

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040285.D
 Acq On : 24 Sep 2020 21:16
 Operator : SY/MD
 Sample : L4485-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

Quant Time: Sep 25 02:56:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:46:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	201081	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	202966	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	96123	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	63920	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.92	69	57035	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	65	33759	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.66	46	260197	53.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.34%
24) Chloroform-d	5.08	84	129846	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.72	65	81036	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.74	84	253013	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	85937	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	219495	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.18	79	33204	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	182837	51.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.04%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	72234	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
66) 1,2-Dichlorobenzene-d4	12.19	152	85667	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	6011	0.287 ug/L	96
3) Chloromethane	1.52	50	6033	0.292 ug/L	99
5) Vinyl chloride	1.61	62	5465	0.269 ug/L #	66
6) Bromomethane	1.86	94	2947	0.271 ug/L	81
8) Chloroethane	1.94	64	3790	0.312 ug/L	95
9) Trichlorofluoromethane	2.15	101	7449	0.272 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5642	0.334 ug/L #	82
12) 1,1-Dichloroethene	2.59	96	4905	0.313 ug/L #	1
13) Acetone	2.66	43	10525	2.655 ug/L	69
14) Carbon disulfide	2.80	76	15144	0.276 ug/L	96
15) Methyl Acetate	2.98	43	2509	0.261 ug/L	94
16) Methylene chloride	3.06	84	7761	0.394 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	10955	0.263 ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	4598	0.278 ug/L	96
19) 1,1-Dichloroethane	3.89	63	9023	0.277 ug/L #	85
21) 2-Butanone	4.74	43	16624	2.603 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	5041	0.290 ug/L	94

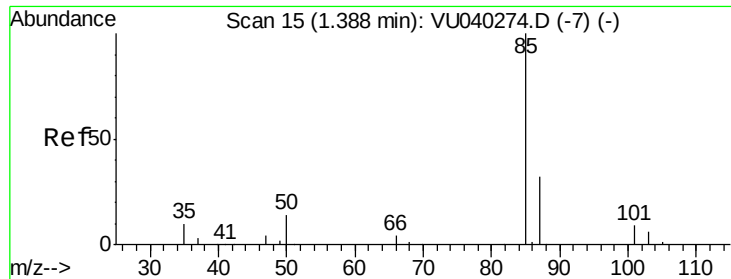
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	2281	0.281	ug/L	88
25) Chloroform	5.11	83	13768	0.421	ug/L	92
27) 1,2-Dichloroethane	5.81	62	7045	0.300	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	7553	0.265	ug/L	92
30) Cyclohexane	5.41	56	7471	0.240	ug/L	98
31) Carbon tetrachloride	5.54	117	6141	0.252	ug/L	96
33) Benzene	5.79	78	19209	0.273	ug/L	100
34) Trichloroethene	6.56	95	4579	0.250	ug/L	87
35) Methylcyclohexane	6.77	83	6633	0.232	ug/L	93
37) 1,2-Dichloropropane	6.80	63	5228	0.267	ug/L #	92
38) Bromodichloromethane	7.11	83	6077	0.254	ug/L #	94
39) cis-1,3-Dichloropropene	7.62	75	7216	0.271	ug/L	83
40) 4-Methyl-2-pentanone	7.80	43	36434	2.434	ug/L	98
42) Toluene	7.97	91	18727	0.263	ug/L	95
44) trans-1,3-Dichloropropene	8.22	75	6260	0.254	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	3812	0.287	ug/L	88
47) Tetrachloroethene	8.56	164	3320	0.252	ug/L	91
48) 2-Hexanone	8.69	43	32991	3.015	ug/L	98
49) Dibromochloromethane	8.82	129	3696	0.240	ug/L	97
50) 1,2-Dibromoethane	8.93	107	3608	0.279	ug/L #	85
51) Chlorobenzene	9.45	112	11708	0.256	ug/L	96
52) Ethylbenzene	9.57	91	19467	0.247	ug/L	95
53) m,p-Xylene	9.70	106	6270	0.221	ug/L	100
54) o-Xylene	10.10	106	6405	0.234	ug/L	85
55) Styrene	10.11	104	10084	0.214	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	4800	0.272	ug/L #	97
59) Bromoform	10.29	173	2196	0.280	ug/L #	96
60) Isopropylbenzene	10.48	105	16784	0.249	ug/L	98
61) 1,2,3-Trichloropropane	10.82	75	3522	0.282	ug/L	90
62) 1,3,5-Trimethylbenzene	11.08	105	12513	0.229	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	12856	0.233	ug/L	95
64) 1,3-Dichlorobenzene	11.74	146	9750	0.292	ug/L	94
65) 1,4-Dichlorobenzene	11.83	146	9537	0.277	ug/L	96
67) 1,2-Dichlorobenzene	12.20	146	8762	0.277	ug/L	90
68) 1,2-Dibromo-3-chloropropan	13.00	75	705	0.241	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.21	180	5847	0.249	ug/L	93
70) 1,2,4-trichlorobenzene	13.83	180	4343	0.229	ug/L	98
71) Naphthalene	14.08	128	5497	0.167	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	3597	0.212	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.287 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

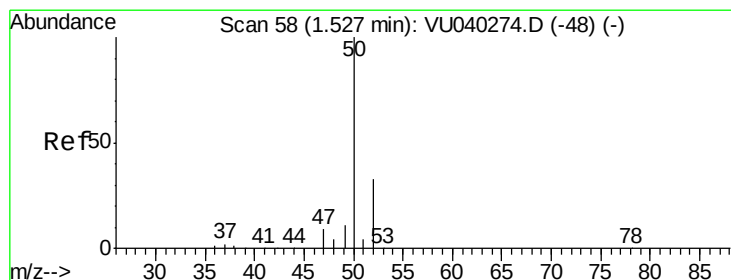
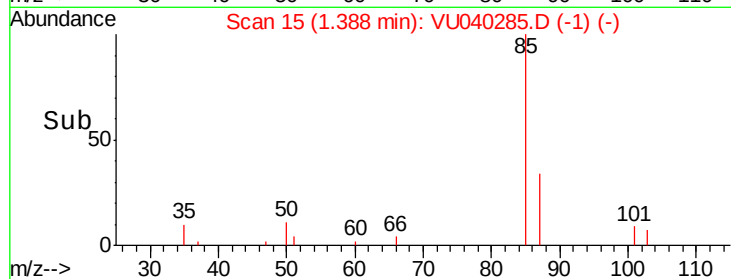
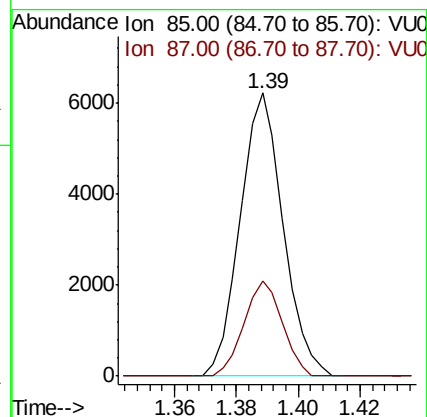
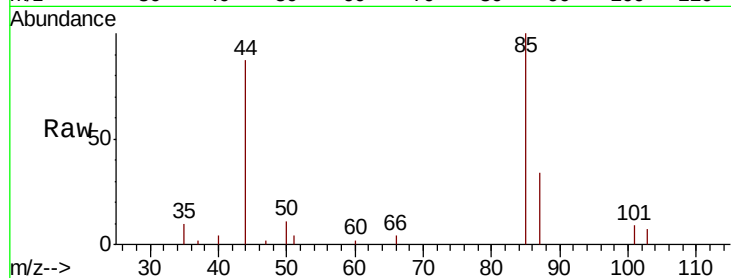
MDL-WATER-03

Tot Ion: 85 Resp: 6011

Ion Ratio Lower Upper

85 100

87 30.1 25.8 38.8



#3

Chloromethane

Concen: 0.292 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040285.D

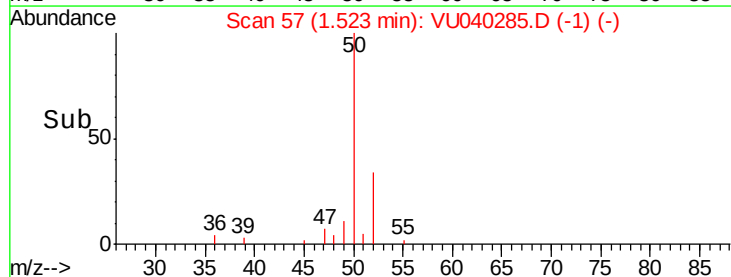
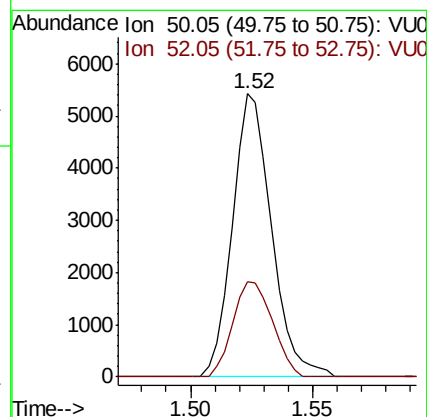
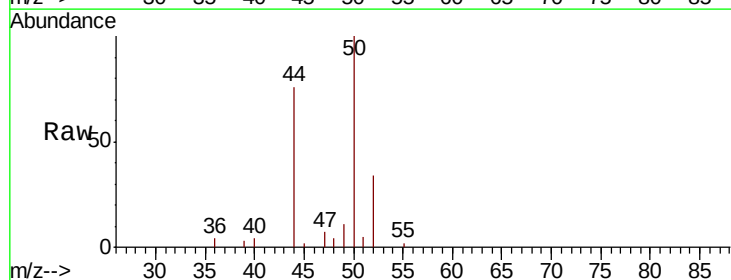
Acq: 24 Sep 2020 21:16

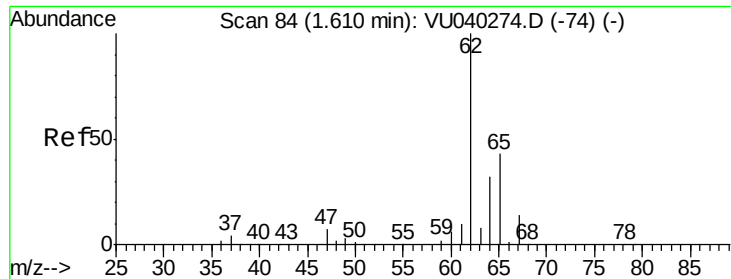
Tgt Ion: 50 Resp: 6033

Ion Ratio Lower Upper

50 100

52 33.5 22.9 42.5





#5

Vinyl chloride

Concen: 0.269 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

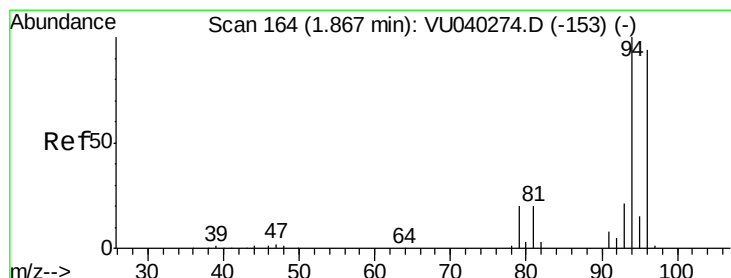
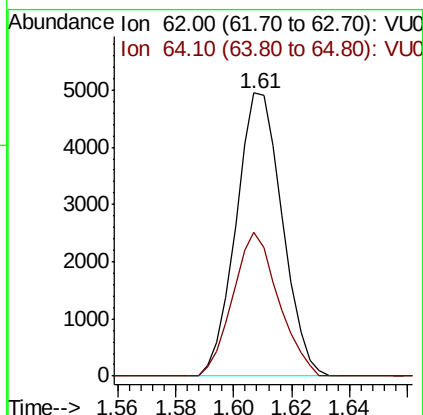
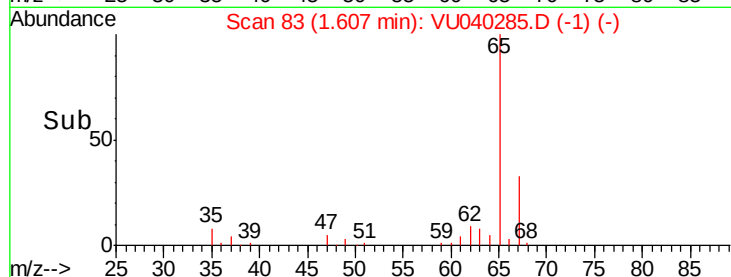
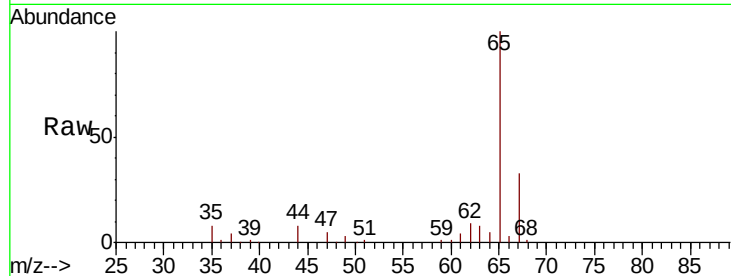
MDL-WATER-03

Tot Ion: 62 Resp: 5465

Ion Ratio Lower Upper

62 100

64 50.8 22.3 41.3#



#6

Bromomethane

Concen: 0.271 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040285.D

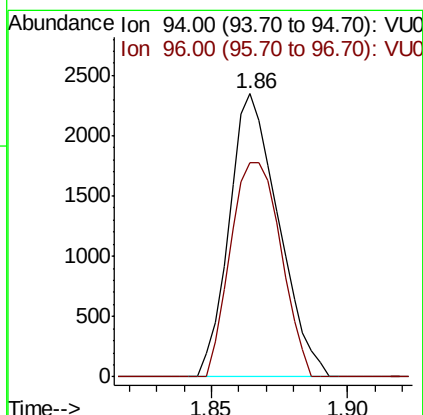
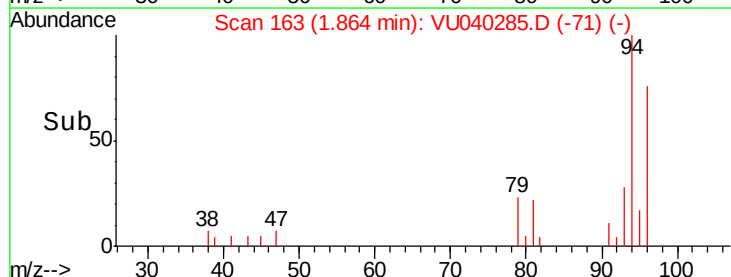
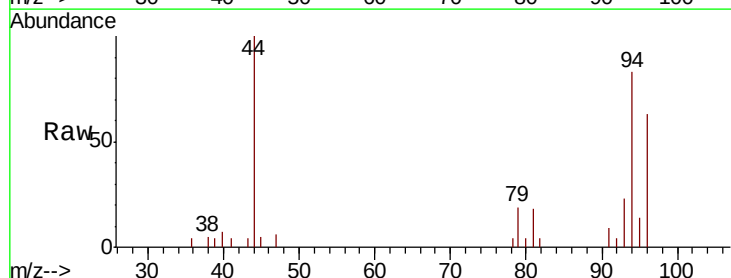
Acq: 24 Sep 2020 21:16

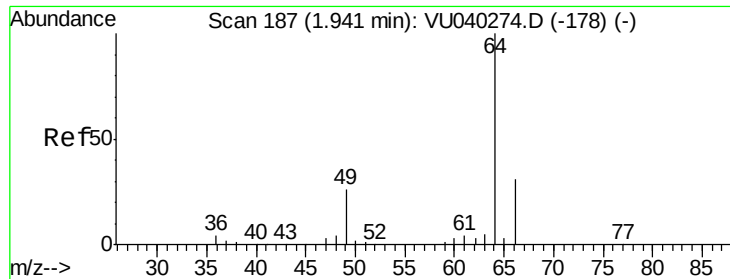
Tgt Ion: 94 Resp: 2947

Ion Ratio Lower Upper

94 100

96 75.8 66.1 122.7

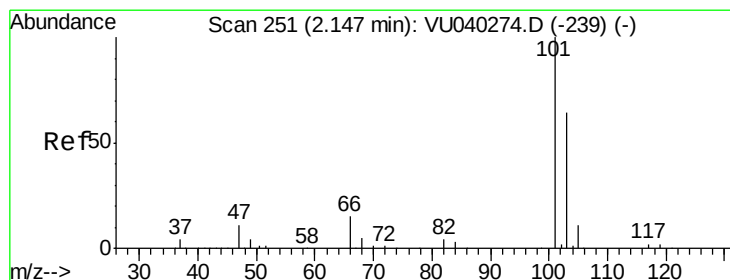
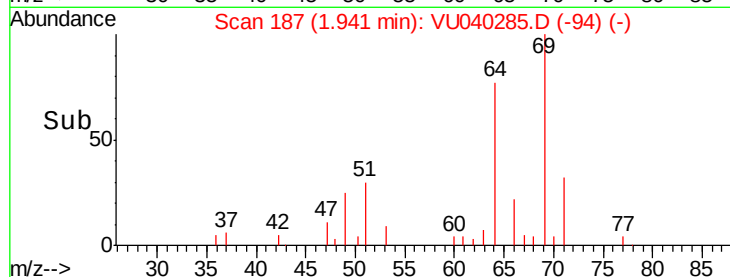
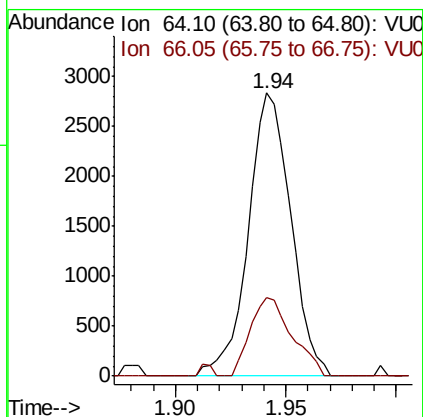
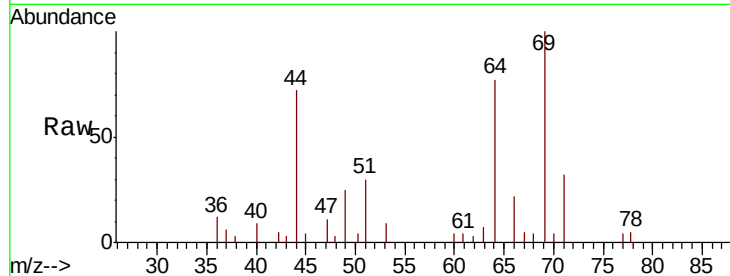




#8
Chloroethane
Concen: 0.312 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

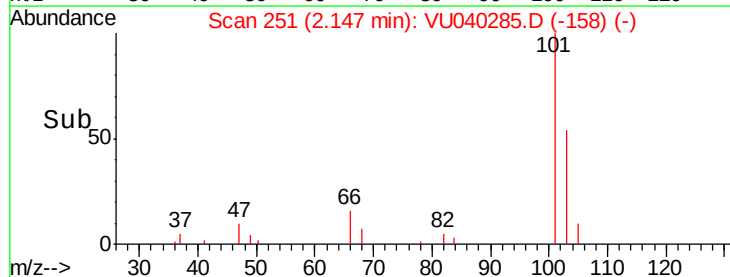
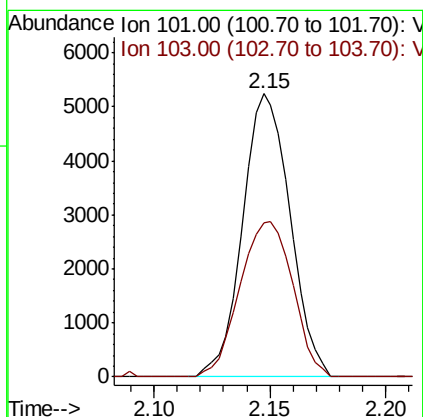
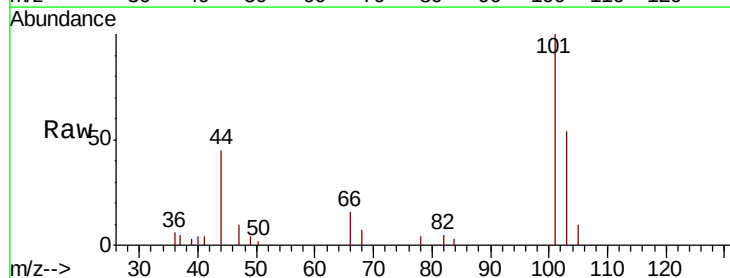
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

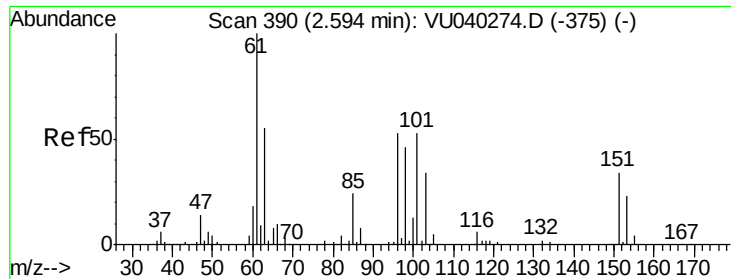
Tot Ion: 64 Resp: 3790
Ion Ratio Lower Upper
64 100
66 27.9 21.3 39.6



#9
Trichlorofluoromethane
Concen: 0.272 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Tgt Ion:101 Resp: 7449
Ion Ratio Lower Upper
101 100
103 61.2 51.2 76.8





#10

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

Concen: 0.334 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

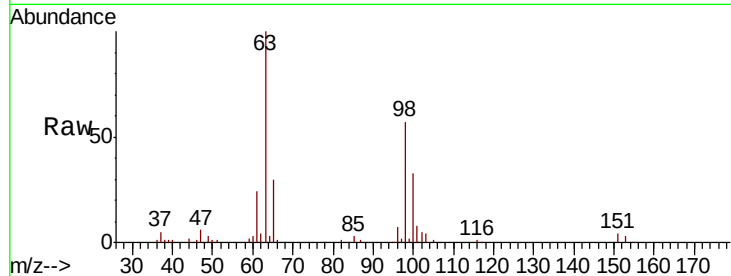
Tot Ion:101 Resp: 5642

Ion Ratio Lower Upper

101 100

85 35.5 36.7 55.1#

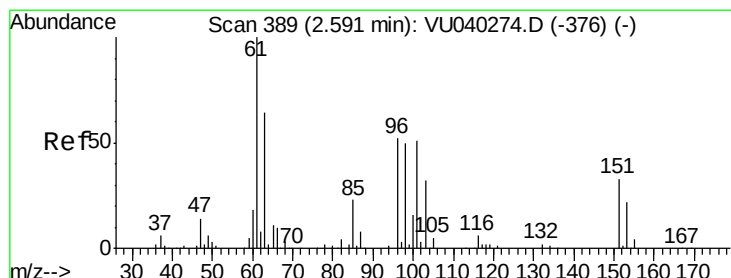
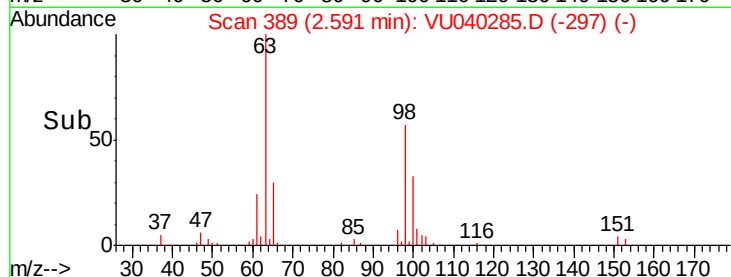
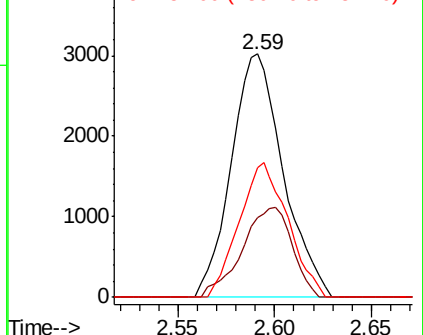
151 51.9 54.5 81.7#



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: 0.313 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

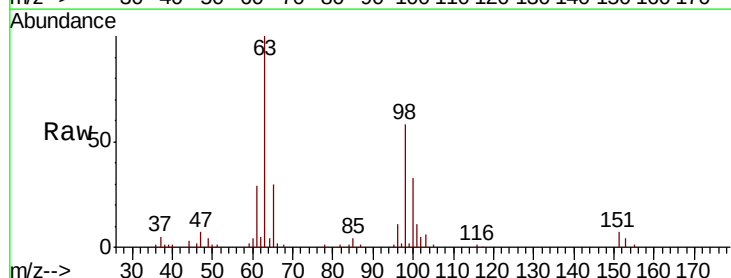
Tgt Ion: 96 Resp: 4905

Ion Ratio Lower Upper

96 100

61 261.8 134.3 249.3#

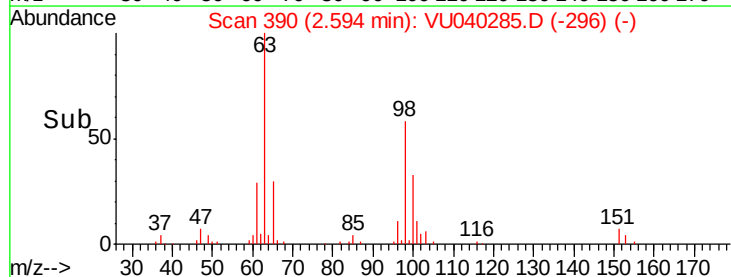
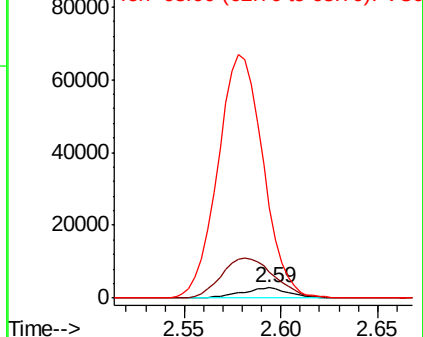
63 908.6 88.5 164.4#

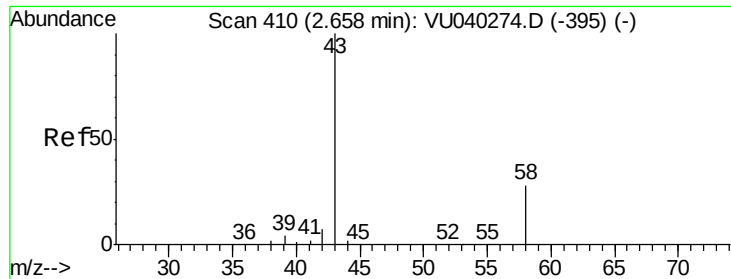


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.655 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

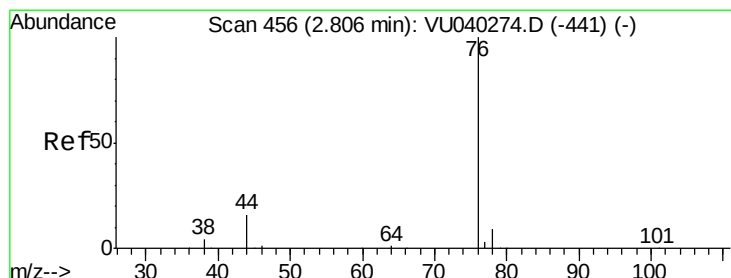
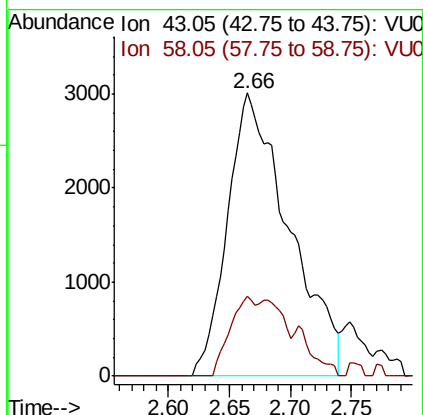
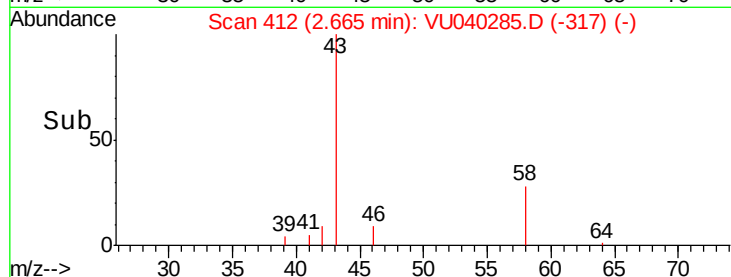
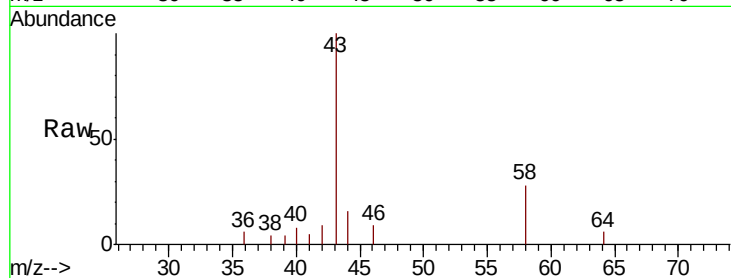
MDL-WATER-03

Tot Ion: 43 Resp: 10525

Ion Ratio Lower Upper

43 100

58 11.7 0.0 56.4



#14

Carbon disulfide

Concen: 0.276 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040285.D

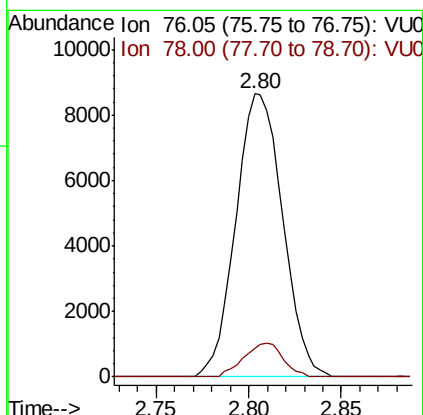
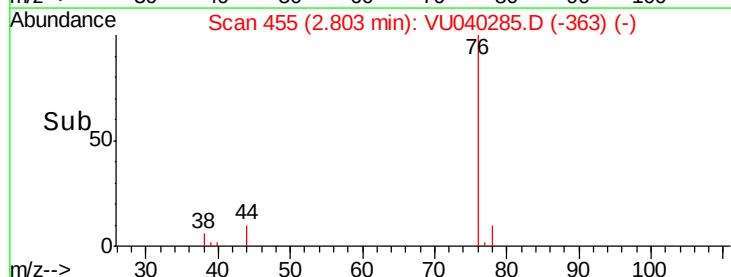
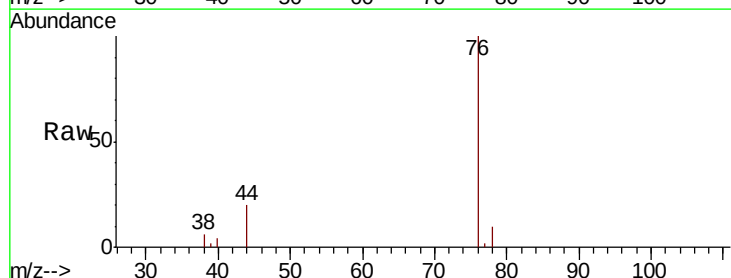
Acq: 24 Sep 2020 21:16

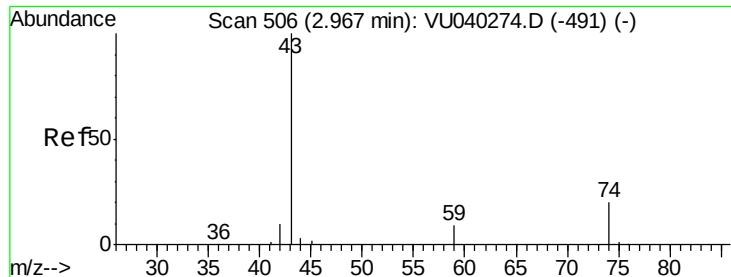
Tgt Ion: 76 Resp: 15144

Ion Ratio Lower Upper

76 100

78 10.0 6.9 10.3

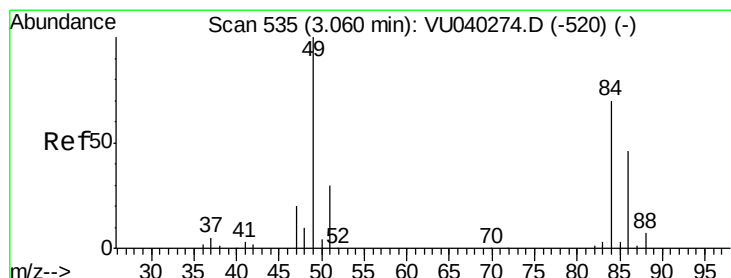
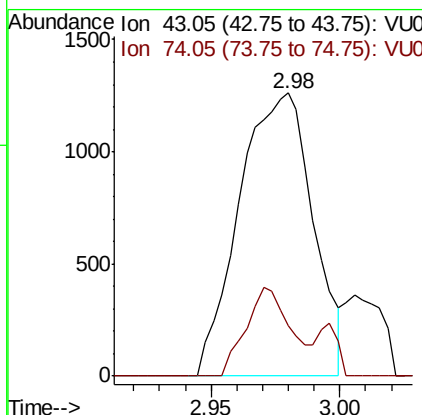
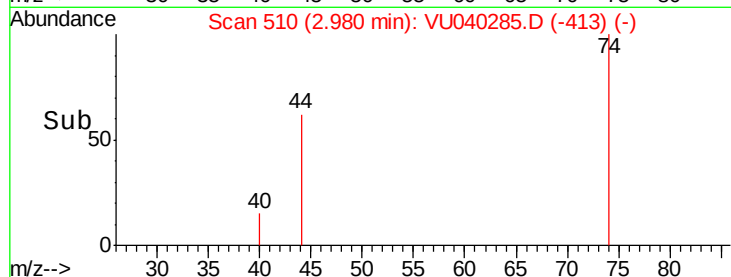
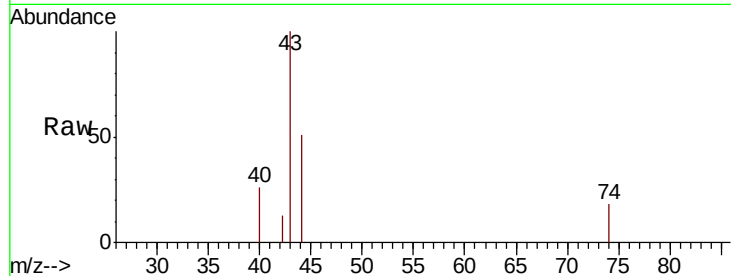




#15
Methvl Acetate
Concen: 0.261 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.01 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

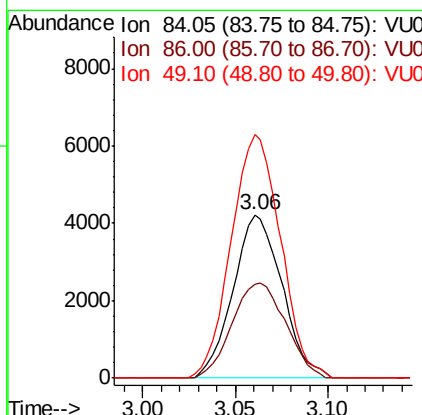
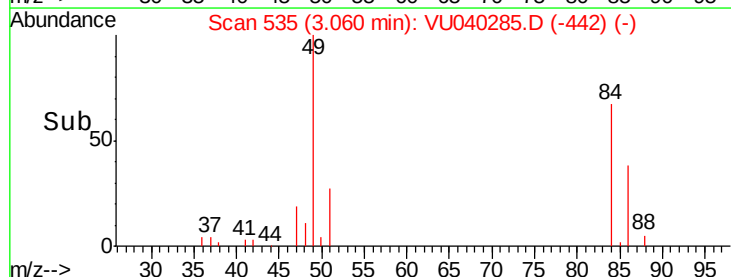
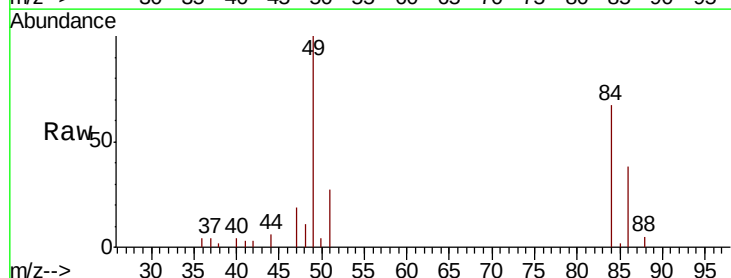
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

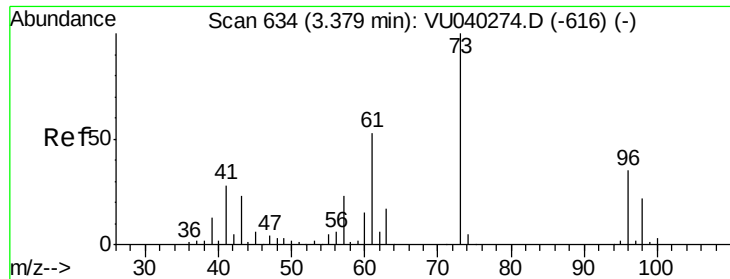
Tot Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
74 18.5 16.9 25.3



#16
Methylene chloride
Concen: 0.394 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Tgt Ion: 84 Resp: 7761
Ion Ratio Lower Upper
84 100
86 57.3 45.8 85.0
49 149.3 100.4 186.4

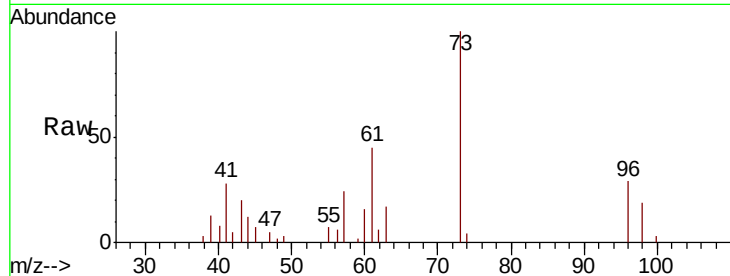




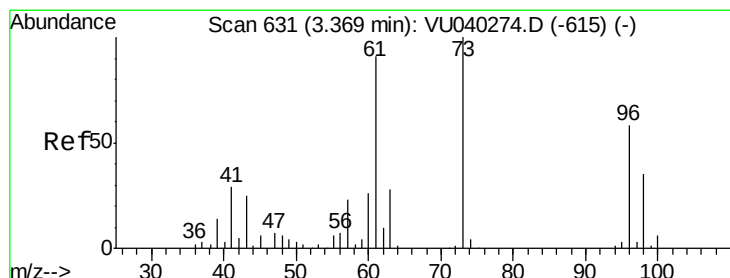
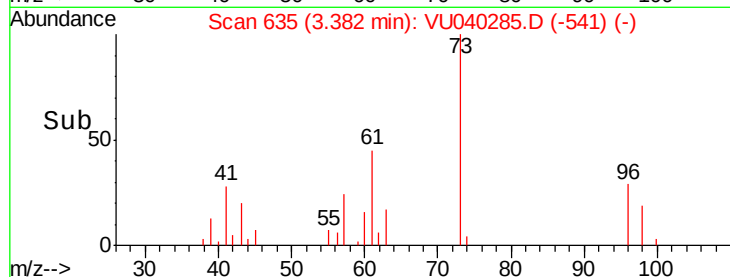
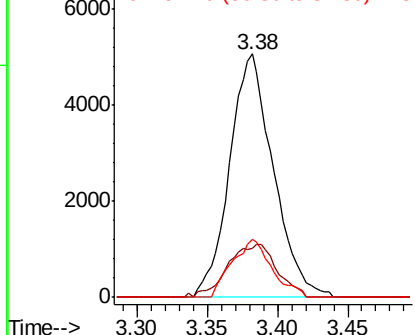
#17
Methyl tert-butyl Ether
Concen: 0.263 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

Tot Ion: 73 Resp: 10955
Ion Ratio Lower Upper
73 100
43 24.6 19.0 28.6
57 21.6 18.6 27.8

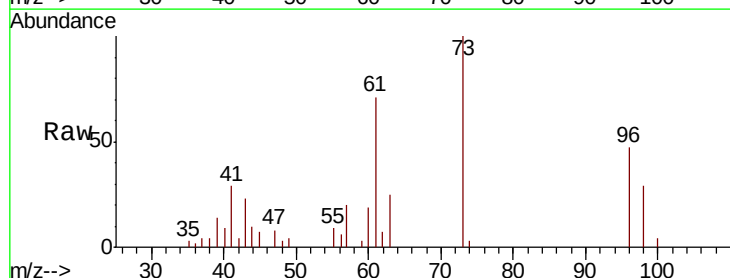


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

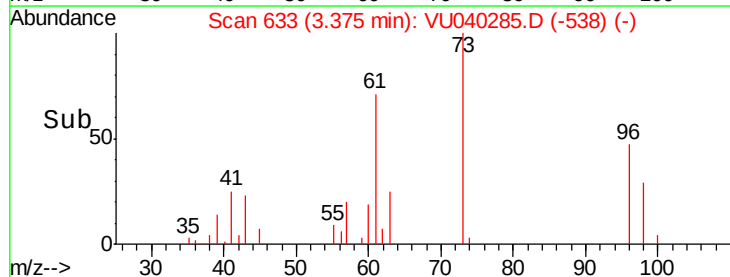
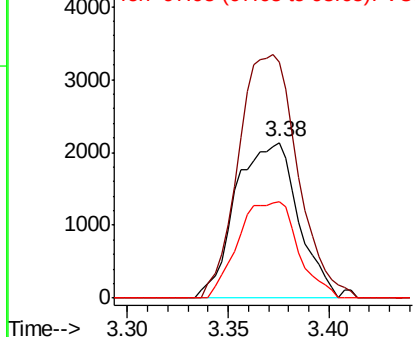


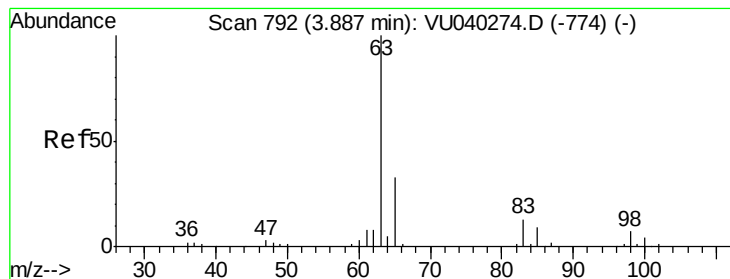
#18
trans-1,2-Dichloroethene
Concen: 0.278 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Tgt Ion: 96 Resp: 4598
Ion Ratio Lower Upper
96 100
61 151.6 110.7 205.5
98 62.1 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.277 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

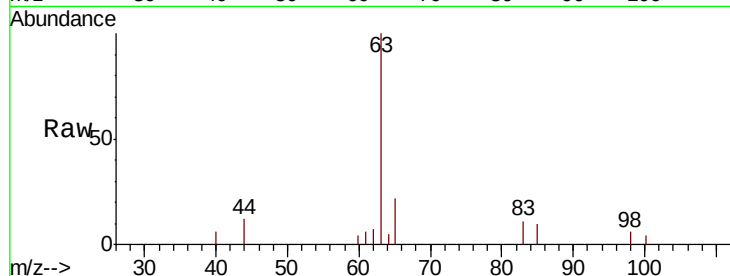
Tot Ion: 63 Resp: 9023

Ion Ratio Lower Upper

63 100

65 22.3 23.0 42.6#

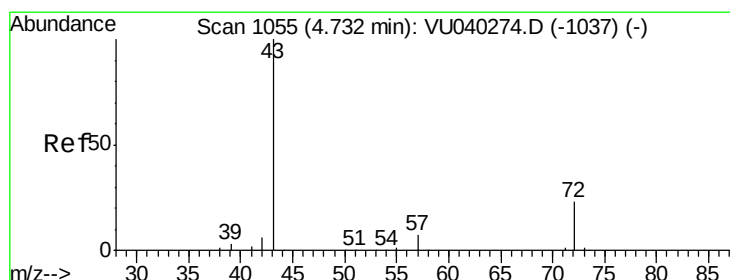
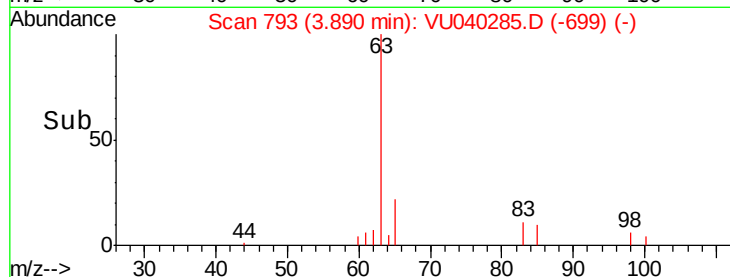
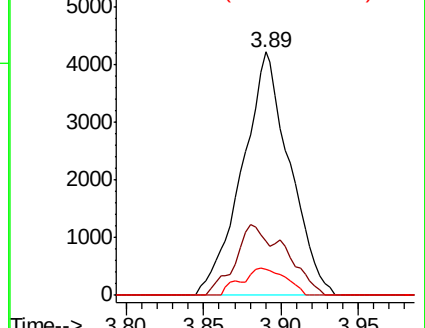
83 10.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU040274.D (-774) (-)

Ion 65.10 (64.80 to 65.80): VU040274.D (-774) (-)

Ion 83.05 (82.75 to 83.75): VU040274.D (-774) (-)



#21

2-Butanone

Concen: 2.603 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU040285.D

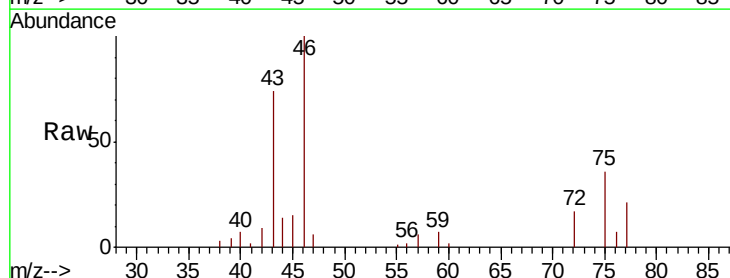
Acq: 24 Sep 2020 21:16

Tgt Ion: 43 Resp: 16624

Ion Ratio Lower Upper

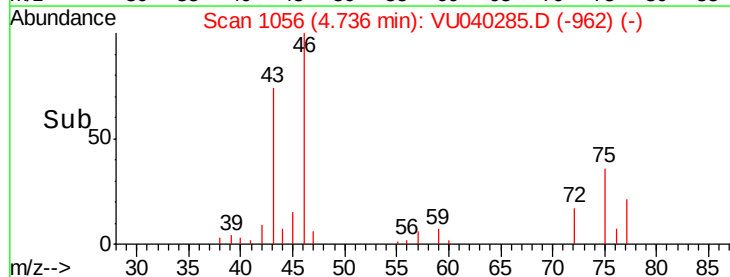
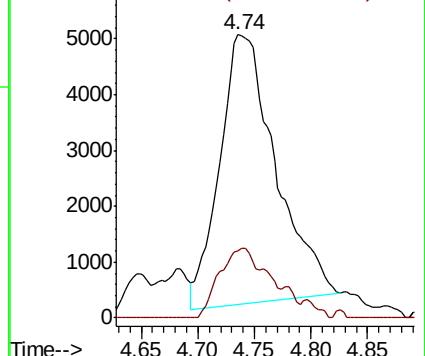
43 100

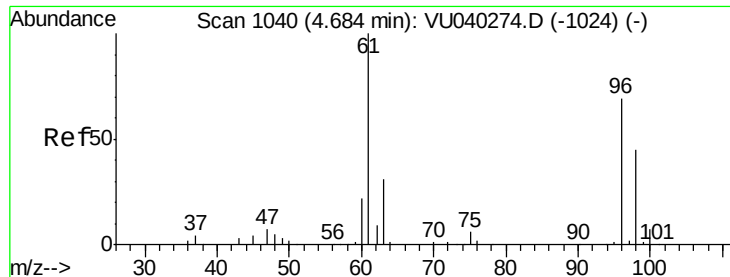
72 21.6 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU040274.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU040274.D (-1037) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.290 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

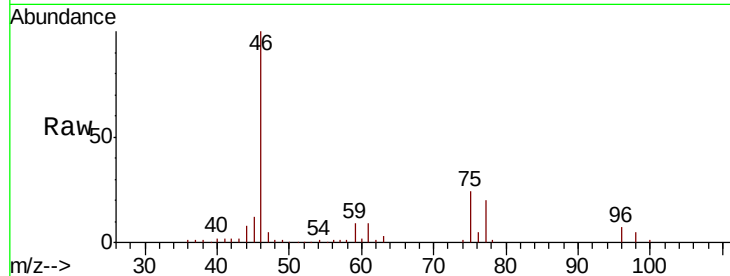
Tot Ion: 96 Resp: 5041

Ion Ratio Lower Upper

96 100

61 135.5 101.9 189.3

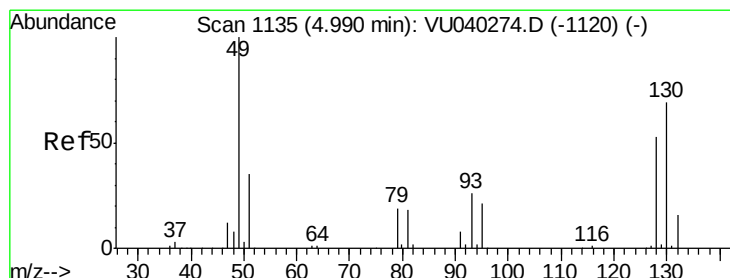
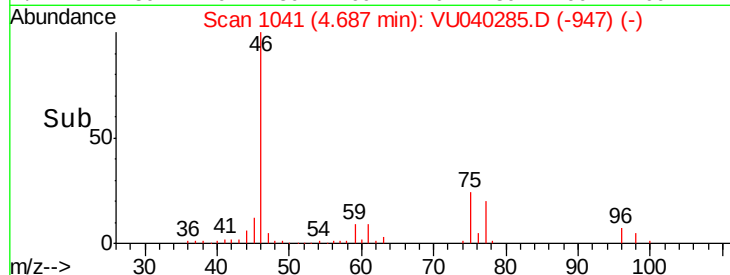
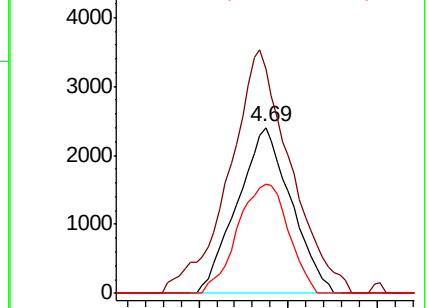
98 66.0 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 0.281 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Tgt Ion: 128 Resp: 2281

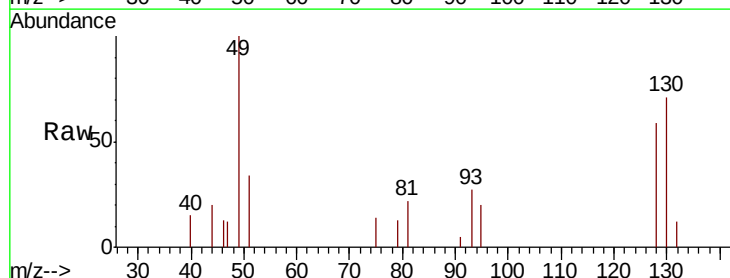
Ion Ratio Lower Upper

128 100

49 169.2 133.0 247.0

130 119.8 91.8 170.6

51 58.3 53.3 79.9

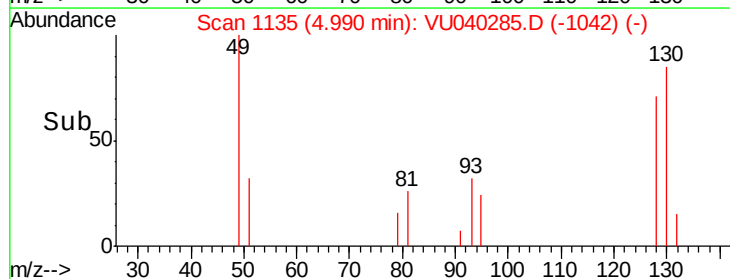
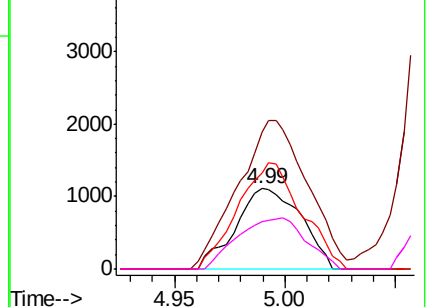


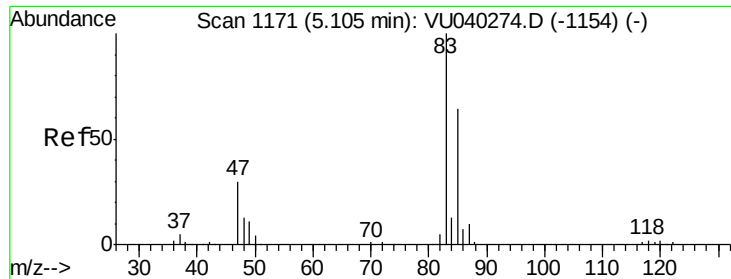
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

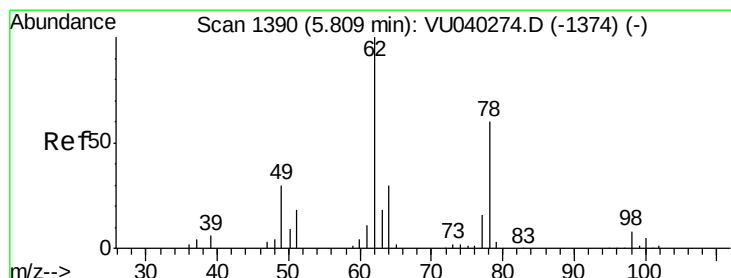
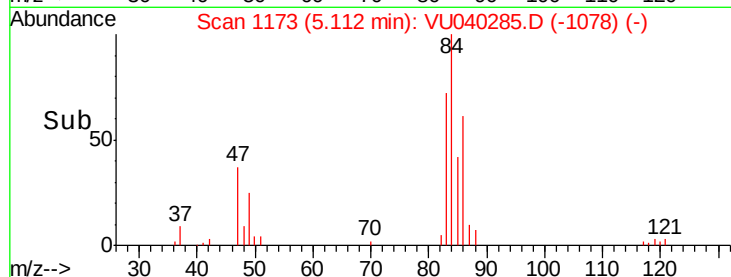
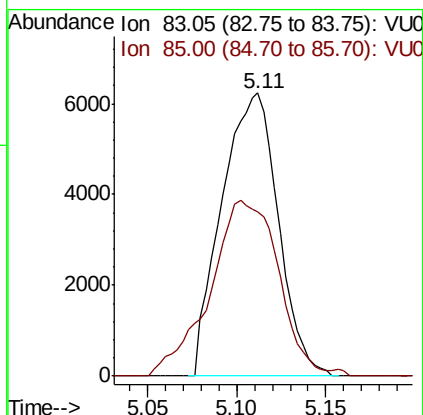
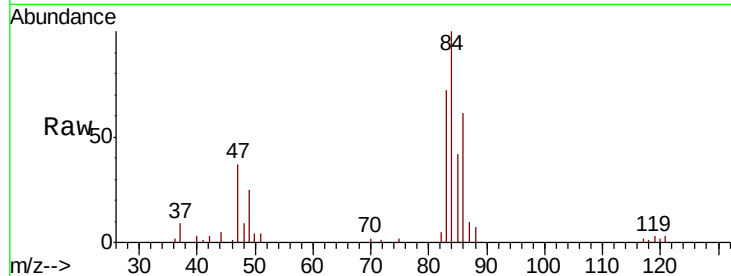




#25
Chloroform
Concen: 0.421 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

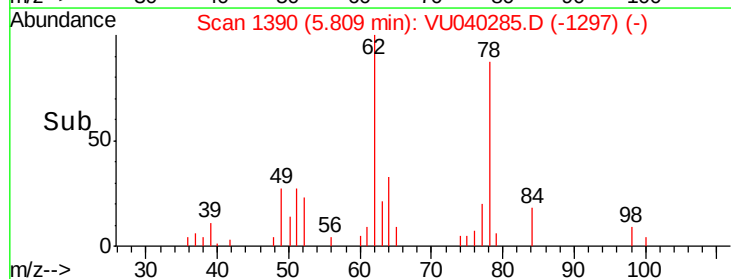
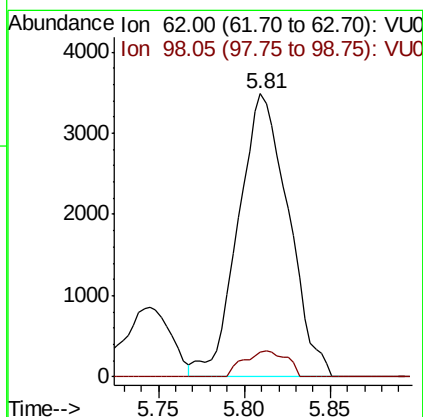
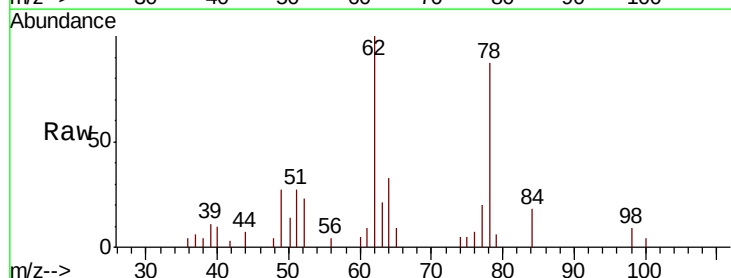
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

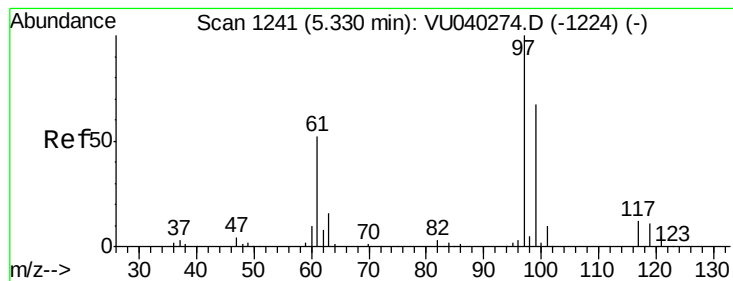
Tot Ion: 83 Resp: 13768
Ion Ratio Lower Upper
83 100
85 58.2 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.300 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Tgt Ion: 62 Resp: 7045
Ion Ratio Lower Upper
62 100
98 8.6 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 0.265 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

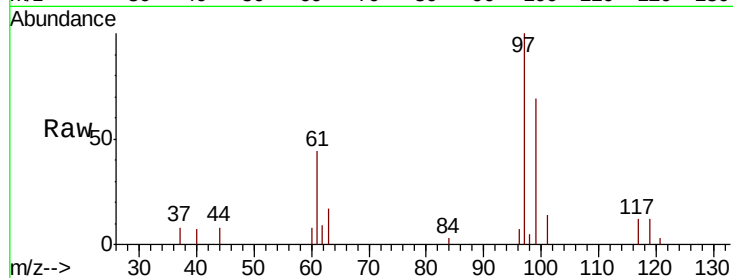
Tot Ion: 97 Resp: 7553

Ion Ratio Lower Upper

97 100

99 69.3 52.1 78.1

61 42.6 40.2 60.4

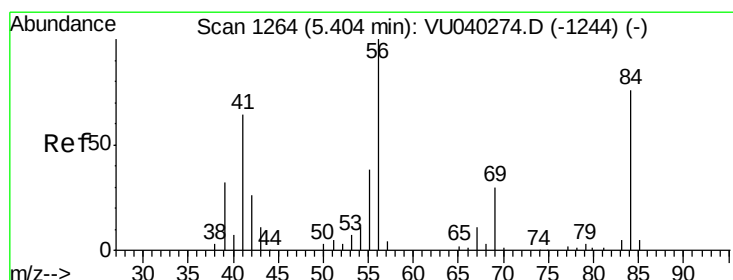
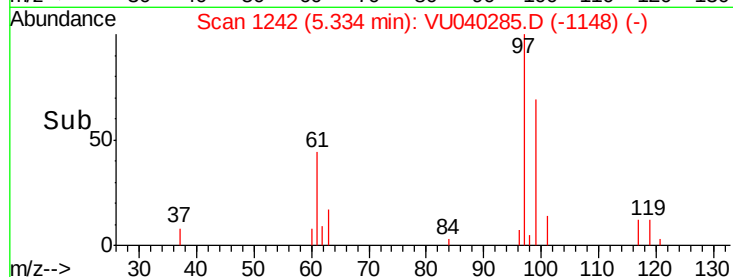
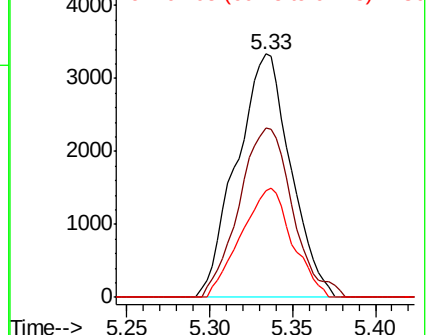


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 0.240 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

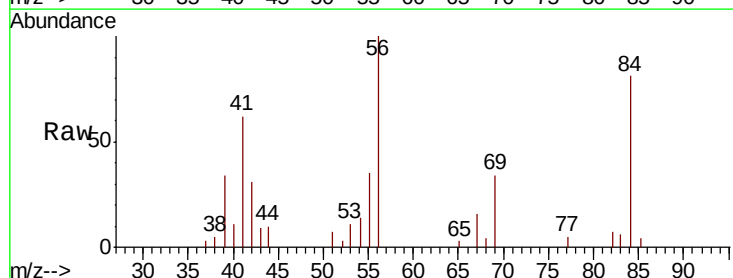
Tgt Ion: 56 Resp: 7471

Ion Ratio Lower Upper

56 100

69 28.9 23.0 34.6

84 81.1 63.3 94.9

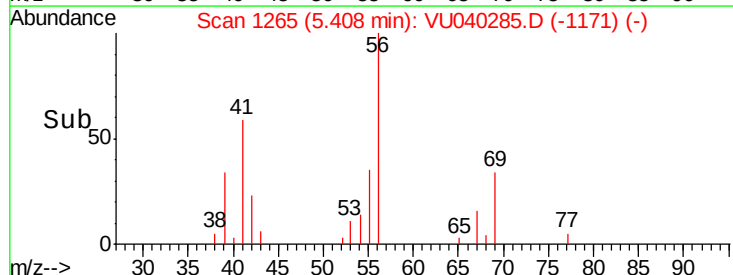
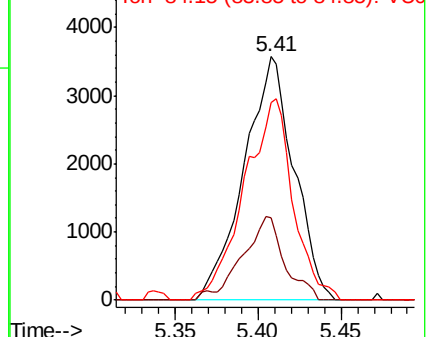


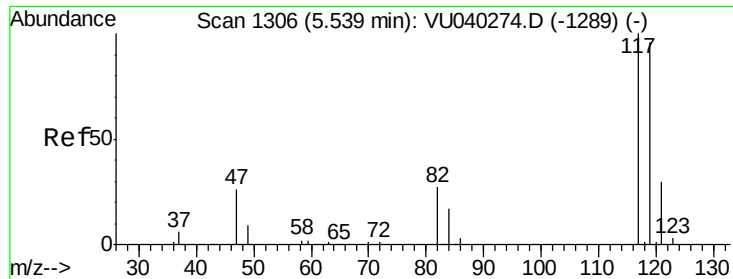
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.252 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

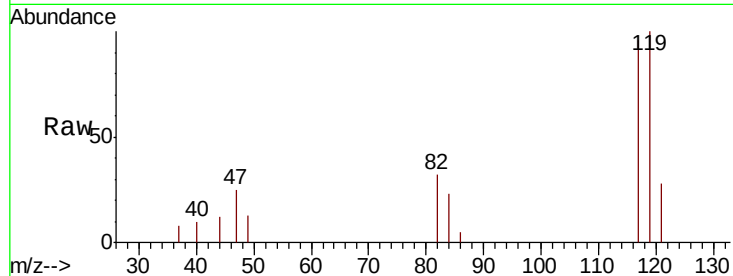
MDL-WATER-03

Tot Ion:117 Resp: 6141

Ion Ratio Lower Upper

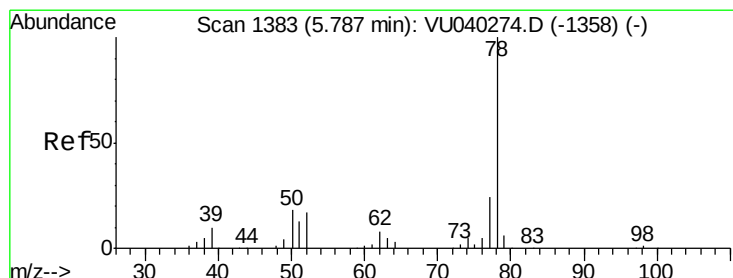
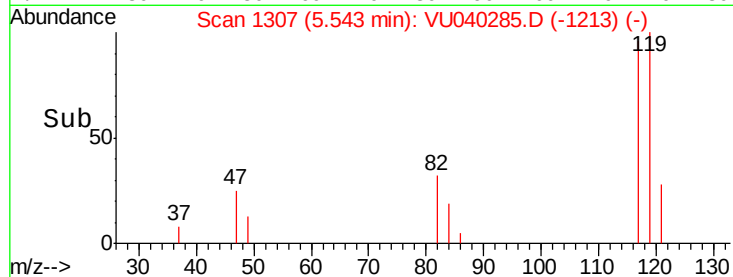
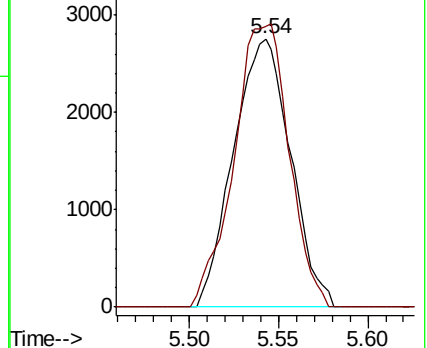
117 100

119 102.1 78.6 117.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.273 ug/L

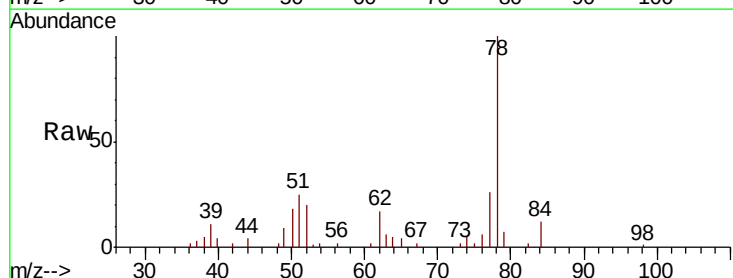
RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

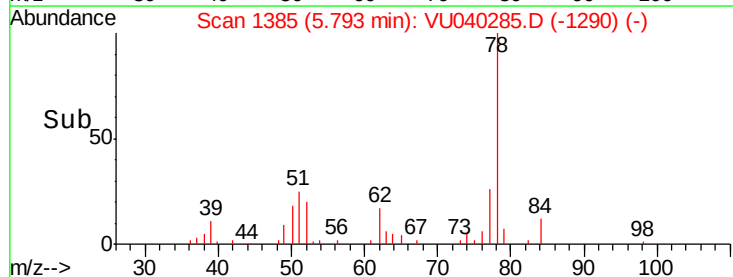
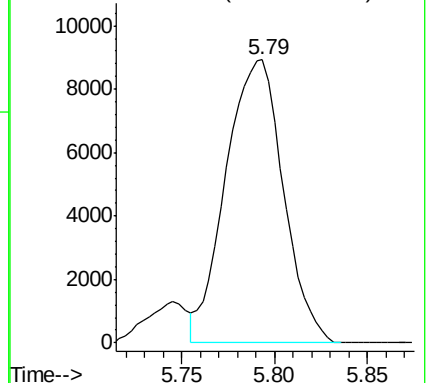
Lab File: VU040285.D

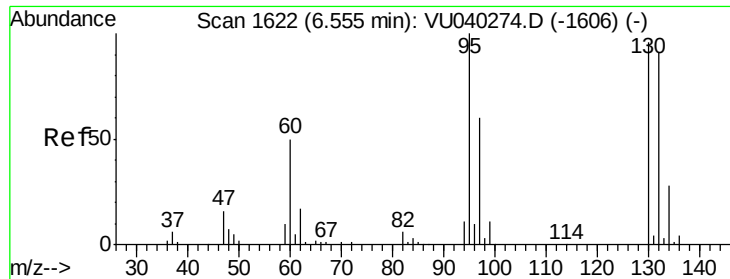
Acq: 24 Sep 2020 21:16

Tgt Ion: 78 Resp: 19209



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.250 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

Tot Ion: 95 Resp: 4579

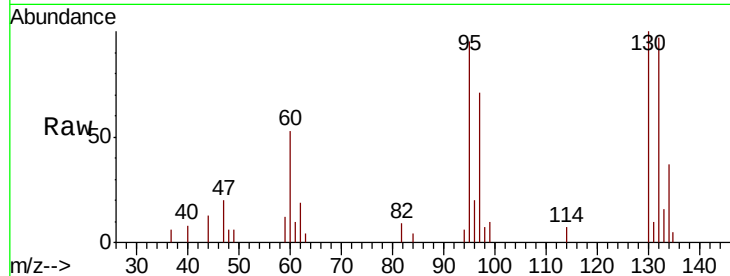
Ion Ratio Lower Upper

95 100

97 75.0 42.1 78.3

132 102.5 63.8 118.4

130 105.6 67.3 125.1



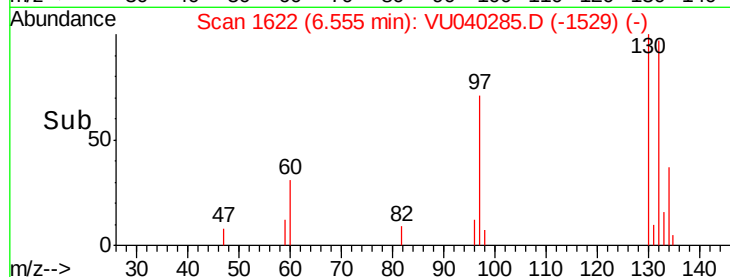
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

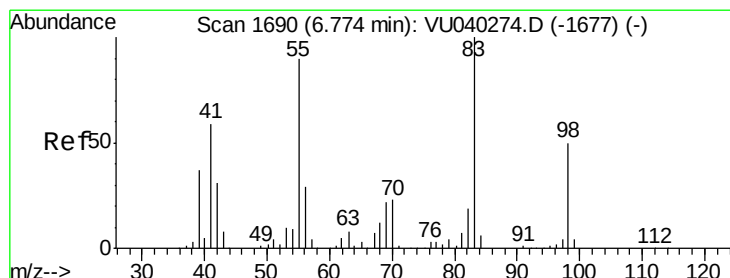
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



Time-->



#35

Methylcyclohexane

Concen: 0.232 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

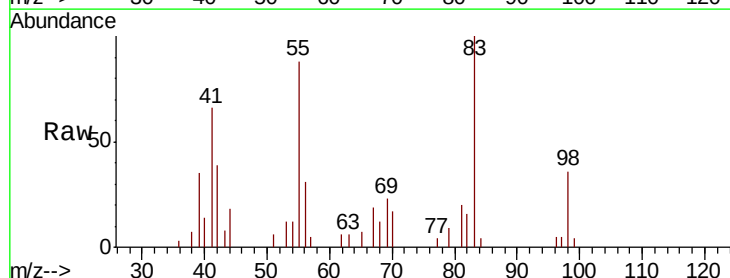
Tgt Ion: 83 Resp: 6633

Ion Ratio Lower Upper

83 100

55 97.6 71.7 107.5

98 45.3 38.6 58.0

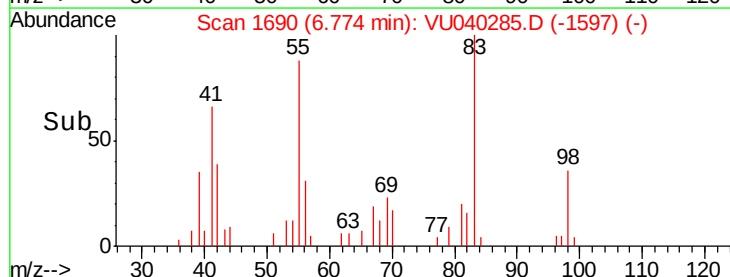


Abundance Ion 83.15 (82.85 to 83.85): VU0

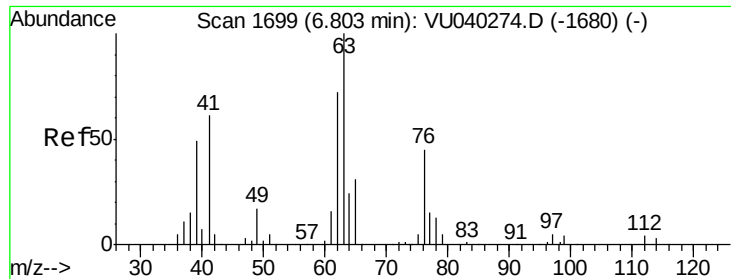
Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



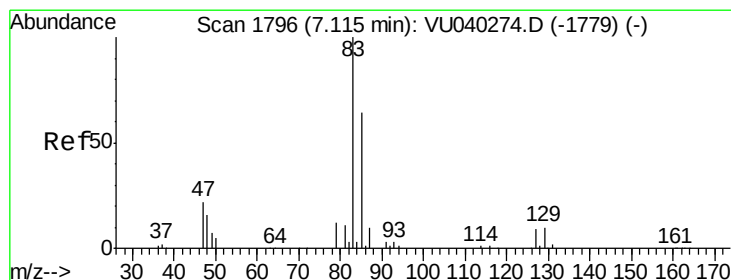
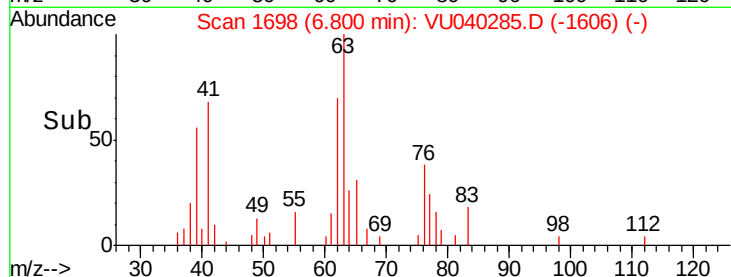
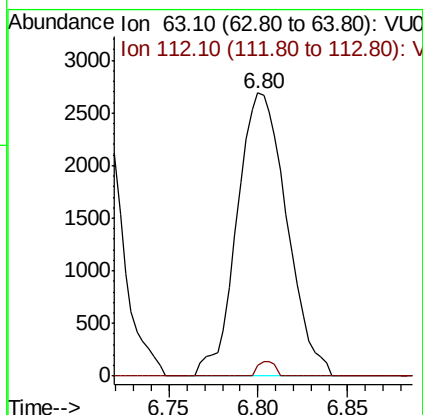
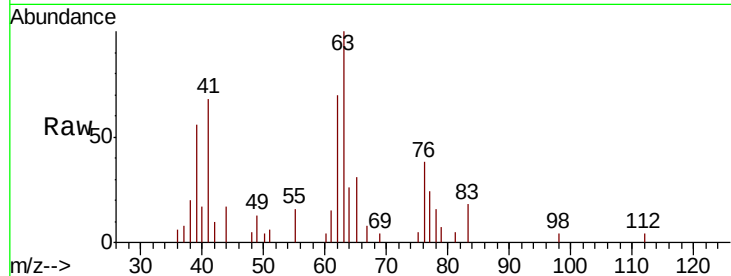
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.267 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

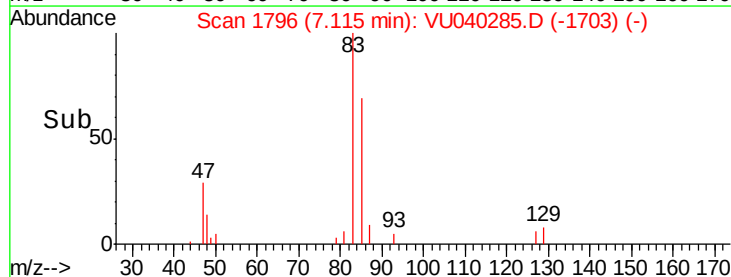
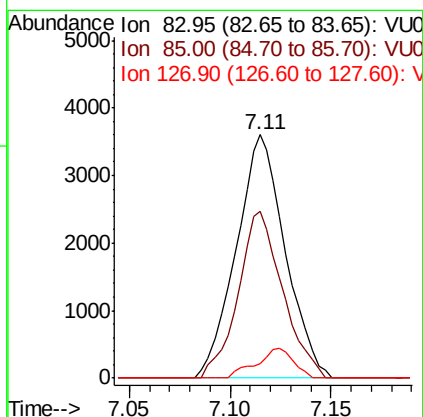
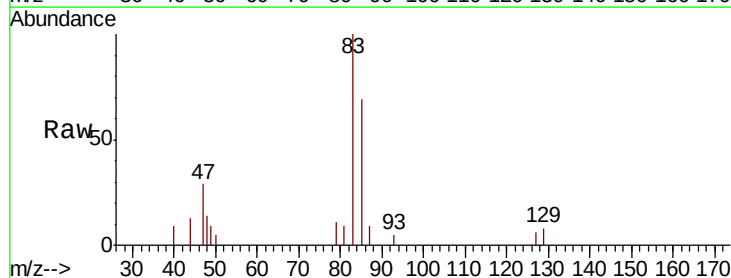
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

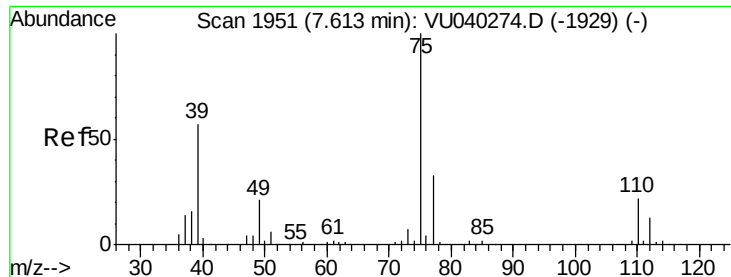
Tot Ion: 63 Resp: 5228
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.254 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion: 83 Resp: 6077
 Ion Ratio Lower Upper
 83 100
 85 68.8 44.6 82.8
 127 6.2 6.8 10.2#

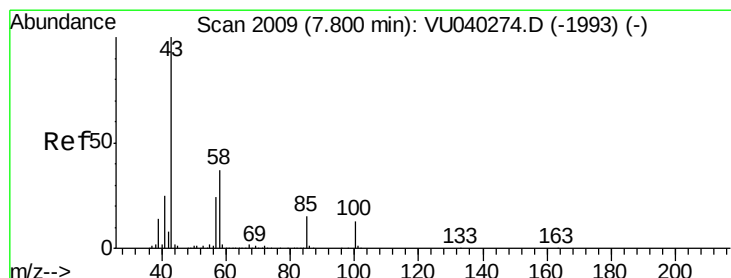
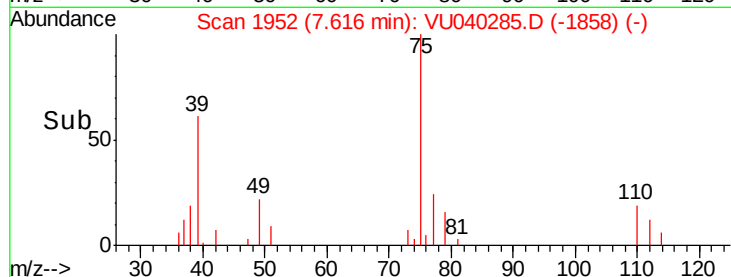
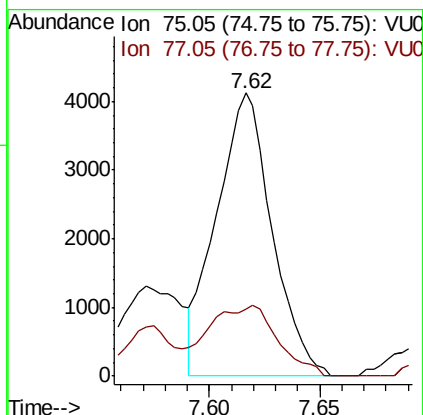
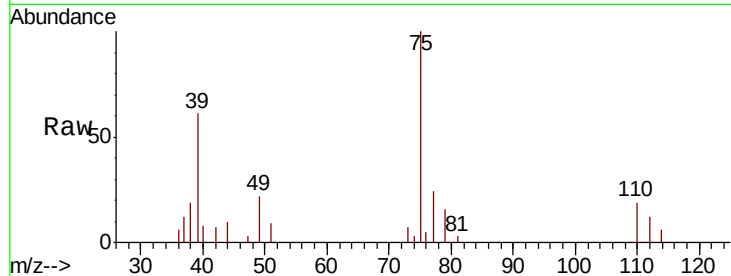




#39
 cis-1,3-Dichloropropene
 Concen: 0.271 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

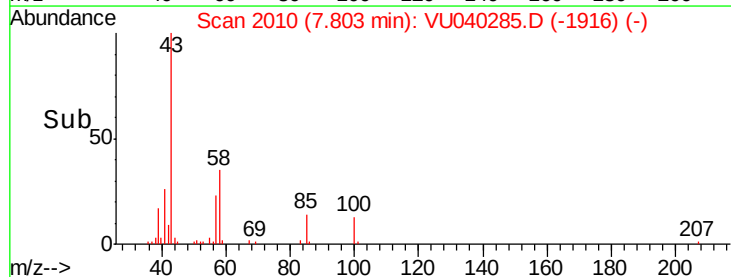
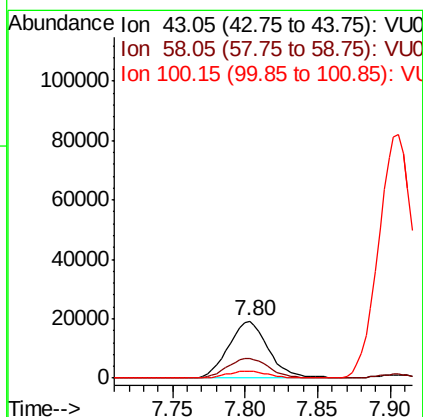
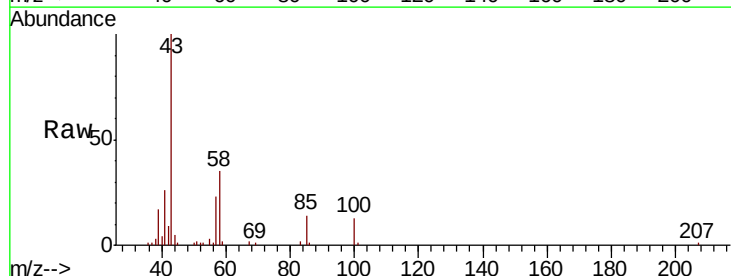
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

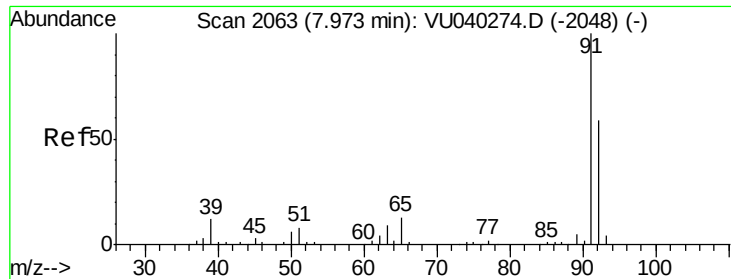
Tot Ion: 75 Resp: 7216
 Ion Ratio Lower Upper
 75 100
 77 23.6 23.4 43.4



#40
 4-Methyl-2-pentanone
 Concen: 2.434 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion: 43 Resp: 36434
 Ion Ratio Lower Upper
 43 100
 58 37.1 28.8 43.2
 100 12.5 10.3 15.5





#42

Toluene

Concen: 0.263 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

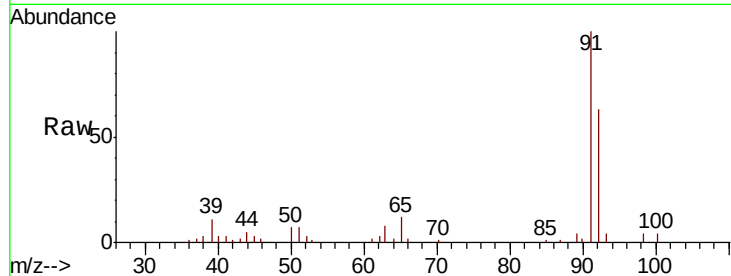
MDL-WATER-03

Tot Ion: 91 Resp: 18727

Ion Ratio Lower Upper

91 100

92 62.7 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU040274.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040274.D (-2048) (-)

7.97

12000

10000

8000

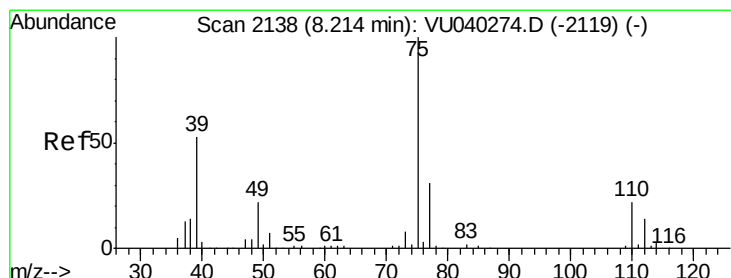
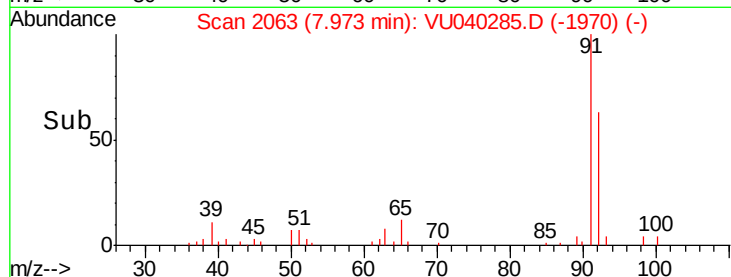
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.254 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040285.D

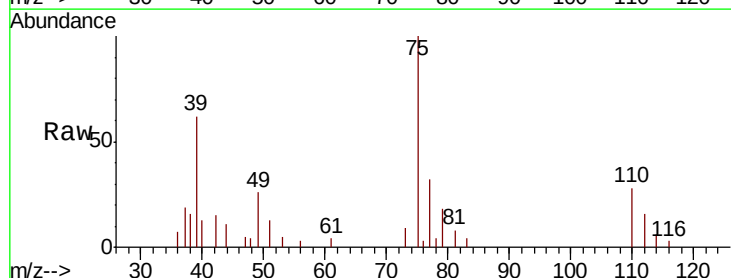
Acq: 24 Sep 2020 21:16

Tgt Ion: 75 Resp: 6260

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU040274.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU040274.D (-2119) (-)

8.22

4000

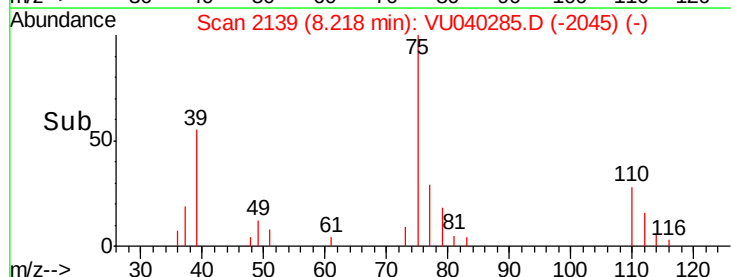
3000

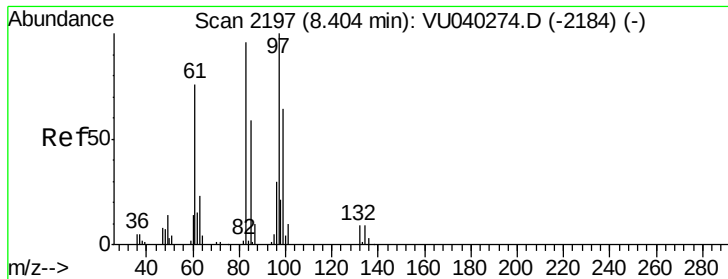
2000

1000

0

Time-->

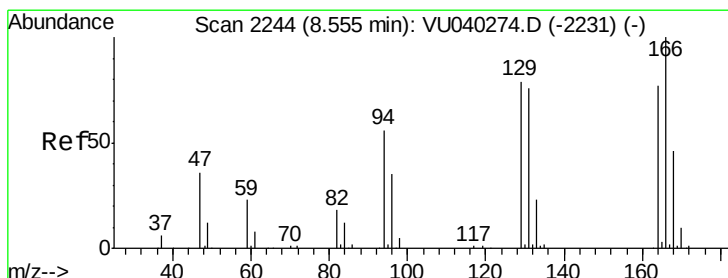
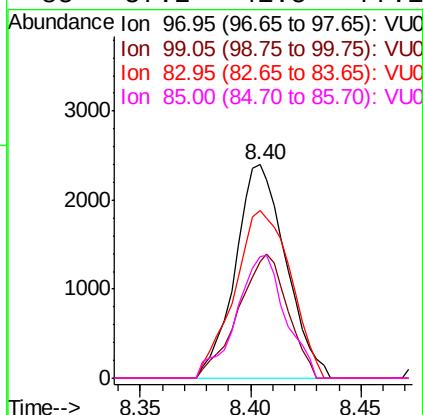
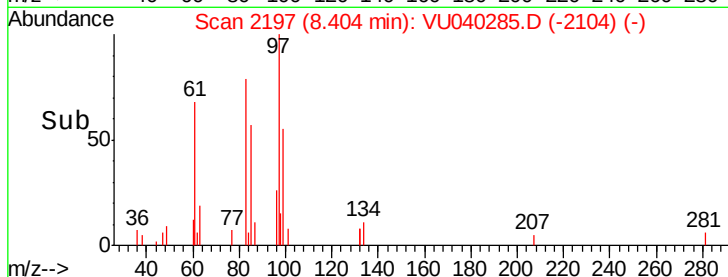
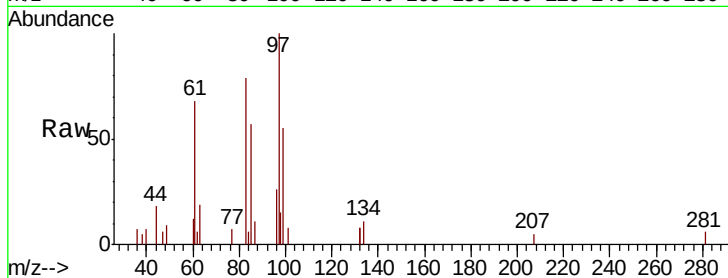




#45
 1,1,2-Trichloroethane
 Concen: 0.287 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

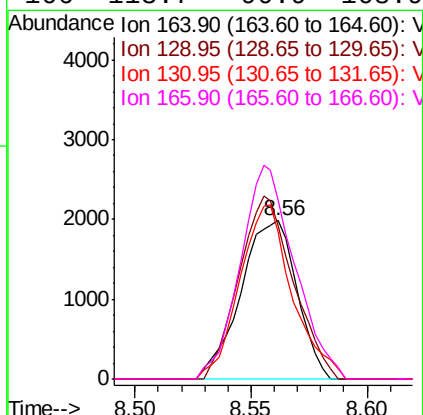
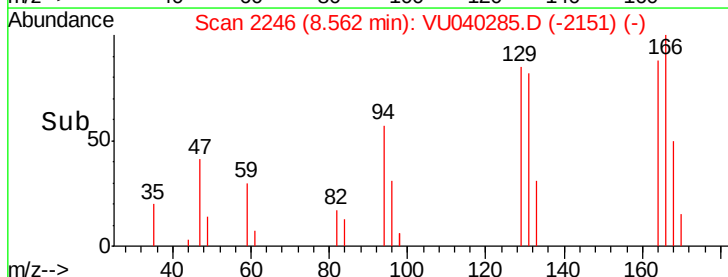
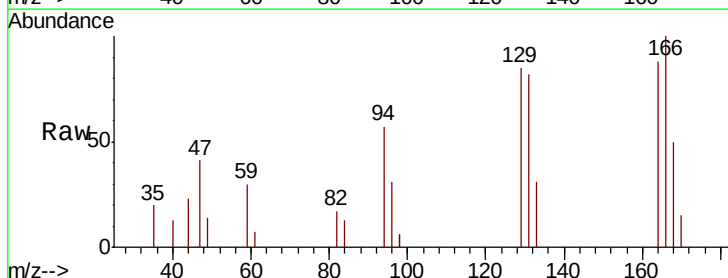
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

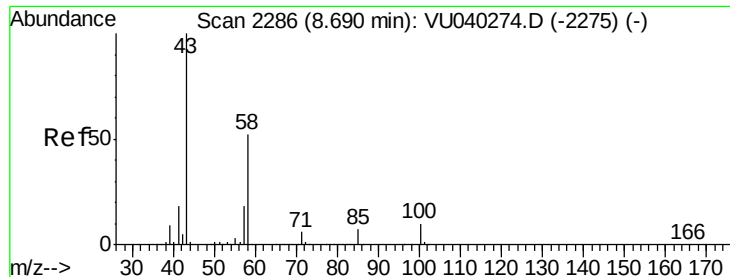
Tot Ion:	97	Resp:	3812
Ion	Ratio	Lower	Upper
97	100		
99	54.6	44.9	83.3
83	78.7	67.3	124.9
85	57.2	41.5	77.1



#47
 Tetrachloroethene
 Concen: 0.252 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion:	164	Resp:	3320
Ion	Ratio	Lower	Upper
164	100		
129	97.0	71.5	132.7
131	93.3	69.1	128.3
166	113.7	90.9	168.9

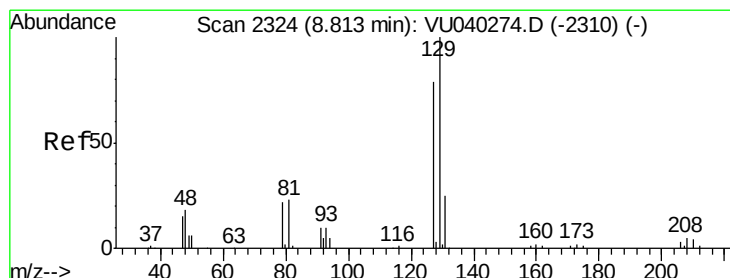
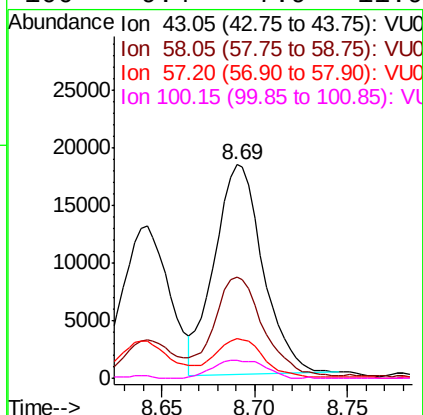
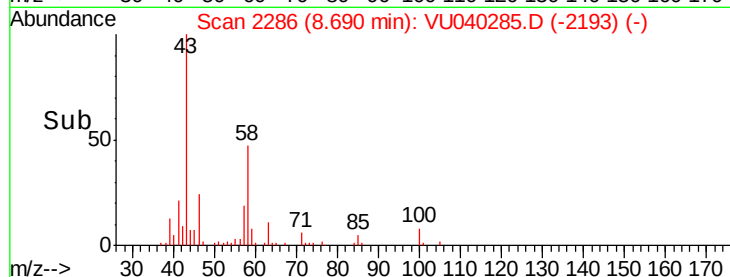
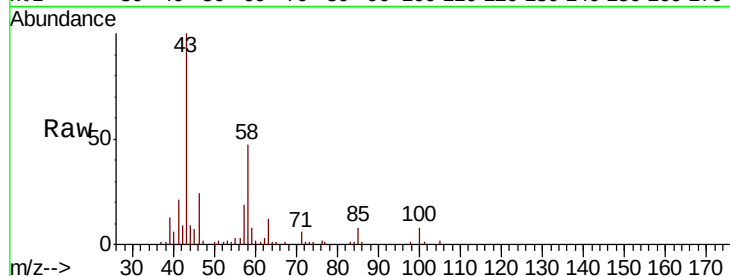




#48
2-Hexanone
Concen: 3.015 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

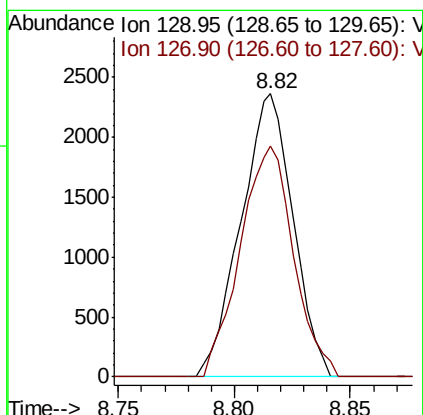
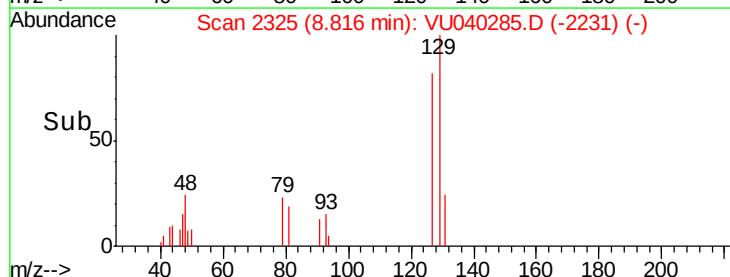
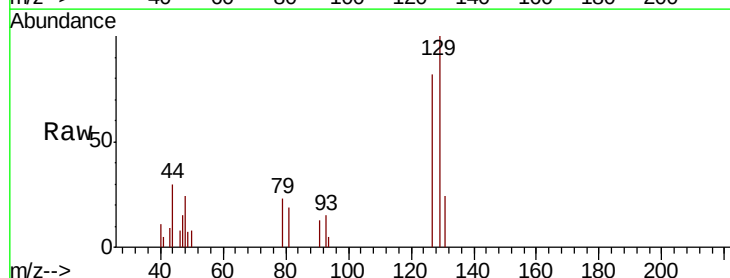
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

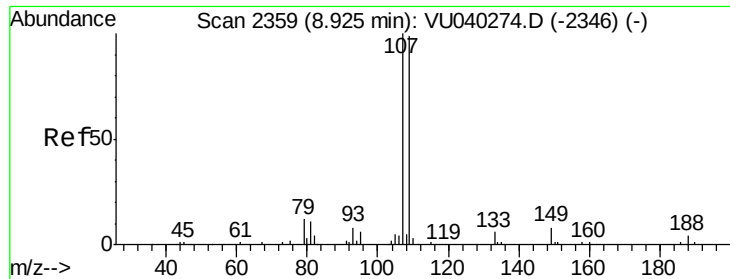
Tot Ion:	43	Resp:	32991
Ion	Ratio	Lower	Upper
43	100		
58	48.1	39.9	59.9
57	18.0	13.8	20.8
100	9.4	7.9	11.9



#49
Dibromochloromethane
Concen: 0.240 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Tgt Ion:	129	Resp:	3696
Ion	Ratio	Lower	Upper
129	100		
127	81.6	55.0	102.2

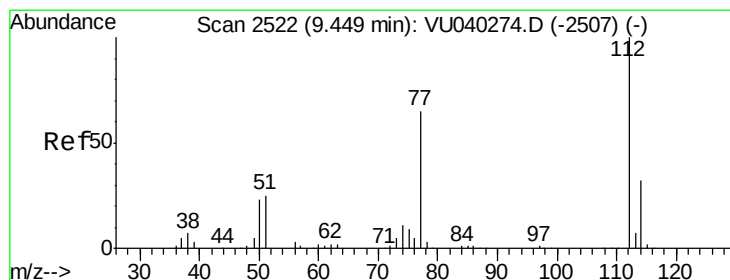
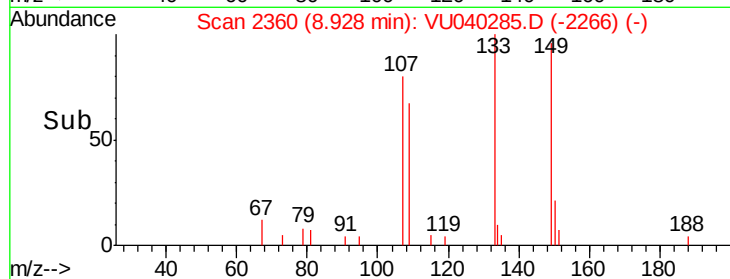
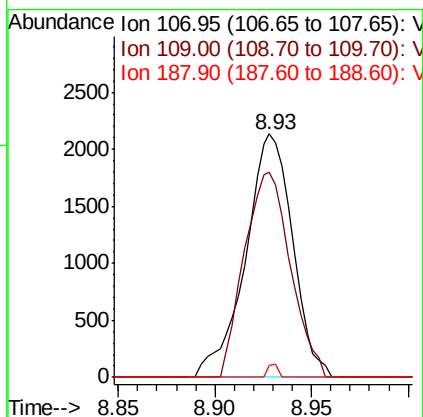
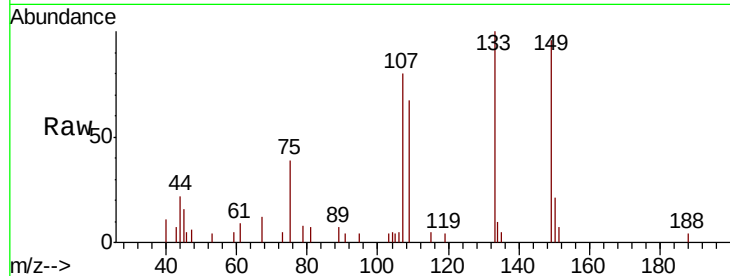




#50
 1,2-Dibromoethane
 Concen: 0.279 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

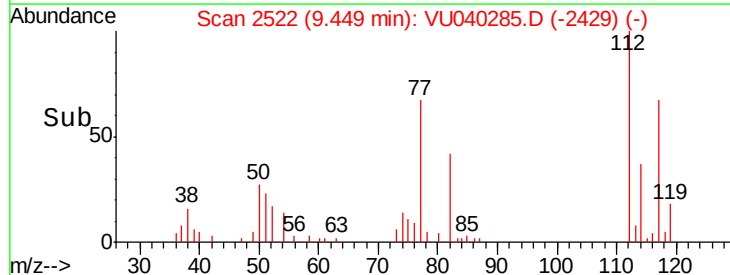
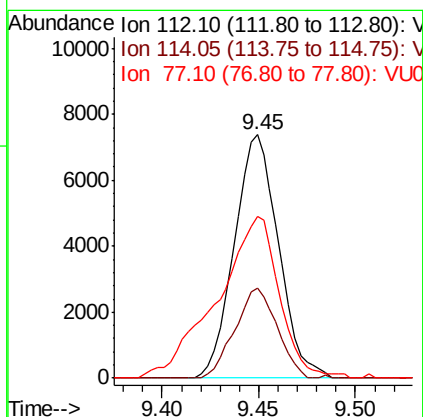
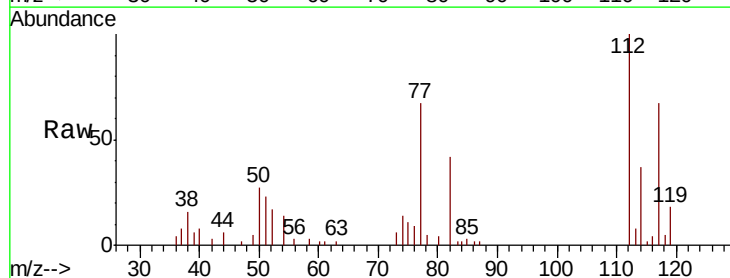
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

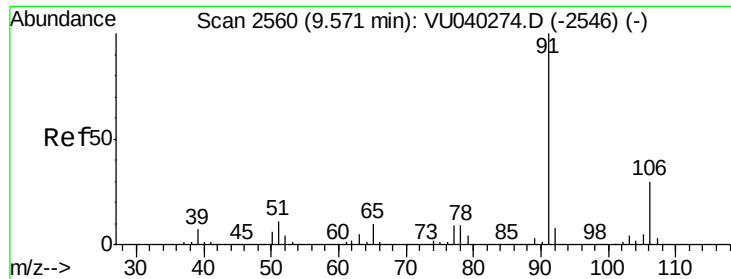
Tot Ion:107 Resp: 3608
 Ion Ratio Lower Upper
 107 100
 109 84.4 69.4 129.0
 188 5.1 2.9 4.3#



#51
 Chlorobenzene
 Concen: 0.256 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion:112 Resp: 11708
 Ion Ratio Lower Upper
 112 100
 114 36.8 22.7 42.3
 77 66.6 52.0 78.0





#52

Ethylbenzene

Concen: 0.247 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

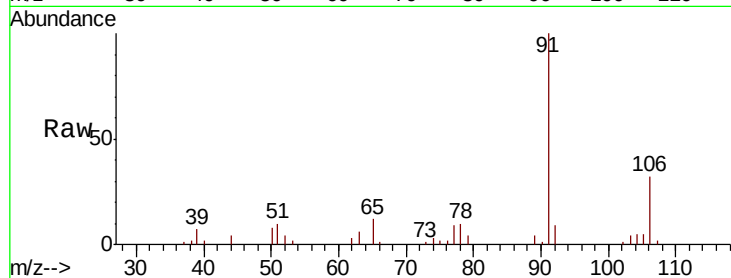
MDL-WATER-03

Tot Ion: 91 Resp: 19467

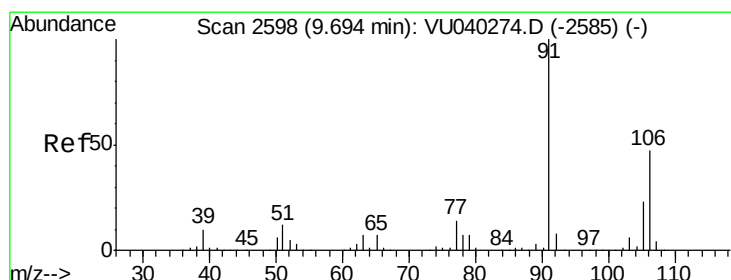
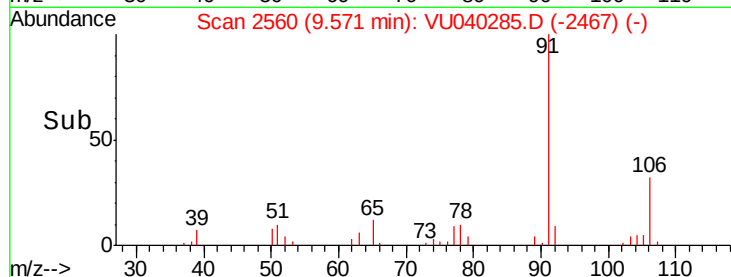
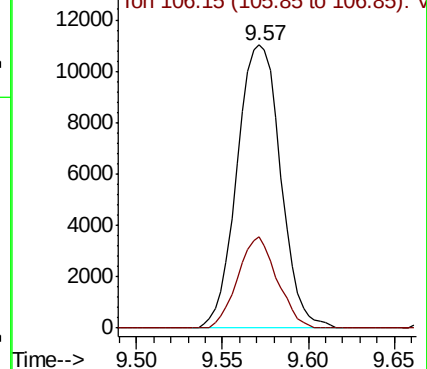
Ion Ratio Lower Upper

91 100

106 32.1 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040285.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.221 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040285.D

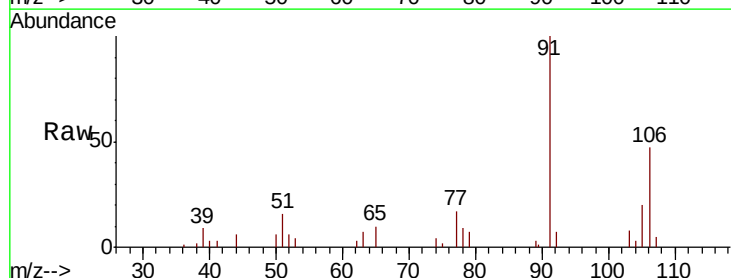
Acq: 24 Sep 2020 21:16

Tgt Ion: 106 Resp: 6270

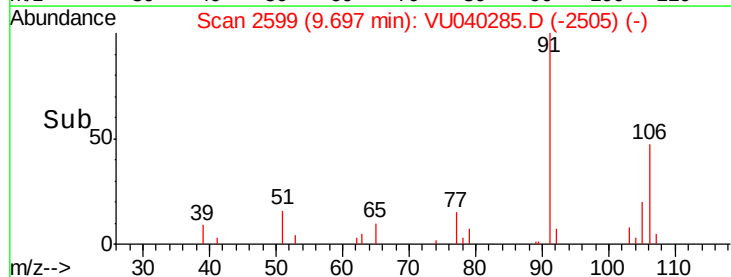
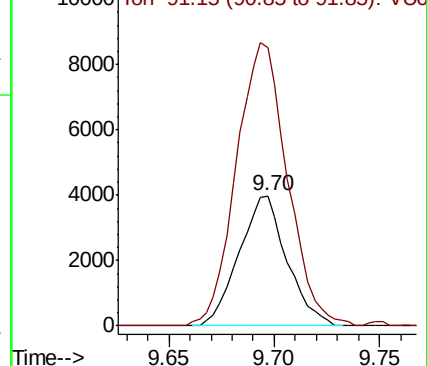
Ion Ratio Lower Upper

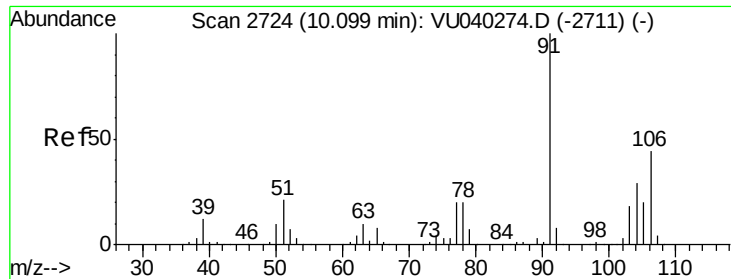
106 100

91 214.5 150.4 279.2



Abundance Ion 106.15 (105.85 to 106.85): VU040285.D (-2598) (-)

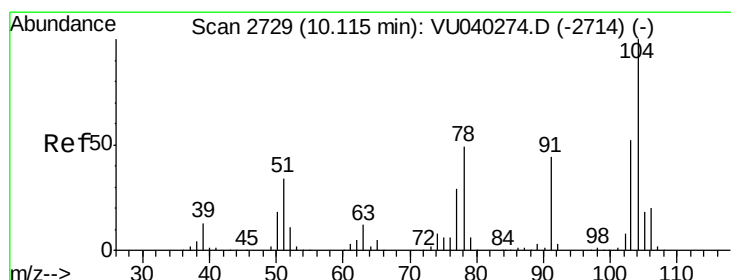
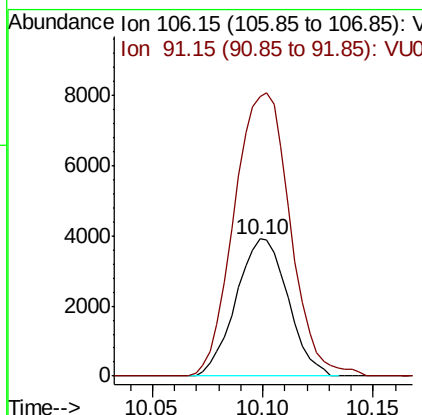
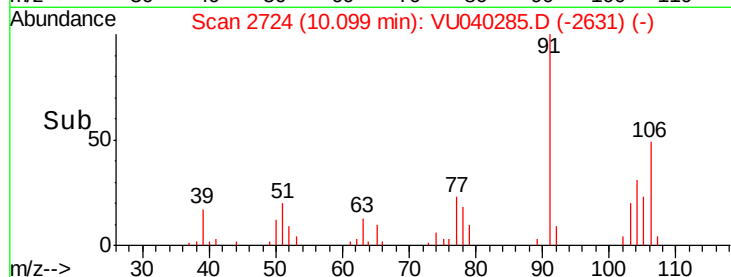
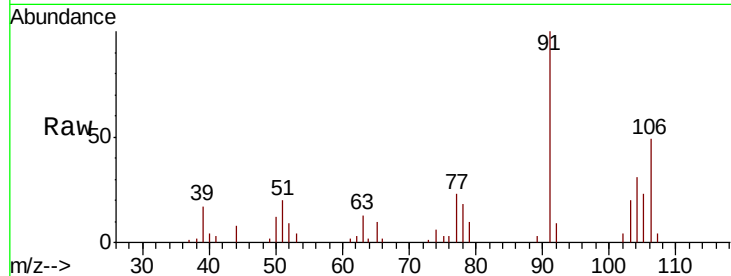




#54
o-Xylene
Concen: 0.234 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

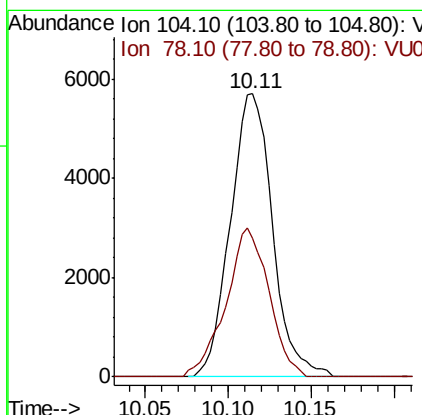
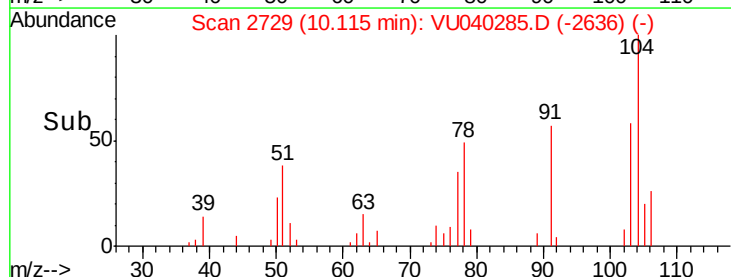
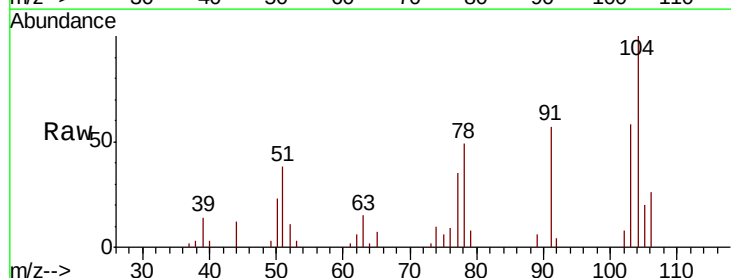
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

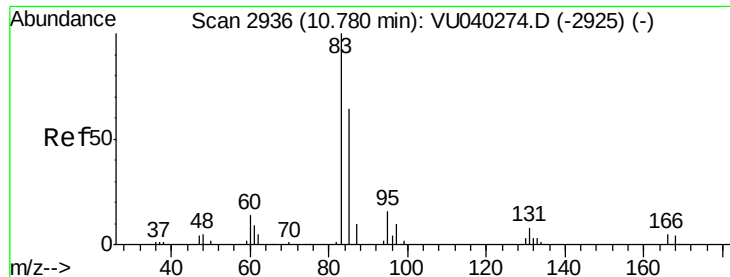
Tot Ion:106 Resp: 6405
Ion Ratio Lower Upper
106 100
91 204.0 160.5 298.1



#55
Styrene
Concen: 0.214 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040285.D
Acq: 24 Sep 2020 21:16

Tgt Ion:104 Resp: 10084
Ion Ratio Lower Upper
104 100
78 49.1 34.6 64.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.272 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

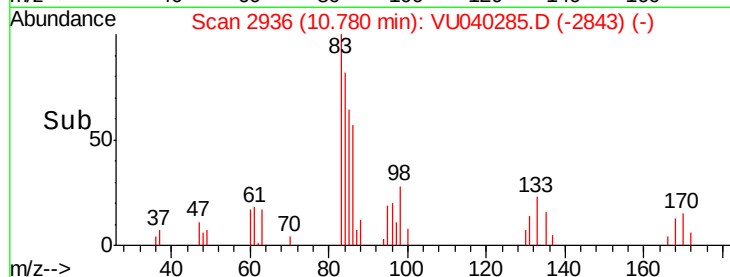
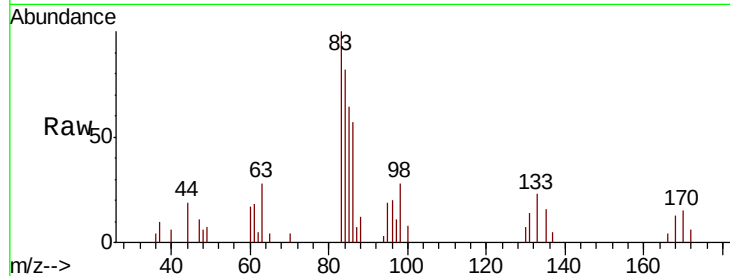
Tot Ion: 83 Resp: 4800

Ion Ratio Lower Upper

83 100

85 63.6 45.5 84.5

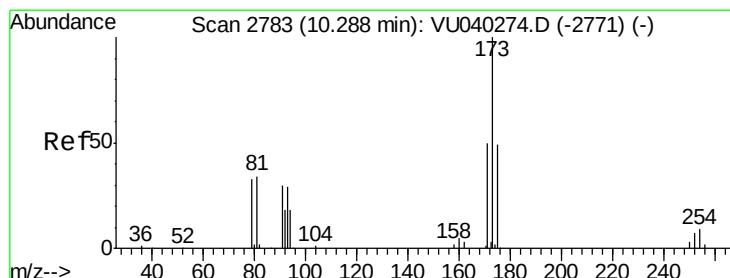
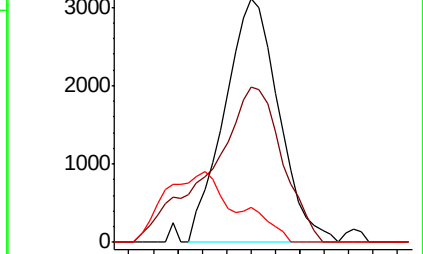
131 14.3 7.4 11.2#



Abundance Ion 82.95 (82.65 to 83.65): VU040285.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VU040285.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VU040285.D (-2843) (-)



#59

Bromoform

Concen: 0.280 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

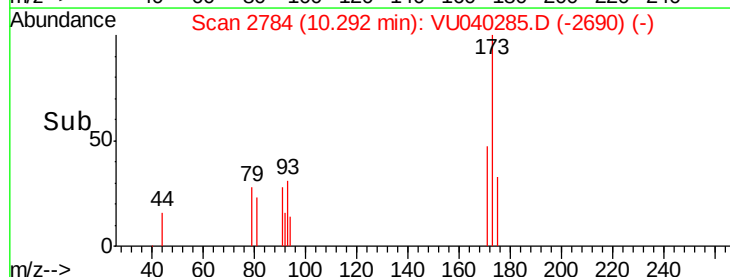
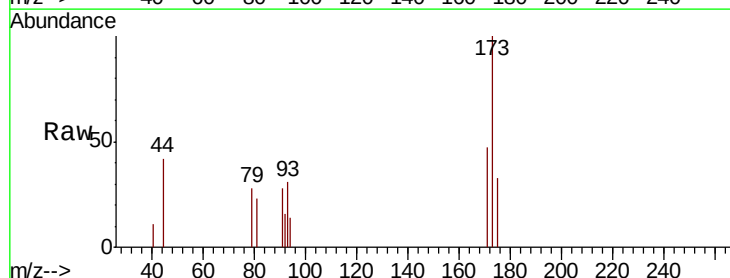
Tgt Ion: 173 Resp: 2196

Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

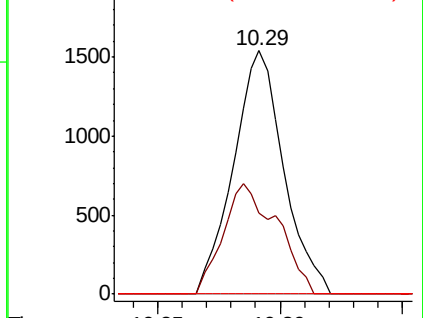
254 0.0 7.1 10.7#

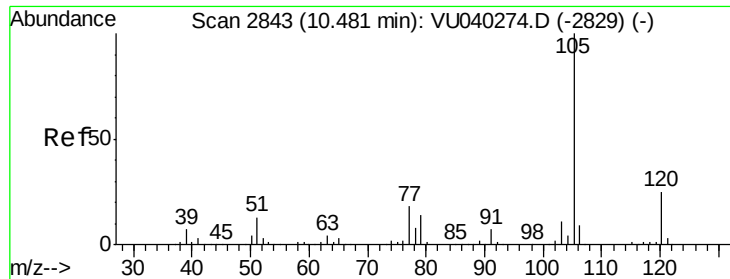


Abundance Ion 172.90 (172.60 to 173.60): VU040285.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU040285.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU040285.D (-2690) (-)





#60

Isopropylbenzene

Concen: 0.249 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

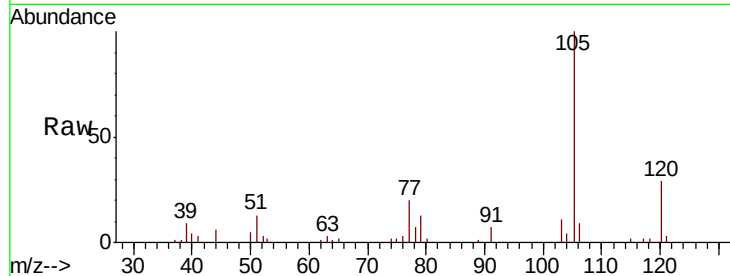
Tot Ion:105 Resp: 16784

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

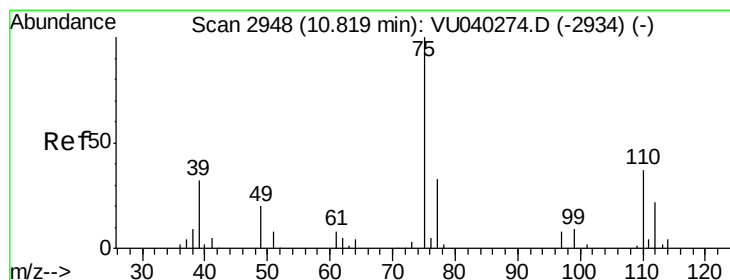
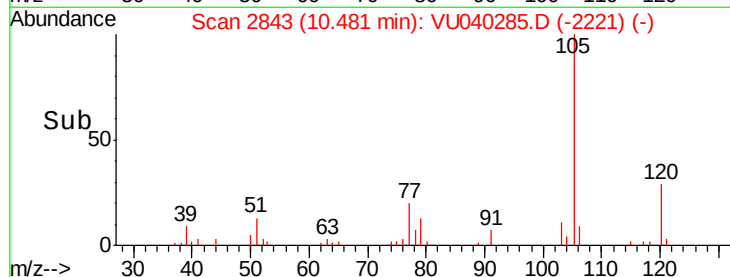
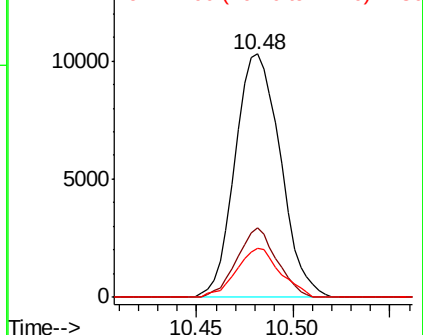
77 19.3 14.2 21.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 0.282 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

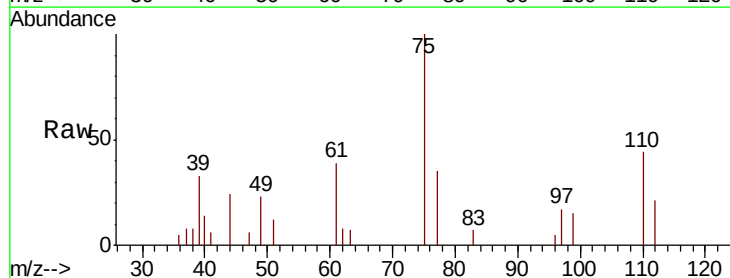
Tgt Ion: 75 Resp: 3522

Ion Ratio Lower Upper

75 100

110 43.5 29.3 43.9

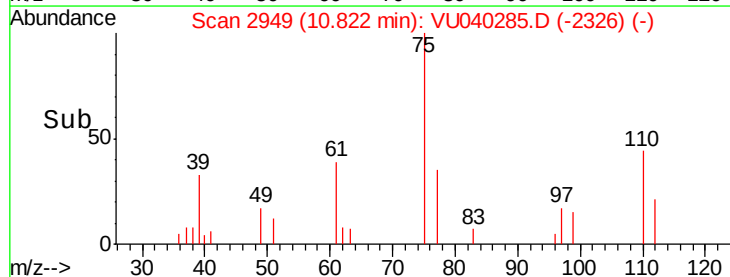
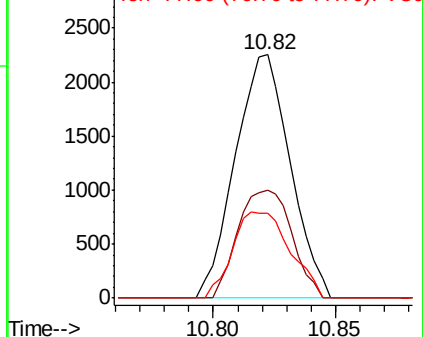
77 36.8 25.9 38.9

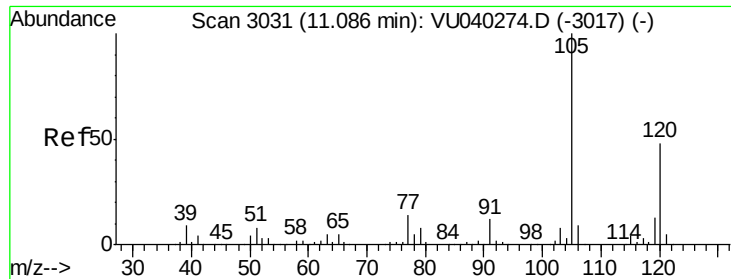


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 0.229 ug/L

RT: 11.08 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

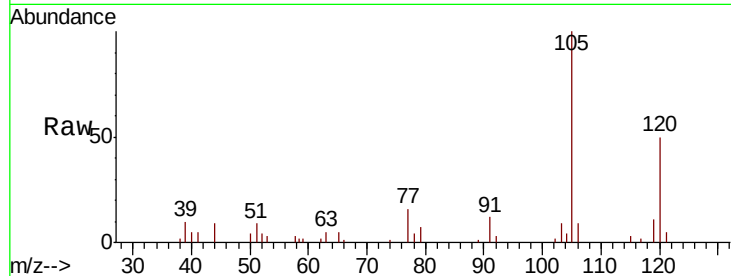
MDL-WATER-03

Tot Ion:105 Resp: 12513

Ion Ratio Lower Upper

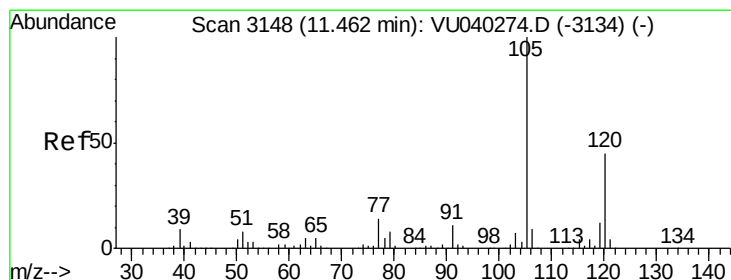
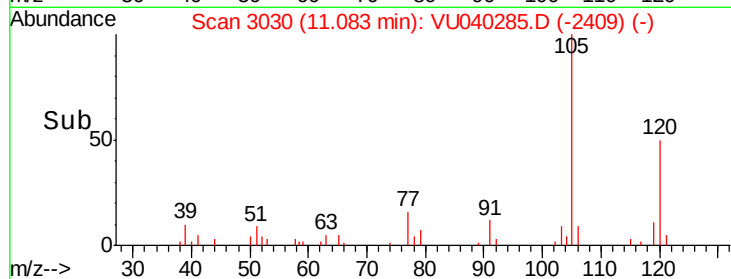
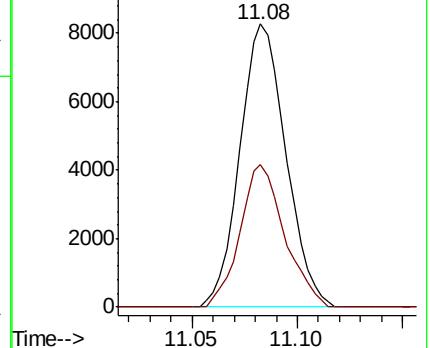
105 100

120 48.7 37.8 56.8



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: 0.233 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. 0.00 min

Lab File: VU040285.D

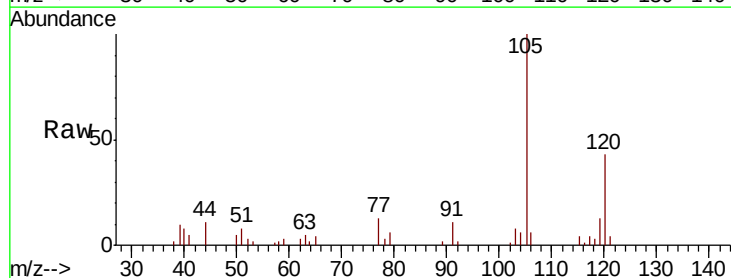
Acq: 24 Sep 2020 21:16

Tgt Ion:105 Resp: 12856

Ion Ratio Lower Upper

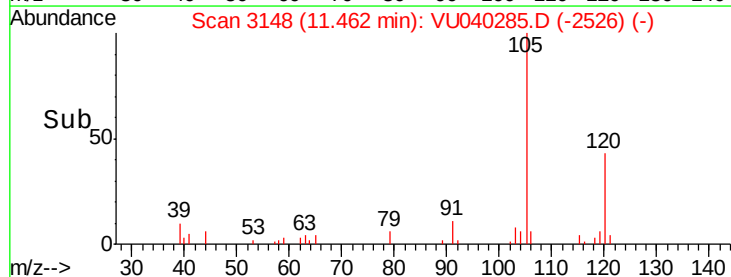
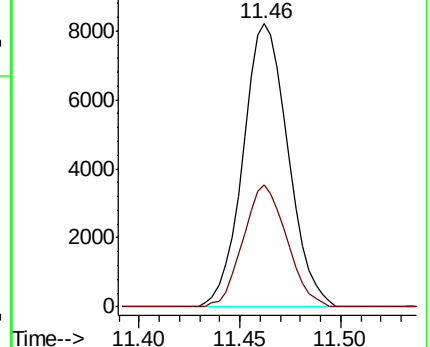
105 100

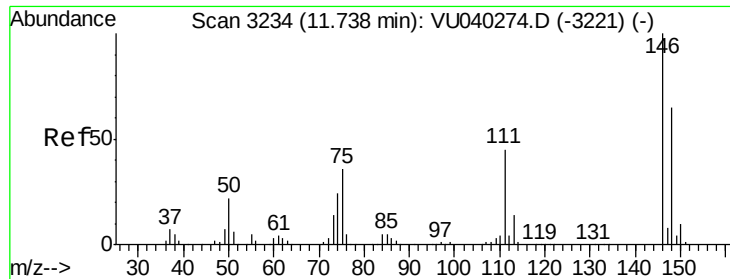
120 41.7 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

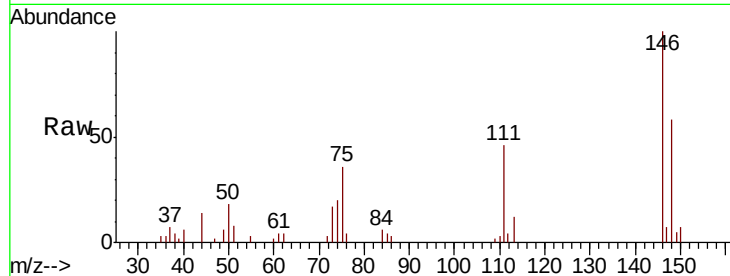




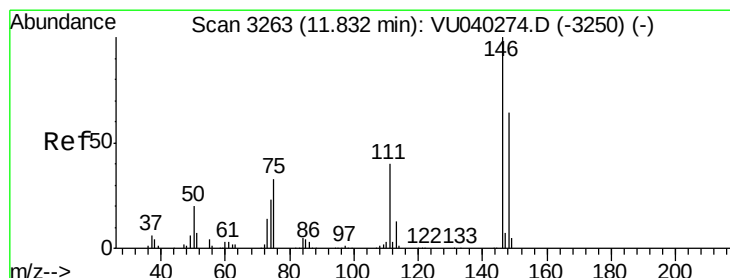
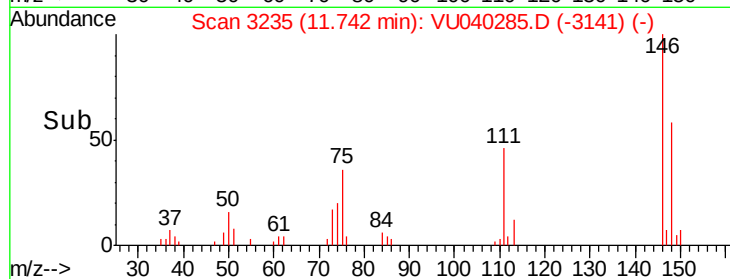
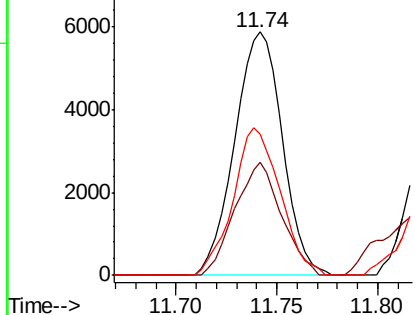
#64
 1,3-Dichlorobenzene
 Concen: 0.292 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

Tot Ion:146 Resp: 9750
 Ion Ratio Lower Upper
 146 100
 111 46.3 31.6 58.8
 148 58.0 45.1 83.9

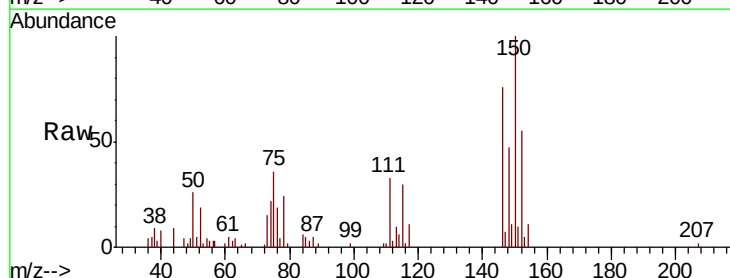


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

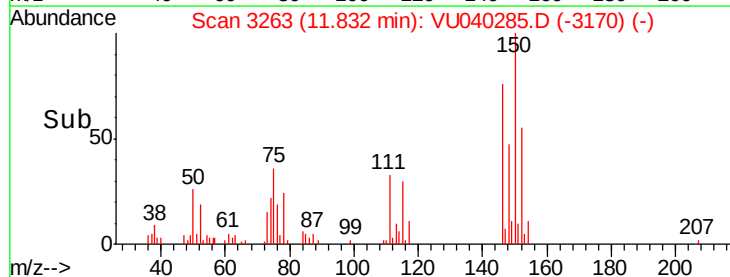
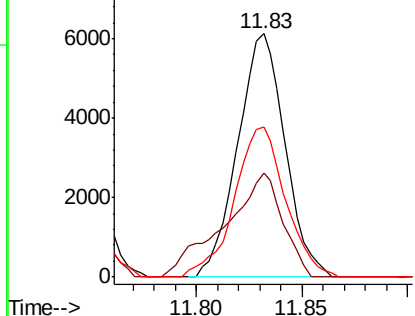


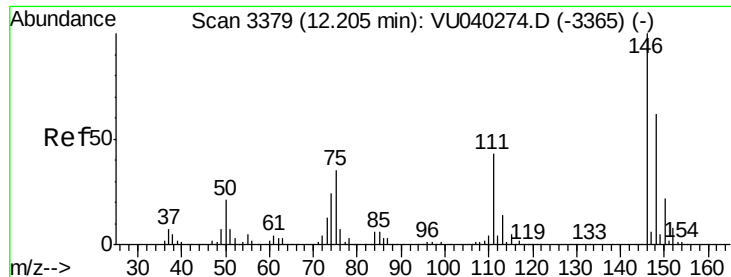
#65
 1,4-Dichlorobenzene
 Concen: 0.277 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion:146 Resp: 9537
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.2 52.4
 148 61.7 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

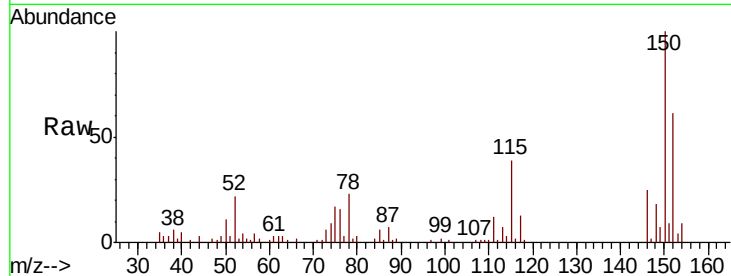




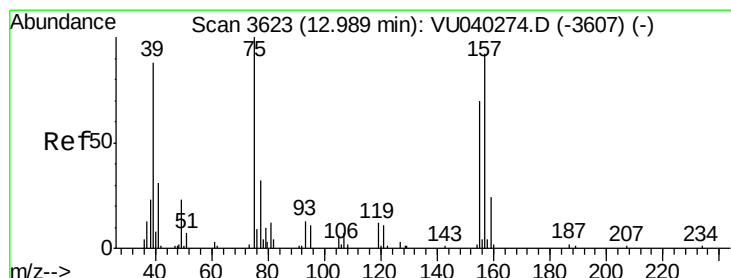
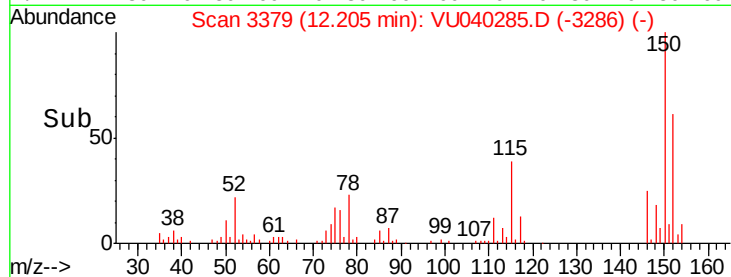
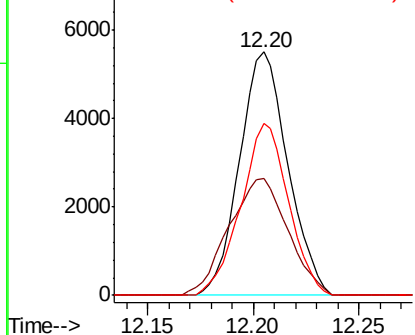
#67
 1,2-Dichlorobenzene
 Concen: 0.277 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

Tot Ion:146 Resp: 8762
 Ion Ratio Lower Upper
 146 100
 111 47.9 34.2 51.4
 148 70.8 49.4 74.2

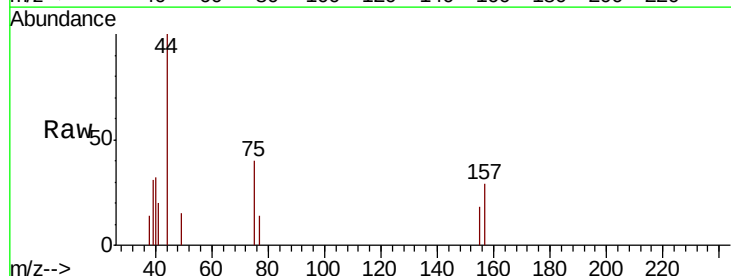


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

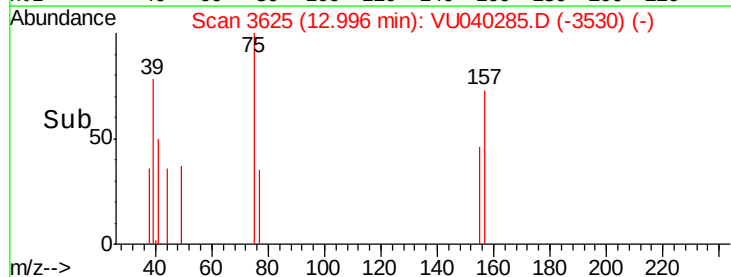
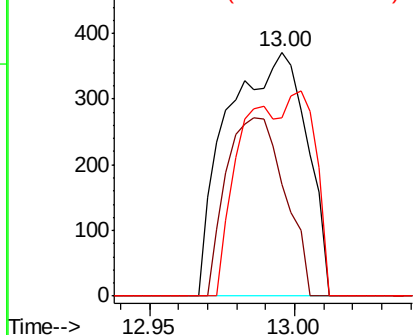


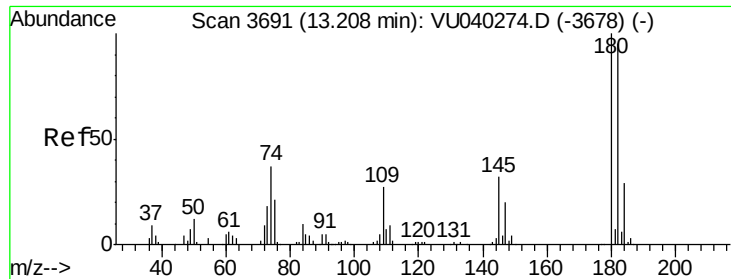
#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.241 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. 0.01 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion: 75 Resp: 705
 Ion Ratio Lower Upper
 75 100
 155 46.1 56.3 84.5#
 157 73.3 73.5 110.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

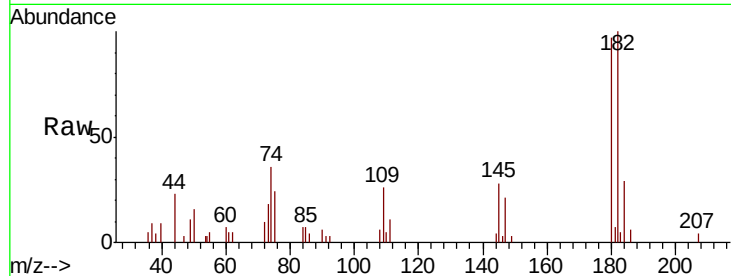




#69
 1,3,5-Trichlorobenzene
 Concen: 0.249 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.0	75.8	113.6
184	30.4	23.7	35.5
145	29.9	25.4	38.0



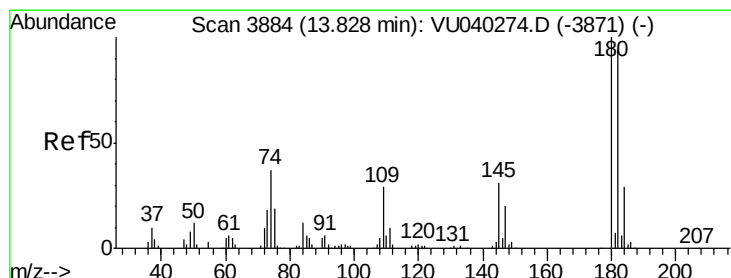
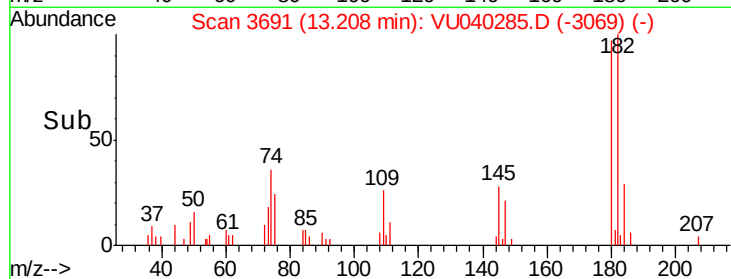
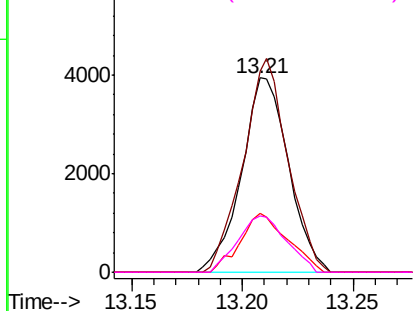
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

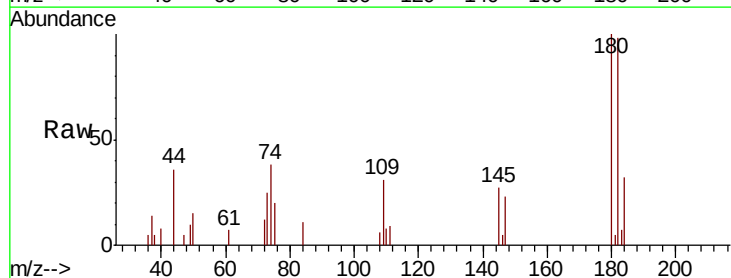
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 0.229 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040285.D
 Acq: 24 Sep 2020 21:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.3	114.5
145	29.5	25.9	38.9

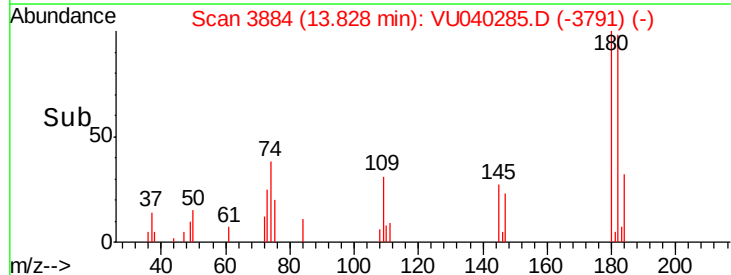
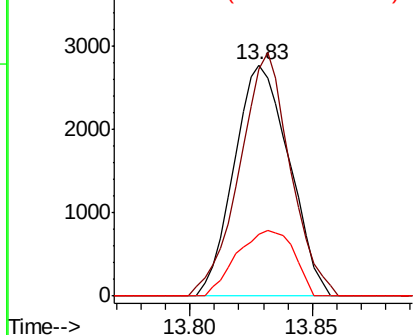


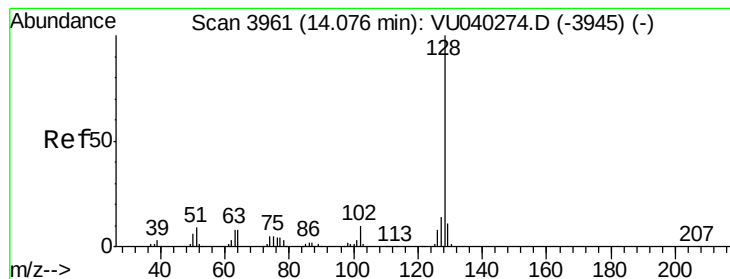
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 0.167 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

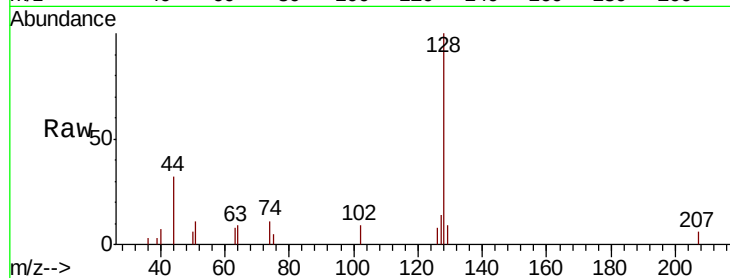
Tot Ion:128 Resp: 5497

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

127 15.4 10.6 15.8

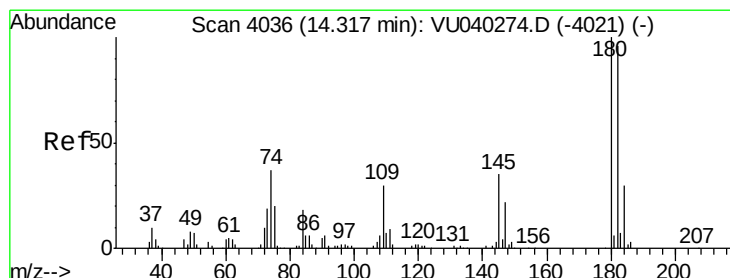
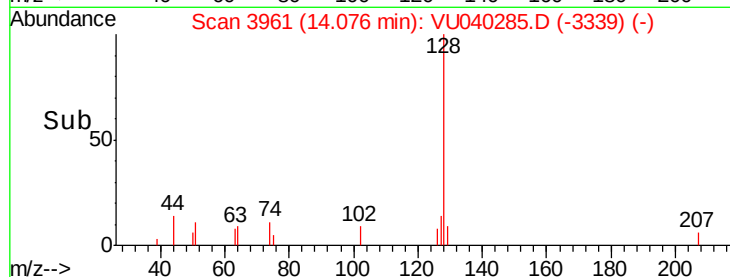
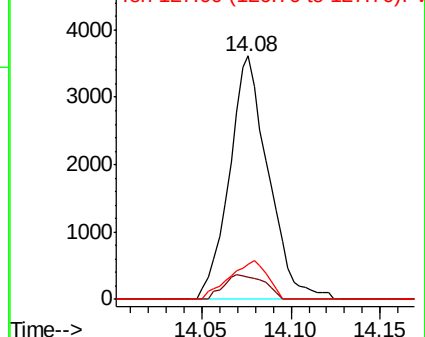


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 0.212 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040285.D

Acq: 24 Sep 2020 21:16

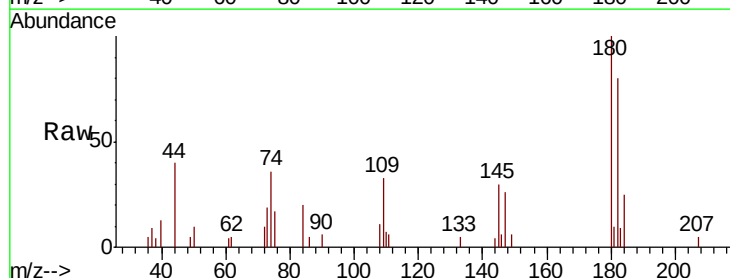
Tgt Ion:180 Resp: 3597

Ion Ratio Lower Upper

180 100

182 99.7 78.0 117.0

145 36.2 28.6 42.8



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

