

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072222\
 Data File : VU049850.D
 Acq On : 22 Jul 2022 15:21
 Operator : SY/MD
 Sample : N3670-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Quant Time: Jul 23 02:35:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 23 01:04:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	87649	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	81442	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	36887	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	34186	4.818	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.909	69	29222	4.921	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.565	65	15347	4.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.000%
20) 2-Butanone-d5	4.633	46	134626	52.729	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.460%
24) Chloroform-d	5.067	84	72173	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.703	65	45016	4.858	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.729	84	134249	4.837	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.690	67	47477	4.952	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.899	98	110513	4.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.182	79	17034	4.894	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.636	63	73503	53.289	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43902	5.453	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	38710	5.084	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2471	0.267	ug/L #	88
3) Chloromethane	1.520	50	3792	0.333	ug/L	88
5) Vinyl chloride	1.601	62	2967	0.312	ug/L	84
6) Bromomethane	1.855	94	1624	0.315	ug/L	96
8) Chloroethane	1.932	64	1583	0.289	ug/L	86
9) Trichlorofluoromethane	2.137	101	3783	0.323	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	2503	0.437	ug/L #	90
12) 1,1-Dichloroethene	2.578	96	2033	0.351	ug/L #	1
13) Acetone	2.639	43	7361	4.793	ug/L	100
14) Carbon disulfide	2.787	76	5707	0.319	ug/L #	93
15) Methyl Acetate	2.961	43	1065	0.278	ug/L #	67
17) Methyl tert-butyl Ether	3.372	73	5343	0.285	ug/L	95
18) trans-1,2-Dichloroethene	3.359	96	1772	0.265	ug/L	77
19) 1,1-Dichloroethane	3.874	63	4061	0.281	ug/L #	96
21) 2-Butanone	4.719	43	5932	2.278	ug/L	88
22) cis-1,2-Dichloroethene	4.674	96	2314	0.298	ug/L	95
23) Bromochloromethane	4.977	128	1066	0.308	ug/L	81
27) 1,2-Dichloroethane	5.803	62	3361	0.319	ug/L #	93
29) 1,1,1-Trichloroethane	5.324	97	3583	0.313	ug/L	99

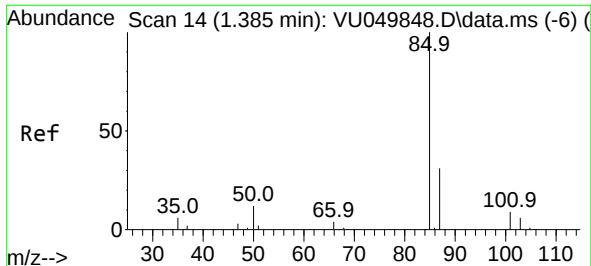
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072222\
 Data File : VU049850.D
 Acq On : 22 Jul 2022 15:21
 Operator : SY/MD
 Sample : N3670-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

Quant Time: Jul 23 02:35:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 23 01:04:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	5.385	56	3181	0.344	ug/L #	89
31) Carbon tetrachloride	5.523	117	3027	0.326	ug/L	100
33) Benzene	5.777	78	8801	0.298	ug/L	100
34) Trichloroethene	6.542	95	2254	0.315	ug/L	96
35) Methylcyclohexane	6.761	83	3561	0.403	ug/L #	87
37) 1,2-Dichloropropane	6.793	63	2488	0.295	ug/L #	89
38) Bromodichloromethane	7.112	83	2718	0.258	ug/L #	92
39) cis-1,3-Dichloropropene	7.607	75	2581	0.233	ug/L	92
40) 4-Methyl-2-pentanone	7.793	43	16216	2.760	ug/L #	87
42) Toluene	7.973	91	10122	0.342	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	3027	0.316	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	1598	0.266	ug/L	94
47) Tetrachloroethene	8.558	164	1524	0.309	ug/L	87
48) 2-Hexanone	8.687	43	26157	5.965	ug/L #	97
49) Dibromochloromethane	8.809	129	1994	0.297	ug/L #	74
50) 1,2-Dibromoethane	8.925	107	1528	0.286	ug/L #	96
51) Chlorobenzene	9.449	112	5948	0.317	ug/L	91
52) Ethylbenzene	9.574	91	8917	0.293	ug/L	97
53) m,p-Xylene	9.693	106	3188	0.285	ug/L	90
54) o-Xylene	10.105	106	2974	0.269	ug/L	96
55) Styrene	10.115	104	4717	0.252	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.780	83	2293	0.295	ug/L #	99
59) Bromoform	10.298	173	1143	0.356	ug/L #	95
60) Isopropylbenzene	10.488	105	7543	0.309	ug/L	98
61) 1,2,3-Trichloropropane	10.825	75	1645	0.335	ug/L #	92
62) 1,3,5-Trimethylbenzene	11.089	105	5713	0.277	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	5462	0.273	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	3646	0.302	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	4220	0.354	ug/L	96
67) 1,2-Dichlorobenzene	12.217	146	4325	0.363	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	311	0.283	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.224	180	3281	0.368	ug/L	91
70) 1,2,4-trichlorobenzene	13.844	180	3492	0.467	ug/L	98
71) Naphthalene	14.092	128	8856	0.607	ug/L	97
72) 1,2,3-Trichlorobenzene	14.333	180	3827	0.532	ug/L	88

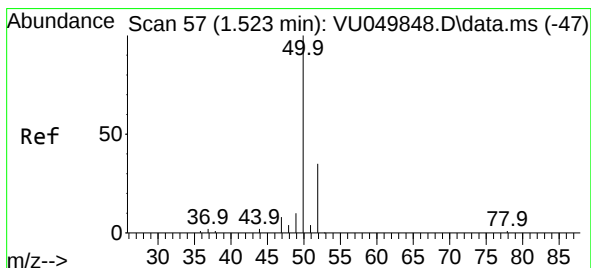
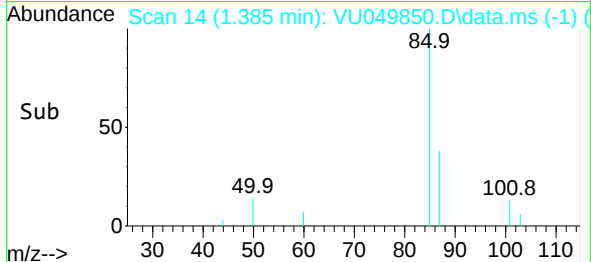
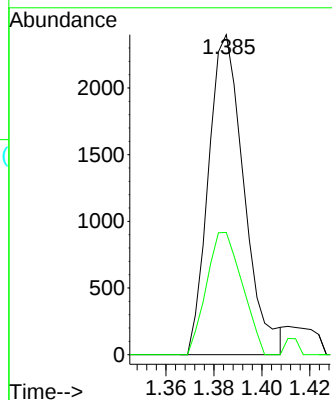
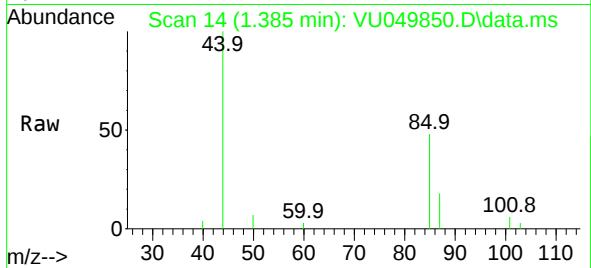
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.267 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

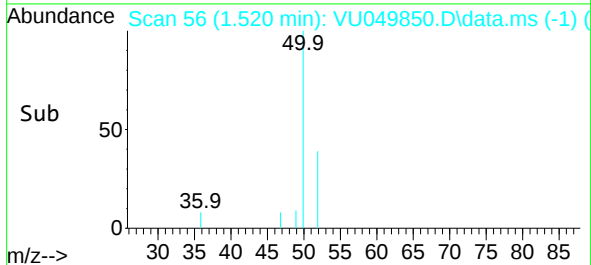
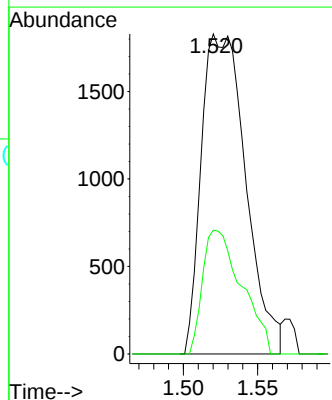
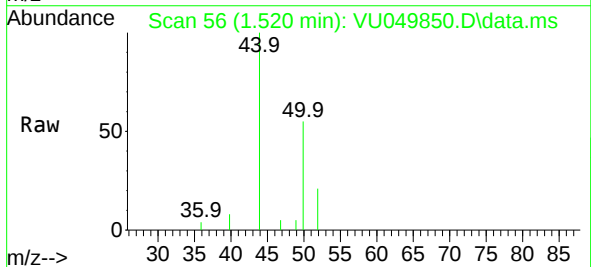
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

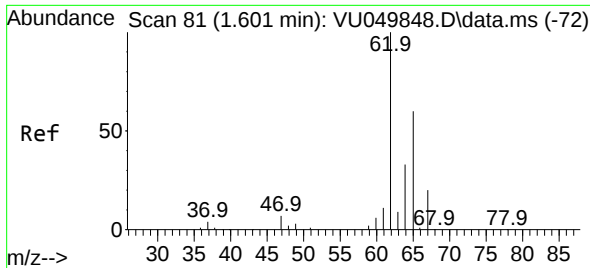
Tgt Ion: 85 Resp: 2471
Ion Ratio Lower Upper
85 100
87 38.2 25.4 38.2#



#3
Chloromethane
Concen: 0.333 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 50 Resp: 3792
Ion Ratio Lower Upper
50 100
52 38.7 22.5 41.7

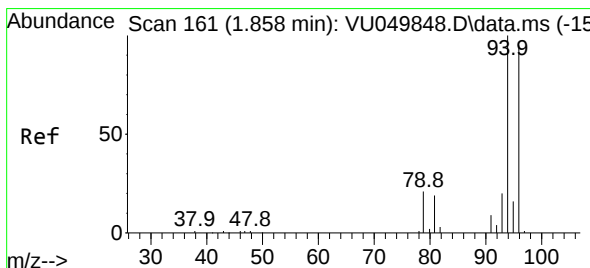
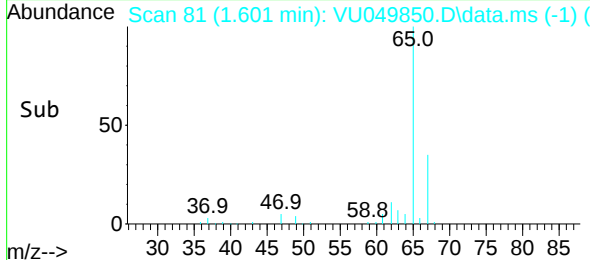
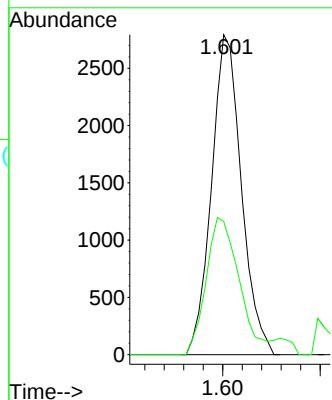
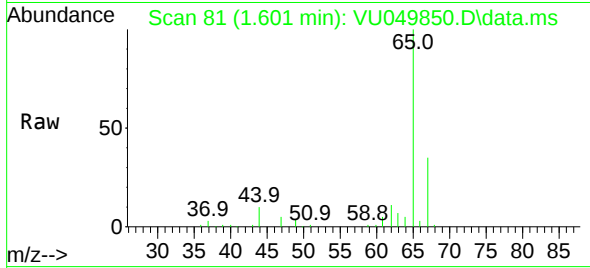




#5
 Vinyl chloride
 Concen: 0.312 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049850.D
 Acq: 22 Jul 2022 15:21

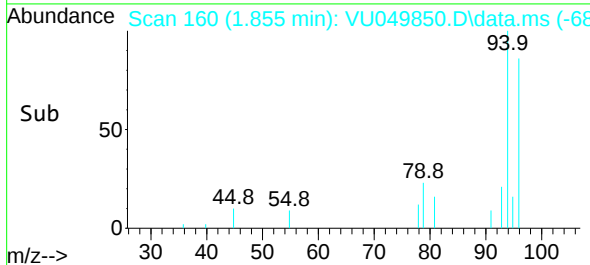
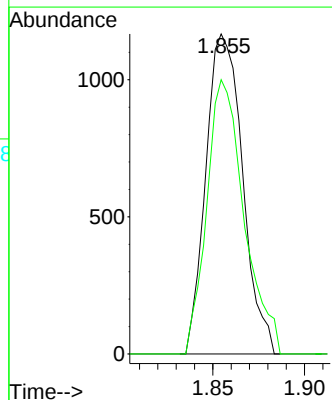
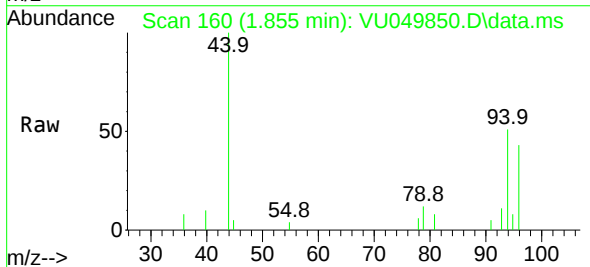
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

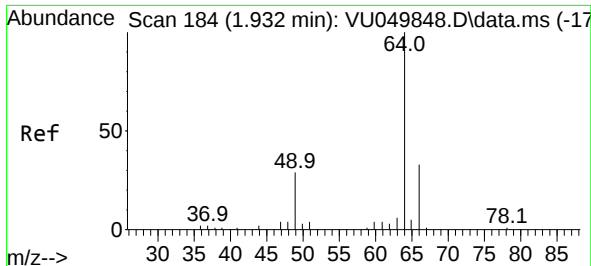
Tgt Ion: 62 Resp: 2967
 Ion Ratio Lower Upper
 62 100
 64 41.6 22.7 42.3



#6
 Bromomethane
 Concen: 0.315 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU049850.D
 Acq: 22 Jul 2022 15:21

Tgt Ion: 94 Resp: 1624
 Ion Ratio Lower Upper
 94 100
 96 85.7 62.6 116.3

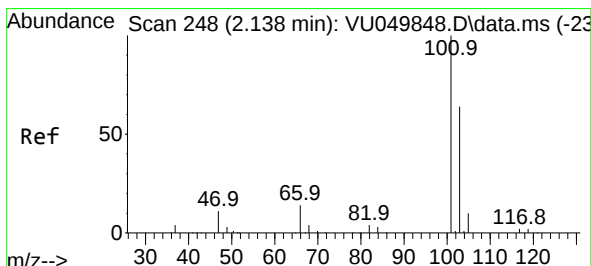
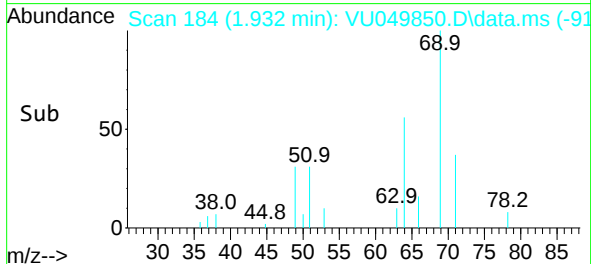
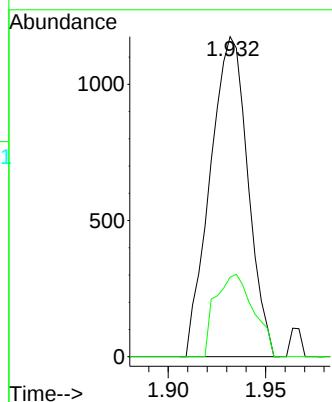
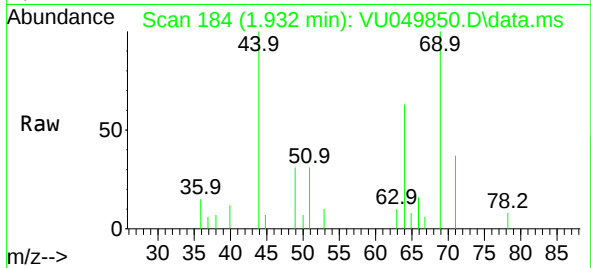




#8
Chloroethane
Concen: 0.289 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

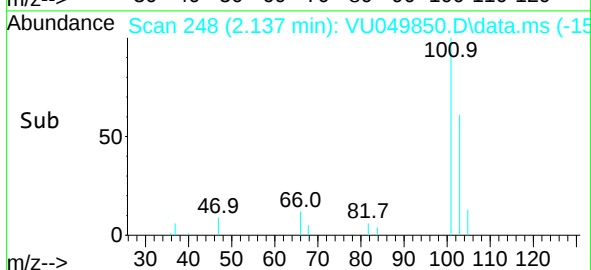
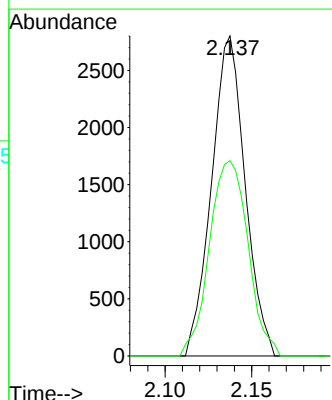
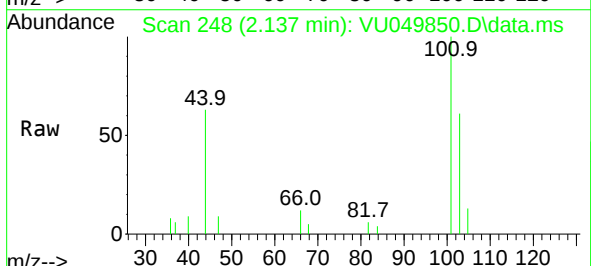
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

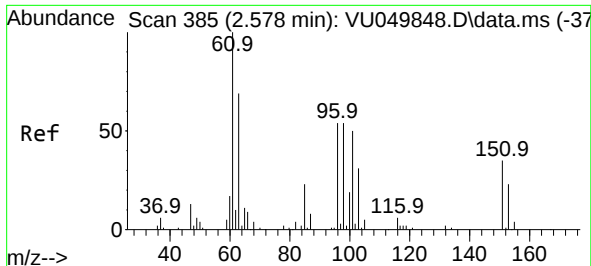
Tgt Ion: 64 Resp: 1583
Ion Ratio Lower Upper
64 100
66 24.9 22.7 42.3



#9
Trichlorofluoromethane
Concen: 0.323 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:101 Resp: 3783
Ion Ratio Lower Upper
101 100
103 70.0 50.8 76.2

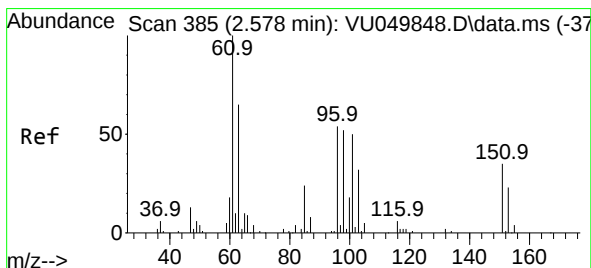
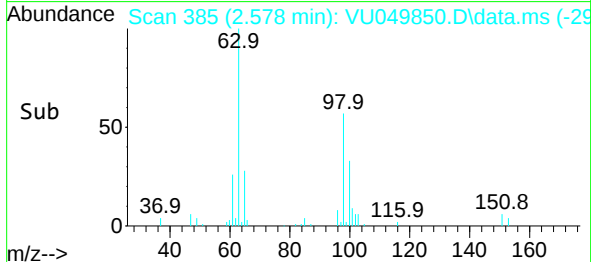
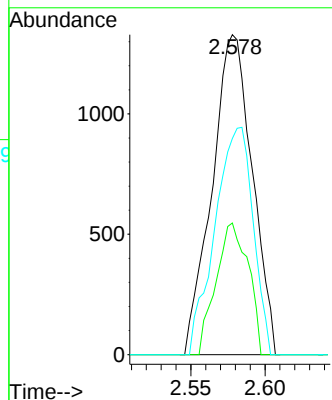
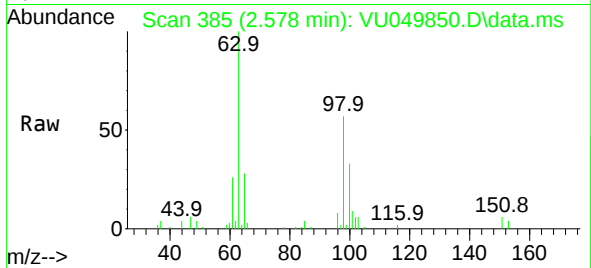




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.437 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049850.D
 Acq: 22 Jul 2022 15:21

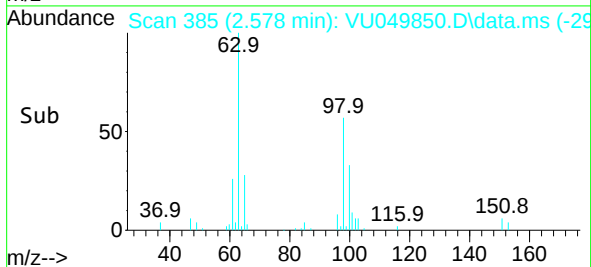
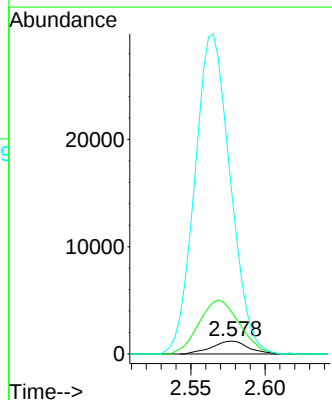
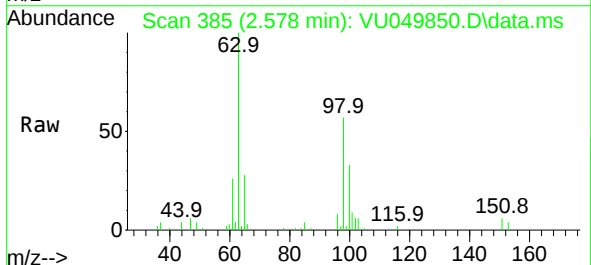
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

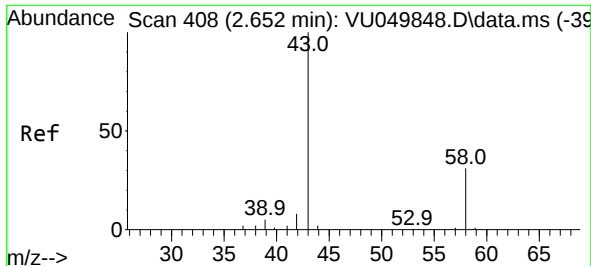
Tgt Ion:101 Resp: 2503
 Ion Ratio Lower Upper
 101 100
 85 32.9 37.2 55.8#
 151 67.3 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 0.351 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049850.D
 Acq: 22 Jul 2022 15:21

Tgt Ion: 96 Resp: 2033
 Ion Ratio Lower Upper
 96 100
 61 318.7 131.6 244.4#
 63 1215.1 100.0 185.6#





#13

Acetone

Concen: 4.793 ug/L

RT: 2.639 min Scan# 408

Delta R.T. -0.013 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

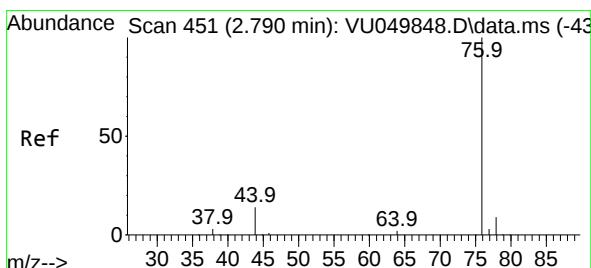
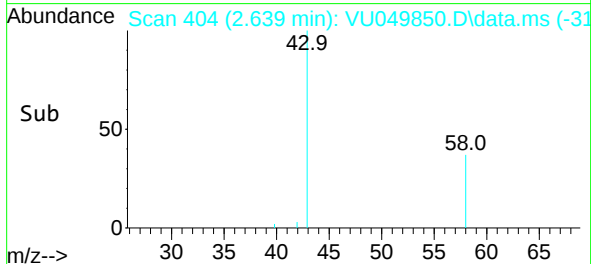
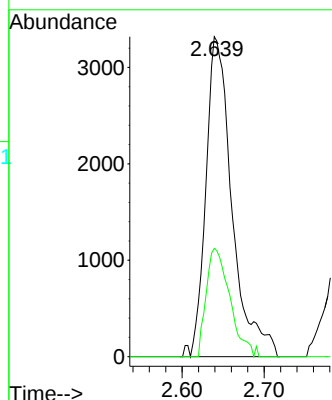
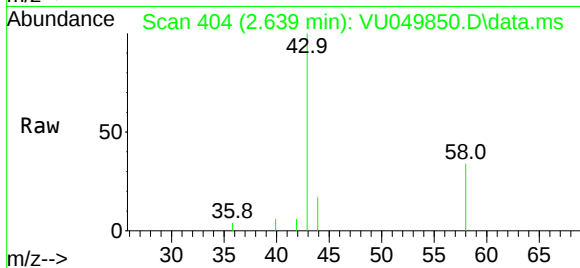
MDL-WATER-QT2-2022-03

Tgt Ion: 43 Resp: 7361

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.0



#14

Carbon disulfide

Concen: 0.319 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049850.D

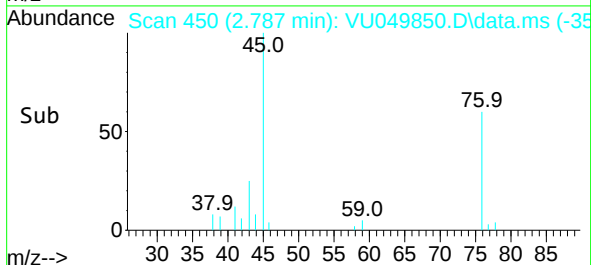
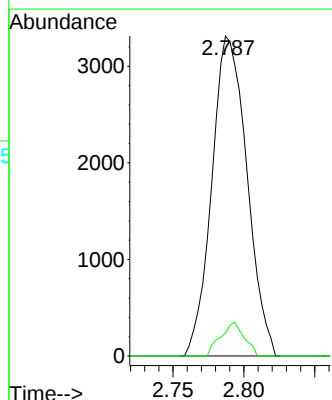
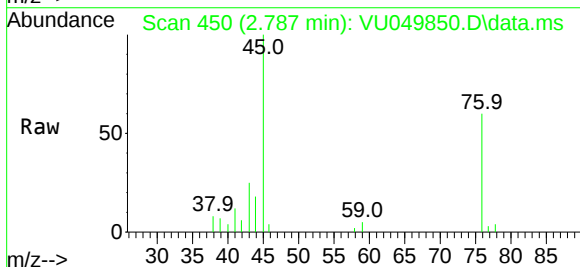
Acq: 22 Jul 2022 15:21

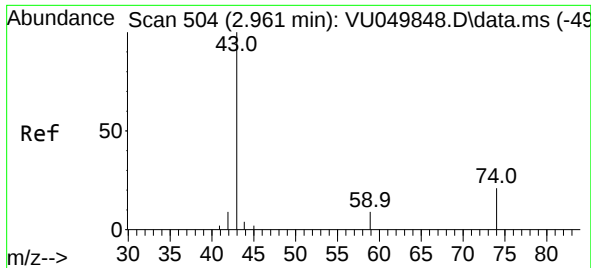
Tgt Ion: 76 Resp: 5707

Ion Ratio Lower Upper

76 100

78 7.2 7.8 11.6#

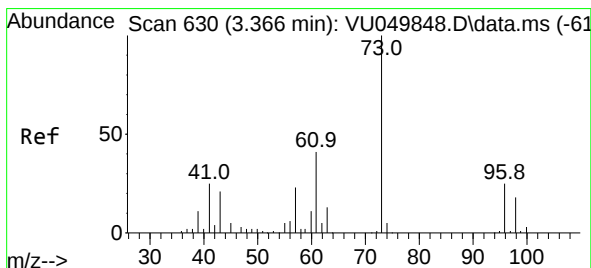
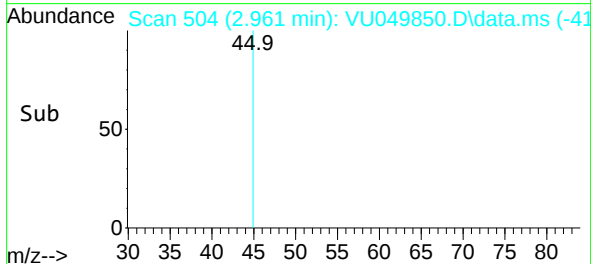
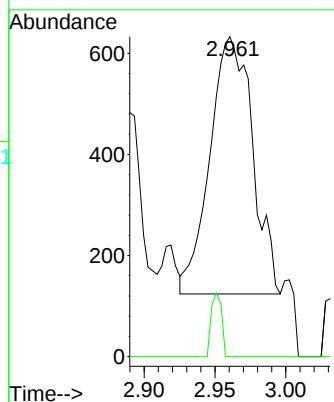
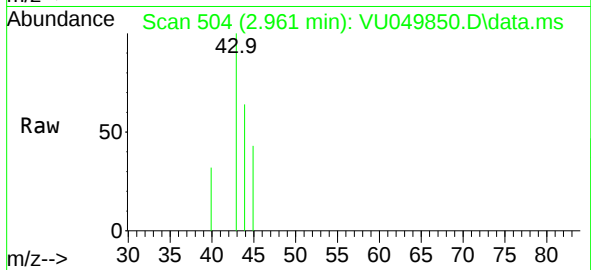




#15
Methyl Acetate
Concen: 0.278 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

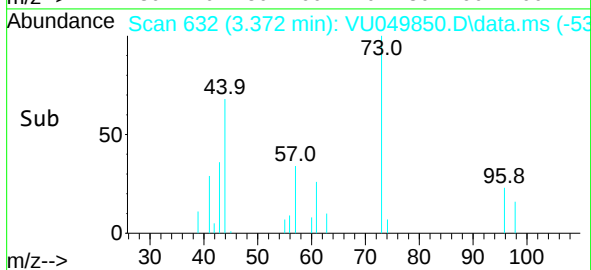
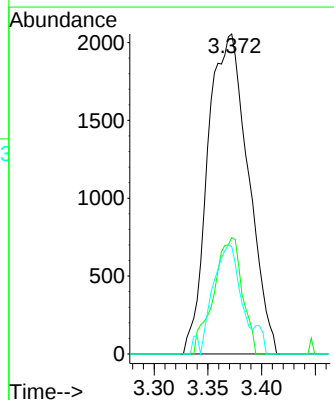
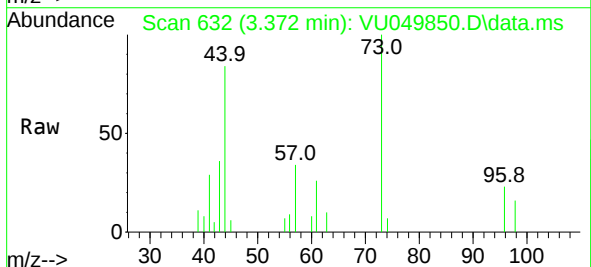
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

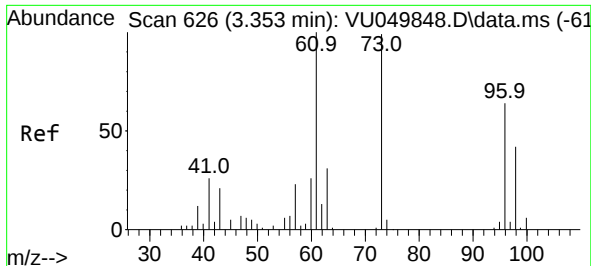
Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
74 6.0 17.1 25.7#



#17
Methyl tert-butyl Ether
Concen: 0.285 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.006 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 73 Resp: 5343
Ion Ratio Lower Upper
73 100
43 25.8 17.4 26.2
57 23.9 18.7 28.1

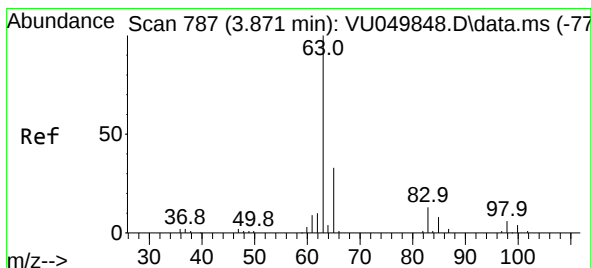
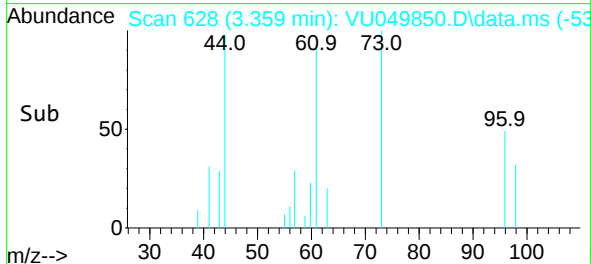
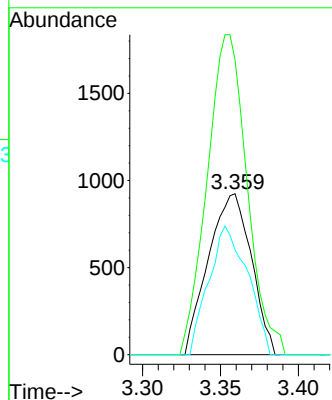
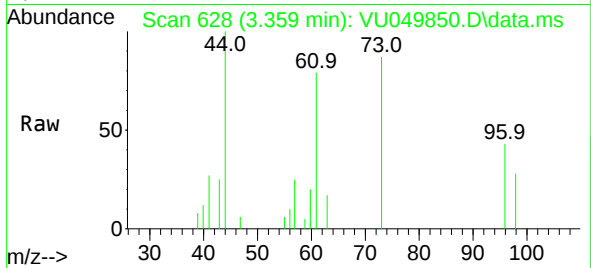




#18
trans-1,2-Dichloroethene
Concen: 0.265 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

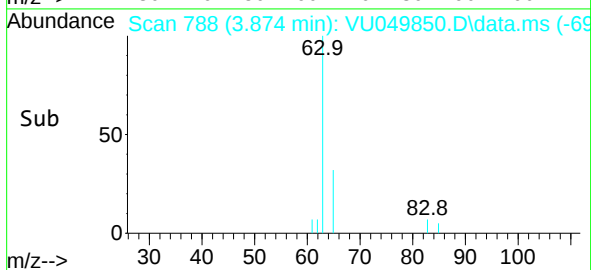
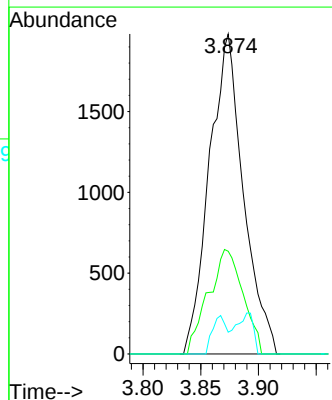
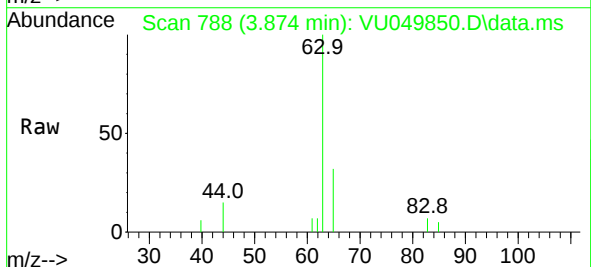
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

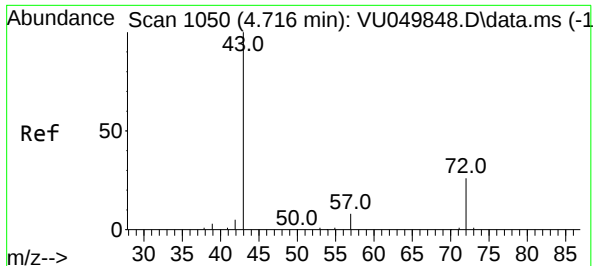
Tgt Ion: 96 Resp: 1772
Ion Ratio Lower Upper
96 100
61 183.1 101.5 188.5
98 65.2 42.5 78.9



#19
1,1-Dichloroethane
Concen: 0.281 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 63 Resp: 4061
Ion Ratio Lower Upper
63 100
65 32.1 22.5 41.9
83 6.8 8.3 15.5#





#21

2-Butanone

Concen: 2.278 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

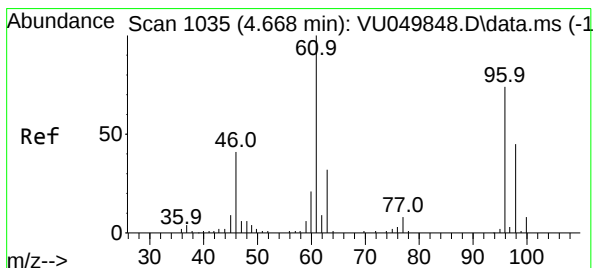
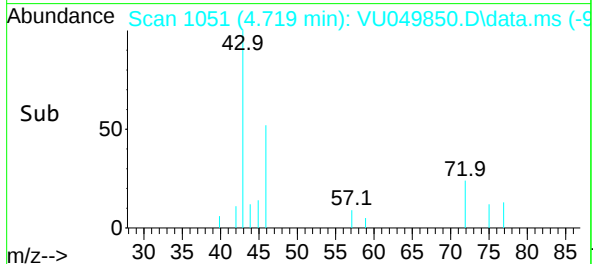
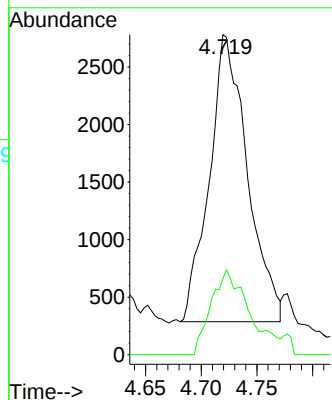
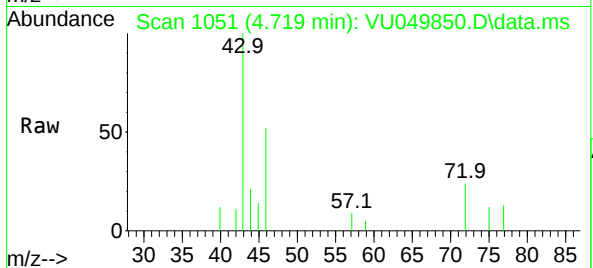
MDL-WATER-QT2-2022-03

Tgt Ion: 43 Resp: 5932

Ion Ratio Lower Upper

43 100

72 29.8 11.9 35.5



#22

cis-1,2-Dichloroethene

Concen: 0.298 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

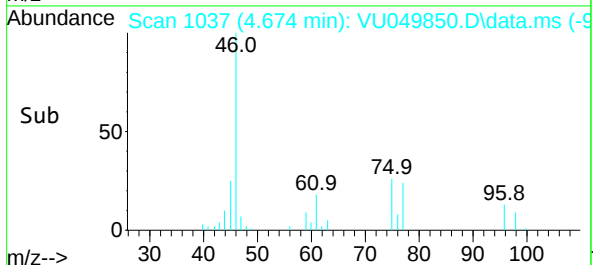
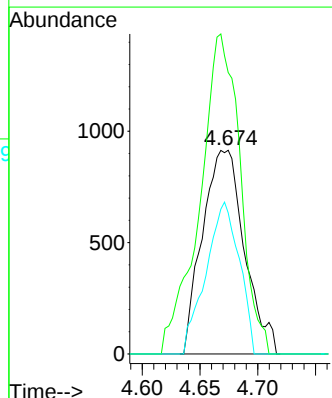
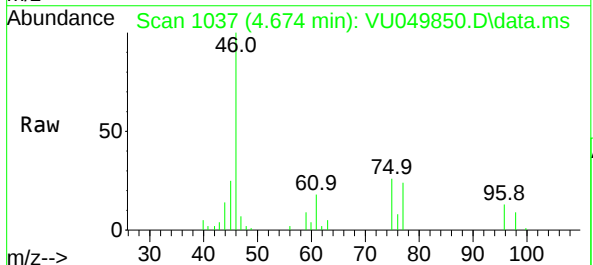
Tgt Ion: 96 Resp: 2314

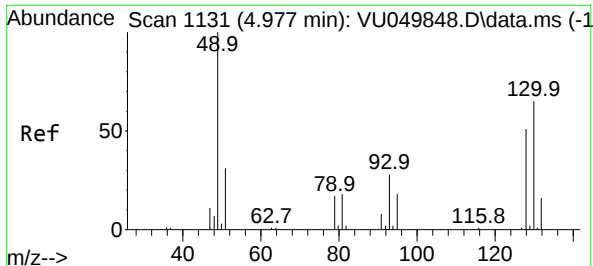
Ion Ratio Lower Upper

96 100

61 138.1 93.9 174.3

98 69.3 43.9 81.5

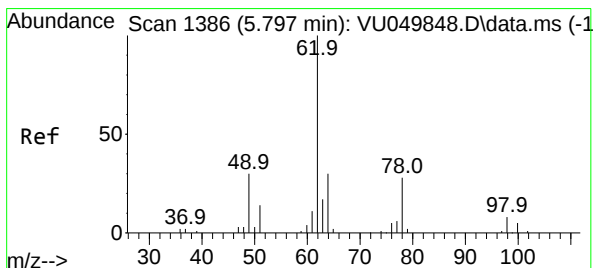
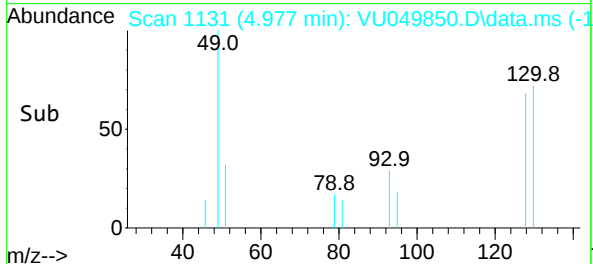
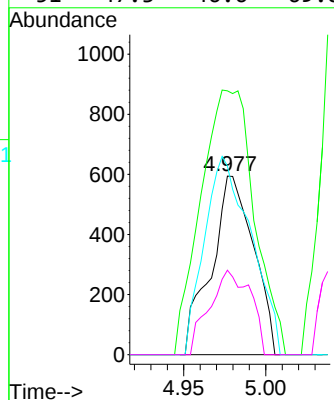
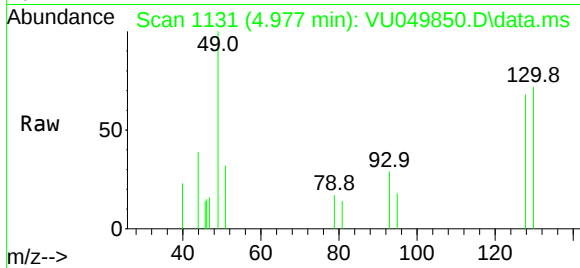




#23
Bromochloromethane
Concen: 0.308 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

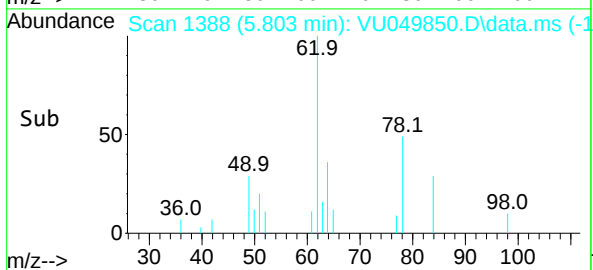
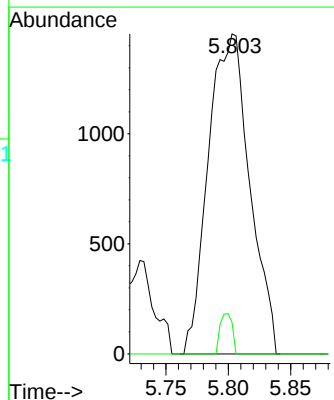
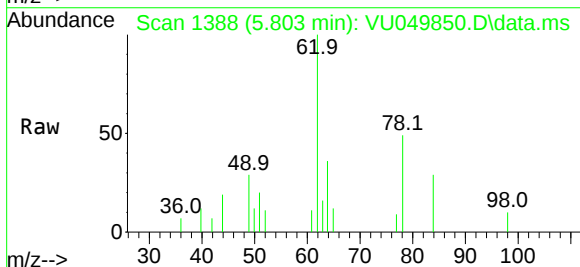
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

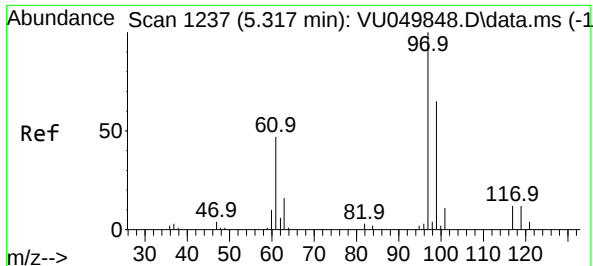
Tgt Ion:	128	Resp:	1066
Ion	Ratio	Lower	Upper
128	100		
49	147.8	124.9	232.1
130	105.7	88.5	164.3
51	47.3	46.6	69.8



#27
1,2-Dichloroethane
Concen: 0.319 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:	62	Resp:	3361
Ion	Ratio	Lower	Upper
62	100		
98	9.8	5.9	8.9#

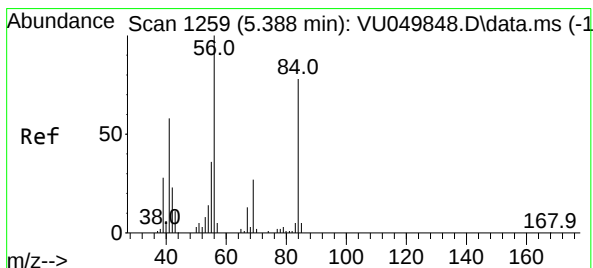
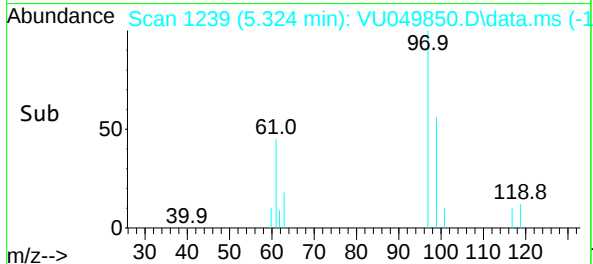
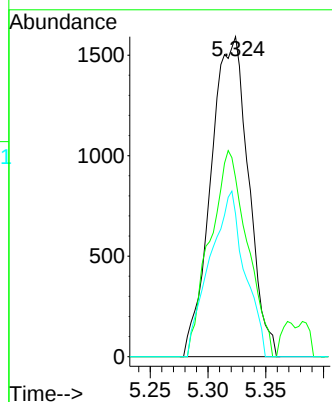
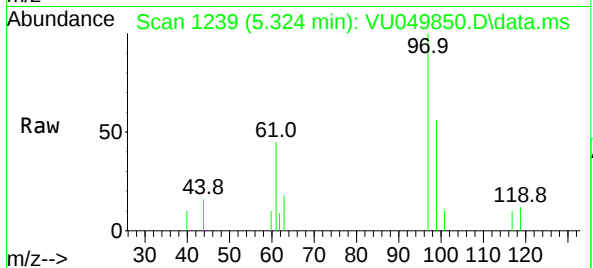




#29
1,1,1-Trichloroethane
Concen: 0.313 ug/L
RT: 5.324 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

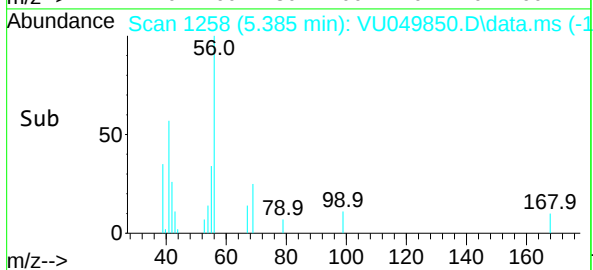
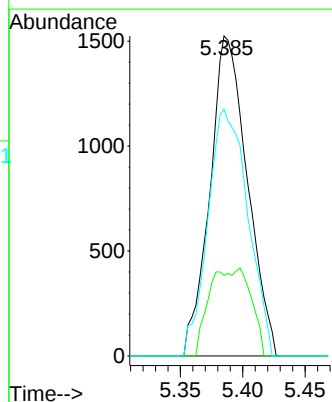
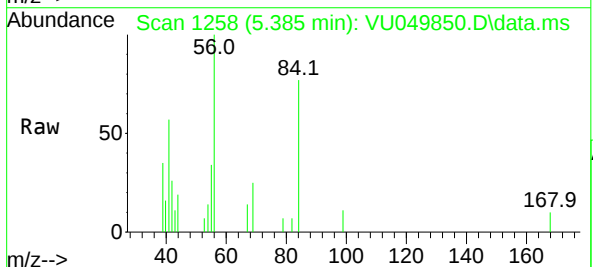
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

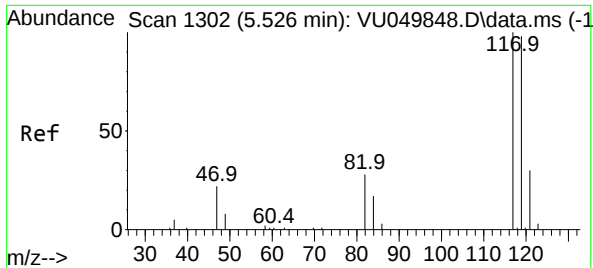
Tgt Ion: 97	Resp: 3583
Ion Ratio	Lower Upper
97 100	
99 64.3	51.8 77.8
61 48.3	38.3 57.5



#30
Cyclohexane
Concen: 0.344 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 56	Resp: 3181
Ion Ratio	Lower Upper
56 100	
69 12.9	22.8 34.2#
84 82.4	63.0 94.6

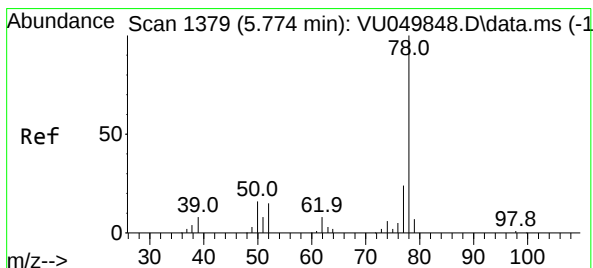
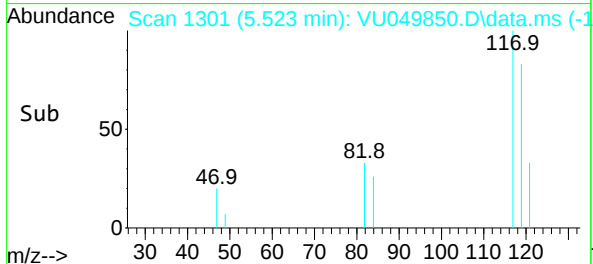
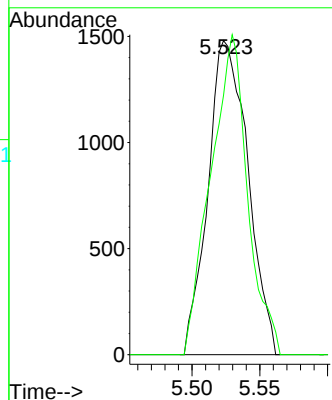
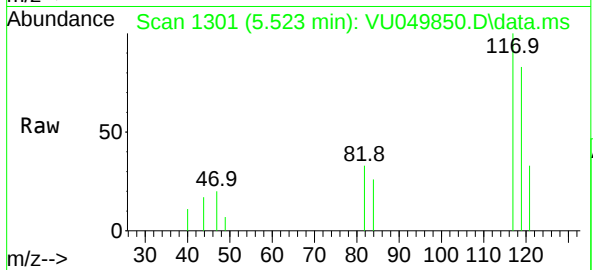




#31
Carbon tetrachloride
Concen: 0.326 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

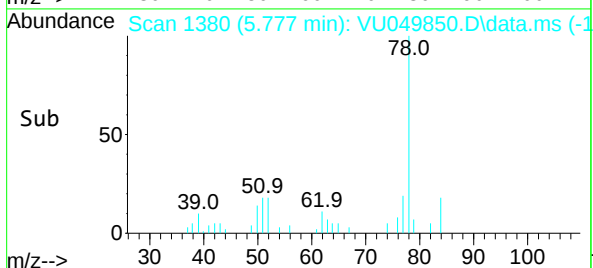
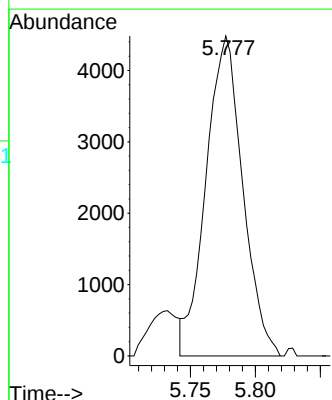
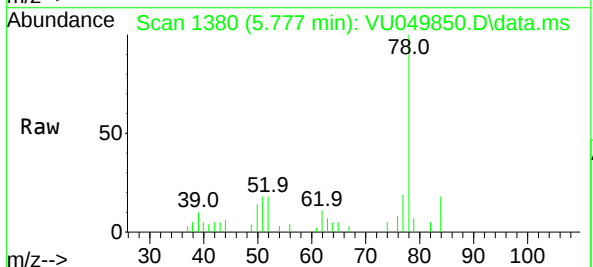
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

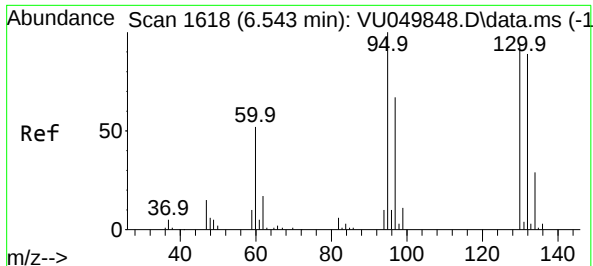
Tgt Ion:117 Resp: 3027
Ion Ratio Lower Upper
117 100
119 94.2 75.2 112.8



#33
Benzene
Concen: 0.298 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 78 Resp: 8801



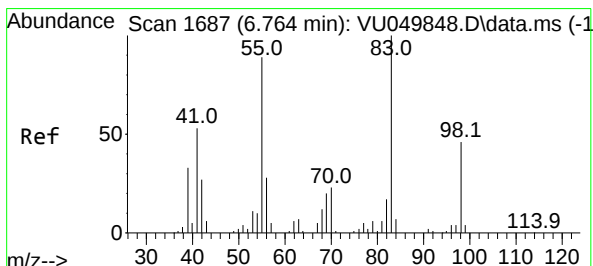
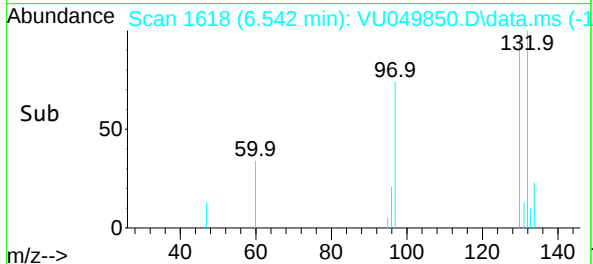
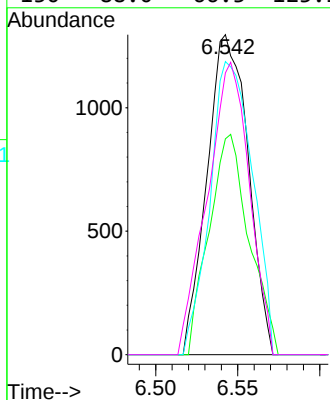
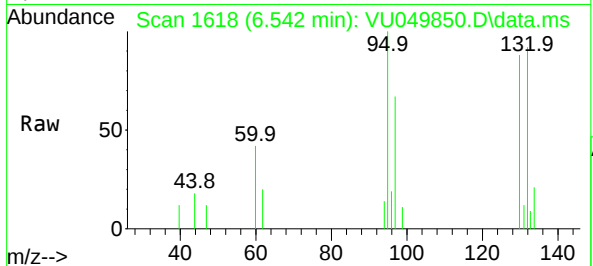


#34
Trichloroethene
Concen: 0.315 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion: 95 Resp: 2254

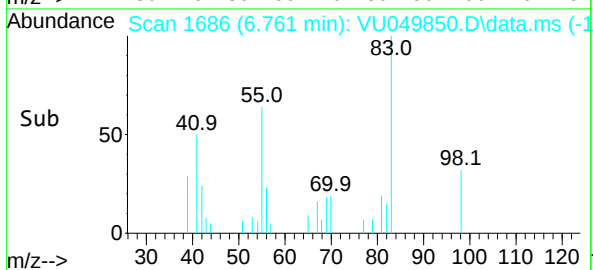
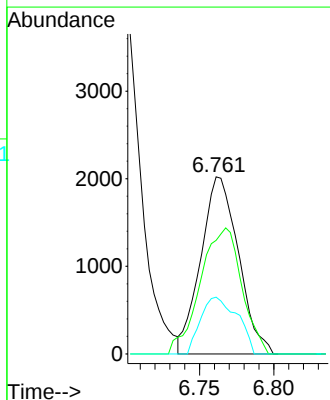
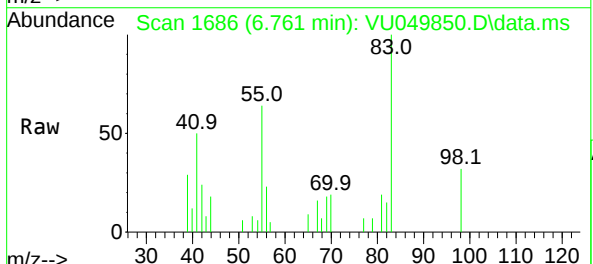
Ion	Ratio	Lower	Upper
95	100		
97	67.4	46.8	86.8
132	91.6	61.8	114.8
130	88.0	66.3	123.1

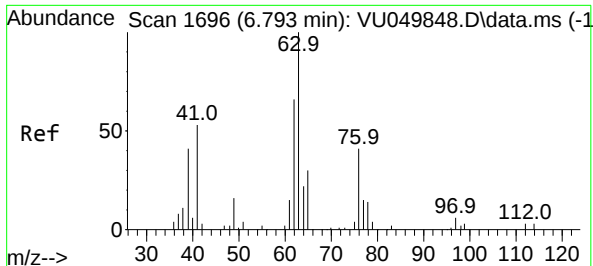


#35
Methylcyclohexane
Concen: 0.403 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 83 Resp: 3561

Ion	Ratio	Lower	Upper
83	100		
55	78.3	69.0	103.4
98	31.1	36.4	54.6





#37

1,2-Dichloropropane

Concen: 0.295 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

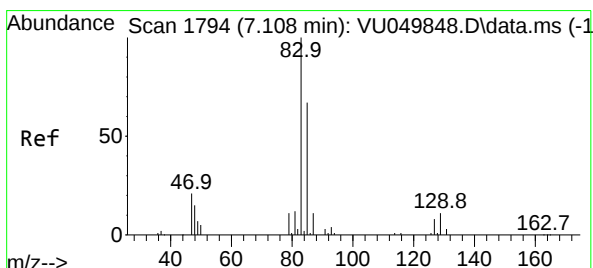
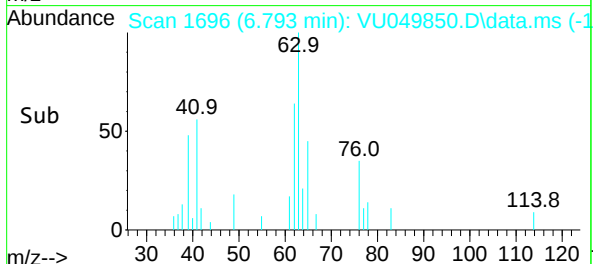
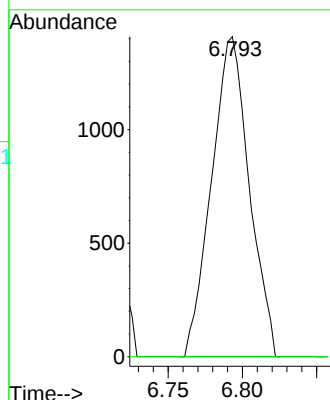
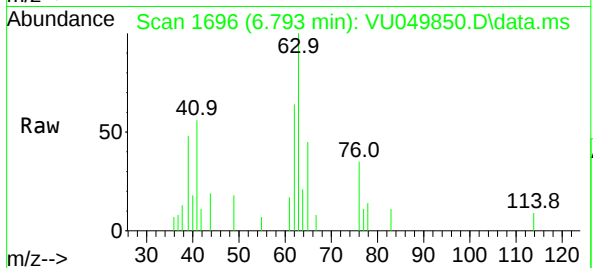
MDL-WATER-QT2-2022-03

Tgt Ion: 63 Resp: 2488

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.258 ug/L

RT: 7.112 min Scan# 1795

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

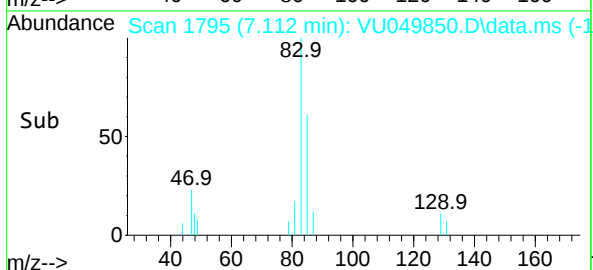
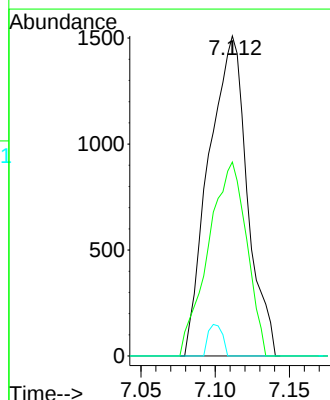
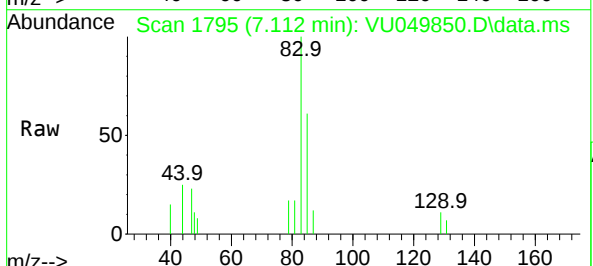
Tgt Ion: 83 Resp: 2718

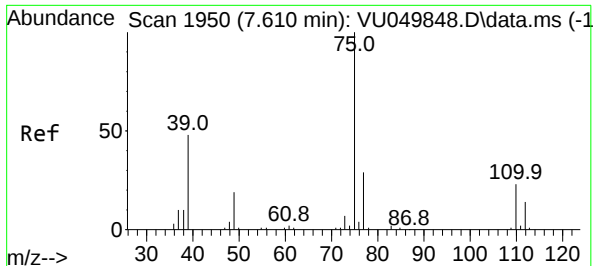
Ion Ratio Lower Upper

83 100

85 60.6 45.9 85.3

127 0.0 7.0 10.6#

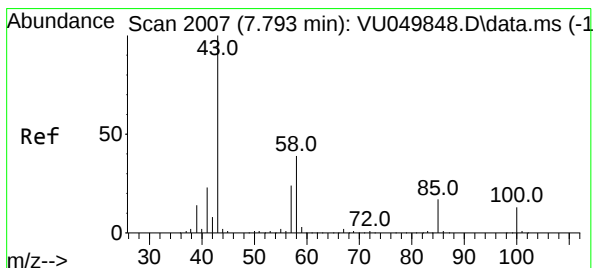
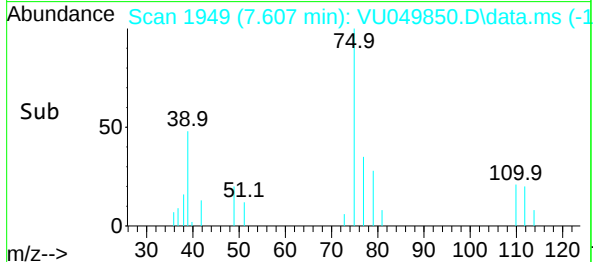
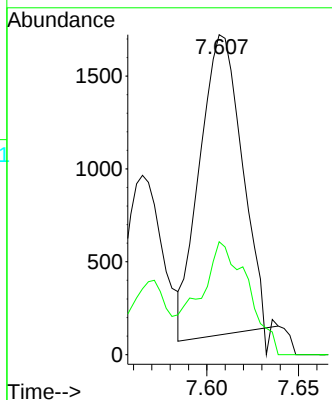
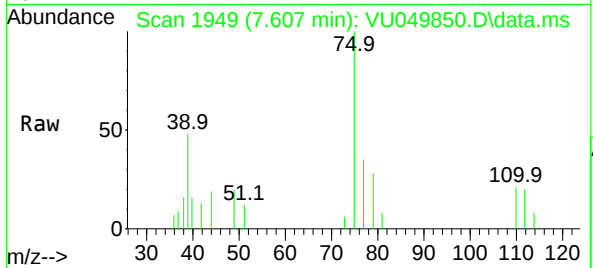




#39
 cis-1,3-Dichloropropene
 Concen: 0.233 ug/L
 RT: 7.607 min Scan# 1950
 Delta R.T. -0.003 min
 Lab File: VU049850.D
 Acq: 22 Jul 2022 15:21

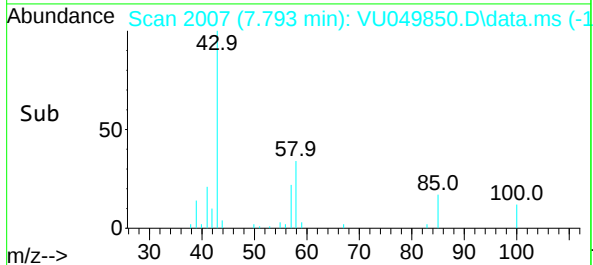
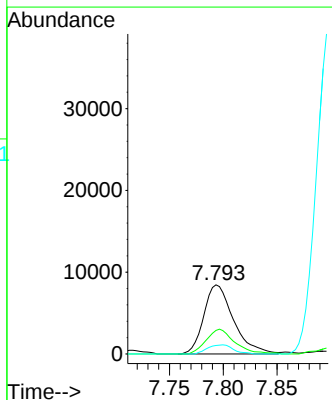
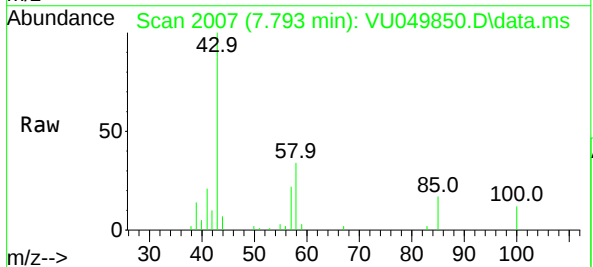
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2022-03

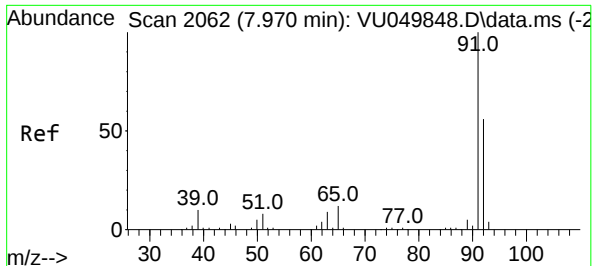
Tgt Ion: 75 Resp: 2581
 Ion Ratio Lower Upper
 75 100
 77 35.3 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 2.760 ug/L
 RT: 7.793 min Scan# 2007
 Delta R.T. -0.000 min
 Lab File: VU049850.D
 Acq: 22 Jul 2022 15:21

Tgt Ion: 43 Resp: 16216
 Ion Ratio Lower Upper
 43 100
 58 34.5 31.0 46.4
 100 0.0 10.4 15.6#





#42

Toluene

Concen: 0.342 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

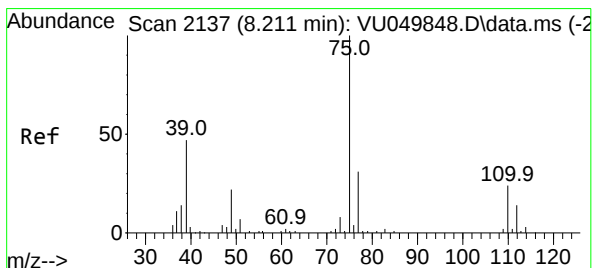
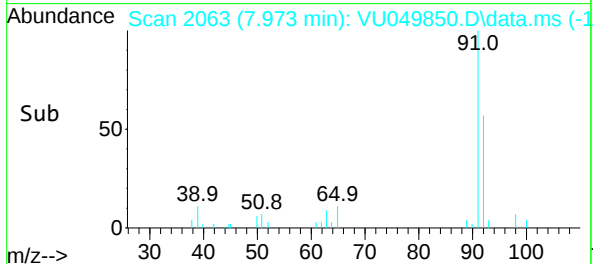
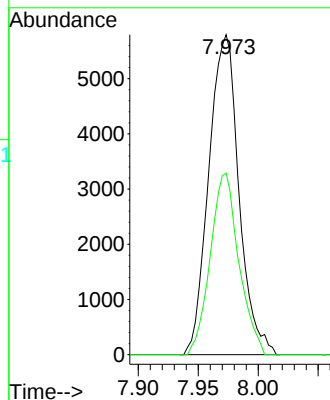
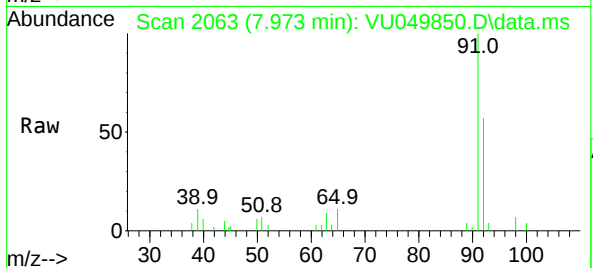
MDL-WATER-QT2-2022-03

Tgt Ion: 91 Resp: 10122

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.316 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU049850.D

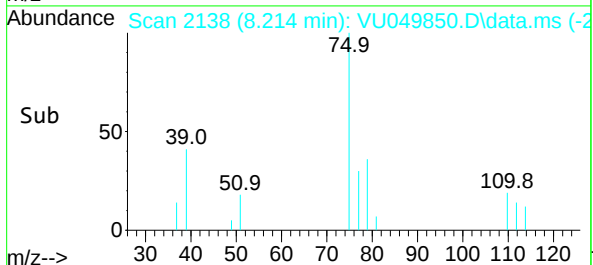
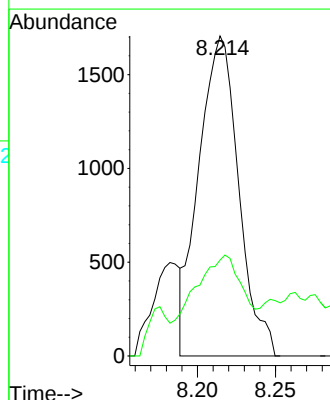
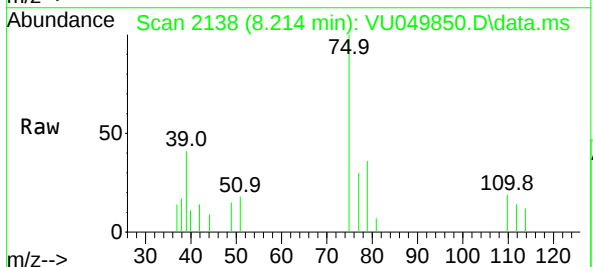
Acq: 22 Jul 2022 15:21

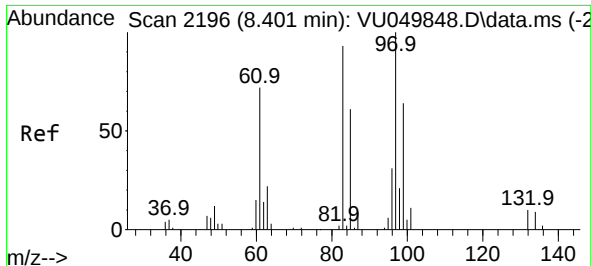
Tgt Ion: 75 Resp: 3027

Ion Ratio Lower Upper

75 100

77 30.0 21.2 39.4

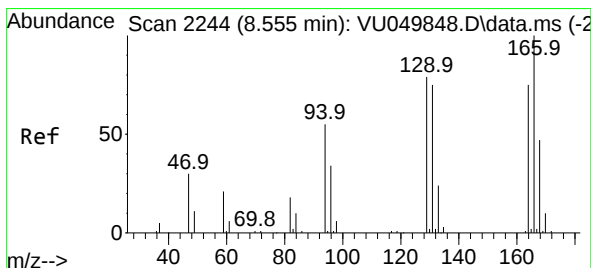
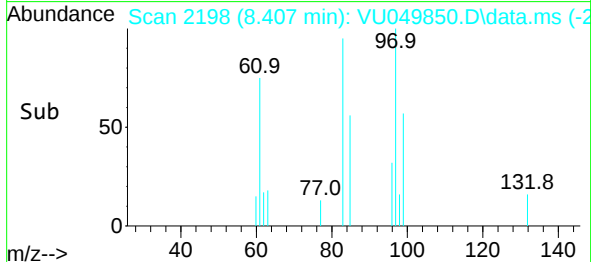
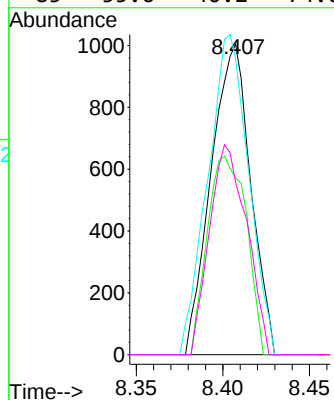
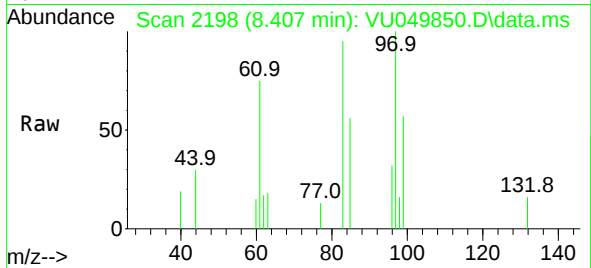




#45
1,1,2-Trichloroethane
Concen: 0.266 ug/L
RT: 8.407 min Scan# 2196
Delta R.T. 0.006 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

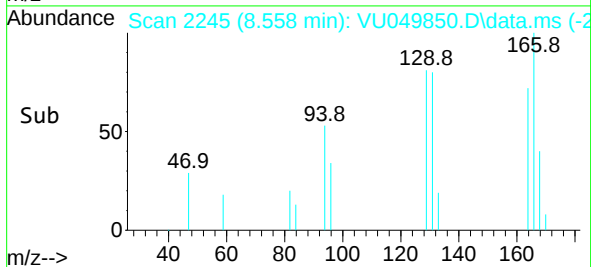
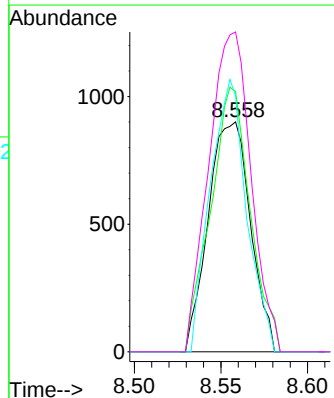
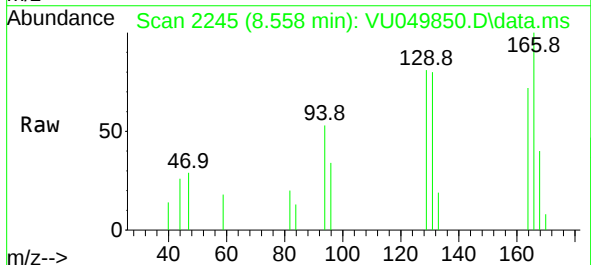
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

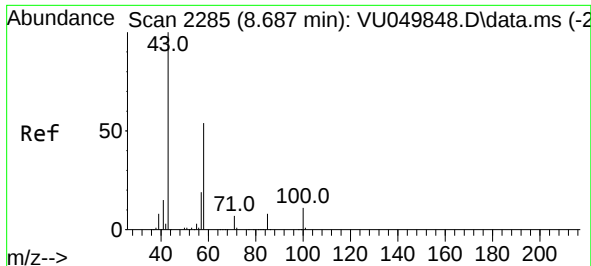
Tgt Ion:	97	Resp:	1598
Ion	Ratio	Lower	Upper
97	100		
99	57.0	43.8	81.3
83	95.4	62.4	115.8
85	55.6	40.2	74.6



#47
Tetrachloroethene
Concen: 0.309 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:	164	Resp:	1524
Ion	Ratio	Lower	Upper
164	100		
129	113.1	68.9	127.9
131	111.3	67.5	125.4
166	139.1	89.2	165.8

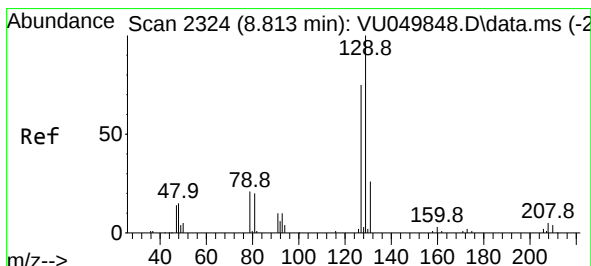
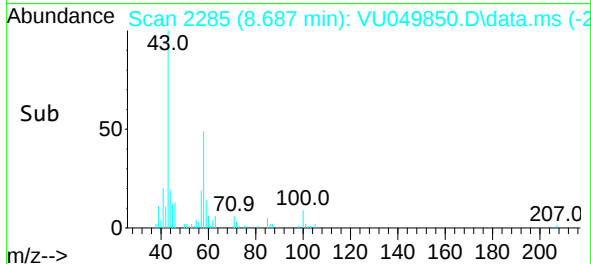
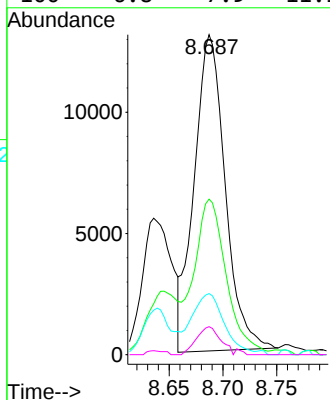
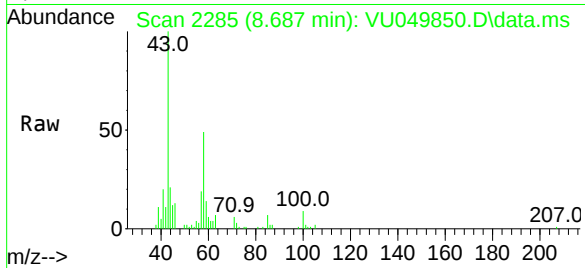




#48
2-Hexanone
Concen: 5.965 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

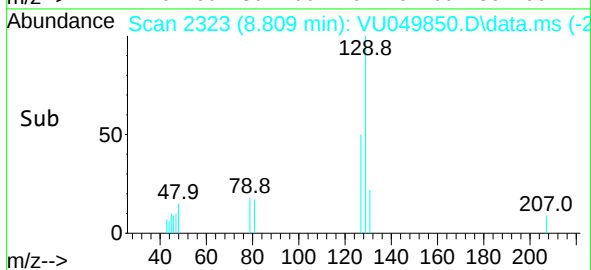
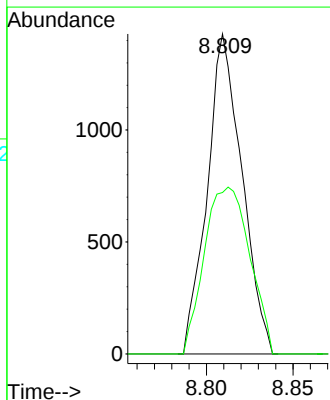
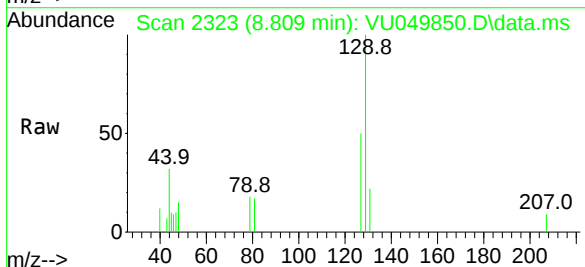
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2022-03

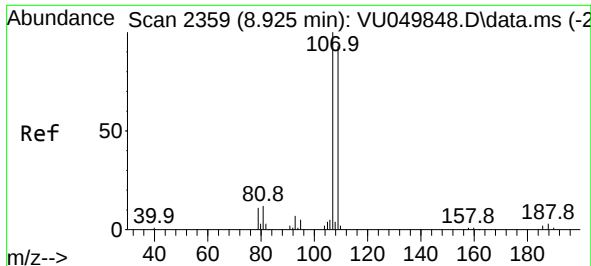
Tgt Ion: 43	Resp: 26157
Ion Ratio	Lower Upper
43 100	
58 50.6	42.1 63.1
57 18.5	14.3 21.5
100 6.8	7.9 11.9#



#49
Dibromochloromethane
Concen: 0.297 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:129	Resp:	1994	
Ion	Ratio	Lower	Upper
129	100		
127	50.5	50.5	93.7#

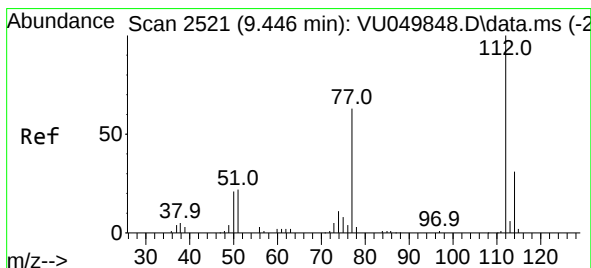
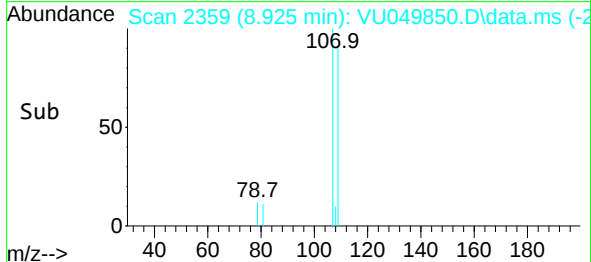
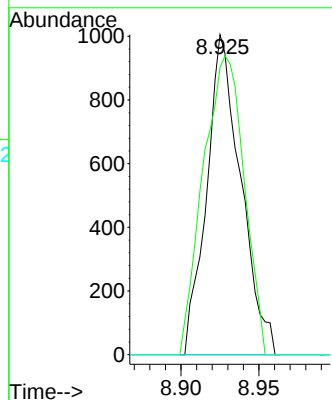
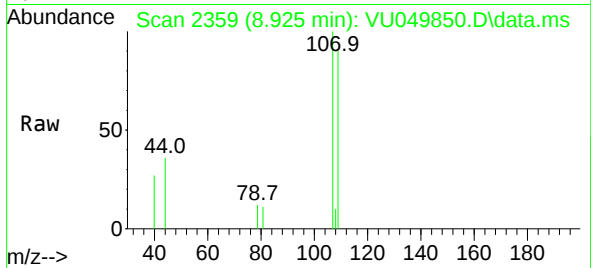




#50
1,2-Dibromoethane
Concen: 0.286 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

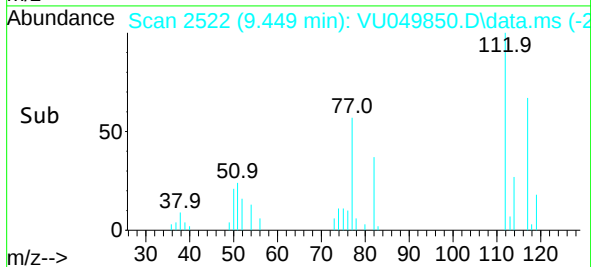
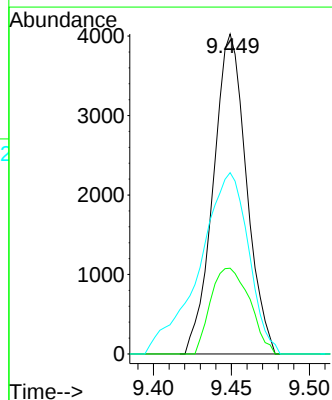
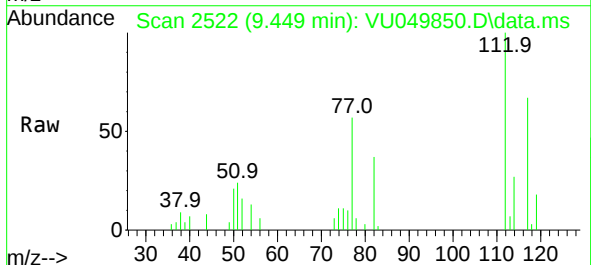
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

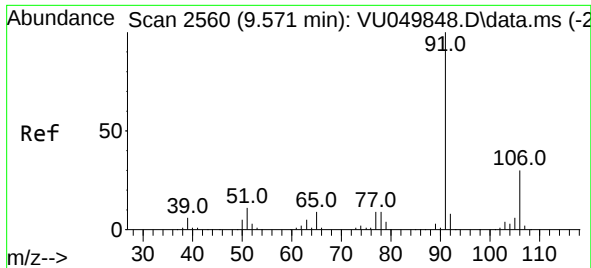
Tgt Ion:107 Resp: 1528
Ion Ratio Lower Upper
107 100
109 89.8 65.6 121.8
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 0.317 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:112 Resp: 5948
Ion Ratio Lower Upper
112 100
114 26.8 22.4 41.6
77 56.6 51.2 76.8

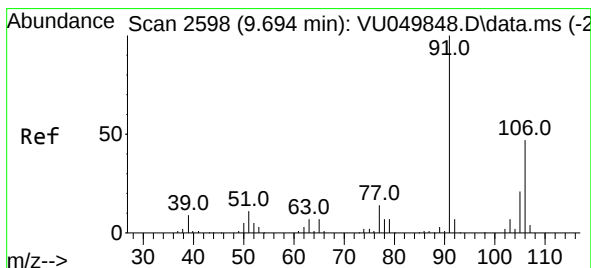
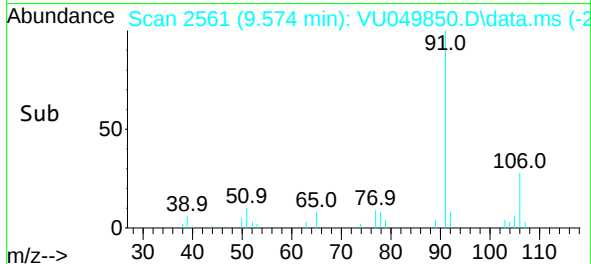
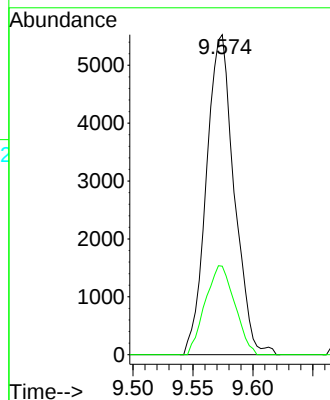
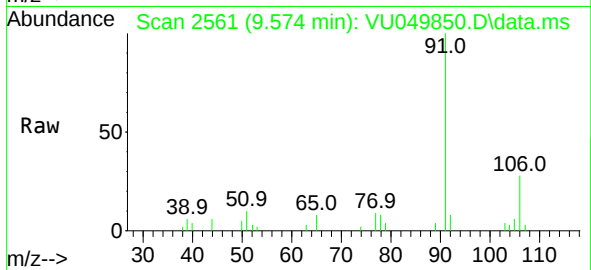




#52
Ethylbenzene
Concen: 0.293 ug/L
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

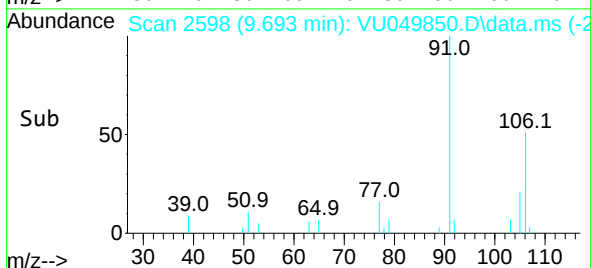
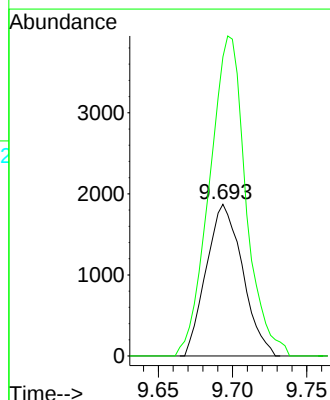
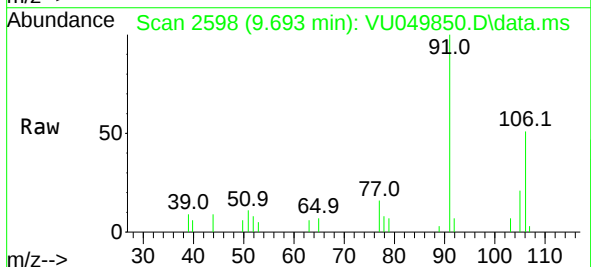
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

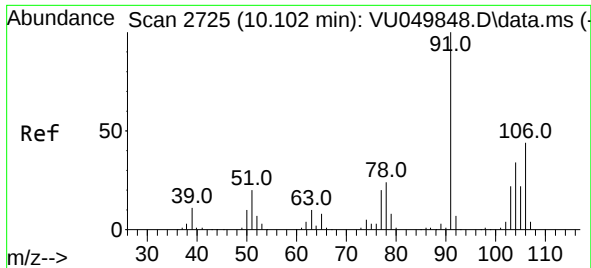
Tgt Ion: 91 Resp: 8917
Ion Ratio Lower Upper
91 100
106 27.7 20.6 38.4



#53
m,p-Xylene
Concen: 0.285 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion: 106 Resp: 3188
Ion Ratio Lower Upper
106 100
91 197.2 149.7 277.9

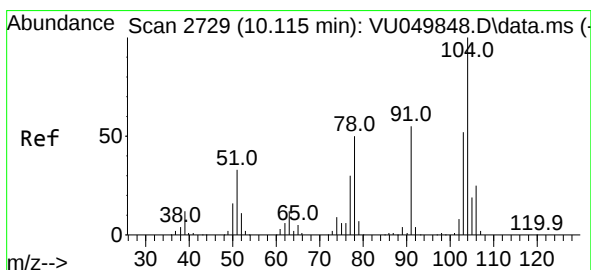
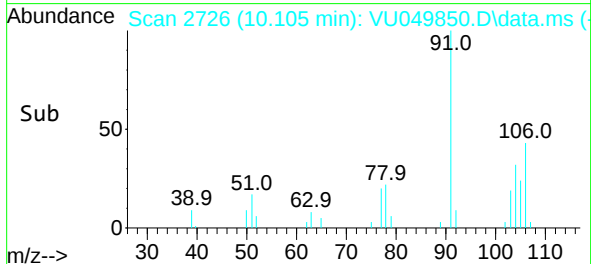
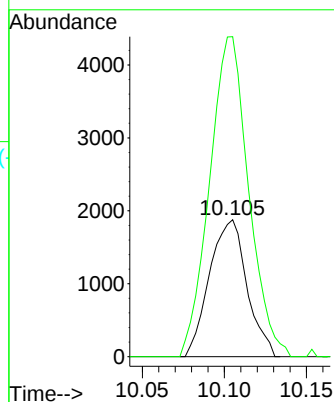
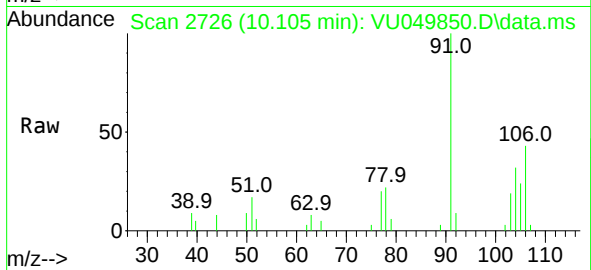




#54
o-Xylene
Concen: 0.269 ug/L
RT: 10.105 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

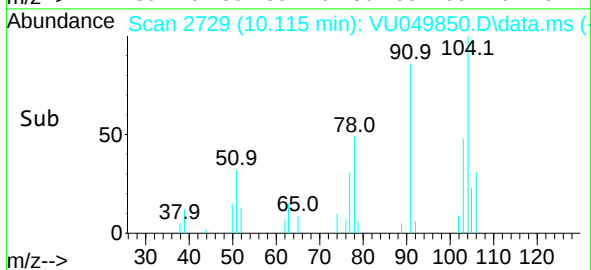
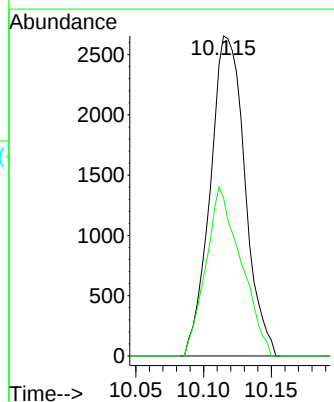
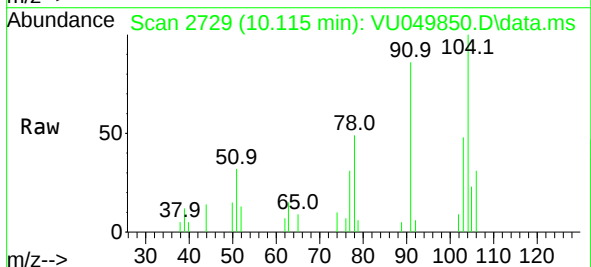
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

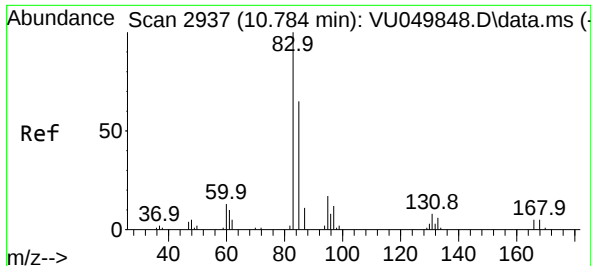
Tgt Ion:106 Resp: 2974
Ion Ratio Lower Upper
106 100
91 233.8 159.4 296.0



#55
Styrene
Concen: 0.252 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:104 Resp: 4717
Ion Ratio Lower Upper
104 100
78 55.4 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.295 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

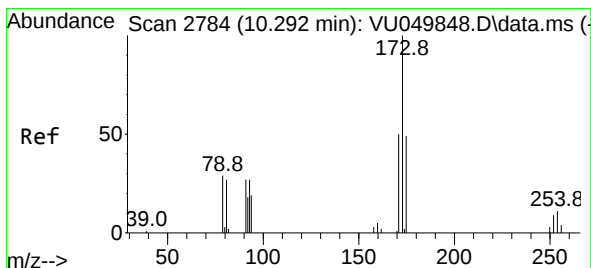
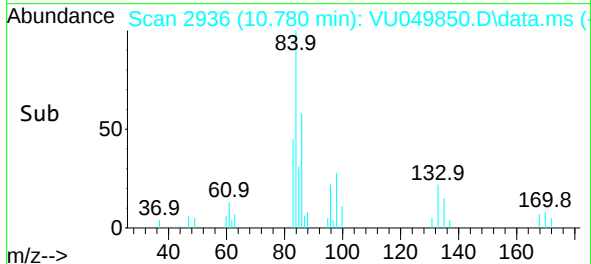
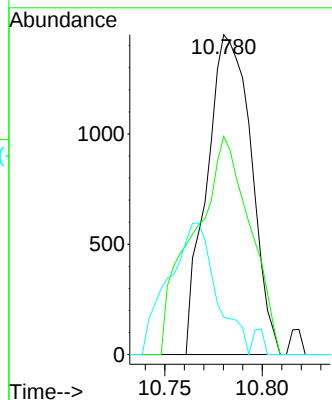
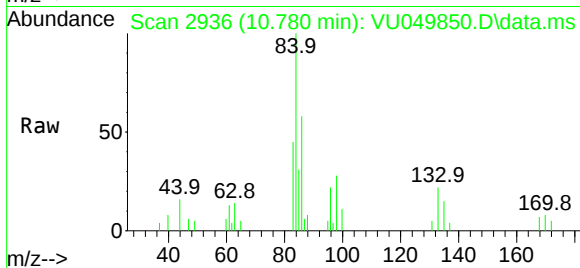
Tgt Ion: 83 Resp: 2293

Ion Ratio Lower Upper

83 100

85 68.2 47.9 89.1

131 11.7 7.3 10.9#



#59

Bromoform

Concen: 0.356 ug/L

RT: 10.298 min Scan# 2786

Delta R.T. 0.006 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

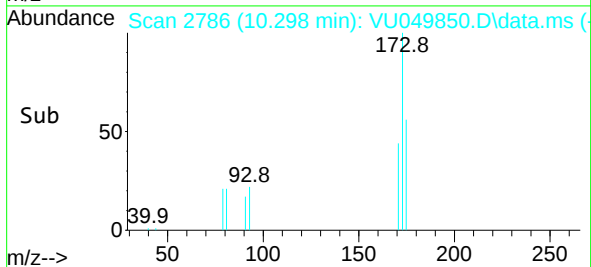
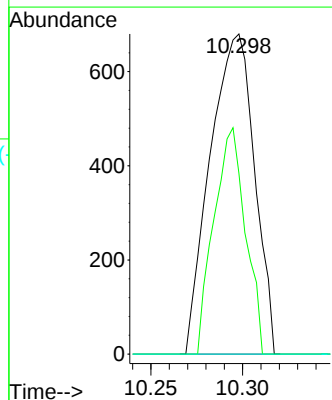
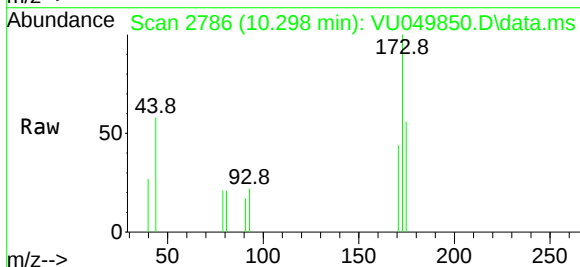
Tgt Ion:173 Resp: 1143

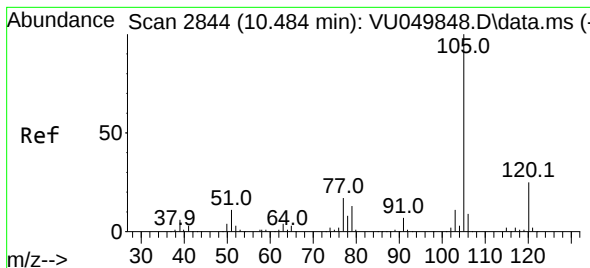
Ion Ratio Lower Upper

173 100

175 50.2 39.5 59.3

254 0.0 7.5 11.3#





#60

Isopropylbenzene

Concen: 0.309 ug/L

RT: 10.488 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

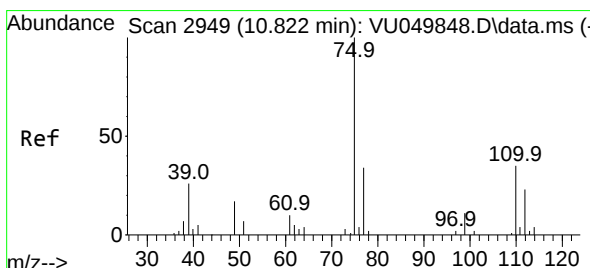
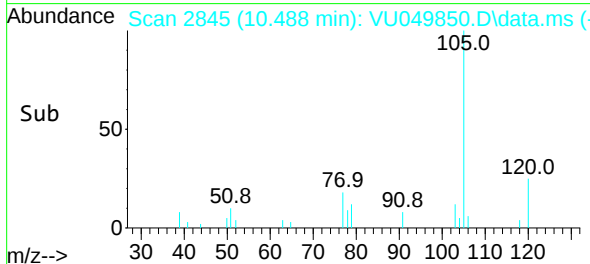
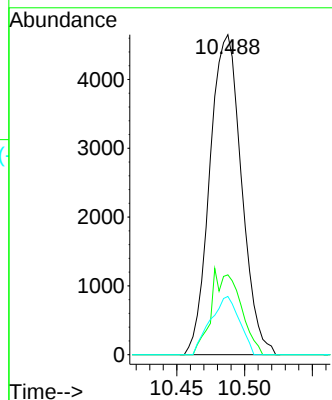
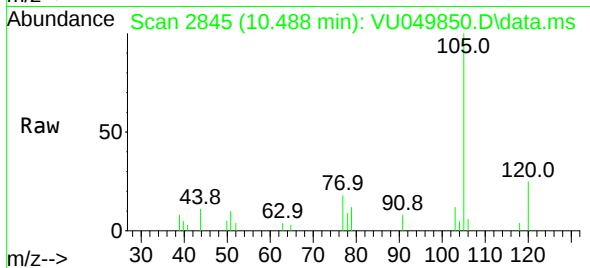
Tgt Ion:105 Resp: 7543

Ion Ratio Lower Upper

105 100

120 24.4 20.4 30.6

77 16.7 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 0.335 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

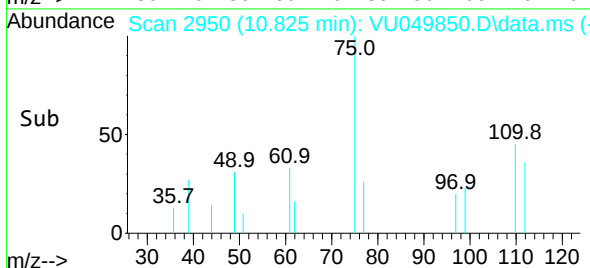
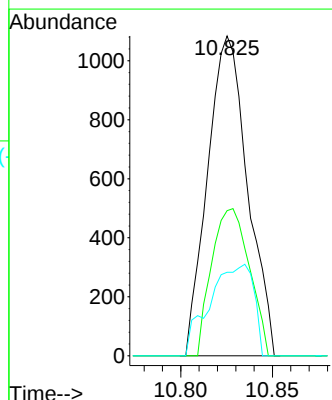
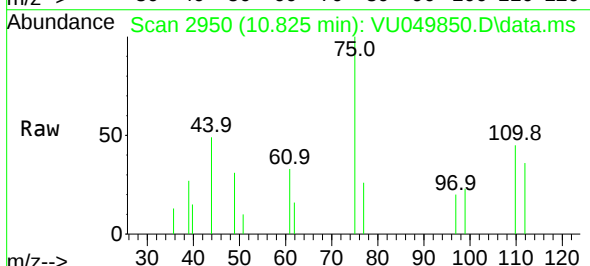
Tgt Ion: 75 Resp: 1645

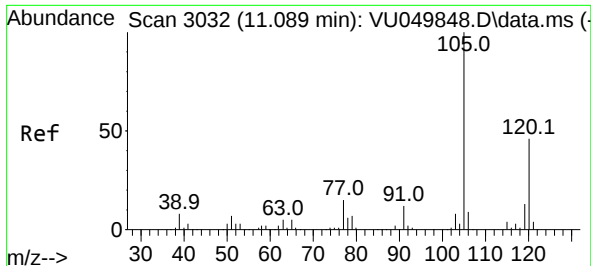
Ion Ratio Lower Upper

75 100

110 43.4 28.0 42.0#

77 31.4 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 0.277 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

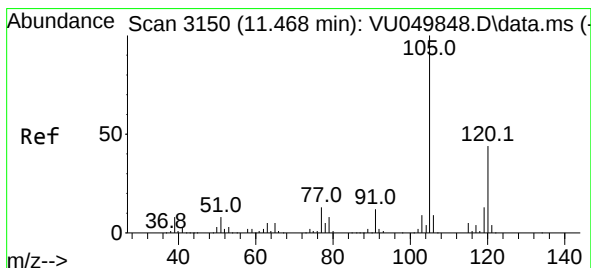
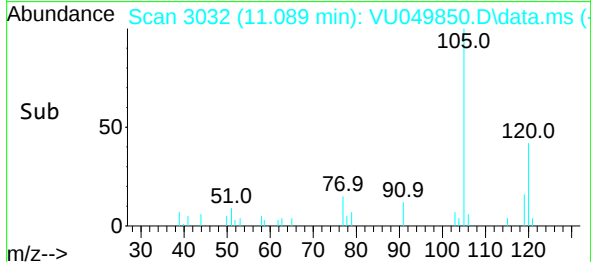
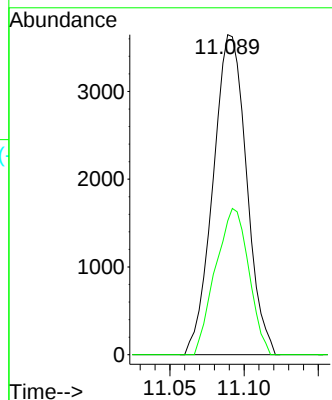
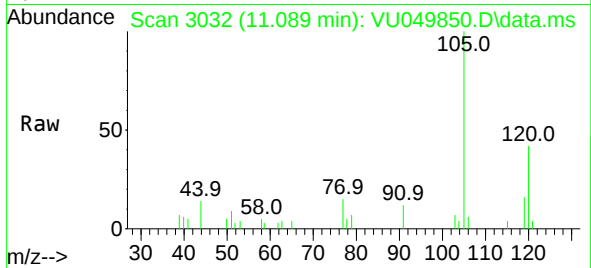
MDL-WATER-QT2-2022-03

Tgt Ion:105 Resp: 5713

Ion Ratio Lower Upper

105 100

120 45.4 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 0.273 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049850.D

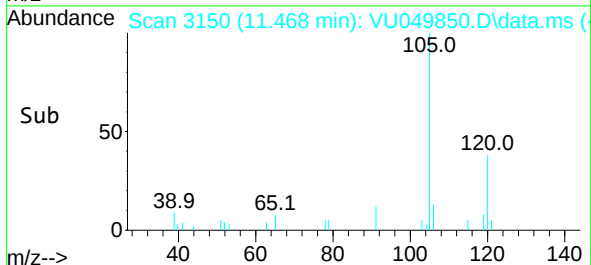
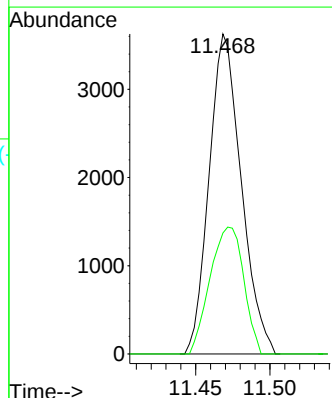
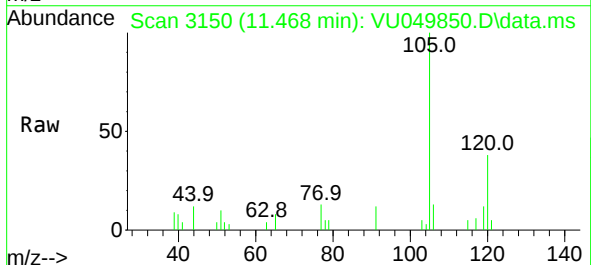
Acq: 22 Jul 2022 15:21

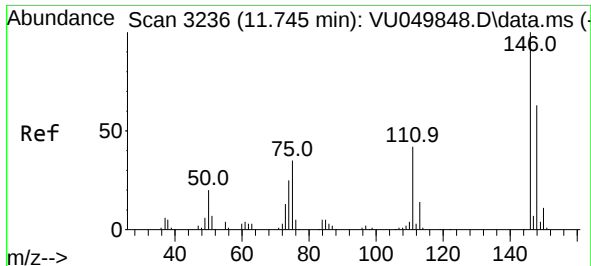
Tgt Ion:105 Resp: 5462

Ion Ratio Lower Upper

105 100

120 41.4 34.2 51.4

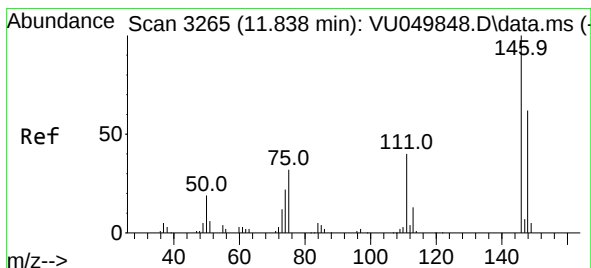
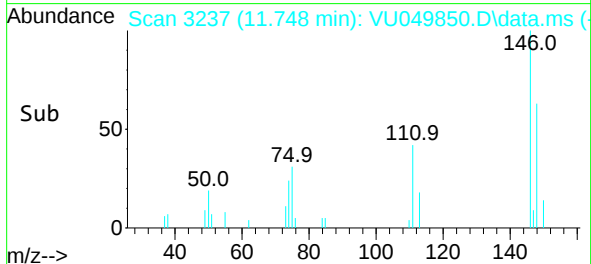
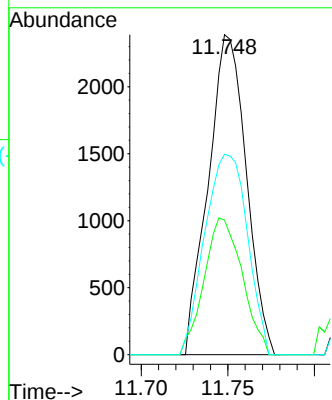
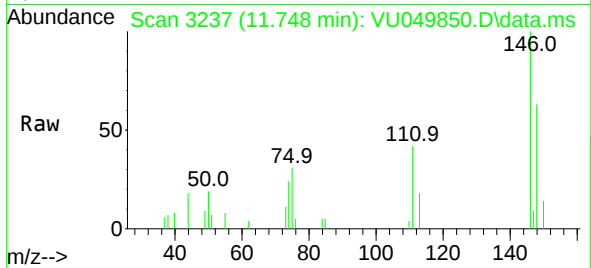




#64
1,3-Dichlorobenzene
Concen: 0.302 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

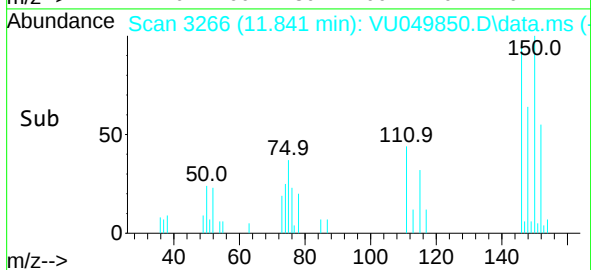
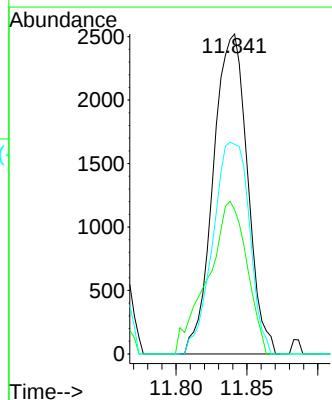
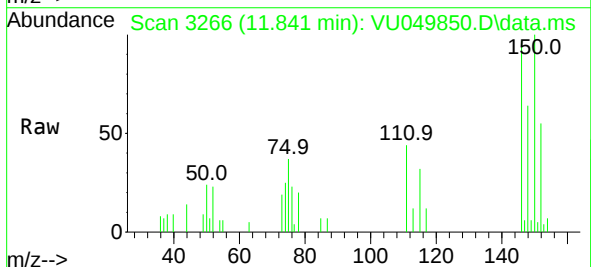
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

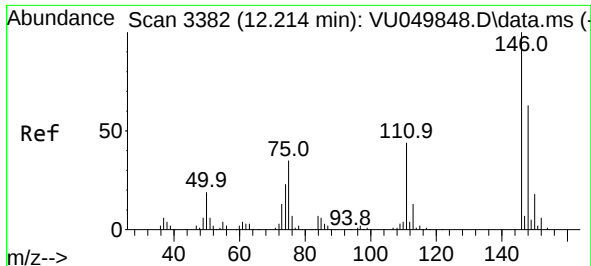
Tgt Ion:146 Resp: 3646
Ion Ratio Lower Upper
146 100
111 42.0 30.0 55.8
148 62.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 0.354 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:146 Resp: 4220
Ion Ratio Lower Upper
146 100
111 45.1 29.5 54.7
148 65.5 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 0.363 ug/L

RT: 12.217 min Scan# 311

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

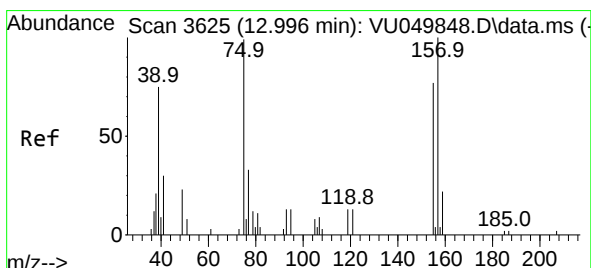
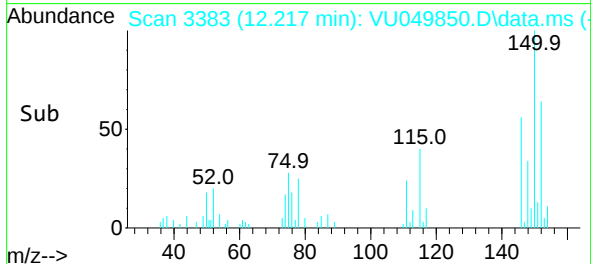
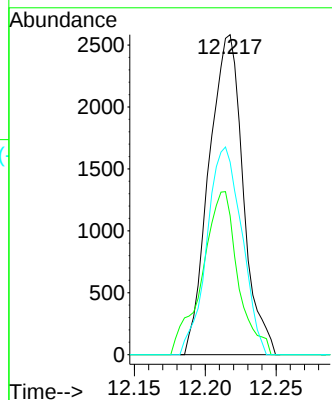
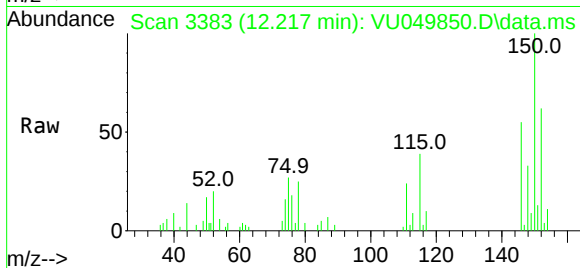
Tgt Ion:146 Resp: 4325

Ion Ratio Lower Upper

146 100

111 43.4 35.8 53.8

148 60.2 50.3 75.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.283 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

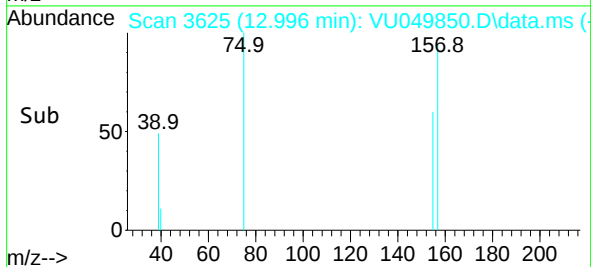
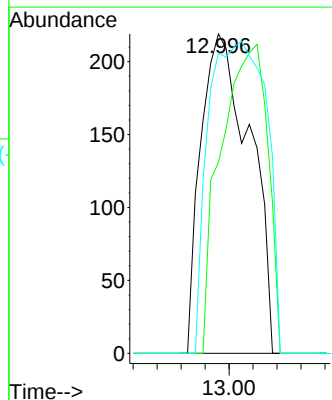
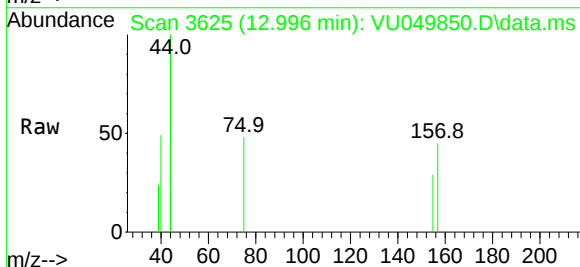
Tgt Ion: 75 Resp: 311

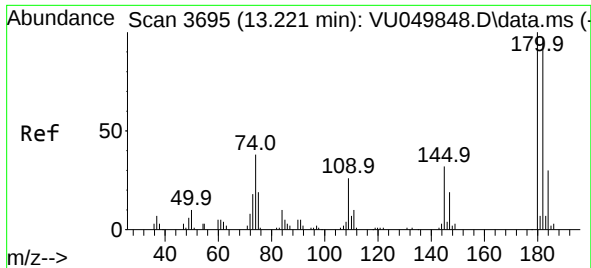
Ion Ratio Lower Upper

75 100

155 59.8 60.4 90.6#

157 94.1 70.0 105.0





#69

1,3,5-Trichlorobenzene

Concen: 0.368 ug/L

RT: 13.224 min Scan# 3695

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2022-03

Tgt Ion:180 Resp: 3281

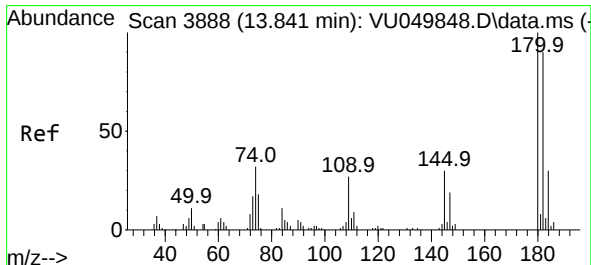
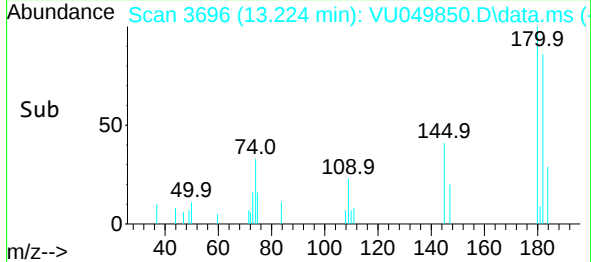
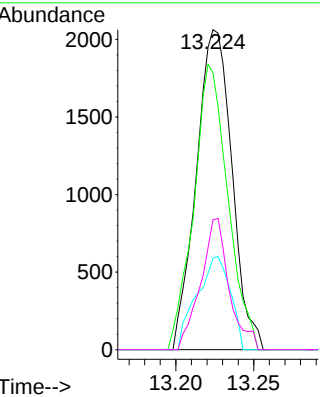
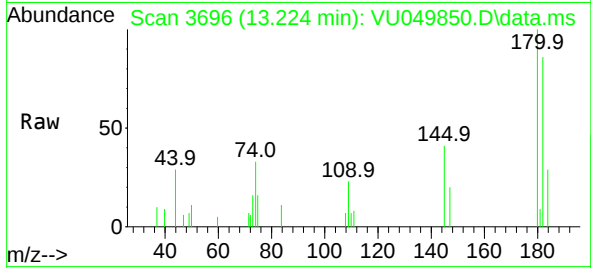
Ion Ratio Lower Upper

180 100

182 85.0 77.2 115.8

184 27.3 25.3 37.9

145 32.8 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 0.467 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU049850.D

Acq: 22 Jul 2022 15:21

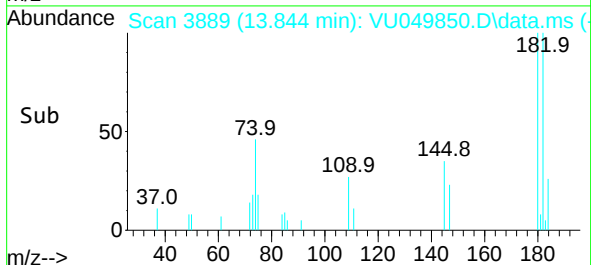
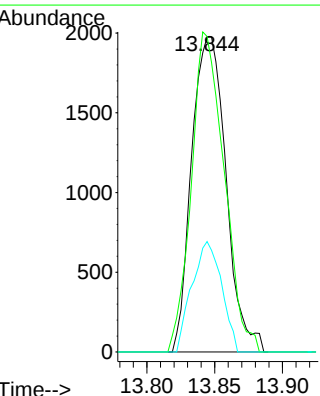
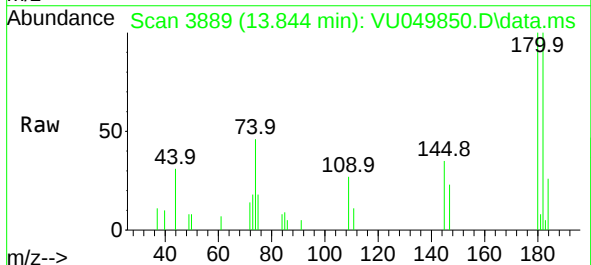
Tgt Ion:180 Resp: 3492

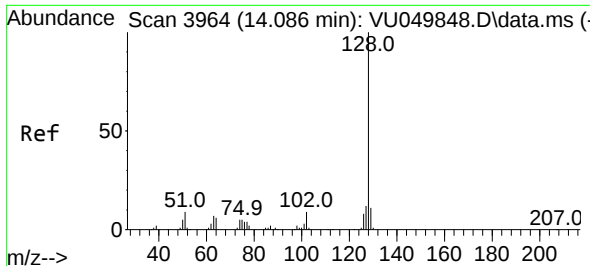
Ion Ratio Lower Upper

180 100

182 96.7 77.0 115.4

145 30.1 26.1 39.1

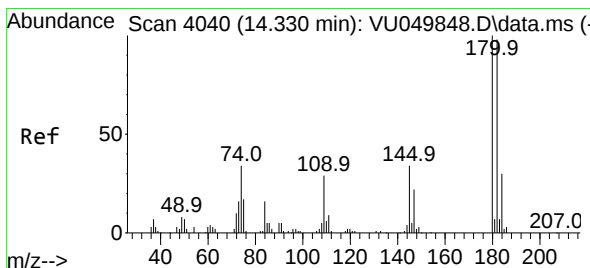
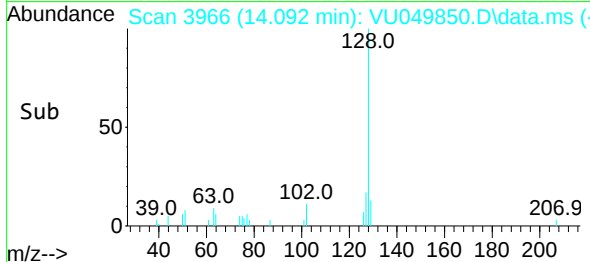
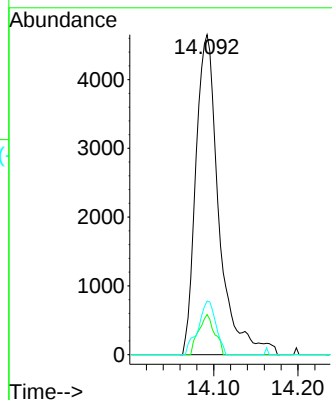
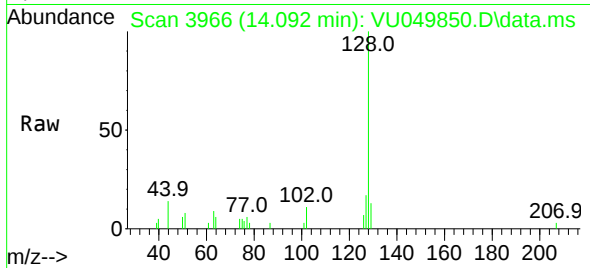




#71
Naphthalene
Concen: 0.607 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2022-03

Tgt Ion:128 Resp: 8856
Ion Ratio Lower Upper
128 100
129 8.7 8.2 12.4
127 12.9 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 0.532 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049850.D
Acq: 22 Jul 2022 15:21

Tgt Ion:180 Resp: 3827
Ion Ratio Lower Upper
180 100
182 80.1 73.9 110.9
145 29.9 27.8 41.6

