ratio Lower Upper

94 100

96 92.0 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU040268.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU040268.D (-153) (-)

1.86

3000

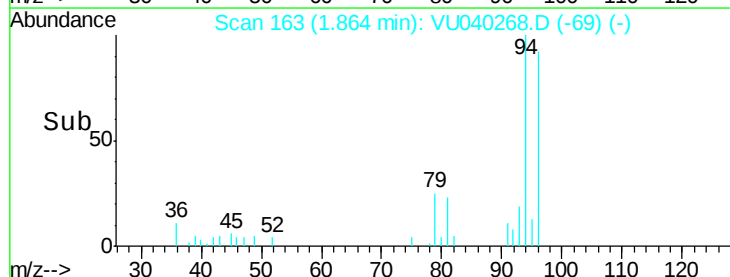
2000

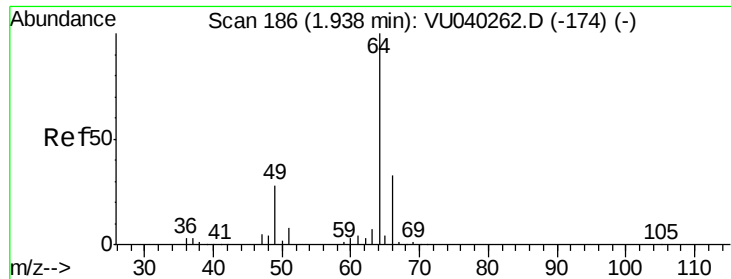
1000

0

1.85 1.87 1.89

Time-->

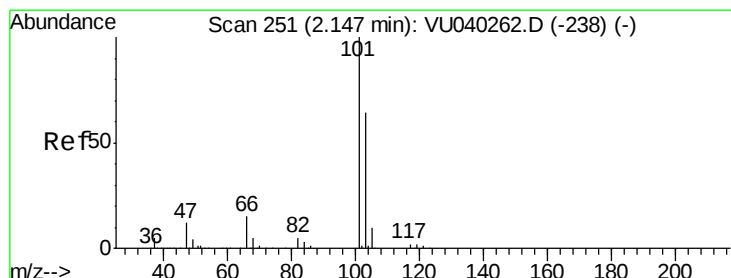
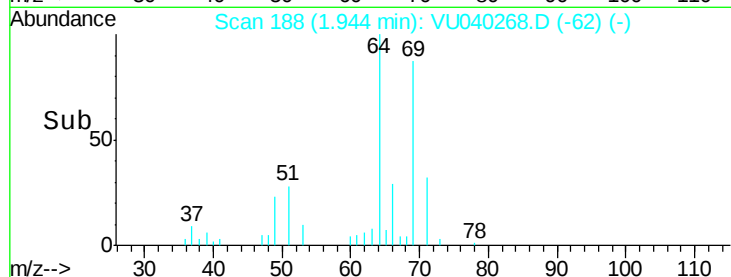
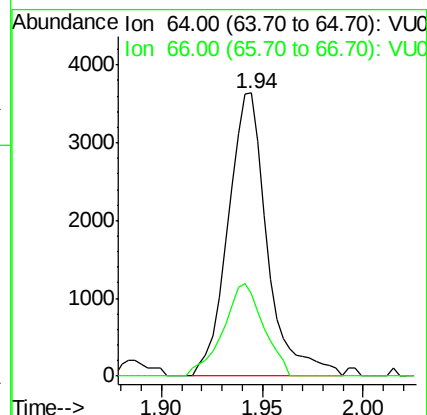
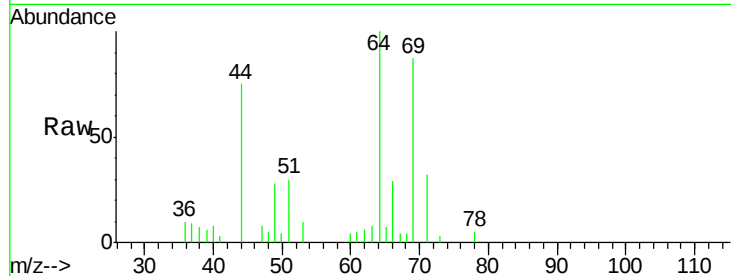




#8
Chloroethane
Concen: 2.189 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.01 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

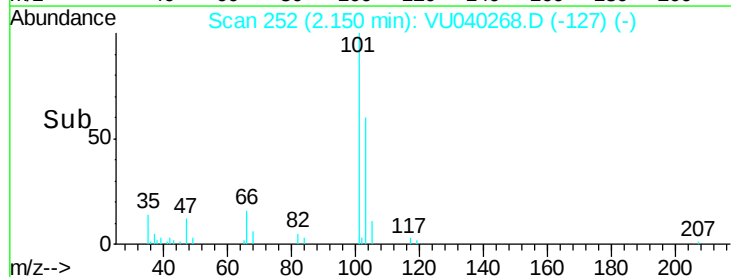
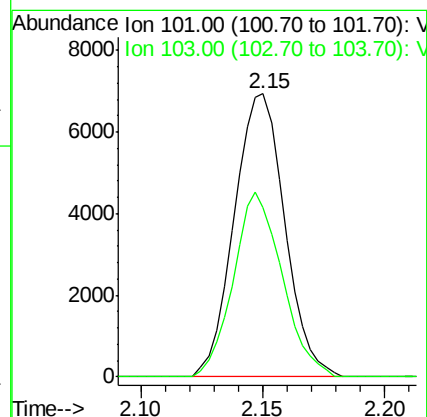
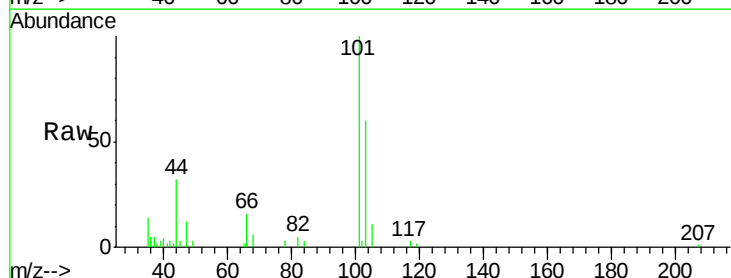
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-01

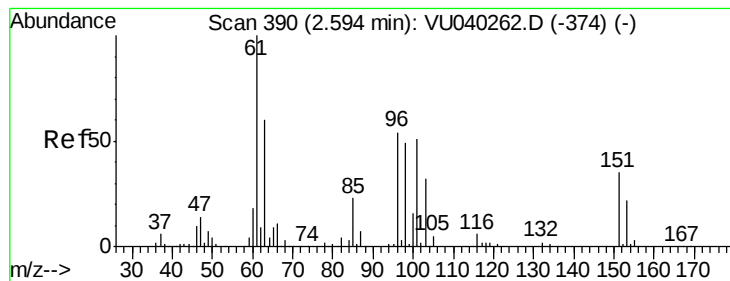
Tot Ion: 64 Resp: 4972
Ion Ratio Lower Upper
64 100
66 29.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 2.037 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

Tgt Ion:101 Resp: 9990
Ion Ratio Lower Upper
101 100
103 62.7 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.682 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-01

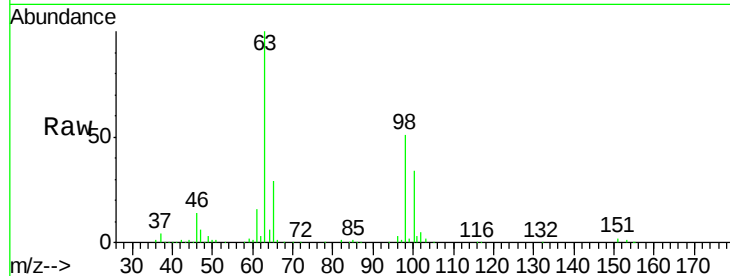
Tot Ion:101 Resp: 8371

Ion Ratio Lower Upper

101 100

85 29.7 36.0 54.0#

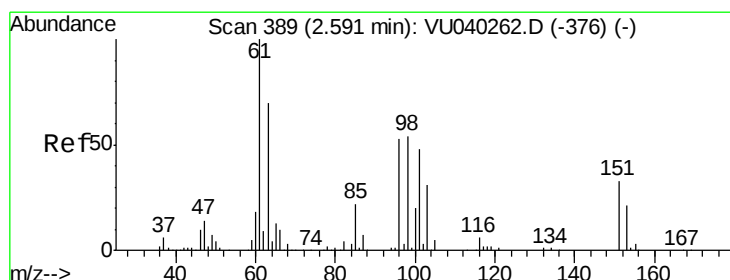
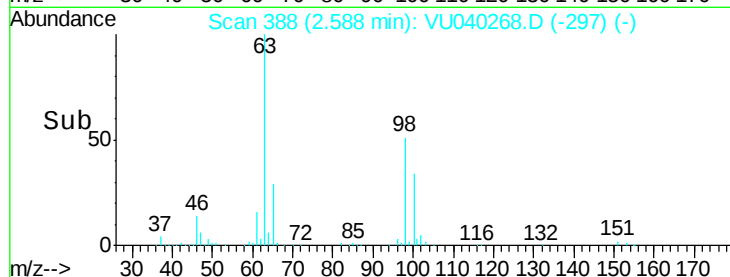
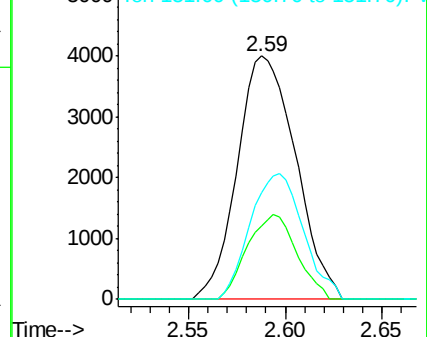
151 47.0 54.5 81.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.610 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

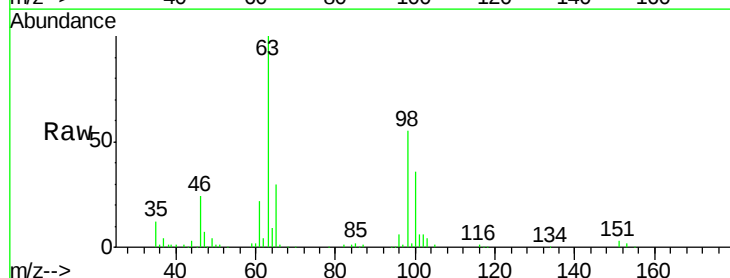
Tgt Ion: 96 Resp: 7608

Ion Ratio Lower Upper

96 100

61 364.8 131.8 244.8#

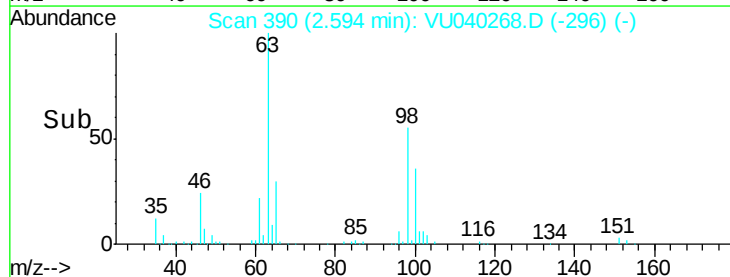
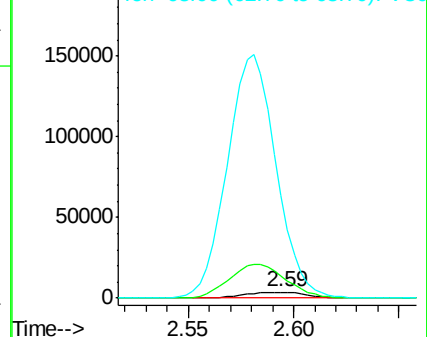
63 1667.4 94.1 174.7#

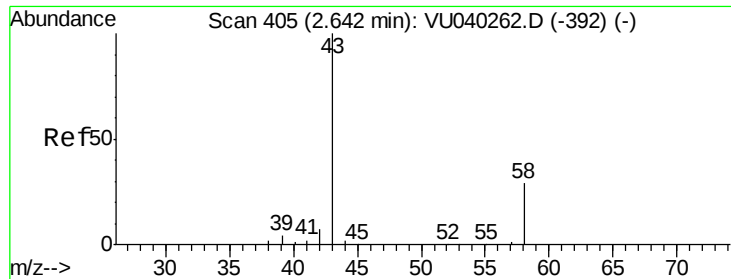


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.514 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

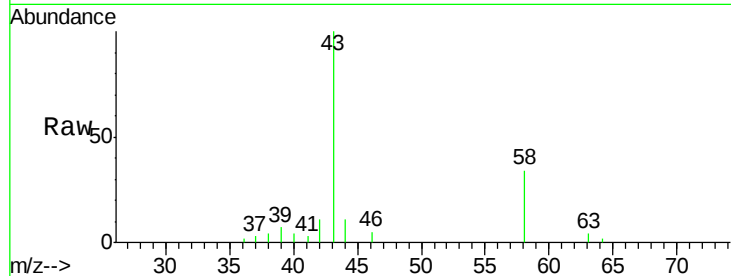
MDL-WATER-01

Tot Ion: 43 Resp: 13891

Ion Ratio Lower Upper

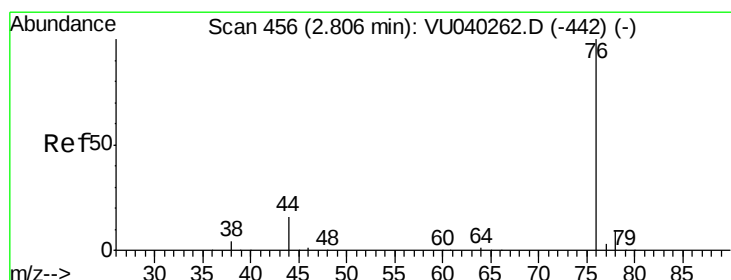
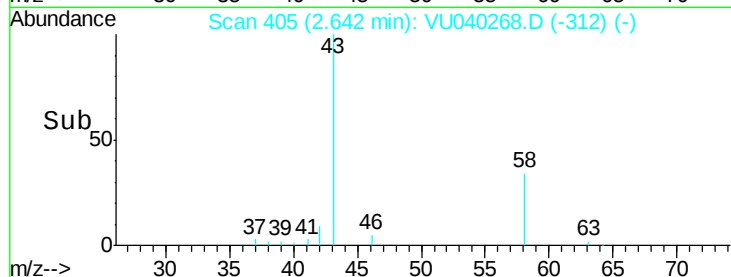
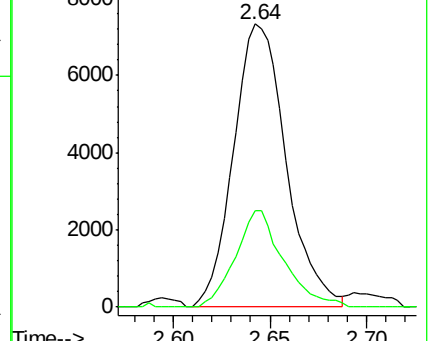
43 100

58 31.1 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VU040268.D (-312) (-)

Ion 58.00 (57.70 to 58.70): VU040268.D (-312) (-)



#14

Carbon disulfide

Concen: 2.247 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040268.D

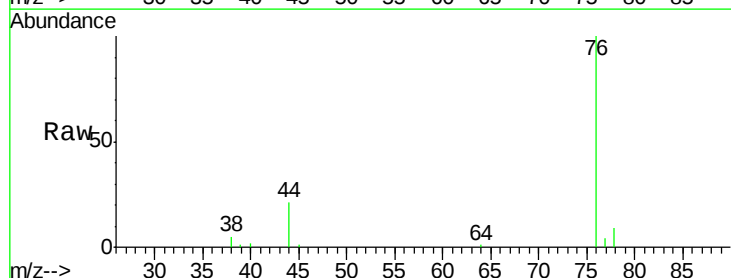
Acq: 24 Sep 2020 13:04

Tgt Ion: 76 Resp: 20845

Ion Ratio Lower Upper

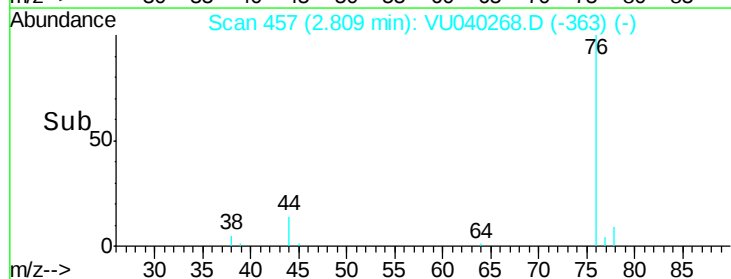
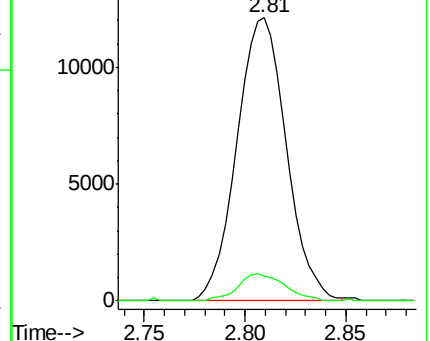
76 100

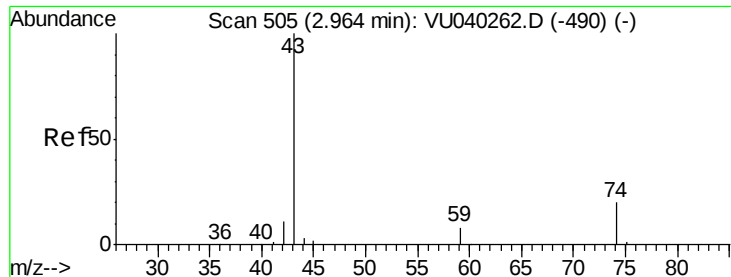
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU040268.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040268.D (-363) (-)





#15

Methvl Acetate

Concen: 2.236 ug/L

RT: 2.96 min Scan# 505

Delta R.T. 0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

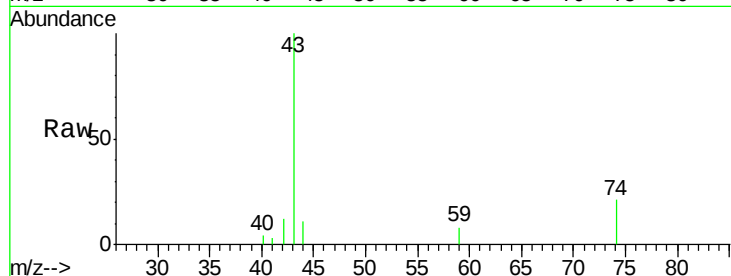
MDL-WATER-01

Tot Ion: 43 Resp: 10314

Ion Ratio Lower Upper

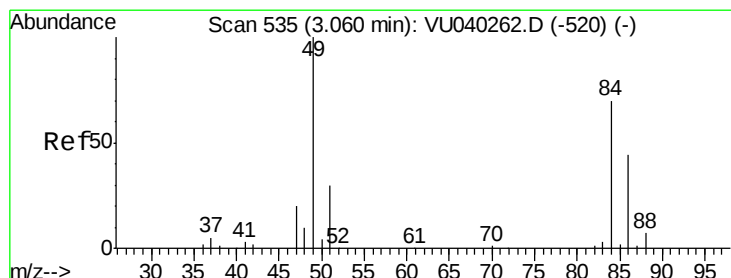
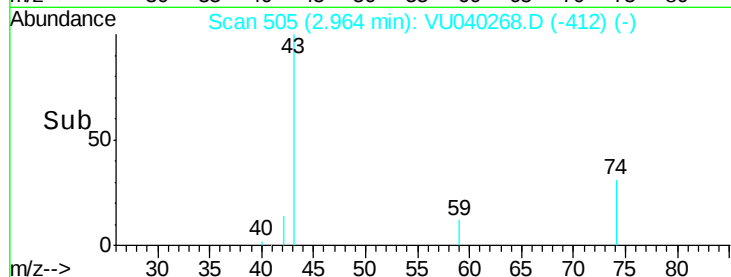
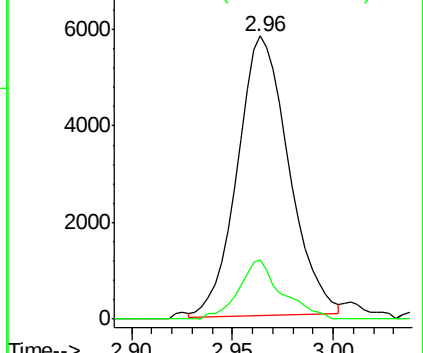
43 100

74 17.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 2.170 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

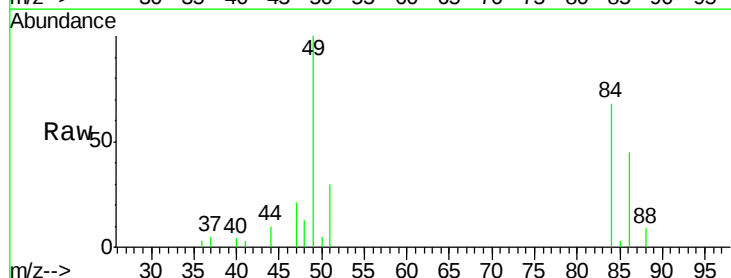
Tgt Ion: 84 Resp: 7495

Ion Ratio Lower Upper

84 100

86 66.0 43.9 81.5

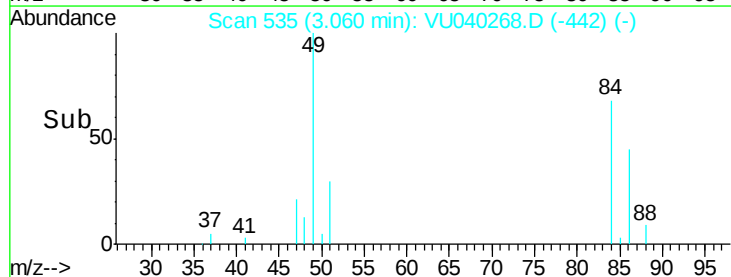
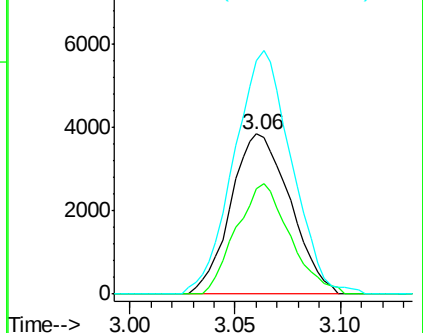
49 146.4 99.7 185.1

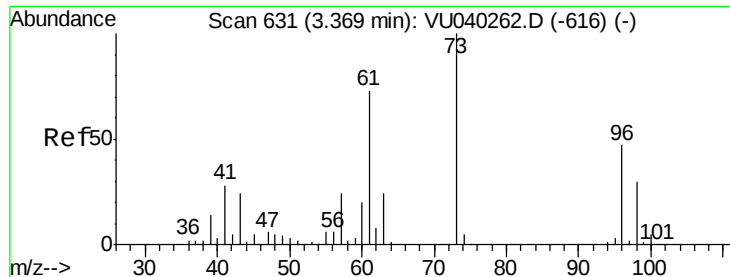


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 2.066 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-01

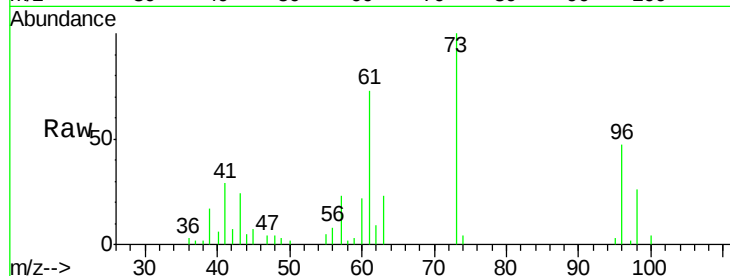
Tot Ion: 96 Resp: 6231

Ion Ratio Lower Upper

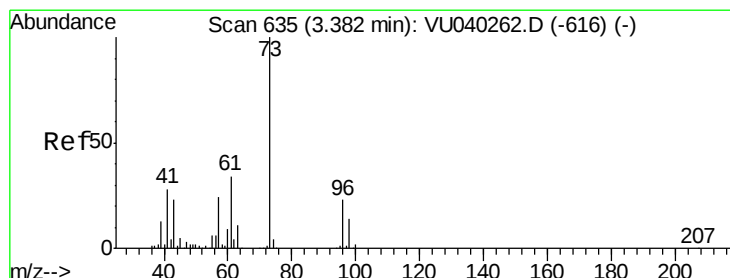
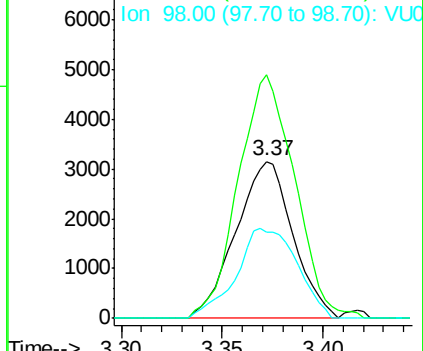
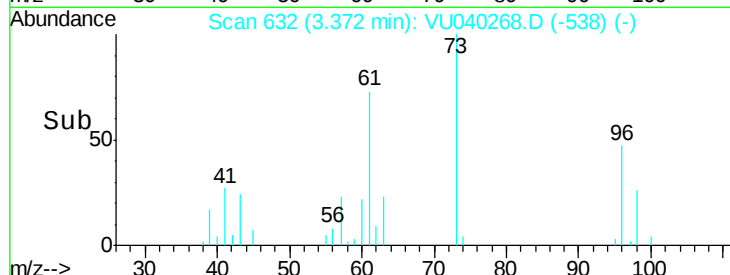
96 100

61 155.3 108.1 200.9

98 54.8 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU040268.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 2.020 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

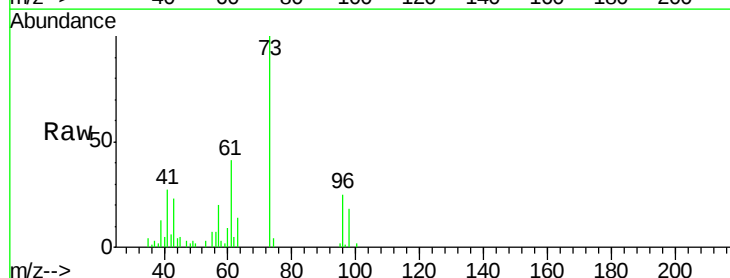
Tgt Ion: 73 Resp: 20044

Ion Ratio Lower Upper

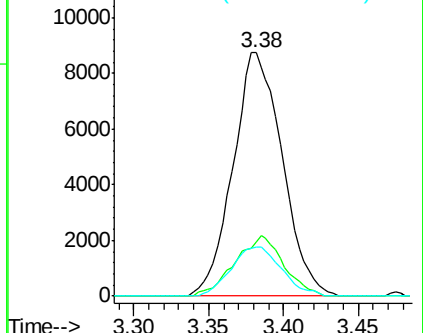
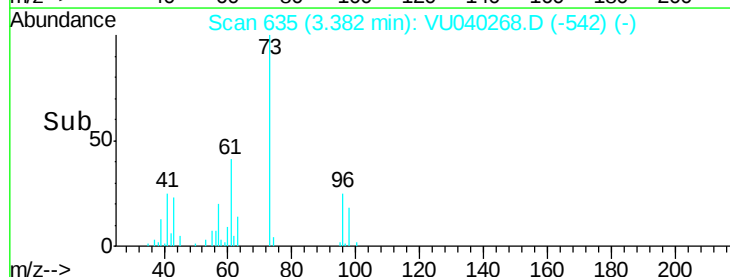
73 100

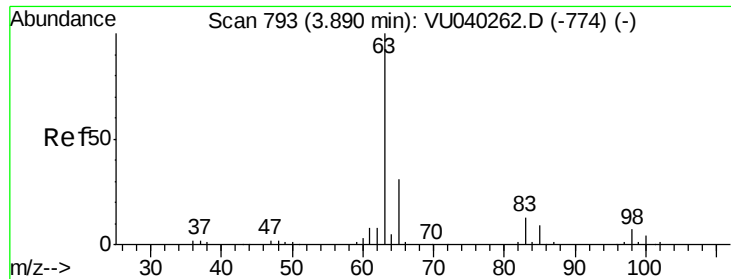
43 24.5 18.5 27.7

57 20.7 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU040268.D (-542) (-)





#19

1,1-Dichloroethane

Concen: 2.026 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-01

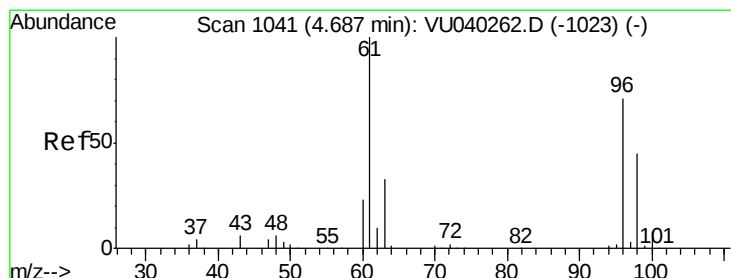
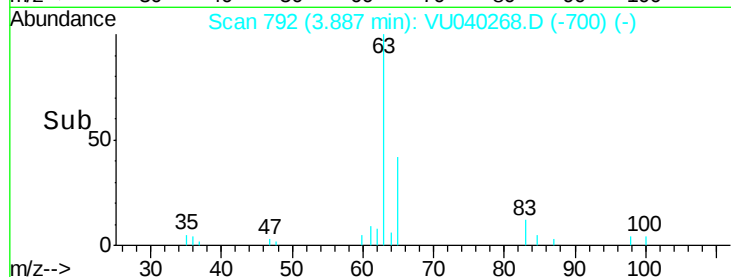
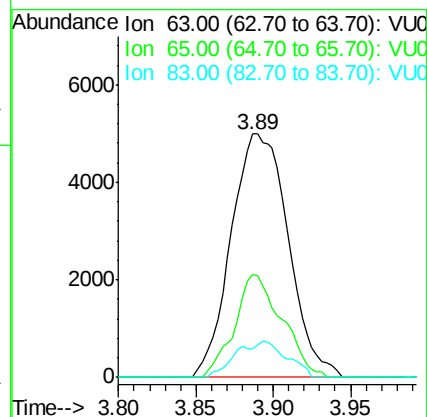
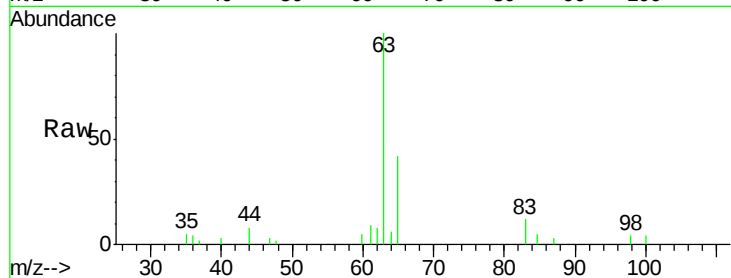
Tot Ion: 63 Resp: 12807

Ion Ratio Lower Upper

63 100

65 42.3 22.0 40.8#

83 11.6 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 2.174 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

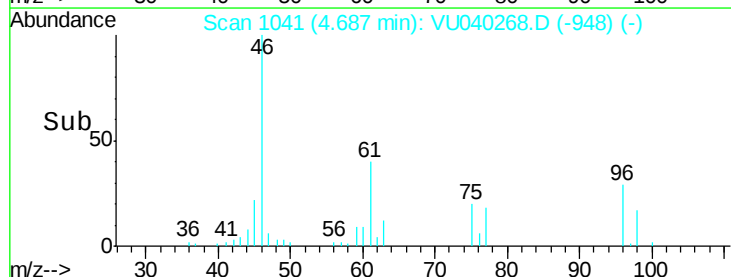
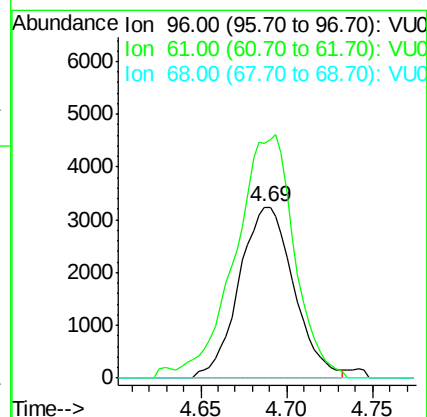
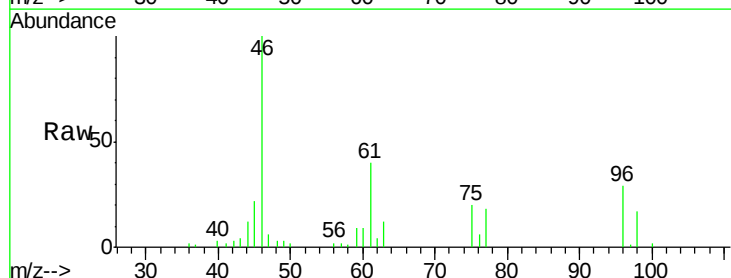
Tgt Ion: 96 Resp: 7173

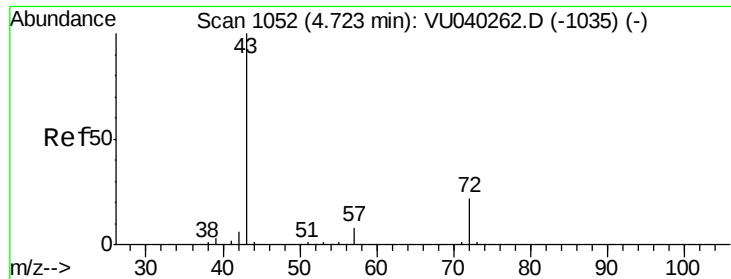
Ion Ratio Lower Upper

96 100

61 136.7 98.6 183.0

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.460 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

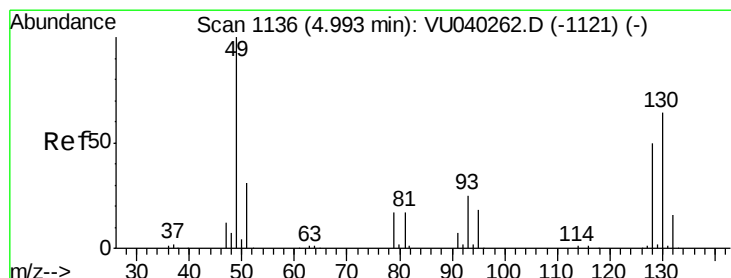
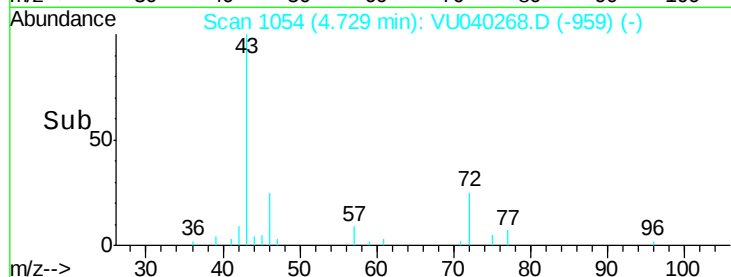
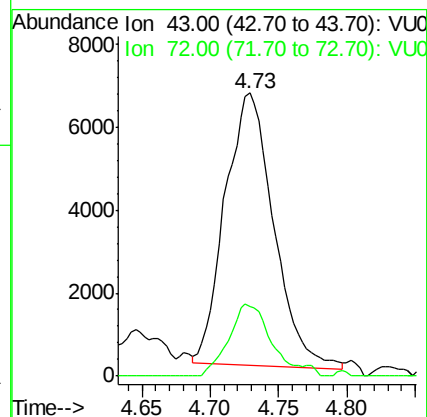
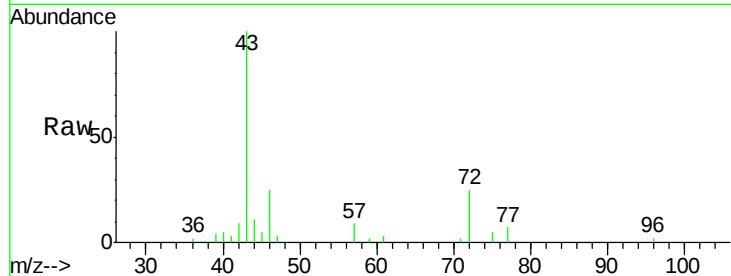
MDL-WATER-01

Tot Ion: 43 Resp: 16284

Ion Ratio Lower Upper

43 100

72 22.7 11.5 34.4



#23

Bromochloromethane

Concen: 1.920 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Tgt Ion: 128 Resp: 3322

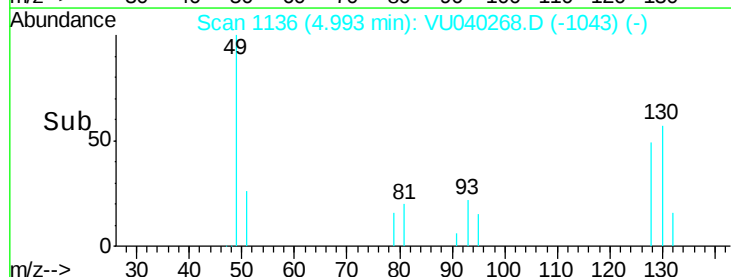
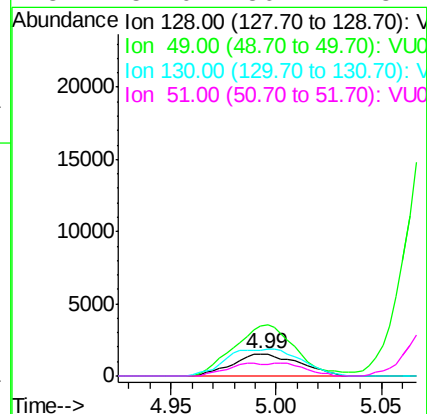
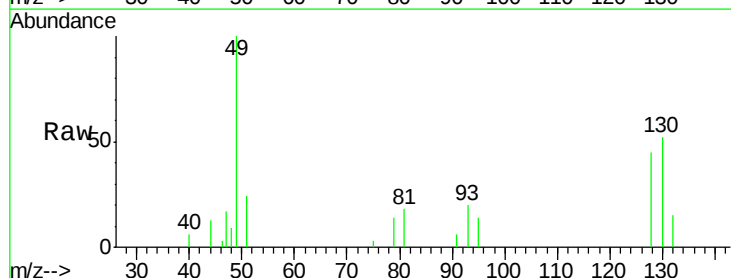
Ion Ratio Lower Upper

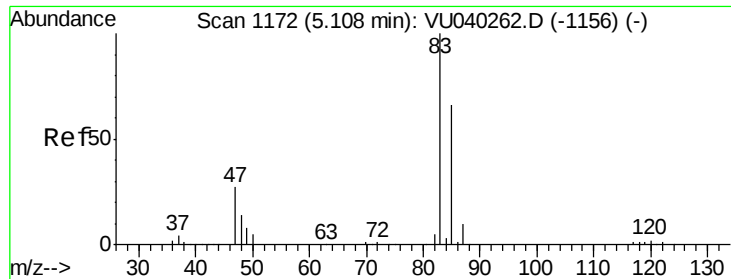
128 100

49 224.7 140.8 261.4

130 116.5 89.2 165.6

51 54.0 50.2 75.4





#25

Chloroform

Concen: 3.097 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

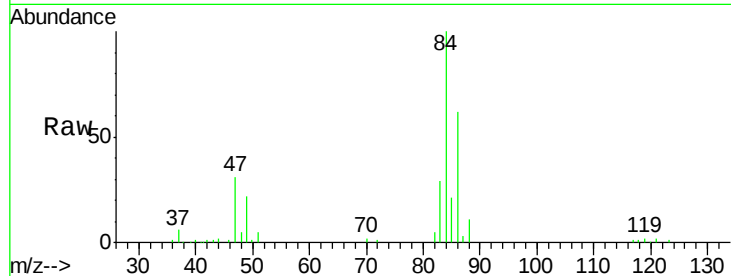
MDL-WATER-01

Tot Ion: 83 Resp: 19780

Ion Ratio Lower Upper

83 100

85 72.7 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

10000

8000

6000

4000

2000

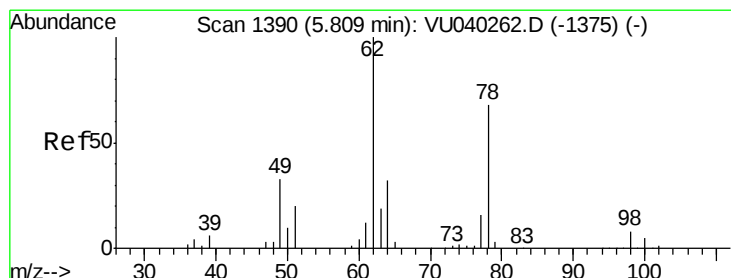
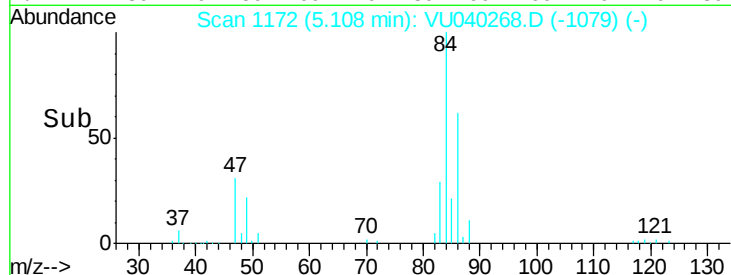
0

Time-->

5.05

5.10

5.15



#27

1,2-Dichloroethane

Concen: 2.257 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040268.D

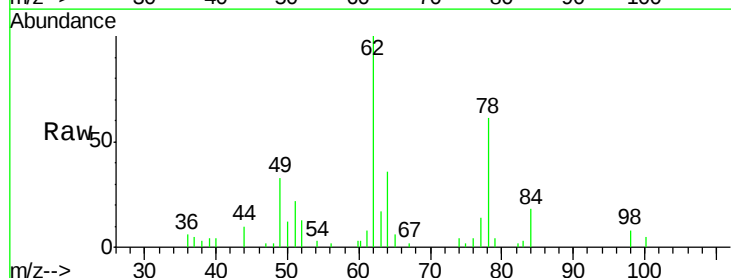
Acq: 24 Sep 2020 13:04

Tgt Ion: 62 Resp: 12193

Ion Ratio Lower Upper

62 100

98 8.0 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.81

6000

4000

2000

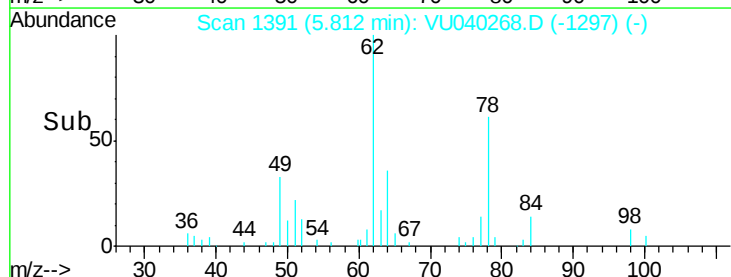
0

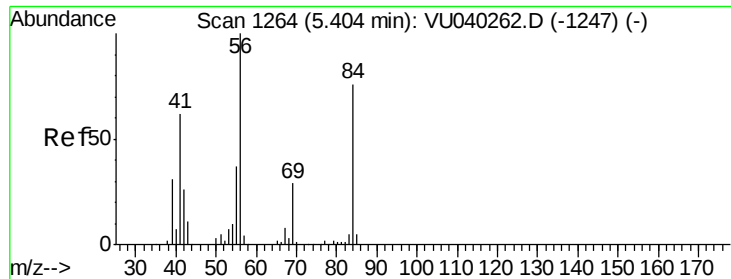
Time-->

5.75

5.80

5.85

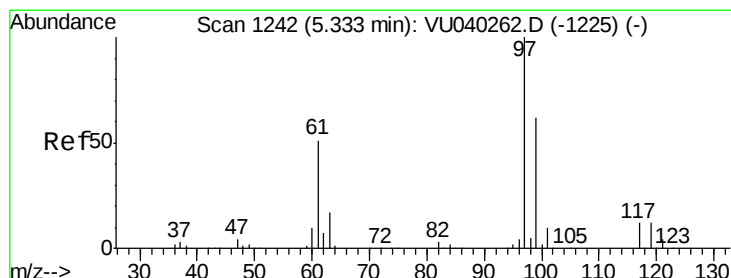
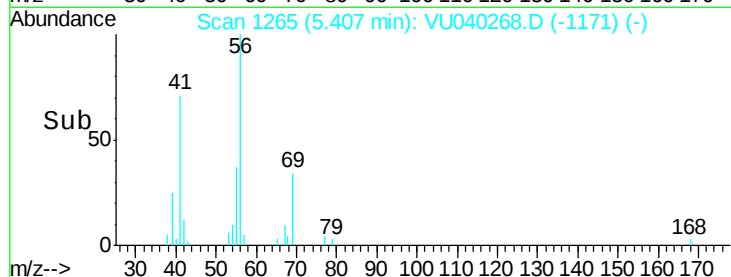
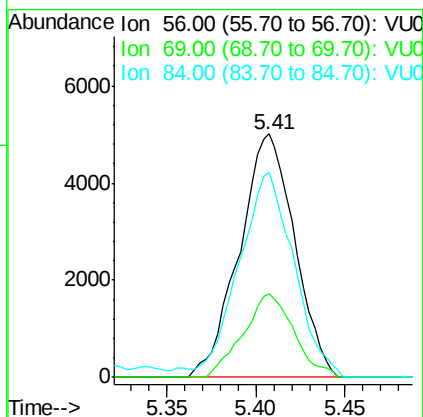
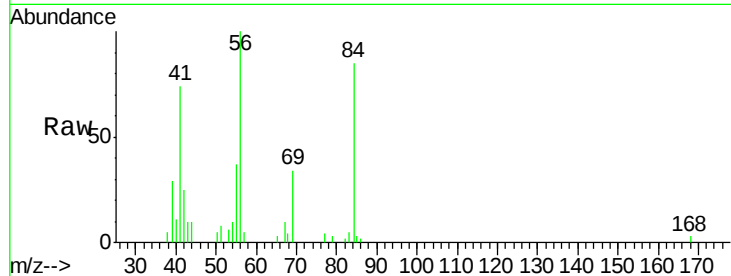




#29
Cyclohexane
Concen: 1.985 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

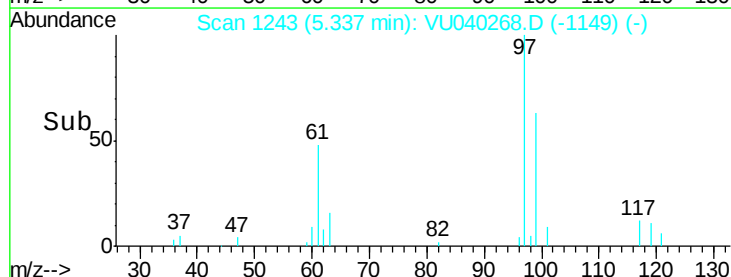
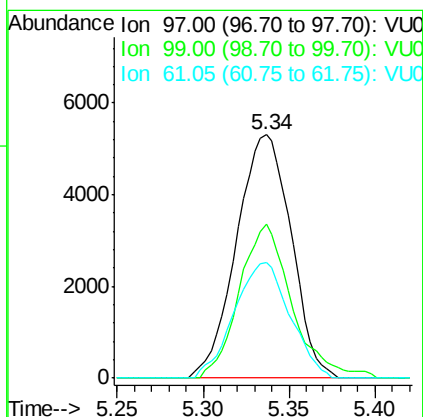
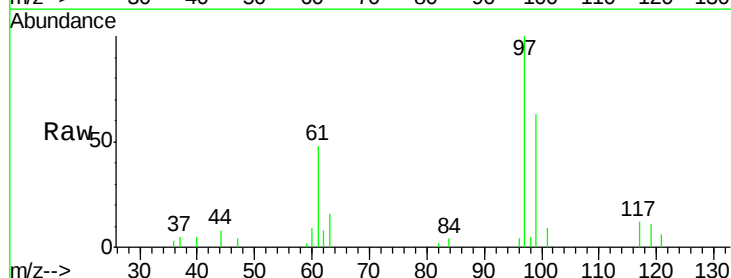
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-01

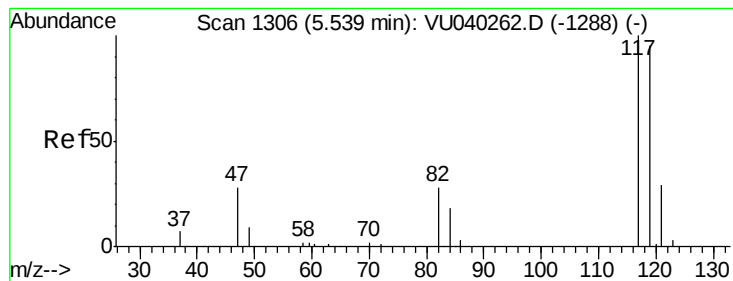
Tot Ion: 56 Resp: 10833
Ion Ratio Lower Upper
56 100
69 31.4 22.6 33.8
84 84.2 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 2.267 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

Tgt Ion: 97 Resp: 11731
Ion Ratio Lower Upper
97 100
99 60.2 50.8 76.2
61 48.3 40.2 60.4





#31

Carbon tetrachloride

Concen: 2.092 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

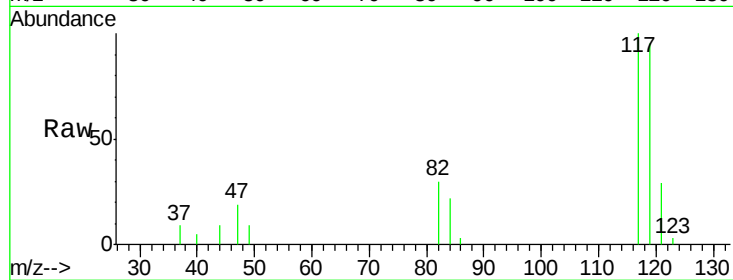
MDL-WATER-01

Tot Ion:117 Resp: 9359

Ion Ratio Lower Upper

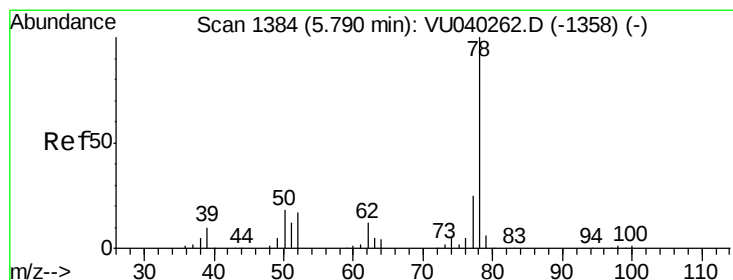
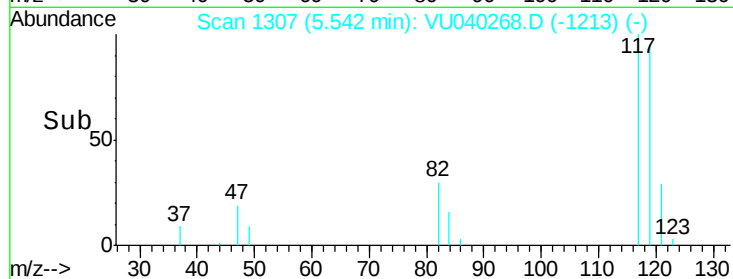
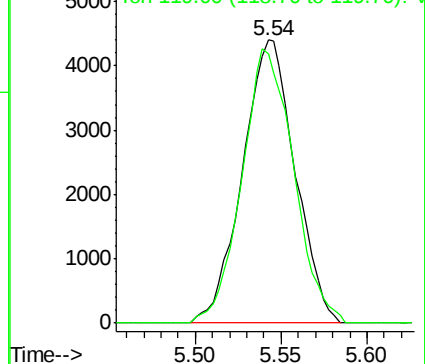
117 100

119 95.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.081 ug/L

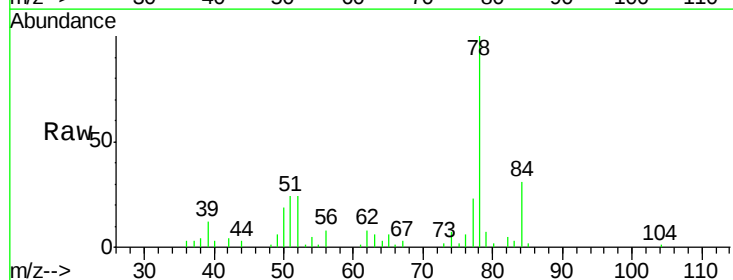
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Tgt Ion: 78 Resp: 27147



Abundance Ion 78.00 (77.70 to 78.70): VU0

15000

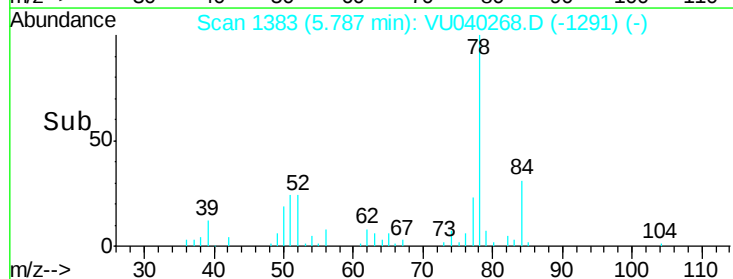
10000

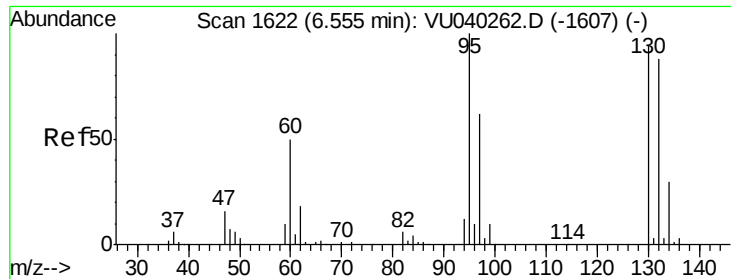
5000

0

5.75 5.80 5.85

Time-->

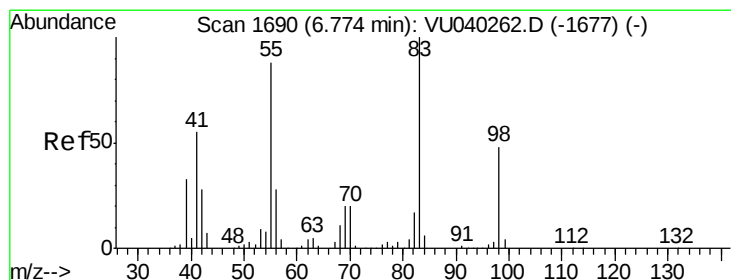
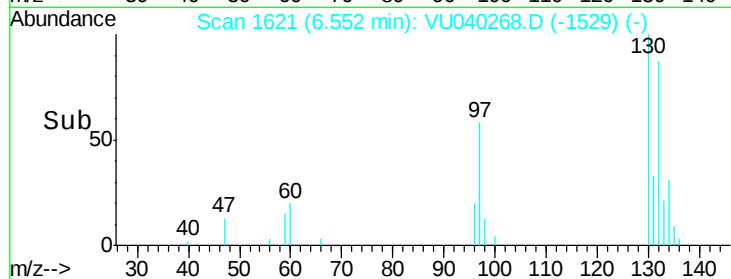
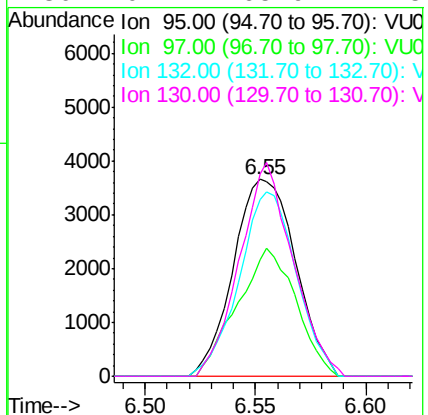
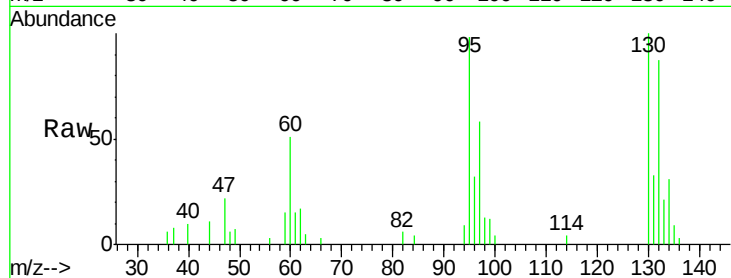




#34
 Trichloroethene
 Concen: 2.151 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

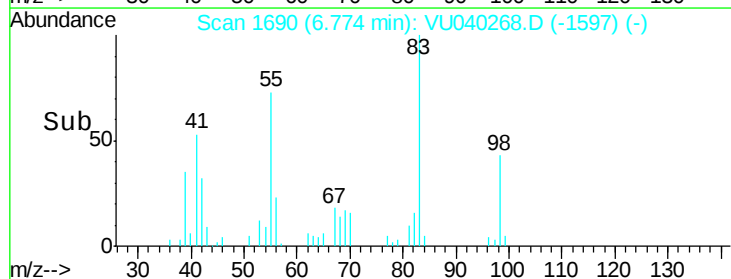
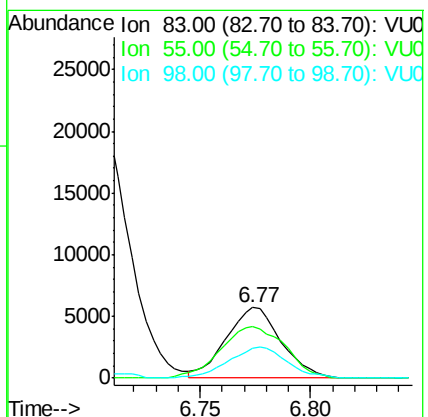
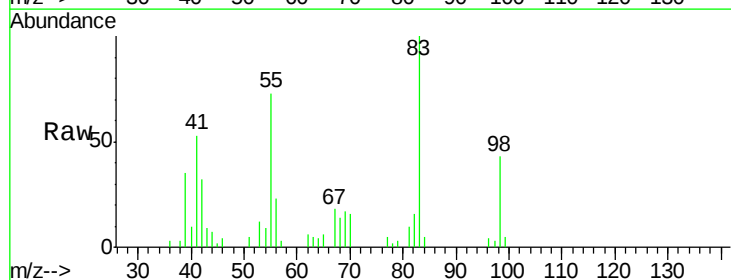
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

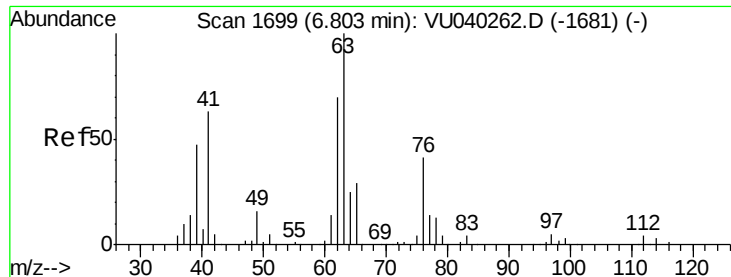
Tot Ion: 95 Resp: 7187
 Ion Ratio Lower Upper
 95 100
 97 59.4 43.8 81.3
 132 89.6 61.7 114.7
 130 102.4 65.9 122.5



#35
 Methylcyclohexane
 Concen: 1.928 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion: 83 Resp: 9901
 Ion Ratio Lower Upper
 83 100
 55 85.3 69.4 104.0
 98 46.6 38.7 58.1





#37

1,2-Dichloropropane

Concen: 2.102 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

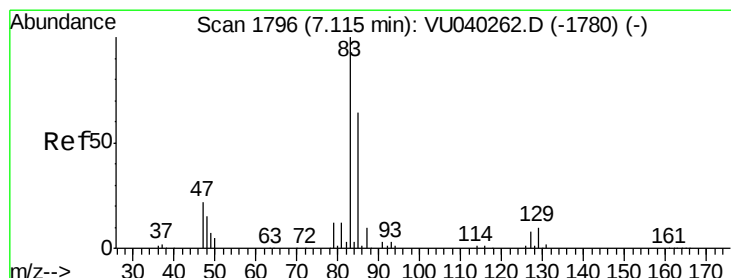
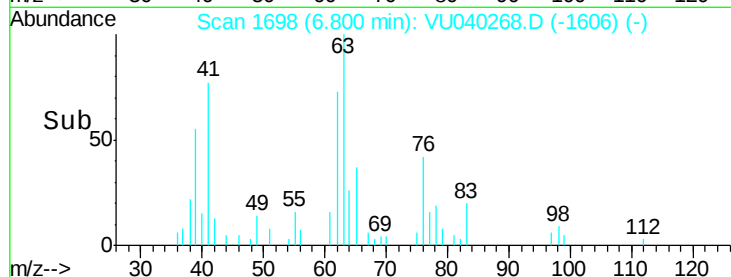
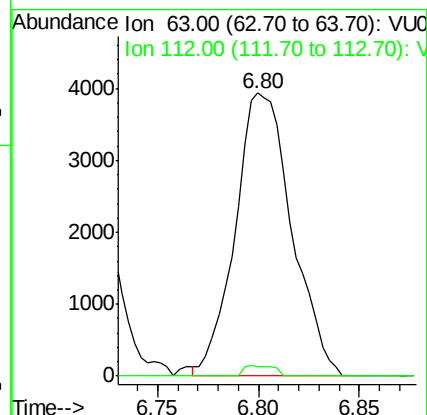
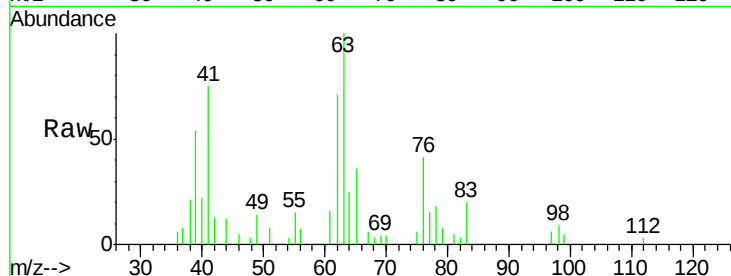
MDL-WATER-01

Tot Ion: 63 Resp: 7712

Ion Ratio Lower Upper

63 100

112 1.4 3.1 4.7#



#38

Bromodichloromethane

Concen: 2.173 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

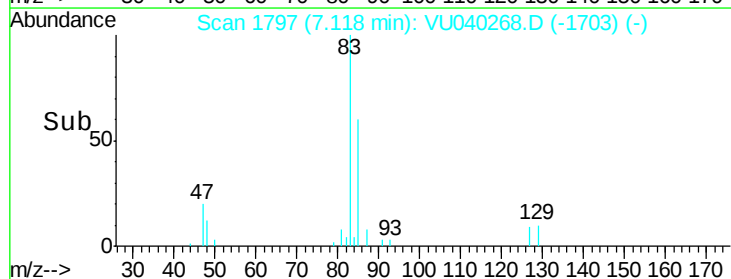
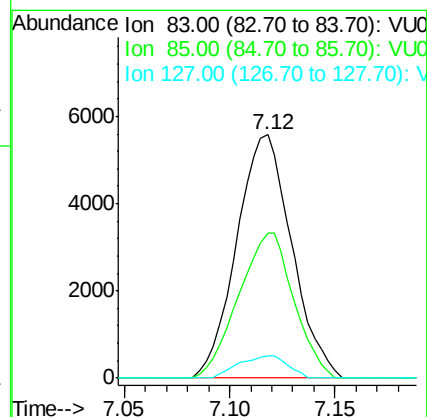
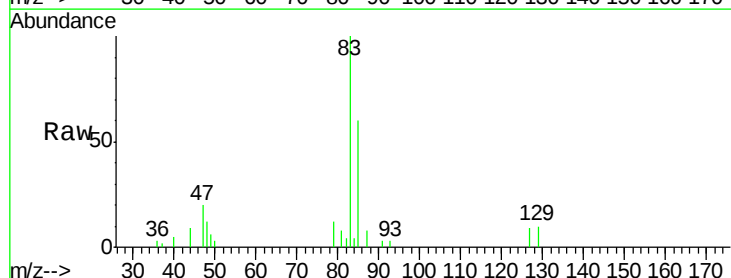
Tgt Ion: 83 Resp: 10116

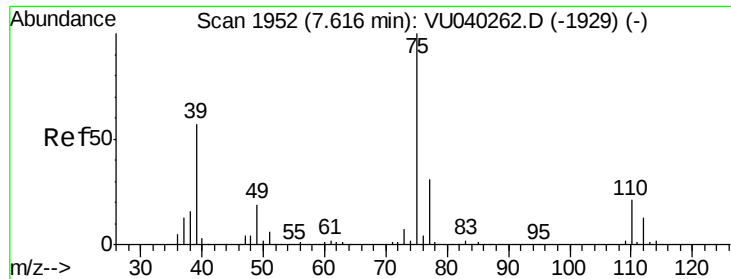
Ion Ratio Lower Upper

83 100

85 59.6 44.9 83.5

127 9.1 6.4 9.6

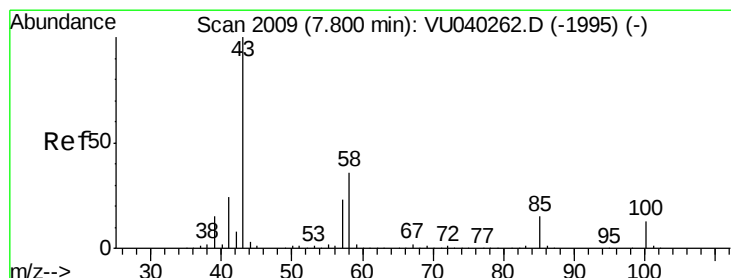
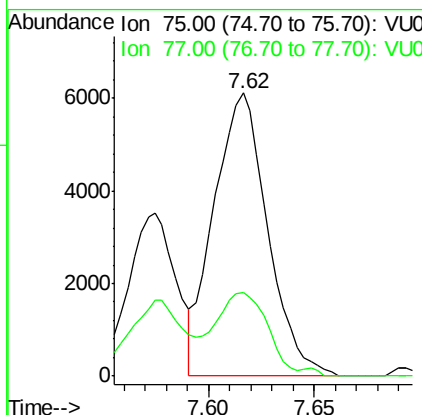
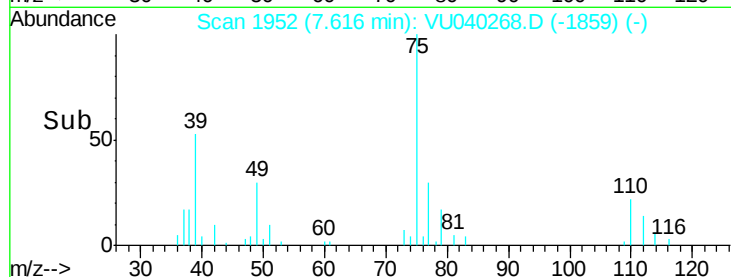
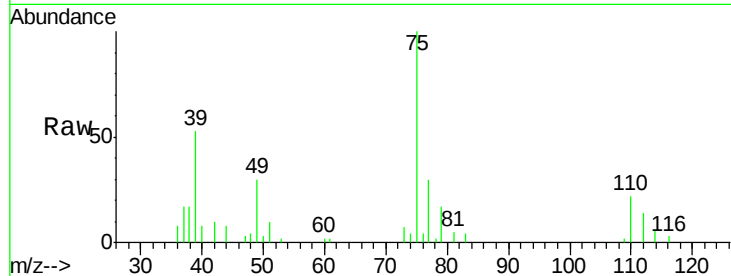




#39
 cis-1,3-Dichloropropene
 Concen: 2.045 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

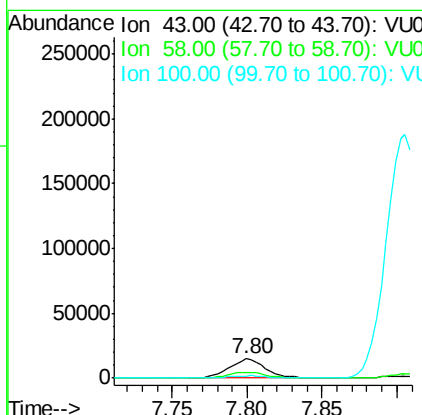
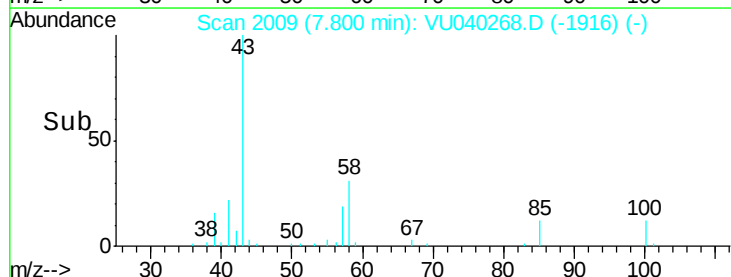
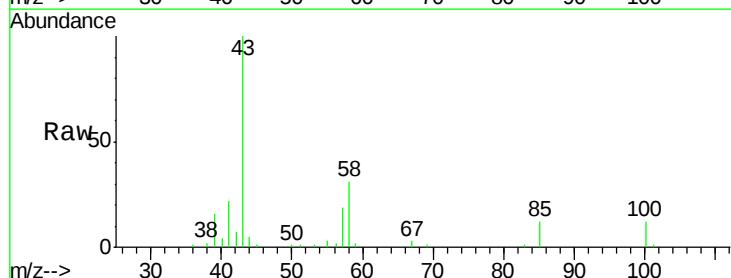
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

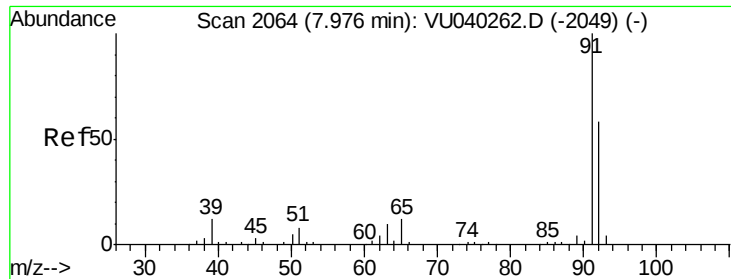
Tot Ion: 75 Resp: 10817
 Ion Ratio Lower Upper
 75 100
 77 29.5 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 4.217 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion: 43 Resp: 25127
 Ion Ratio Lower Upper
 43 100
 58 32.6 28.5 42.7
 100 11.7 10.0 15.0





#42

Toluene

Concen: 2.133 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

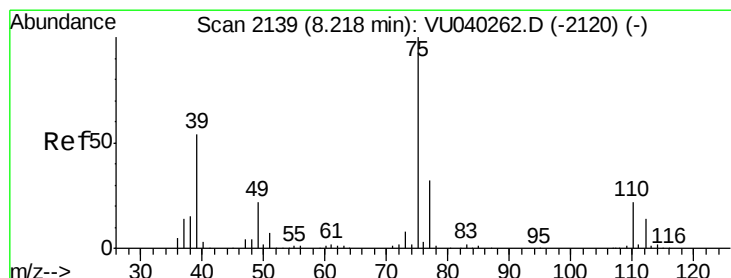
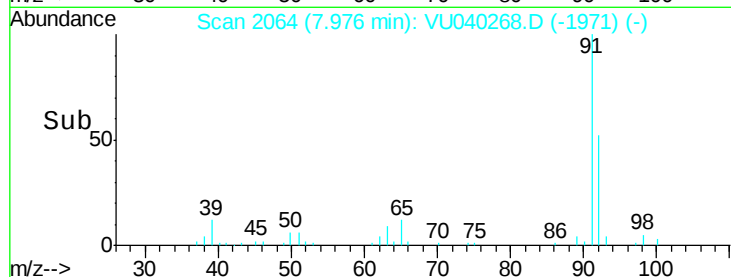
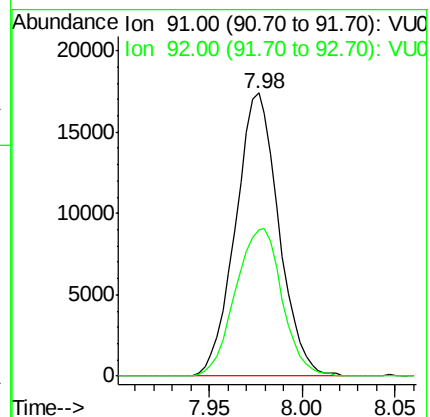
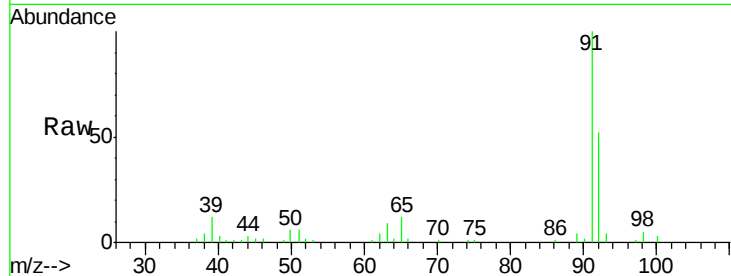
MDL-WATER-01

Tot Ion: 91 Resp: 28135

Ion Ratio Lower Upper

91 100

92 51.8 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 1.988 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040268.D

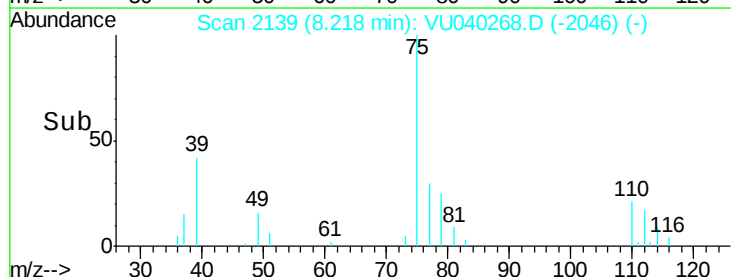
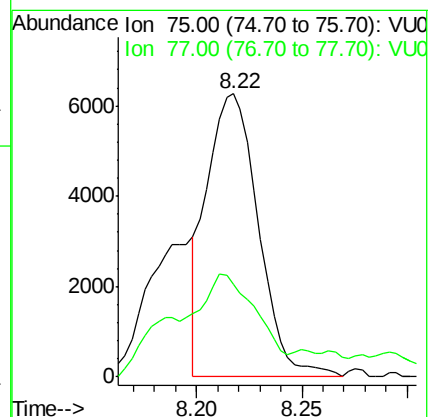
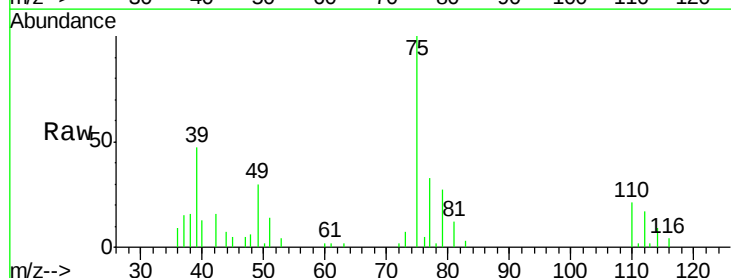
Acq: 24 Sep 2020 13:04

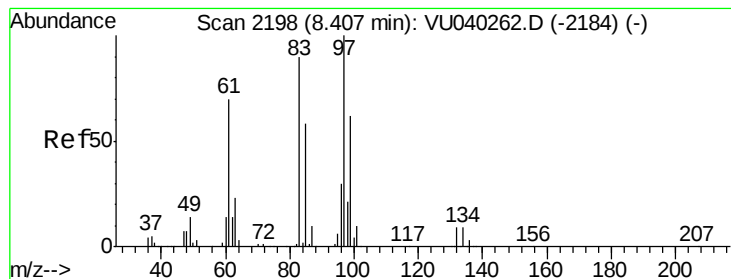
Tgt Ion: 75 Resp: 10631

Ion Ratio Lower Upper

75 100

77 32.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 2.054 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-01

Tot Ion: 97 Resp: 6544

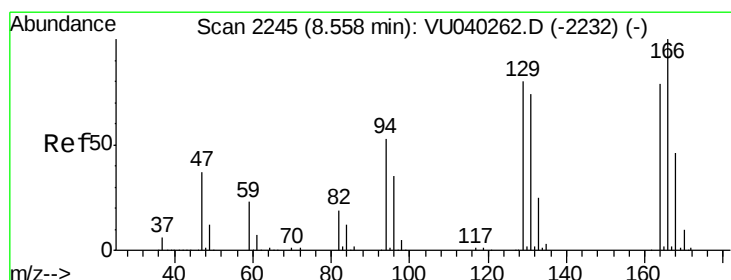
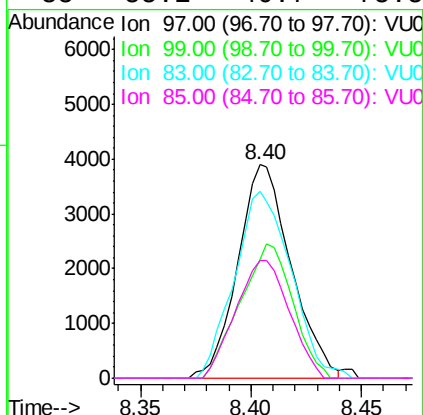
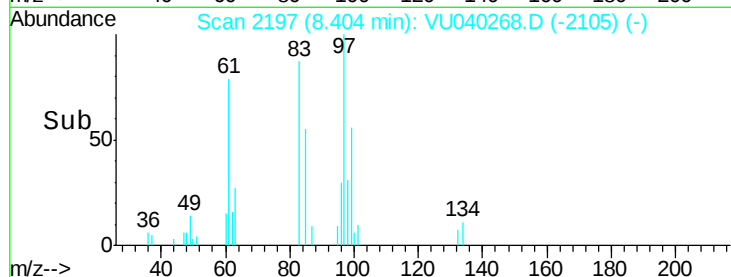
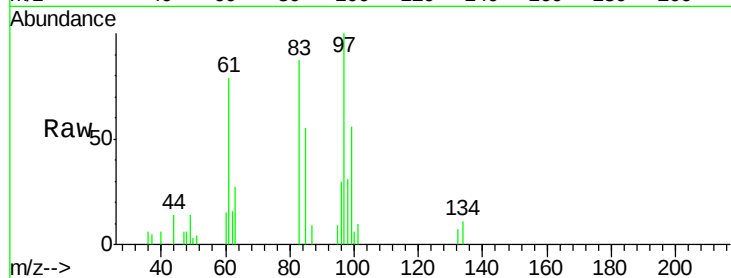
Ion Ratio Lower Upper

97 100

99 55.7 43.3 80.5

83 87.2 62.7 116.5

85 55.1 40.7 75.5



#46

Tetrachloroethene

Concen: 2.309 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Tgt Ion: 164 Resp: 5404

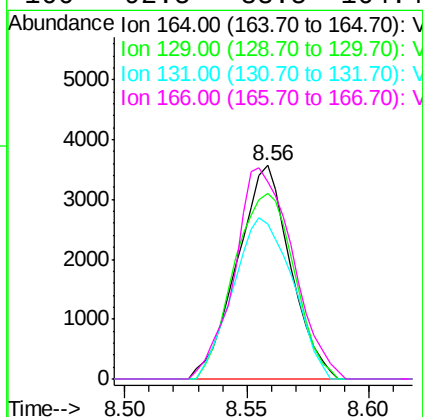
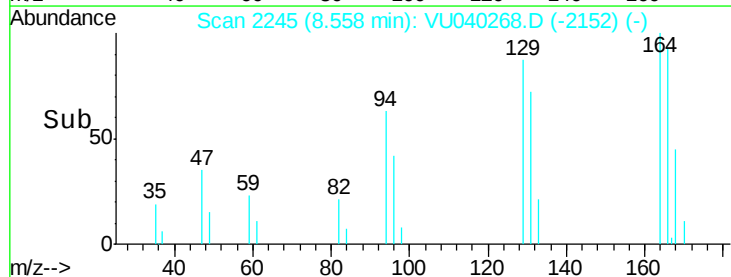
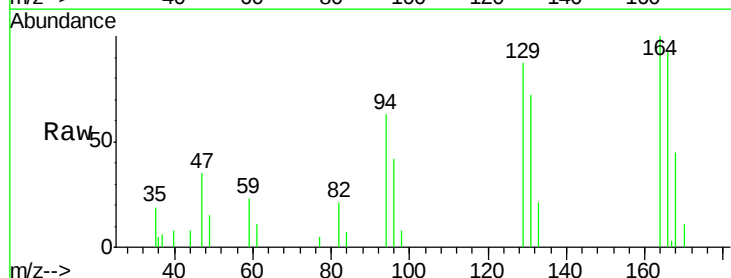
Ion Ratio Lower Upper

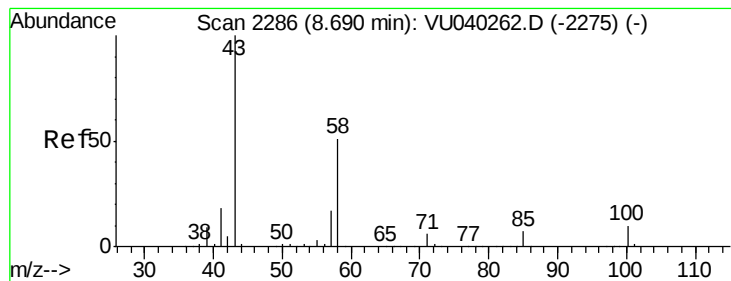
164 100

129 87.0 70.5 130.9

131 72.5 65.7 121.9

166 92.5 88.5 164.4





#48

2-Hexanone

Concen: 5.337 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-01

Tot Ion: 43 Resp: 25469

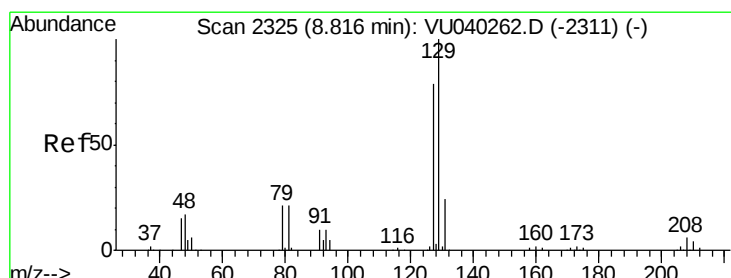
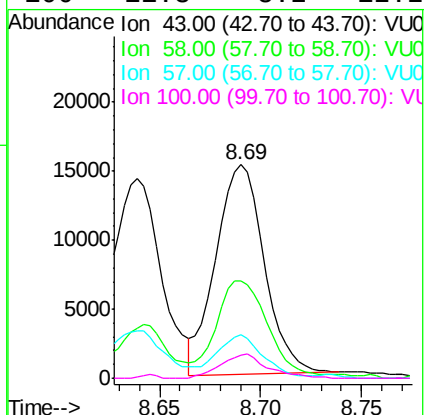
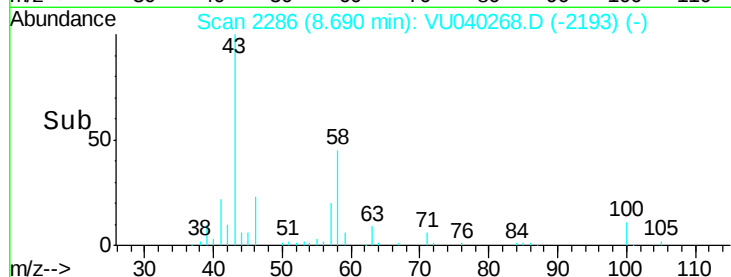
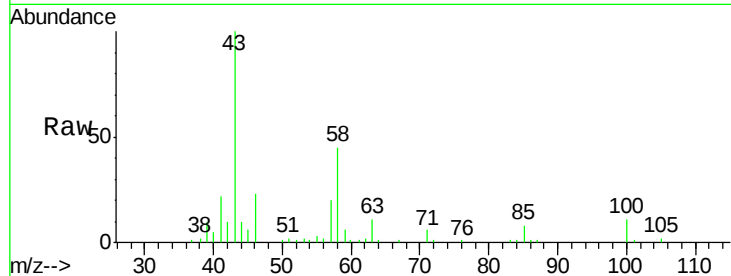
Ion Ratio Lower Upper

43 100

58 48.7 40.3 60.5

57 19.9 13.9 20.9

100 11.3 8.2 12.2



#49

Dibromochloromethane

Concen: 1.964 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040268.D

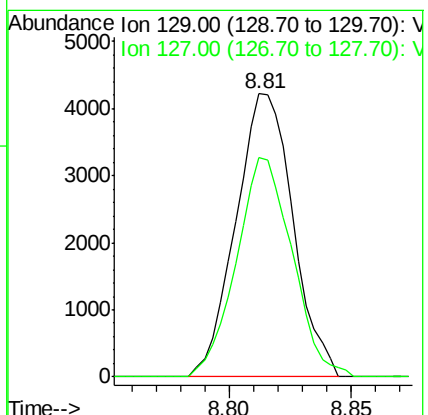
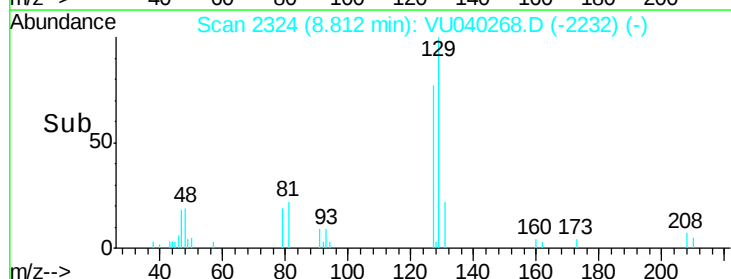
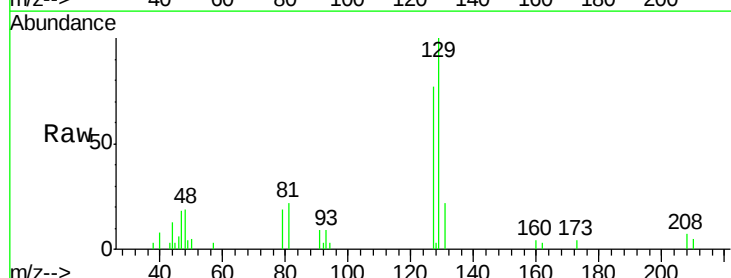
Acq: 24 Sep 2020 13:04

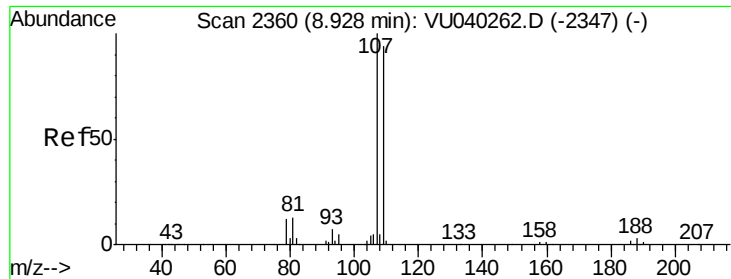
Tgt Ion: 129 Resp: 6860

Ion Ratio Lower Upper

129 100

127 77.4 55.1 102.3

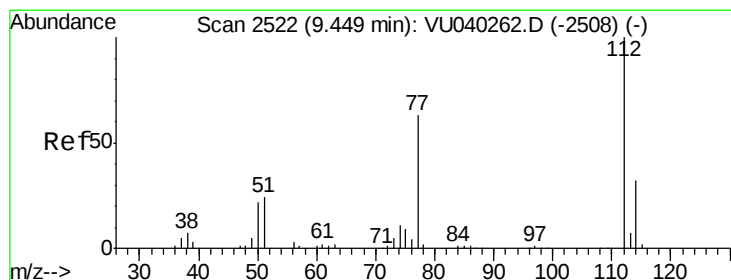
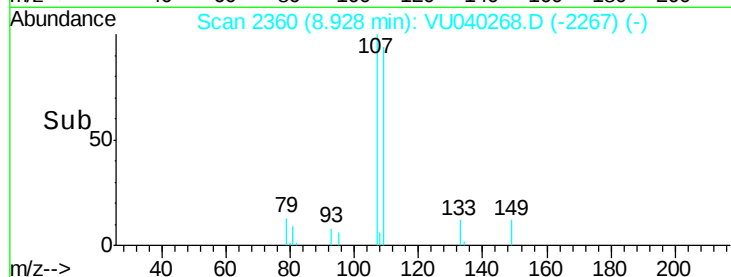
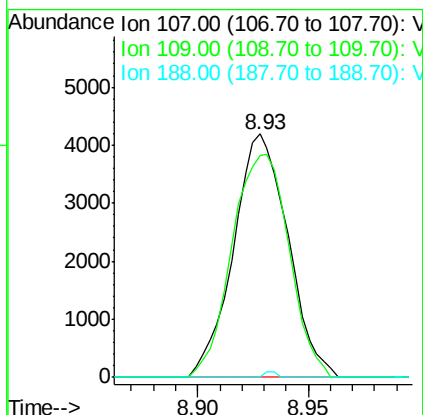
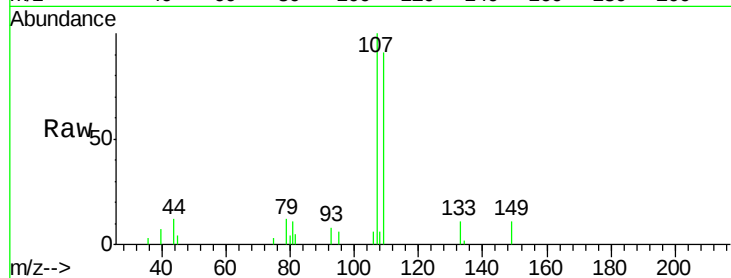




#50
1,2-Dibromoethane
Concen: 2.101 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

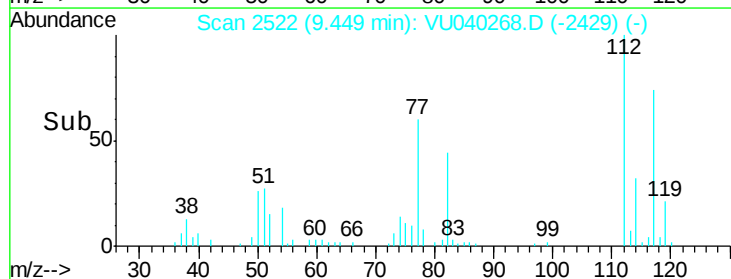
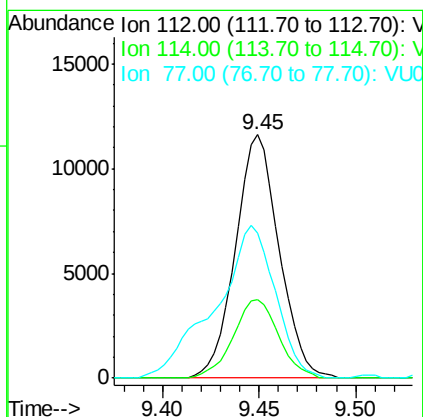
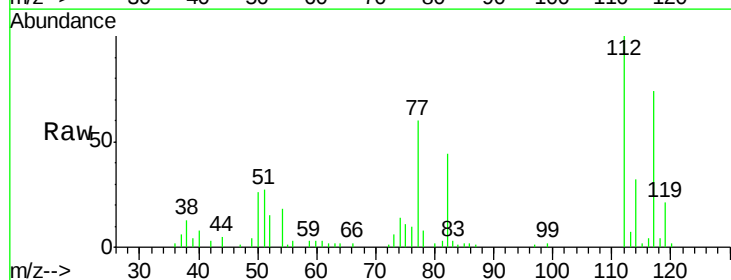
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-01

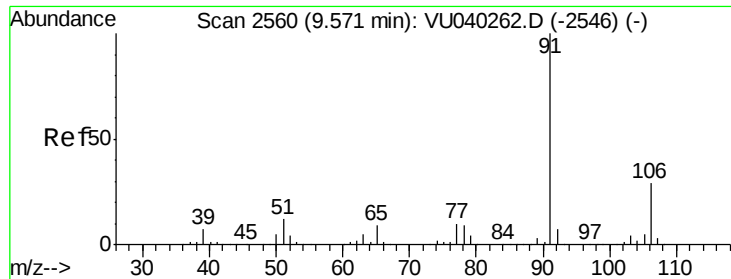
Tot Ion:107 Resp: 7185
Ion Ratio Lower Upper
107 100
109 91.1 65.9 122.3
188 0.0 2.6 3.8#



#51
Chlorobenzene
Concen: 2.102 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

Tgt Ion:112 Resp: 18286
Ion Ratio Lower Upper
112 100
114 32.2 22.7 42.3
77 59.6 50.7 76.1

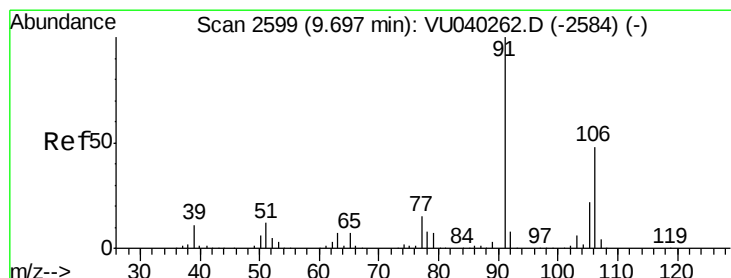
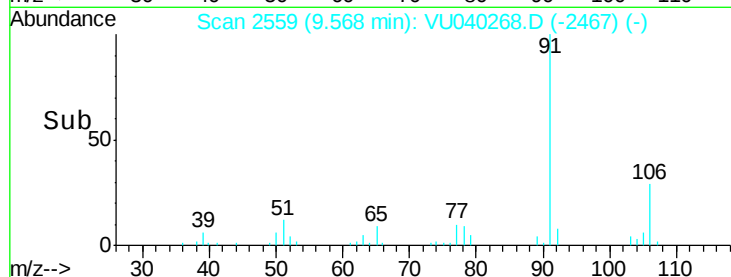
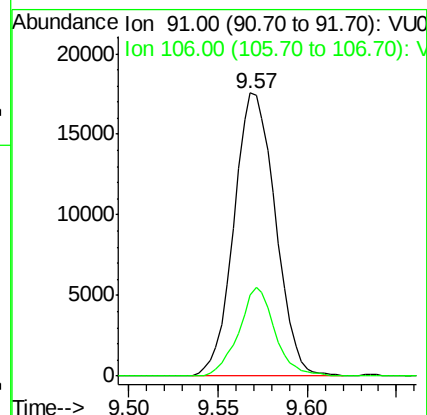
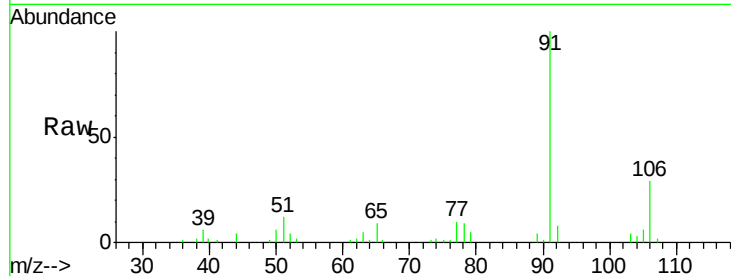




#52
Ethylbenzene
Concen: 1.942 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. -0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

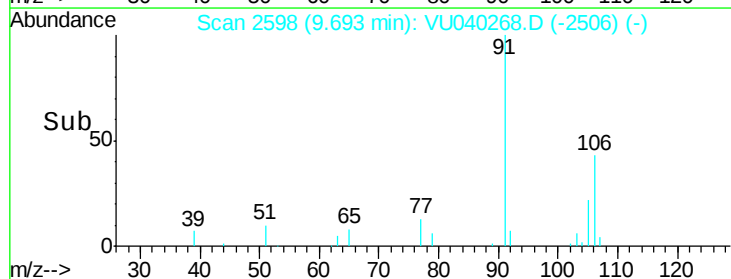
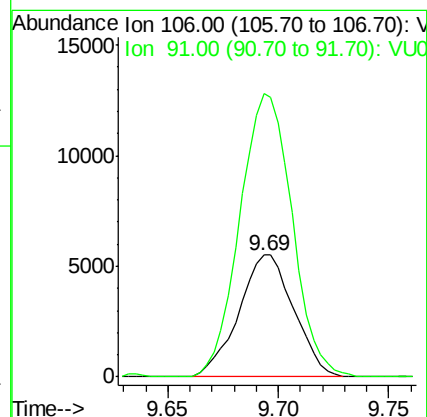
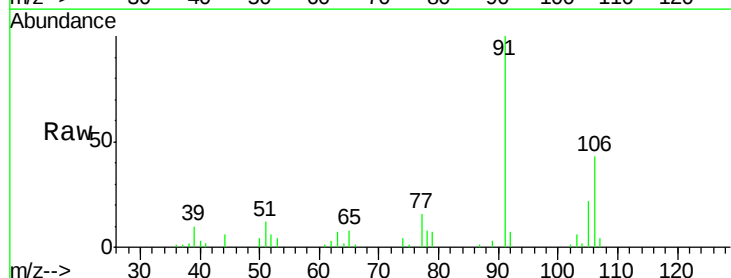
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-01

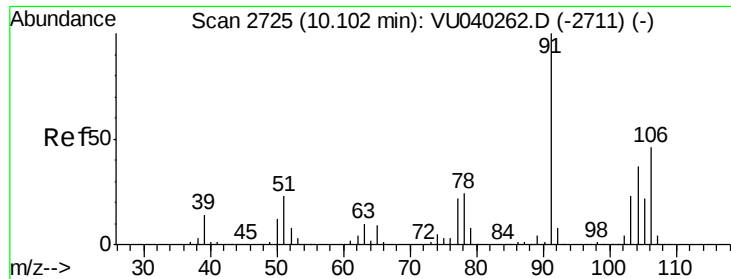
Tot Ion: 91 Resp: 28528
Ion Ratio Lower Upper
91 100
106 28.6 20.6 38.2



#53
m,p-Xylene
Concen: 1.792 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

Tgt Ion: 106 Resp: 9570
Ion Ratio Lower Upper
106 100
91 232.1 147.1 273.3





#54

o-xylene

Concen: 1.793 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

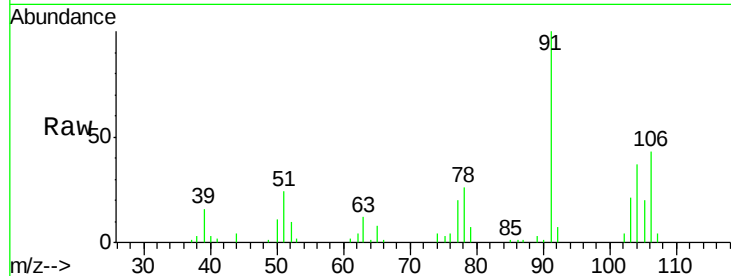
MDL-WATER-01

Tot Ion:106 Resp: 9354

Ion Ratio Lower Upper

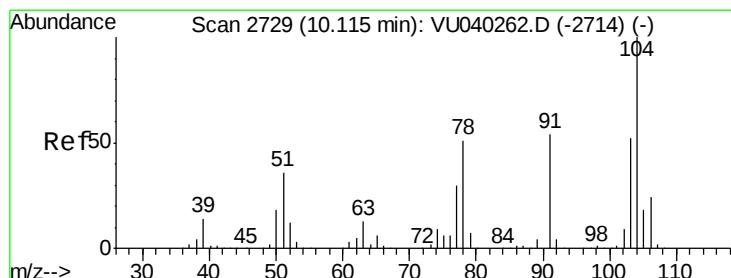
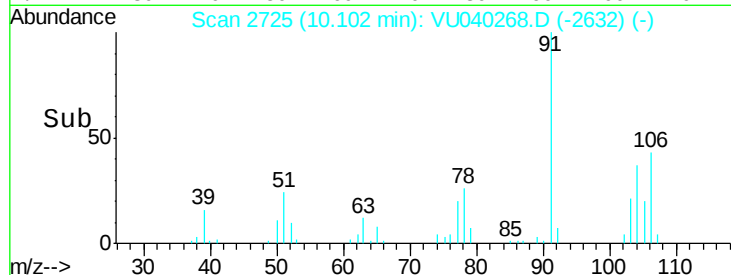
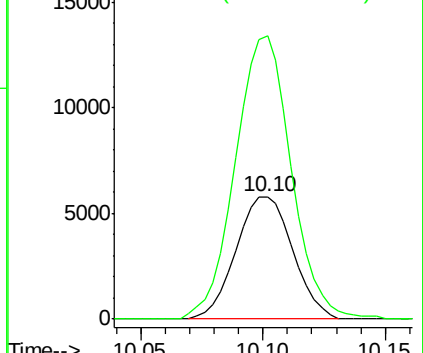
106 100

91 231.2 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.614 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040268.D

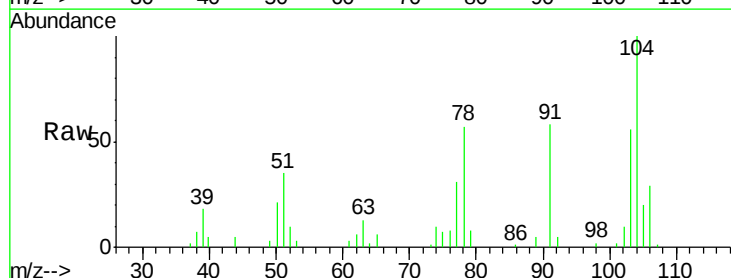
Acq: 24 Sep 2020 13:04

Tgt Ion:104 Resp: 14407

Ion Ratio Lower Upper

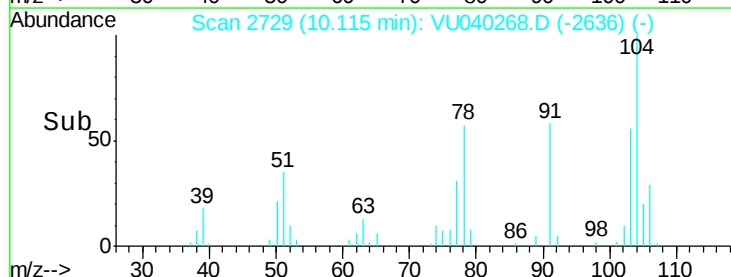
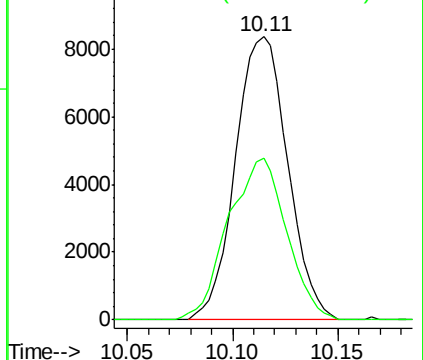
104 100

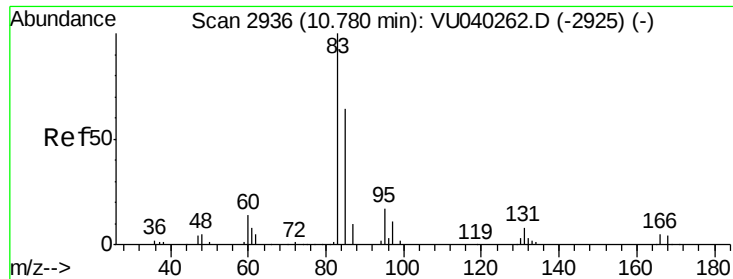
78 57.2 35.8 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

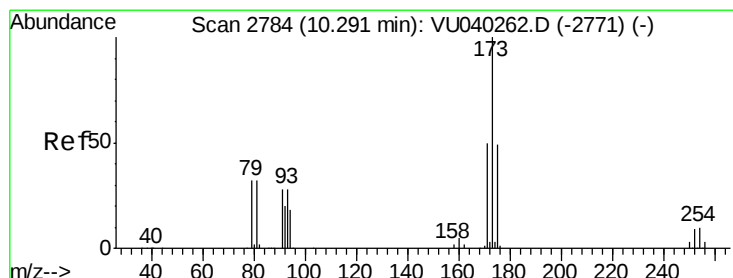
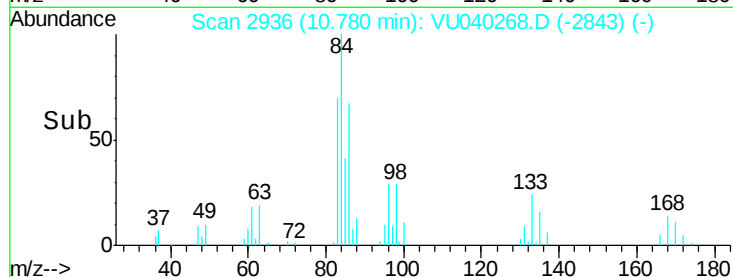
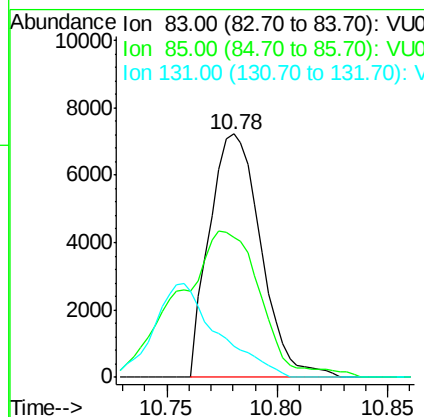
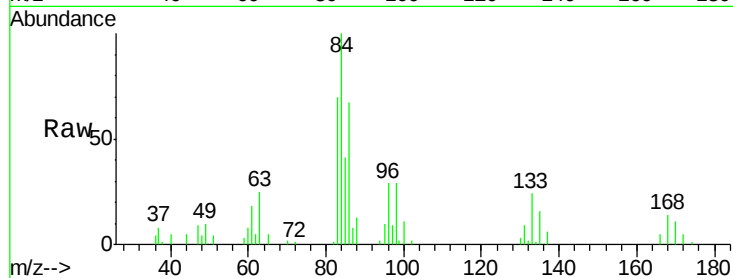




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.083 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

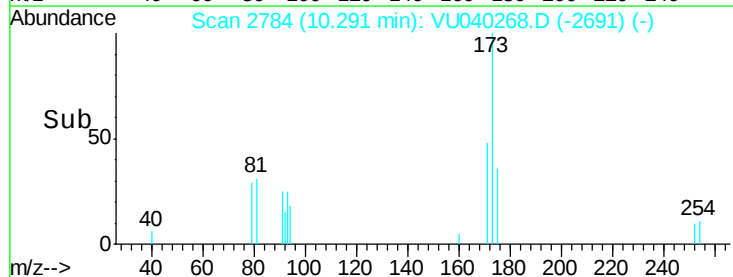
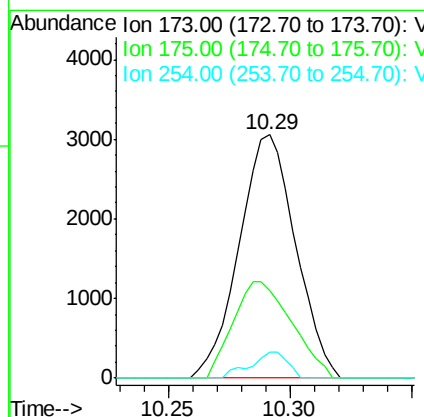
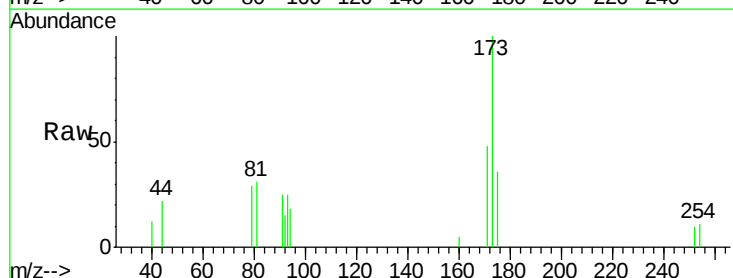
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

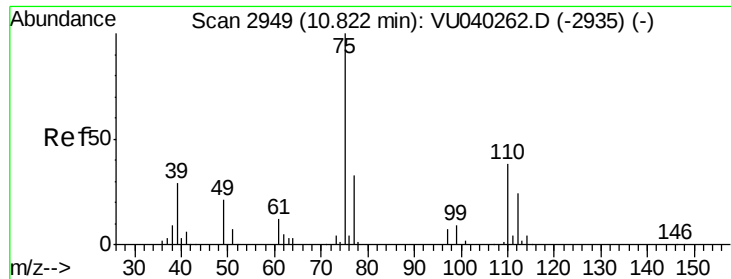
Tot Ion: 83 Resp: 11675
 Ion Ratio Lower Upper
 83 100
 85 57.6 45.6 84.6
 131 12.9 7.4 11.0#



#59
 Bromoform
 Concen: 2.091 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion: 173 Resp: 4894
 Ion Ratio Lower Upper
 173 100
 175 41.2 38.6 58.0
 254 5.5 7.0 10.4#

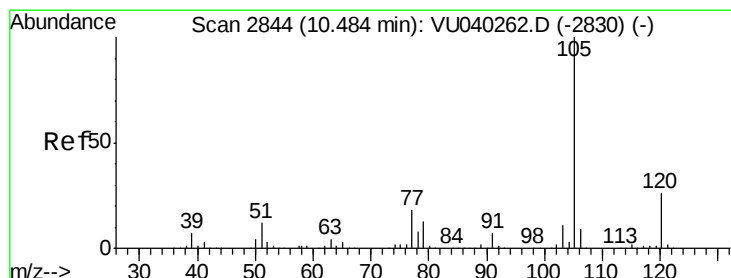
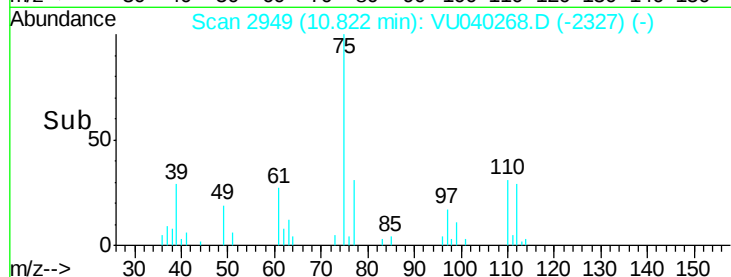
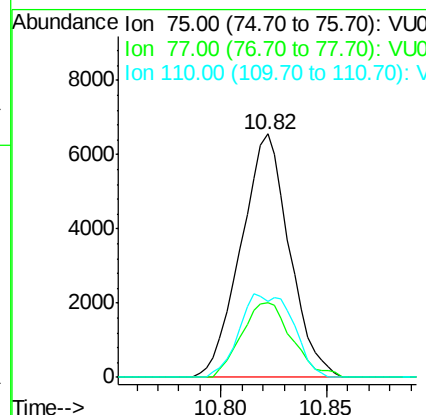
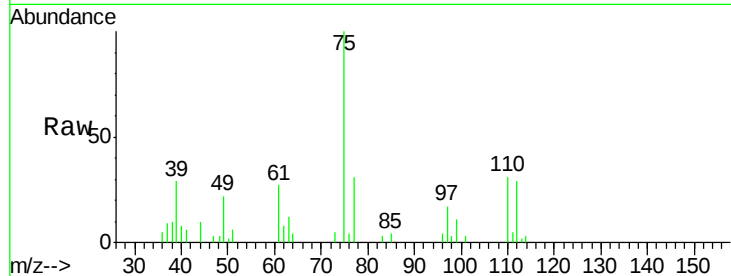




#60
 1,2,3-Trichloropropane
 Concen: 2.304 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

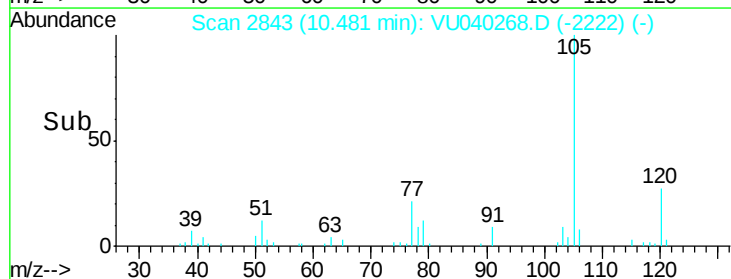
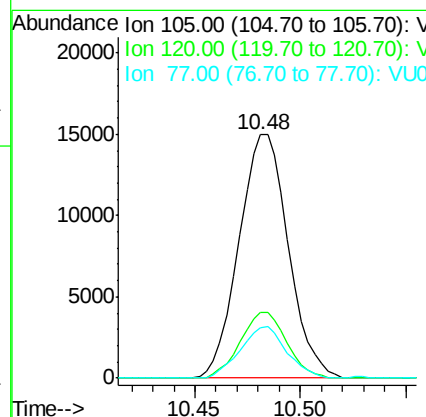
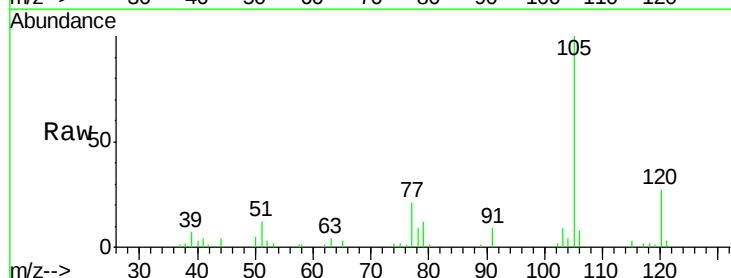
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

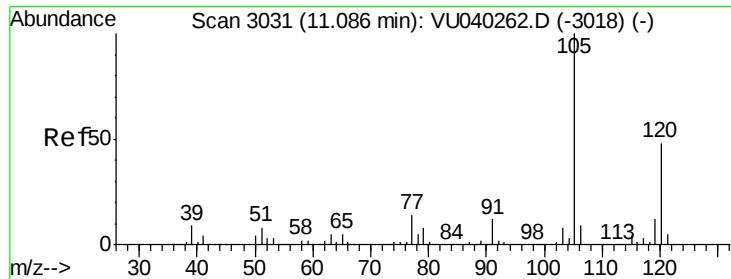
Tot Ion: 75 Resp: 10452
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.0 39.0
 110 21.1 29.8 44.8#



#61
 Isopropylbenzene
 Concen: 1.831 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion: 105 Resp: 24308
 Ion Ratio Lower Upper
 105 100
 120 25.3 20.6 30.8
 77 19.8 13.8 20.6

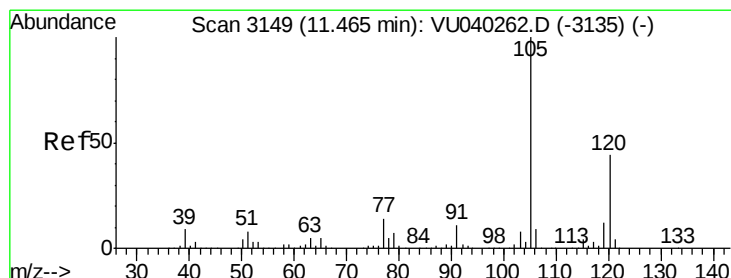
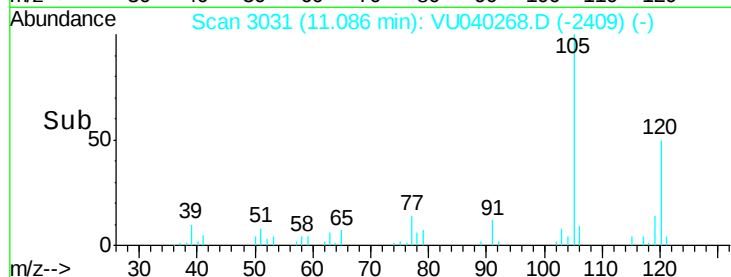
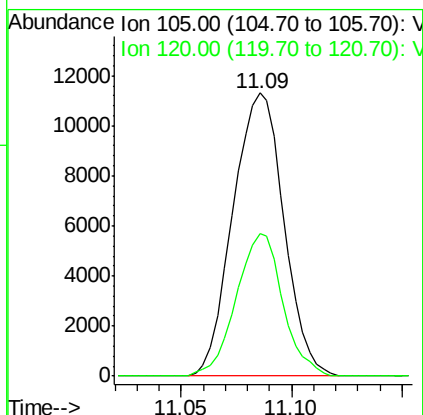
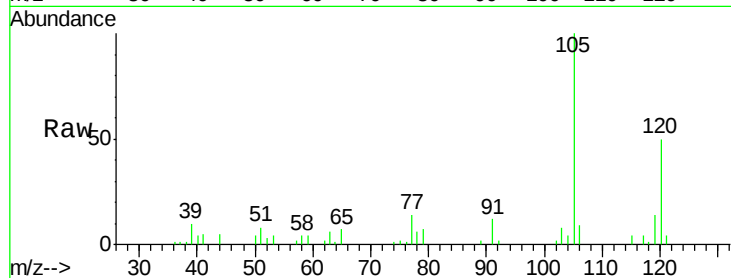




#62
 1,3,5-Trimethylbenzene
 Concen: 1.671 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

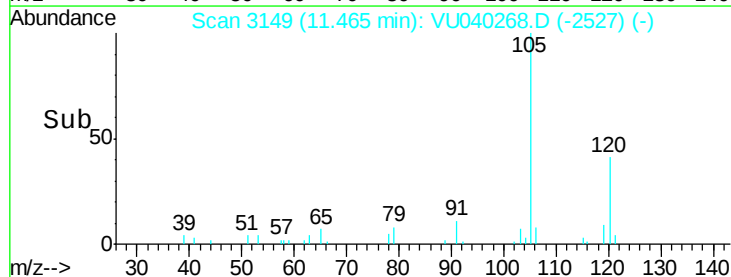
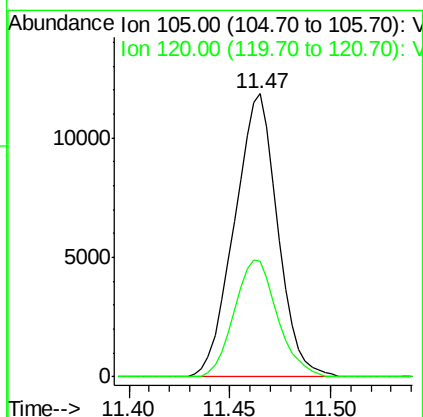
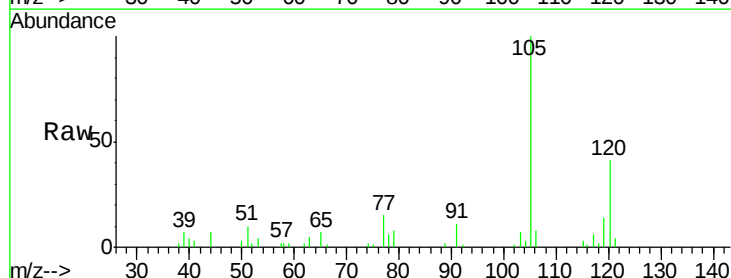
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

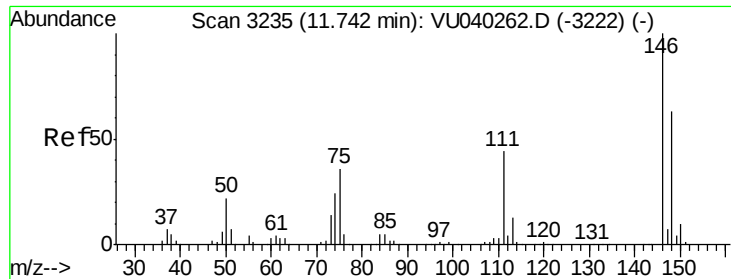
Tot Ion:105 Resp: 18126
 Ion Ratio Lower Upper
 105 100
 120 46.0 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 1.622 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion:105 Resp: 17824
 Ion Ratio Lower Upper
 105 100
 120 41.3 35.8 53.6

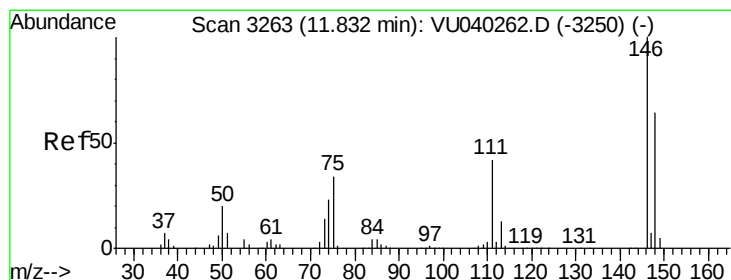
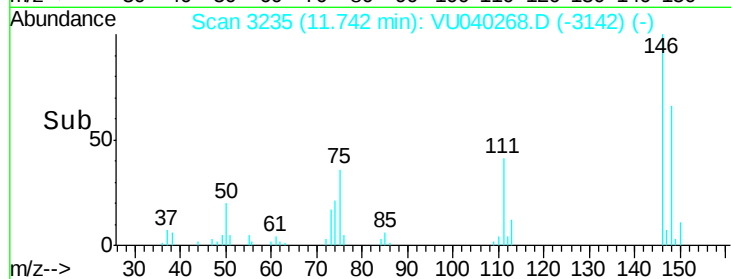
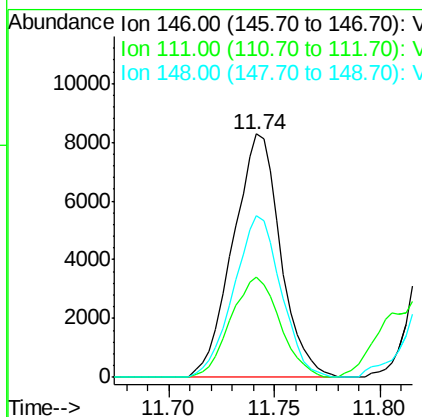
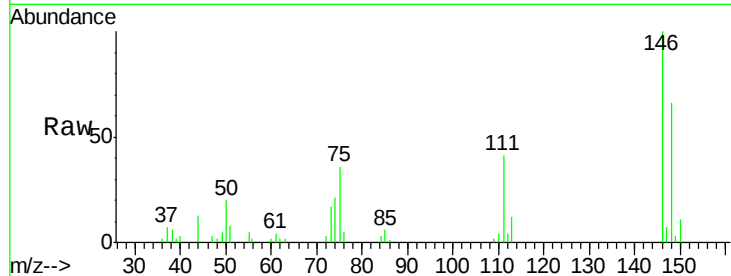




#64
 1,3-Dichlorobenzene
 Concen: 2.065 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

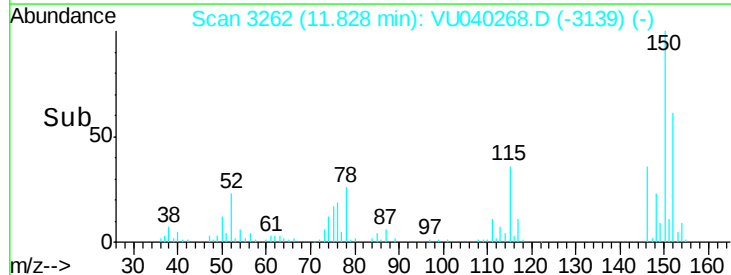
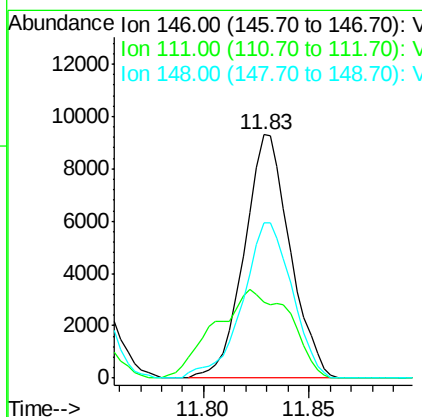
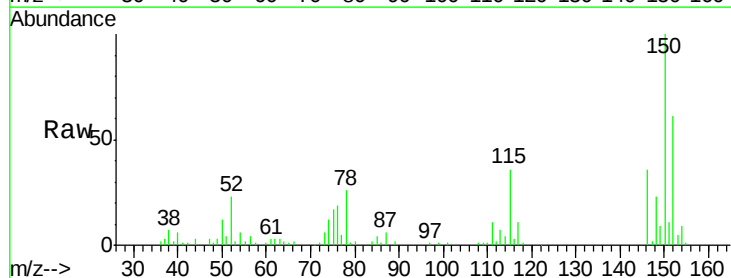
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

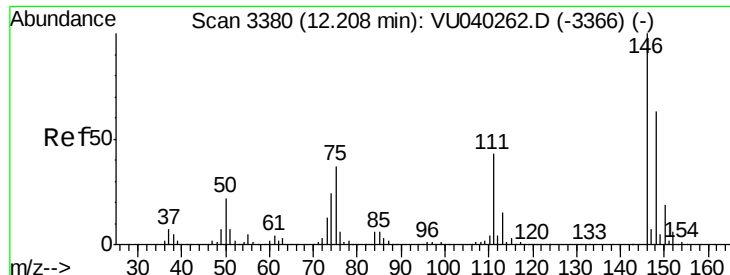
Tot Ion:146 Resp: 12970
 Ion Ratio Lower Upper
 146 100
 111 41.0 30.6 56.8
 148 66.4 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 2.146 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion:146 Resp: 14003
 Ion Ratio Lower Upper
 146 100
 111 31.4 29.4 54.6
 148 63.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 2.299 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-01

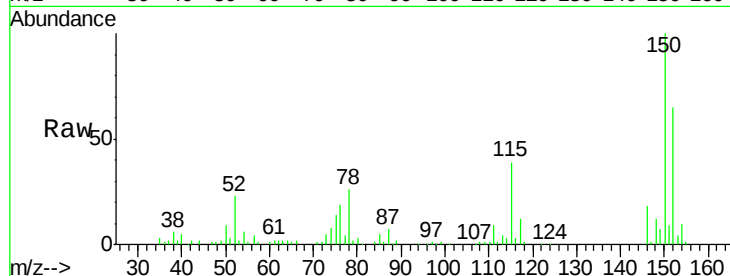
Tot Ion:146 Resp: 14383

Ion Ratio Lower Upper

146 100

111 50.6 34.5 51.7

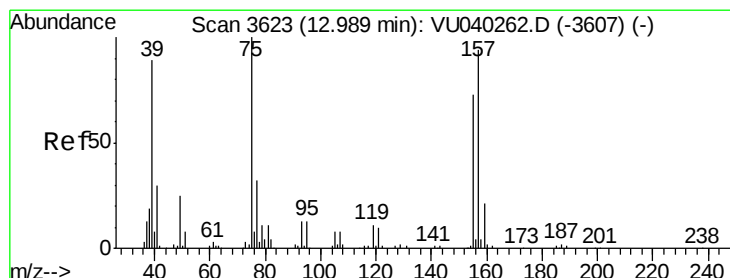
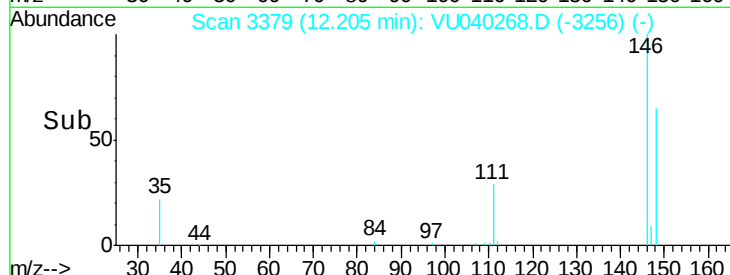
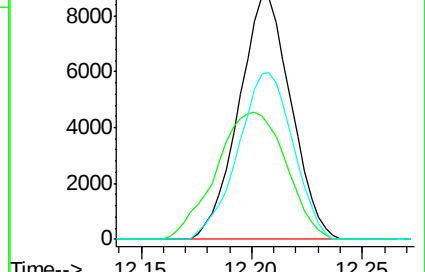
148 68.2 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 2.324 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040268.D

Acq: 24 Sep 2020 13:04

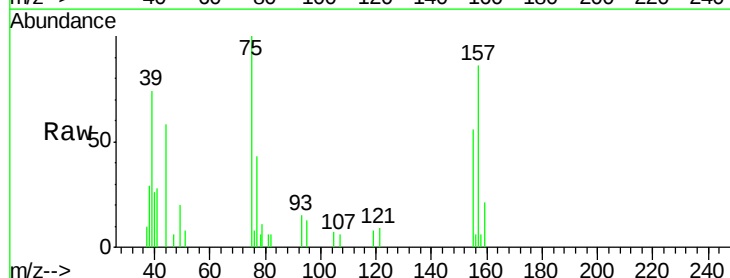
Tgt Ion: 75 Resp: 2972

Ion Ratio Lower Upper

75 100

155 55.9 58.8 88.2#

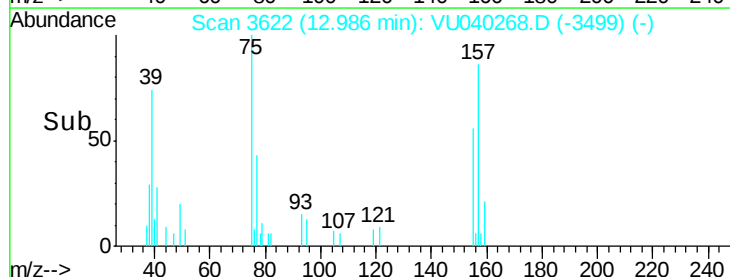
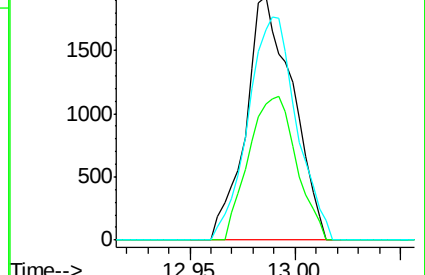
157 86.2 75.1 112.7

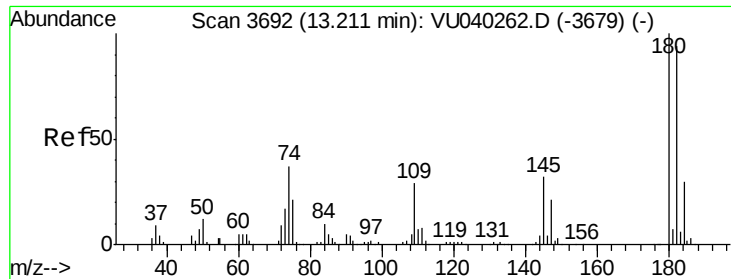


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

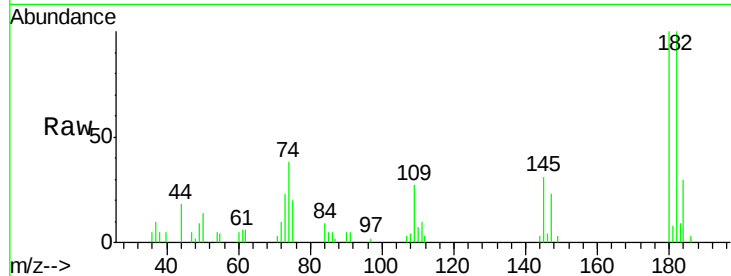




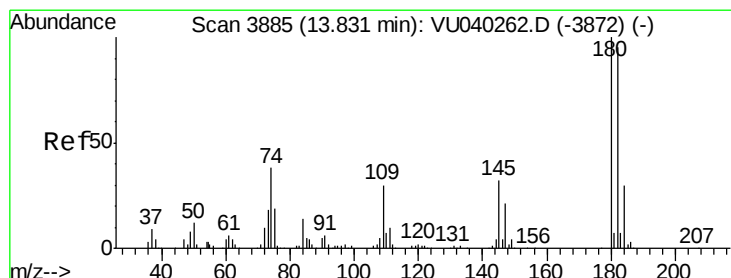
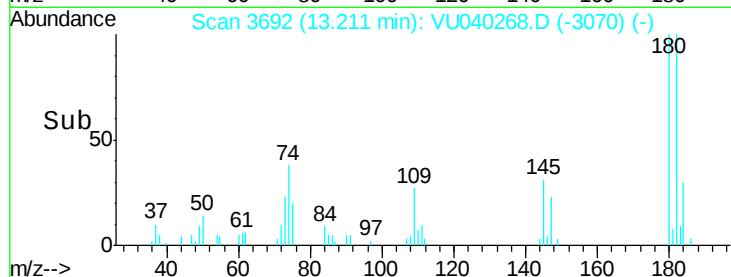
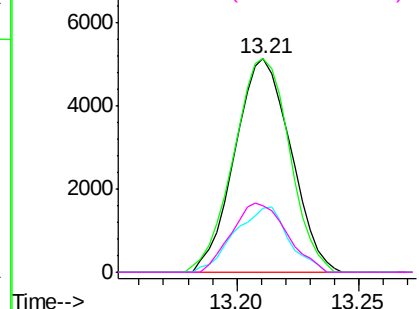
#69
 1,3,5-Trichlorobenzene
 Concen: 1.994 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-01

Tot Ion:180 Resp: 8164
 Ion Ratio Lower Upper
 180 100
 182 100.1 75.4 113.0
 184 29.6 23.7 35.5
 145 32.0 25.3 37.9

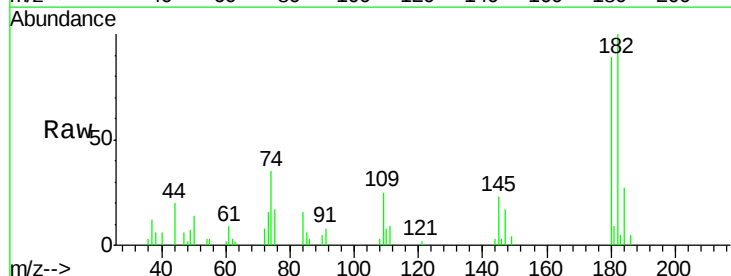


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

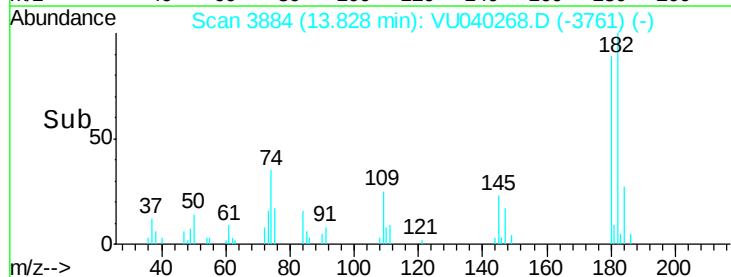
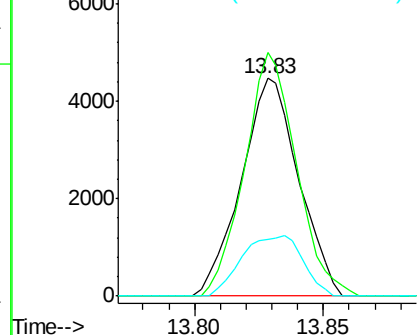


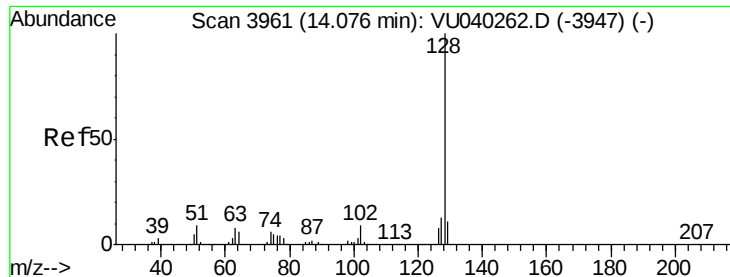
#70
 1,2,4-trichlorobenzene
 Concen: 1.959 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040268.D
 Acq: 24 Sep 2020 13:04

Tgt Ion:180 Resp: 6923
 Ion Ratio Lower Upper
 180 100
 182 101.2 76.3 114.5
 145 29.5 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

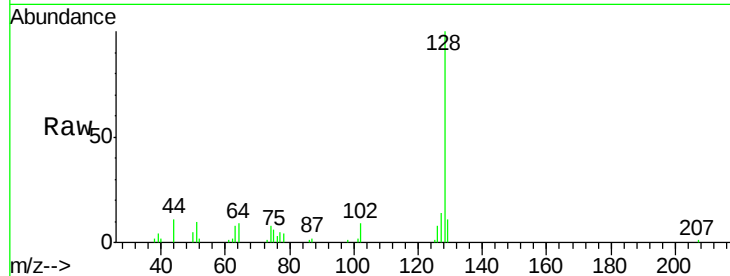




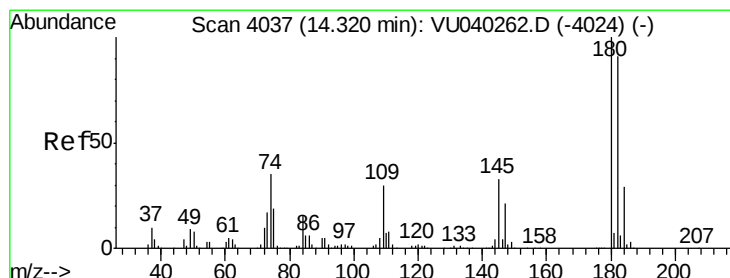
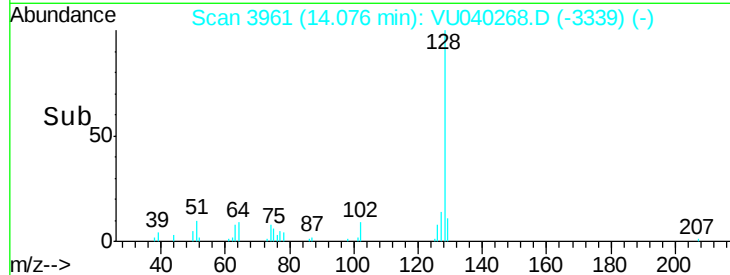
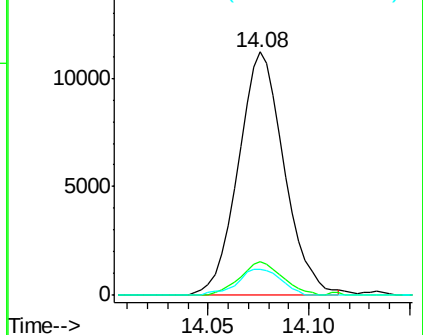
#71
Naphthalene
Concen: 1.628 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-01

Tot Ion:128 Resp: 17814
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.2 8.8 13.2

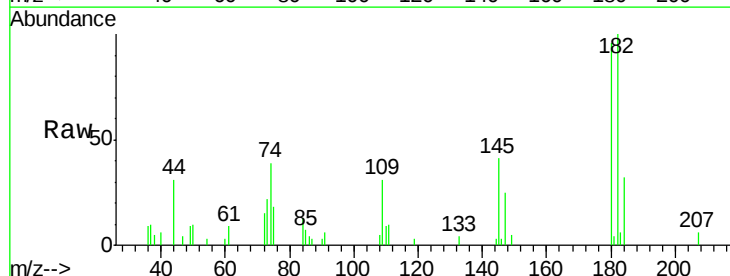


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.930 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040268.D
Acq: 24 Sep 2020 13:04

Tgt Ion:180 Resp: 6727
Ion Ratio Lower Upper
180 100
182 97.1 74.2 111.4
145 37.5 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

