

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100720\
 Data File : VU040549.D
 Acq On : 07 Oct 2020 17:03
 Operator : SY/MD
 Sample : L4485-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-06

Quant Time: Oct 08 01:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 01:13:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	257320	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	259609	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	123027	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	100757	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.18%
7) Chloroethane-d5	1.92	69	82529	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.04%
11) 1,1-Dichloroethene-d2	2.58	63	152251	36.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.22%
21) 2-Butanone-d5	4.64	46	204685	116.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.71%
24) Chloroform-d	5.08	84	183367	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	129110	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
32) Benzene-d6	5.74	84	350589	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
36) 1,2-Dichloropropane-d6	6.70	67	117603	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.98%
41) Toluene-d8	7.91	98	303544	45.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.64%
43) trans-1,3-Dichloropropene-	8.19	79	56884	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.64	63	133709	115.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.82%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	174583	48.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.62%
66) 1,2-Dichlorobenzene-d4	12.19	152	123634	49.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	6178	2.493	ug/L	97
3) Chloromethane	1.53	50	6827	2.622	ug/L	96
5) Vinyl chloride	1.61	62	6905	2.678	ug/L #	60
6) Bromomethane	1.86	94	3223	2.382	ug/L	89
8) Chloroethane	1.94	64	4028	2.590	ug/L	99
9) Trichlorofluoromethane	2.15	101	8690	2.628	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6413	3.253	ug/L	87
12) 1,1-Dichloroethene	2.59	96	5992	3.288	ug/L #	1
13) Acetone	2.64	43	9132	5.422	ug/L	97
14) Carbon disulfide	2.81	76	15380	2.458	ug/L	98
15) Methyl Acetate	2.96	43	7354	2.677	ug/L	99
16) Methylene chloride	3.06	84	6149	2.845	ug/L	84
17) trans-1,2-Dichloroethene	3.37	96	4866	2.507	ug/L	87
18) Methyl tert-butyl Ether	3.38	73	13605	2.228	ug/L #	89
19) 1,1-Dichloroethane	3.89	63	10149	2.621	ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	5125	2.450	ug/L	89
22) 2-Butanone	4.72	43	11412	5.312	ug/L	97

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

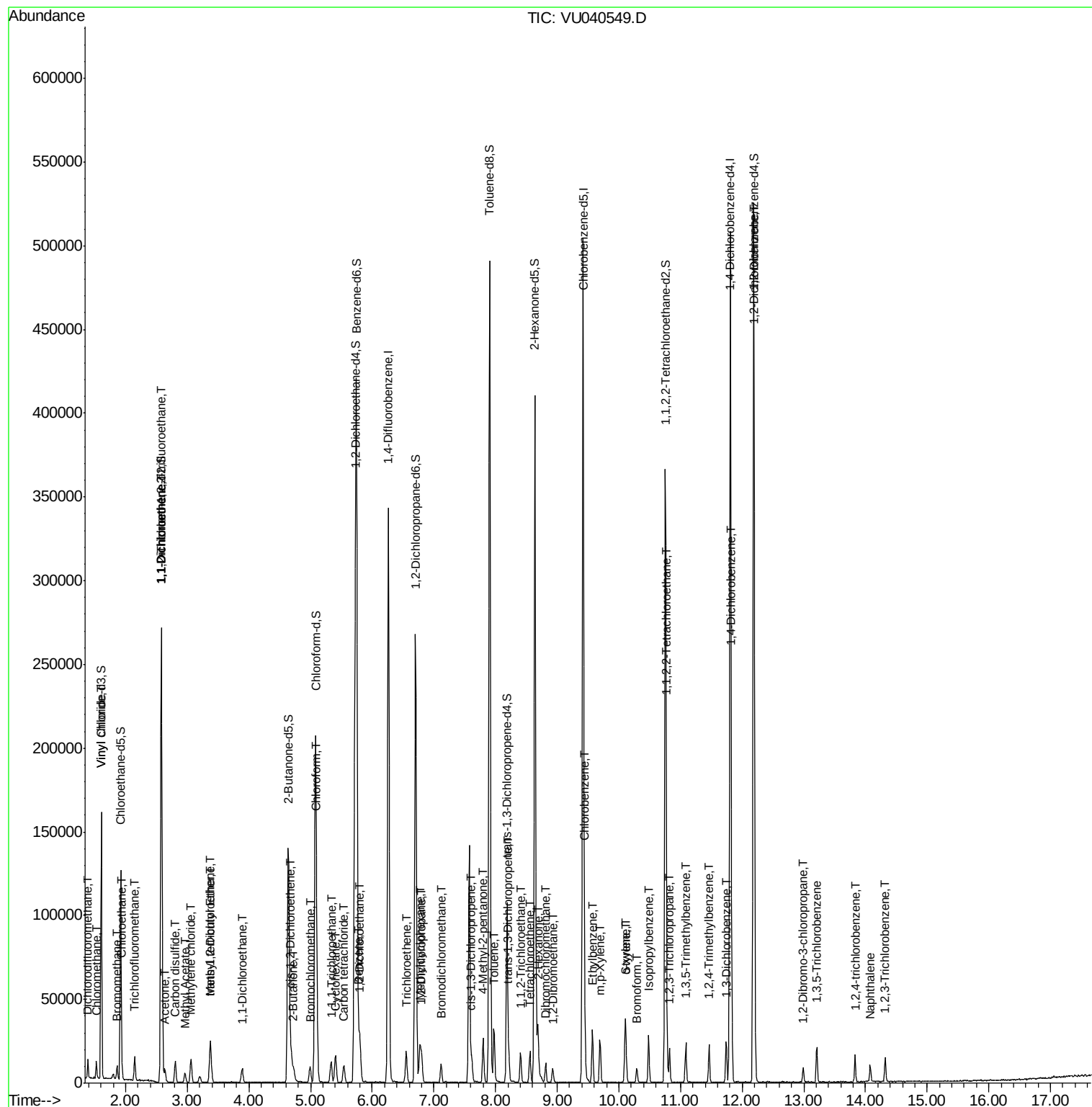
23) Bromochloromethane	4.99	128	2709	2.485	ug/L #	80
25) Chloroform	5.11	83	11909	3.017	ug/L	99
27) 1,2-Dichloroethane	5.81	62	8855	2.718	ug/L	99
29) Cyclohexane	5.40	56	7274	2.093	ug/L #	89
30) 1,1,1-Trichloroethane	5.33	97	8779	2.633	ug/L	94
31) Carbon tetrachloride	5.54	117	6857m	2.378	ug/L	
33) Benzene	5.79	78	21078	2.512	ug/L	100
34) Trichloroethene	6.55	95	5394	2.495	ug/L	97
35) Methylcyclohexane	6.77	83	6992	2.128	ug/L	97
37) 1,2-Dichloropropane	6.80	63	5816	2.524	ug/L	99
38) Bromodichloromethane	7.12	83	7597	2.538	ug/L #	92
39) cis-1,3-Dichloropropene	7.61	75	7732	2.290	ug/L	92
40) 4-Methyl-2-pentanone	7.80	43	17196	4.729	ug/L	96
42) Toluene	7.98	91	20778	2.425	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	8052	2.368	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	5262	2.549	ug/L	87
46) Tetrachloroethene	8.56	164	3735	2.391	ug/L	87
48) 2-Hexanone	8.69	43	18932	6.406	ug/L	98
49) Dibromochloromethane	8.81	129	5717	2.536	ug/L	86
50) 1,2-Dibromoethane	8.93	107	5223	2.387	ug/L	97
51) Chlorobenzene	9.45	112	13640	2.427	ug/L	94
52) Ethylbenzene	9.57	91	20859	2.194	ug/L	89
53) m,p-Xylene	9.69	106	7004	2.000	ug/L	97
54) o-xylene	10.10	106	6272	1.883	ug/L	99
55) Styrene	10.11	104	10632	1.812	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	9759	2.673	ug/L #	98
59) Bromoform	10.29	173	3683	2.442	ug/L #	98
60) 1,2,3-Trichloropropane	10.82	75	7934	2.839	ug/L	96
61) Isopropylbenzene	10.48	105	15800	1.912	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	12524	1.845	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	11577	1.682	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	9667	2.400	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	10171	2.404	ug/L	93
67) 1,2-Dichlorobenzene	12.20	146	10805	2.677	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	2194	2.794	ug/L	88
69) 1,3,5-Trichlorobenzene	13.21	180	6139	2.326	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	4471	1.954	ug/L	95
71) Naphthalene	14.08	128	8838	1.250	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.32	180	4135	1.821	ug/L	99

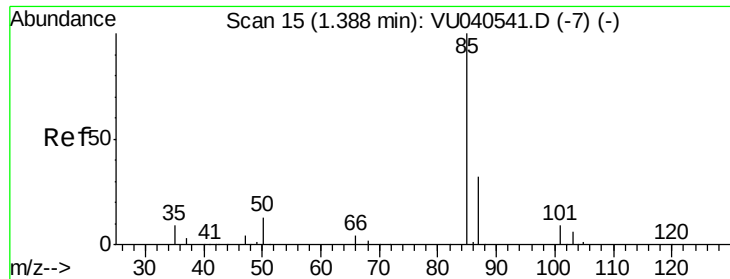
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.493 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

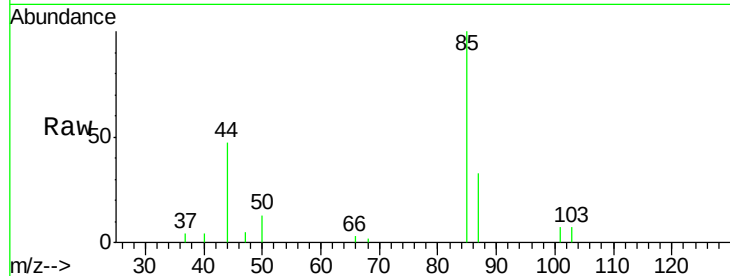
MDL-WATER-06

Tot Ion: 85 Resp: 6178

Ion Ratio Lower Upper

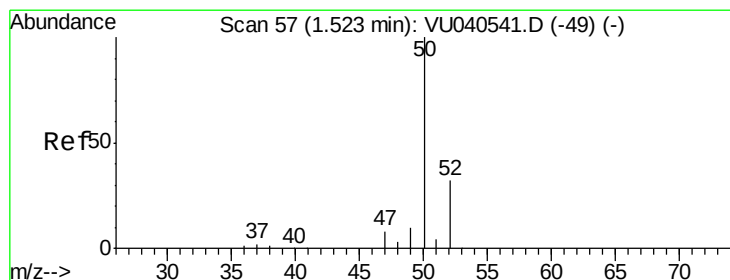
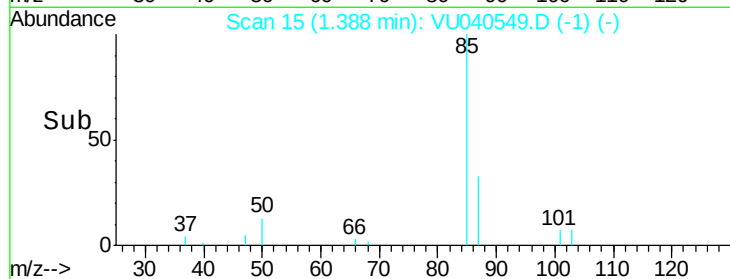
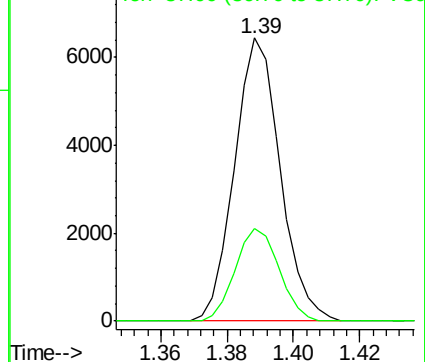
85 100

87 31.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 2.622 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040549.D

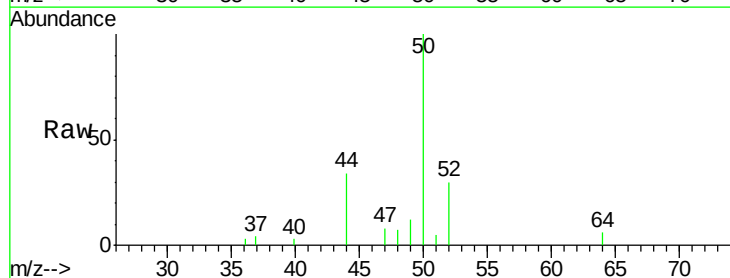
Acq: 07 Oct 2020 17:03

Tgt Ion: 50 Resp: 6827

Ion Ratio Lower Upper

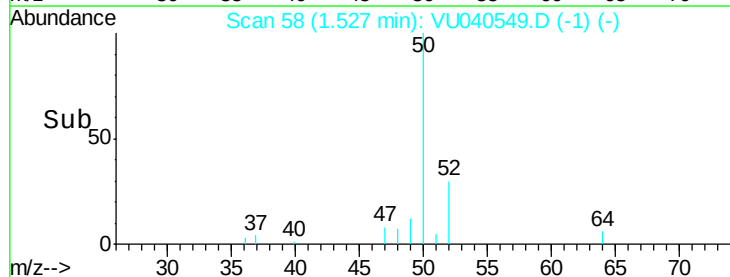
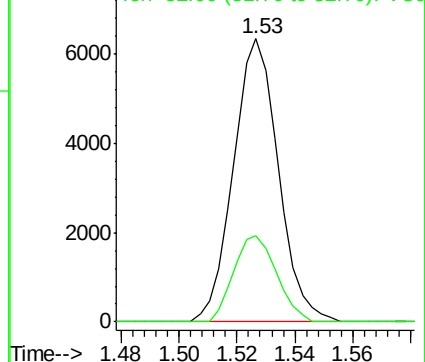
50 100

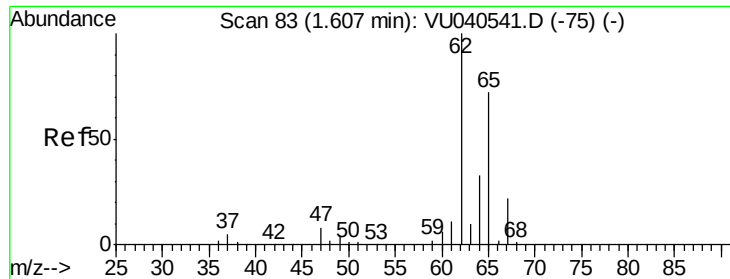
52 30.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.678 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

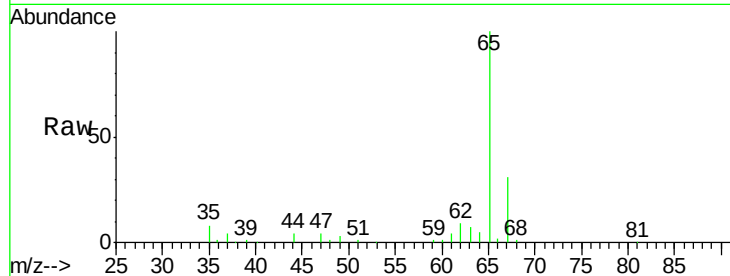
MDL-WATER-06

Tot Ion: 62 Resp: 6905

Ion Ratio Lower Upper

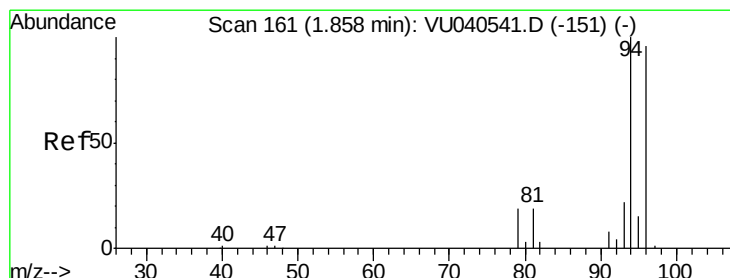
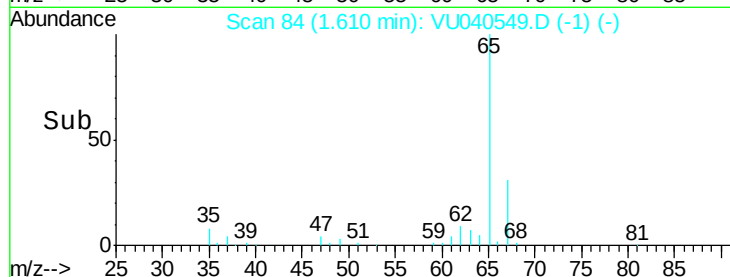
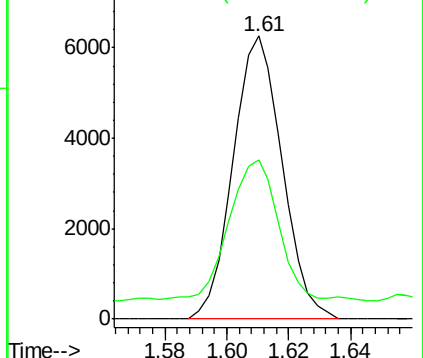
62 100

64 56.0 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: 2.382 ug/L

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU040549.D

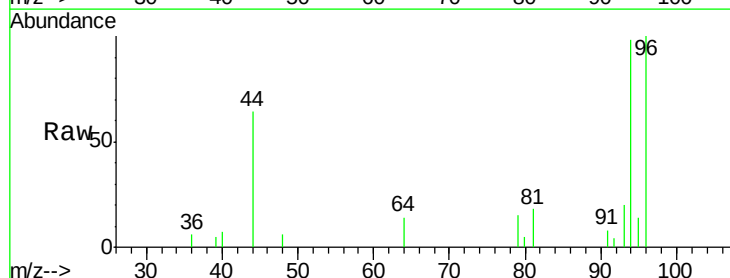
Acq: 07 Oct 2020 17:03

Tgt Ion: 94 Resp: 3223

Ion Ratio Lower Upper

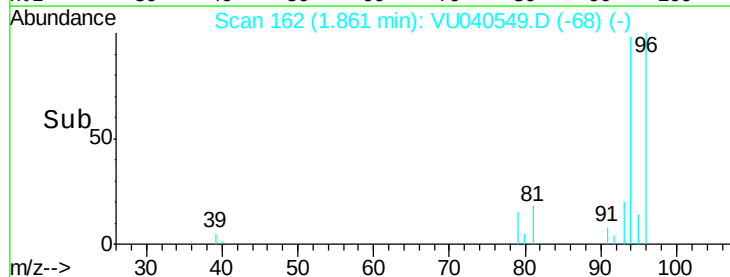
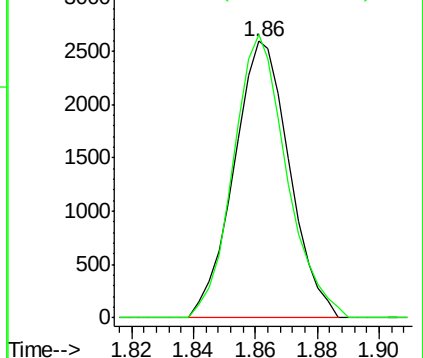
94 100

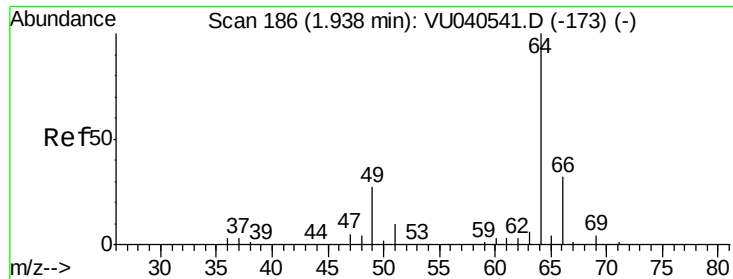
96 102.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

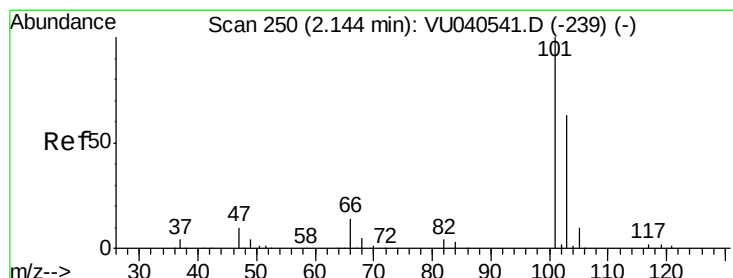
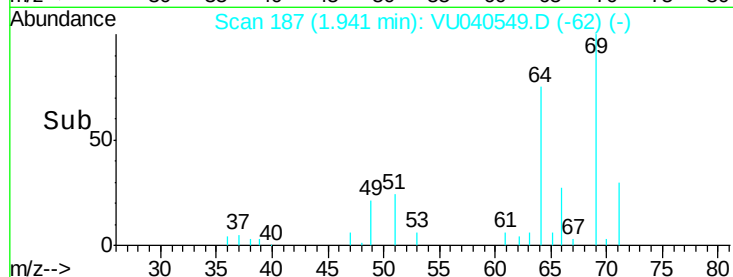
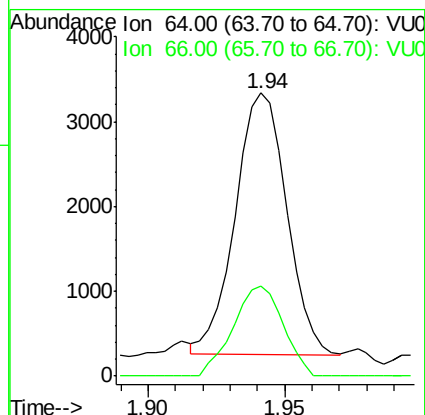
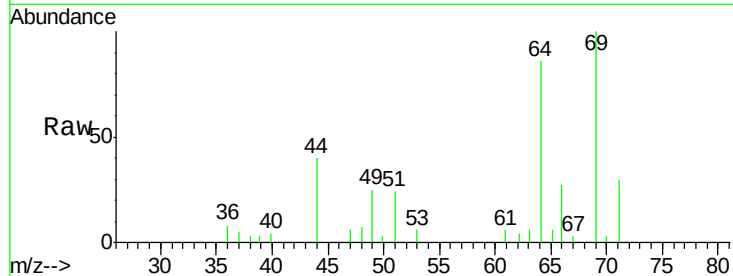




#8
Chloroethane
Concen: 2.590 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

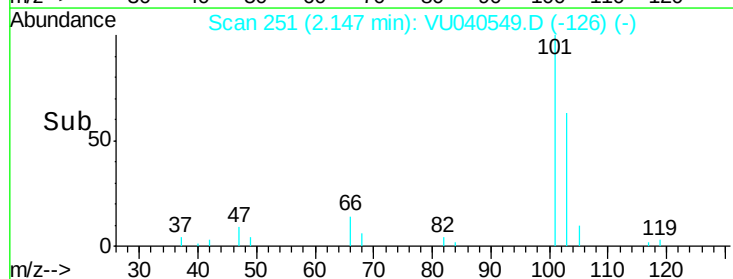
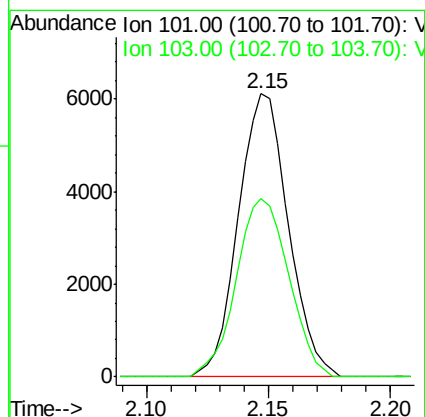
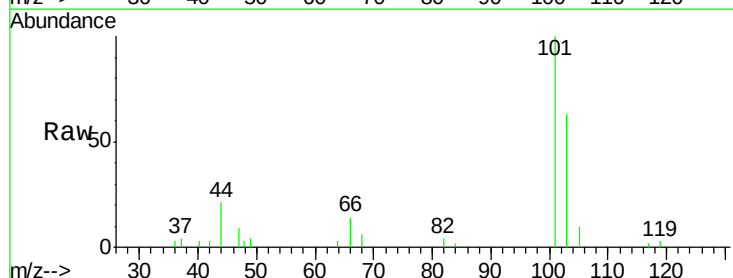
Instrument :
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MDL-WATER-06

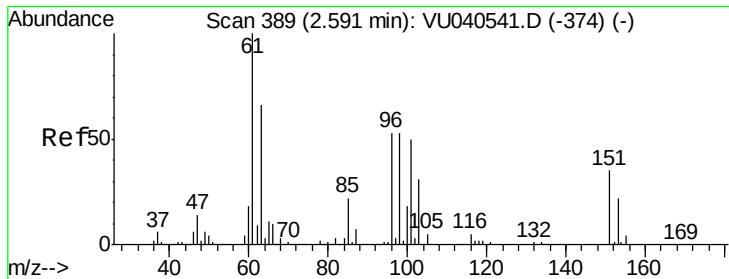
Tot Ion: 64 Resp: 4028
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.628 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

Tgt Ion: 101 Resp: 8690
Ion Ratio Lower Upper
101 100
103 66.1 52.1 78.1





#10

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

Concen: 3.253 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

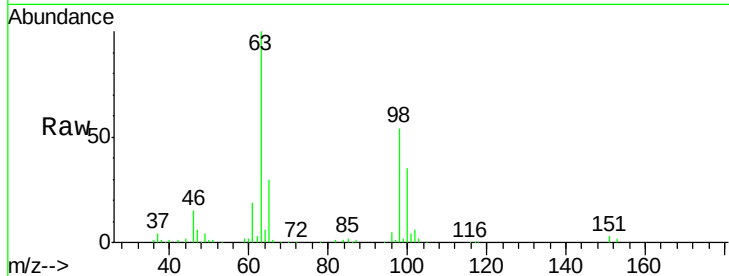
Tot Ion:101 Resp: 6413

Ion Ratio Lower Upper

101 100

85 37.2 35.4 53.2

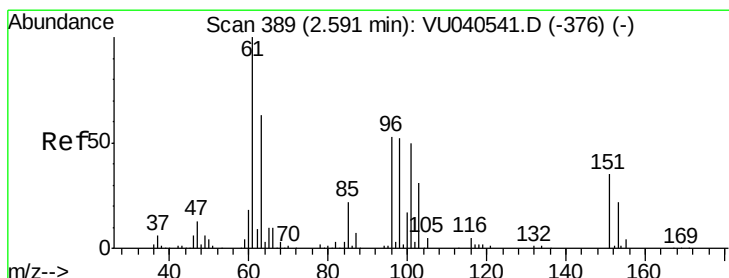
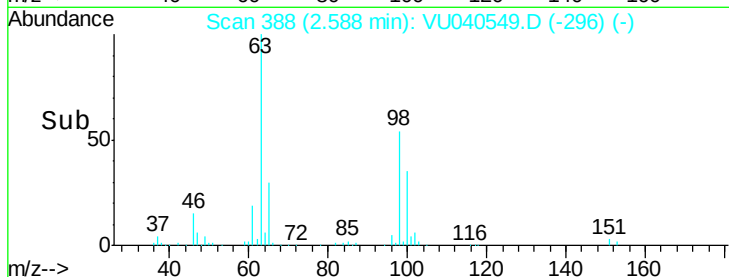
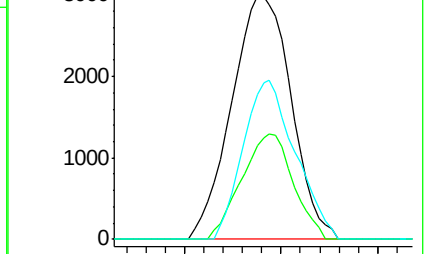
151 57.1 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.288 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

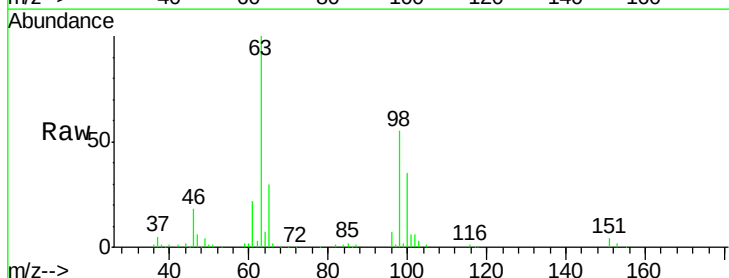
Tgt Ion: 96 Resp: 5992

Ion Ratio Lower Upper

96 100

61 302.9 135.0 250.8#

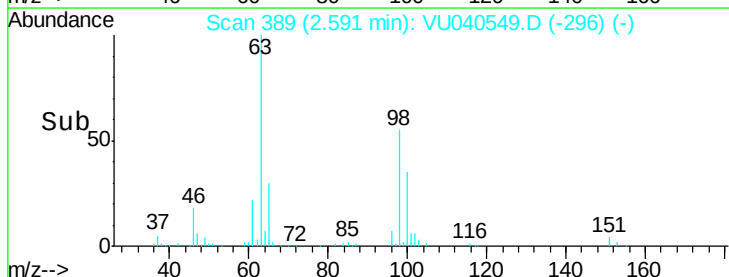
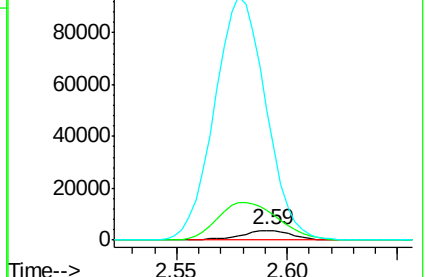
63 1352.8 101.4 188.2#

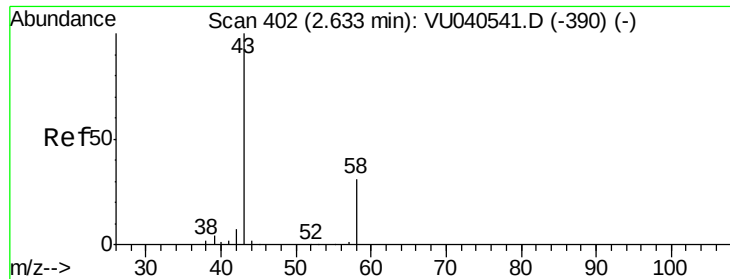


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.422 ug/L

RT: 2.64 min Scan# 404

Delta R.T. 0.01 min

Lab File: VU040549.D

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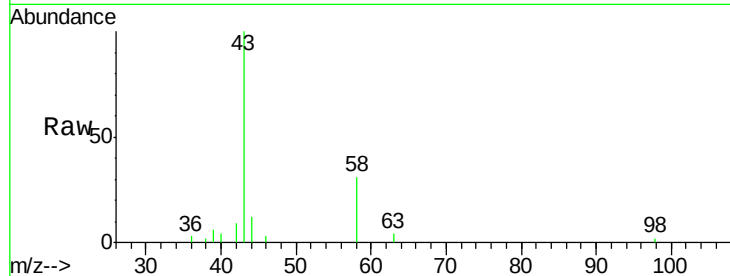
MDL-WATER-06

Tot Ion: 43 Resp: 9132

Ion Ratio Lower Upper

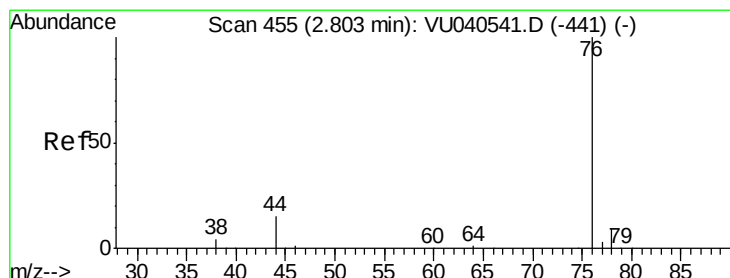
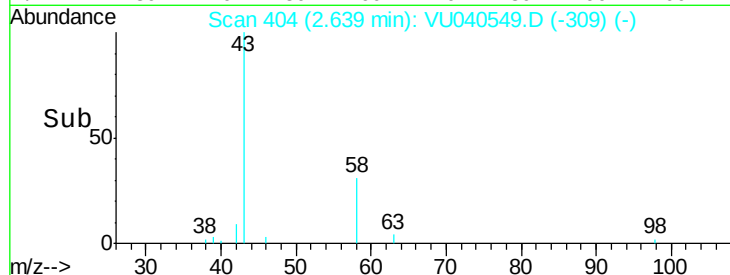
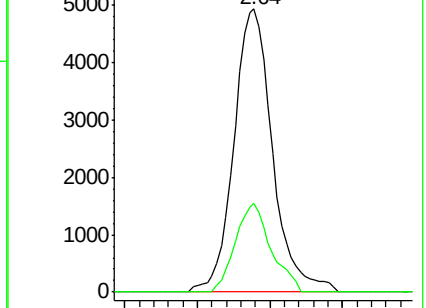
43 100

58 28.7 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU040549.D (-390) (-)

Ion 58.00 (57.70 to 58.70): VU040549.D (-390) (-)



#14

Carbon disulfide

Concen: 2.458 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040549.D

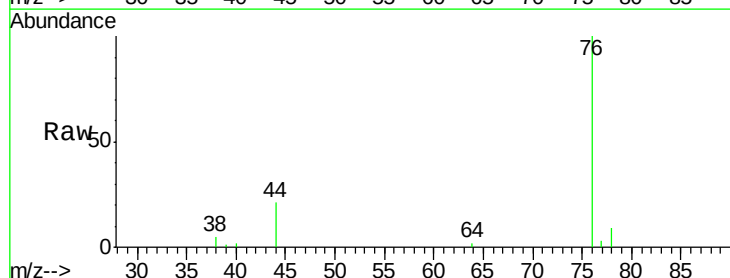
Acq: 07 Oct 2020 17:03

Tgt Ion: 76 Resp: 15380

Ion Ratio Lower Upper

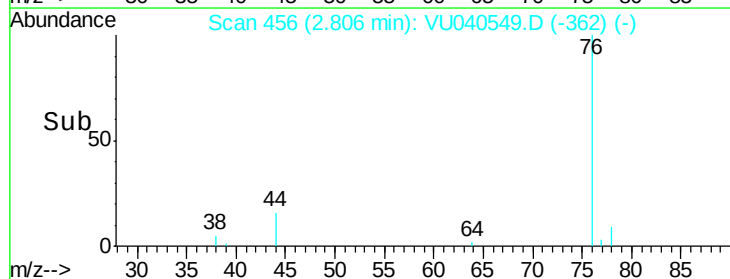
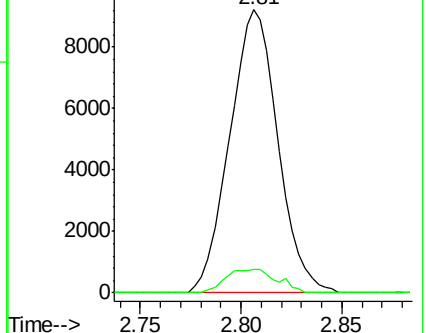
76 100

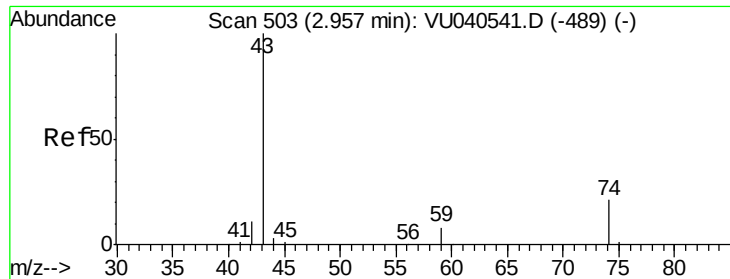
78 8.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU040549.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU040549.D (-362) (-)

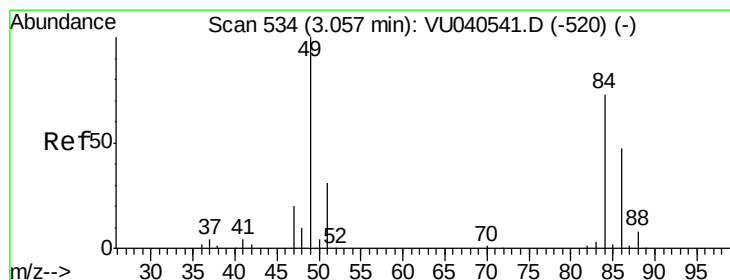
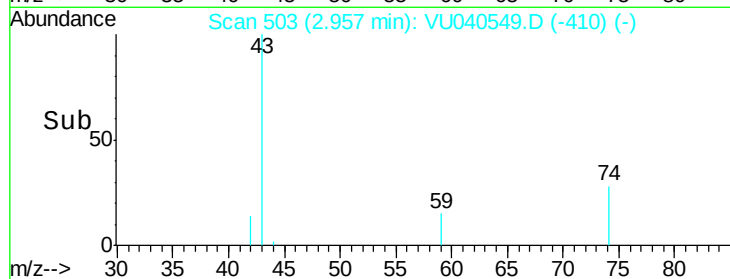
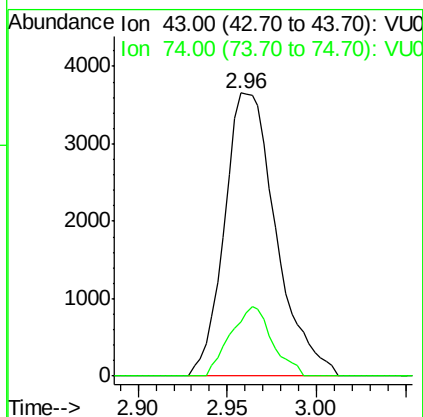
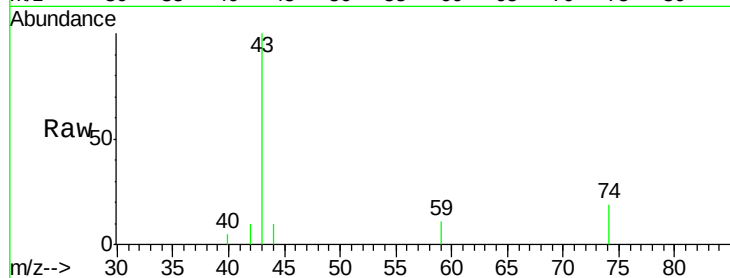




#15
Methvl Acetate
Concen: 2.677 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

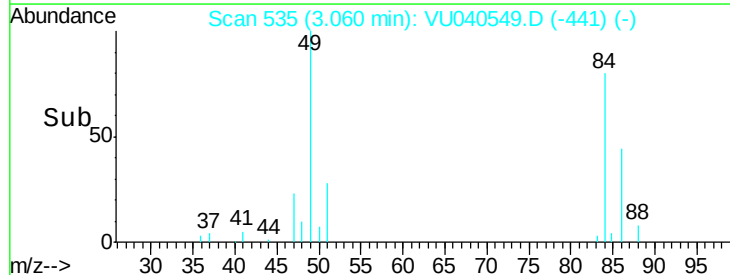
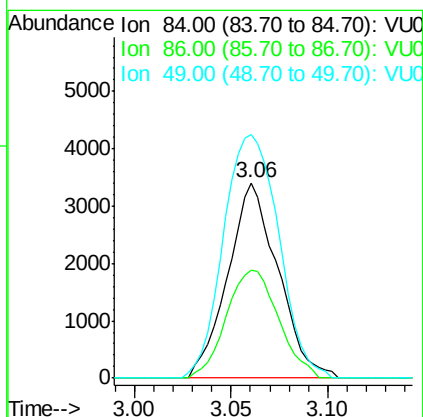
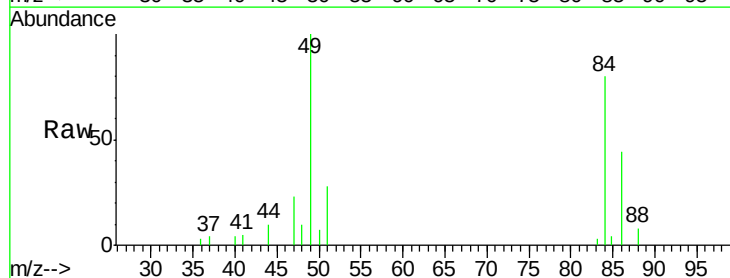
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

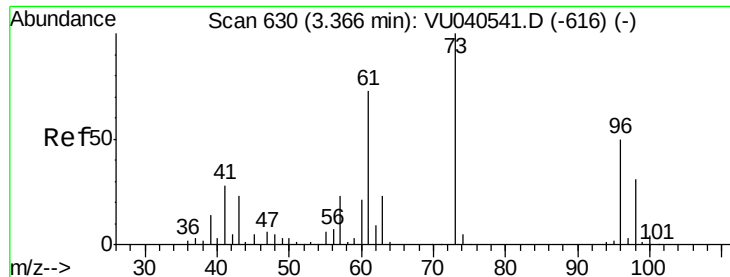
Tot Ion: 43 Resp: 7354
Ion Ratio Lower Upper
43 100
74 19.9 16.4 24.6



#16
Methylene chloride
Concen: 2.845 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

Tgt Ion: 84 Resp: 6149
Ion Ratio Lower Upper
84 100
86 55.2 45.4 84.4
49 124.5 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 2.507 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

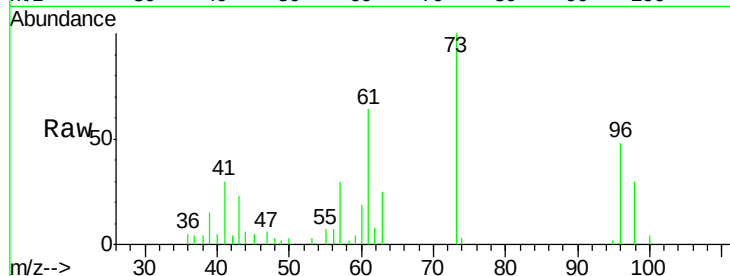
Tot Ion: 96 Resp: 4866

Ion Ratio Lower Upper

96 100

61 133.2 109.6 203.6

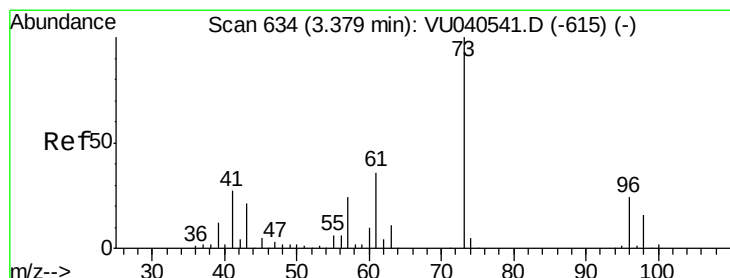
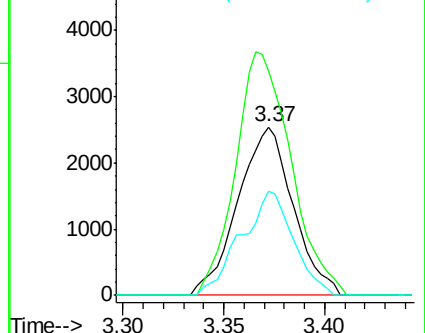
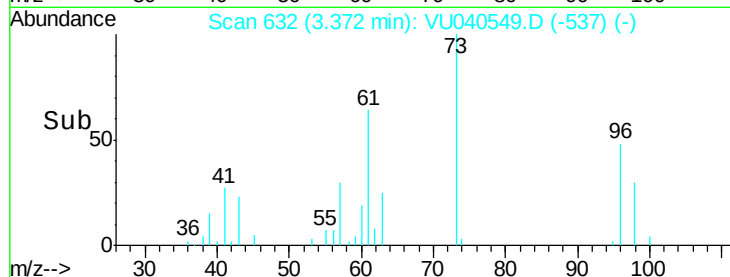
98 61.8 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040549.D (-537) (-)

Ion 61.00 (60.70 to 61.70): VU040549.D (-537) (-)

Ion 98.00 (97.70 to 98.70): VU040549.D (-537) (-)



#18

Methyl tert-butyl Ether

Concen: 2.228 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

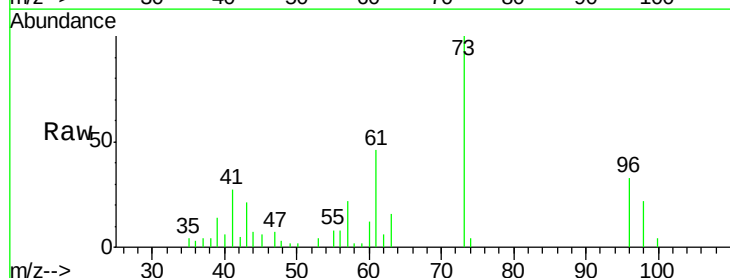
Tgt Ion: 73 Resp: 13605

Ion Ratio Lower Upper

73 100

43 23.1 18.2 27.2

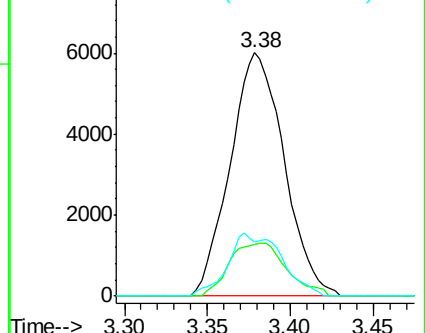
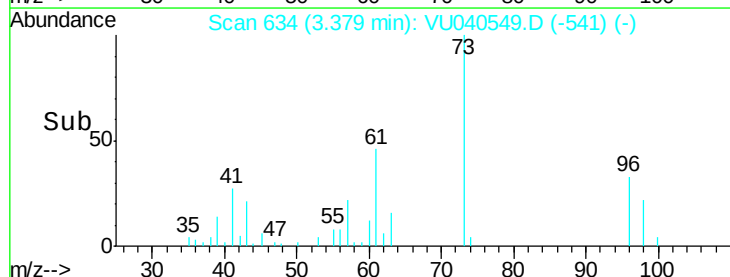
57 13.2 18.5 27.7#

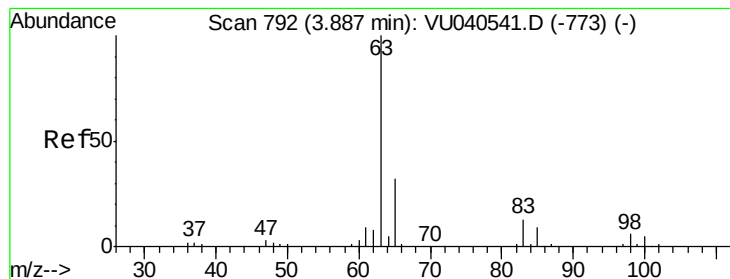


Abundance Ion 73.00 (72.70 to 73.70): VU040549.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040549.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040549.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 2.621 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

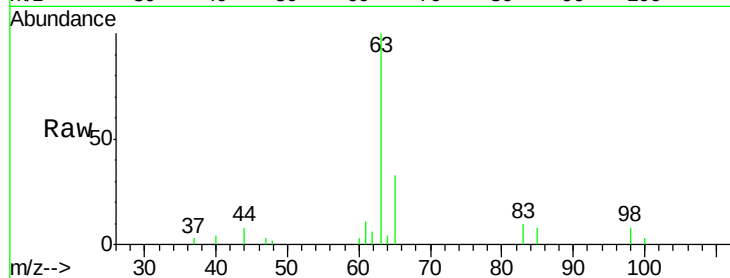
Tot Ion: 63 Resp: 10149

Ion Ratio Lower Upper

63 100

65 33.4 22.6 42.0

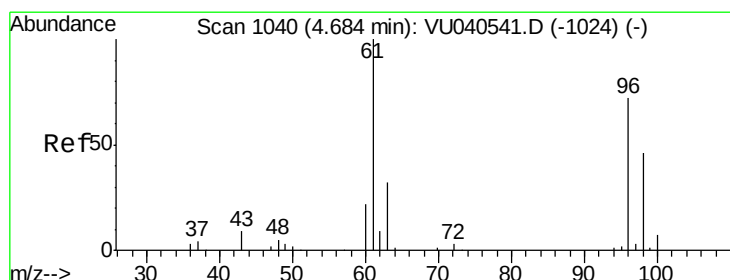
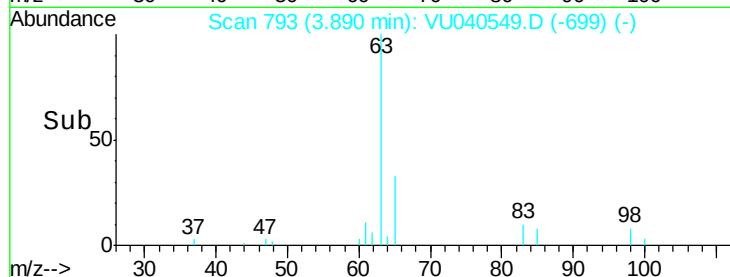
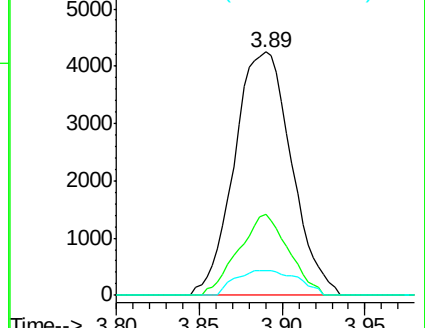
83 10.3 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU040549.D (-699) (-)

Ion 65.00 (64.70 to 65.70): VU040549.D (-699) (-)

Ion 83.00 (82.70 to 83.70): VU040549.D (-699) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.450 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

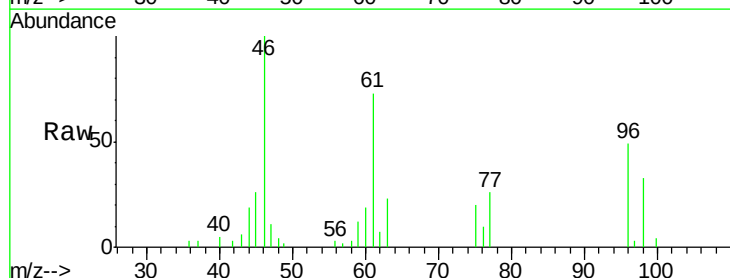
Tgt Ion: 96 Resp: 5125

Ion Ratio Lower Upper

96 100

61 149.5 95.7 177.7

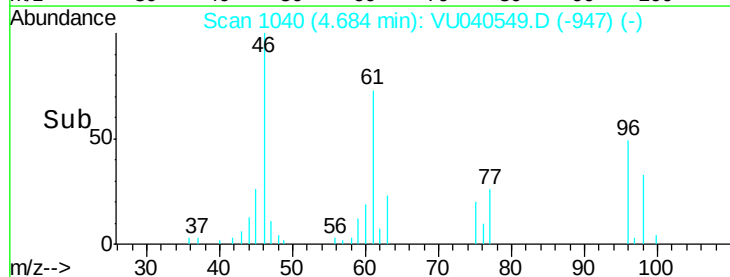
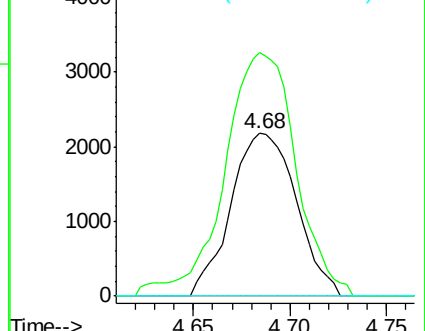
68 0.0 0.0 0.0

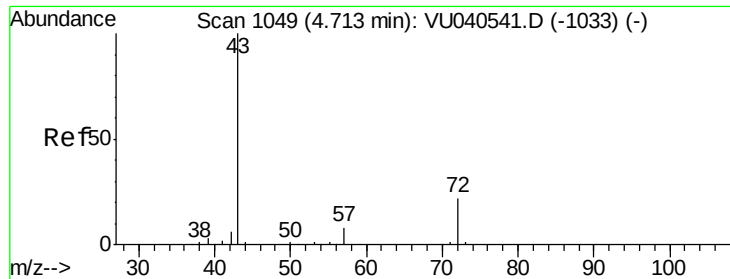


Abundance Ion 96.00 (95.70 to 96.70): VU040549.D (-947) (-)

Ion 61.00 (60.70 to 61.70): VU040549.D (-947) (-)

Ion 68.00 (67.70 to 68.70): VU040549.D (-947) (-)





#22

2-Butanone

Concen: 5.312 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

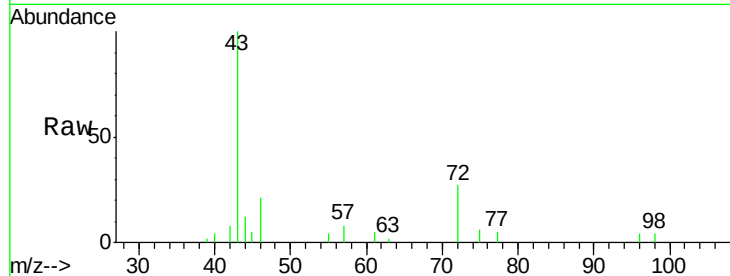
MDL-WATER-06

Tot Ion: 43 Resp: 11412

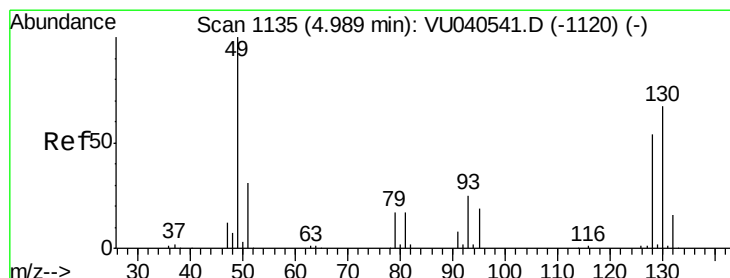
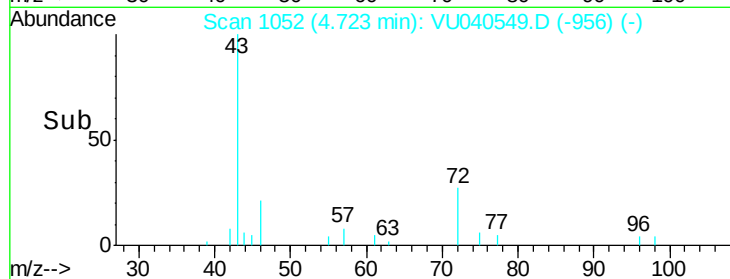
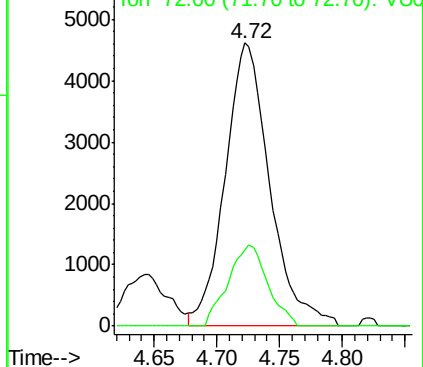
Ion Ratio Lower Upper

43 100

72 25.3 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040549.D (-1033) (-)



#23

Bromochloromethane

Concen: 2.485 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Tgt Ion:128 Resp: 2709

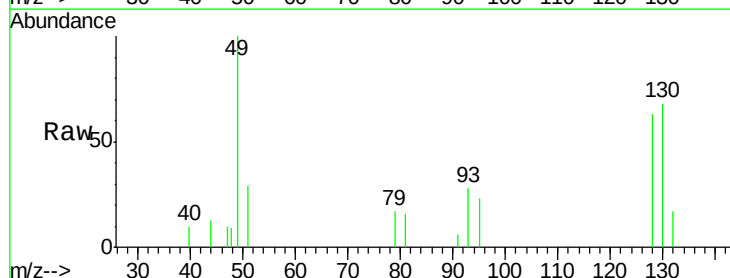
Ion Ratio Lower Upper

128 100

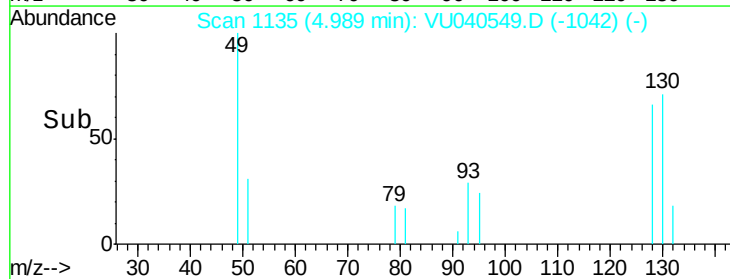
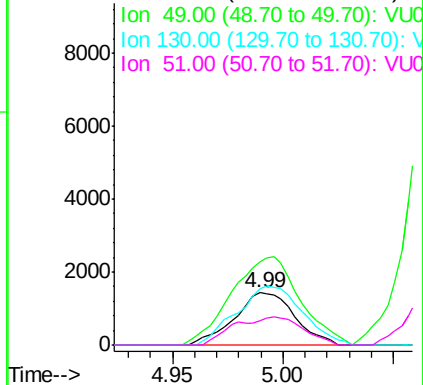
49 159.1 133.1 247.3

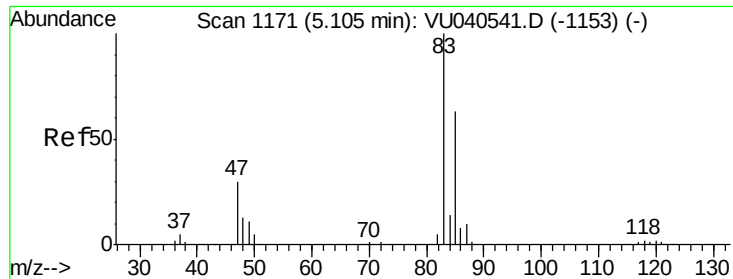
130 108.6 90.5 168.1

51 46.5 48.4 72.6#



Abundance Ion 128.00 (127.70 to 128.70): VU040549.D (-1042) (-)

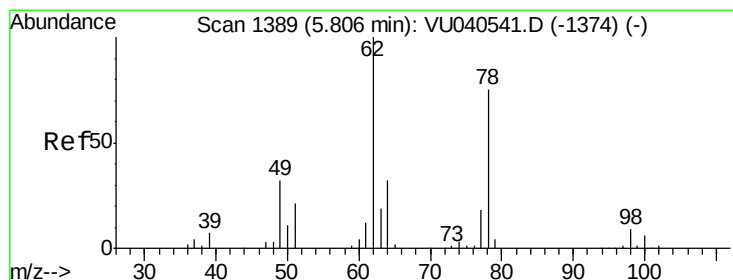
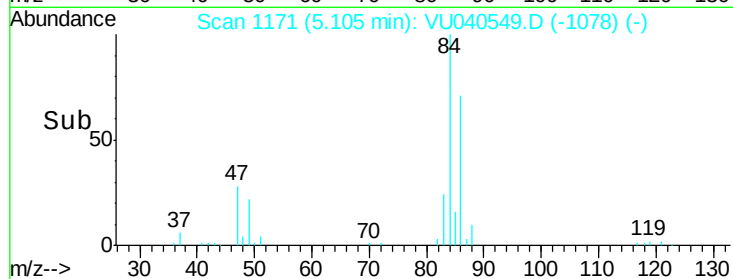
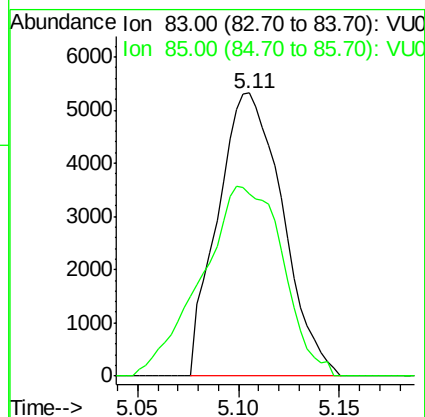
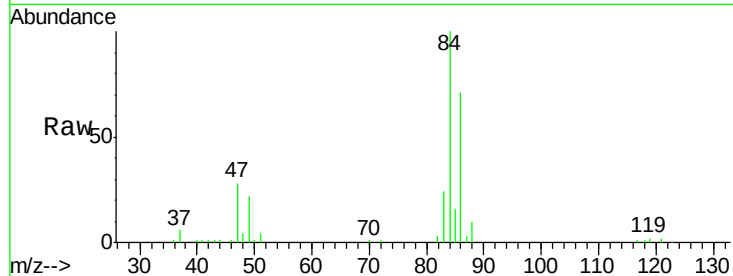




#25
Chloroform
Concen: 3.017 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

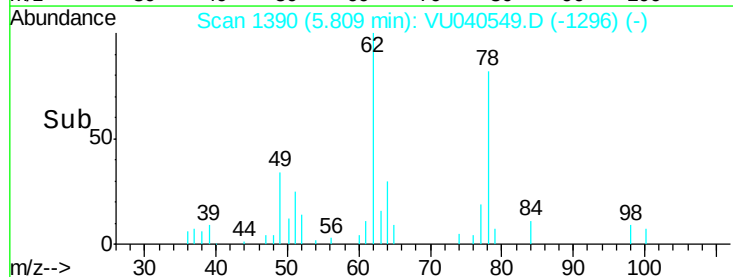
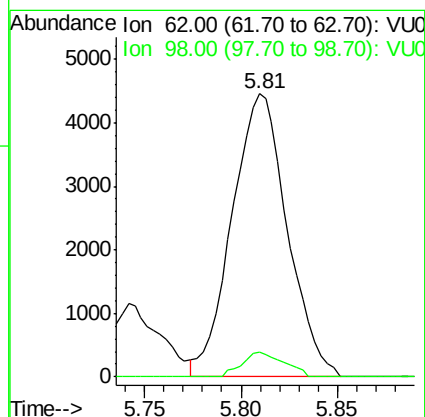
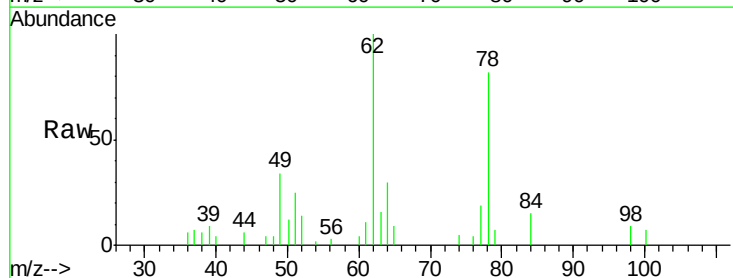
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

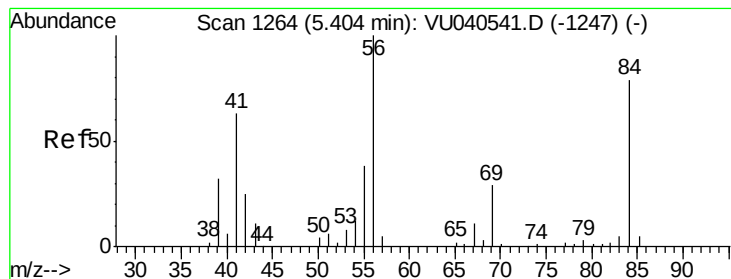
Tot Ion: 83 Resp: 11909
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.718 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

Tgt Ion: 62 Resp: 8855
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7





#29

Cyclohexane

Concen: 2.093 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

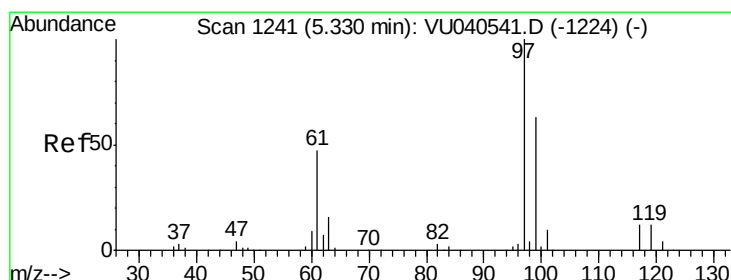
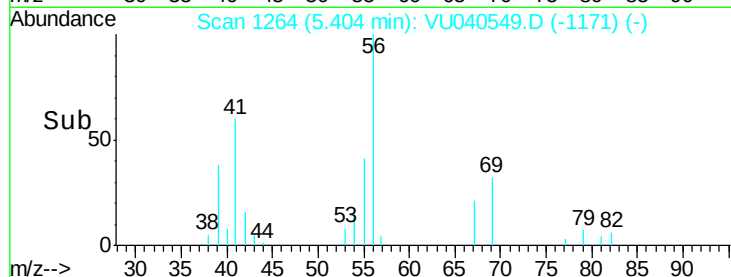
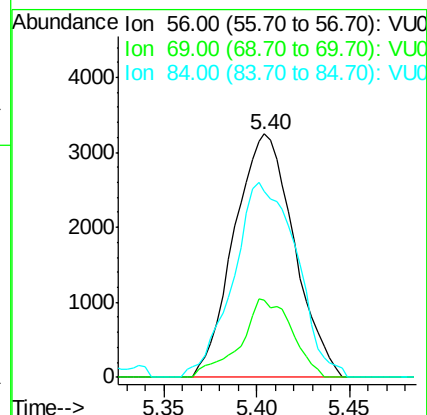
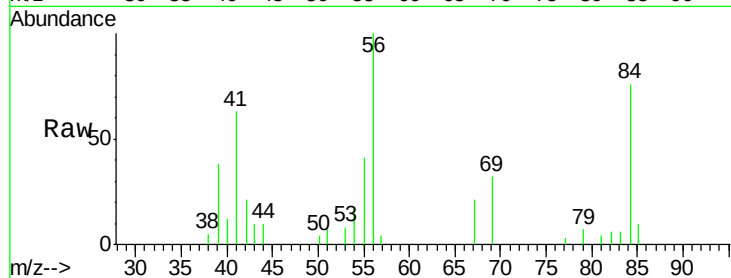
MSVOA_U

ClientSampleId :

MDL-WATER-06

Tot Ion: 56 Resp: 7274

Ion	Ratio	Lower	Upper
56	100		
69	16.8	22.6	34.0#
84	84.8	63.1	94.7



#30

1,1,1-Trichloroethane

Concen: 2.633 ug/L

RT: 5.33 min Scan# 1242

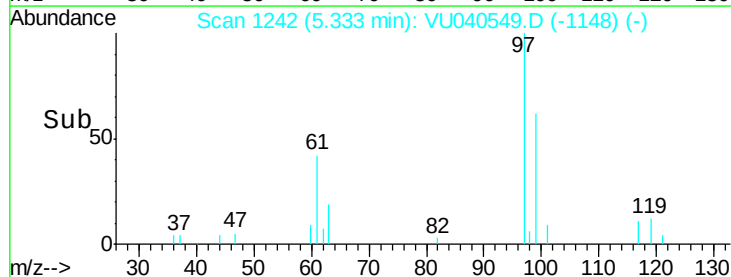
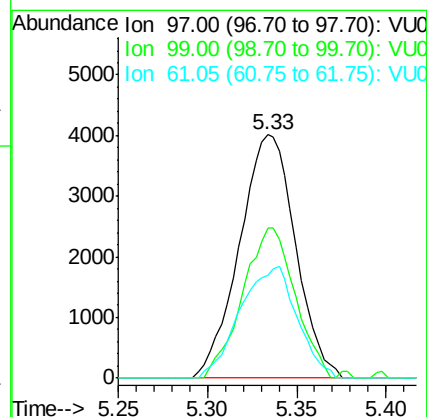
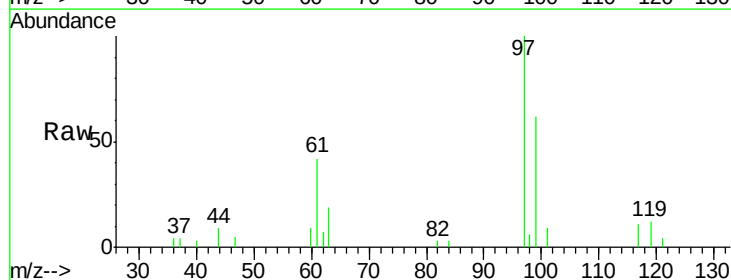
Delta R.T. 0.00 min

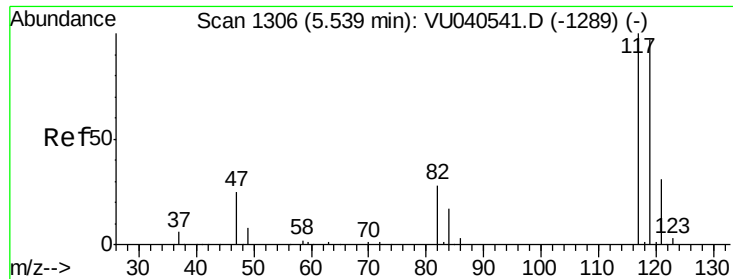
Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Tgt Ion: 97 Resp: 8779

Ion	Ratio	Lower	Upper
97	100		
99	57.8	51.0	76.6
61	46.7	39.4	59.2





#31

Carbon tetrachloride

Concen: 2.378 ug/L m

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

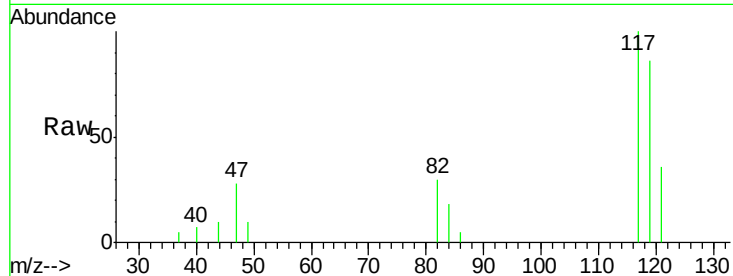
MDL-WATER-06

Tot Ion:117 Resp: 6857

Ion Ratio Lower Upper

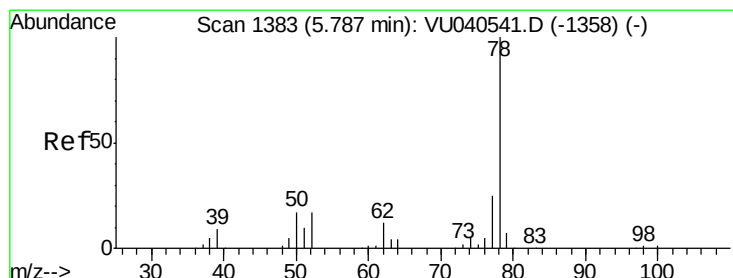
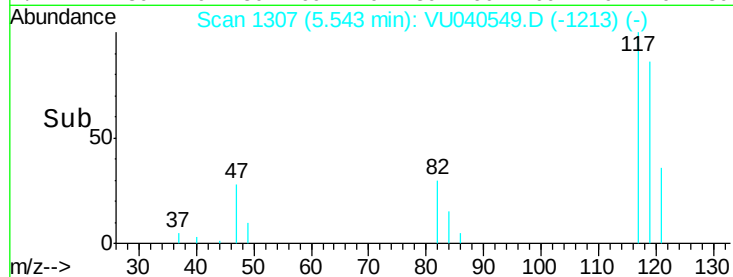
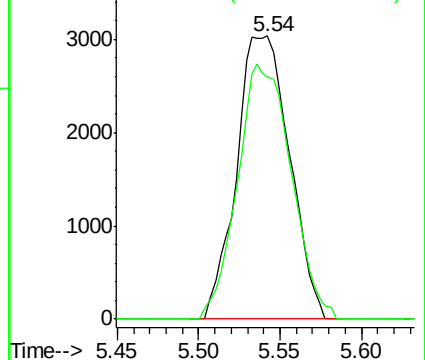
117 100

119 91.3 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.512 ug/L

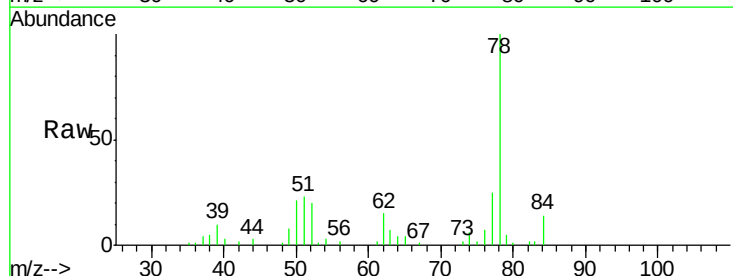
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

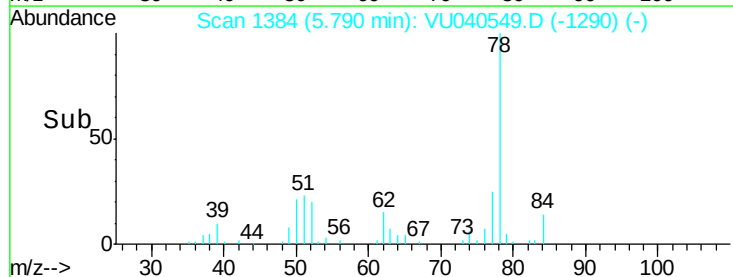
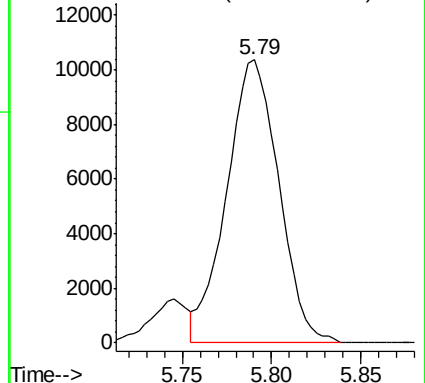
Lab File: VU040549.D

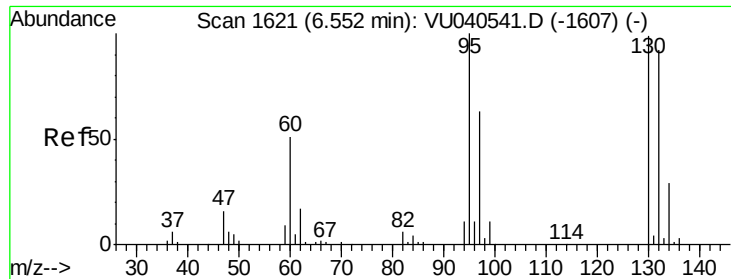
Acq: 07 Oct 2020 17:03

Tgt Ion: 78 Resp: 21078



Abundance Ion 78.00 (77.70 to 78.70): VU0

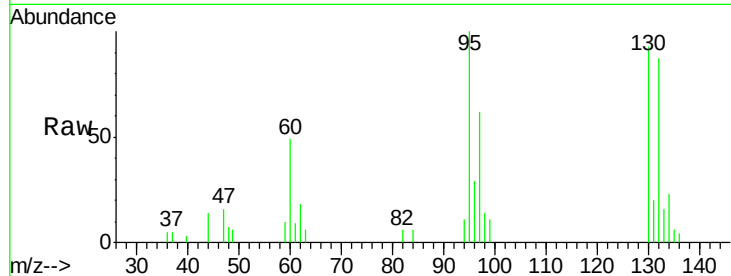




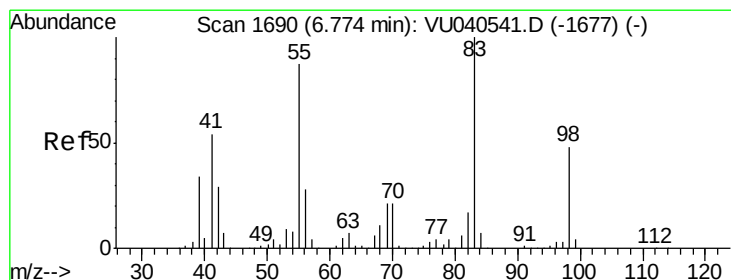
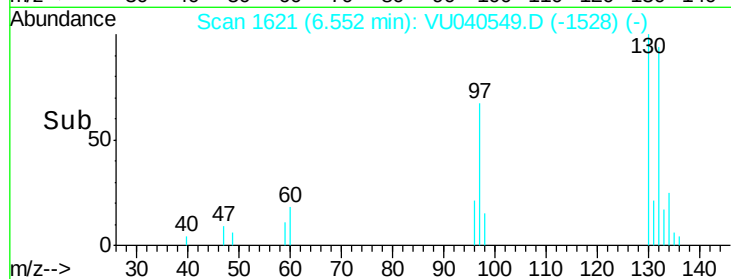
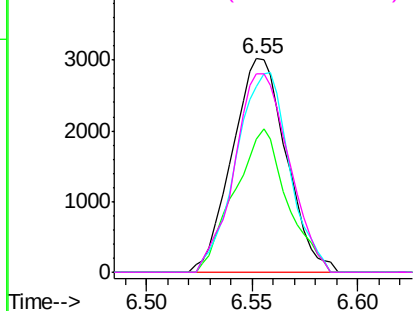
#34
 Trichloroethene
 Concen: 2.495 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

Tot Ion: 95 Resp: 5394
 Ion Ratio Lower Upper
 95 100
 97 62.5 44.3 82.3
 132 87.1 64.2 119.2
 130 92.8 67.3 125.1

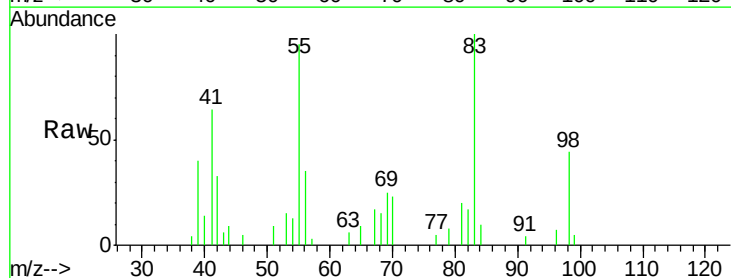


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

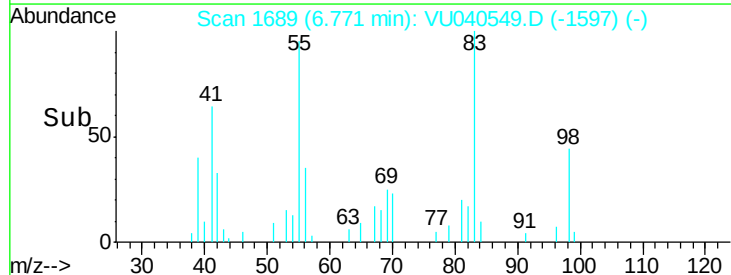
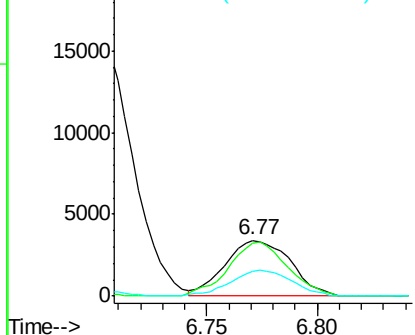


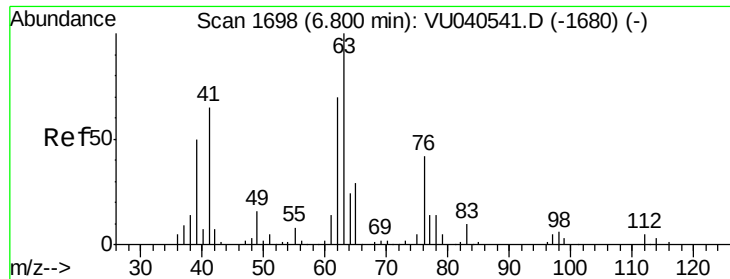
#35
 Methylcyclohexane
 Concen: 2.128 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion: 83 Resp: 6992
 Ion Ratio Lower Upper
 83 100
 55 87.8 69.8 104.8
 98 43.6 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

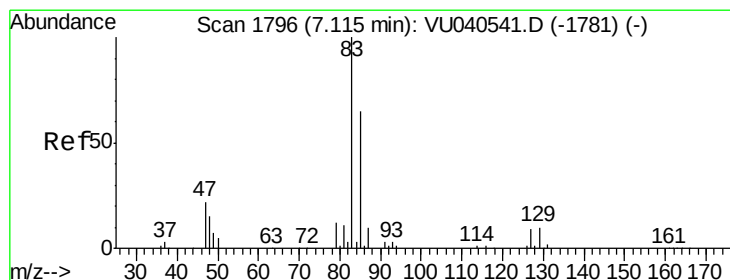
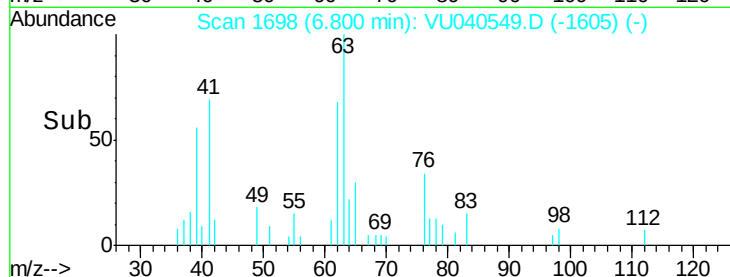
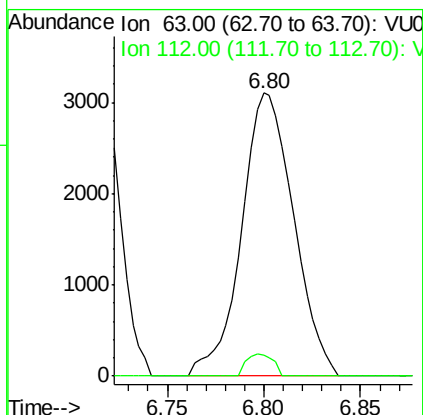
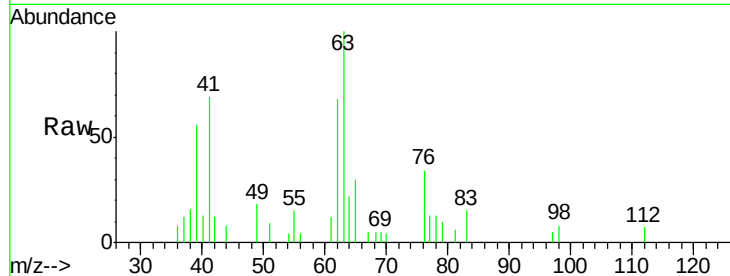




#37
 1,2-Dichloropropane
 Concen: 2.524 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

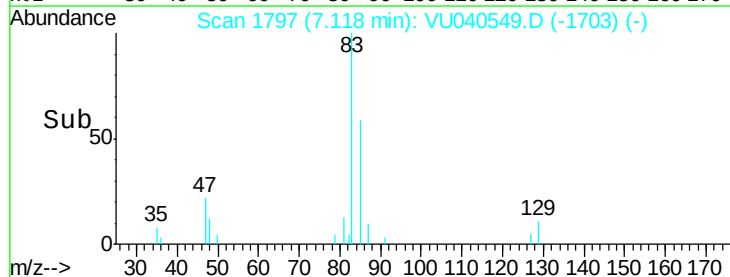
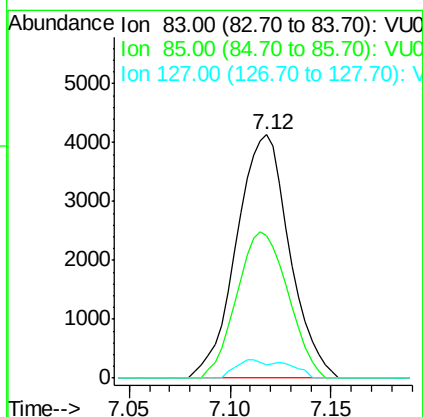
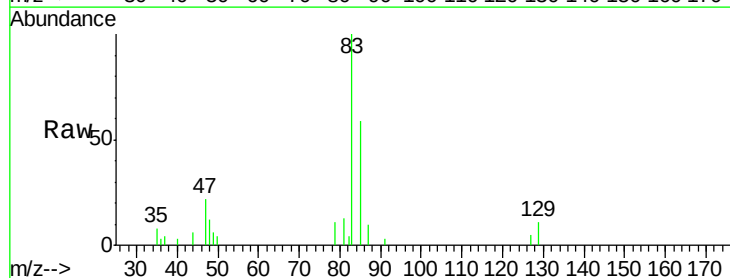
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

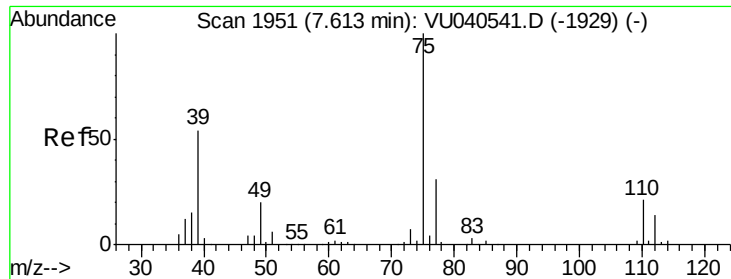
Tot Ion: 63 Resp: 5816
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 2.538 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion: 83 Resp: 7597
 Ion Ratio Lower Upper
 83 100
 85 58.6 45.2 84.0
 127 5.4 6.7 10.1#

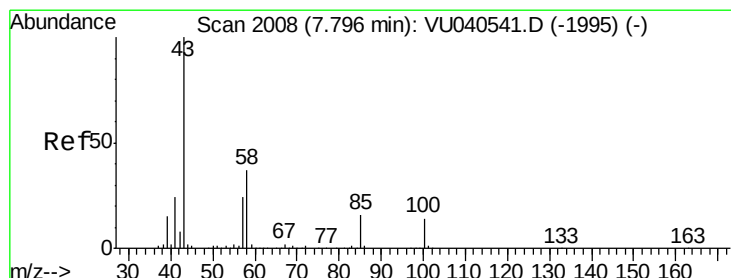
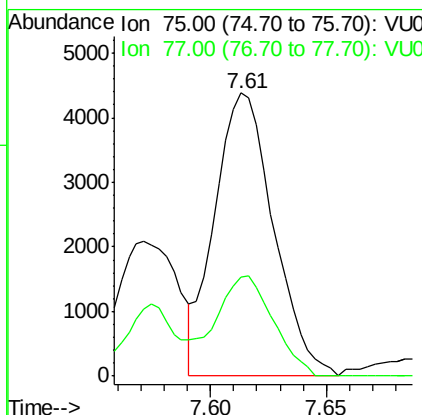
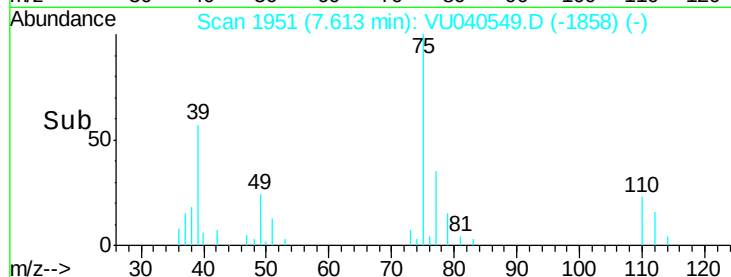
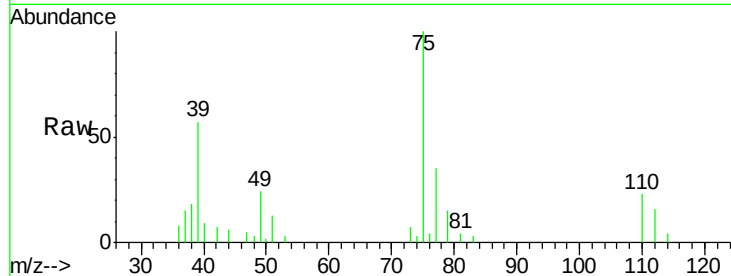




#39
 cis-1,3-Dichloropropene
 Concen: 2.290 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

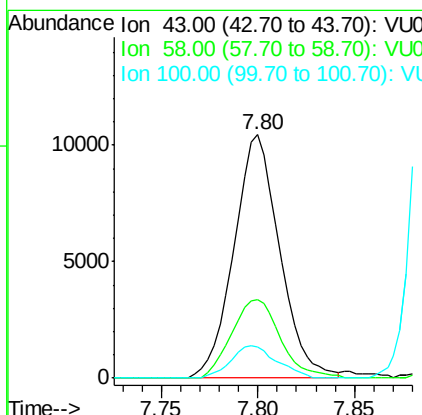
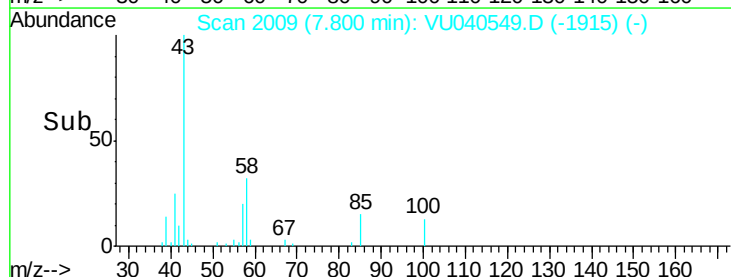
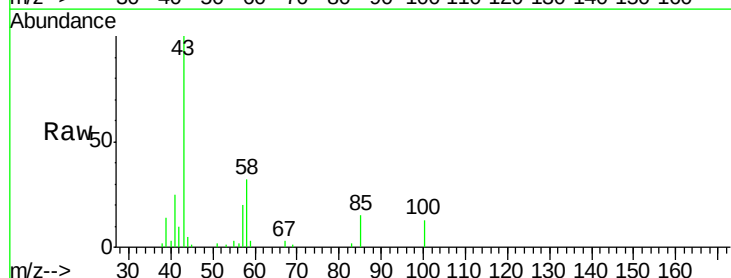
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

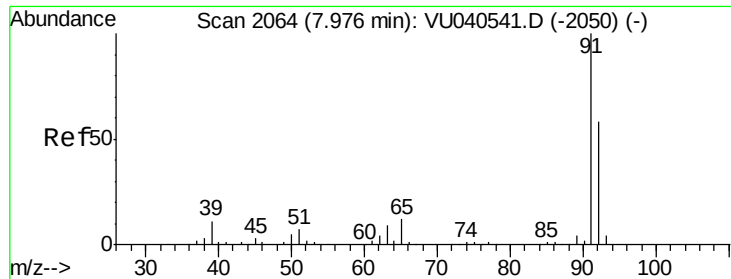
Tot Ion: 75 Resp: 7732
 Ion Ratio Lower Upper
 75 100
 77 35.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 4.729 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion: 43 Resp: 17196
 Ion Ratio Lower Upper
 43 100
 58 34.3 29.7 44.5
 100 13.4 10.5 15.7





#42

Toluene

Concen: 2.425 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

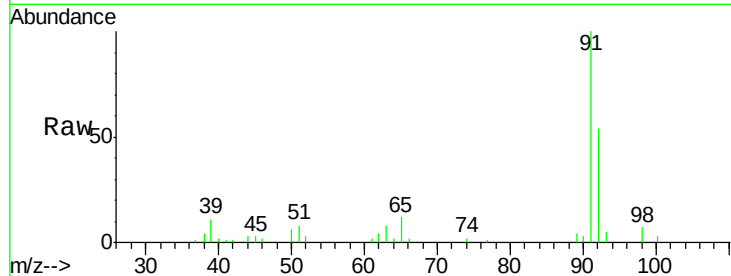
MDL-WATER-06

Tot Ion: 91 Resp: 20778

Ion Ratio Lower Upper

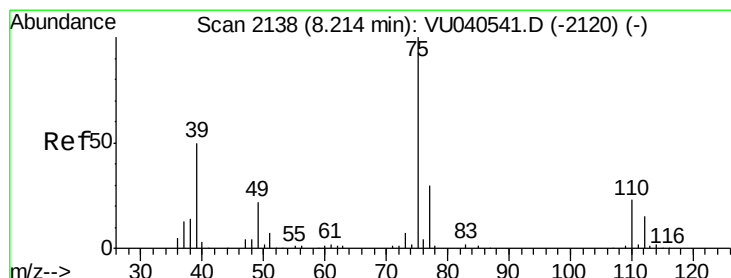
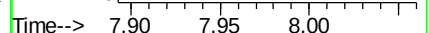
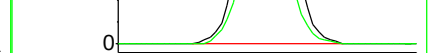
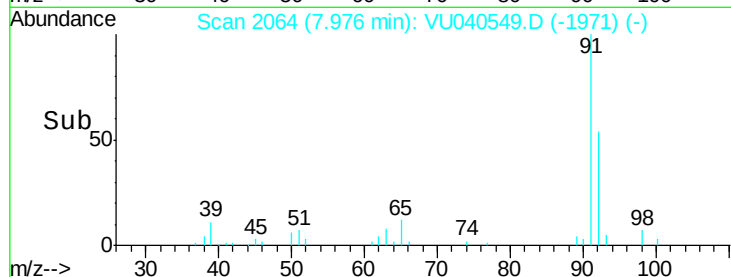
91 100

92 53.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040549.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU040549.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.368 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040549.D

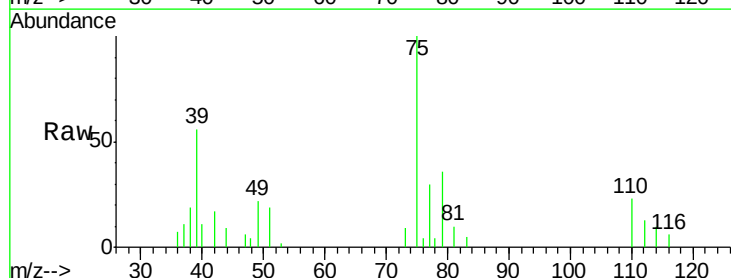
Acq: 07 Oct 2020 17:03

Tgt Ion: 75 Resp: 8052

Ion Ratio Lower Upper

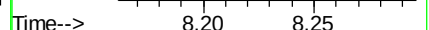
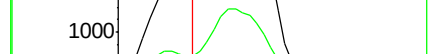
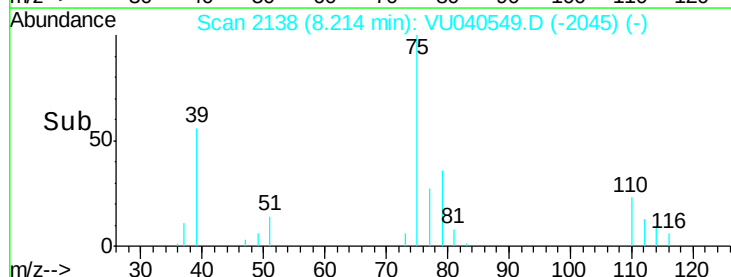
75 100

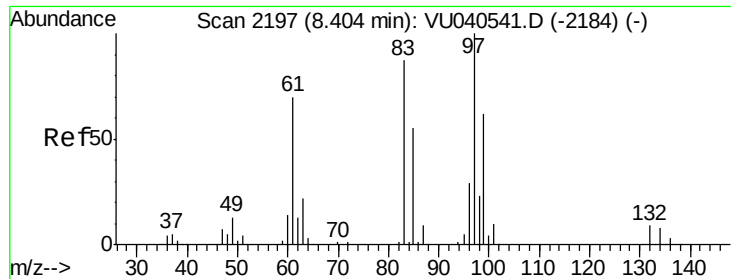
77 30.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040549.D (-2045) (-)

Ion 77.00 (76.70 to 77.70): VU040549.D (-2045) (-)

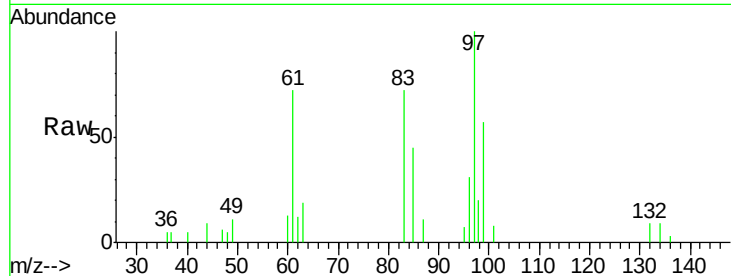




#45
 1,1,2-Trichloroethane
 Concen: 2.549 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

Tot Ion:	97	Resp:	5262
Ion	Ratio	Lower	Upper
97	100		
99	56.9	42.7	79.3
83	72.3	61.0	113.4
85	45.5	39.8	73.8



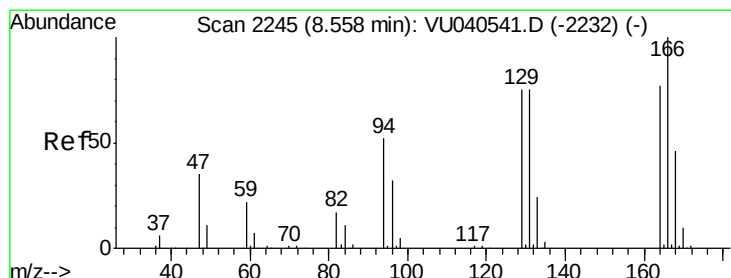
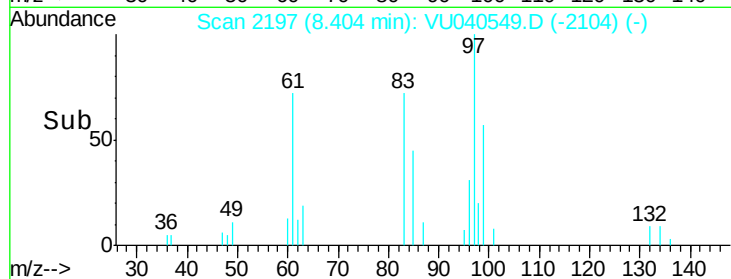
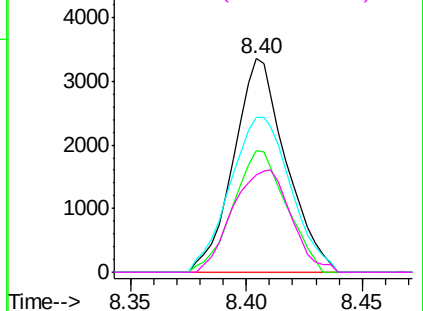
Abundance

Ion 97.00 (96.70 to 97.70): VU040549.D (-2104) (-)

Ion 99.00 (98.70 to 99.70): VU040549.D (-2104) (-)

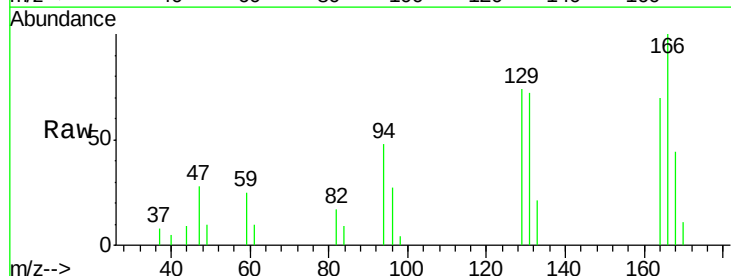
Ion 83.00 (82.70 to 83.70): VU040549.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU040549.D (-2104) (-)



#46
 Tetrachloroethene
 Concen: 2.391 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion:	164	Resp:	3735
Ion	Ratio	Lower	Upper
164	100		
129	106.4	67.4	125.2
131	103.4	63.8	118.6
166	143.5	88.7	164.7



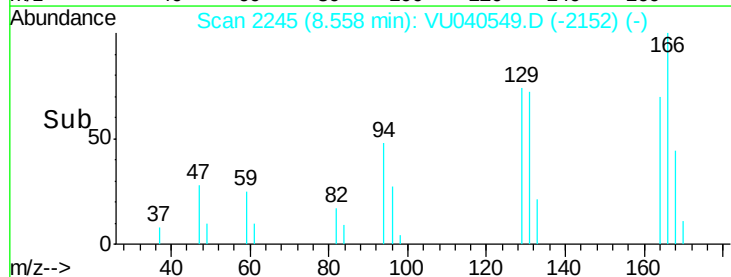
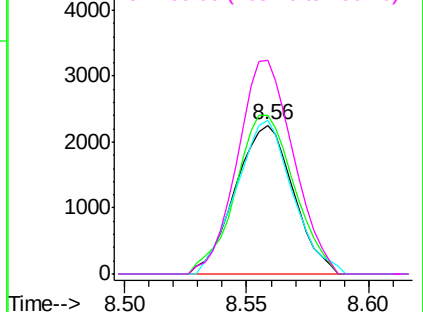
Abundance

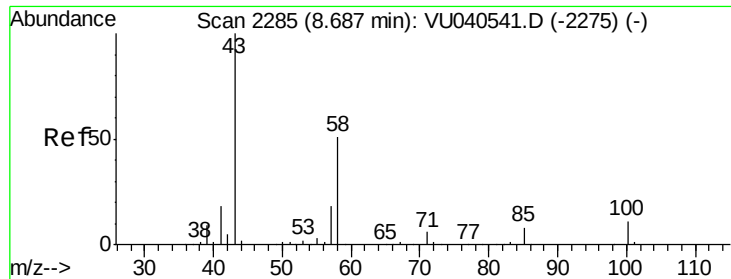
Ion 164.00 (163.70 to 164.70): VU040549.D (-2152) (-)

Ion 129.00 (128.70 to 129.70): VU040549.D (-2152) (-)

Ion 131.00 (130.70 to 131.70): VU040549.D (-2152) (-)

Ion 166.00 (165.70 to 166.70): VU040549.D (-2152) (-)

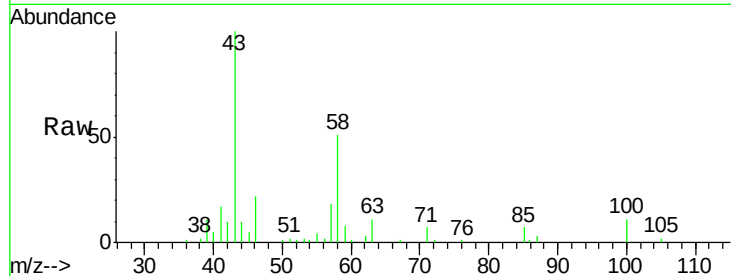




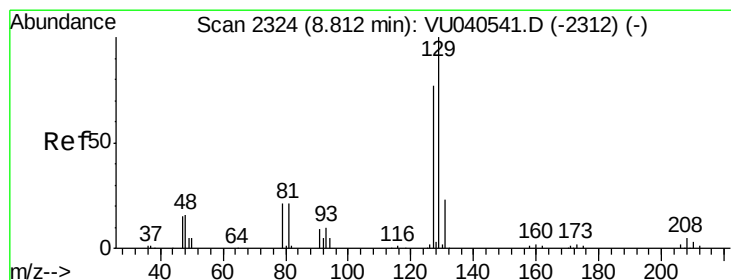
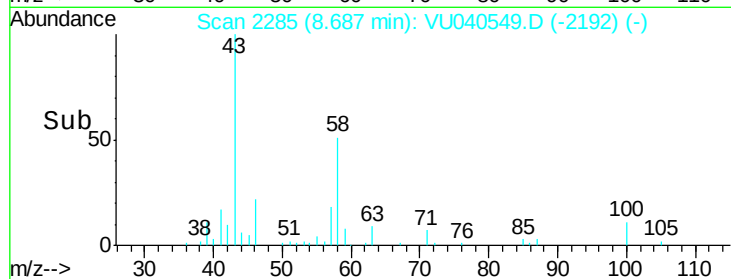
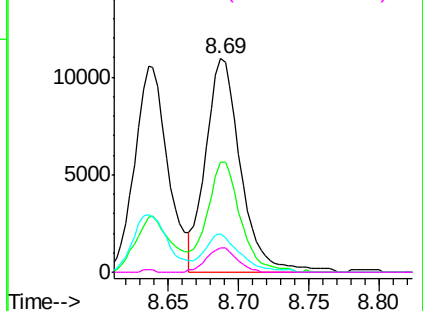
#48
2-Hexanone
Concen: 6.406 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

Tot Ion:	43	Resp:	18932
Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.6	60.8
57	18.3	14.3	21.5
100	9.7	8.5	12.7

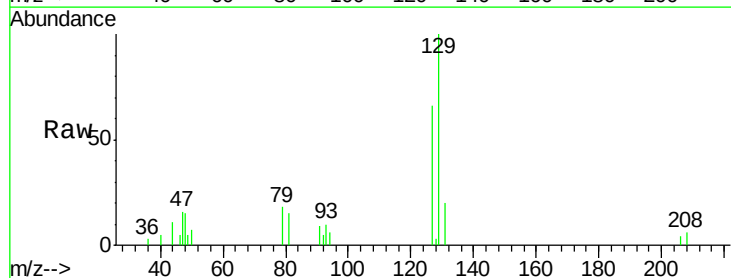


Abundance Ion 43.00 (42.70 to 43.70): VU040549.D (-2192) (-)
Ion 58.00 (57.70 to 58.70): VU040549.D (-2192) (-)
Ion 57.00 (56.70 to 57.70): VU040549.D (-2192) (-)
Ion 100.00 (99.70 to 100.70): VU040549.D (-2192) (-)

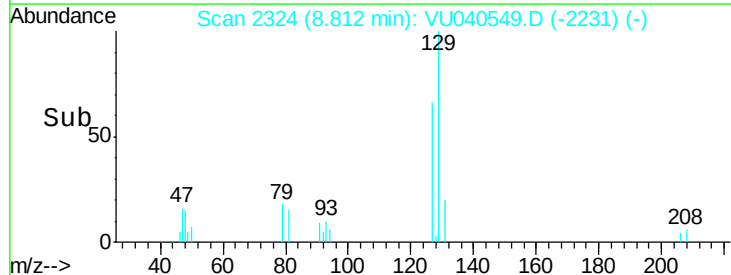
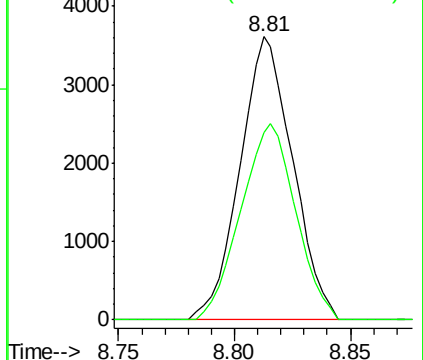


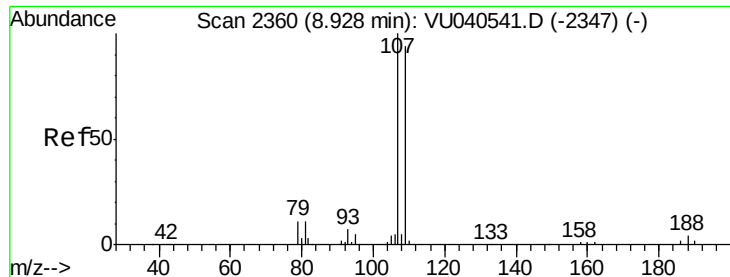
#49
Dibromochloromethane
Concen: 2.536 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

Tgt Ion:	129	Resp:	5717
Ion	Ratio	Lower	Upper
129	100		
127	66.1	54.9	102.1



Abundance Ion 129.00 (128.70 to 129.70): VU040549.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VU040549.D (-2231) (-)

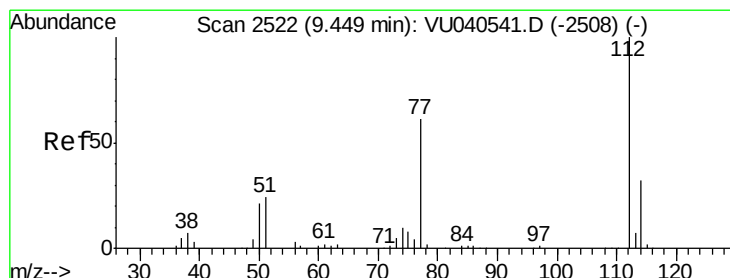
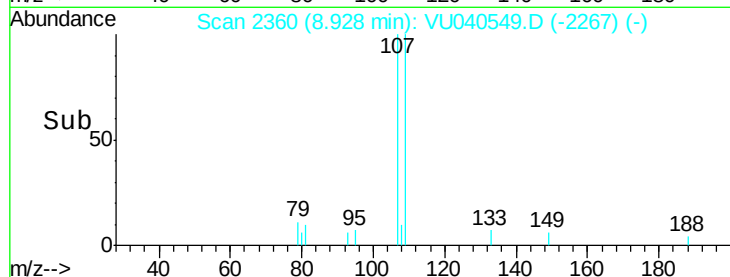
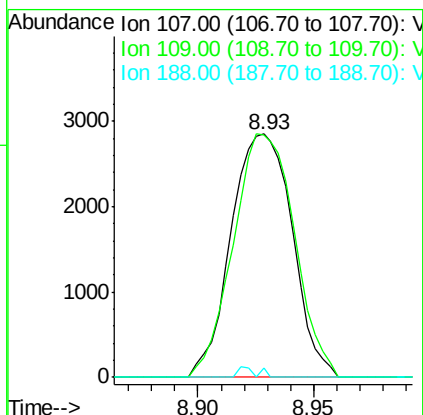
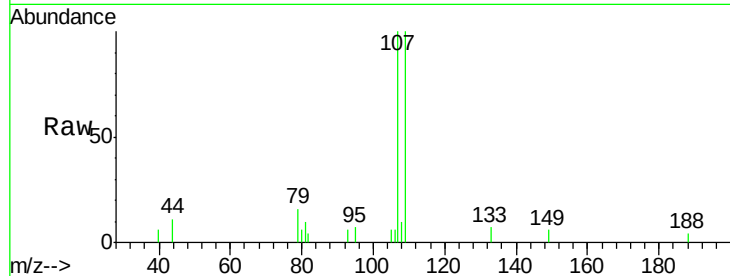




#50
1,2-Dibromoethane
Concen: 2.387 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

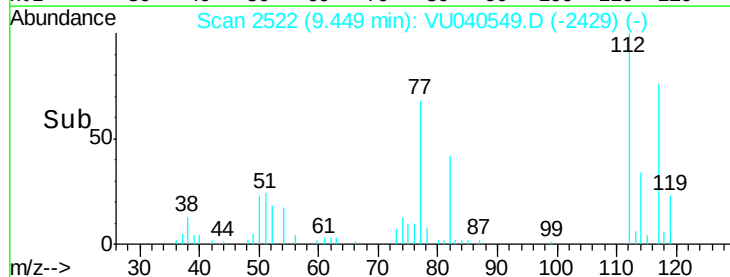
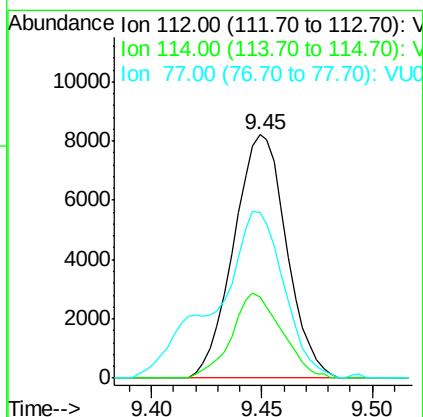
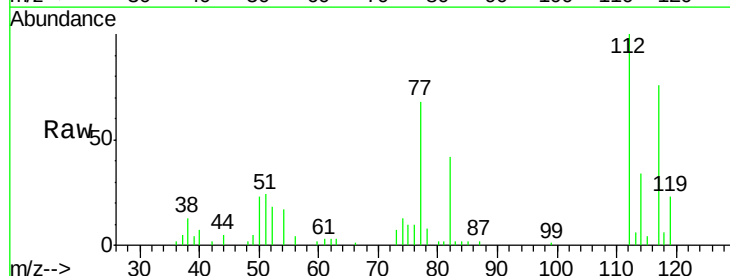
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

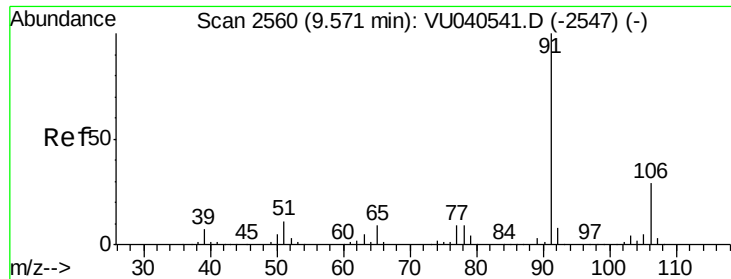
Tot Ion:107 Resp: 5223
Ion Ratio Lower Upper
107 100
109 99.6 67.8 125.8
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 2.427 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040549.D
Acq: 07 Oct 2020 17:03

Tgt Ion:112 Resp: 13640
Ion Ratio Lower Upper
112 100
114 33.5 22.1 41.1
77 68.1 50.4 75.6





#52

Ethylbenzene

Concen: 2.194 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

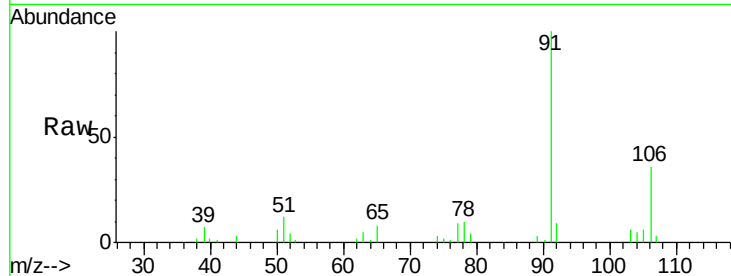
MDL-WATER-06

Tot Ion: 91 Resp: 20859

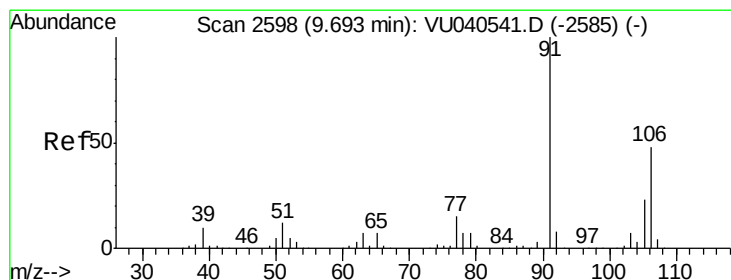
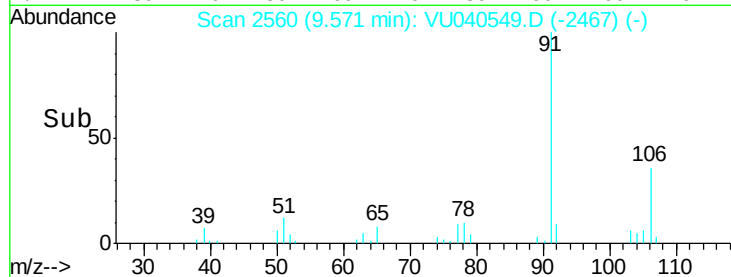
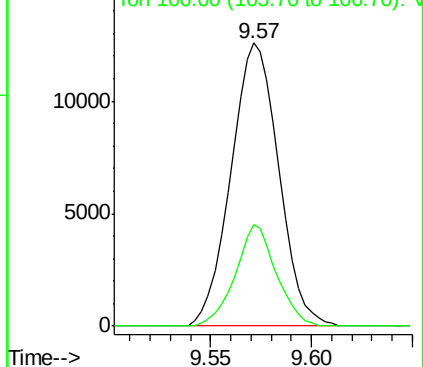
Ion Ratio Lower Upper

91 100

106 36.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040549.D (-2547) (-)



#53

m,p-Xylene

Concen: 2.000 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040549.D

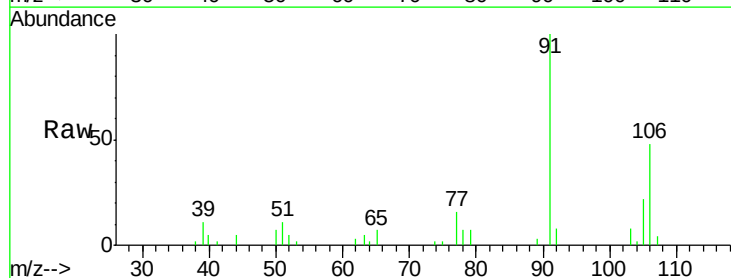
Acq: 07 Oct 2020 17:03

Tgt Ion: 106 Resp: 7004

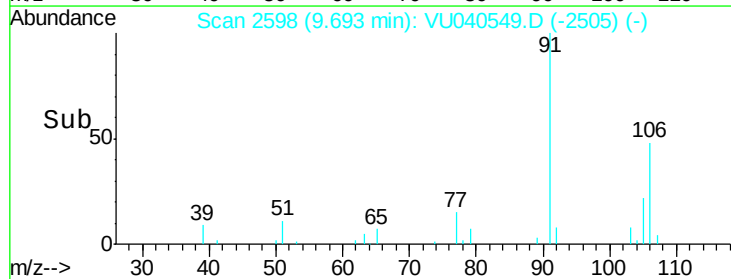
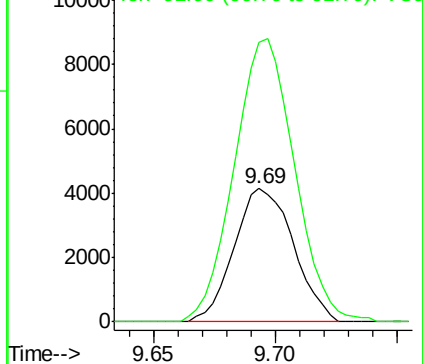
Ion Ratio Lower Upper

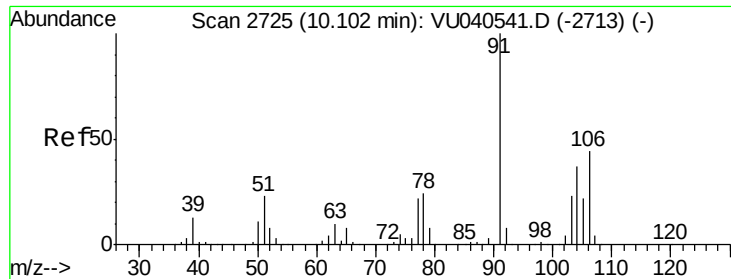
106 100

91 209.4 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040549.D (-2585) (-)





#54

o-xylene

Concen: 1.883 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

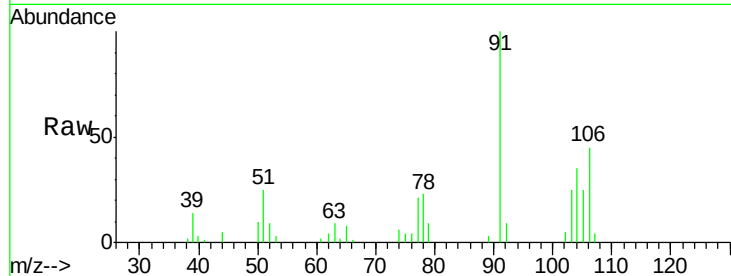
MDL-WATER-06

Tot Ion:106 Resp: 6272

Ion Ratio Lower Upper

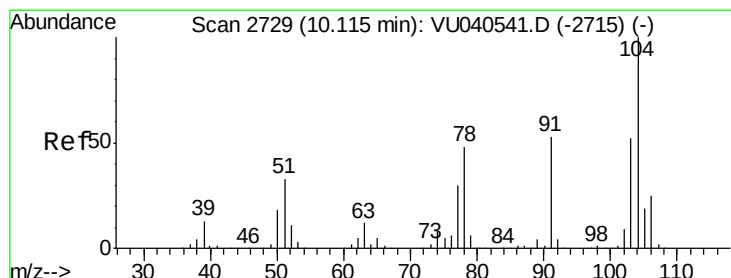
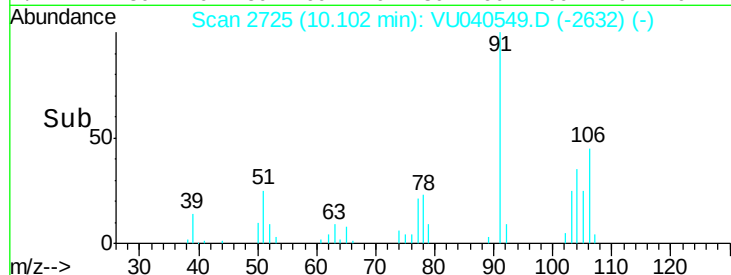
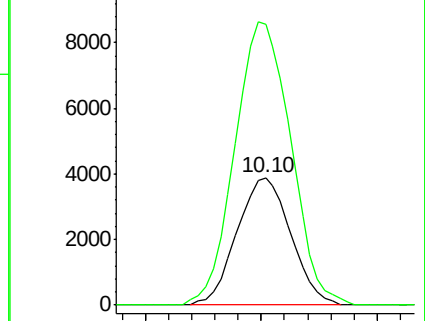
106 100

91 220.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.812 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040549.D

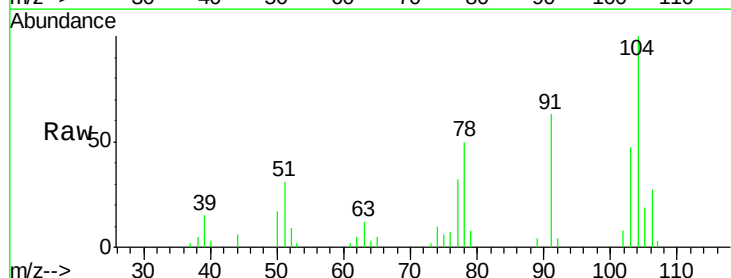
Acq: 07 Oct 2020 17:03

Tgt Ion:104 Resp: 10632

Ion Ratio Lower Upper

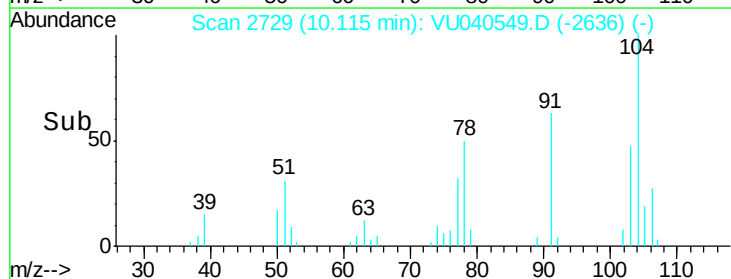
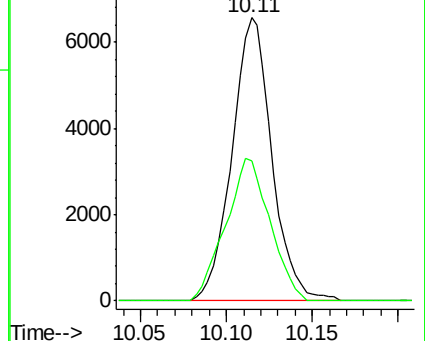
104 100

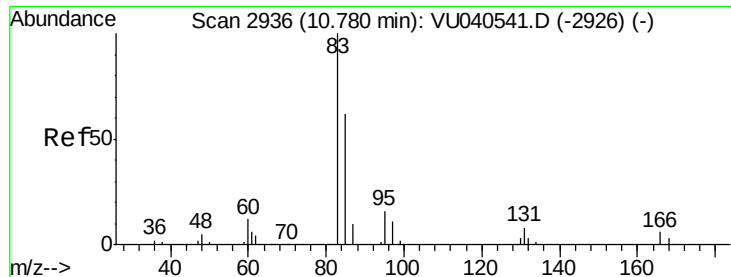
78 49.7 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

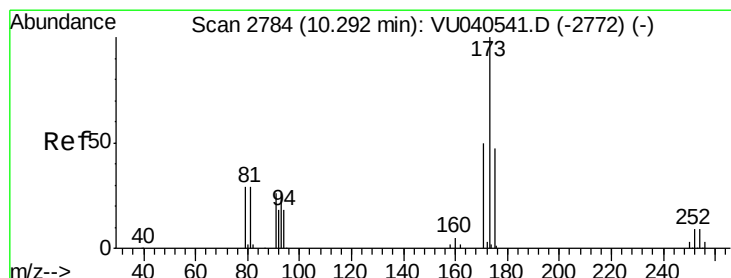
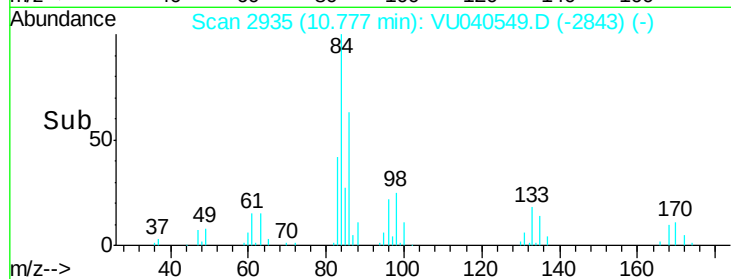
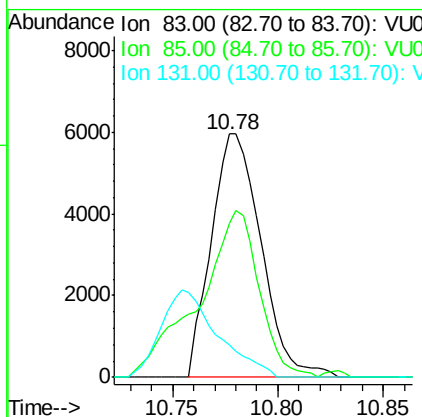
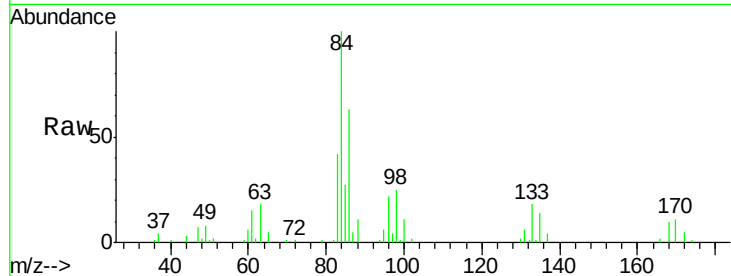




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.673 ug/L
 RT: 10.78 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

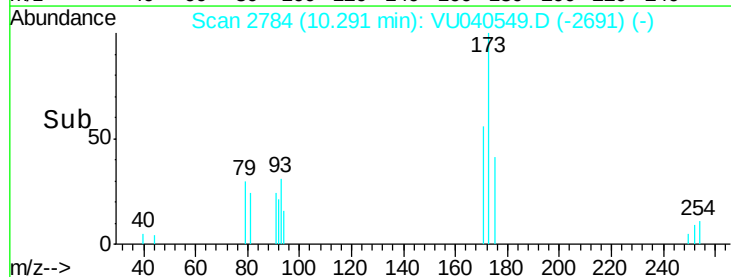
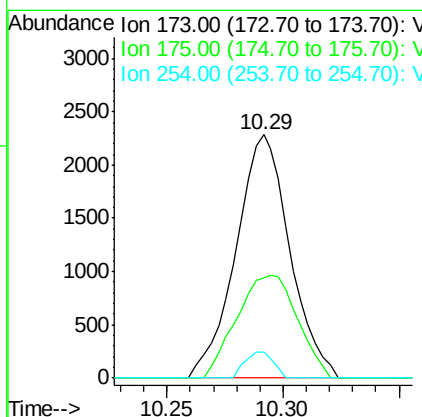
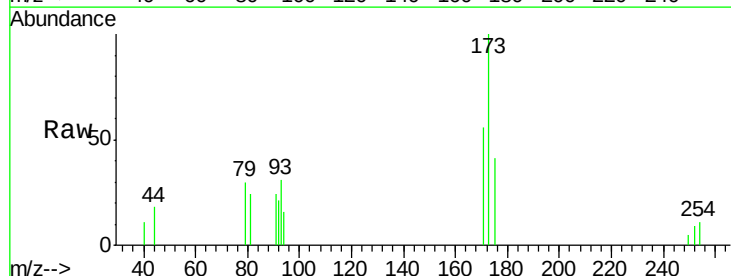
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

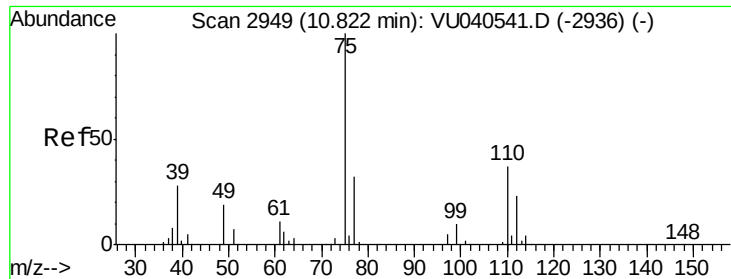
Tot Ion: 83 Resp: 9759
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.2 82.2
 131 13.3 7.1 10.7#



#59
 Bromoform
 Concen: 2.442 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion: 173 Resp: 3683
 Ion Ratio Lower Upper
 173 100
 175 47.4 38.5 57.7
 254 5.7 7.0 10.6#

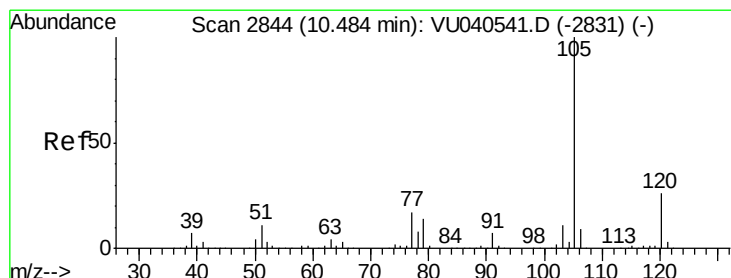
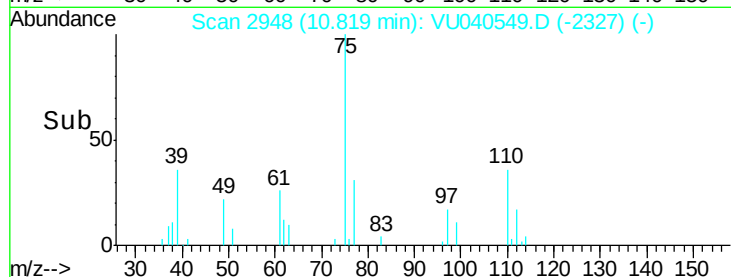
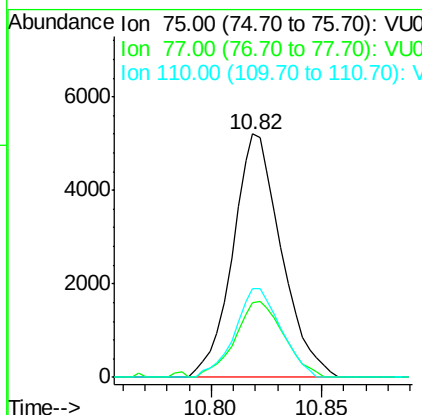
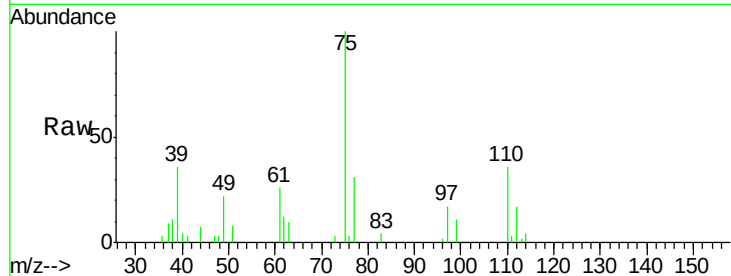




#60
 1,2,3-Trichloropropane
 Concen: 2.839 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

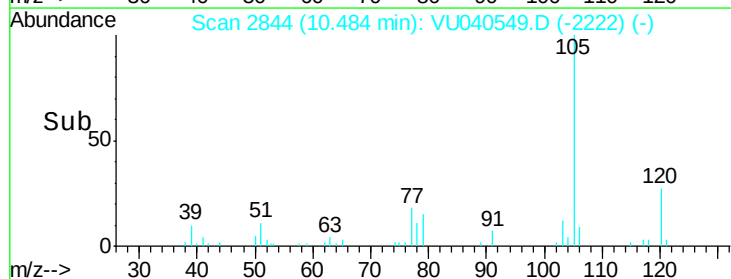
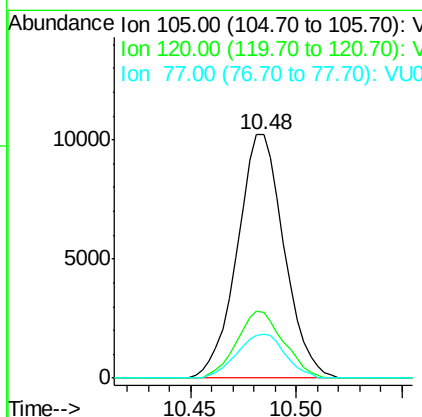
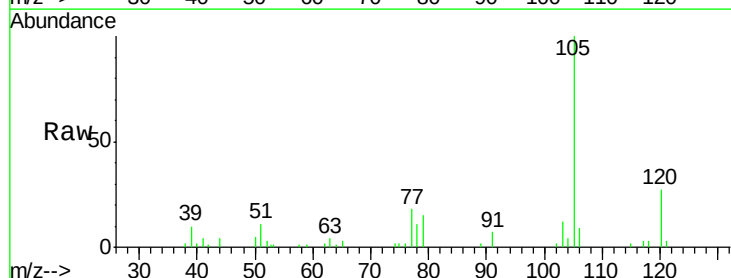
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

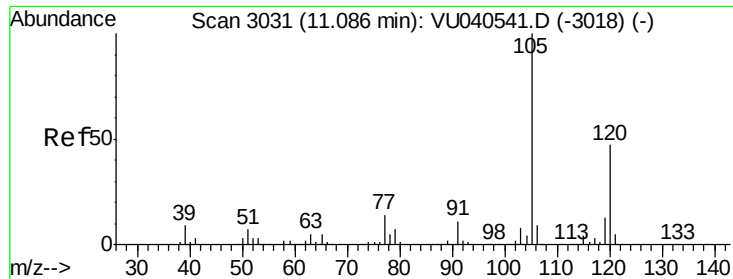
Tot Ion: 75 Resp: 7934
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6
 110 34.7 30.1 45.1



#61
 Isopropylbenzene
 Concen: 1.912 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion: 105 Resp: 15800
 Ion Ratio Lower Upper
 105 100
 120 27.3 20.7 31.1
 77 18.5 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 1.845 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

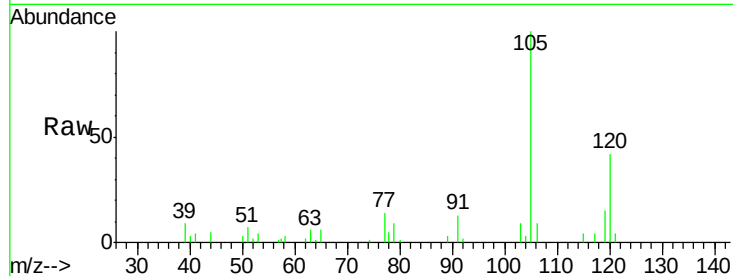
MDL-WATER-06

Tot Ion:105 Resp: 12524

Ion Ratio Lower Upper

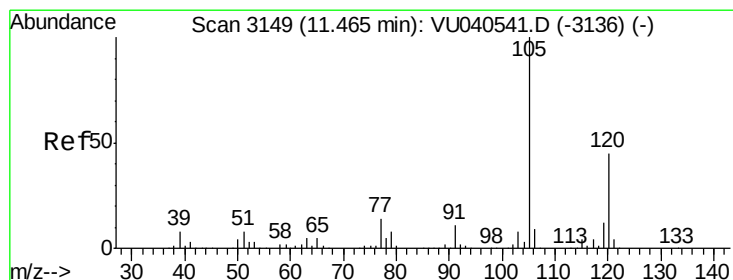
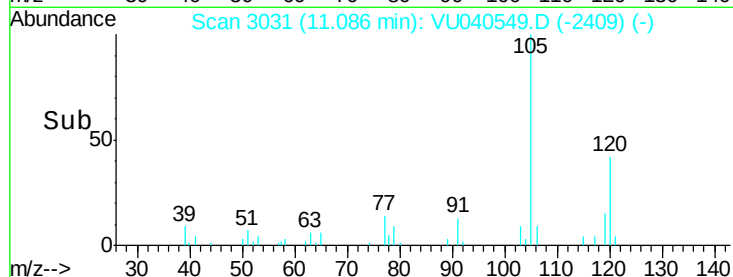
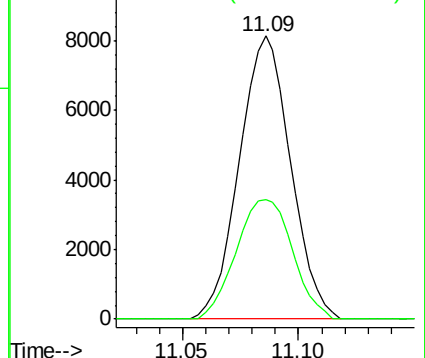
105 100

120 46.4 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.682 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU040549.D

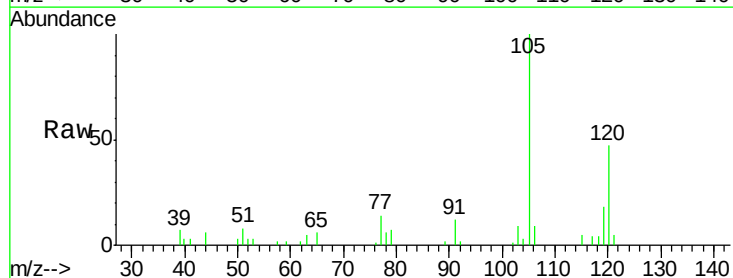
Acq: 07 Oct 2020 17:03

Tgt Ion:105 Resp: 11577

Ion Ratio Lower Upper

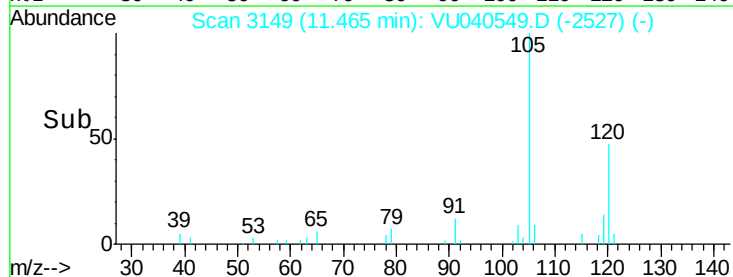
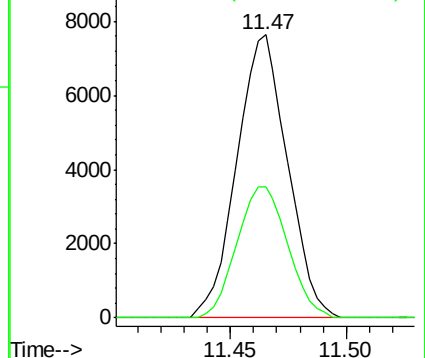
105 100

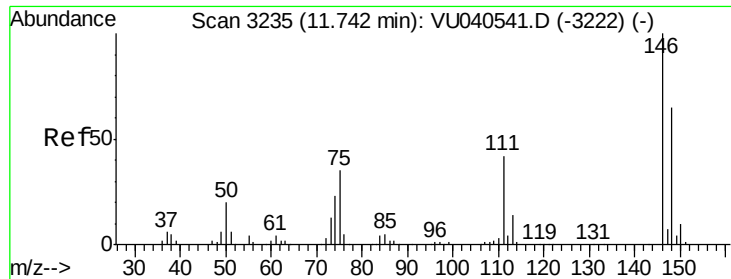
120 46.5 35.7 53.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

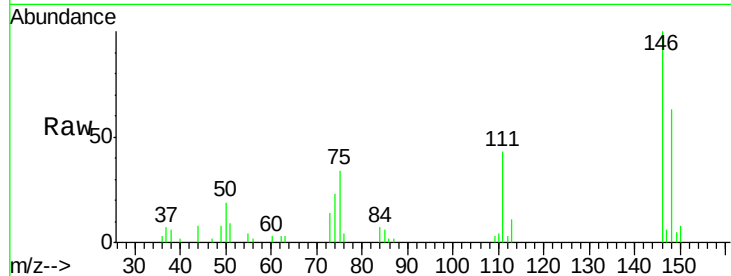




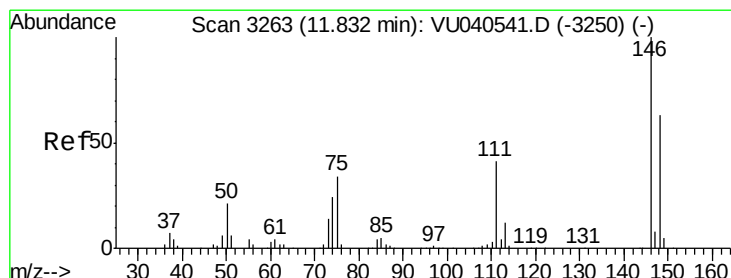
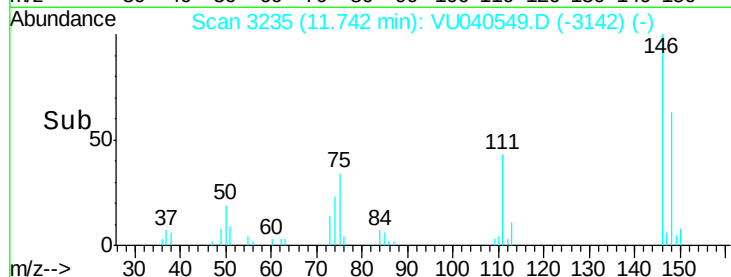
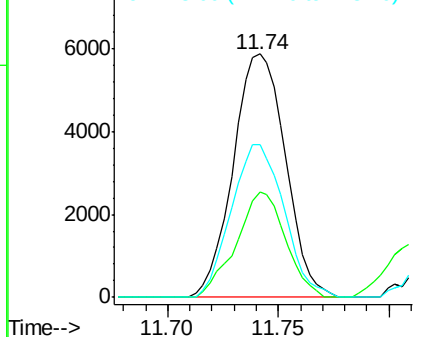
#64
 1,3-Dichlorobenzene
 Concen: 2.400 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

Tot Ion:146 Resp: 9667
 Ion Ratio Lower Upper
 146 100
 111 43.4 30.8 57.2
 148 62.5 45.4 84.2

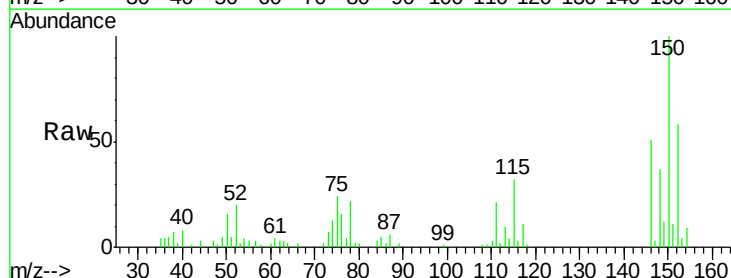


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

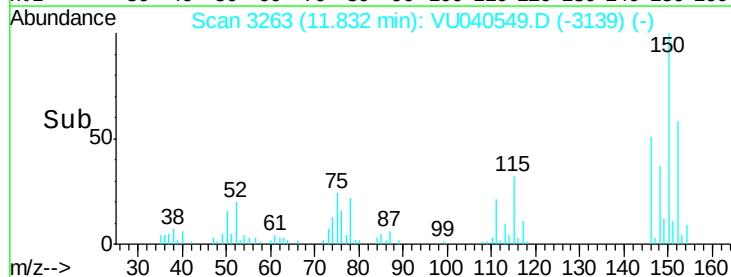
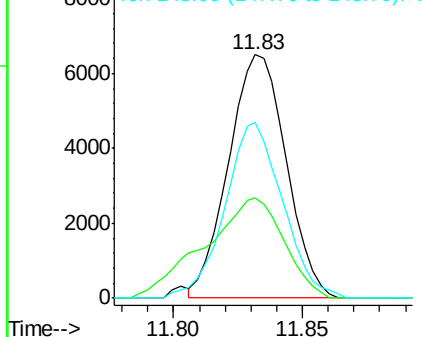


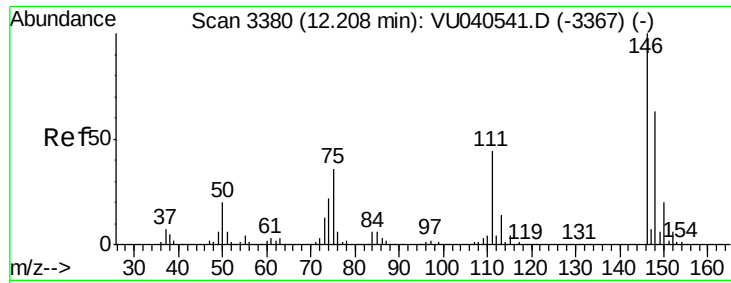
#65
 1,4-Dichlorobenzene
 Concen: 2.404 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion:146 Resp: 10171
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.7 53.3
 148 72.4 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

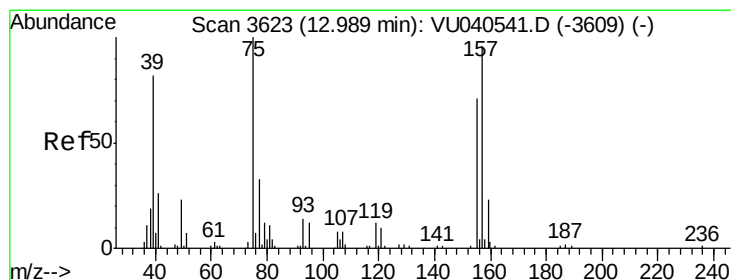
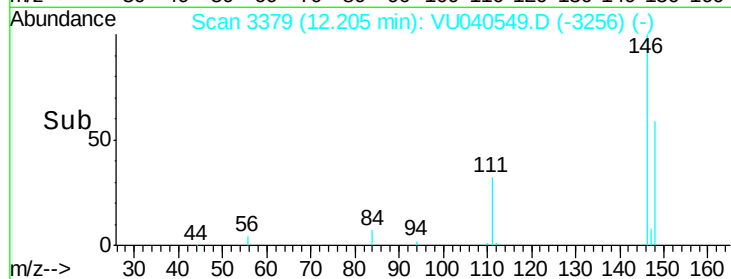
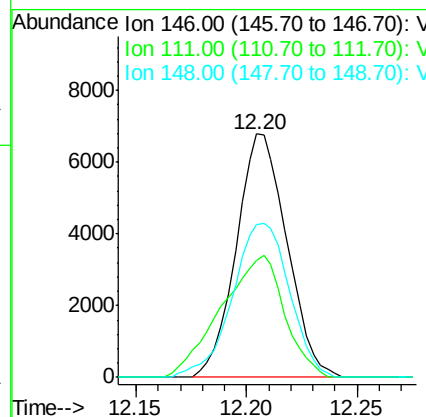
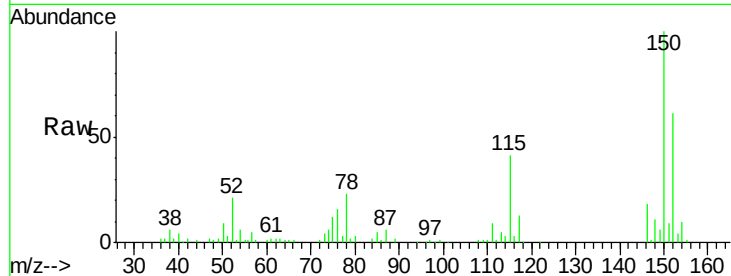




#67
 1,2-Dichlorobenzene
 Concen: 2.677 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

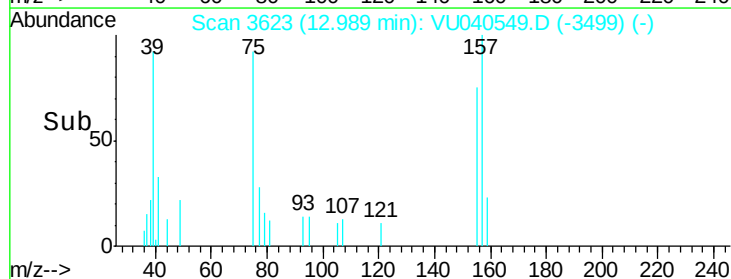
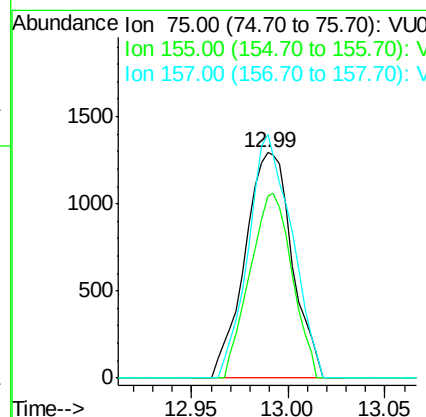
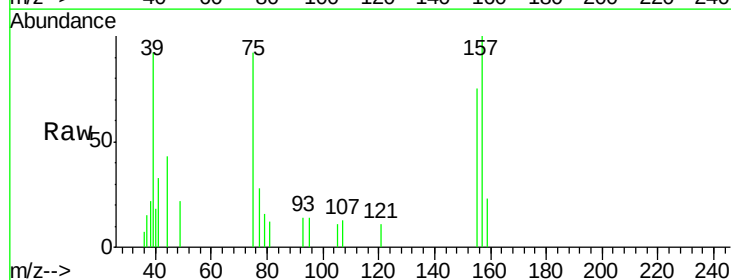
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

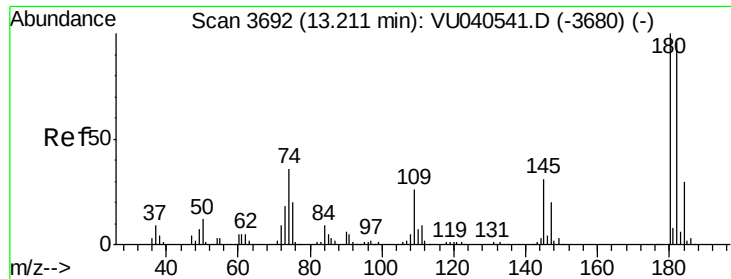
Tot Ion:146 Resp: 10805
 Ion Ratio Lower Upper
 146 100
 111 48.2 35.7 53.5
 148 62.7 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.794 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion: 75 Resp: 2194
 Ion Ratio Lower Upper
 75 100
 155 80.7 61.0 91.6
 157 108.1 73.5 110.3

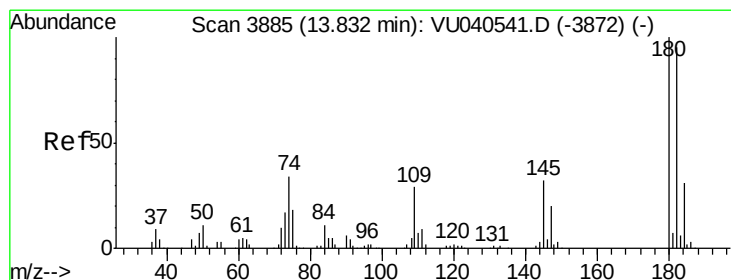
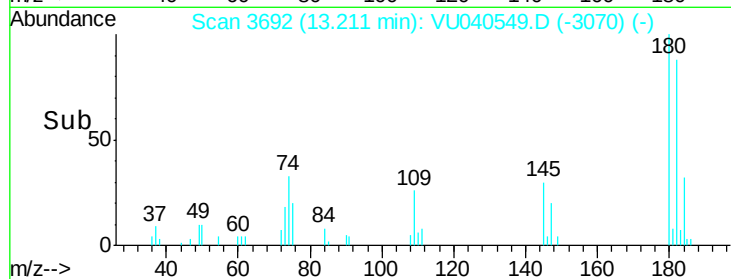
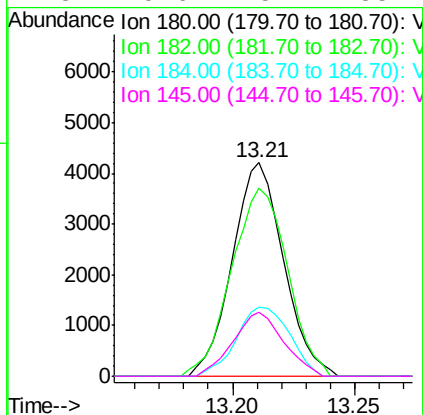
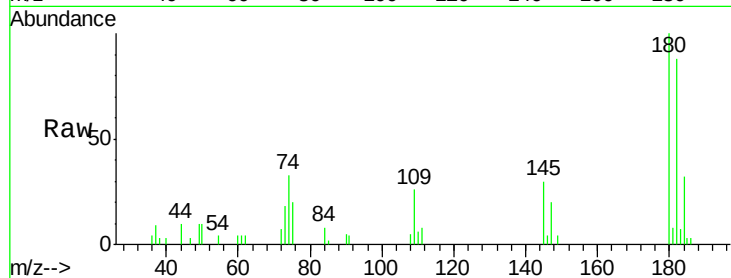




#69
 1,3,5-Trichlorobenzene
 Concen: 2.326 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

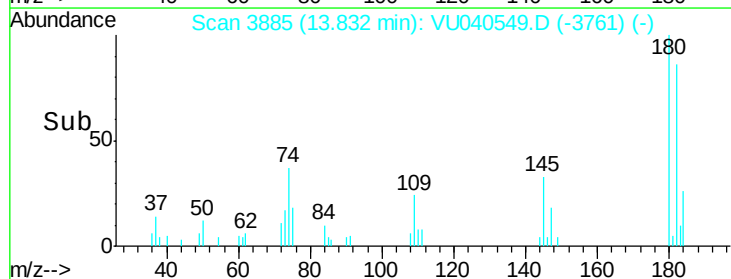
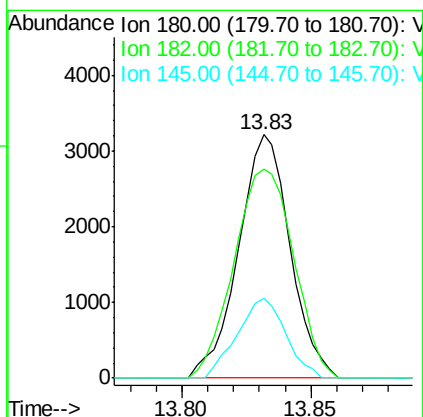
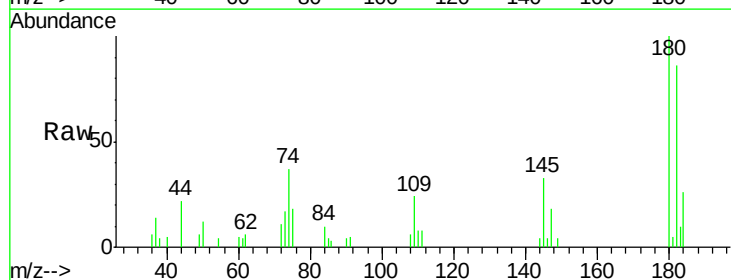
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

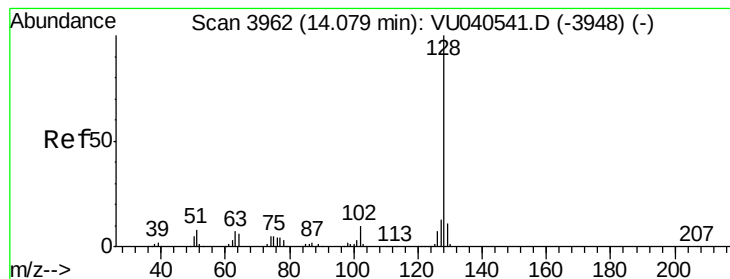
Tot Ion:180 Resp: 6139
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.9 115.3
 184 33.7 24.2 36.2
 145 29.6 25.4 38.2



#70
 1,2,4-trichlorobenzene
 Concen: 1.954 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040549.D
 Acq: 07 Oct 2020 17:03

Tgt Ion:180 Resp: 4471
 Ion Ratio Lower Upper
 180 100
 182 99.6 75.0 112.6
 145 30.8 25.9 38.9





#71

Naphthalene

Concen: 1.250 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

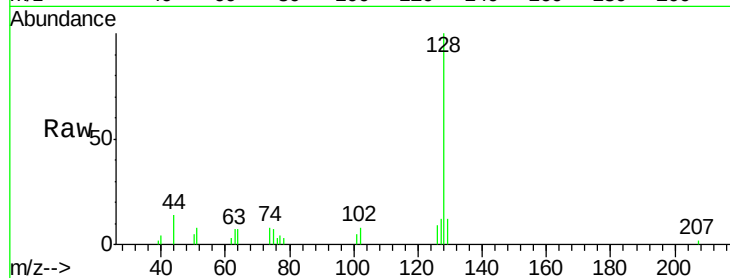
Tot Ion:128 Resp: 8838

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

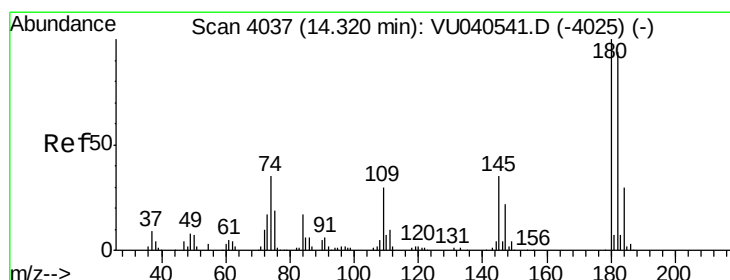
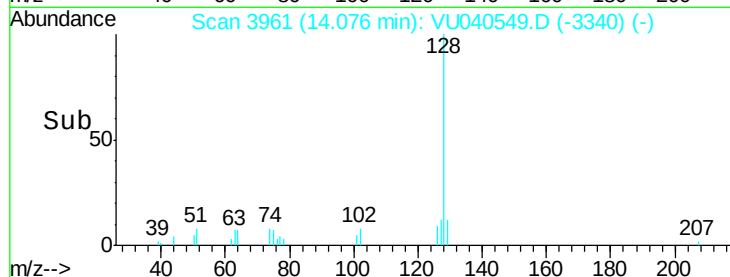
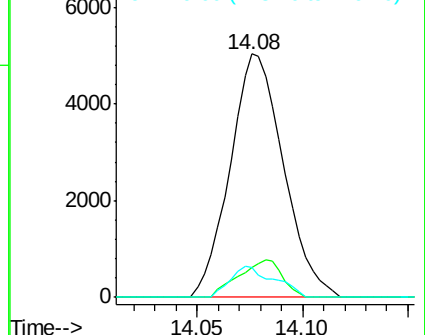
129 8.3 8.6 13.0#



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: 1.821 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040549.D

Acq: 07 Oct 2020 17:03

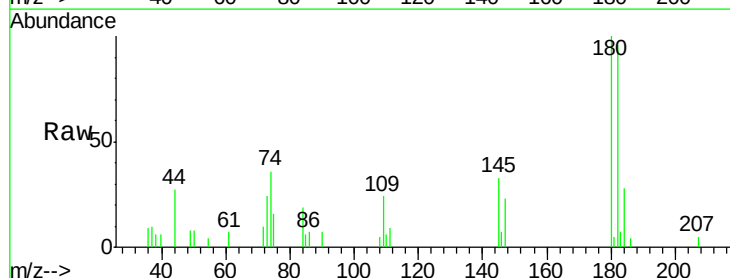
Tgt Ion:180 Resp: 4135

Ion Ratio Lower Upper

180 100

182 95.8 77.7 116.5

145 36.5 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

