

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040535.D
 Acq On : 06 Oct 2020 18:37
 Operator : SY/MD
 Sample : L4485-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-03

Quant Time: Oct 07 08:47:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	282497	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	283733	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	131439	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	113290	46.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.40%
7) Chloroethane-d5	1.92	69	89350	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.68%
11) 1,1-Dichloroethene-d2	2.58	63	166423	35.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.90%
21) 2-Butanone-d5	4.64	46	194813	101.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.18%
24) Chloroform-d	5.08	84	201179	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
26) 1,2-Dichloroethane-d4	5.72	65	143287	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.74	84	390367	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.70	67	130223	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.24%
41) Toluene-d8	7.91	98	347756	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	8.19	79	64324	47.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.96%
47) 2-Hexanone-d5	8.64	63	125488	99.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.46%
56) 1,1,2,2-Tetrachloroethane-	10.76	84	181728	46.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.96%
66) 1,2-Dichlorobenzene-d4	12.19	152	134043	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	6909	2.540	ug/L	97
3) Chloromethane	1.53	50	7292	2.551	ug/L	99
5) Vinyl chloride	1.61	62	6906	2.440	ug/L #	50
6) Bromomethane	1.86	94	3525	2.373	ug/L	98
8) Chloroethane	1.94	64	3893	2.280	ug/L	95
9) Trichlorofluoromethane	2.15	101	8788	2.421	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6707	3.099	ug/L #	85
12) 1,1-Dichloroethene	2.59	96	6325	3.161	ug/L #	1
13) Acetone	2.64	43	7815	4.226	ug/L	98
14) Carbon disulfide	2.81	76	15985	2.327	ug/L	95
15) Methyl Acetate	2.96	43	7683	2.547	ug/L	94
16) Methylene chloride	3.06	84	6270	2.642	ug/L	89
17) trans-1,2-Dichloroethene	3.37	96	5111	2.398	ug/L	86
18) Methyl tert-butyl Ether	3.38	73	15352	2.290	ug/L #	92
19) 1,1-Dichloroethane	3.88	63	10566m	2.486	ug/L	
20) cis-1,2-Dichloroethene	4.69	96	5248	2.285	ug/L	91
22) 2-Butanone	4.72	43	10058	4.264	ug/L	91

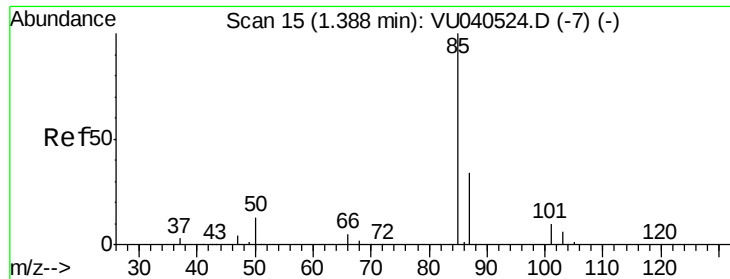
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 08:04:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	2579	2.155	ug/L	86
25) Chloroform	5.11	83	13718	3.165	ug/L	98
27) 1,2-Dichloroethane	5.81	62	9635	2.694	ug/L	97
29) Cyclohexane	5.40	56	8744	2.302	ug/L #	70
30) 1,1,1-Trichloroethane	5.33	97	8880	2.437	ug/L	97
31) Carbon tetrachloride	5.54	117	6733	2.137	ug/L	90
33) Benzene	5.79	78	22085	2.408	ug/L	100
34) Trichloroethene	6.56	95	5620	2.379	ug/L	97
35) Methylcyclohexane	6.78	83	8165	2.273	ug/L #	87
37) 1,2-Dichloropropane	6.80	63	6201	2.462	ug/L #	96
38) Bromodichloromethane	7.11	83	7999	2.445	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	8345	2.261	ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	17260	4.343	ug/L	98
42) Toluene	7.98	91	22913	2.447	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	8432	2.269	ug/L	87
45) 1,1,2-Trichloroethane	8.40	97	5519	2.446	ug/L	93
46) Tetrachloroethene	8.56	164	4206	2.464	ug/L	96
48) 2-Hexanone	8.69	43	17231	5.335	ug/L	97
49) Dibromochloromethane	8.82	129	5789	2.350	ug/L	91
50) 1,2-Dibromoethane	8.93	107	5923	2.477	ug/L #	97
51) Chlorobenzene	9.45	112	14408	2.346	ug/L	91
52) Ethylbenzene	9.57	91	23059	2.219	ug/L	96
53) m,p-Xylene	9.70	106	8177	2.137	ug/L	77
54) o-xylene	10.10	106	7433	2.041	ug/L	89
55) Styrene	10.11	104	12332	1.923	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.78	83	9913	2.485	ug/L #	98
59) Bromoform	10.29	173	3655	2.269	ug/L #	92
60) 1,2,3-Trichloropropane	10.82	75	7765	2.601	ug/L	97
61) Isopropylbenzene	10.48	105	19296	2.186	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	14549	2.006	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	13195	1.794	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	10030	2.330	ug/L	91
65) 1,4-Dichlorobenzene	11.83	146	11019	2.438	ug/L	95
67) 1,2-Dichlorobenzene	12.21	146	11796	2.736	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.00	75	2112	2.518	ug/L	95
69) 1,3,5-Trichlorobenzene	13.21	180	6823	2.419	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	4924	2.015	ug/L	89
71) Naphthalene	14.08	128	9729	1.288	ug/L	98
72) 1,2,3-Trichlorobenzene	14.33	180	4578	1.887	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.540 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

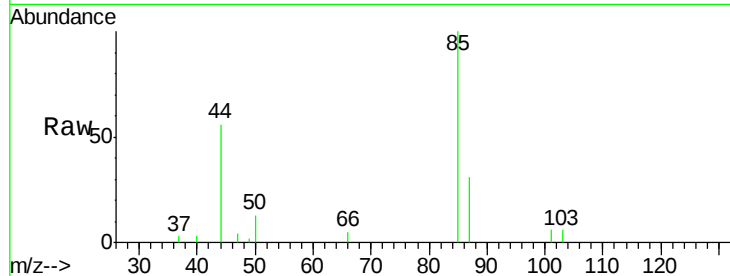
MDL-WATER-03

Tot Ion: 85 Resp: 6909

Ion Ratio Lower Upper

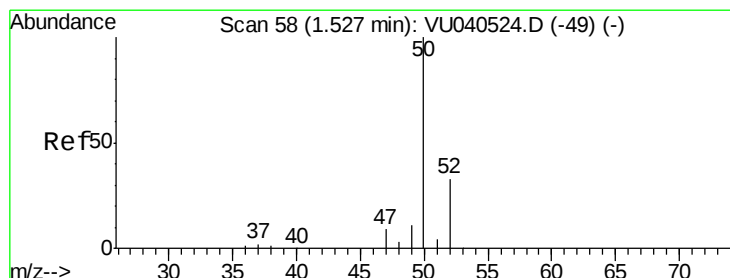
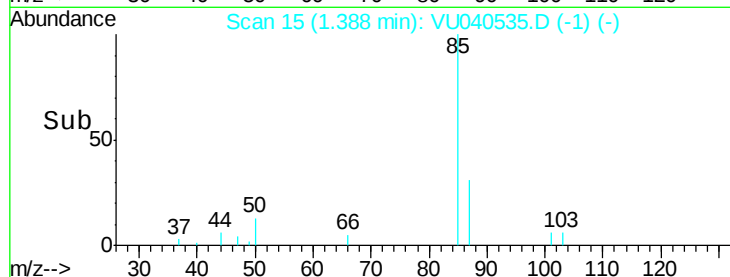
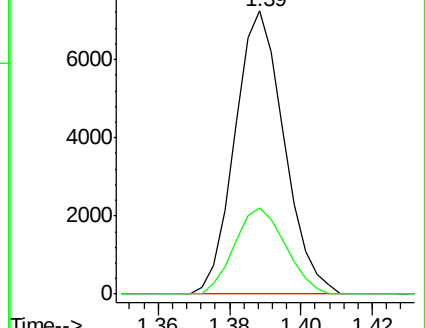
85 100

87 31.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040524.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040524.D (-7) (-)



#3

Chloromethane

Concen: 2.551 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040535.D

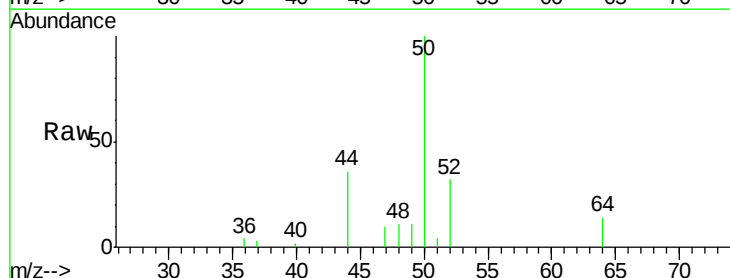
Acq: 06 Oct 2020 18:37

Tgt Ion: 50 Resp: 7292

Ion Ratio Lower Upper

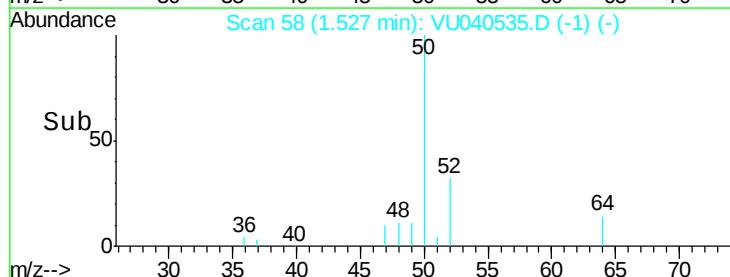
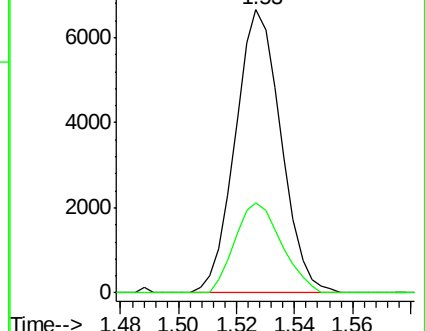
50 100

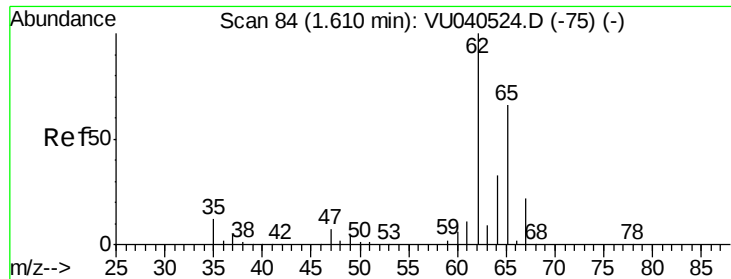
52 31.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU040524.D (-49) (-)

Ion 52.00 (51.70 to 52.70): VU040524.D (-49) (-)





#5

Vinyl chloride

Concen: 2.440 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

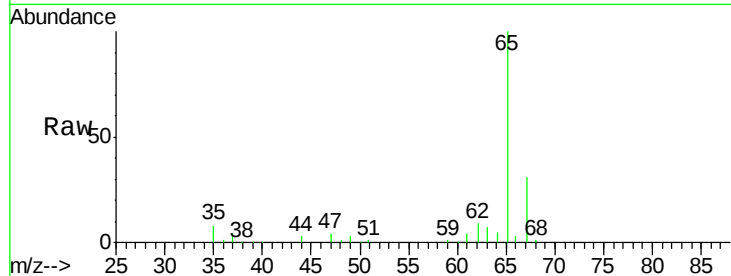
MDL-WATER-03

Tot Ion: 62 Resp: 6906

Ion Ratio Lower Upper

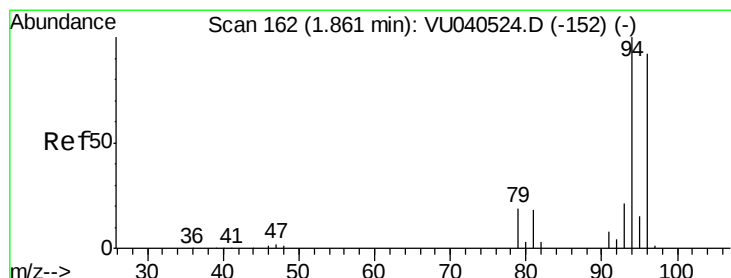
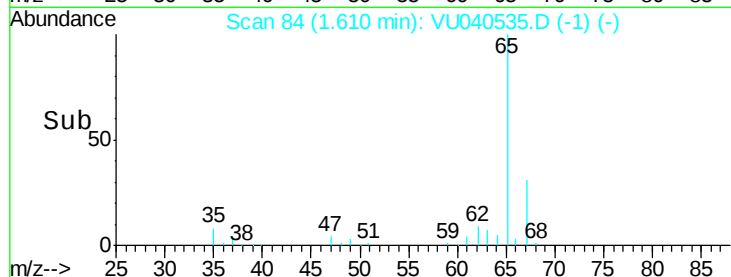
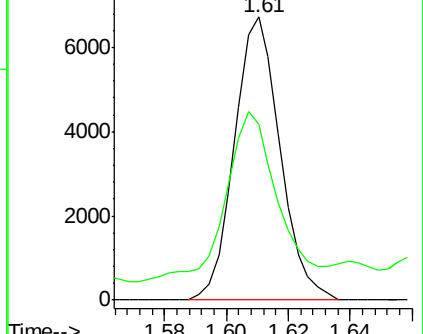
62 100

64 62.2 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: 2.373 ug/L

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU040535.D

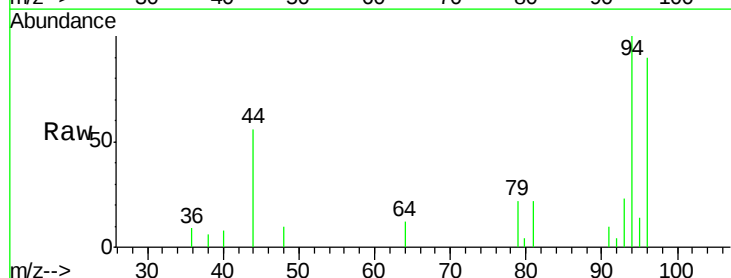
Acq: 06 Oct 2020 18:37

Tgt Ion: 94 Resp: 3525

Ion Ratio Lower Upper

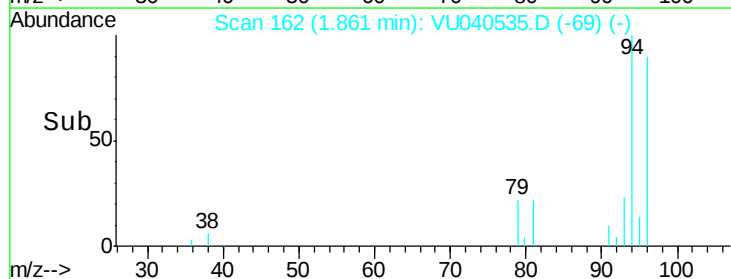
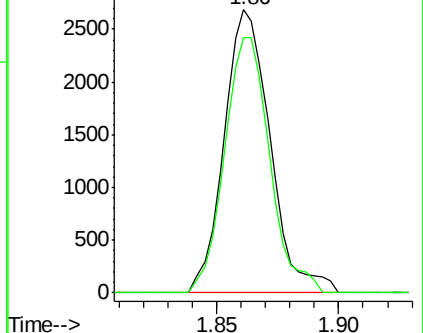
94 100

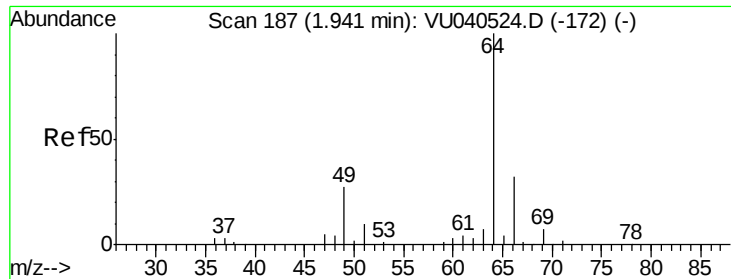
96 90.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

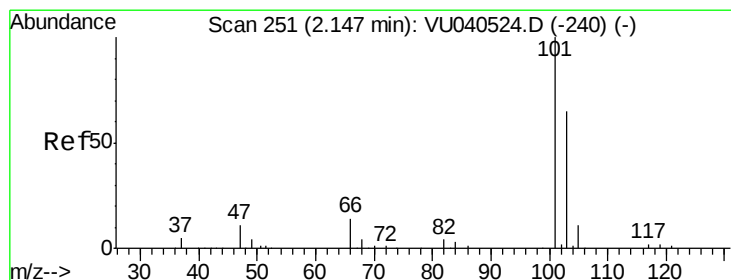
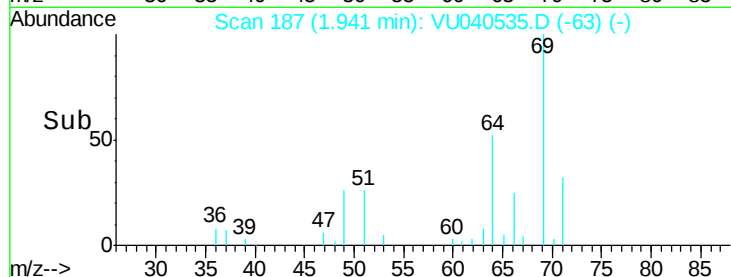
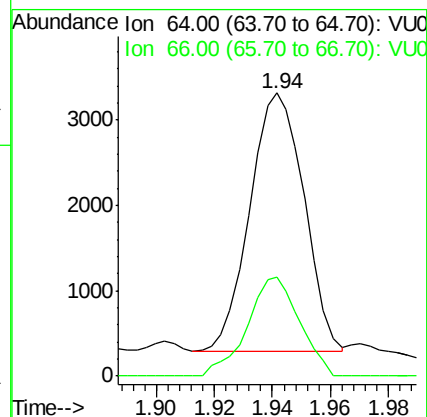
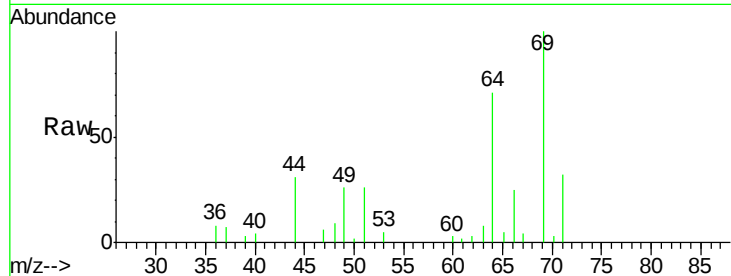




#8
Chloroethane
Concen: 2.280 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

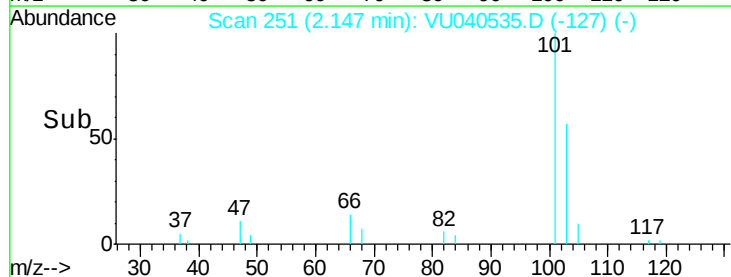
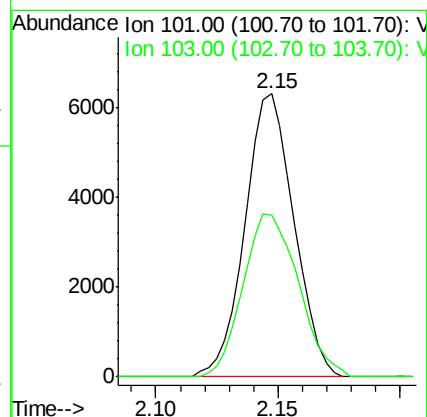
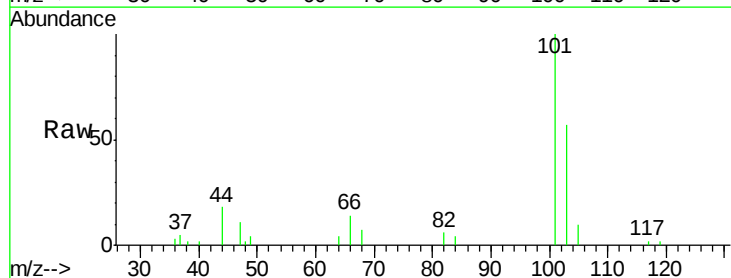
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

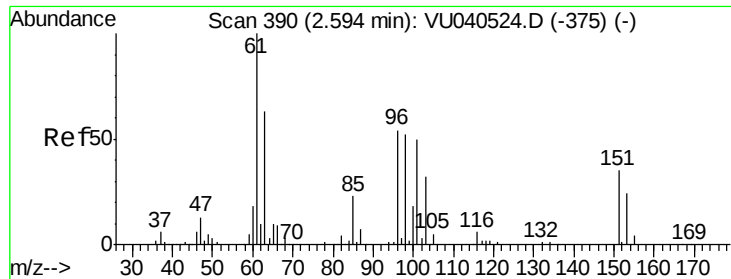
Tot Ion: 64 Resp: 3893
Ion Ratio Lower Upper
64 100
66 34.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.421 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion: 101 Resp: 8788
Ion Ratio Lower Upper
101 100
103 65.3 52.1 78.1





#10

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

Concen: 3.099 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

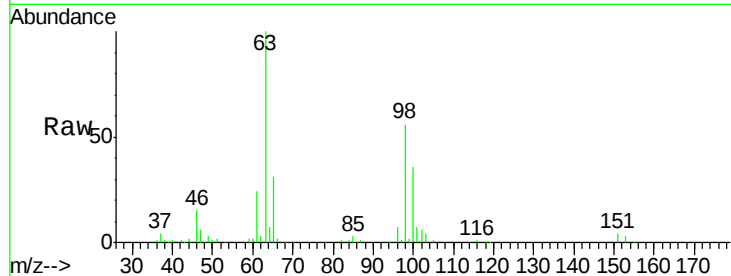
Tot Ion:101 Resp: 6707

Ion Ratio Lower Upper

101 100

85 40.0 35.4 53.2

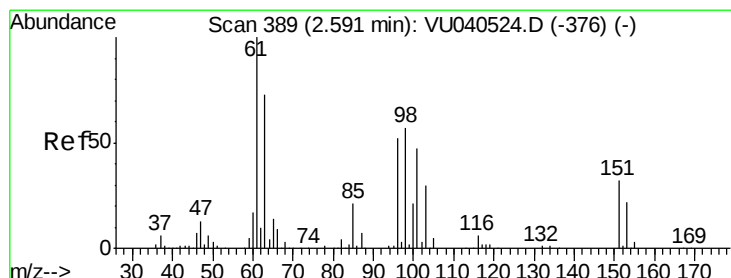
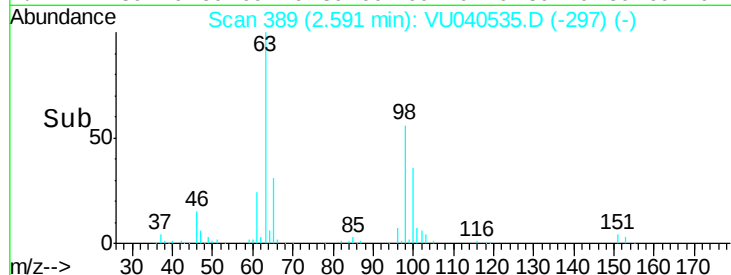
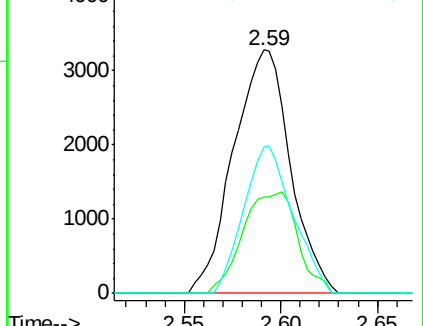
151 52.3 54.8 82.2#



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: 3.161 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

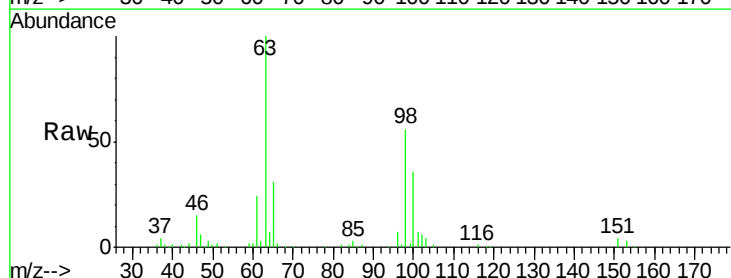
Tgt Ion: 96 Resp: 6325

Ion Ratio Lower Upper

96 100

61 328.1 135.0 250.8#

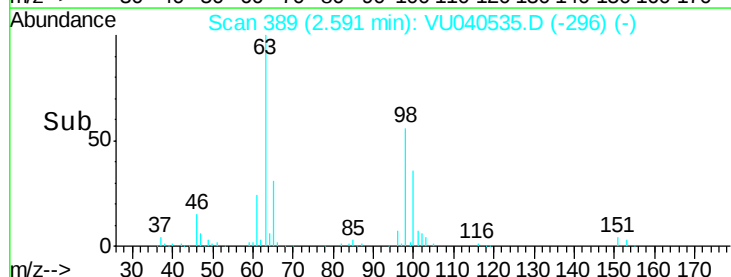
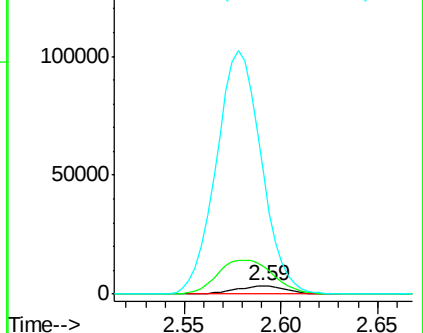
63 1390.7 101.4 188.2#

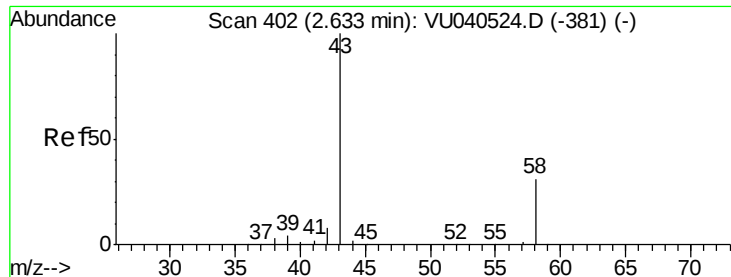


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.226 ug/L

RT: 2.64 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

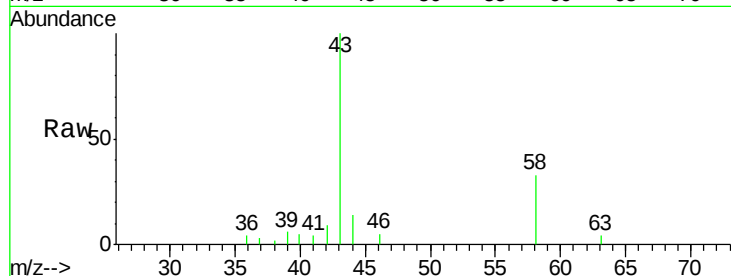
MDL-WATER-03

Tot Ion: 43 Resp: 7815

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.2

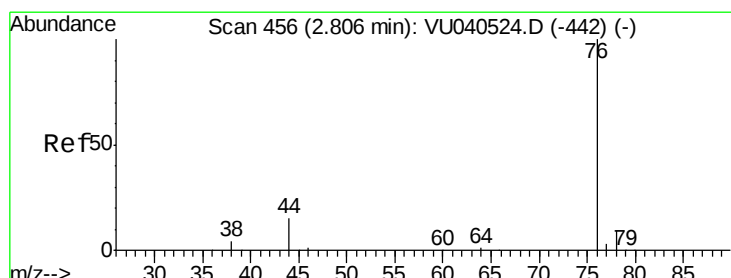
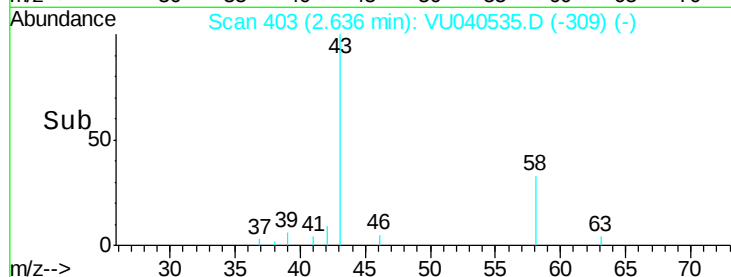


Abundance Ion 43.00 (42.70 to 43.70): VU040524.D (-381) (-)

Ion 58.00 (57.70 to 58.70): VU040524.D (-381) (-)

2.64

Time-->



#14

Carbon disulfide

Concen: 2.327 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040535.D

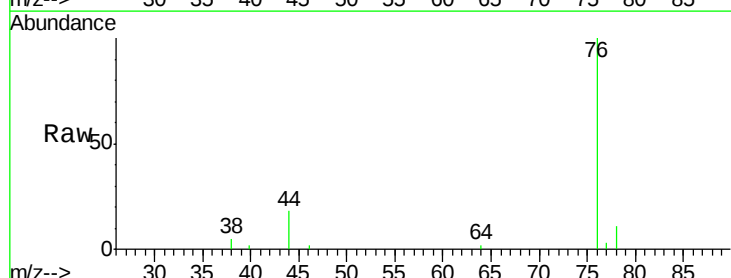
Acq: 06 Oct 2020 18:37

Tgt Ion: 76 Resp: 15985

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0

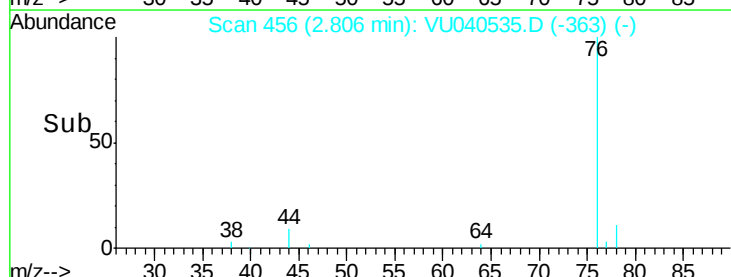


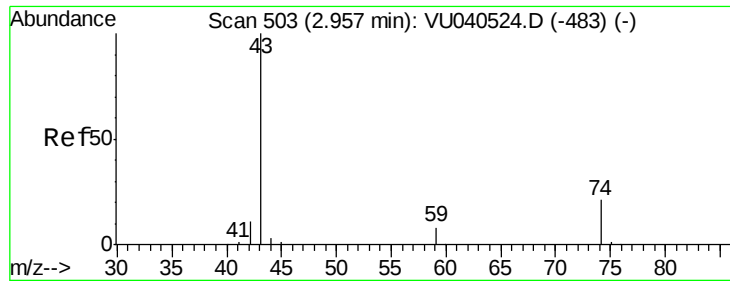
Abundance Ion 76.00 (75.70 to 76.70): VU040524.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040524.D (-442) (-)

2.81

Time-->

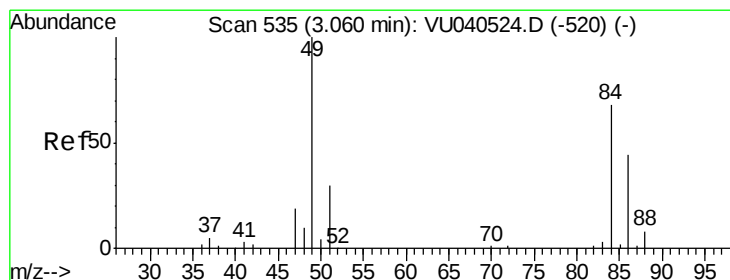
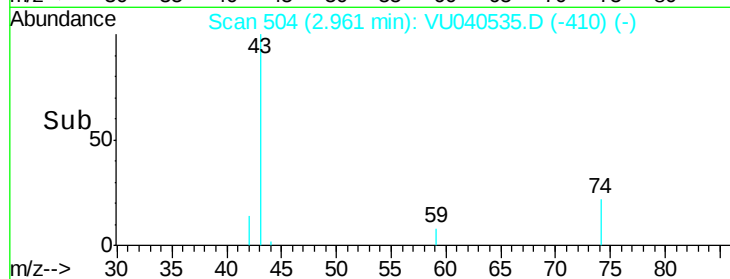
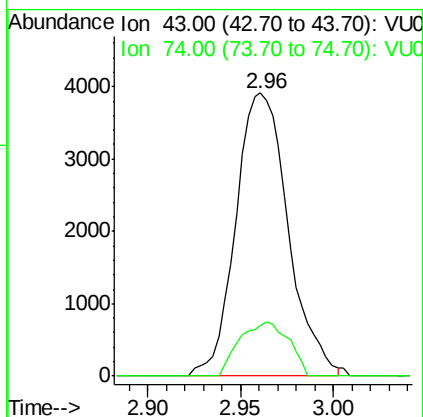
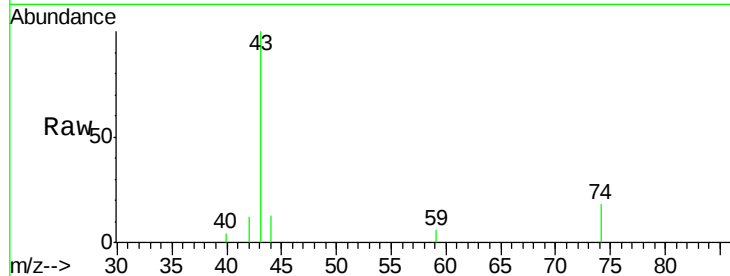




#15
Methyl Acetate
Concen: 2.547 ug/L
RT: 2.96 min Scan# 504
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

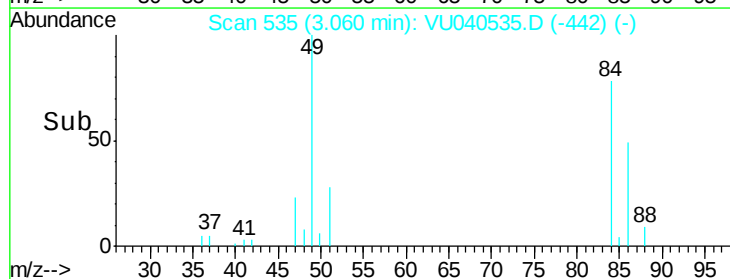
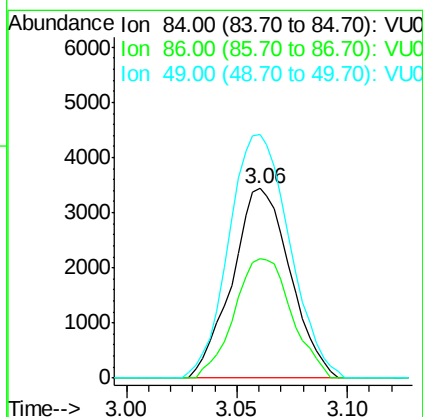
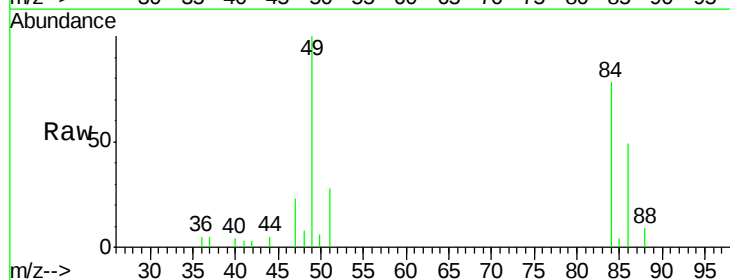
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

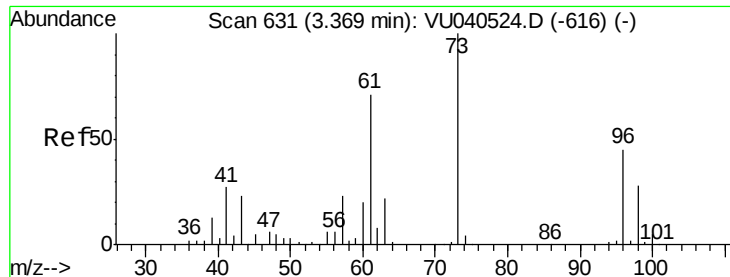
Tot Ion: 43 Resp: 7683
Ion Ratio Lower Upper
43 100
74 17.9 16.4 24.6



#16
Methylene chloride
Concen: 2.642 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion: 84 Resp: 6270
Ion Ratio Lower Upper
84 100
86 62.8 45.4 84.4
49 128.5 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 2.398 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

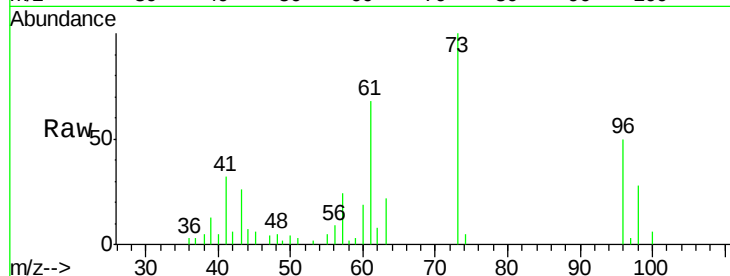
Tot Ion: 96 Resp: 5111

Ion Ratio Lower Upper

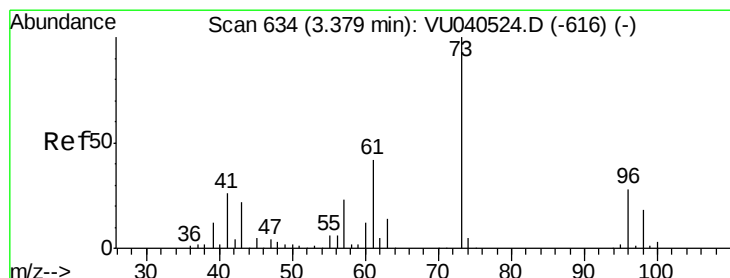
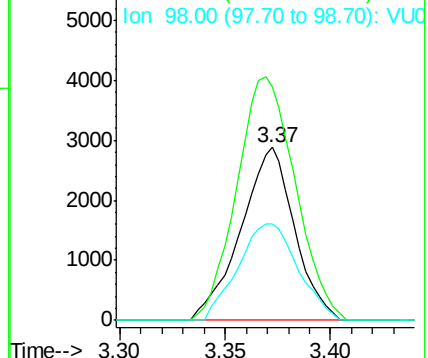
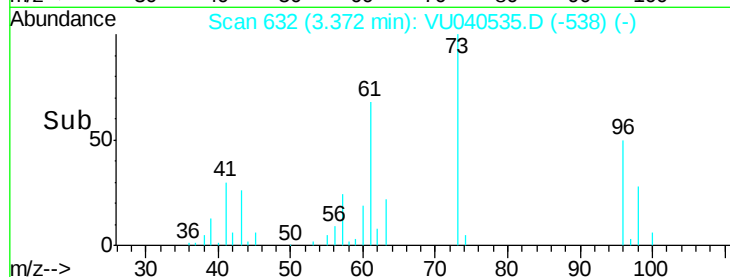
96 100

61 134.8 109.6 203.6

98 56.0 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040535.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 2.290 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

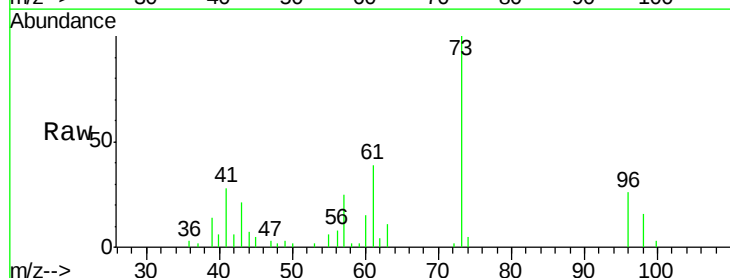
Tgt Ion: 73 Resp: 15352

Ion Ratio Lower Upper

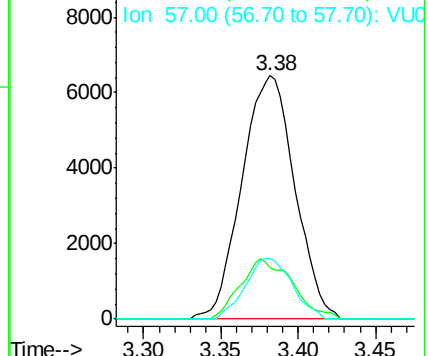
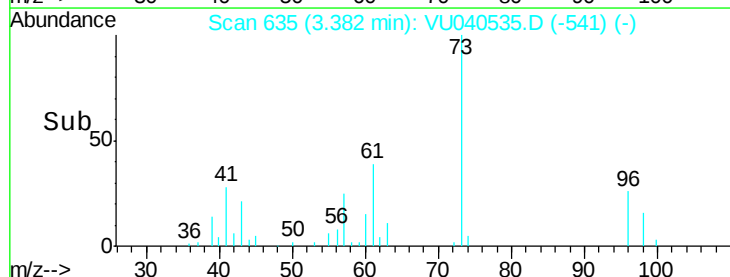
73 100

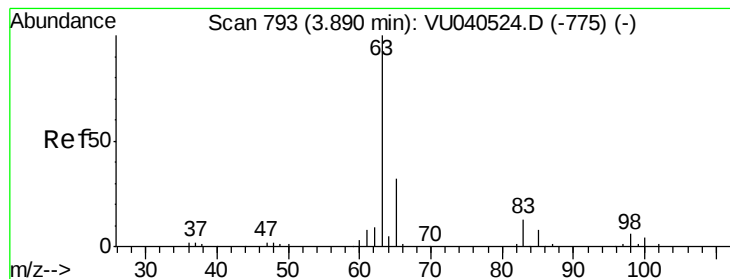
43 15.7 18.2 27.2#

57 22.0 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VU040535.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 2.486 ug/L m

RT: 3.88 min Scan# 791

Delta R.T. -0.01 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03

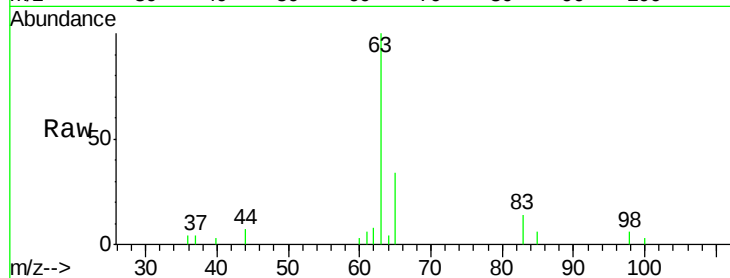
Tot Ion: 63 Resp: 10566

Ion Ratio Lower Upper

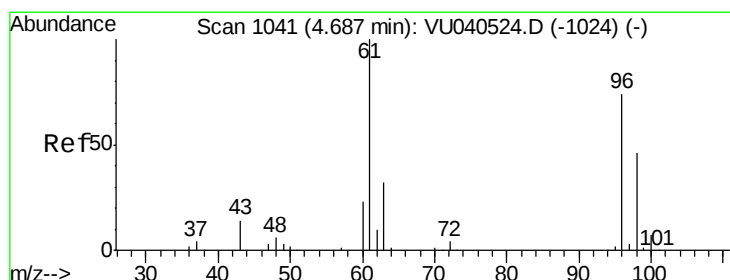
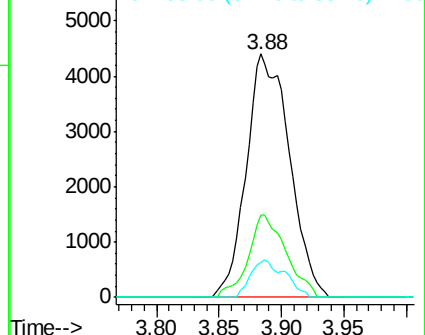
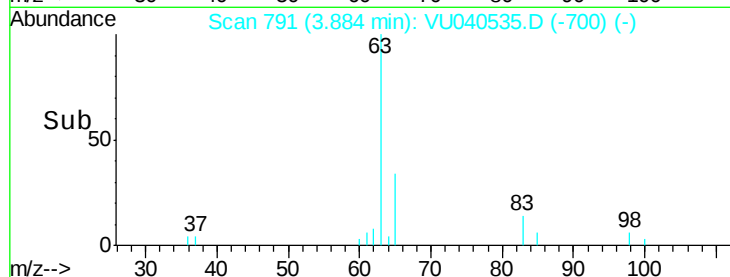
63 100

65 33.8 22.6 42.0

83 14.3 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU040535.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.285 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

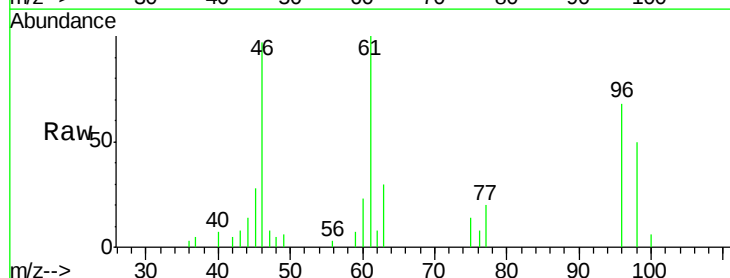
Tgt Ion: 96 Resp: 5248

Ion Ratio Lower Upper

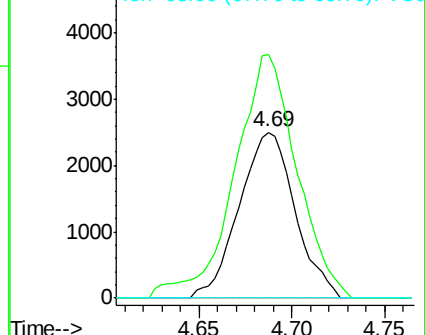
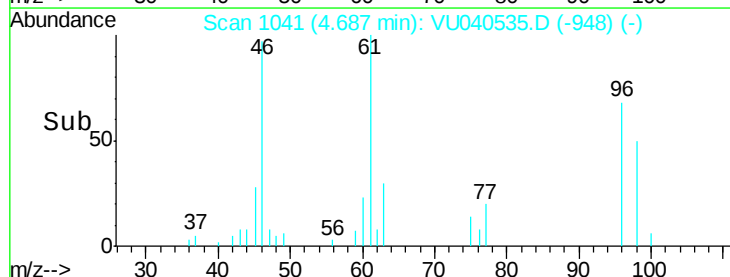
96 100

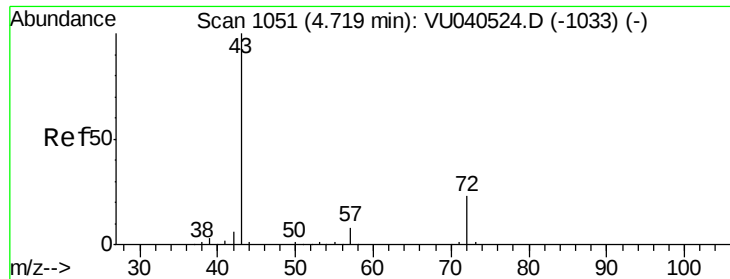
61 147.0 95.7 177.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040535.D (-948) (-)





#22

2-Butanone

Concen: 4.264 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

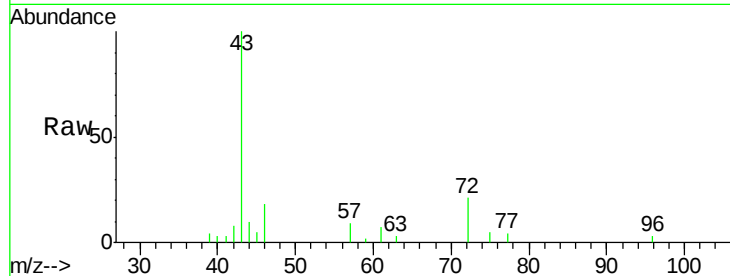
MDL-WATER-03

Tot Ion: 43 Resp: 10058

Ion Ratio Lower Upper

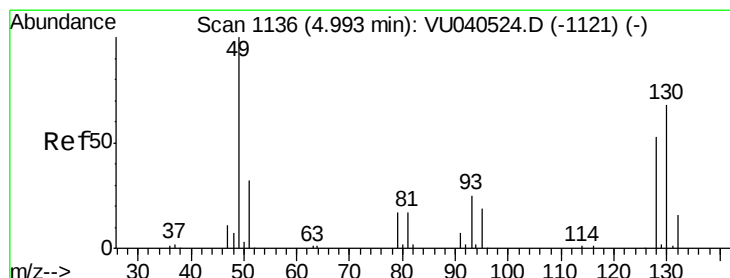
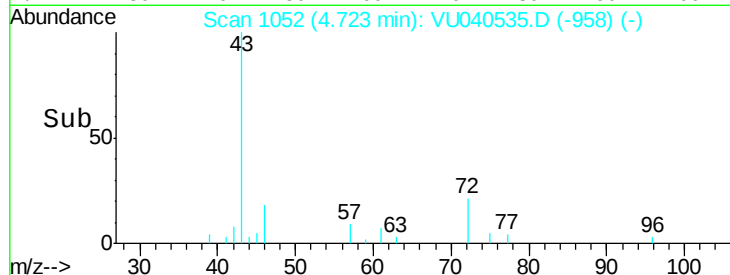
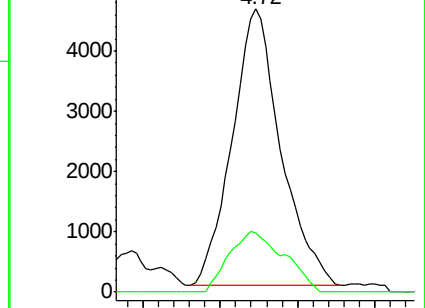
43 100

72 19.7 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040524.D (-1033) (-)

Ion 72.00 (71.70 to 72.70): VU040524.D (-1033) (-)



#23

Bromochloromethane

Concen: 2.155 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Tgt Ion: 128 Resp: 2579

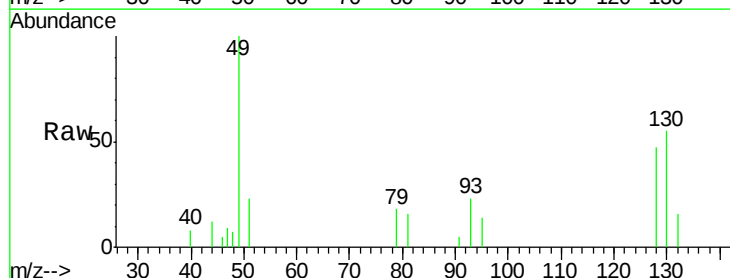
Ion Ratio Lower Upper

128 100

49 213.7 133.1 247.3

130 116.6 90.5 168.1

51 49.5 48.4 72.6

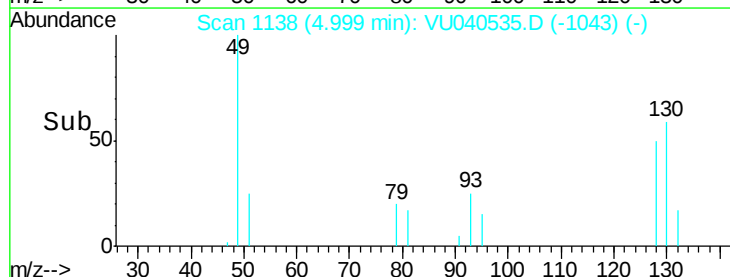
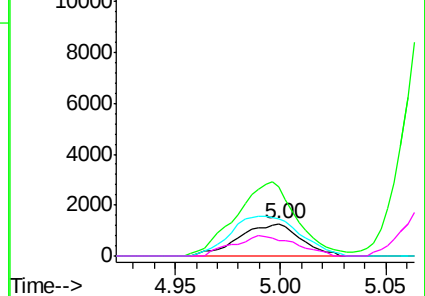


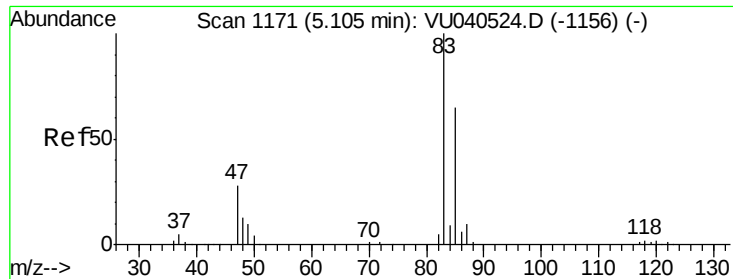
Abundance Ion 128.00 (127.70 to 128.70): VU040524.D (-1121) (-)

Ion 49.00 (48.70 to 49.70): VU040524.D (-1121) (-)

Ion 130.00 (129.70 to 130.70): VU040524.D (-1121) (-)

Ion 51.00 (50.70 to 51.70): VU040524.D (-1121) (-)

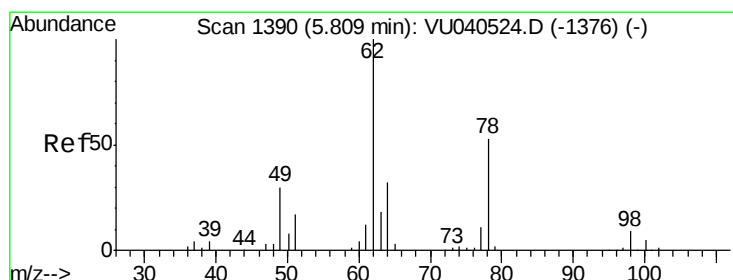
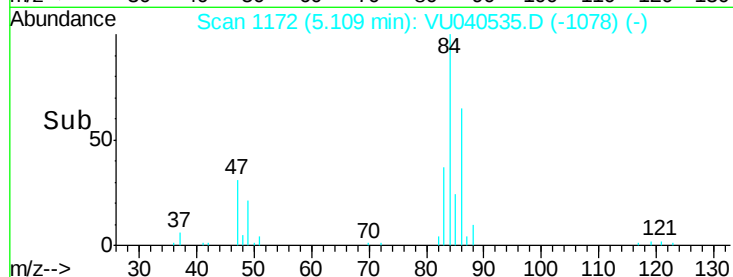
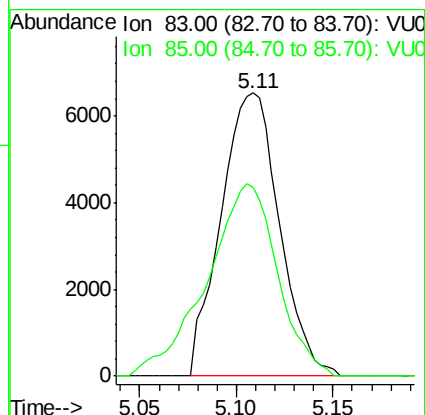
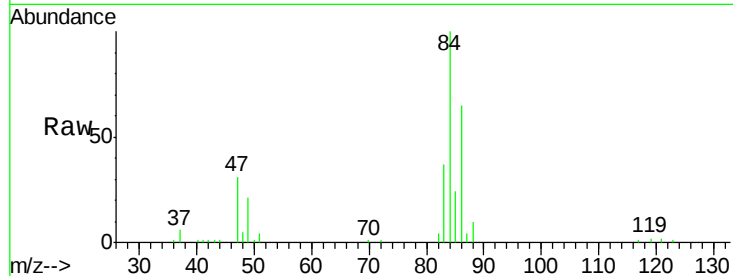




#25
Chloroform
Concen: 3.165 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

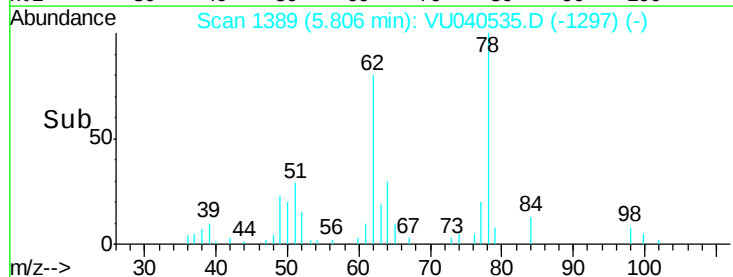
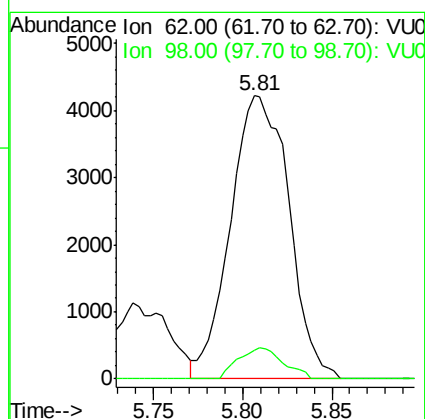
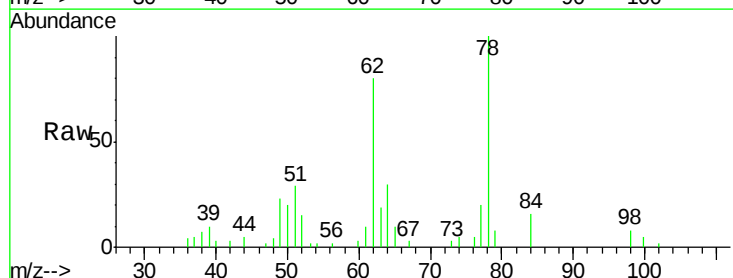
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

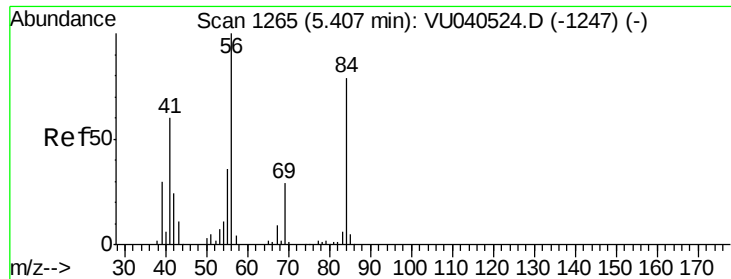
Tot Ion: 83 Resp: 13718
Ion Ratio Lower Upper
83 100
85 66.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.694 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion: 62 Resp: 9635
Ion Ratio Lower Upper
62 100
98 10.0 7.1 10.7

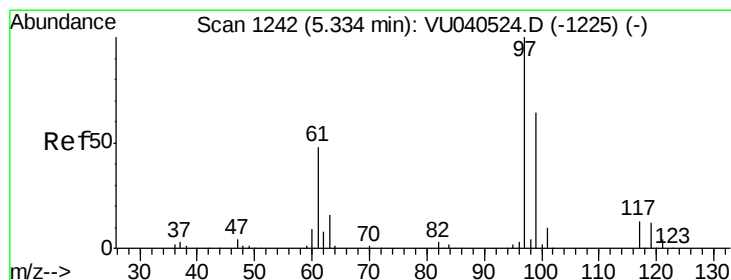
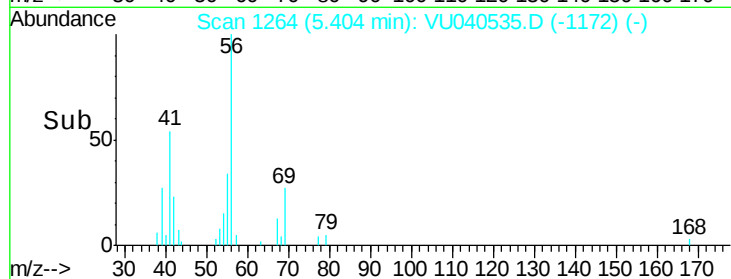
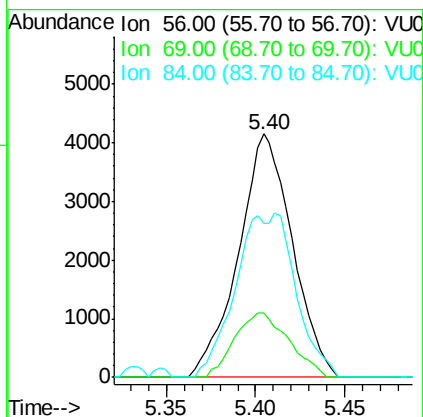
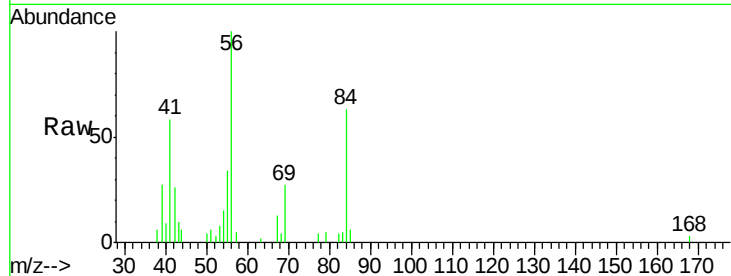




#29
Cyclohexane
Concen: 2.302 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

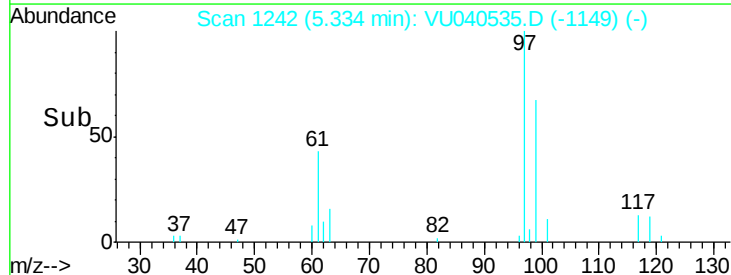
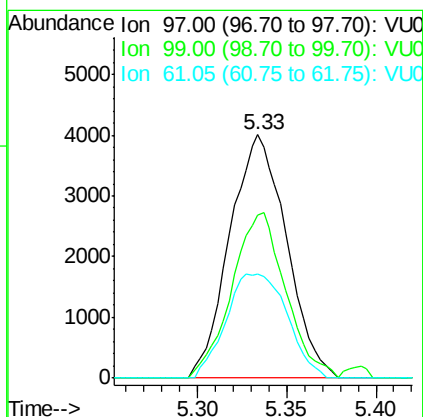
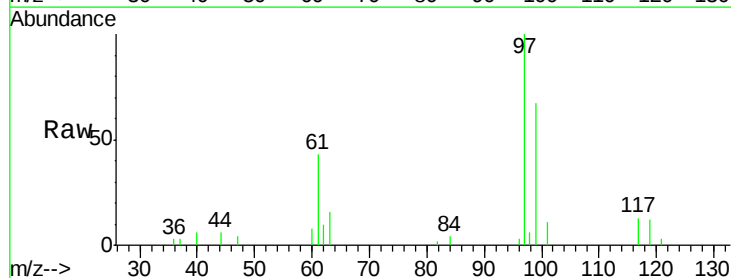
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

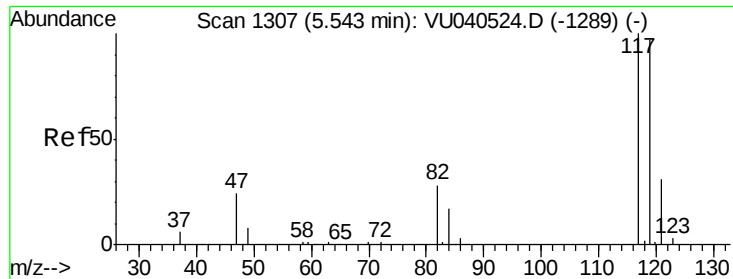
Tot Ion: 56 Resp: 8744
Ion Ratio Lower Upper
56 100
69 26.8 22.6 34.0
84 44.1 63.1 94.7#



#30
1,1,1-Trichloroethane
Concen: 2.437 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion: 97 Resp: 8880
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 46.0 39.4 59.2

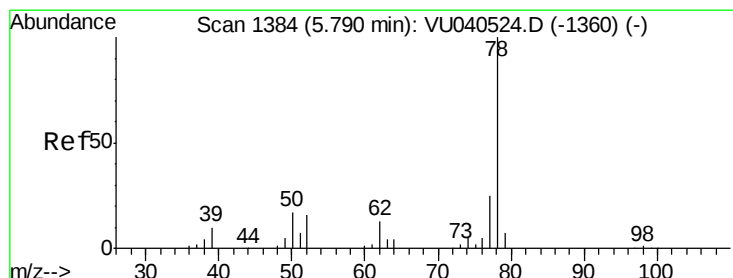
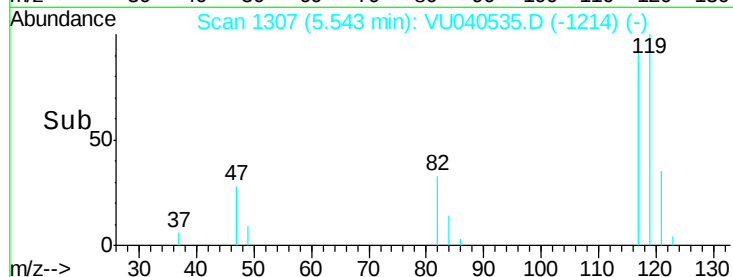
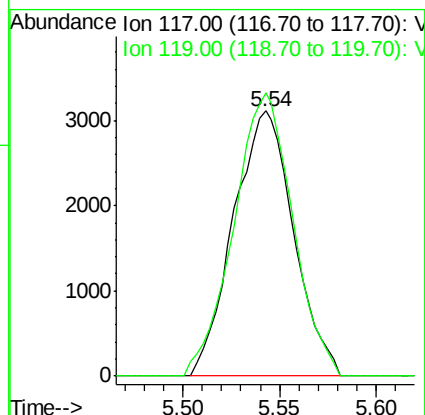
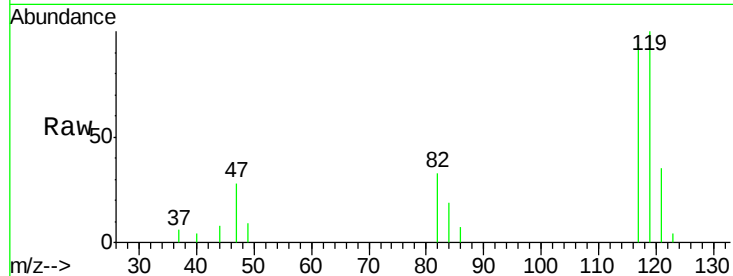




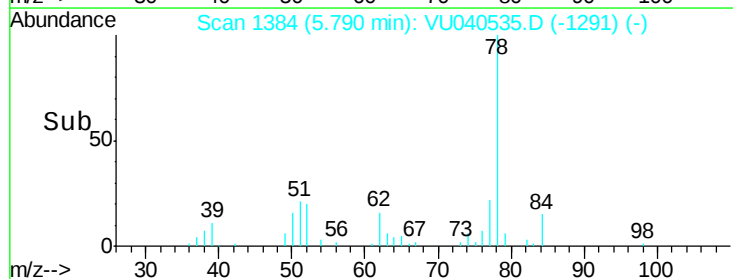
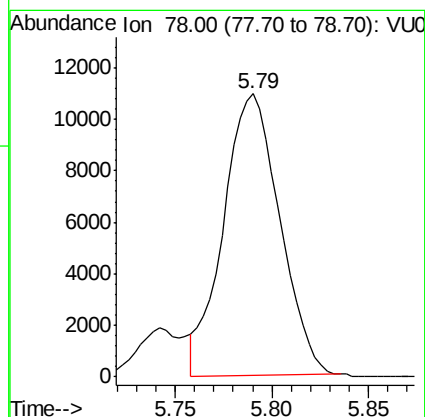
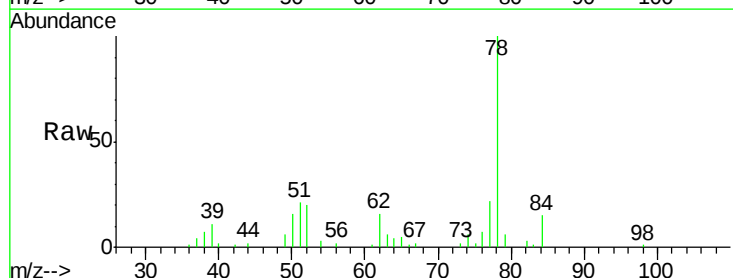
#31
Carbon tetrachloride
Concen: 2.137 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

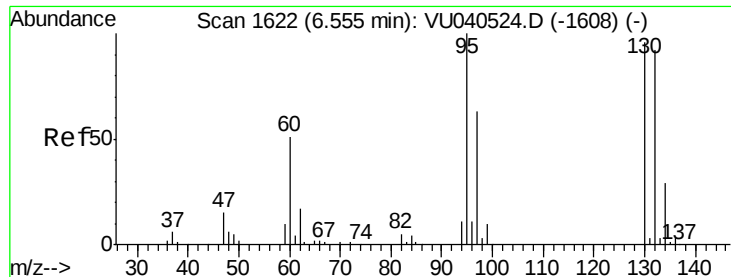
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

Tot Ion:117 Resp: 6733
Ion Ratio Lower Upper
117 100
119 104.5 75.8 113.6



#33
Benzene
Concen: 2.408 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37
Tgt Ion: 78 Resp: 22085

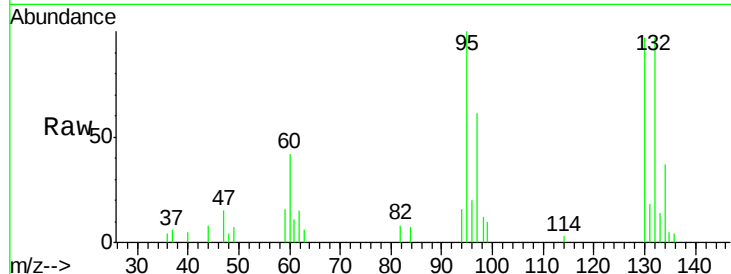




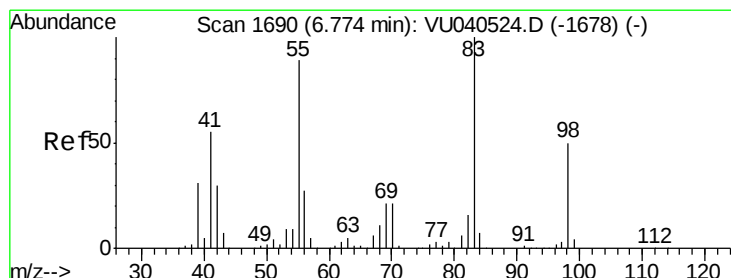
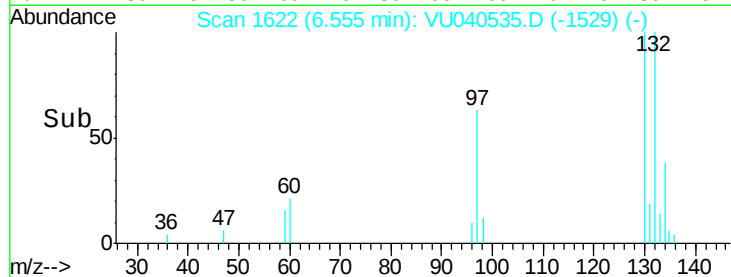
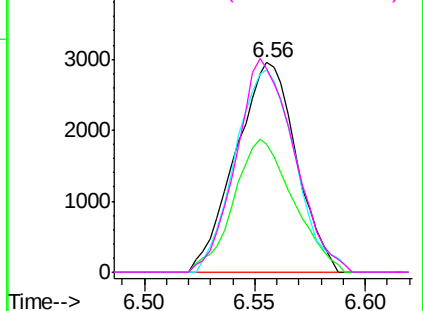
#34
 Trichloroethene
 Concen: 2.379 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

Tot Ion: 95 Resp: 5620
 Ion Ratio Lower Upper
 95 100
 97 61.2 44.3 82.3
 132 96.7 64.2 119.2
 130 97.2 67.3 125.1

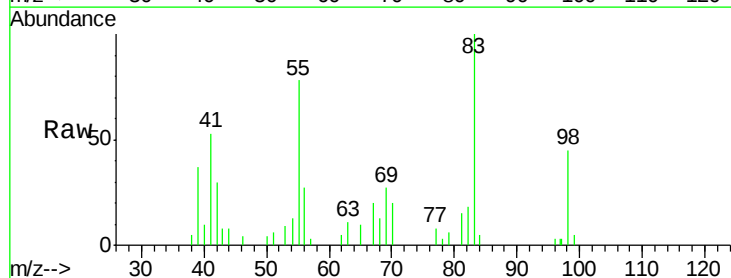


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

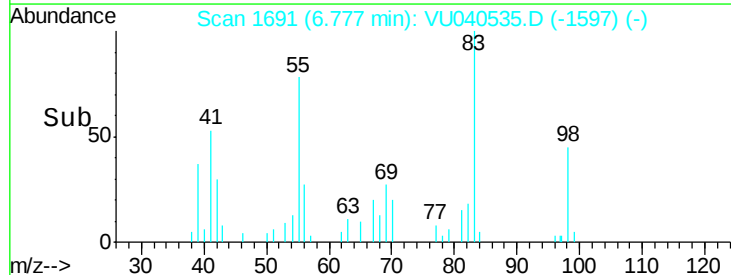
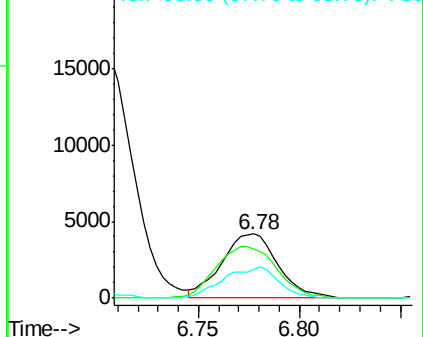


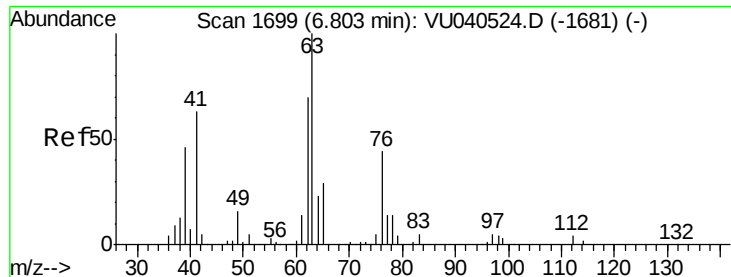
#35
 Methylcyclohexane
 Concen: 2.273 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion: 83 Resp: 8165
 Ion Ratio Lower Upper
 83 100
 55 87.4 69.8 104.8
 98 23.7 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

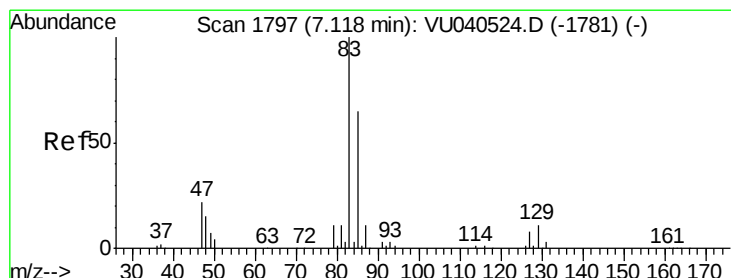
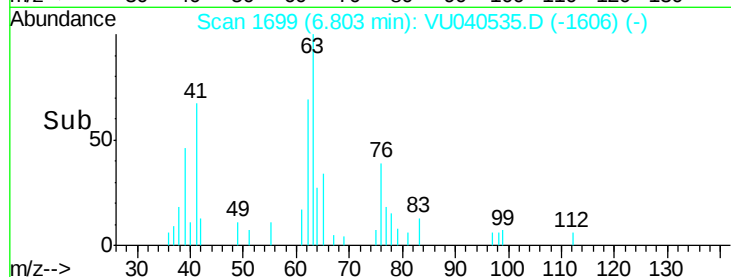
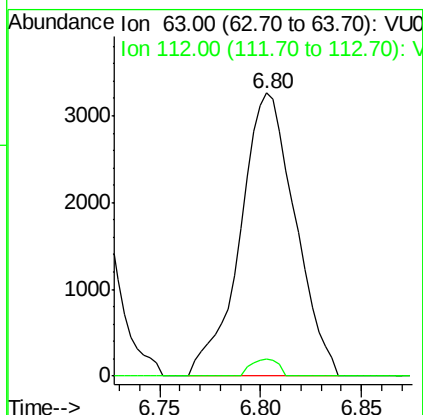
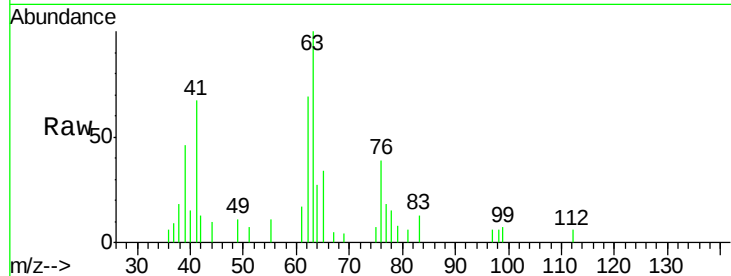




#37
 1,2-Dichloropropane
 Concen: 2.462 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

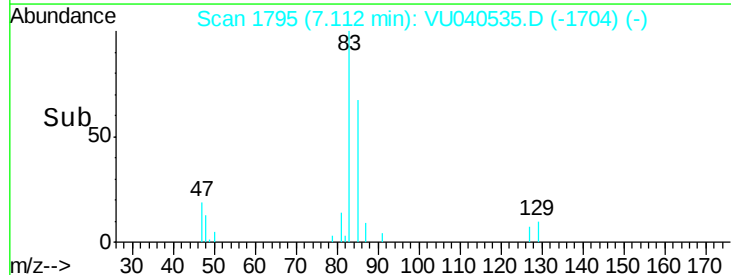
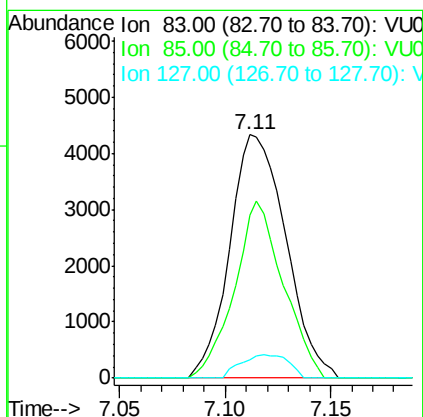
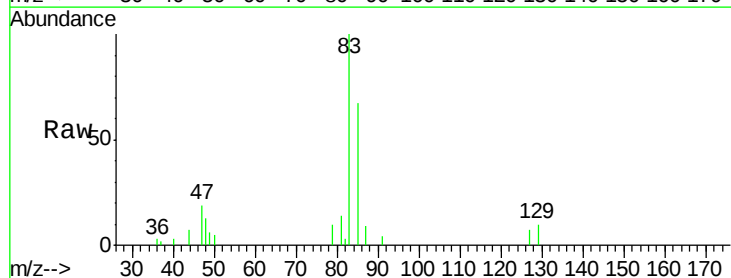
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

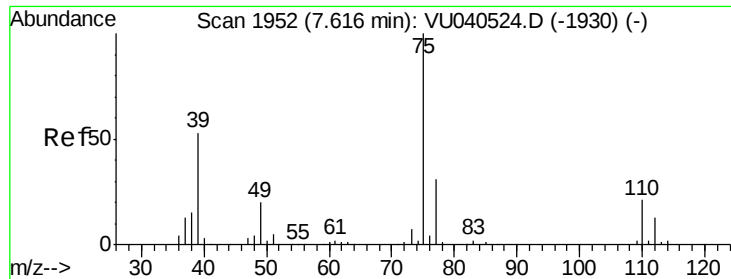
Tot Ion: 63 Resp: 6201
 Ion Ratio Lower Upper
 63 100
 112 3.1 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 2.445 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion: 83 Resp: 7999
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.2 84.0
 127 7.4 6.7 10.1

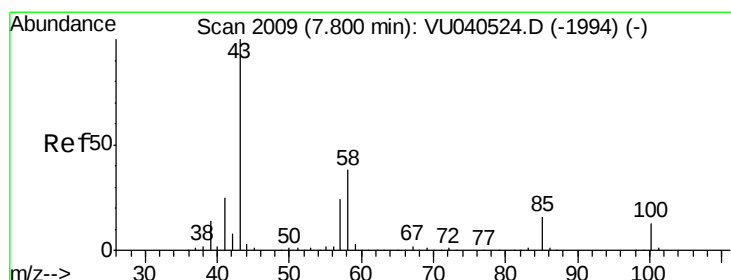
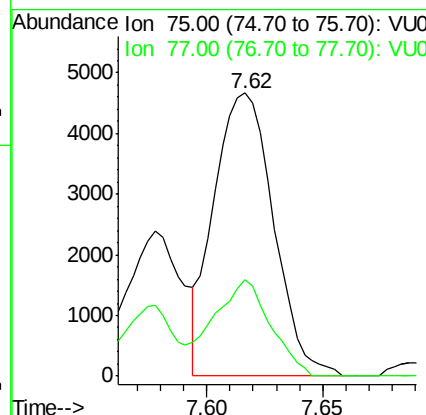
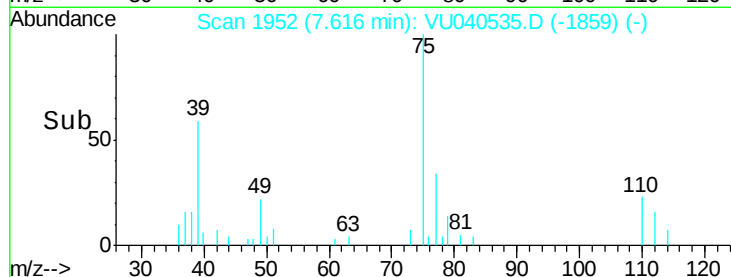
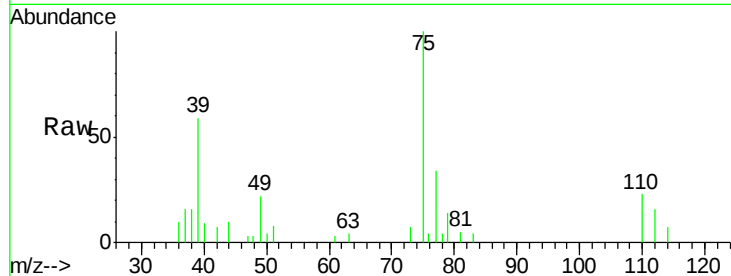




#39
 cis-1,3-Dichloropropene
 Concen: 2.261 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

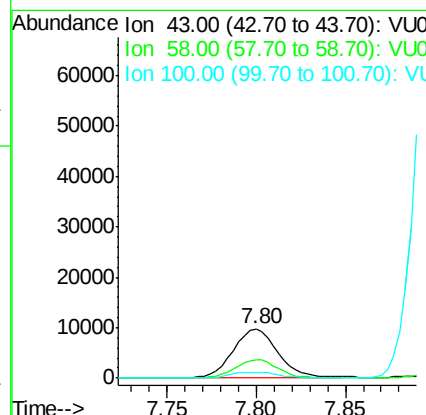
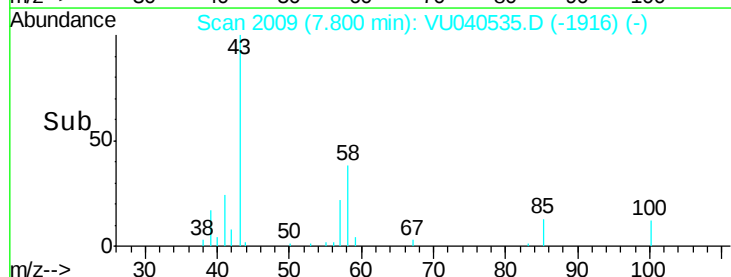
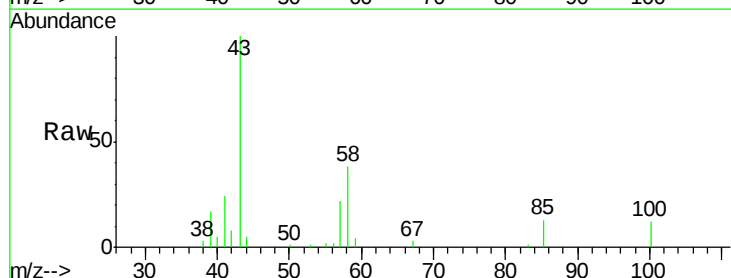
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

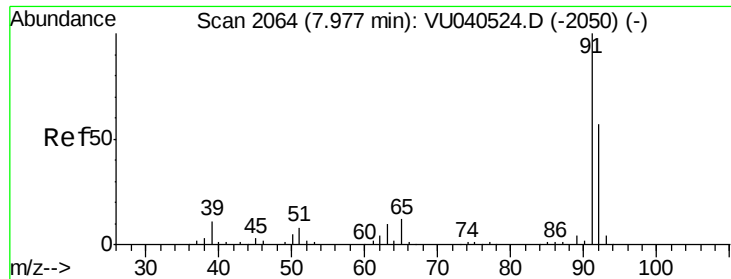
Tot Ion: 75 Resp: 8345
 Ion Ratio Lower Upper
 75 100
 77 34.2 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 4.343 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion: 43 Resp: 17260
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.7 44.5
 100 12.5 10.5 15.7





#42

Toluene

Concen: 2.447 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

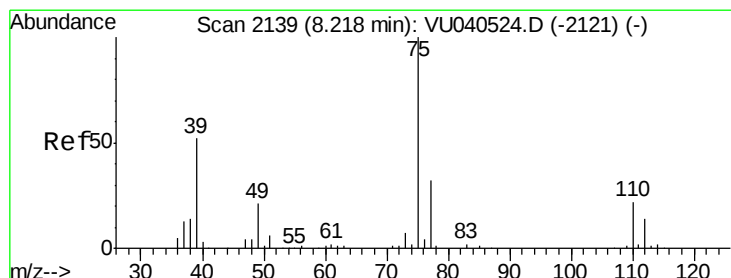
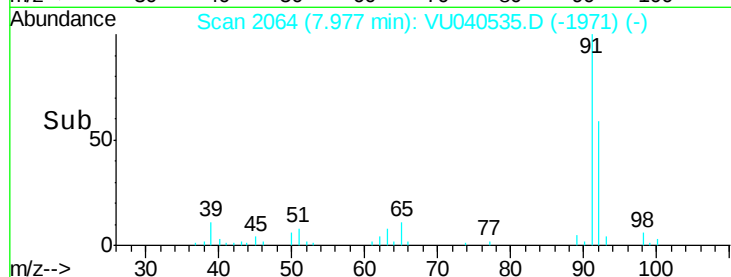
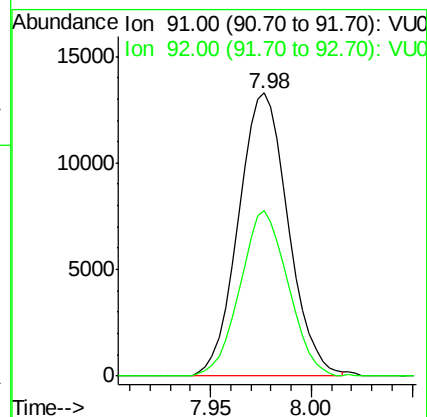
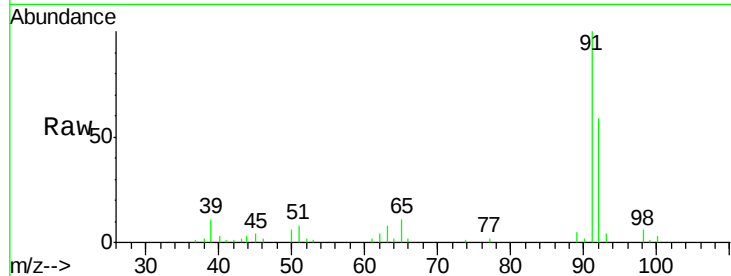
MDL-WATER-03

Tot Ion: 91 Resp: 22913

Ion Ratio Lower Upper

91 100

92 58.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 2.269 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040535.D

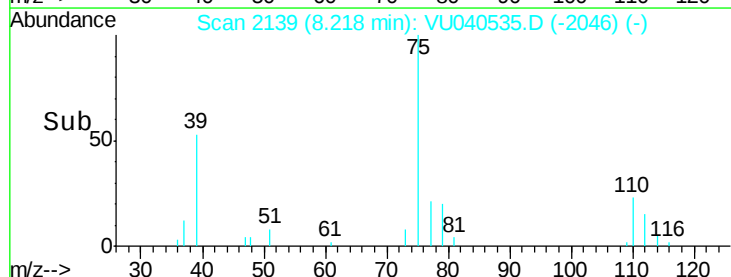
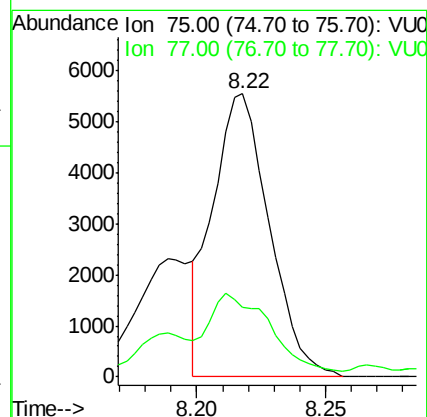
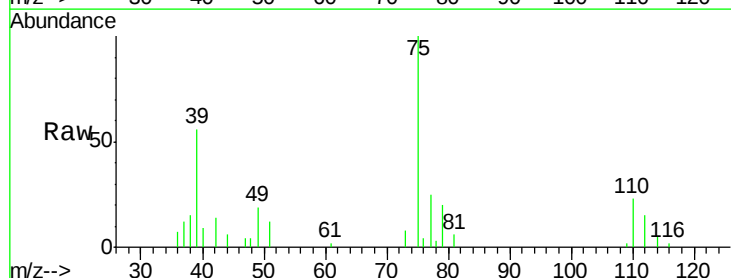
Acq: 06 Oct 2020 18:37

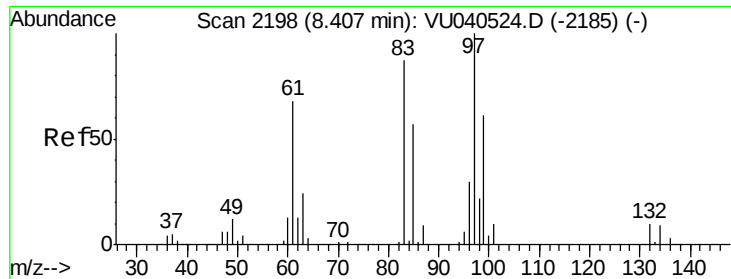
Tgt Ion: 75 Resp: 8432

Ion Ratio Lower Upper

75 100

77 24.6 22.1 41.1

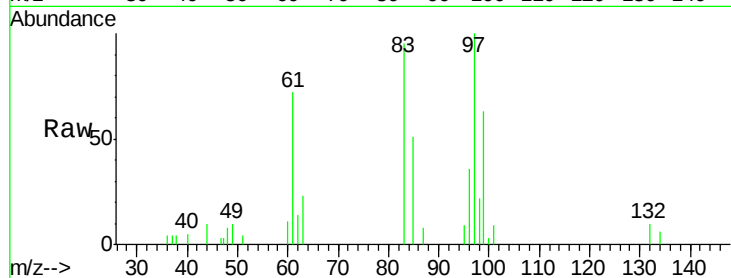




#45
1,1,2-Trichloroethane
Concen: 2.446 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

Tot Ion:	97	Resp:	5519
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.7	79.3
83	95.4	61.0	113.4
85	51.3	39.8	73.8



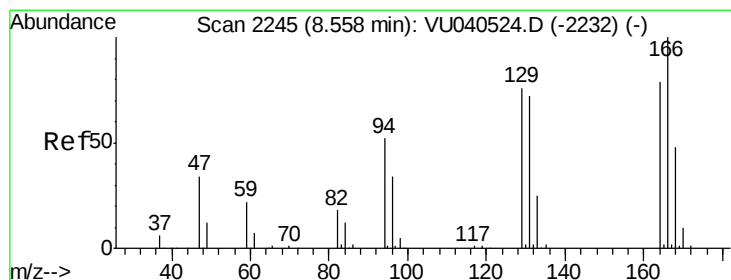
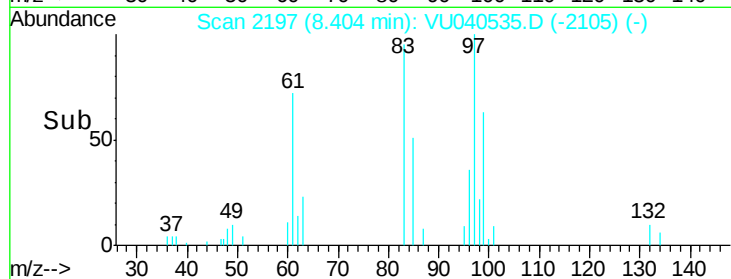
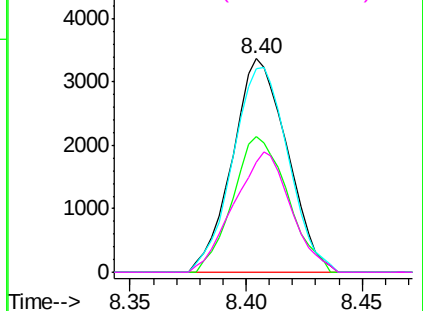
Abundance

Ion 97.00 (96.70 to 97.70): VU040535.D (-2198) (-)

Ion 99.00 (98.70 to 99.70): VU040535.D (-2198) (-)

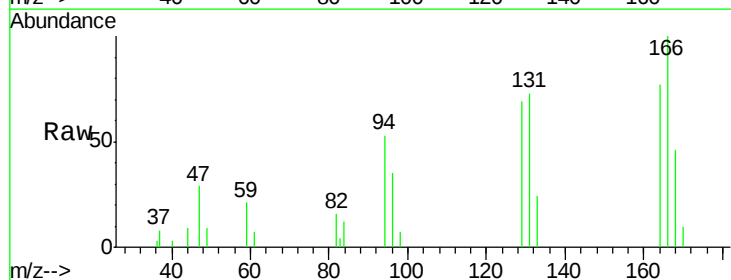
Ion 83.00 (82.70 to 83.70): VU040535.D (-2198) (-)

Ion 85.00 (84.70 to 85.70): VU040535.D (-2198) (-)



#46
Tetrachloroethene
Concen: 2.464 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion:	164	Resp:	4206
Ion	Ratio	Lower	Upper
164	100		
129	89.8	67.4	125.2
131	94.2	63.8	118.6
166	129.4	88.7	164.7



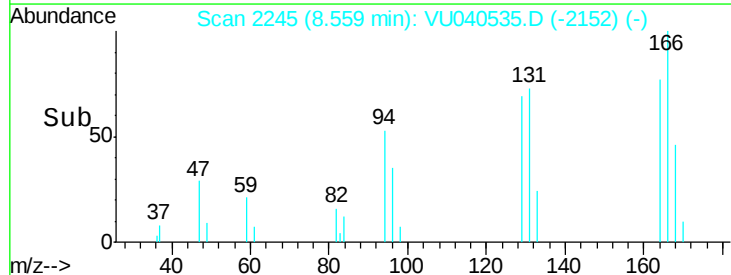
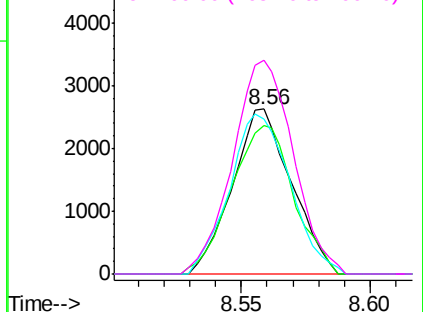
Abundance

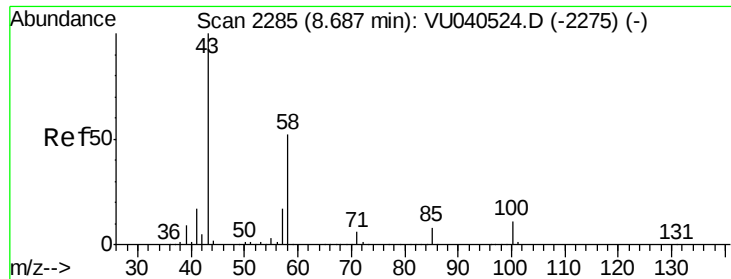
Ion 164.00 (163.70 to 164.70): VU040535.D (-2245) (-)

Ion 129.00 (128.70 to 129.70): VU040535.D (-2245) (-)

Ion 131.00 (130.70 to 131.70): VU040535.D (-2245) (-)

Ion 166.00 (165.70 to 166.70): VU040535.D (-2245) (-)

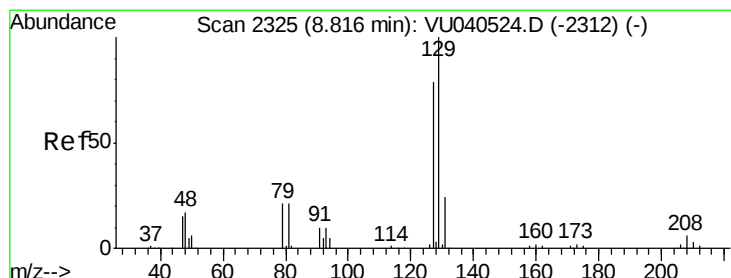
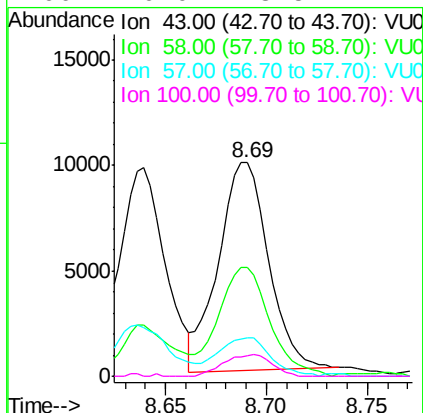
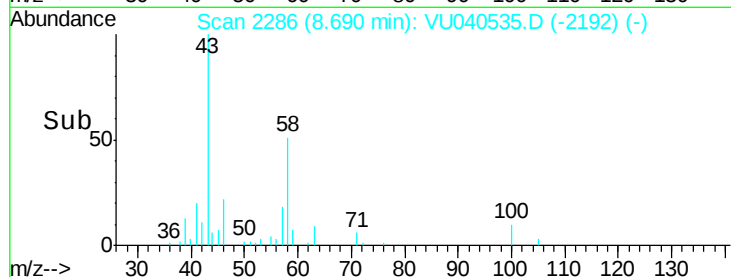
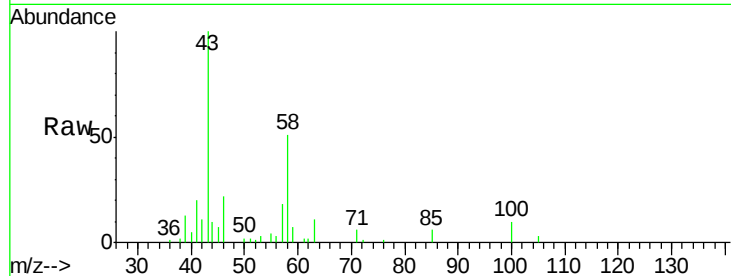




#48
2-Hexanone
Concen: 5.335 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

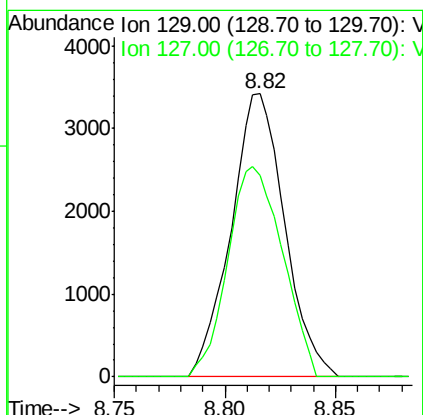
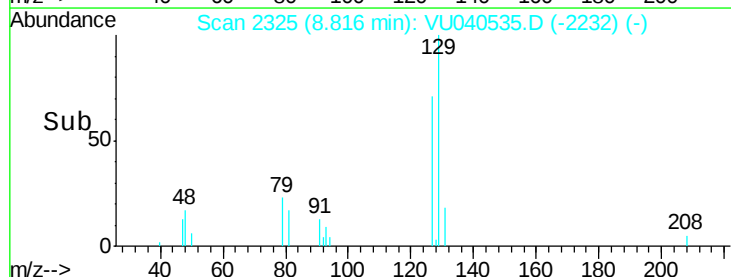
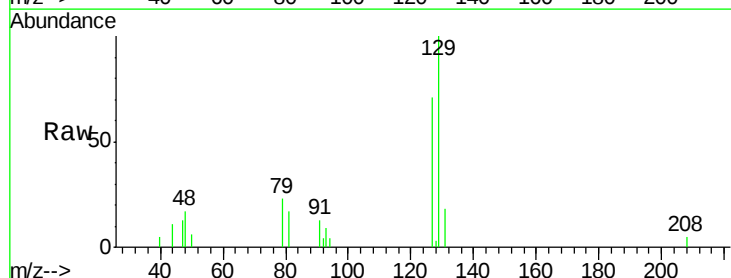
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

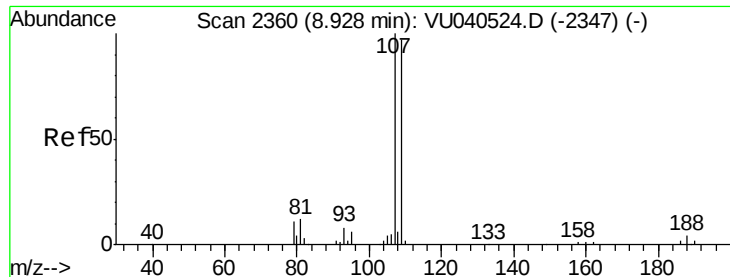
Tot Ion: 43 Resp: 17231
Ion Ratio Lower Upper
43 100
58 52.5 40.6 60.8
57 19.7 14.3 21.5
100 10.0 8.5 12.7



#49
Dibromochloromethane
Concen: 2.350 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion: 129 Resp: 5789
Ion Ratio Lower Upper
129 100
127 71.1 54.9 102.1

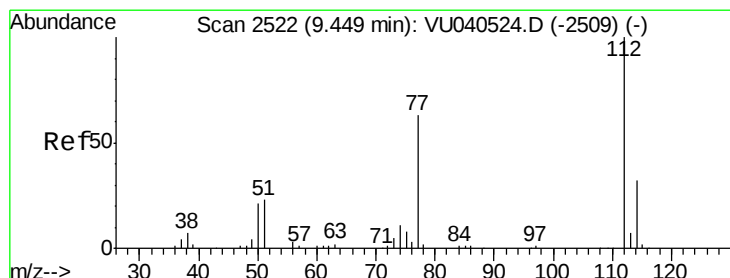
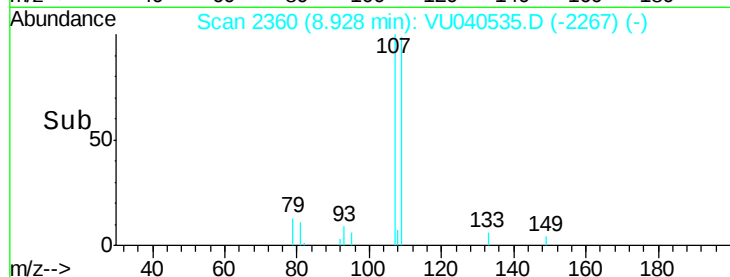
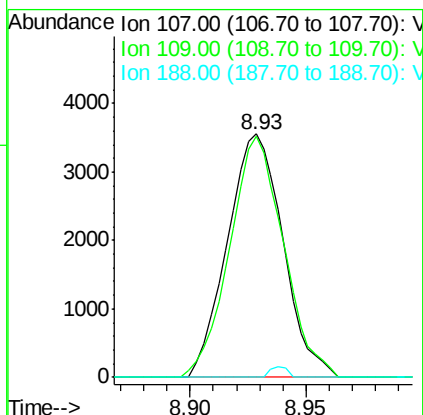
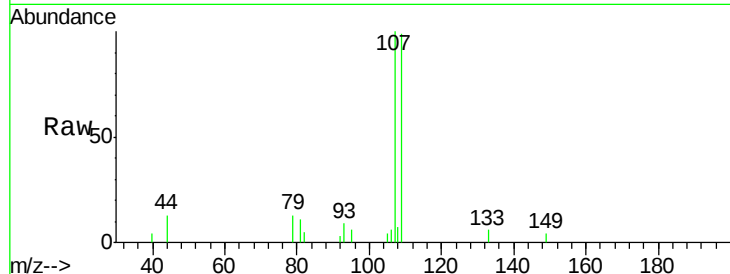




#50
1,2-Dibromoethane
Concen: 2.477 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

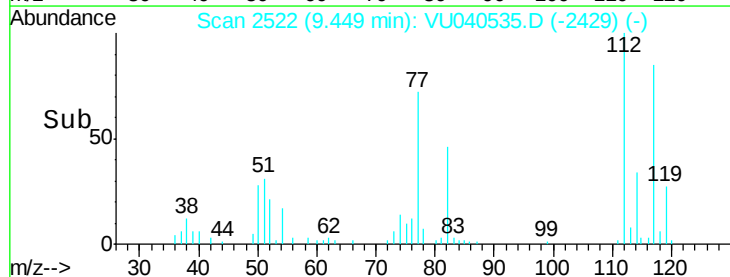
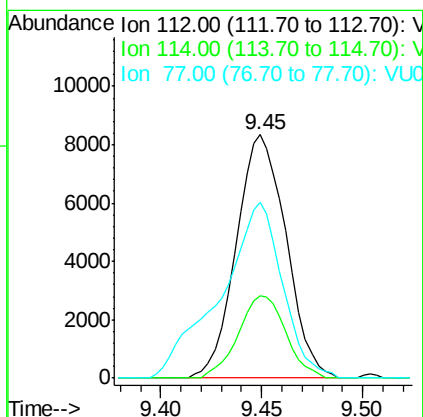
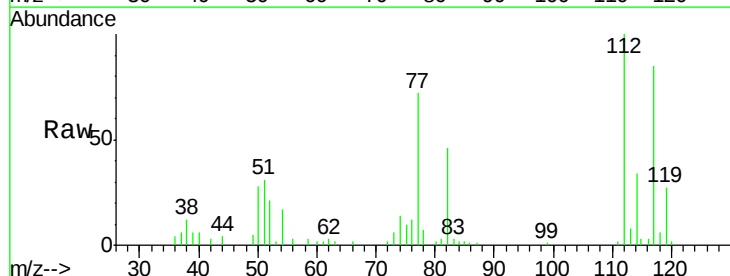
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

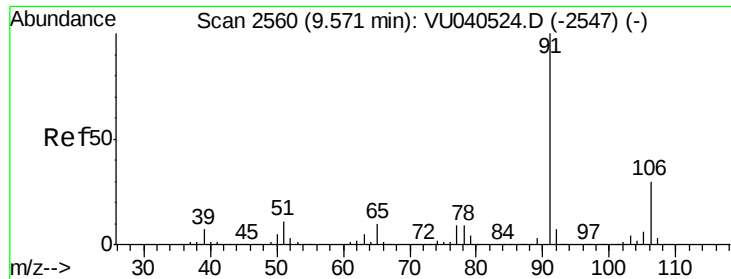
Tot Ion:107 Resp: 5923
Ion Ratio Lower Upper
107 100
109 99.0 67.8 125.8
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 2.346 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion:112 Resp: 14408
Ion Ratio Lower Upper
112 100
114 33.7 22.1 41.1
77 72.1 50.4 75.6





#52

Ethylbenzene

Concen: 2.219 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

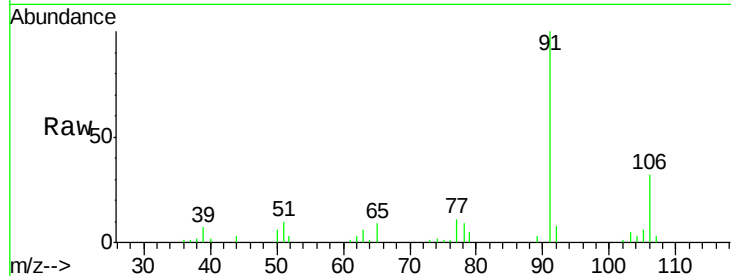
MDL-WATER-03

Tot Ion: 91 Resp: 23059

Ion Ratio Lower Upper

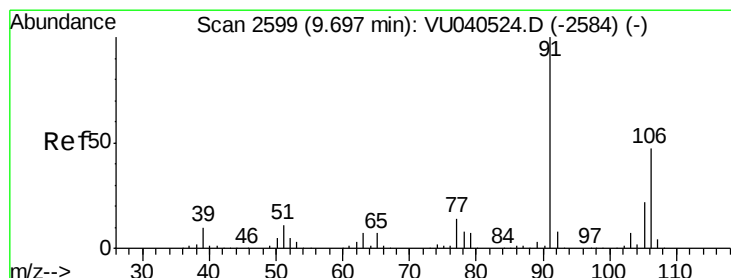
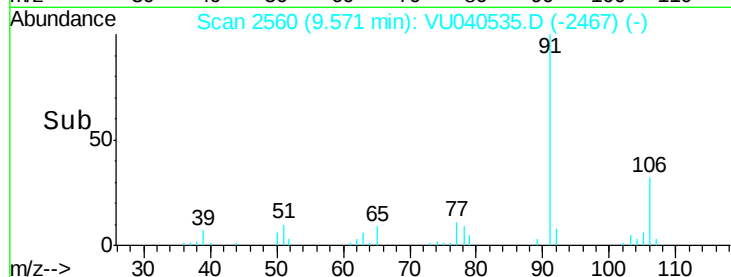
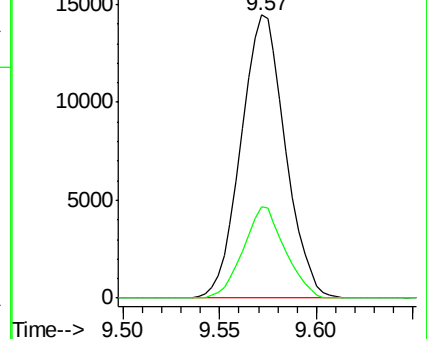
91 100

106 32.1 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040524.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU040535.D (-2467) (-)



#53

m,p-Xylene

Concen: 2.137 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040535.D

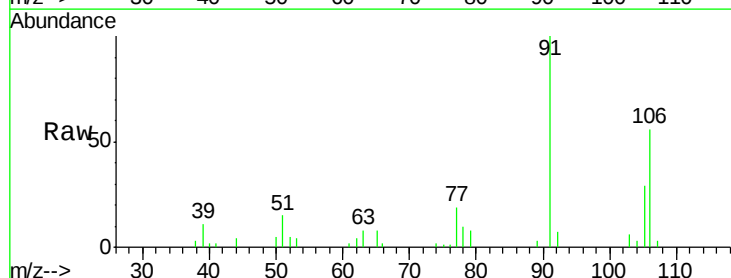
Acq: 06 Oct 2020 18:37

Tgt Ion: 106 Resp: 8177

Ion Ratio Lower Upper

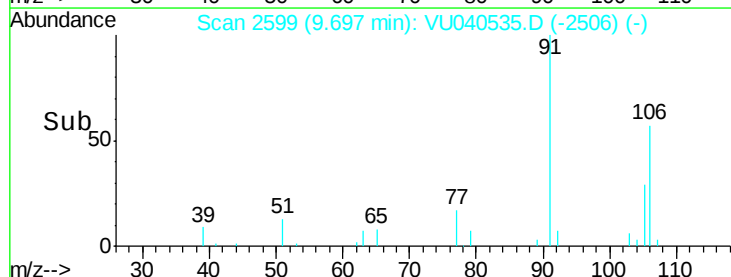
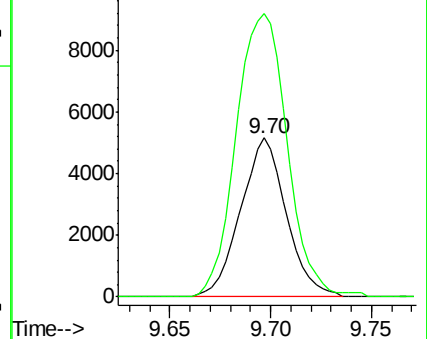
106 100

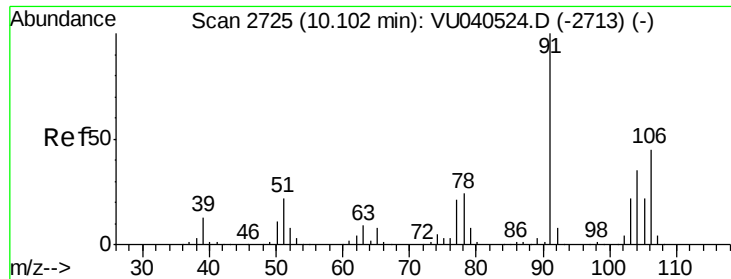
91 178.2 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040524.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU040535.D (-2506) (-)





#54

o-xylene

Concen: 2.041 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040535.D

Acq: 06 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

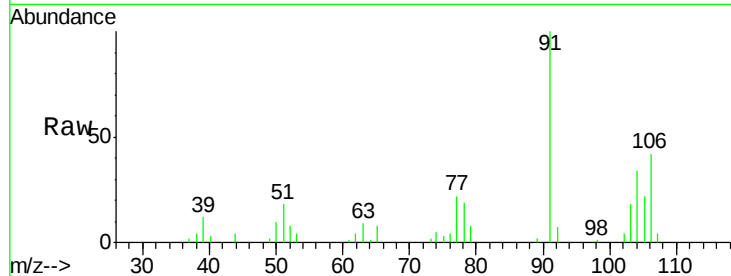
MDL-WATER-03

Tot Ion:106 Resp: 7433

Ion Ratio Lower Upper

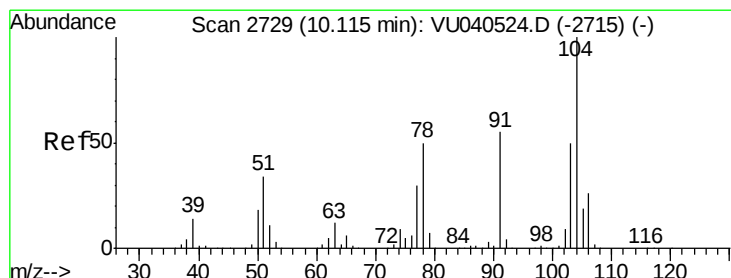
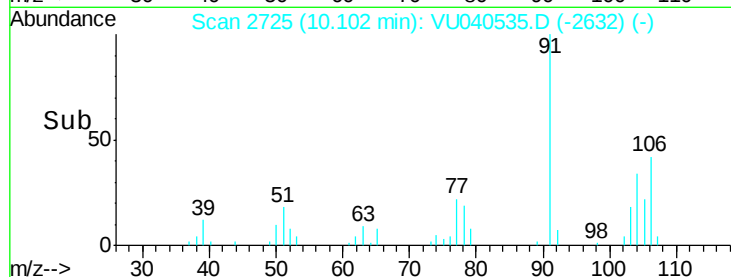
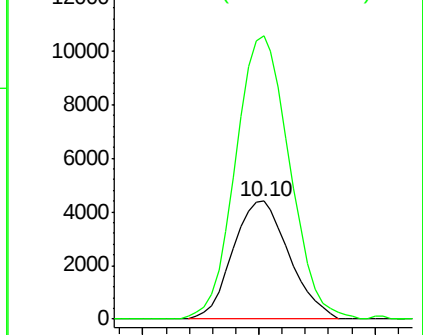
106 100

91 240.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.923 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040535.D

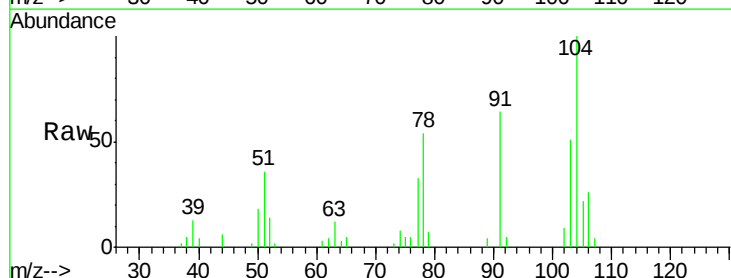
Acq: 06 Oct 2020 18:37

Tgt Ion:104 Resp: 12332

Ion Ratio Lower Upper

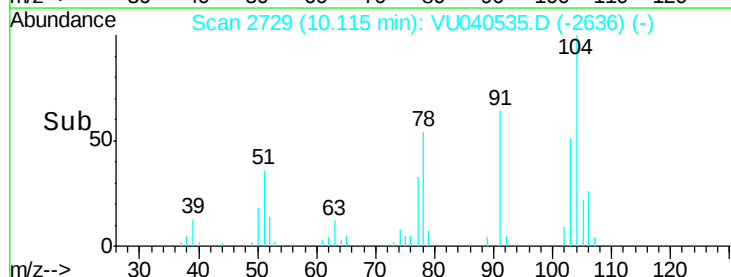
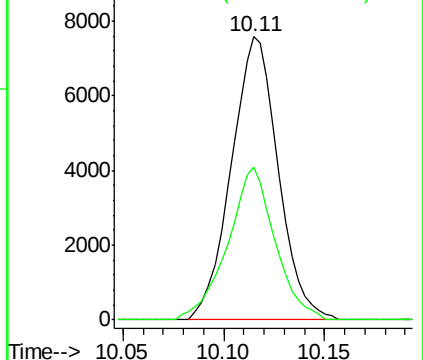
104 100

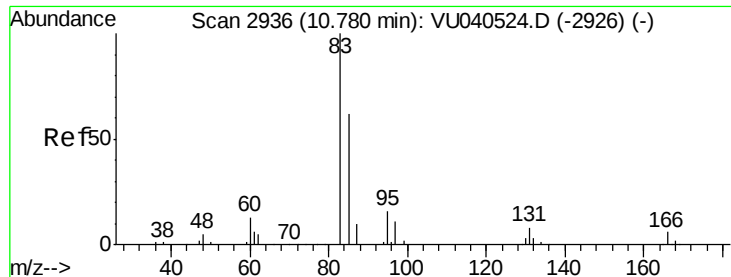
78 54.1 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

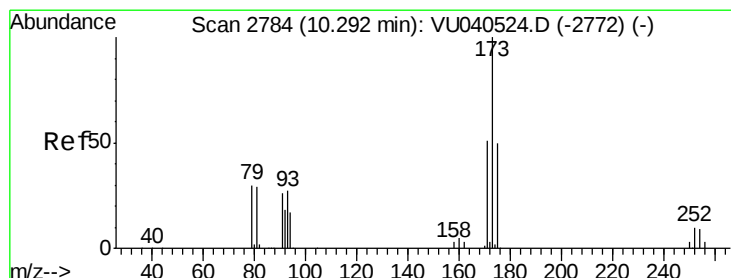
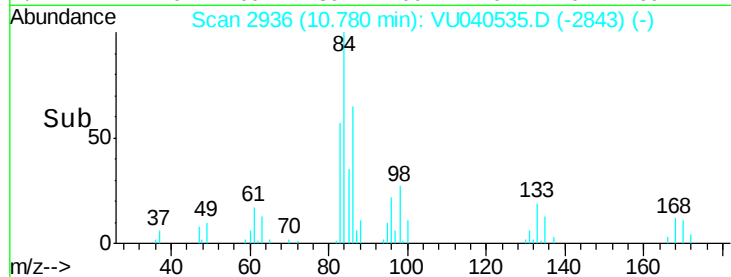
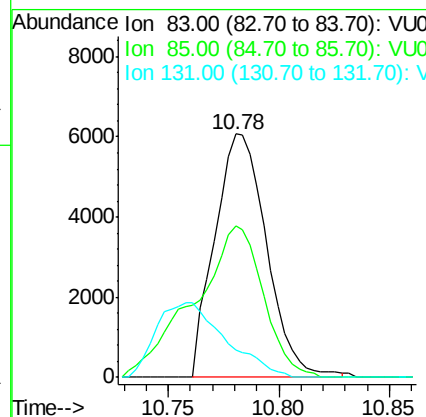
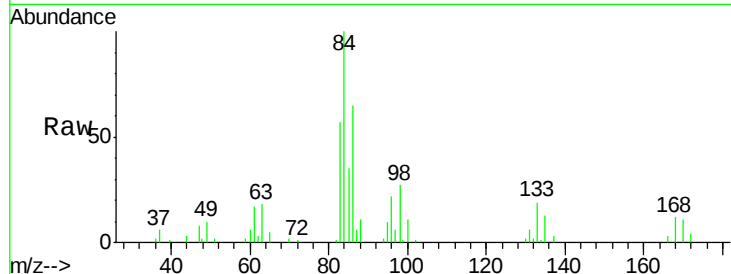




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.485 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

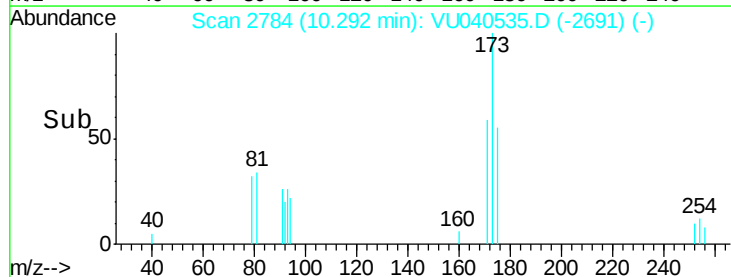
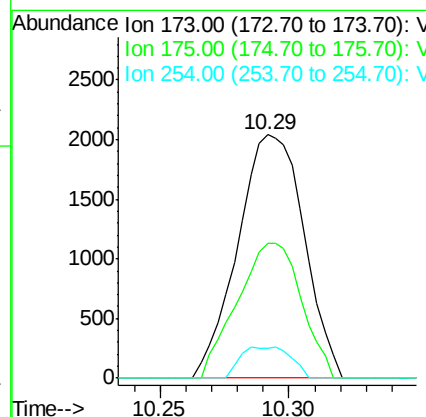
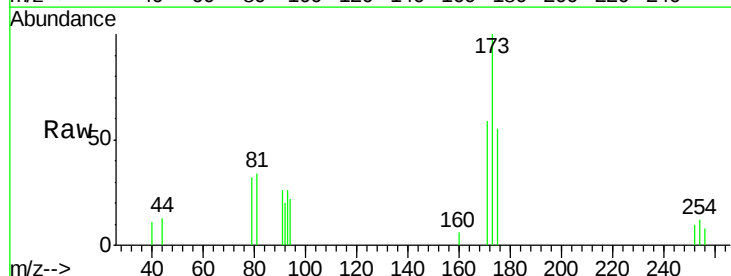
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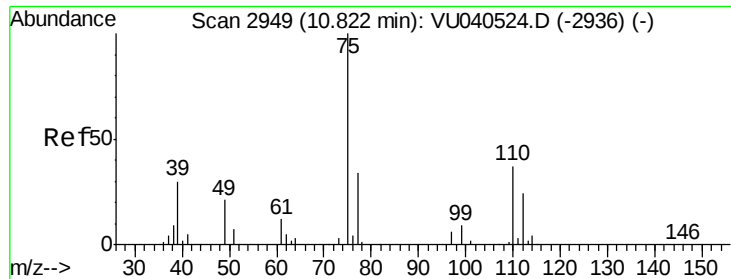
Tot Ion: 83 Resp: 9913
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.2 82.2
 131 11.4 7.1 10.7#



#59
 Bromoform
 Concen: 2.269 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion: 173 Resp: 3655
 Ion Ratio Lower Upper
 173 100
 175 53.7 38.5 57.7
 254 5.7 7.0 10.6#

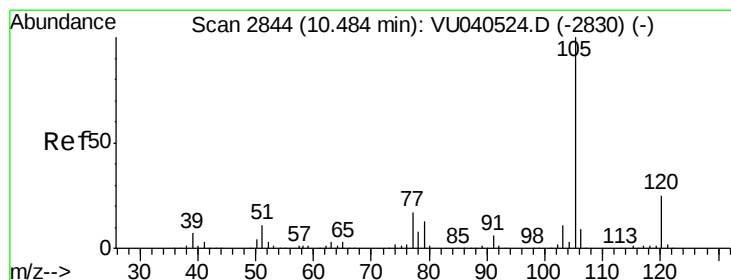
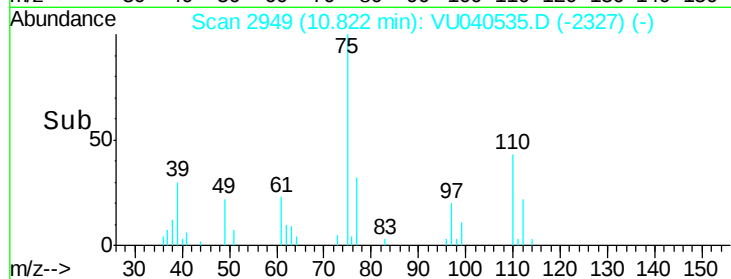
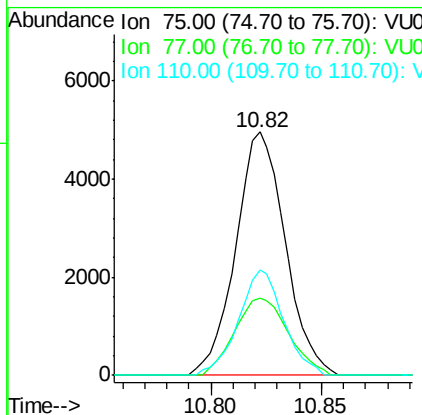
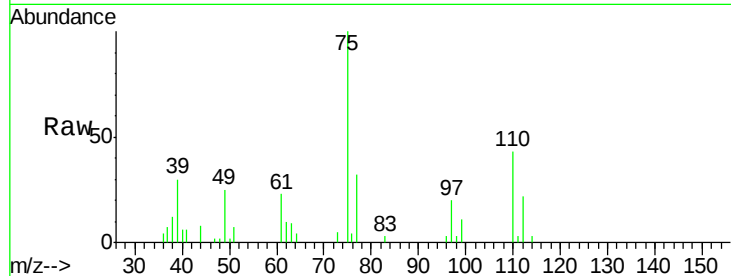




#60
 1,2,3-Trichloropropane
 Concen: 2.601 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

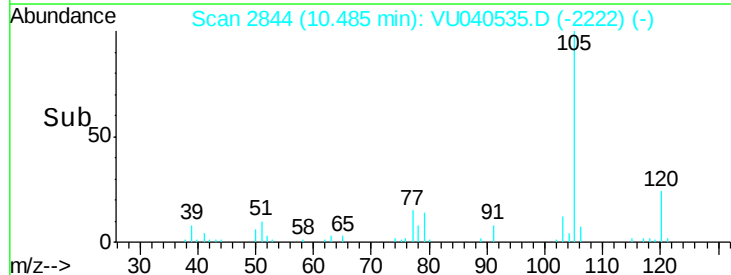
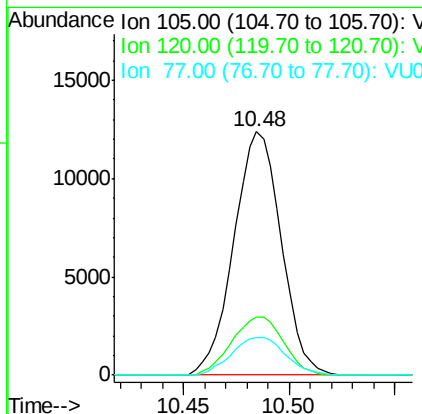
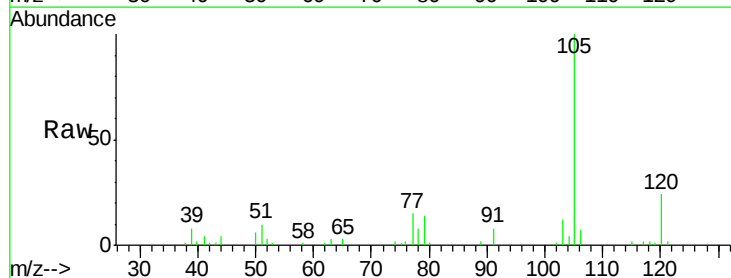
Instrument :
 MSVOA_U
 ClientSampleId :
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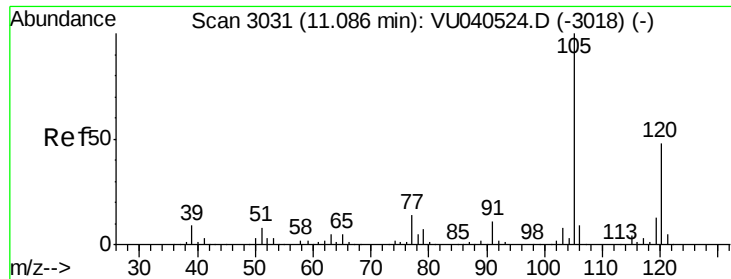
Tot Ion: 75 Resp: 7765
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.4 39.6
 110 39.3 30.1 45.1



#61
 Isopropylbenzene
 Concen: 2.186 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion: 105 Resp: 19296
 Ion Ratio Lower Upper
 105 100
 120 26.0 20.7 31.1
 77 17.6 13.8 20.8

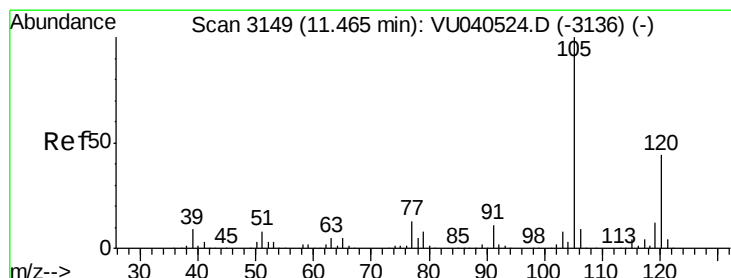
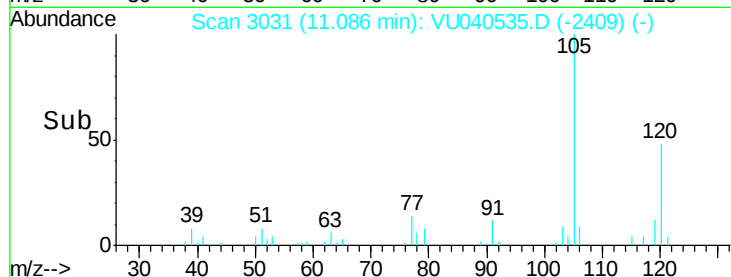
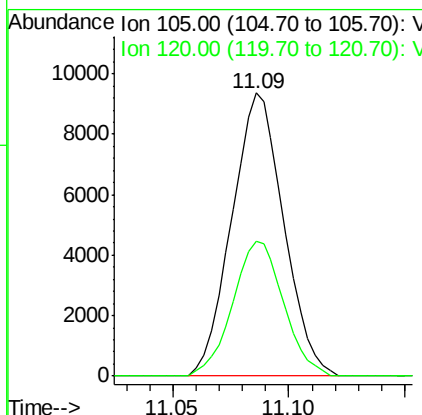
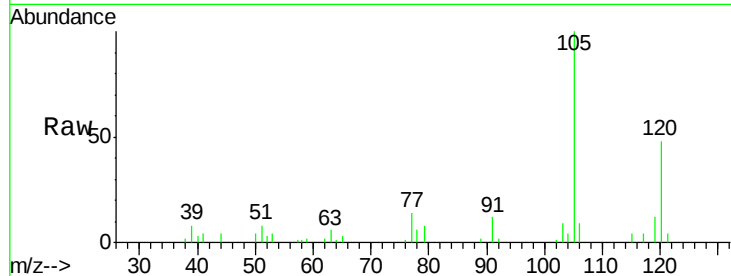




#62
 1,3,5-Trimethylbenzene
 Concen: 2.006 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

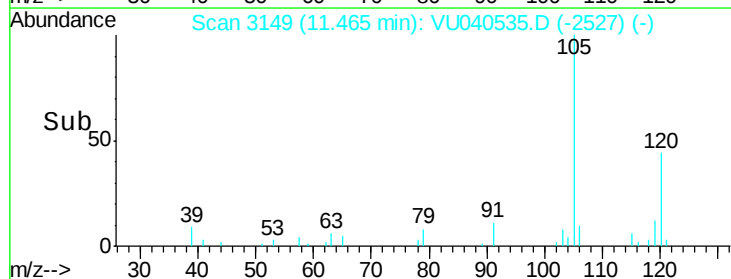
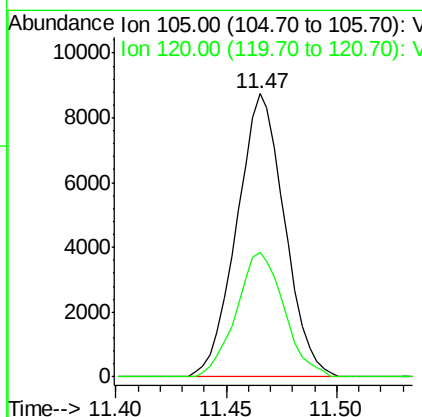
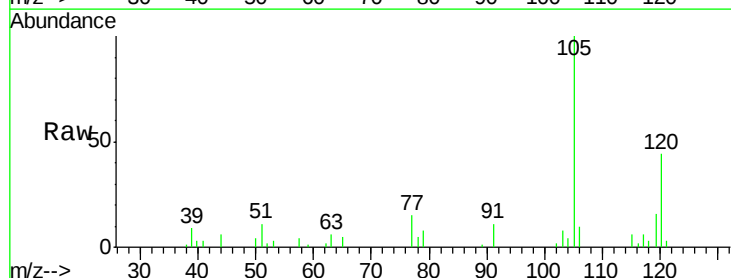
Instrument :
 MSVOA_U
 ClientSampleId :
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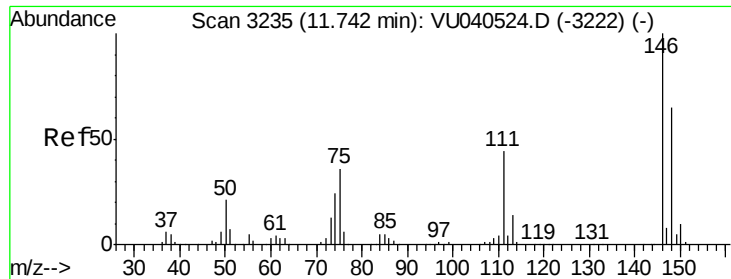
Tot Ion:105 Resp: 14549
 Ion Ratio Lower Upper
 105 100
 120 46.6 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 1.794 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion:105 Resp: 13195
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.7 53.5

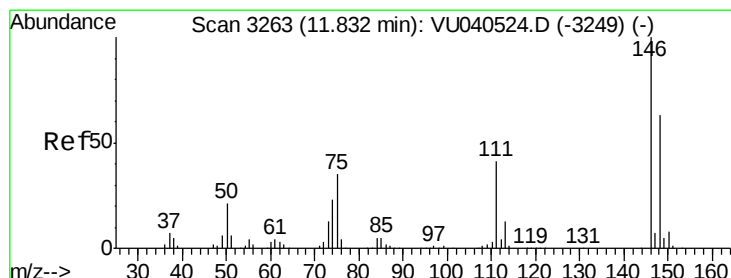
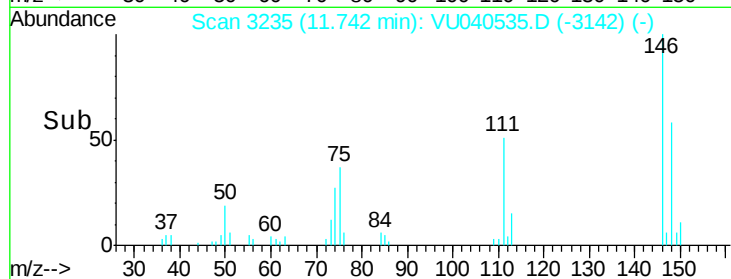
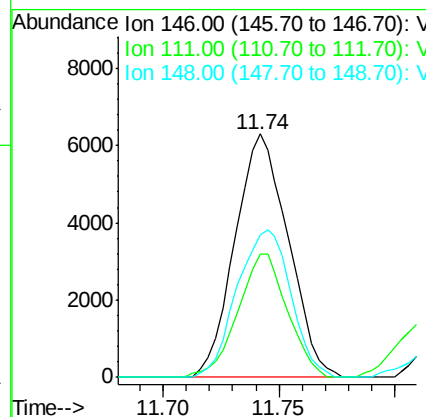
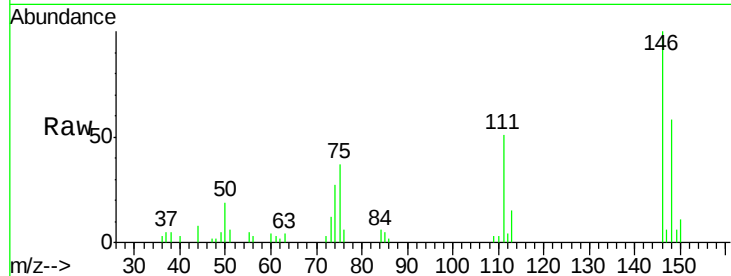




#64
 1,3-Dichlorobenzene
 Concen: 2.330 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

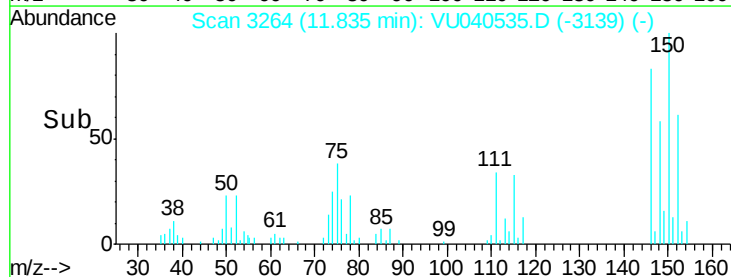
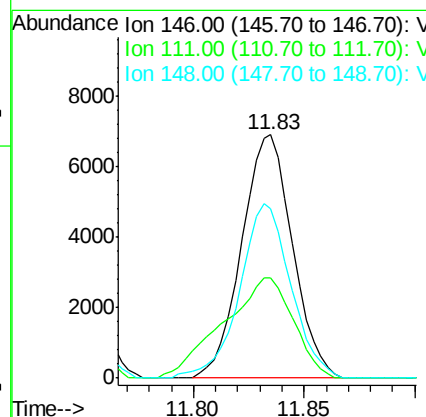
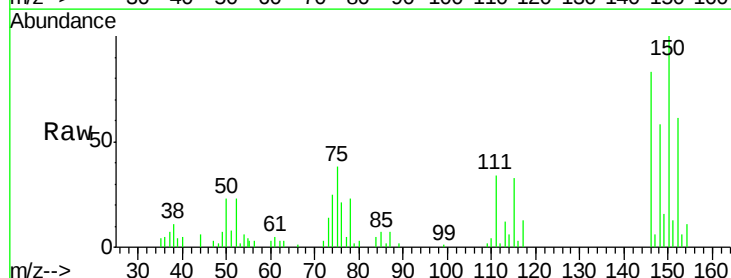
Instrument :
 MSVOA_U
 ClientSampleId :
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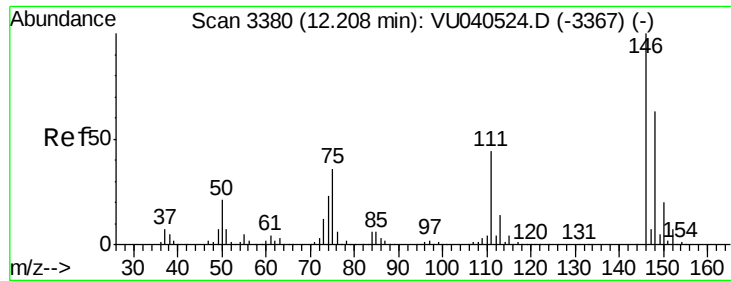
Tot Ion:146 Resp: 10030
 Ion Ratio Lower Upper
 146 100
 111 50.6 30.8 57.2
 148 58.3 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 2.438 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion:146 Resp: 11019
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.7 53.3
 148 69.7 44.1 81.9

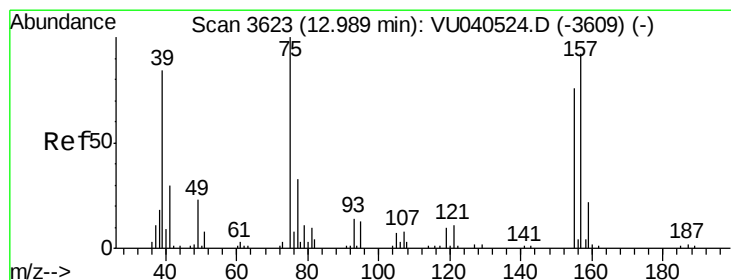
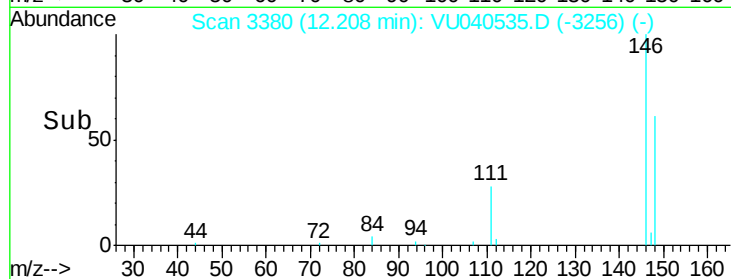
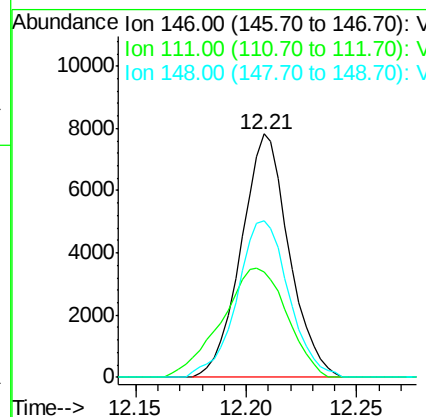
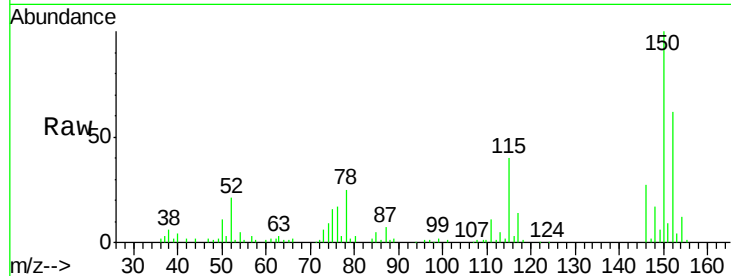




#67
 1,2-Dichlorobenzene
 Concen: 2.736 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

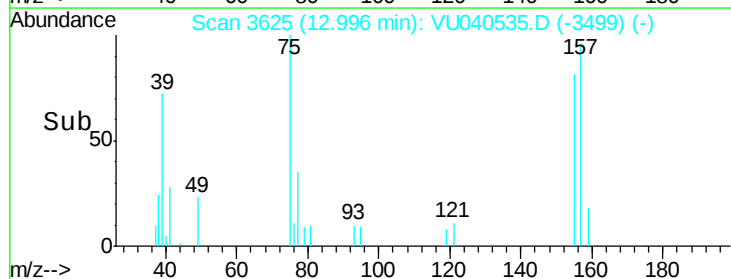
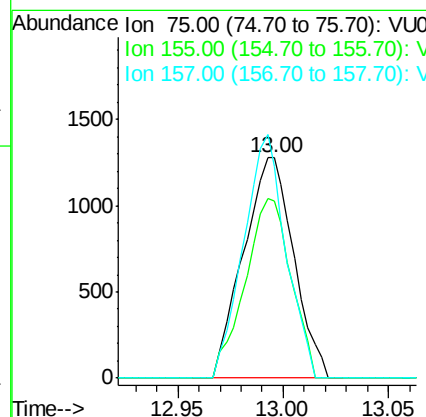
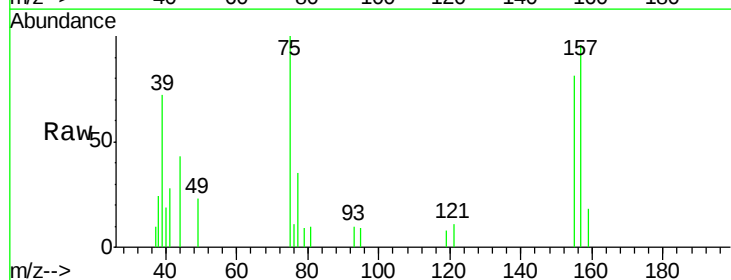
Instrument :
 MSVOA_U
 ClientSampleId :
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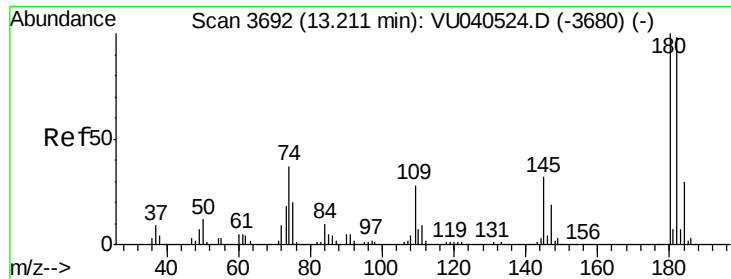
Tot Ion:146 Resp: 11796
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.7 53.5
 148 64.3 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.518 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. 0.01 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion: 75 Resp: 2112
 Ion Ratio Lower Upper
 75 100
 155 80.5 61.0 91.6
 157 95.9 73.5 110.3

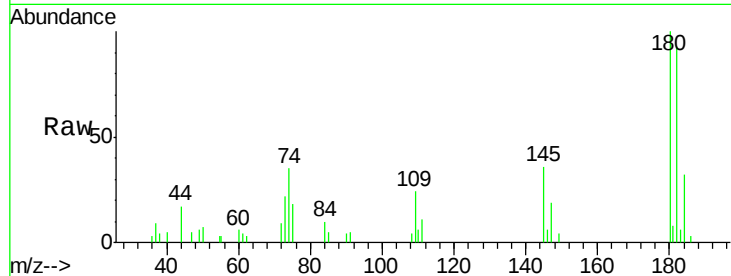




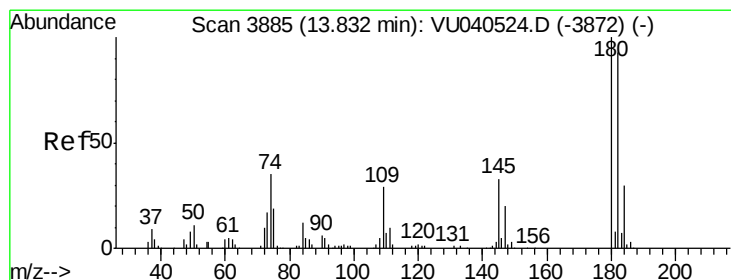
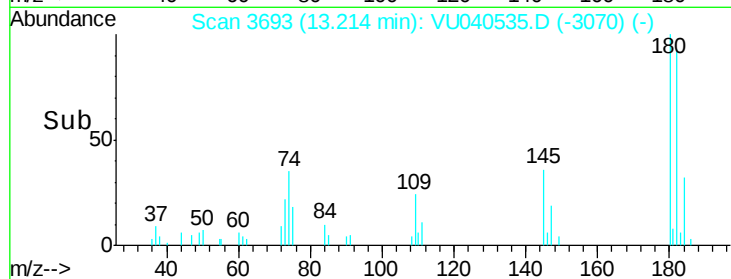
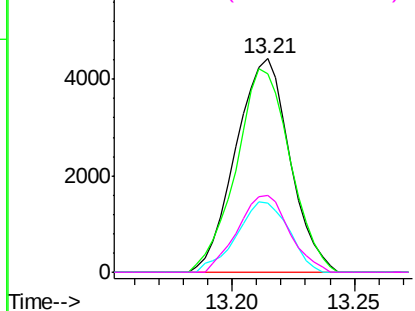
#69
 1,3,5-Trichlorobenzene
 Concen: 2.419 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03

Tot Ion:180 Resp: 6823
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.9 115.3
 184 31.7 24.2 36.2
 145 34.3 25.4 38.2

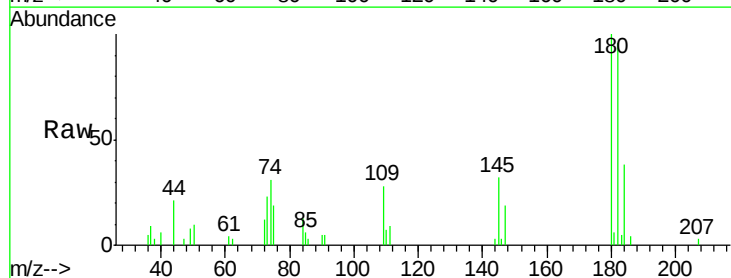


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

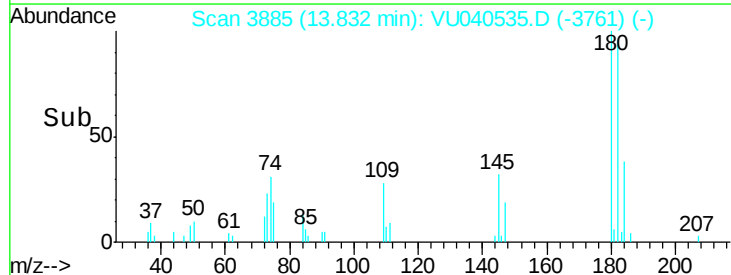
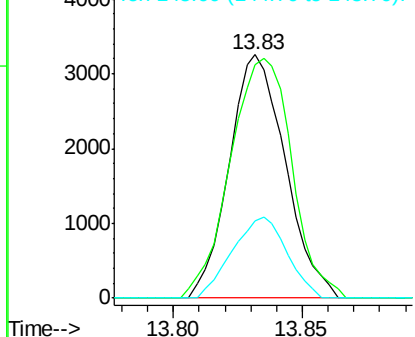


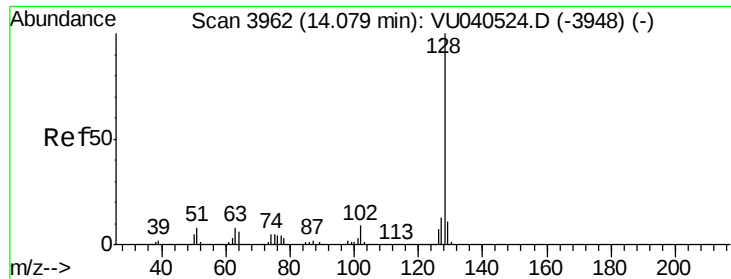
#70
 1,2,4-trichlorobenzene
 Concen: 2.015 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040535.D
 Acq: 06 Oct 2020 18:37

Tgt Ion:180 Resp: 4924
 Ion Ratio Lower Upper
 180 100
 182 108.3 75.0 112.6
 145 32.4 25.9 38.9



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

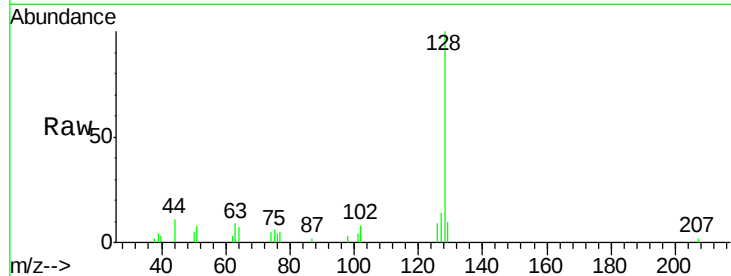




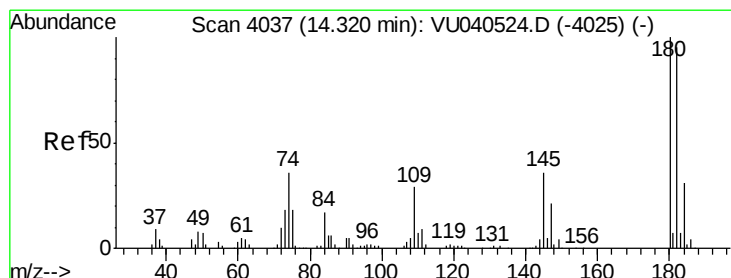
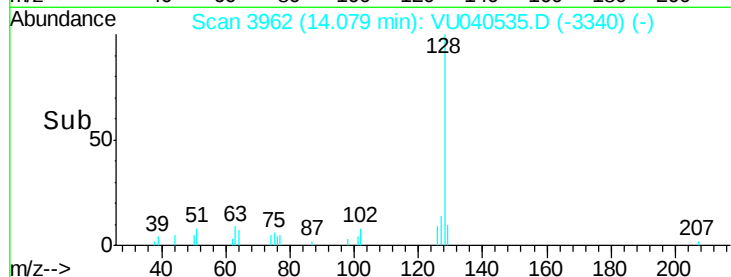
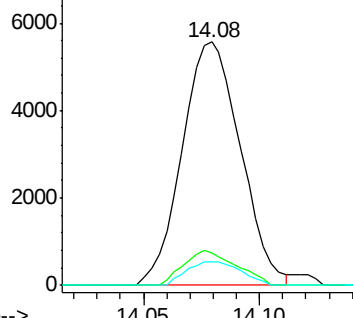
#71
Naphthalene
Concen: 1.288 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03

Tot Ion:128 Resp: 9729
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 9.1 8.6 13.0

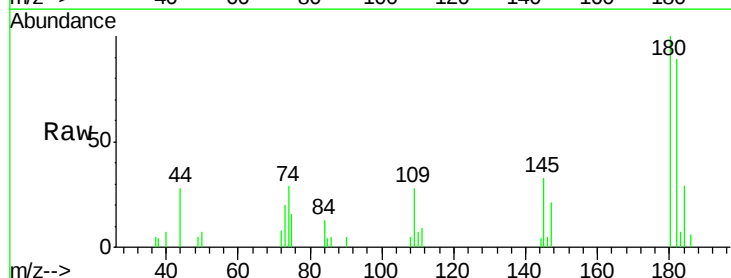


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.887 ug/L
RT: 14.33 min Scan# 4039
Delta R.T. 0.01 min
Lab File: VU040535.D
Acq: 06 Oct 2020 18:37

Tgt Ion:180 Resp: 4578
Ion Ratio Lower Upper
180 100
182 96.4 77.7 116.5
145 34.1 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

