

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040550.D
 Acq On : 07 Oct 2020 17:25
 Operator : SY/MD
 Sample : L4485-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-07

Quant Time: Oct 08 01:21:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 01:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	254891	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	255389	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	122791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	100400	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.92	69	80938	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.06%
11) 1,1-Dichloroethene-d2	2.58	63	151264	36.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.42%
21) 2-Butanone-d5	4.64	46	202932	116.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.81%
24) Chloroform-d	5.08	84	184203	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.72	65	130341	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.75	84	349080	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
36) 1,2-Dichloropropane-d6	6.70	67	116138	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.91	98	301746	45.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.58%
43) trans-1,3-Dichloropropene-	8.19	79	55648	45.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.28%
47) 2-Hexanone-d5	8.64	63	129109	113.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.69%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	175988	50.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.02%
66) 1,2-Dichlorobenzene-d4	12.19	152	124429	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	5998	2.444 ug/L	99
3) Chloromethane	1.53	50	6518	2.527 ug/L	98
5) Vinyl chloride	1.61	62	6762	2.648 ug/L #	78
6) Bromomethane	1.86	94	3286	2.452 ug/L	100
8) Chloroethane	1.94	64	3877	2.516 ug/L	97
9) Trichlorofluoromethane	2.15	101	8661	2.644 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5934	3.039 ug/L	92
12) 1,1-Dichloroethene	2.59	96	5607	3.106 ug/L #	1
13) Acetone	2.64	43	8775	5.260 ug/L	96
14) Carbon disulfide	2.81	76	14697	2.371 ug/L	97
15) Methyl Acetate	2.96	43	7925	2.912 ug/L	95
16) Methylene chloride	3.06	84	6091	2.845 ug/L	89
17) trans-1,2-Dichloroethene	3.37	96	4913	2.555 ug/L	99
18) Methyl tert-butyl Ether	3.38	73	13738	2.272 ug/L	97
19) 1,1-Dichloroethane	3.89	63	9954	2.596 ug/L	95
20) cis-1,2-Dichloroethene	4.69	96	5294	2.555 ug/L	81
22) 2-Butanone	4.73	43	11612	5.456 ug/L	76

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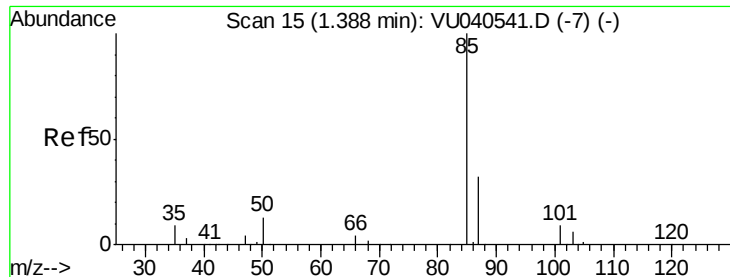
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	2844	2.634	ug/L	87
25) Chloroform	5.11	83	11825	3.024	ug/L	92
27) 1,2-Dichloroethane	5.81	62	7951	2.464	ug/L #	93
29) Cyclohexane	5.41	56	7344	2.148	ug/L	92
30) 1,1,1-Trichloroethane	5.33	97	8246	2.514	ug/L	97
31) Carbon tetrachloride	5.54	117	7183	2.533	ug/L	96
33) Benzene	5.79	78	20543	2.489	ug/L	100
34) Trichloroethene	6.56	95	5363	2.522	ug/L	93
35) Methylcyclohexane	6.78	83	7429	2.298	ug/L	97
37) 1,2-Dichloropropane	6.80	63	5811	2.564	ug/L #	90
38) Bromodichloromethane	7.12	83	7346	2.495	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	8046	2.422	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	16293	4.555	ug/L	99
42) Toluene	7.98	91	20044	2.378	ug/L	94
44) trans-1,3-Dichloropropene	8.21	75	8039	2.403	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	5197	2.559	ug/L	95
46) Tetrachloroethene	8.56	164	3833	2.495	ug/L	96
48) 2-Hexanone	8.69	43	18862	6.488	ug/L	98
49) Dibromochloromethane	8.81	129	5172	2.333	ug/L	99
50) 1,2-Dibromoethane	8.93	107	5473	2.542	ug/L #	97
51) Chlorobenzene	9.45	112	12937	2.340	ug/L	96
52) Ethylbenzene	9.57	91	20707	2.214	ug/L	100
53) m,p-Xylene	9.69	106	7069	2.052	ug/L	95
54) o-xylene	10.10	106	6377	1.946	ug/L	98
55) Styrene	10.11	104	10964	1.899	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	9148	2.547	ug/L	99
59) Bromoform	10.29	173	3627	2.410	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	7904	2.834	ug/L	99
61) Isopropylbenzene	10.48	105	16914	2.051	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	12625	1.863	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	12255	1.783	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	9383	2.334	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	10413	2.466	ug/L	93
67) 1,2-Dichlorobenzene	12.21	146	10886	2.703	ug/L	94
68) 1,2-Dibromo-3-chloropropan	13.00	75	2101	2.681	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	6511	2.471	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	4913	2.152	ug/L	97
71) Naphthalene	14.08	128	10156	1.439	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	4124	1.820	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 2.444 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040550.D

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MSVOA_U

ClientSampleId :

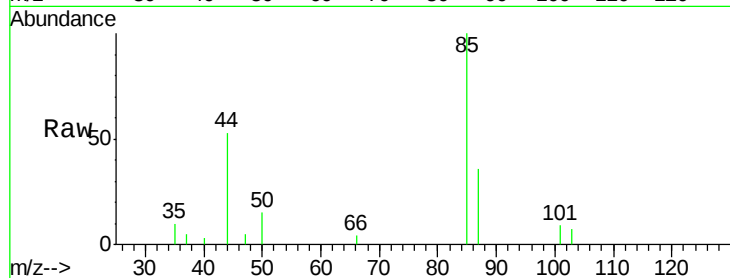
MDL-WATER-07

Tot Ion: 85 Resp: 5998

Ion Ratio Lower Upper

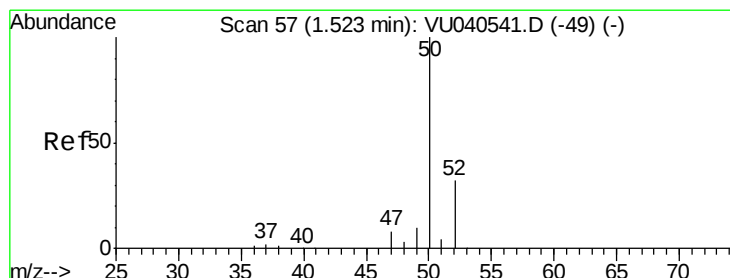
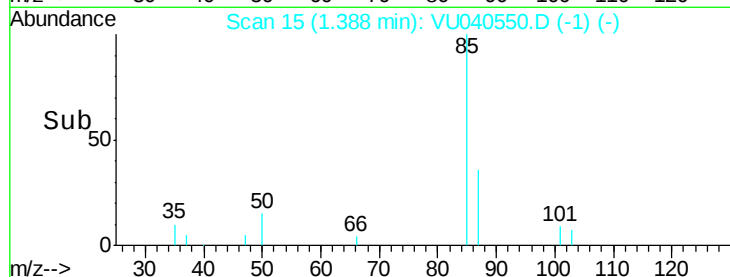
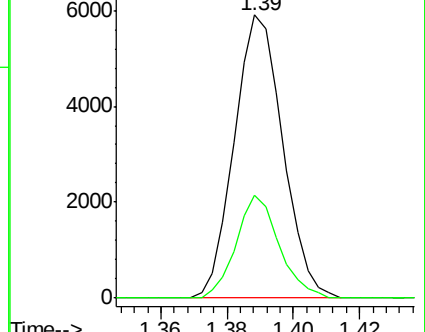
85 100

87 32.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040550.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040550.D (-1) (-)



#3

Chloromethane

Concen: 2.527 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040550.D

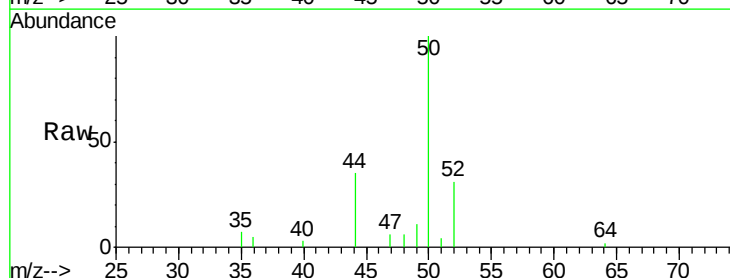
Acq: 07 Oct 2020 17:25

Tgt Ion: 50 Resp: 6518

Ion Ratio Lower Upper

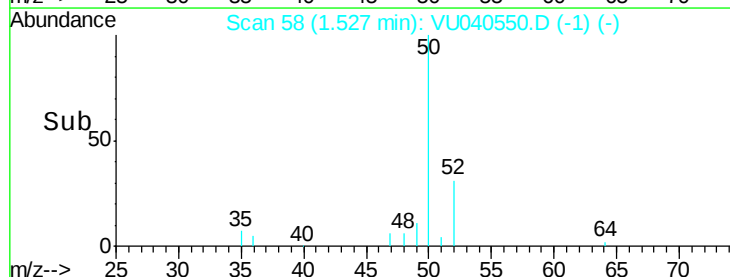
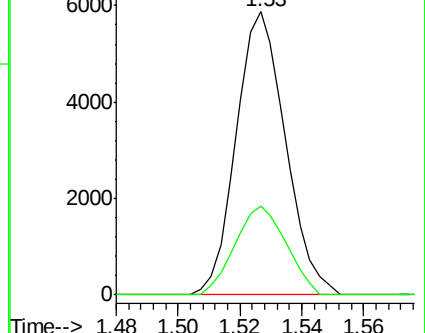
50 100

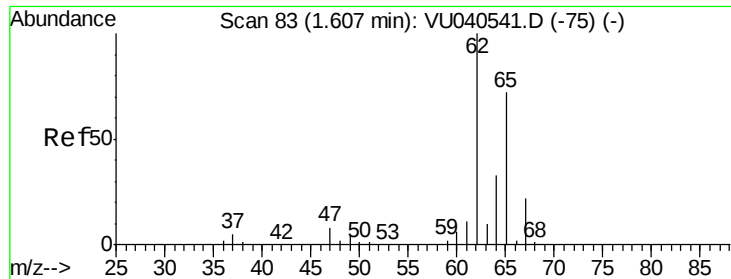
52 31.3 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU040550.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040550.D (-1) (-)





#5

Vinyl chloride

Concen: 2.648 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

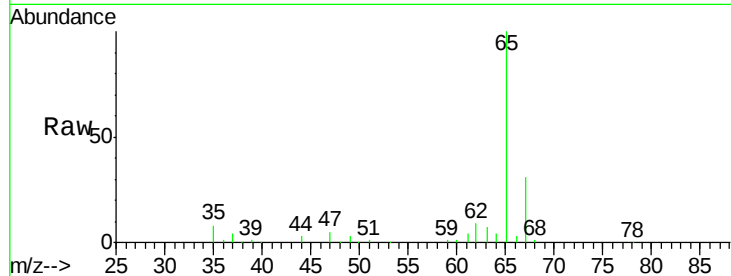
MDL-WATER-07

Tot Ion: 62 Resp: 6762

Ion Ratio Lower Upper

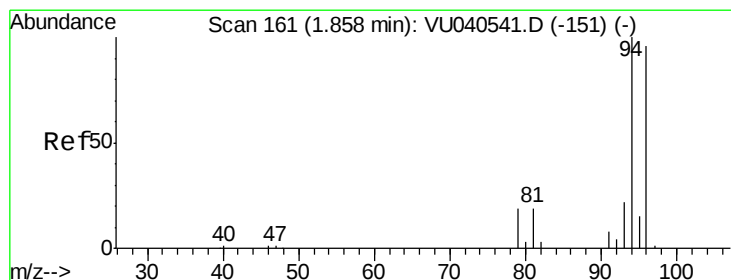
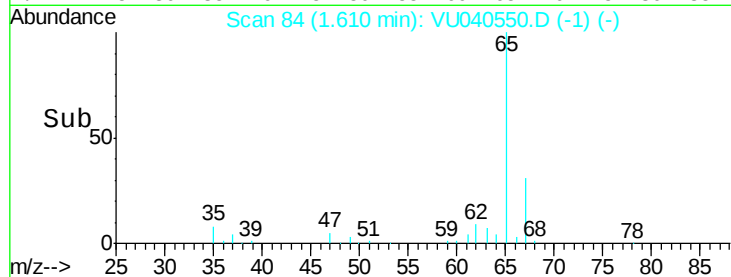
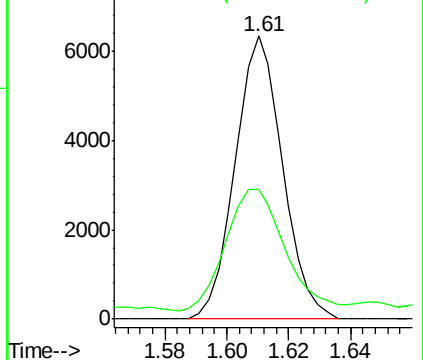
62 100

64 45.9 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.452 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU040550.D

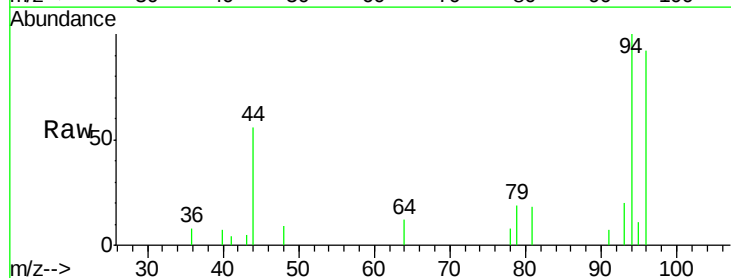
Acq: 07 Oct 2020 17:25

Tgt Ion: 94 Resp: 3286

Ion Ratio Lower Upper

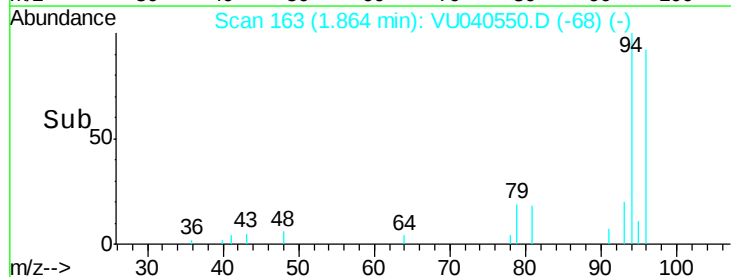
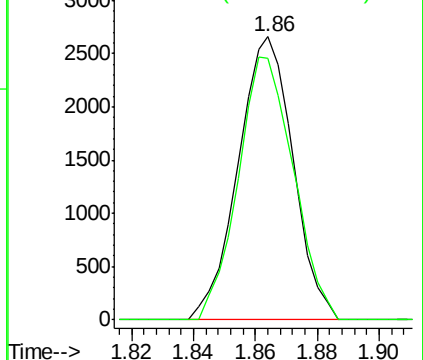
94 100

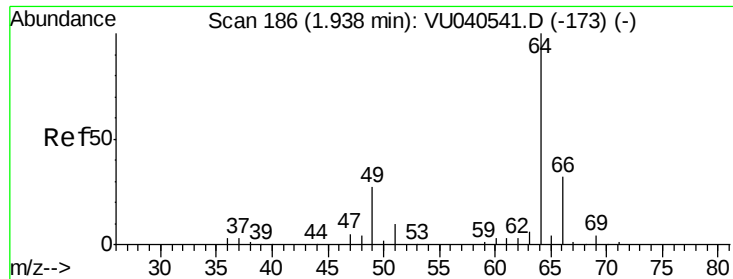
96 92.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

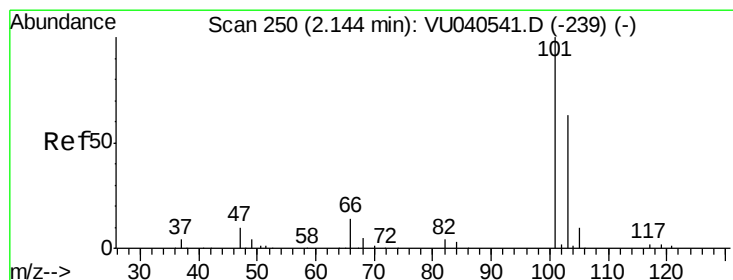
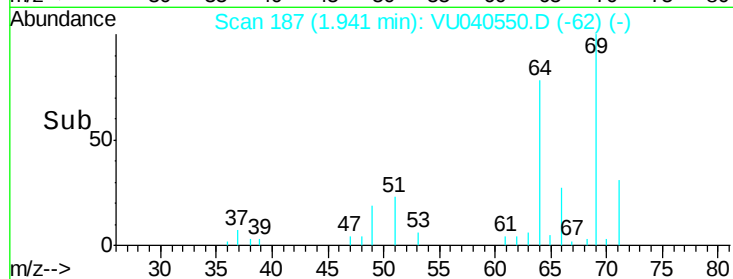
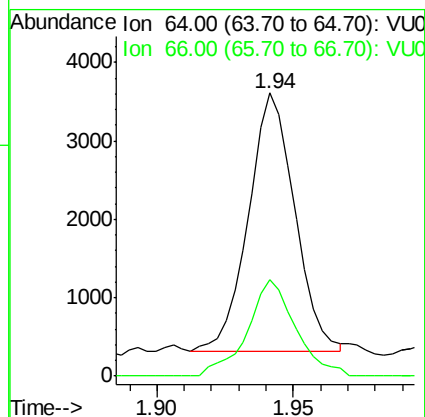
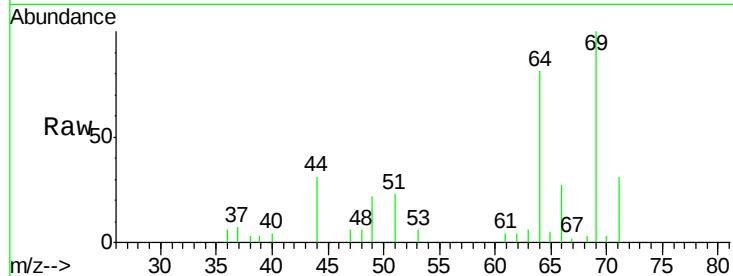




#8
Chloroethane
Concen: 2.516 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

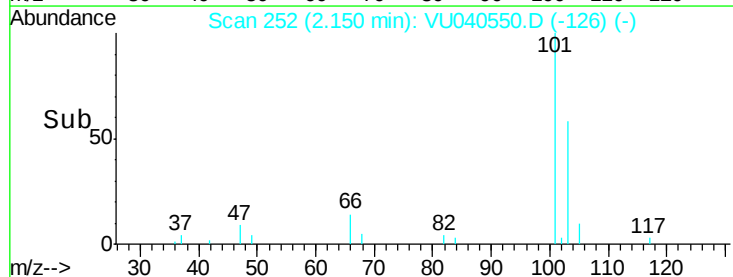
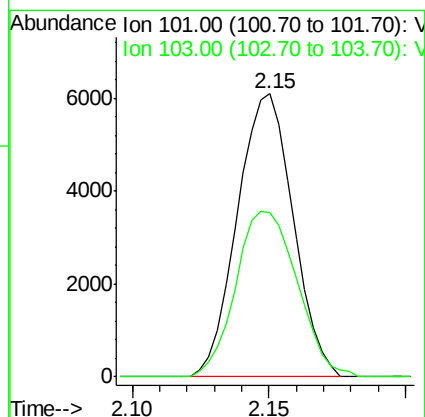
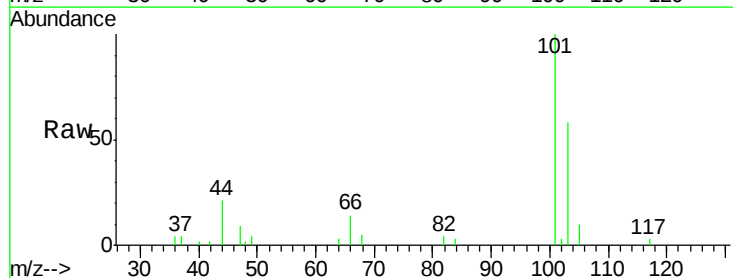
Instrument :
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MDL-WATER-07

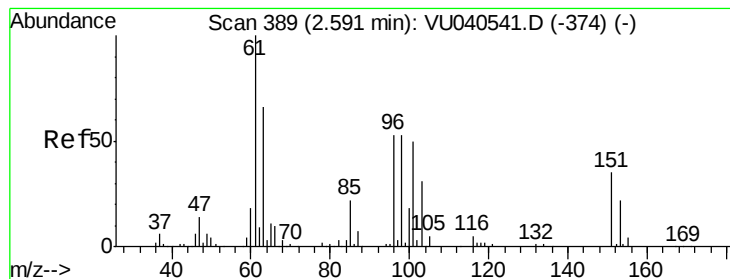
Tot Ion: 64 Resp: 3877
Ion Ratio Lower Upper
64 100
66 33.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.644 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.01 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Tgt Ion: 101 Resp: 8661
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1





#10

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

Concen: 3.039 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-07

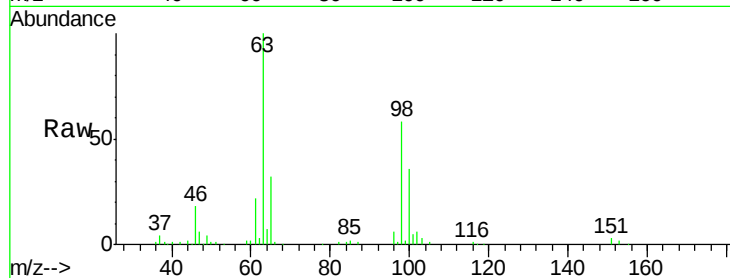
Tot Ion:101 Resp: 5934

Ion Ratio Lower Upper

101 100

85 38.6 35.4 53.2

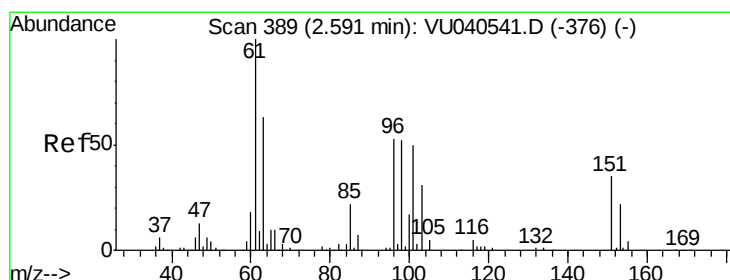
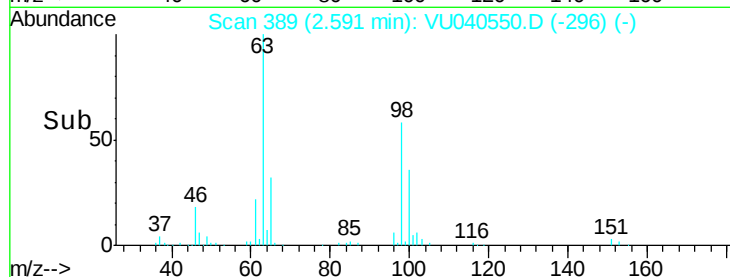
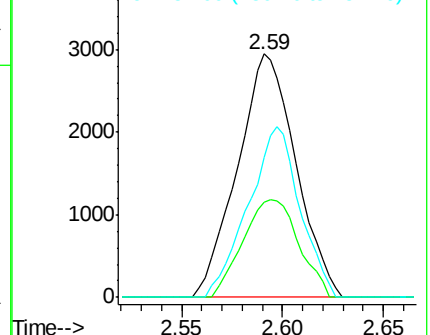
151 62.1 54.8 82.2



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: 3.106 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

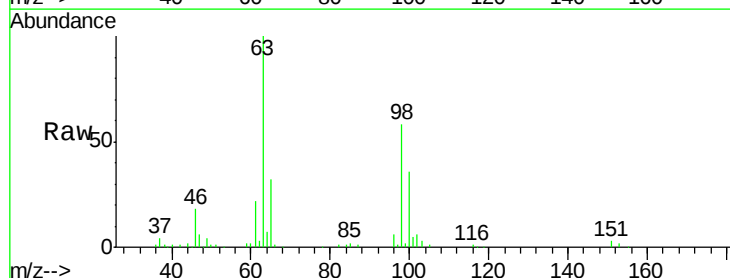
Tgt Ion: 96 Resp: 5607

Ion Ratio Lower Upper

96 100

61 369.8 135.0 250.8#

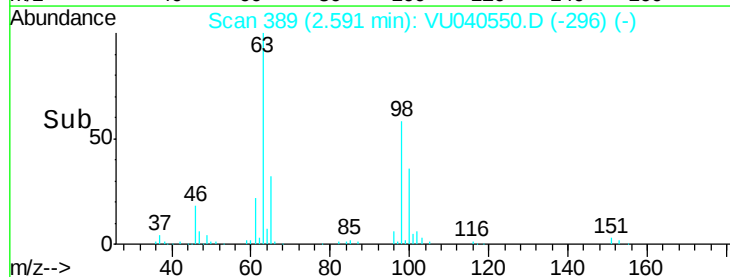
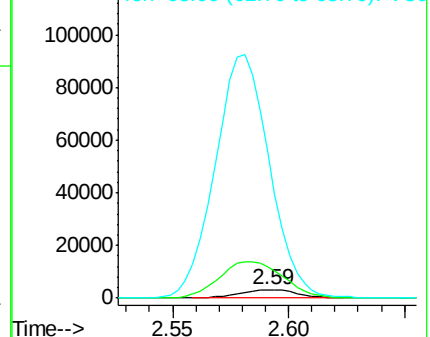
63 1692.4 101.4 188.2#

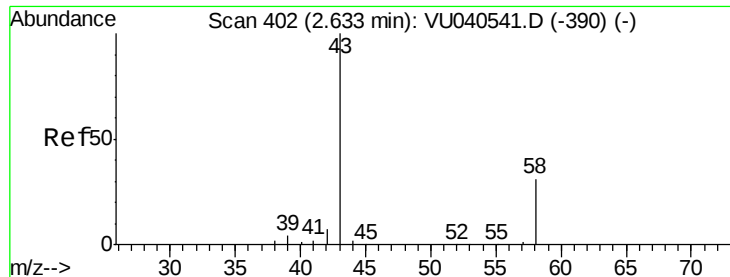


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.260 ug/L

RT: 2.64 min Scan# 404

Delta R.T. 0.01 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

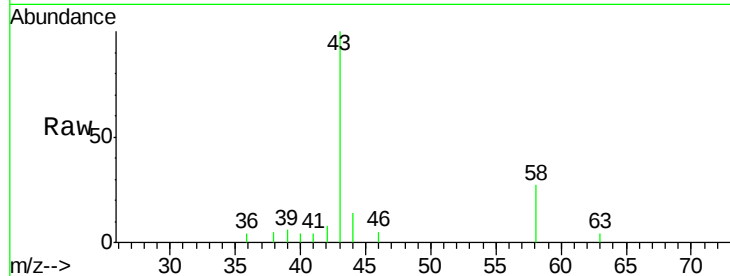
MDL-WATER-07

Tot Ion: 43 Resp: 8775

Ion Ratio Lower Upper

43 100

58 27.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU040550.D (-309) (-)

Ion 58.00 (57.70 to 58.70): VU040550.D (-309) (-)

2.64

5000

4000

3000

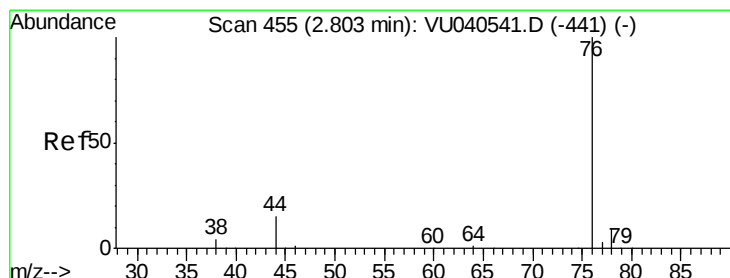
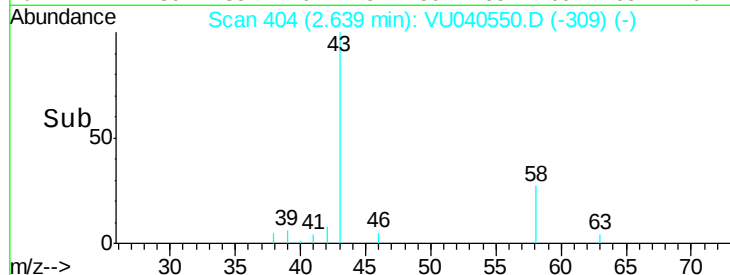
2000

1000

0

Time-->

2.60 2.65 2.70



#14

Carbon disulfide

Concen: 2.371 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.01 min

Lab File: VU040550.D

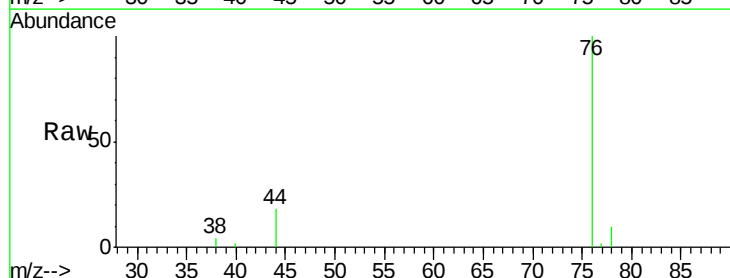
Acq: 07 Oct 2020 17:25

Tgt Ion: 76 Resp: 14697

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU040550.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU040550.D (-362) (-)

10000

8000

6000

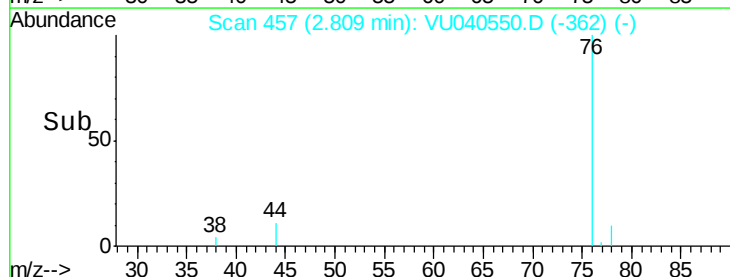
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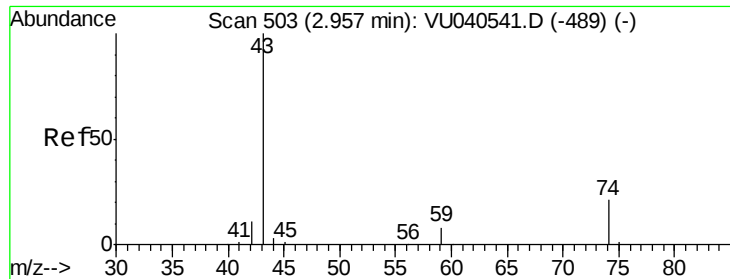
2000

0

Time-->

2.75 2.80 2.85





#15

Methvl Acetate

Concen: 2.912 ug/L

RT: 2.96 min Scan# 505

Delta R.T. 0.01 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

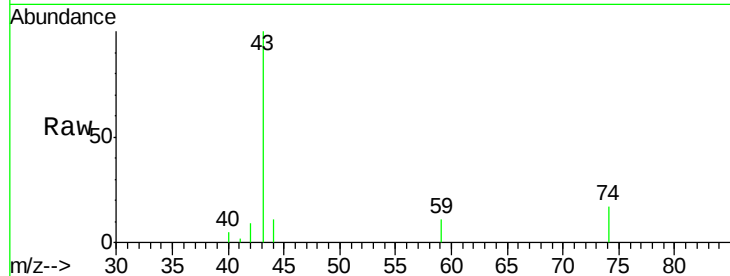
MDL-WATER-07

Tot Ion: 43 Resp: 7925

Ion Ratio Lower Upper

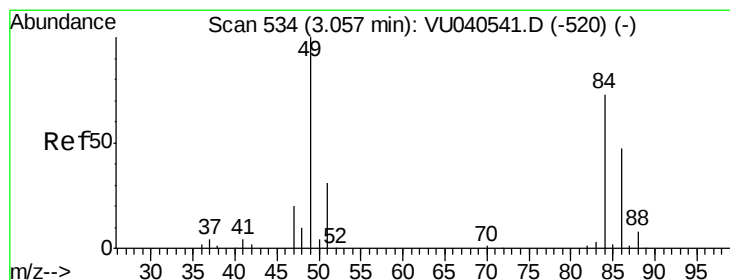
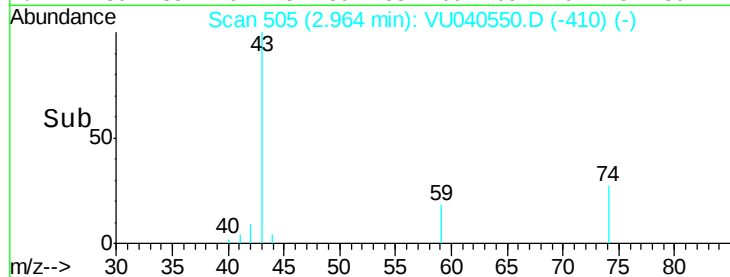
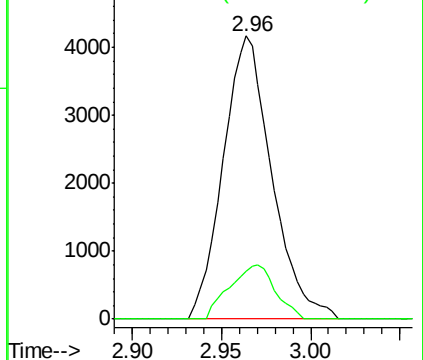
43 100

74 18.0 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 2.845 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

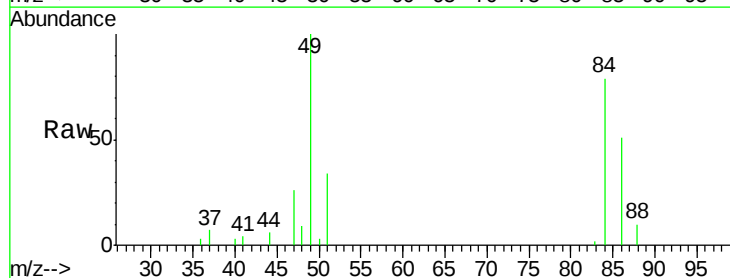
Tgt Ion: 84 Resp: 6091

Ion Ratio Lower Upper

84 100

86 65.5 45.4 84.4

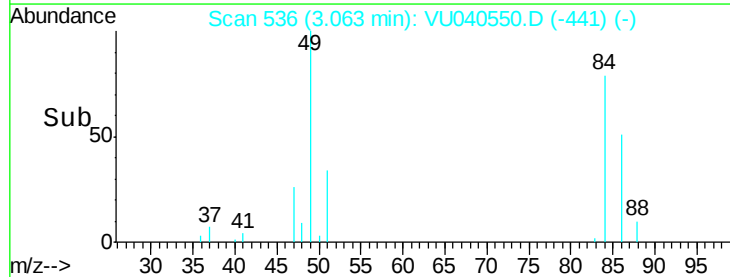
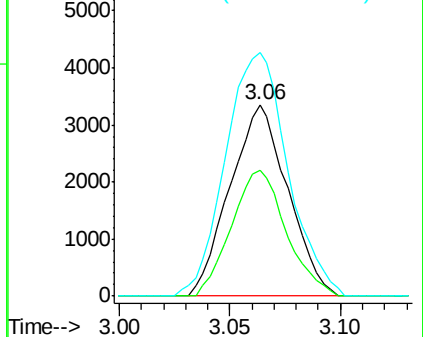
49 127.1 102.9 191.1

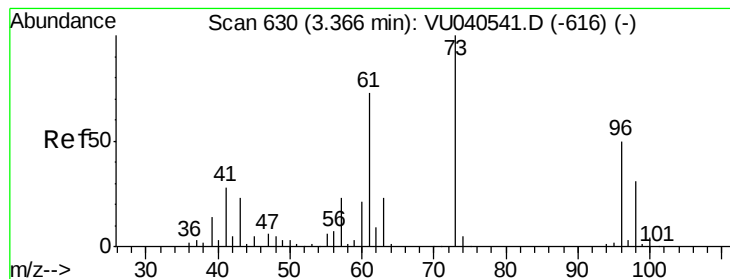


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 2.555 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-07

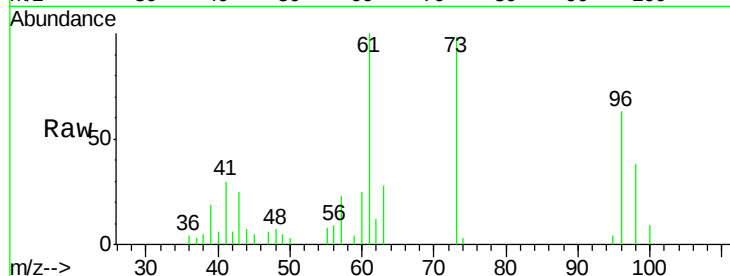
Tot Ion: 96 Resp: 4913

Ion Ratio Lower Upper

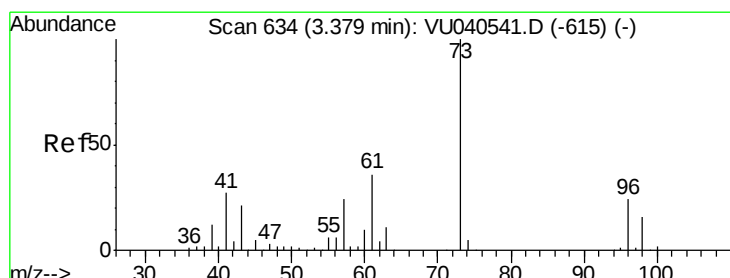
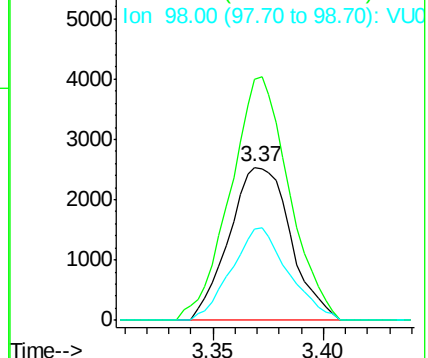
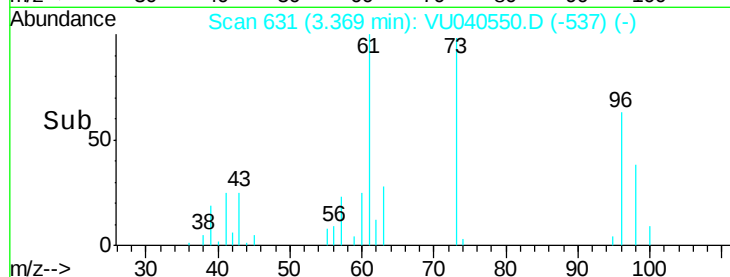
96 100

61 157.7 109.6 203.6

98 60.0 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040550.D (-537) (-)



#18

Methyl tert-butyl Ether

Concen: 2.272 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

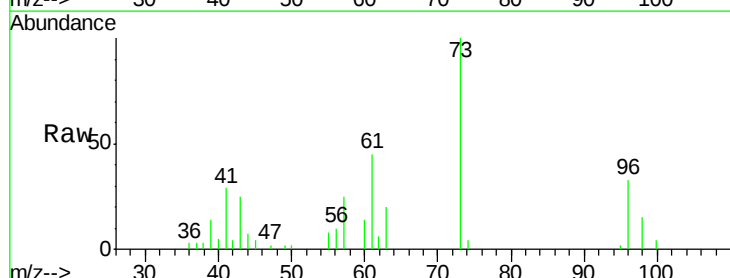
Tgt Ion: 73 Resp: 13738

Ion Ratio Lower Upper

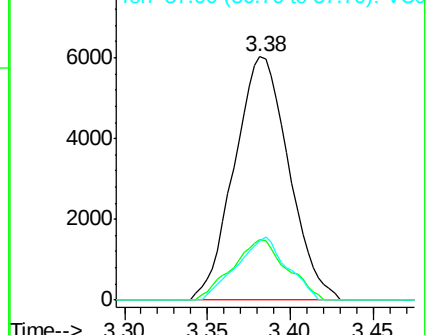
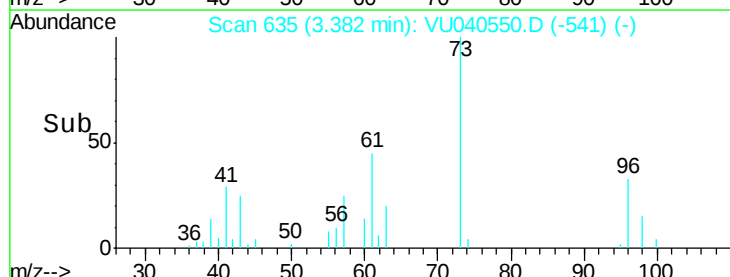
73 100

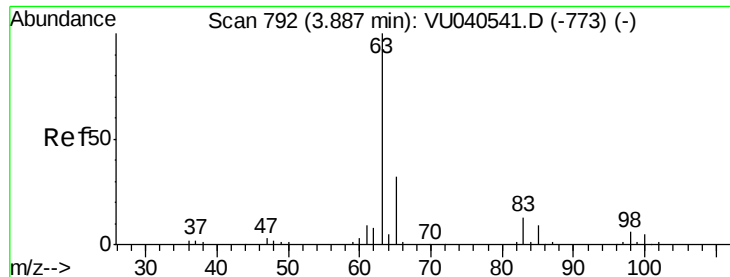
43 24.8 18.2 27.2

57 23.8 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VU040550.D (-541) (-)

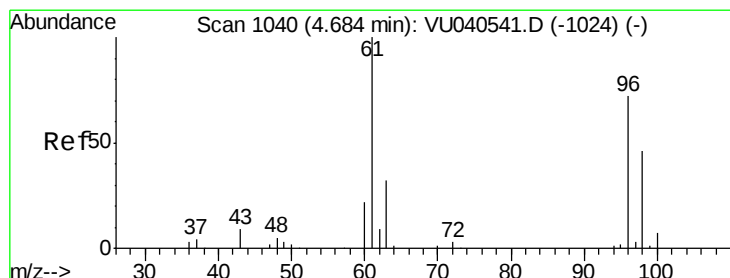
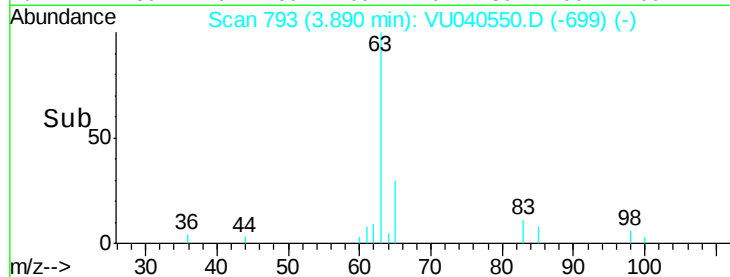
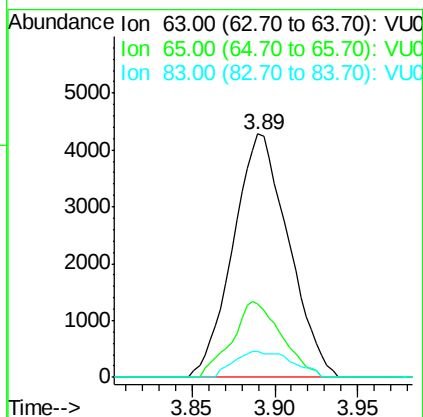
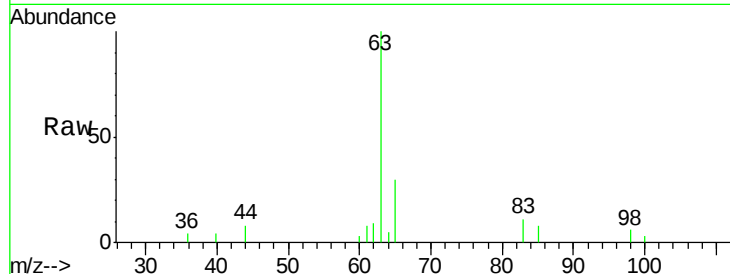




#19
 1,1-Dichloroethane
 Concen: 2.596 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

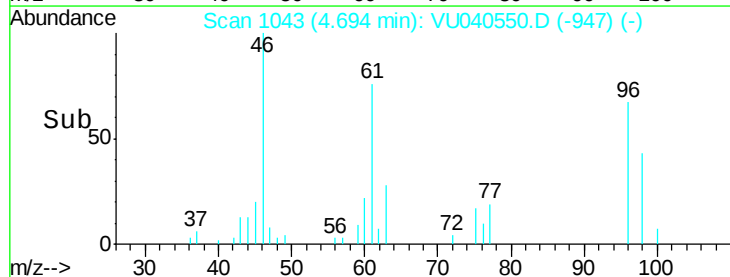
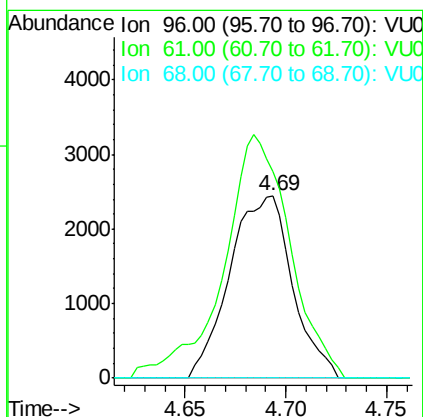
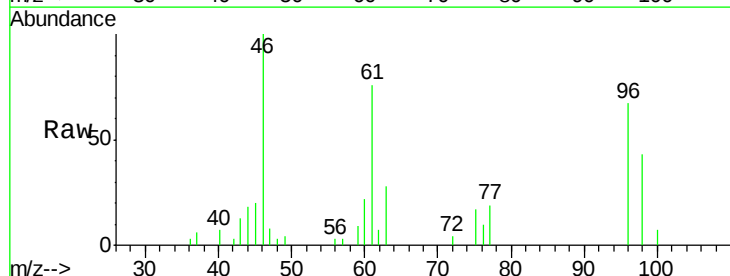
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

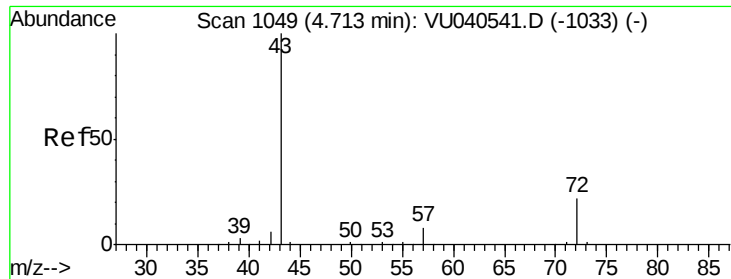
Tot Ion: 63 Resp: 9954
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.6 42.0
 83 10.5 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 2.555 ug/L
 RT: 4.69 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 96 Resp: 5294
 Ion Ratio Lower Upper
 96 100
 61 113.5 95.7 177.7
 68 0.0 0.0 0.0

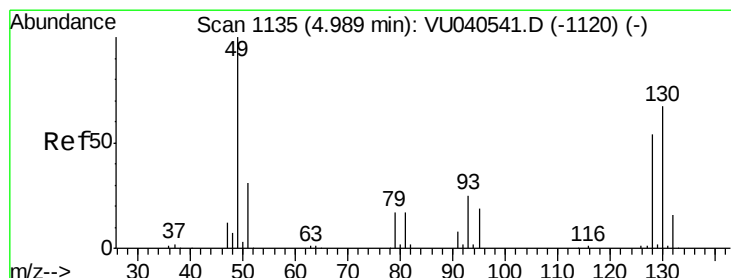
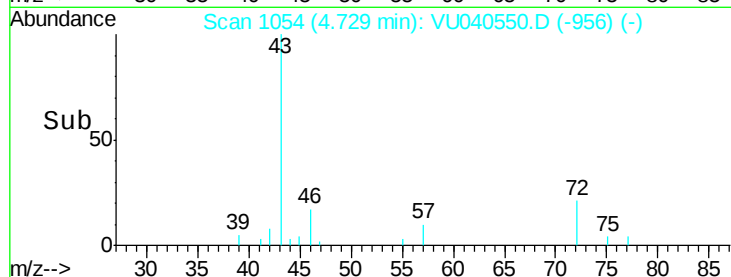
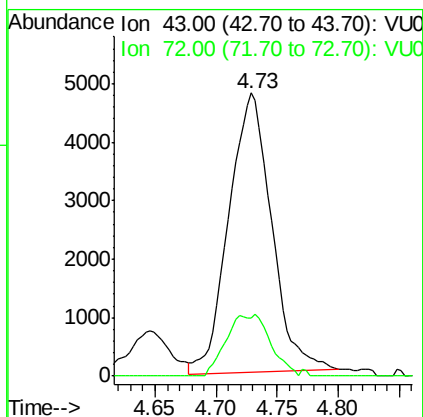
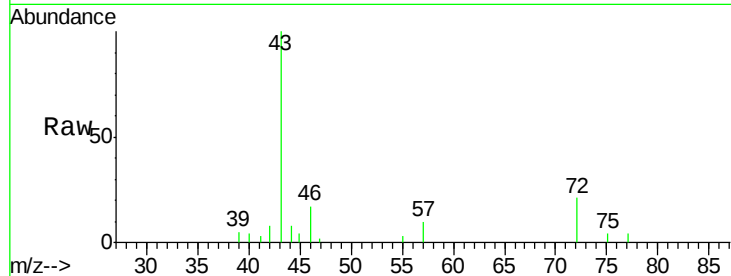




#22
 2-Butanone
 Concen: 5.456 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

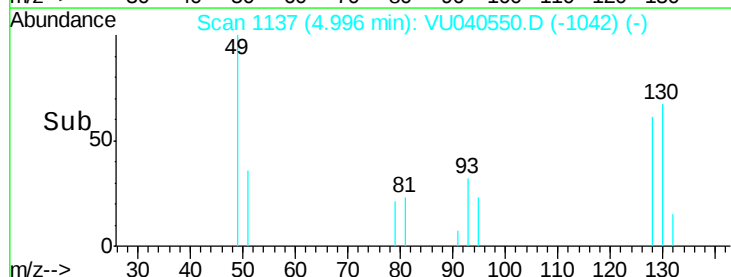
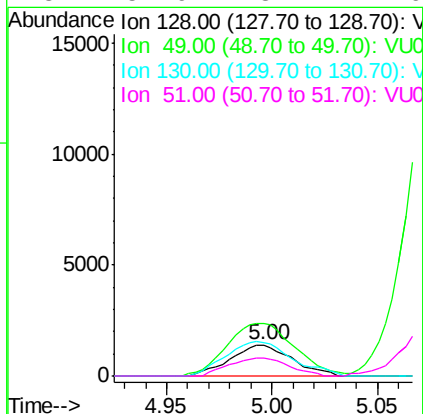
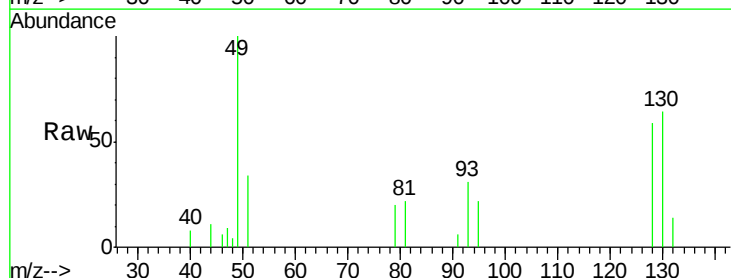
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

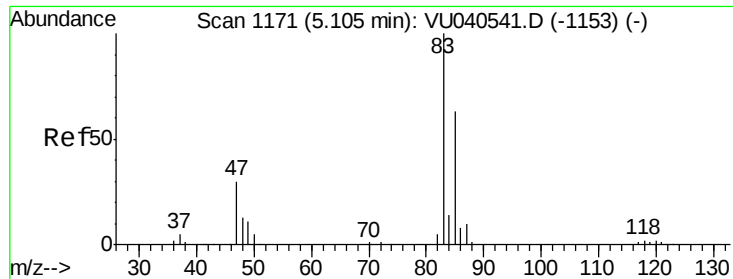
Tot Ion: 43 Resp: 11612
 Ion Ratio Lower Upper
 43 100
 72 12.0 11.9 35.9



#23
 Bromochloromethane
 Concen: 2.634 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 128 Resp: 2844
 Ion Ratio Lower Upper
 128 100
 49 170.6 133.1 247.3
 130 109.7 90.5 168.1
 51 57.9 48.4 72.6

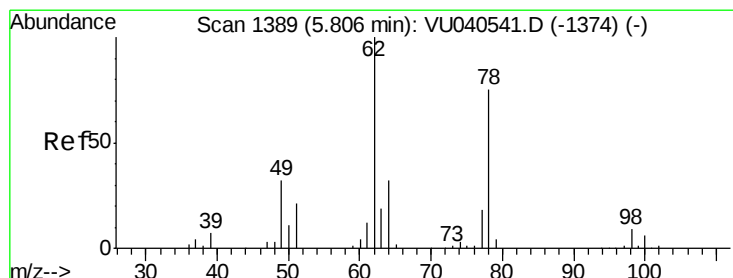
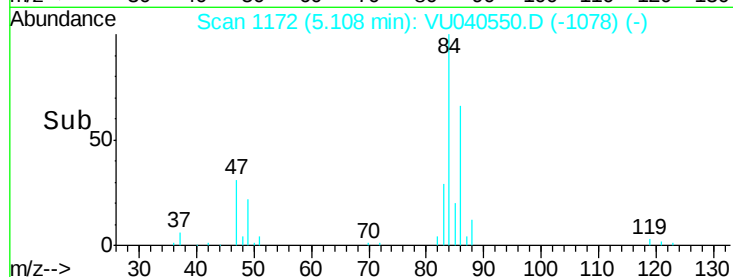
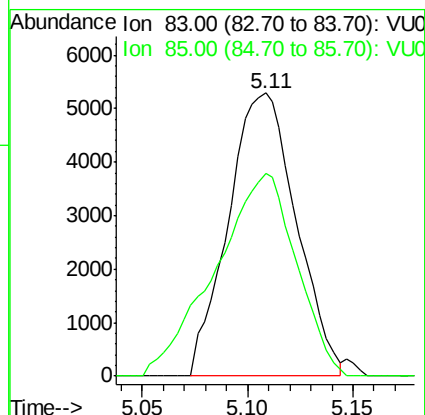
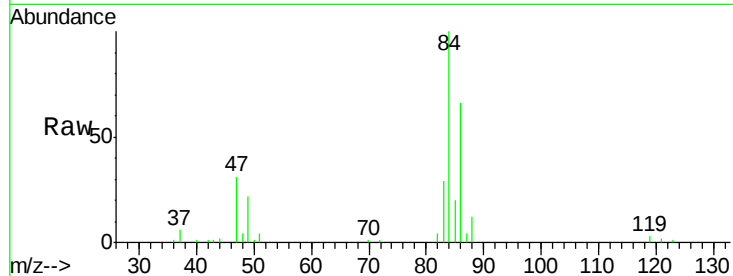




#25
Chloroform
Concen: 3.024 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

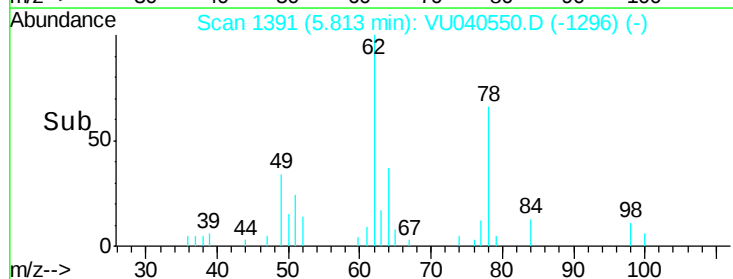
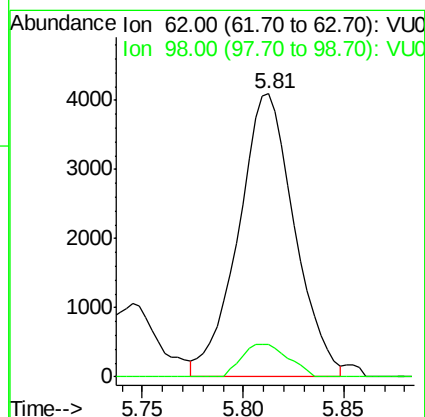
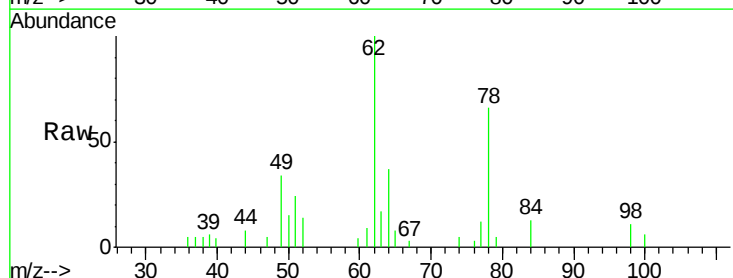
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-07

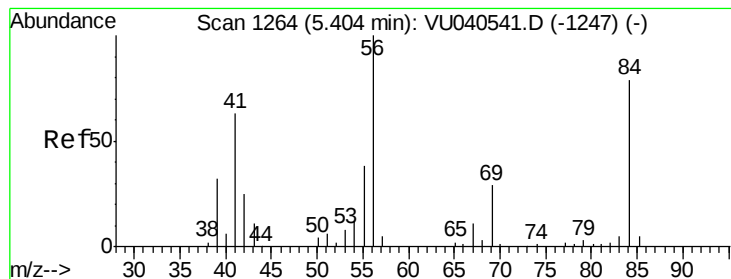
Tot Ion: 83 Resp: 11825
Ion Ratio Lower Upper
83 100
85 71.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.464 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Tgt Ion: 62 Resp: 7951
Ion Ratio Lower Upper
62 100
98 11.3 7.1 10.7#





#29

Cyclohexane

Concen: 2.148 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-07

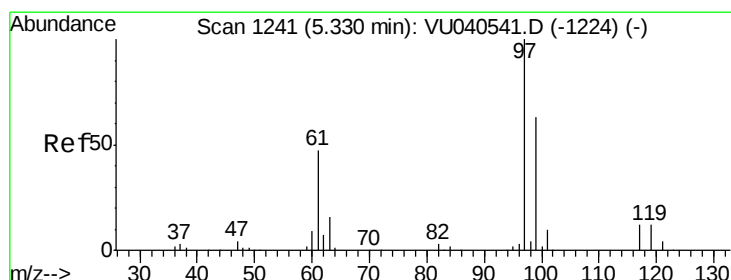
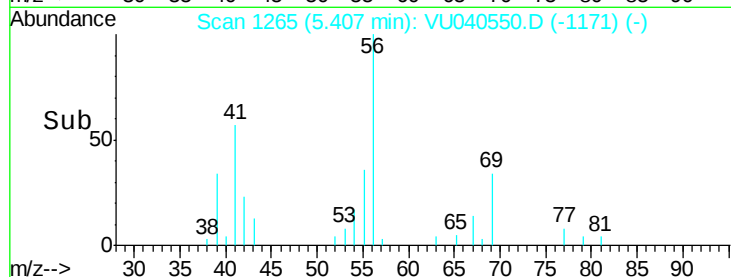
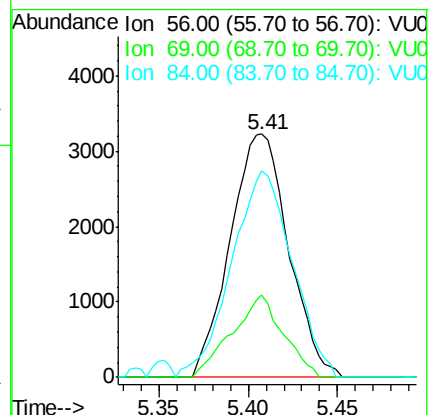
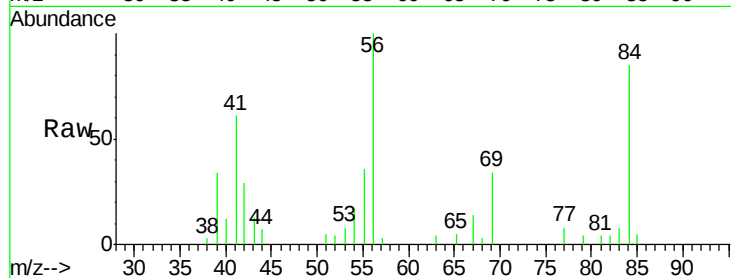
Tot Ion: 56 Resp: 7344

Ion Ratio Lower Upper

56 100

69 29.6 22.6 34.0

84 88.0 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 2.514 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

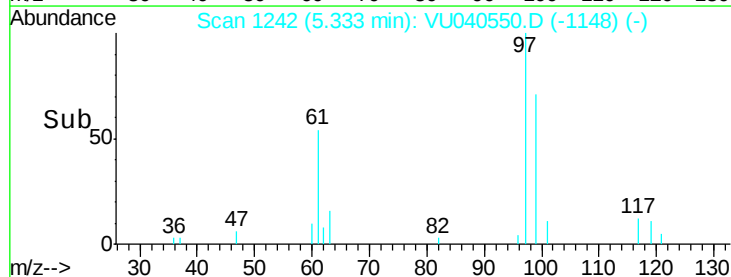
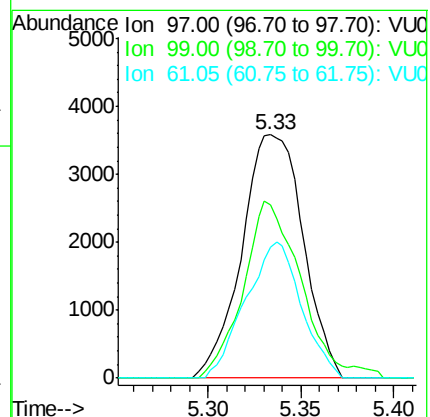
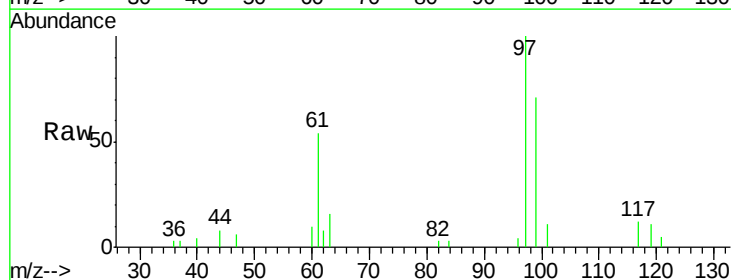
Tgt Ion: 97 Resp: 8246

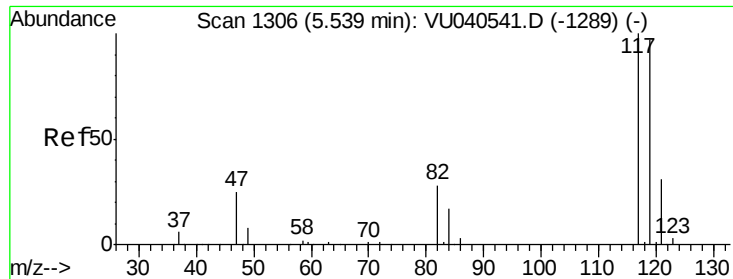
Ion Ratio Lower Upper

97 100

99 66.9 51.0 76.6

61 50.6 39.4 59.2





#31

Carbon tetrachloride

Concen: 2.533 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

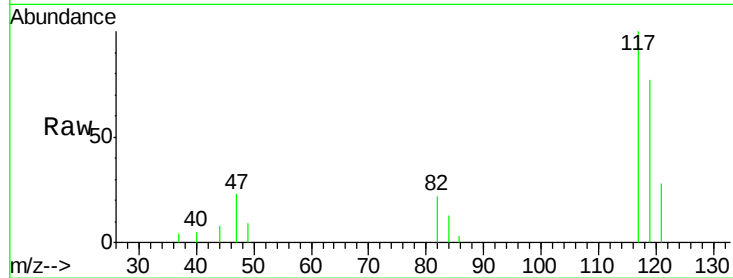
MDL-WATER-07

Tot Ion:117 Resp: 7183

Ion Ratio Lower Upper

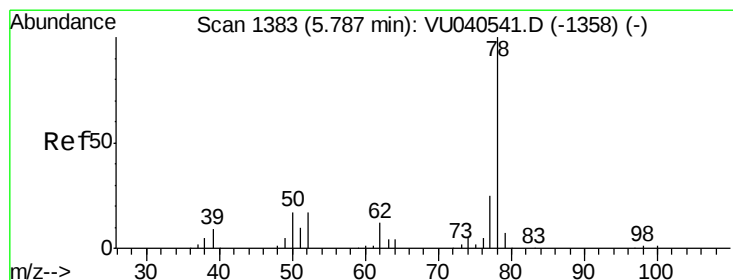
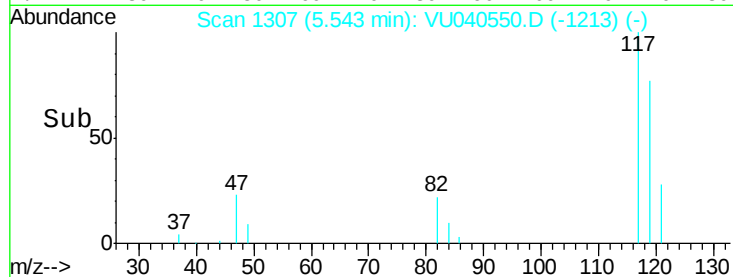
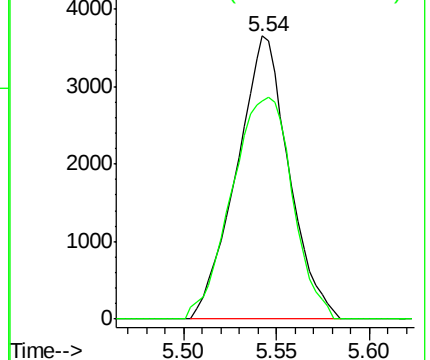
117 100

119 91.1 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.489 ug/L

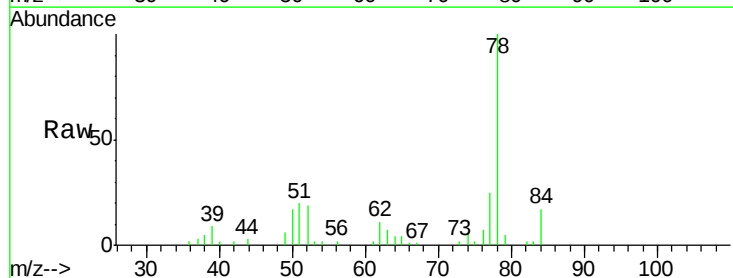
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

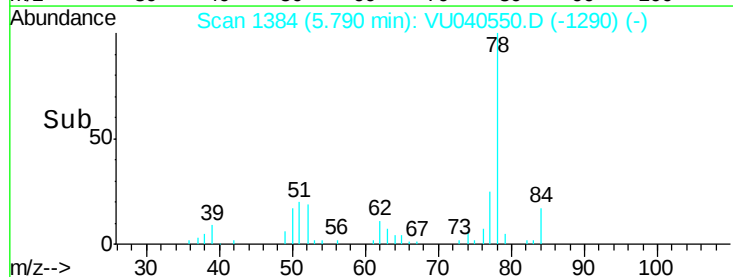
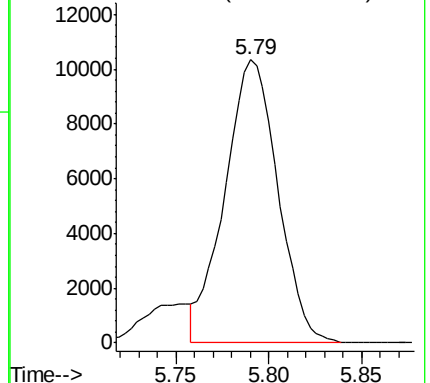
Lab File: VU040550.D

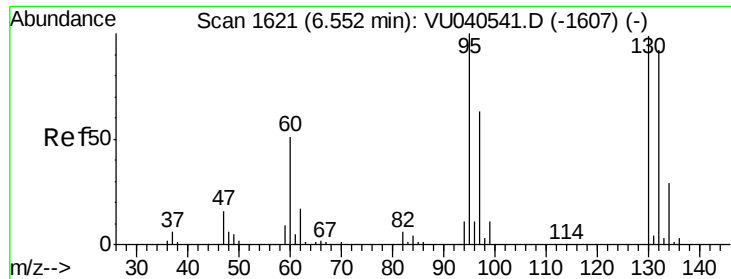
Acq: 07 Oct 2020 17:25

Tgt Ion: 78 Resp: 20543



Abundance Ion 78.00 (77.70 to 78.70): VU0

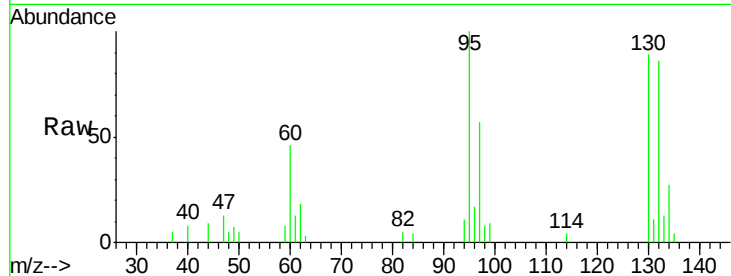




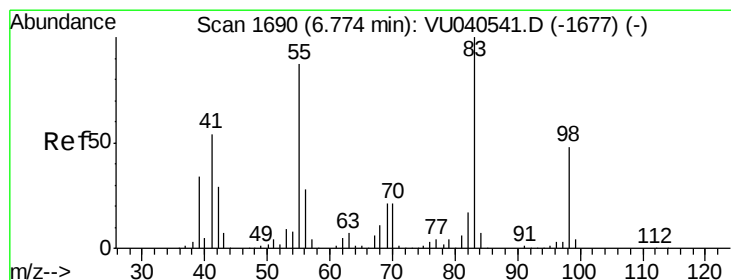
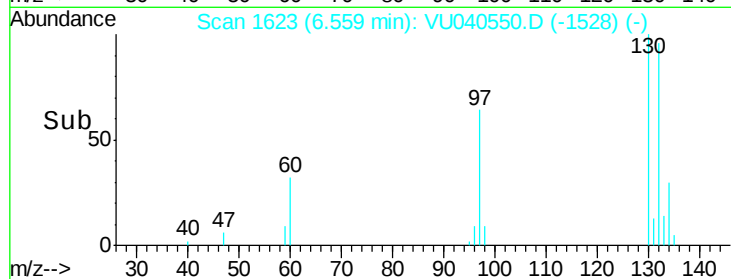
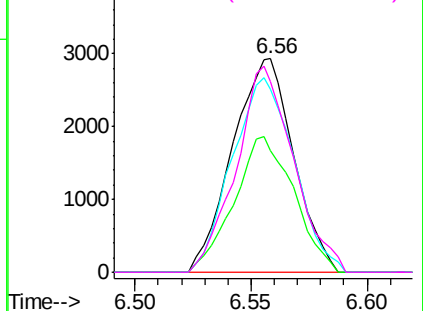
#34
 Trichloroethene
 Concen: 2.522 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 95 Resp: 5363
 Ion Ratio Lower Upper
 95 100
 97 57.2 44.3 82.3
 132 85.9 64.2 119.2
 130 89.3 67.3 125.1

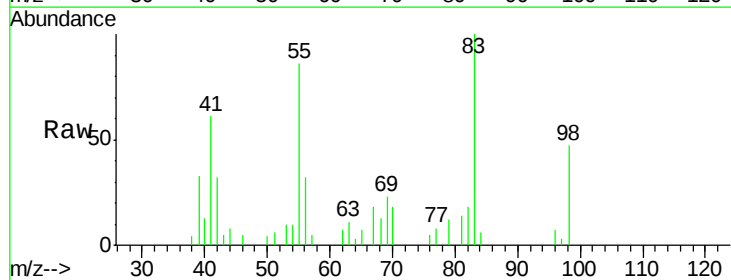


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

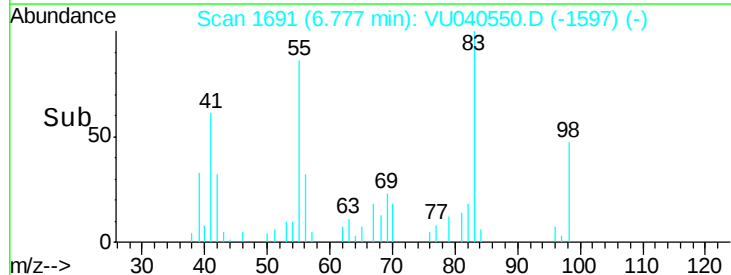
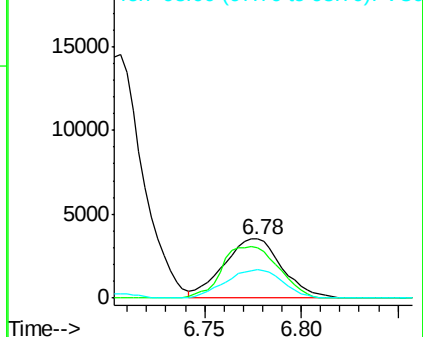


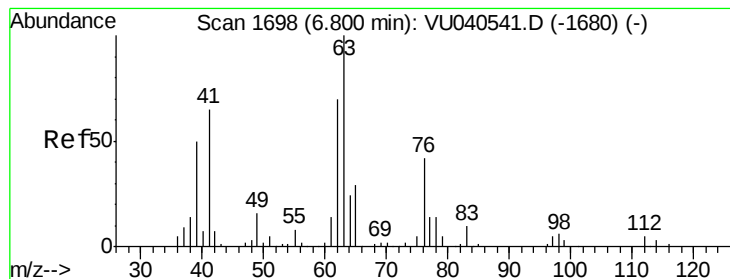
#35
 Methylcyclohexane
 Concen: 2.298 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 83 Resp: 7429
 Ion Ratio Lower Upper
 83 100
 55 84.8 69.8 104.8
 98 46.3 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 2.564 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

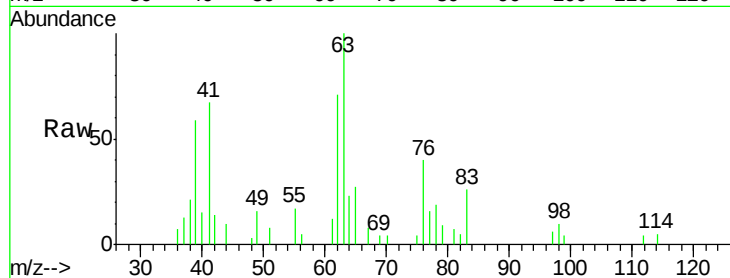
MDL-WATER-07

Tot Ion: 63 Resp: 5811

Ion Ratio Lower Upper

63 100

112 1.1 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VU040541.D (-1680) (-)

Ion 112.00 (111.70 to 112.70): VU040541.D (-1680) (-)

6.80

3000

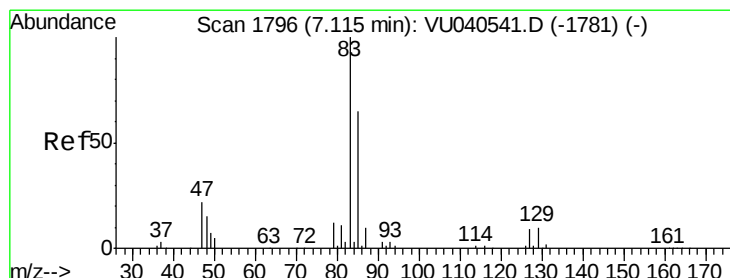
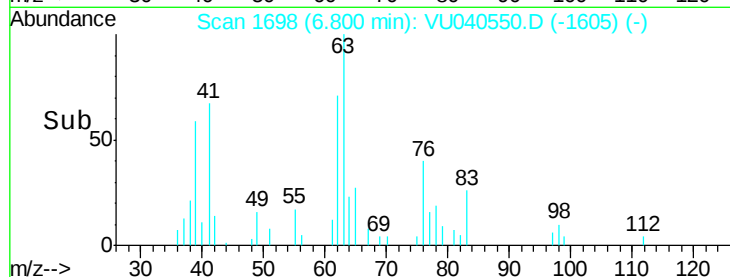
2000

1000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 2.495 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

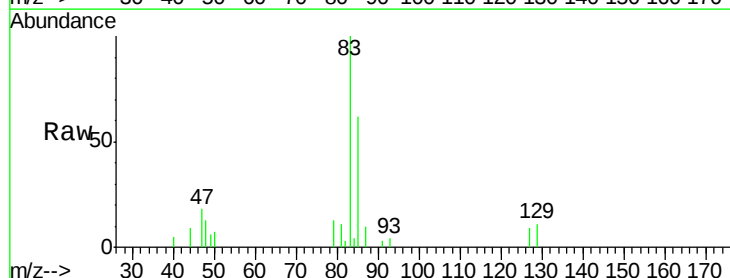
Tgt Ion: 83 Resp: 7346

Ion Ratio Lower Upper

83 100

85 62.4 45.2 84.0

127 9.0 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU040541.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040541.D (-1781) (-)

Ion 127.00 (126.70 to 127.70): VU040541.D (-1781) (-)

7.12

5000

4000

3000

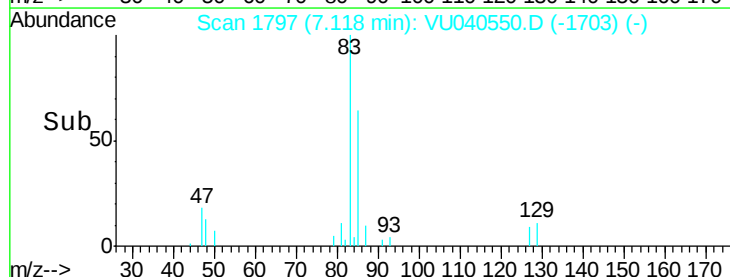
2000

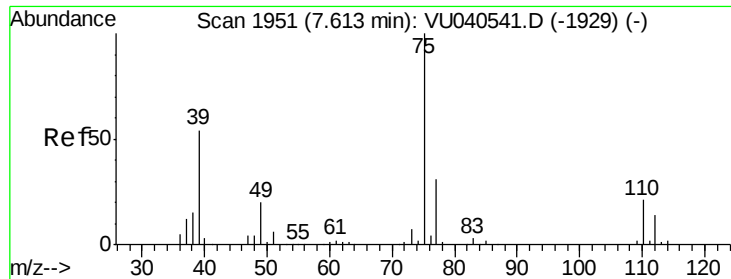
1000

0

7.05 7.10 7.15

Time-->

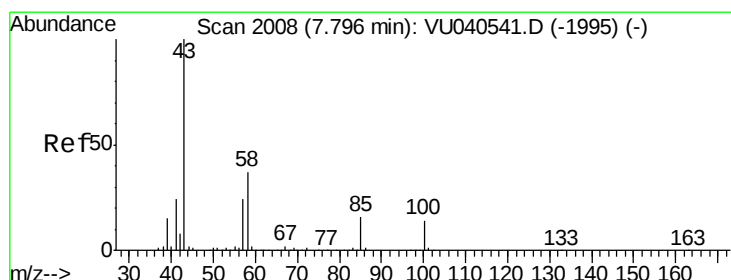
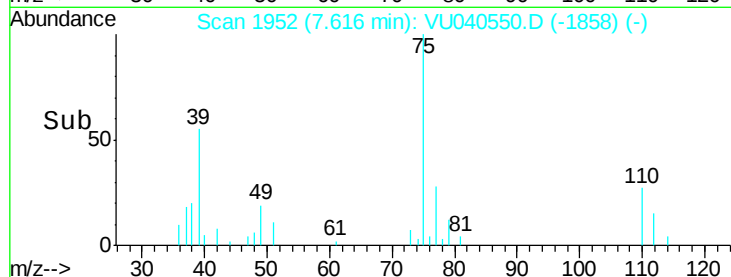
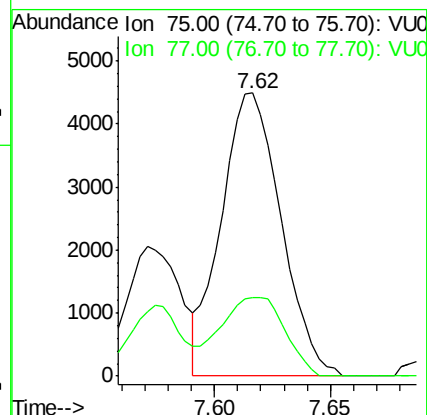
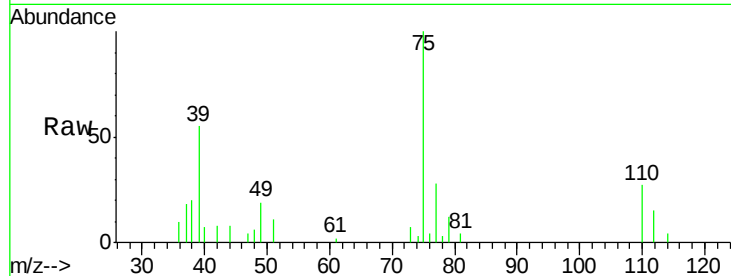




#39
 cis-1,3-Dichloropropene
 Concen: 2.422 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

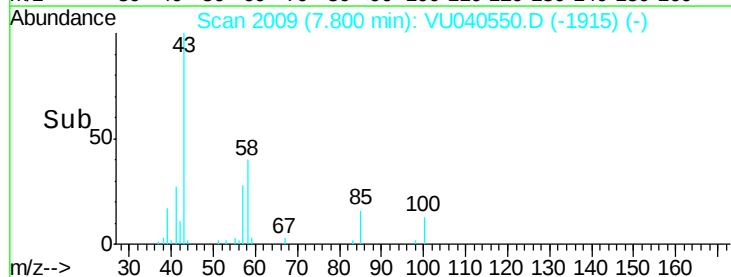
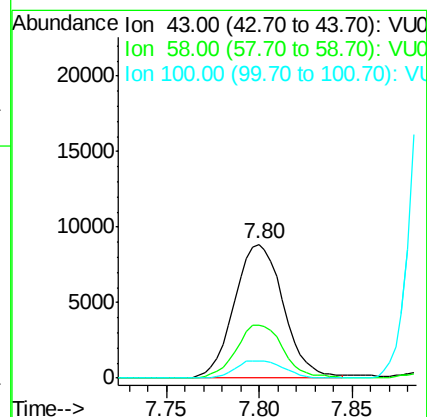
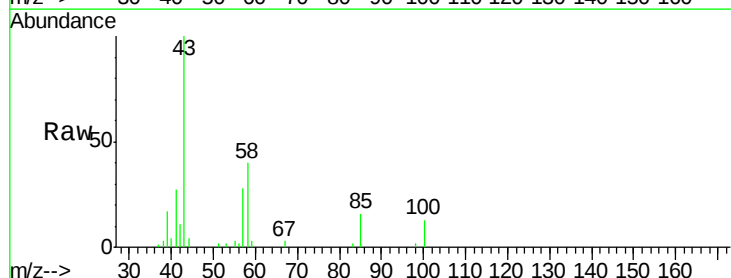
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

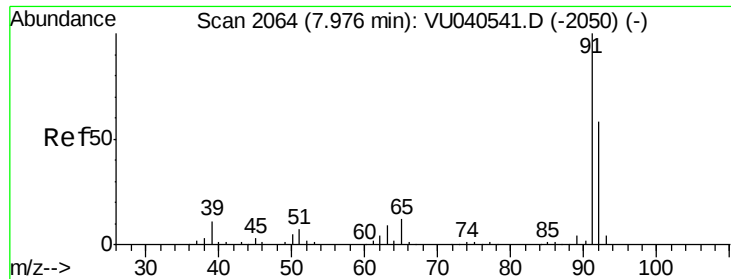
Tot Ion: 75 Resp: 8046
 Ion Ratio Lower Upper
 75 100
 77 27.9 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 4.555 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 43 Resp: 16293
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.7 44.5
 100 12.6 10.5 15.7





#42

Toluene

Concen: 2.378 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

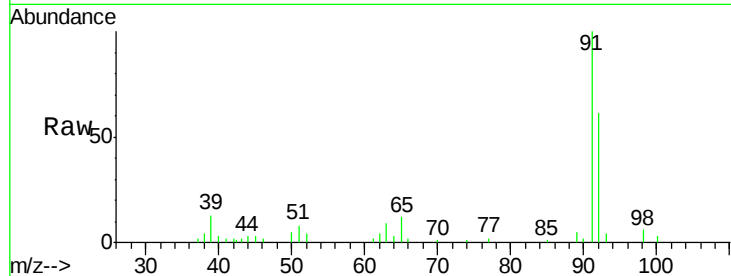
MDL-WATER-07

Tot Ion: 91 Resp: 20044

Ion Ratio Lower Upper

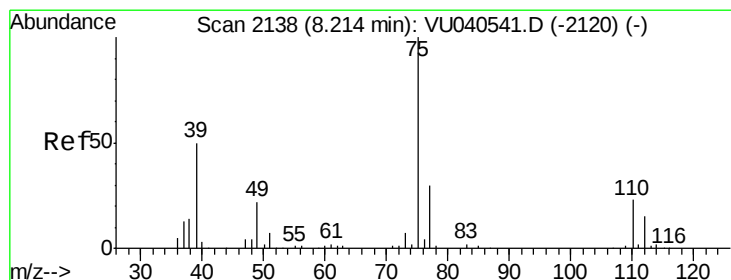
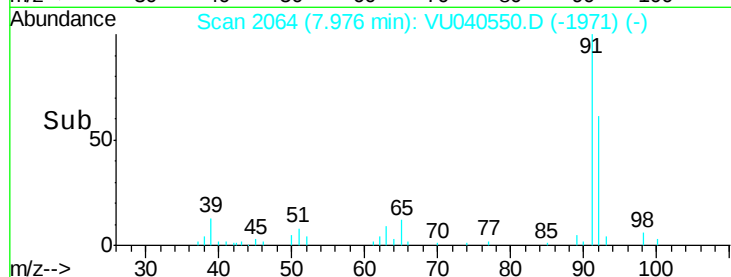
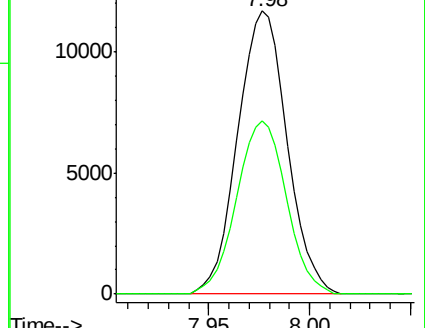
91 100

92 61.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040541.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU040541.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.403 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040550.D

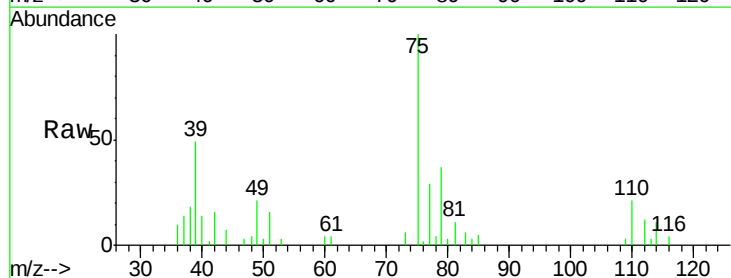
Acq: 07 Oct 2020 17:25

Tgt Ion: 75 Resp: 8039

Ion Ratio Lower Upper

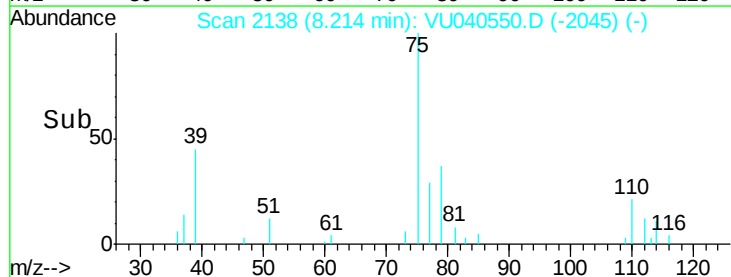
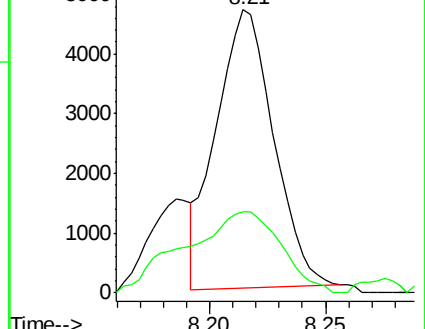
75 100

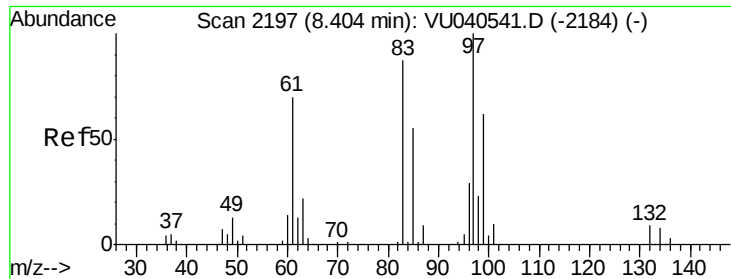
77 28.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040541.D (-2120) (-)

Ion 77.00 (76.70 to 77.70): VU040541.D (-2120) (-)

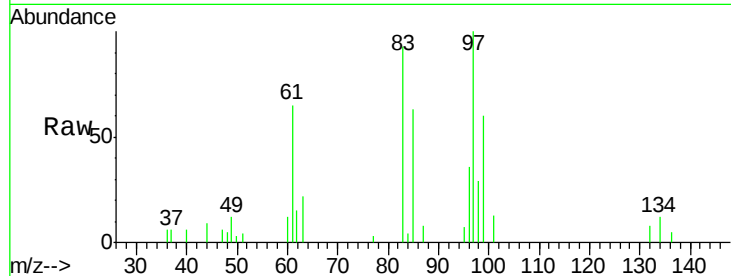




#45
1,1,2-Trichloroethane
Concen: 2.559 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-07

Tot Ion:	97.00	Resp:	5197
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.7	79.3
83	93.2	61.0	113.4
85	62.6	39.8	73.8

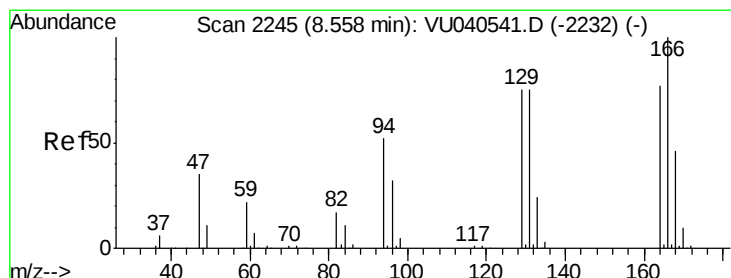
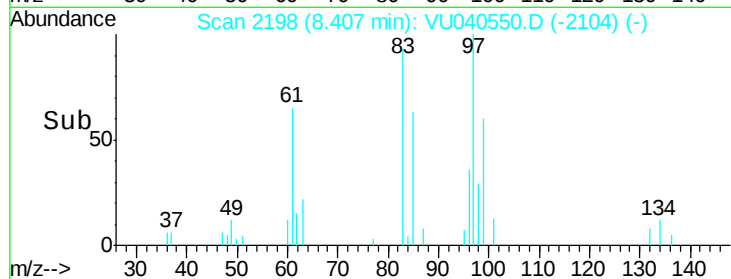
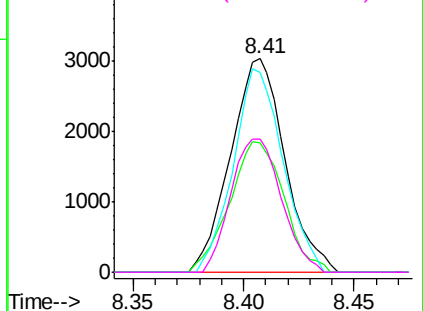


Abundance Ion 97.00 (96.70 to 97.70): VU040550.D (-2197) (-)

Ion 99.00 (98.70 to 99.70): VU040550.D (-2197) (-)

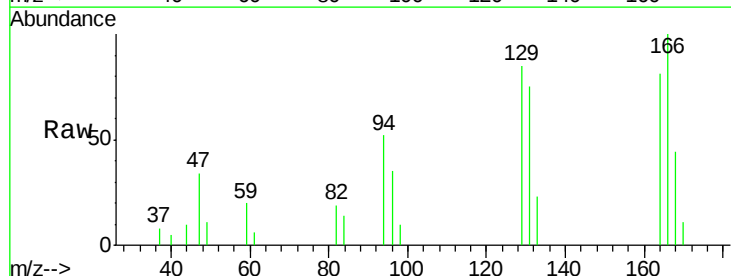
Ion 83.00 (82.70 to 83.70): VU040550.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU040550.D (-2197) (-)



#46
Tetrachloroethene
Concen: 2.495 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Tgt Ion:	164.00	Resp:	3833
Ion	Ratio	Lower	Upper
164	100		
129	104.5	67.4	125.2
131	91.7	63.8	118.6
166	122.8	88.7	164.7

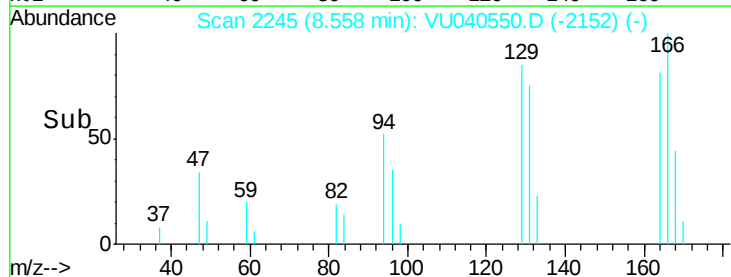
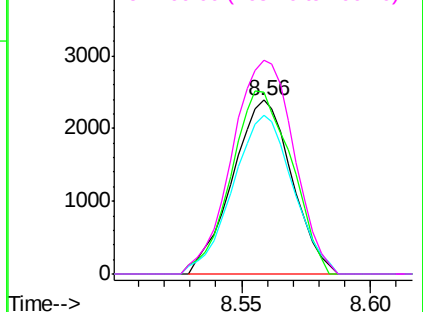


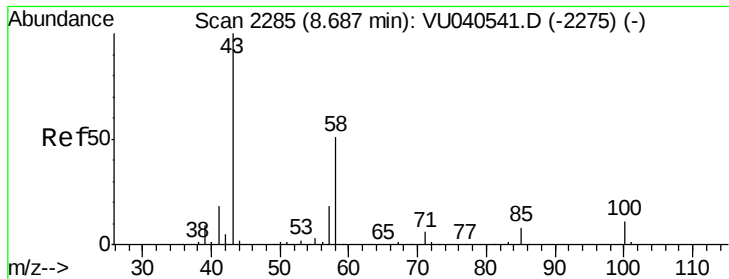
Abundance Ion 164.00 (163.70 to 164.70): VU040550.D (-2245) (-)

Ion 129.00 (128.70 to 129.70): VU040550.D (-2245) (-)

Ion 131.00 (130.70 to 131.70): VU040550.D (-2245) (-)

Ion 166.00 (165.70 to 166.70): VU040550.D (-2245) (-)

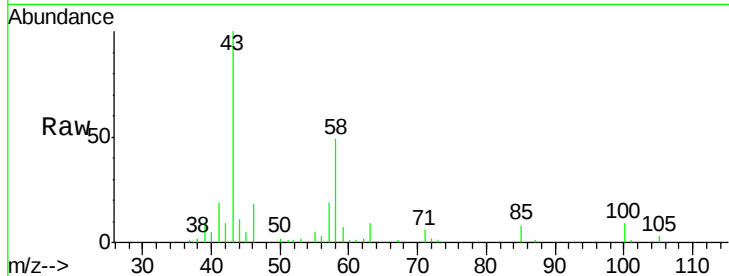




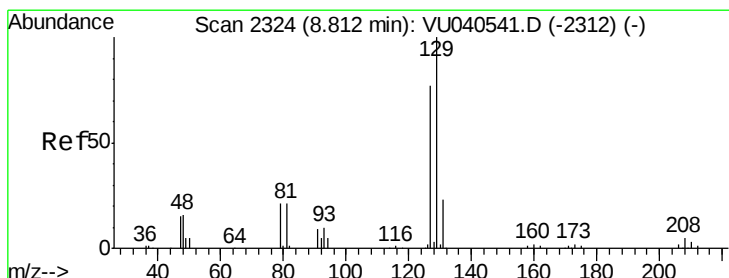
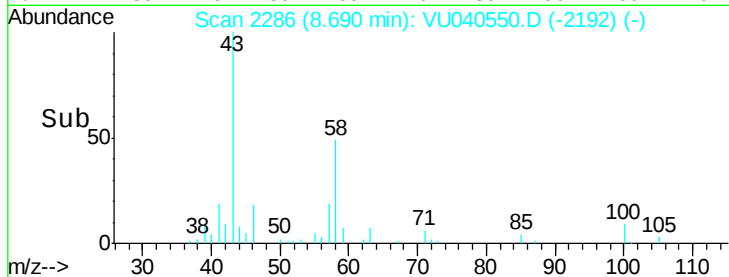
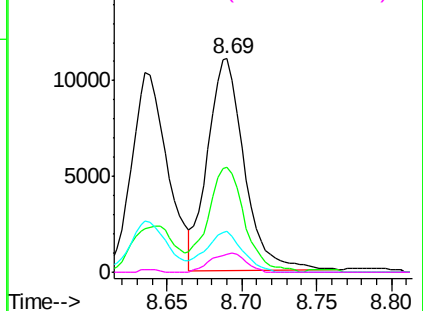
#48
2-Hexanone
Concen: 6.488 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-07

Tot Ion: 43 Resp: 18862
Ion Ratio Lower Upper
43 100
58 50.5 40.6 60.8
57 20.0 14.3 21.5
100 8.7 8.5 12.7

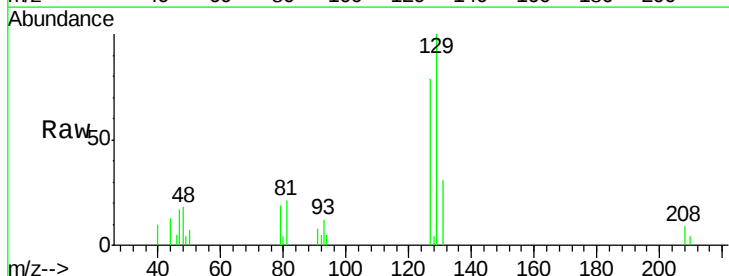


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

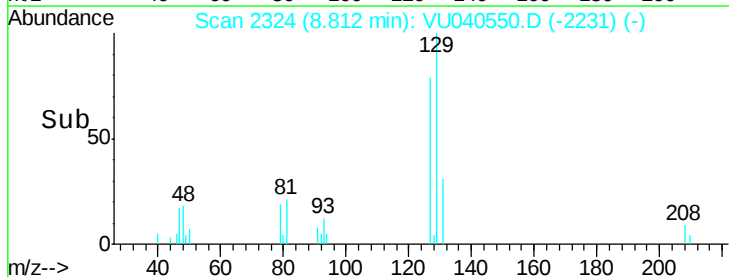
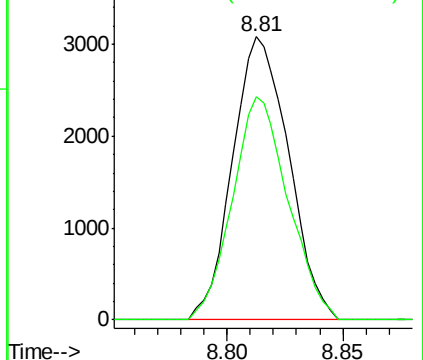


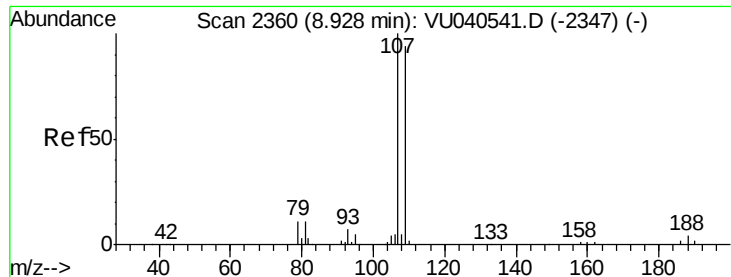
#49
Dibromochloromethane
Concen: 2.333 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Tgt Ion: 129 Resp: 5172
Ion Ratio Lower Upper
129 100
127 79.1 54.9 102.1



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

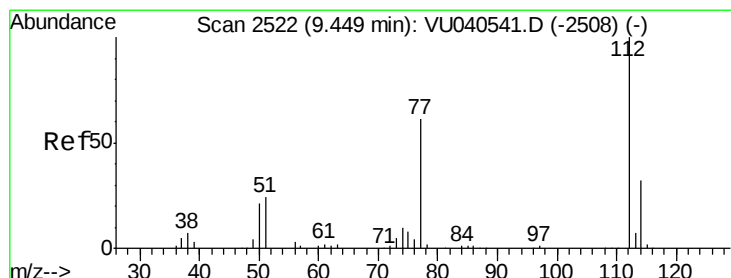
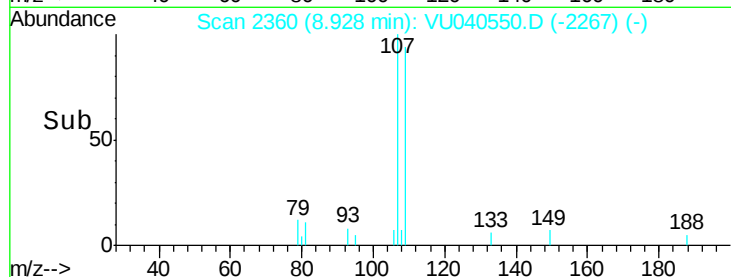
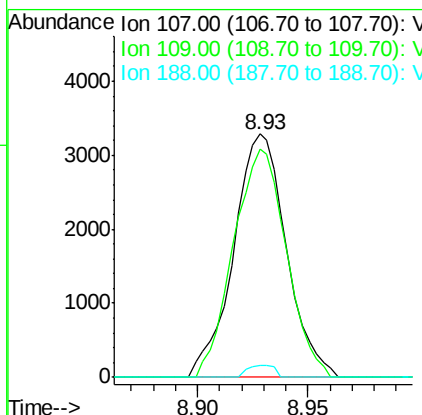
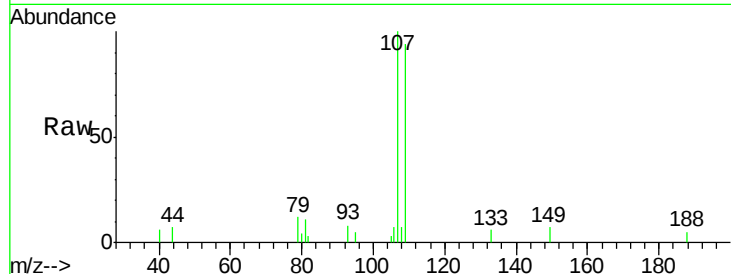




#50
1,2-Dibromoethane
Concen: 2.542 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

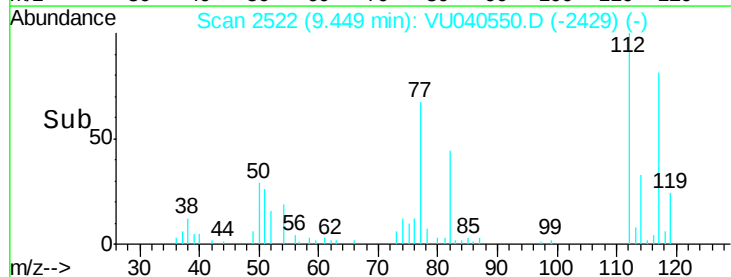
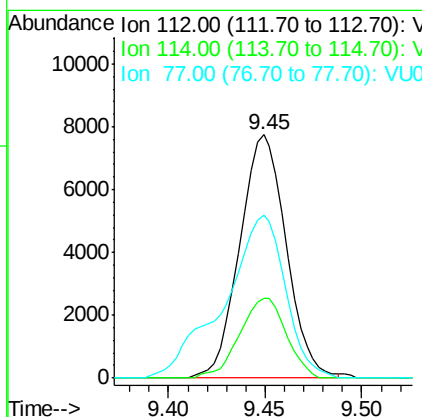
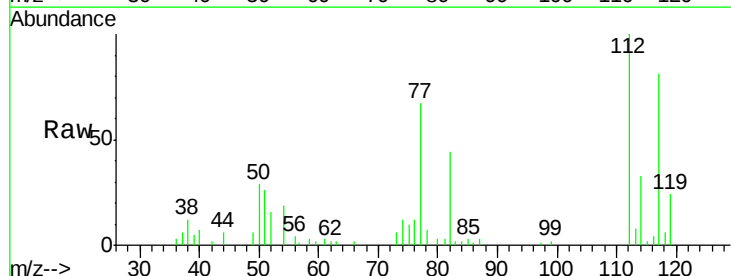
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-07

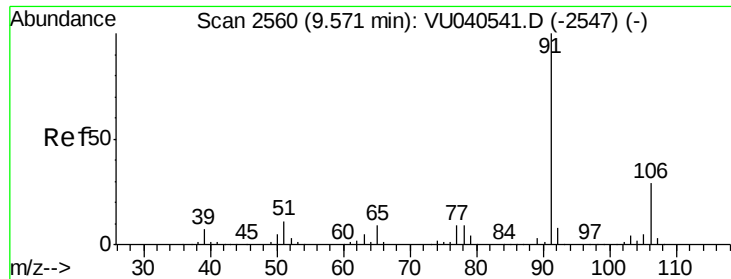
Tot Ion:107 Resp: 5473
Ion Ratio Lower Upper
107 100
109 93.9 67.8 125.8
188 5.0 2.8 4.2#



#51
Chlorobenzene
Concen: 2.340 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Tgt Ion:112 Resp: 12937
Ion Ratio Lower Upper
112 100
114 32.8 22.1 41.1
77 67.0 50.4 75.6





#52

Ethylbenzene

Concen: 2.214 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

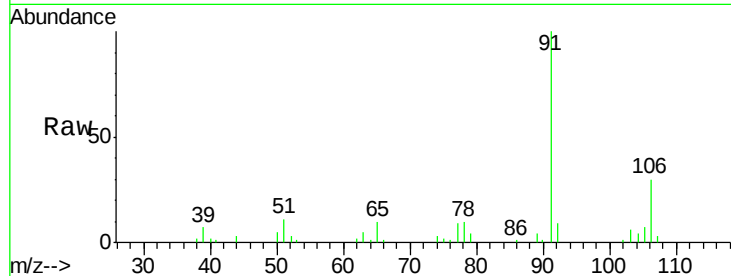
MDL-WATER-07

Tot Ion: 91 Resp: 20707

Ion Ratio Lower Upper

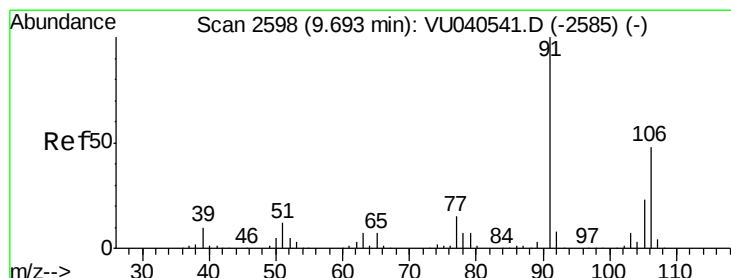
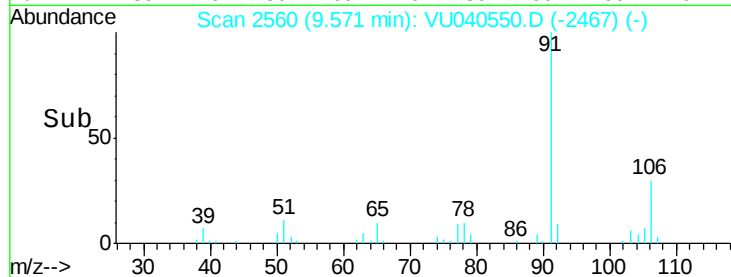
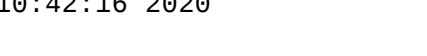
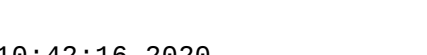
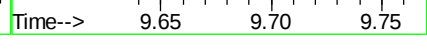
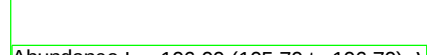
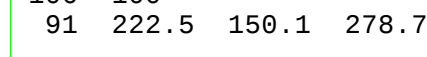
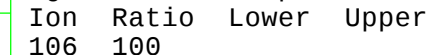
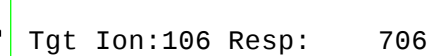
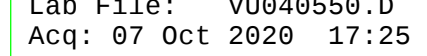
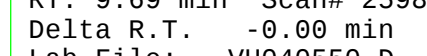
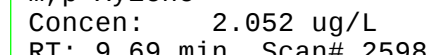
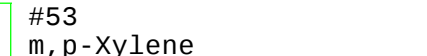
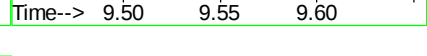
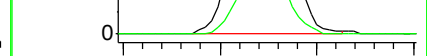
91 100

106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040541.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU040550.D (-2467) (-)



#53

m,p-Xylene

Concen: 2.052 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040550.D

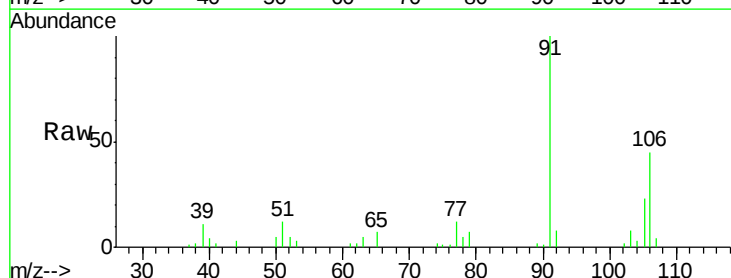
Acq: 07 Oct 2020 17:25

Tgt Ion: 106 Resp: 7069

Ion Ratio Lower Upper

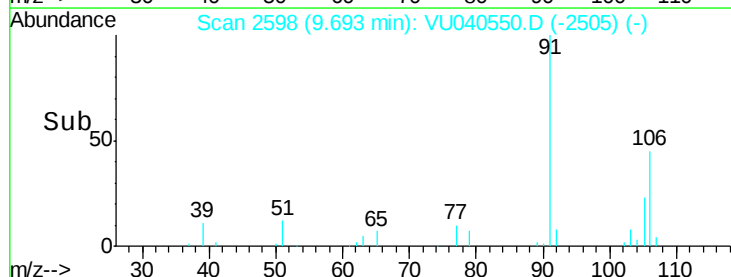
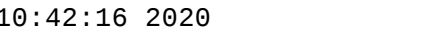
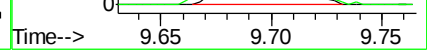
106 100

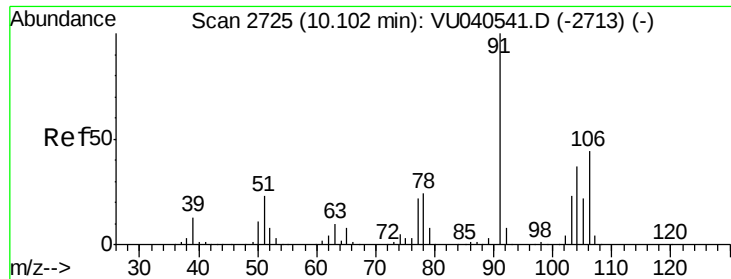
91 222.5 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040550.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VU040541.D (-2585) (-)

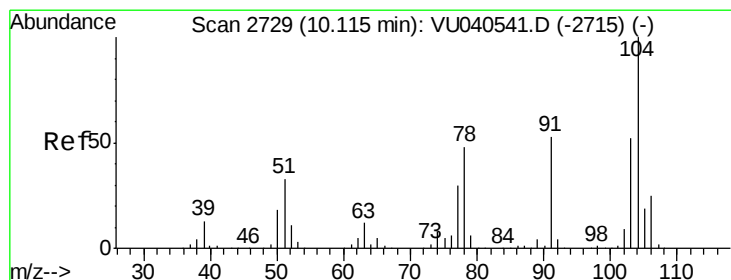
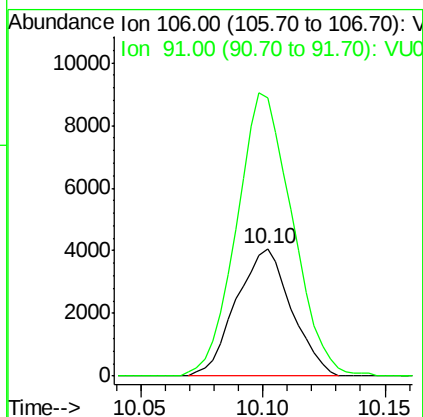
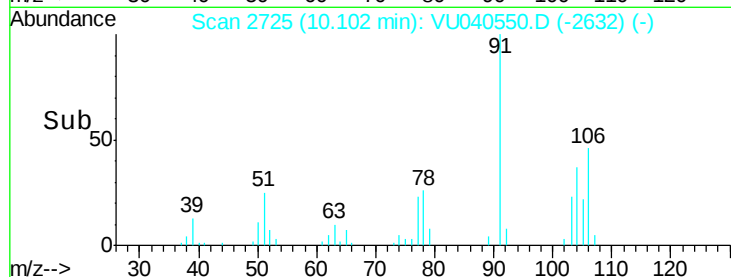
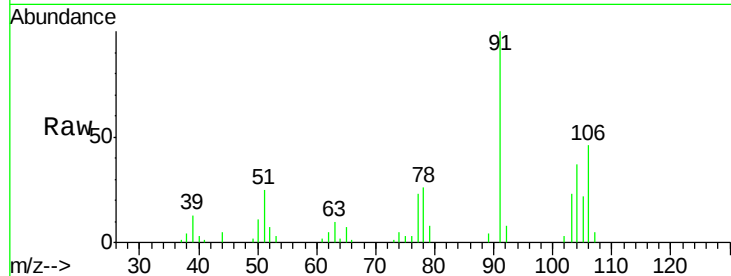




#54
o-xylene
Concen: 1.946 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

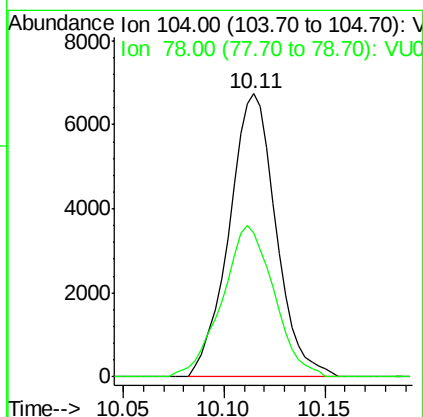
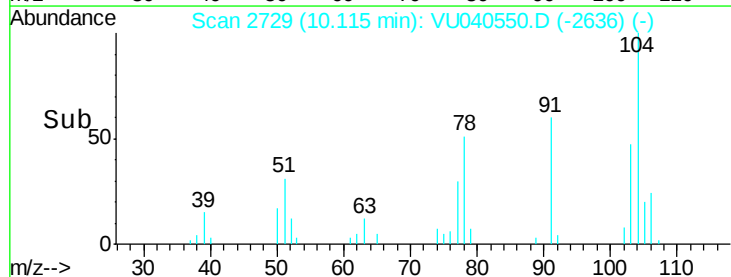
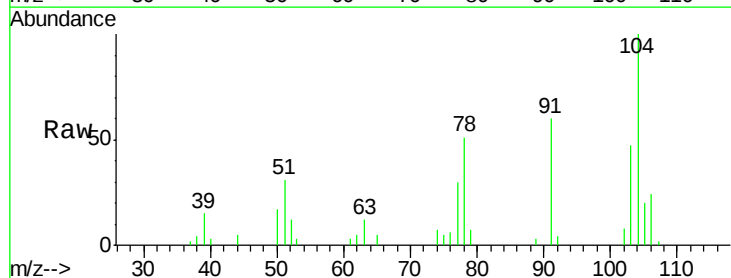
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-07

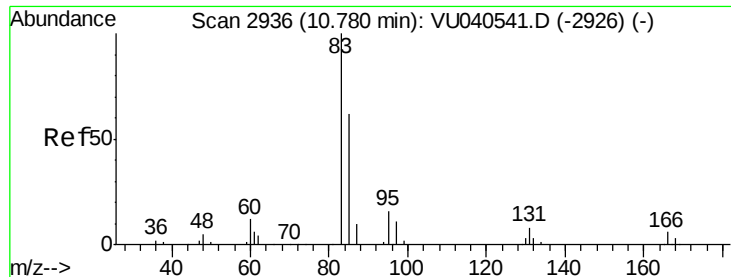
Tot Ion:106 Resp: 6377
Ion Ratio Lower Upper
106 100
91 218.5 155.6 289.0



#55
Styrene
Concen: 1.899 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040550.D
Acq: 07 Oct 2020 17:25

Tgt Ion:104 Resp: 10964
Ion Ratio Lower Upper
104 100
78 50.6 35.2 65.4

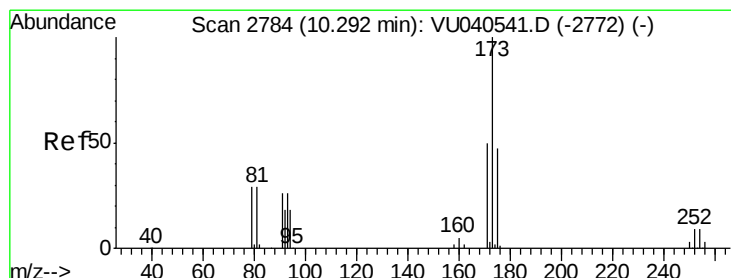
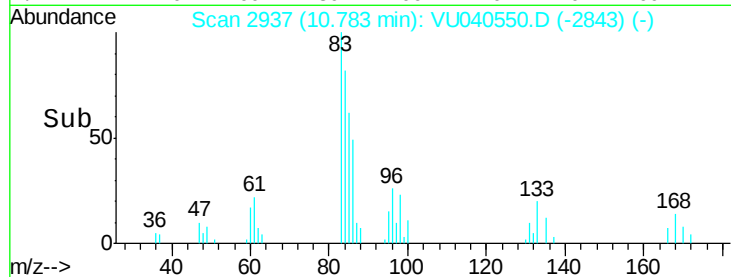
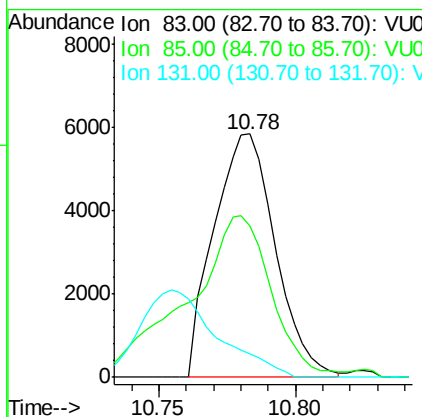
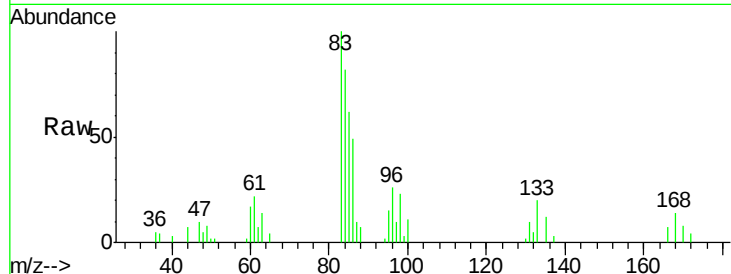




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.547 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

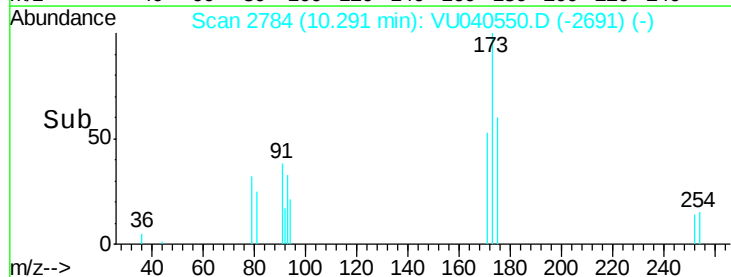
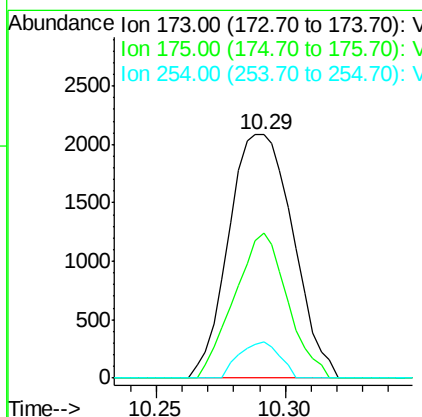
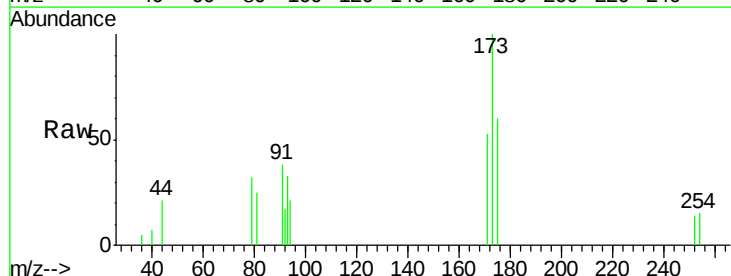
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

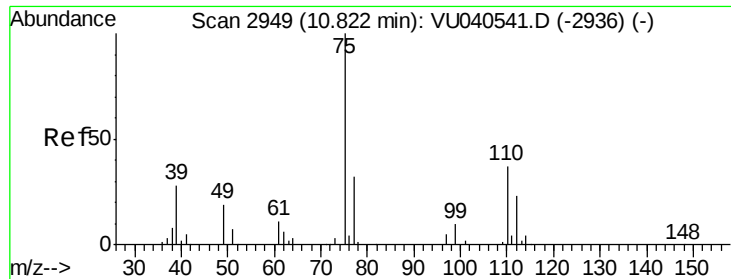
Tot Ion: 83 Resp: 9148
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.2 82.2
 131 9.5 7.1 10.7



#59
 Bromoform
 Concen: 2.410 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 173 Resp: 3627
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.5 57.7
 254 9.2 7.0 10.6

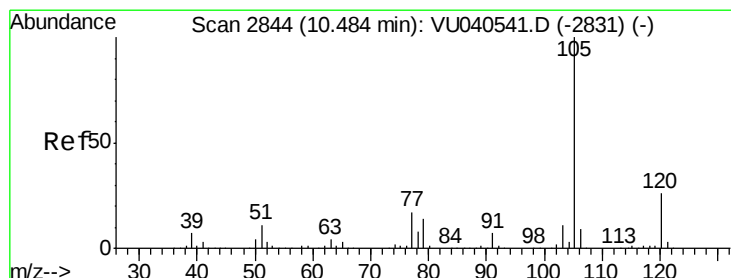
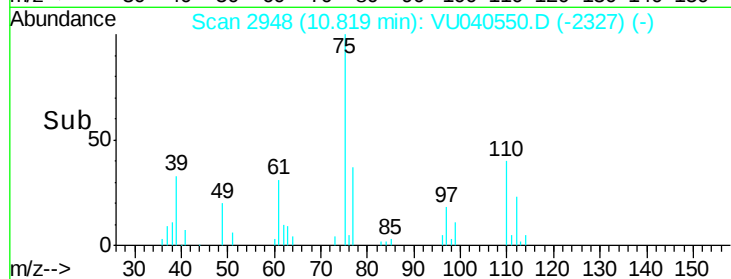
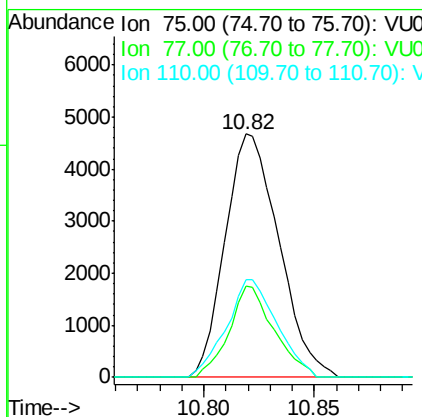
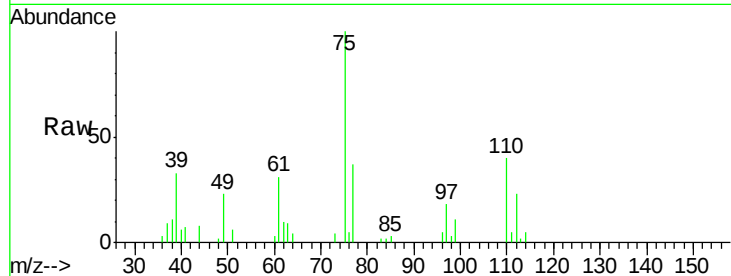




#60
 1,2,3-Trichloropropane
 Concen: 2.834 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

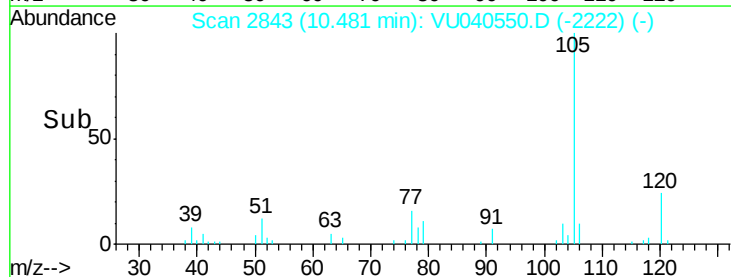
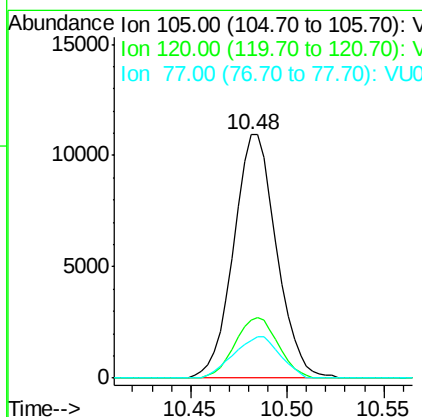
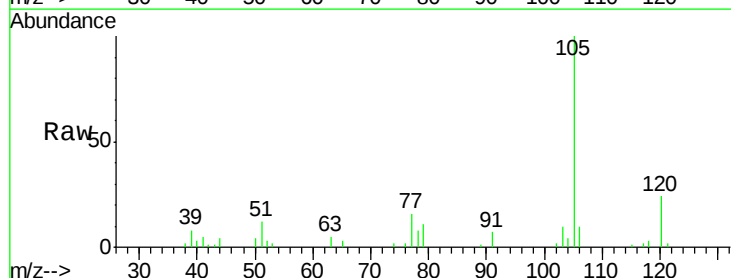
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

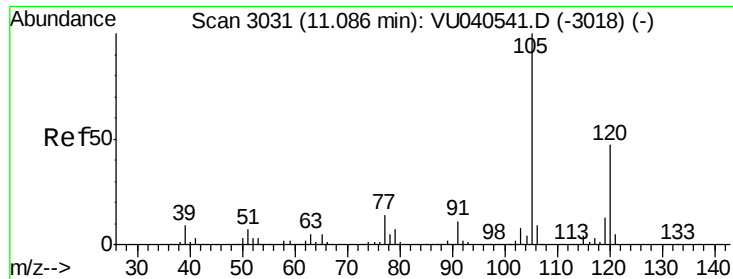
Tot Ion: 75 Resp: 7904
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6
 110 37.8 30.1 45.1



#61
 Isopropylbenzene
 Concen: 2.051 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 105 Resp: 16914
 Ion Ratio Lower Upper
 105 100
 120 24.8 20.7 31.1
 77 18.2 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 1.863 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

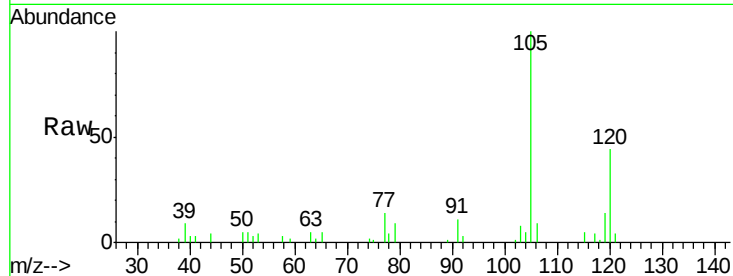
MDL-WATER-07

Tot Ion:105 Resp: 12625

Ion Ratio Lower Upper

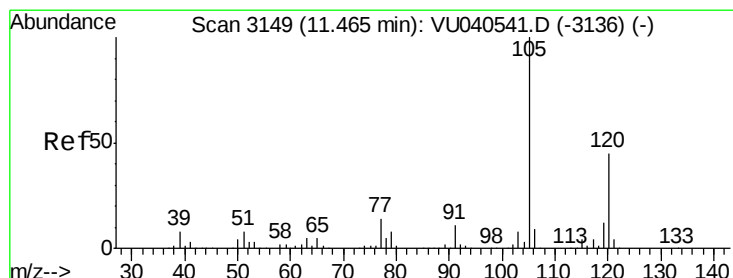
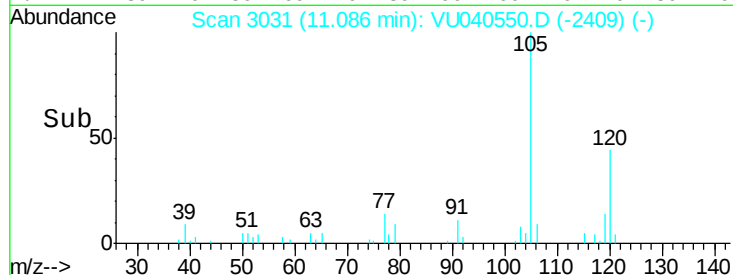
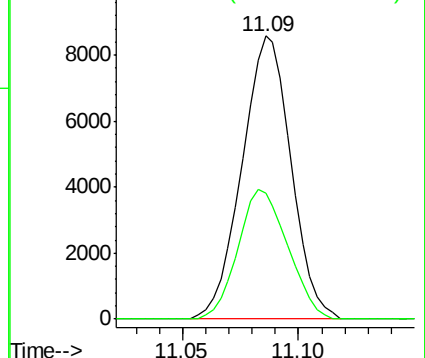
105 100

120 46.3 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.783 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU040550.D

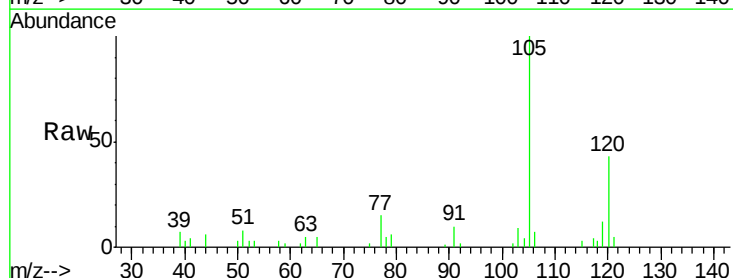
Acq: 07 Oct 2020 17:25

Tgt Ion:105 Resp: 12255

Ion Ratio Lower Upper

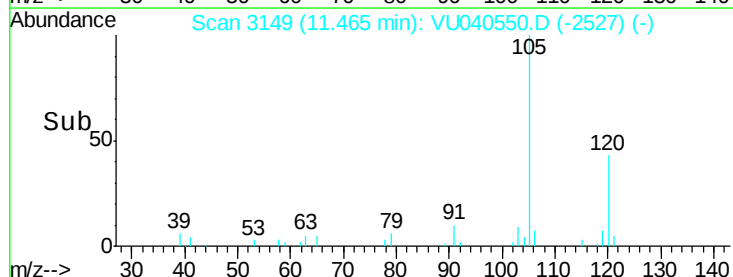
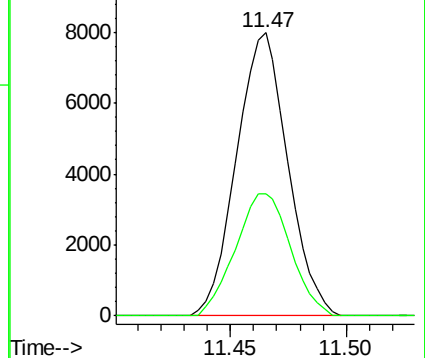
105 100

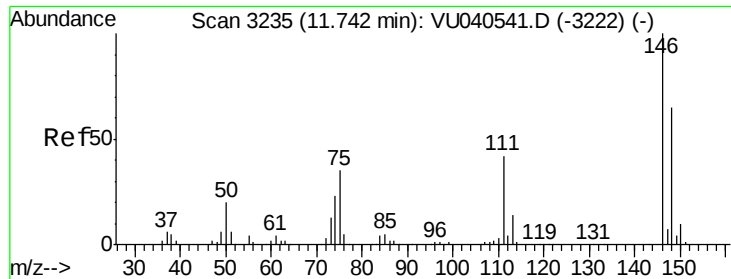
120 46.3 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

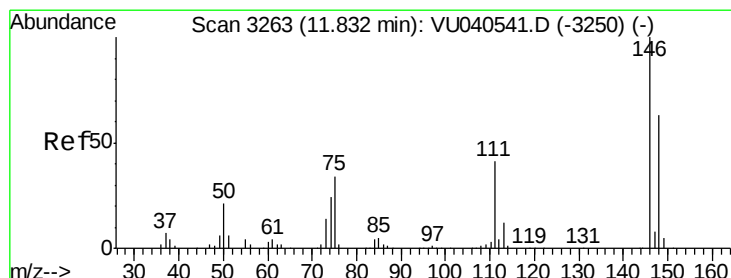
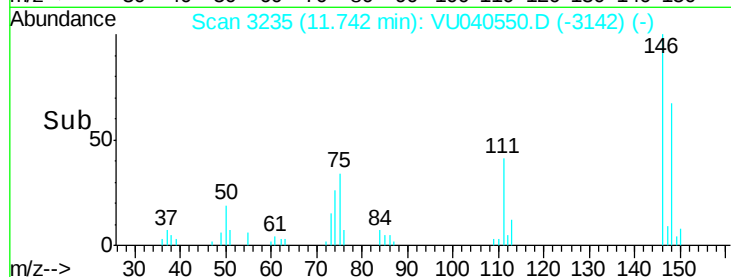
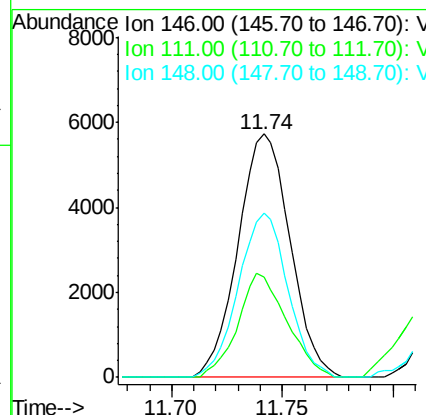
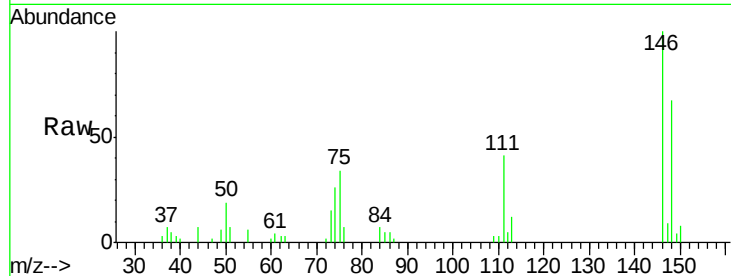




#64
 1,3-Dichlorobenzene
 Concen: 2.334 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

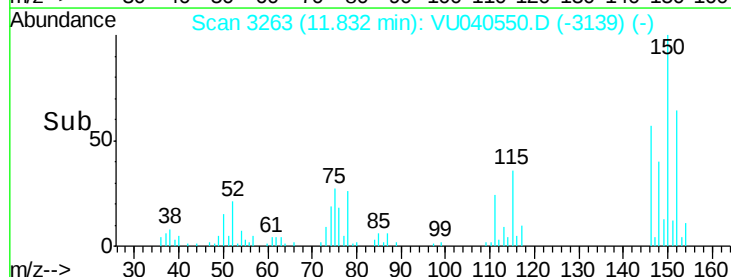
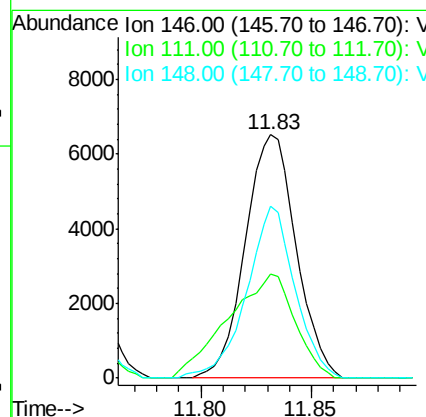
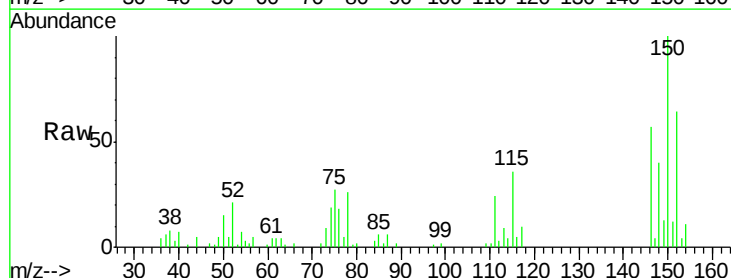
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

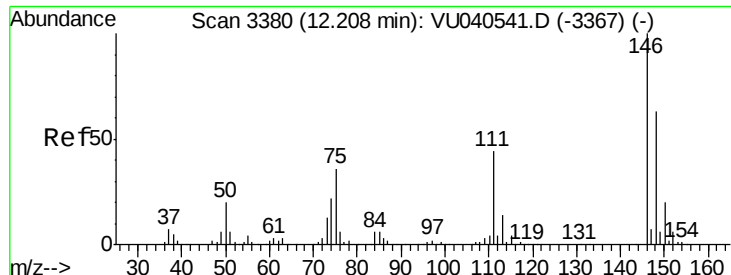
Tot Ion:146 Resp: 9383
 Ion Ratio Lower Upper
 146 100
 111 41.1 30.8 57.2
 148 67.5 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 2.466 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion:146 Resp: 10413
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.7 53.3
 148 70.4 44.1 81.9

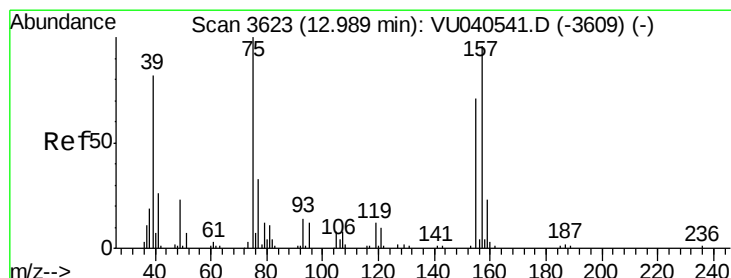
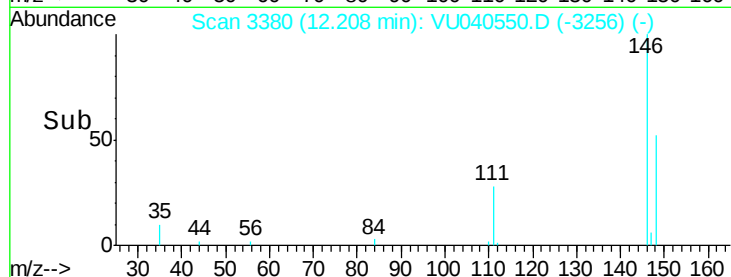
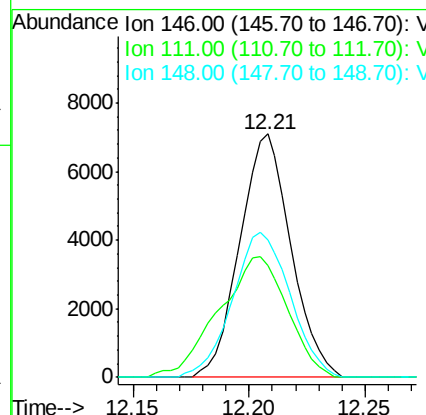
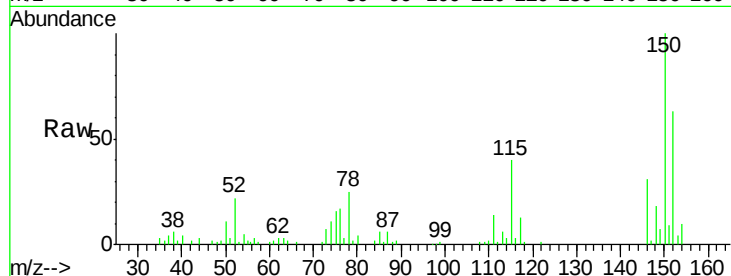




#67
 1,2-Dichlorobenzene
 Concen: 2.703 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

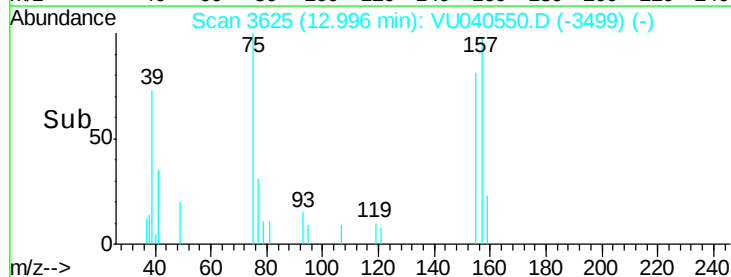
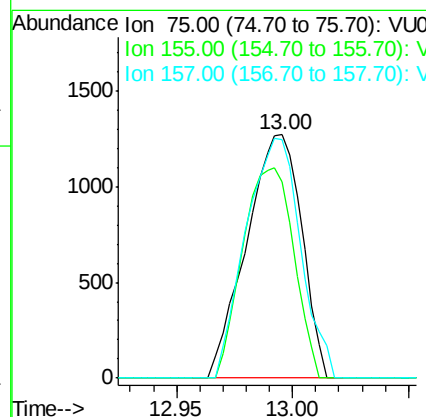
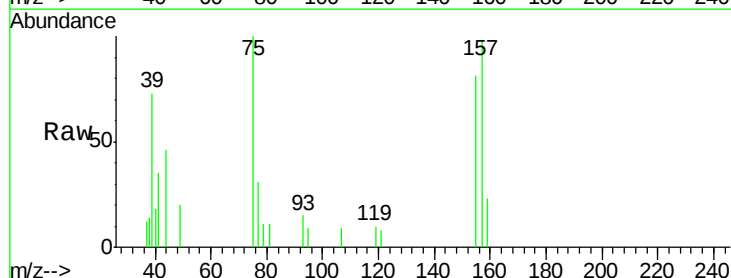
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

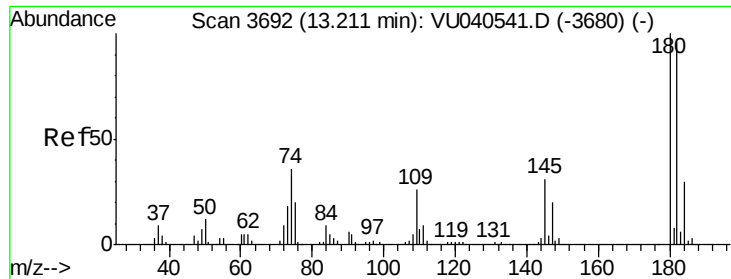
Tot Ion:146 Resp: 10886
 Ion Ratio Lower Upper
 146 100
 111 46.1 35.7 53.5
 148 56.6 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.681 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. 0.01 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion: 75 Resp: 2101
 Ion Ratio Lower Upper
 75 100
 155 80.7 61.0 91.6
 157 98.0 73.5 110.3

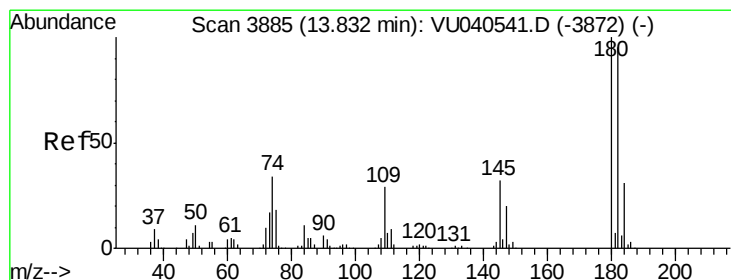
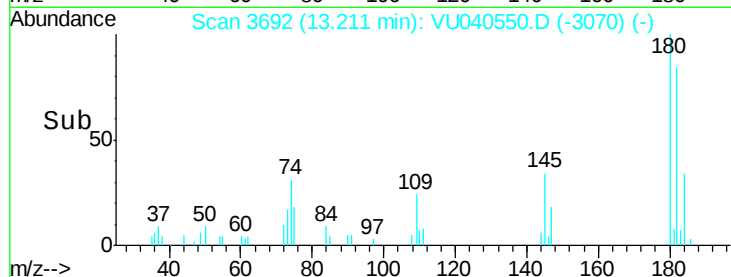
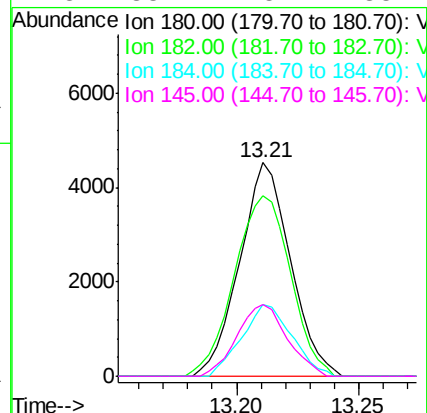
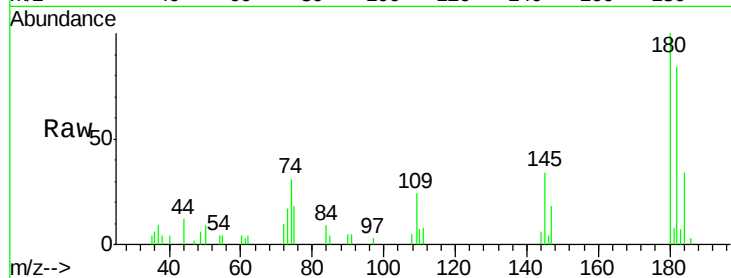




#69
 1,3,5-Trichlorobenzene
 Concen: 2.471 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

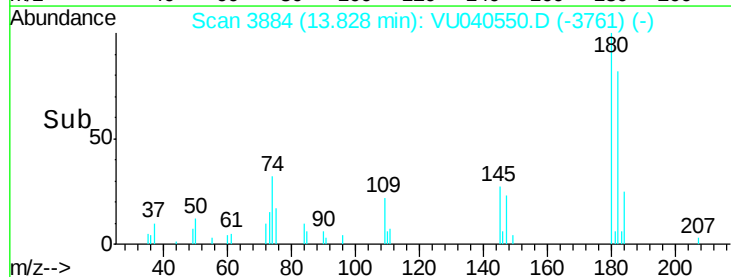
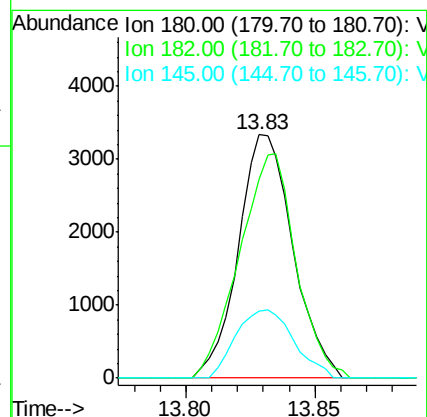
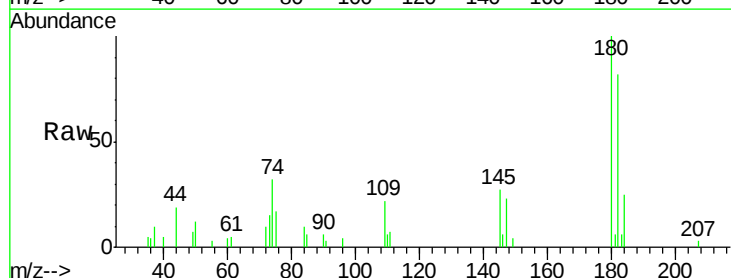
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-07

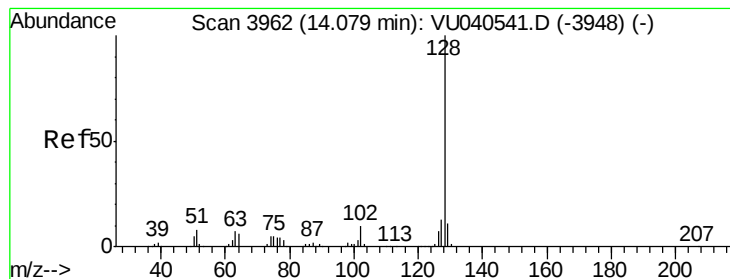
Tot Ion:180	Resp:	6511	
Ion Ratio	Lower	Upper	
180 100			
182 93.7	76.9	115.3	
184 33.2	24.2	36.2	
145 33.2	25.4	38.2	



#70
 1,2,4-trichlorobenzene
 Concen: 2.152 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040550.D
 Acq: 07 Oct 2020 17:25

Tgt Ion:180	Resp:	4913
Ion Ratio	Lower	Upper
180 100		
182 95.4	75.0	112.6
145 29.6	25.9	38.9





#71

Naphthalene

Concen: 1.439 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-07

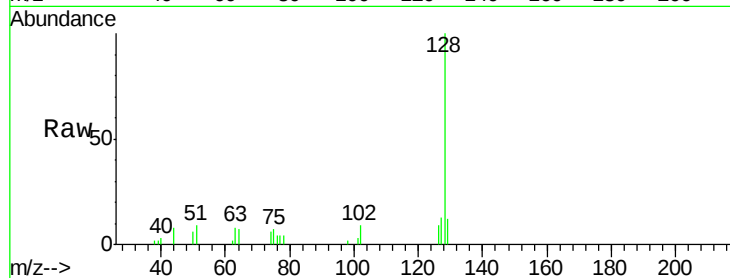
Tot Ion:128 Resp: 10156

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

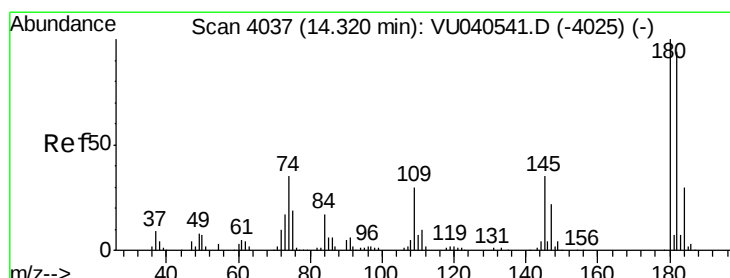
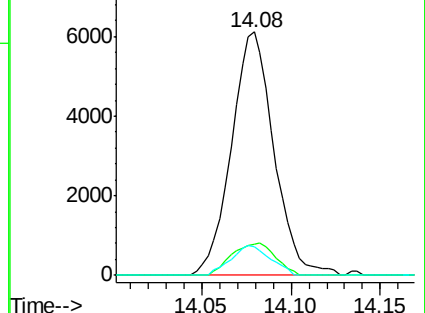
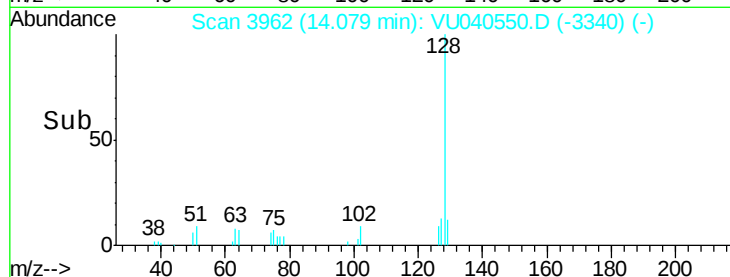
129 11.4 8.6 13.0



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



#72

1,2,3-Trichlorobenzene

Concen: 1.820 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040550.D

Acq: 07 Oct 2020 17:25

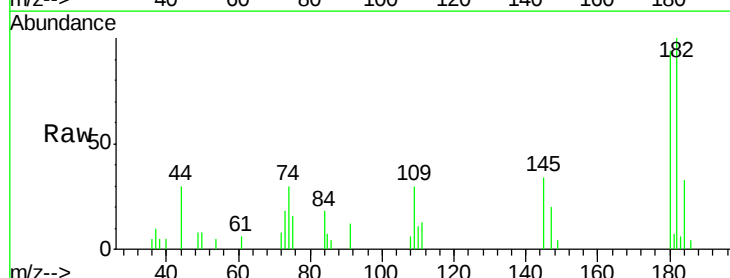
Tgt Ion:180 Resp: 4124

Ion Ratio Lower Upper

180 100

182 103.6 77.7 116.5

145 37.7 28.4 42.6



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

