

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101121\
 Data File : VU045279.D
 Acq On : 11 Oct 2021 13:42
 Operator : SY/MD
 Sample : M3263-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2021-07

Quant Time: Oct 12 05:51:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 12 05:50:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	277854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	265704	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	122666	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	132274	43.487	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.980%
7) Chloroethane-d5	1.896	69	110343	45.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.560%
11) 1,1-Dichloroethene-d2	2.562	63	172768	33.823	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.640%
21) 2-Butanone-d5	4.626	46	213050	88.598	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.600%
24) Chloroform-d	5.066	84	219817	45.757	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.520%
26) 1,2-Dichloroethane-d4	5.706	65	153391	47.138	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.280%
32) Benzene-d6	5.732	84	461245	50.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.060%
36) 1,2-Dichloropropane-d6	6.697	67	149033	49.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.140%
41) Toluene-d8	7.902	98	400514	50.338	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.680%
43) trans-1,3-Dichloroprop...	8.182	79	68605	51.302	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.600%
47) 2-Hexanone-d5	8.635	63	147544	88.562	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.560%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	223515	47.746	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.500%
66) 1,2-Dichlorobenzene-d4	12.198	152	142753	53.475	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6674	2.509	ug/L	98
3) Chloromethane	1.523	50	8376	2.526	ug/L	99
5) Vinyl chloride	1.604	62	8283	2.549	ug/L #	10
6) Bromomethane	1.835	94	4180	2.682	ug/L	99
8) Chloroethane	1.919	64	4826	2.367	ug/L	87
9) Trichlorofluoromethane	2.131	101	9257	2.489	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6992	2.979	ug/L	87
12) 1,1-Dichloroethene	2.578	96	6631	3.082	ug/L #	1
13) Acetone	2.632	43	11561	4.159	ug/L	98
14) Carbon disulfide	2.790	76	16268	2.360	ug/L	97
15) Methyl Acetate	2.954	43	8857	2.584	ug/L	96
16) Methylene chloride	3.047	84	8913	3.270	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	5751	2.537	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	19810	2.651	ug/L	98
19) 1,1-Dichloroethane	3.874	63	11793	2.501	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	6536	2.617	ug/L	90
22) 2-Butanone	4.713	43	12901	4.147	ug/L	99
23) Bromochloromethane	4.976	128	3008	2.376	ug/L	97
25) Chloroform	5.092	83	15341	3.273	ug/L	93

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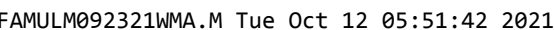
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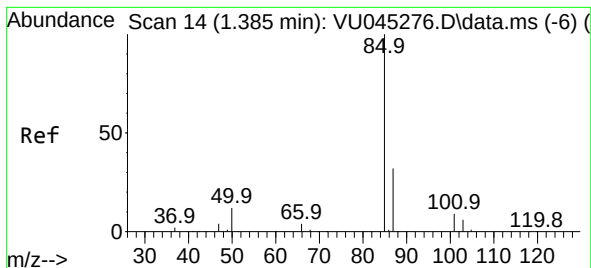
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.800	62	10287	2.624	ug/L	99
29) Cyclohexane	5.391	56	9913	2.482	ug/L #	92
30) 1,1,1-Trichloroethane	5.320	97	9086	2.470	ug/L	99
31) Carbon tetrachloride	5.526	117	7192	2.476	ug/L	92
33) Benzene	5.777	78	25460	2.584	ug/L	100
34) Trichloroethene	6.545	95	6035	2.550	ug/L	93
35) Methylcyclohexane	6.767	83	10032	2.531	ug/L	97
37) 1,2-Dichloropropane	6.796	63	7120	2.654	ug/L #	96
38) Bromodichloromethane	7.108	83	8334	2.534	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	9949	2.591	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	21018	4.689	ug/L	99
42) Toluene	7.973	91	32797	3.275	ug/L	96
44) trans-1,3-Dichloropropene	8.214	75	9897	2.711	ug/L	92
45) 1,1,2-Trichloroethane	8.407	97	6455	2.655	ug/L	98
46) Tetrachloroethene	8.555	164	4380	2.589	ug/L	90
48) 2-Hexanone	8.690	43	22539	5.671	ug/L	99
49) Dibromochloromethane	8.815	129	6200	2.578	ug/L	93
50) 1,2-Dibromoethane	8.928	107	6793	2.668	ug/L	94
51) Chlorobenzene	9.452	112	16696	2.701	ug/L	96
52) Ethylbenzene	9.574	91	27429	2.593	ug/L	100
53) m,p-Xylene	9.696	106	10358	2.585	ug/L	98
54) o-xylene	10.105	106	10074	2.558	ug/L	98
55) Styrene	10.118	104	15677	2.315	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.786	83	12546	2.695	ug/L #	97
59) Bromoform	10.295	173	3755	2.468	ug/L #	89
60) 1,2,3-Trichloropropane	10.825	75	10035	2.958	ug/L	97
61) Isopropylbenzene	10.487	105	24707	2.752	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	19592	2.613	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	19746	2.572	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	11460	2.762	ug/L	94
65) 1,4-Dichlorobenzene	11.841	146	12166	2.858	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	12377	2.906	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.002	75	2411	2.473	ug/L	88
69) 1,3,5-Trichlorobenzene	13.224	180	7585	2.634	ug/L	98
70) 1,2,4-trichlorobenzene	13.847	180	6074	2.539	ug/L	97
71) Naphthalene	14.092	128	19610	2.365	ug/L	97
72) 1,2,3-Trichlorobenzene	14.333	180	6053	2.473	ug/L	95

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

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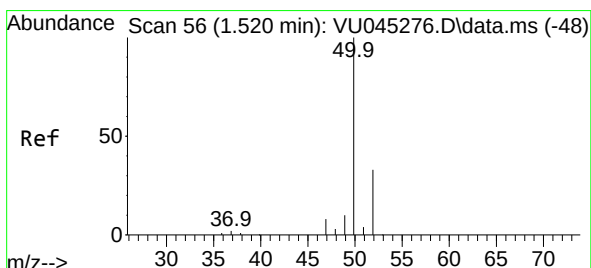
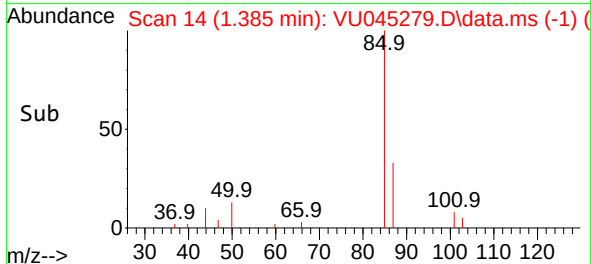
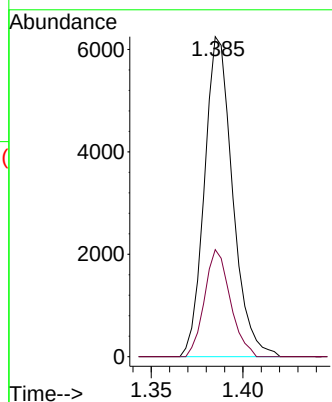
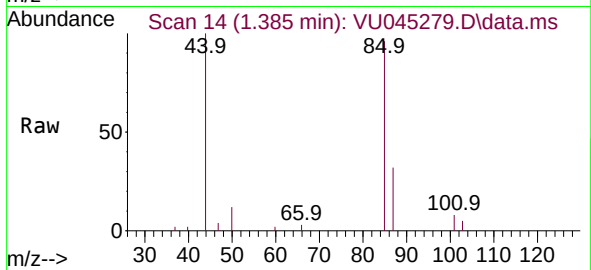




#2
Dichlorodifluoromethane
Concen: 2.509 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

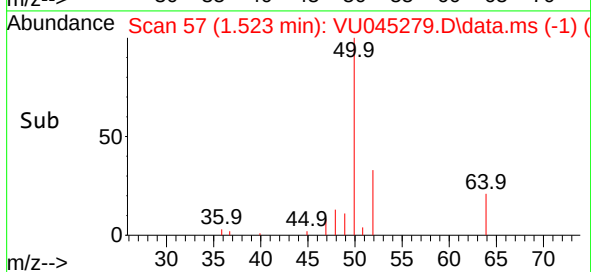
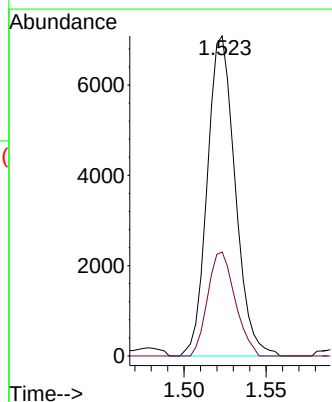
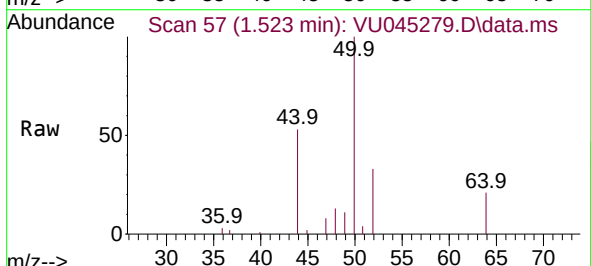
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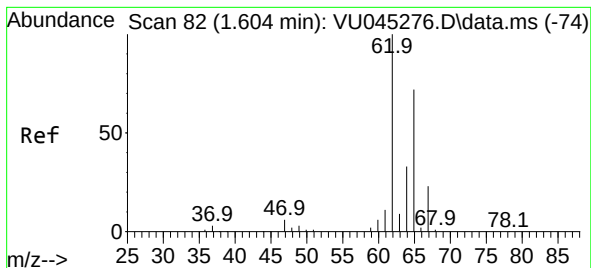
Tgt Ion: 85 Resp: 6674
Ion Ratio Lower Upper
85 100
87 30.5 25.2 37.8



#3
Chloromethane
Concen: 2.526 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 50 Resp: 8376
Ion Ratio Lower Upper
50 100
52 32.5 23.0 42.8





#5

Vinyl chloride

Concen: 2.549 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion: 62 Resp: 8283

Ion Ratio Lower Upper

62 100

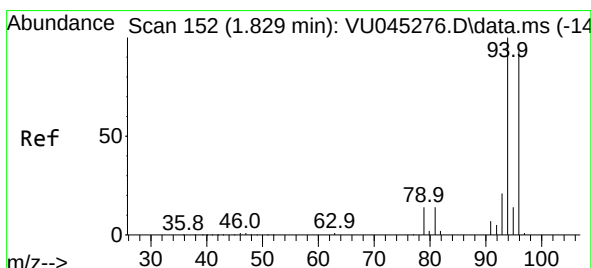
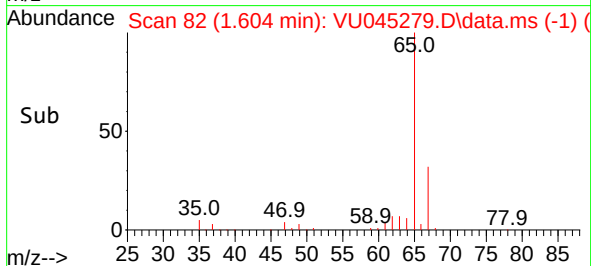
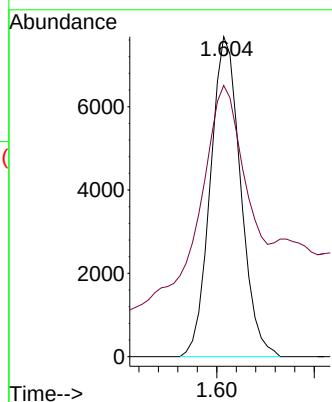
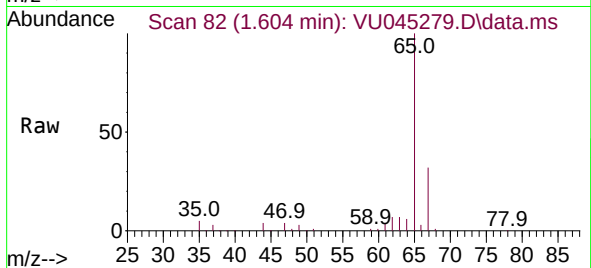
64 84.7 23.4 43.6#

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2021-07



#6

Bromomethane

Concen: 2.682 ug/L

RT: 1.835 min Scan# 154

Delta R.T. 0.006 min

Lab File: VU045279.D

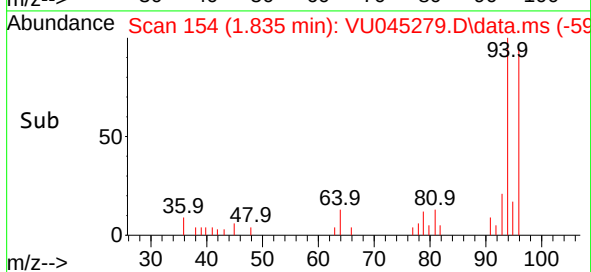
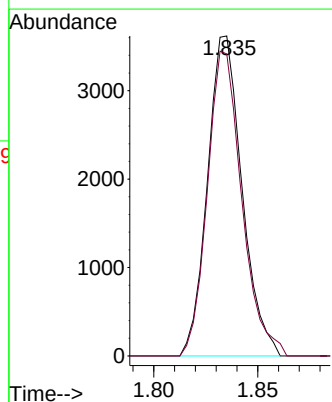
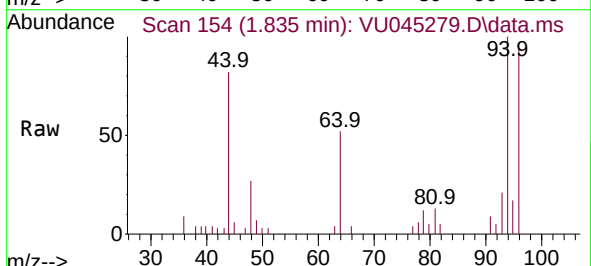
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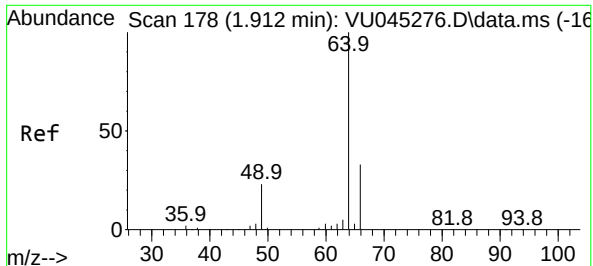
Tgt Ion: 94 Resp: 4180

Ion Ratio Lower Upper

94 100

96 94.4 65.7 121.9

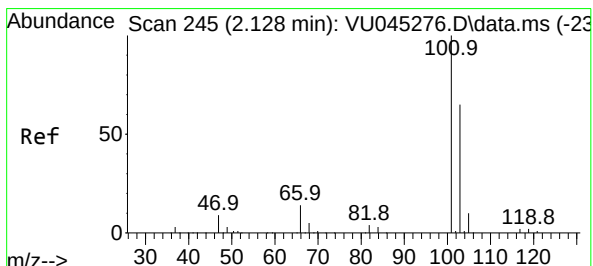
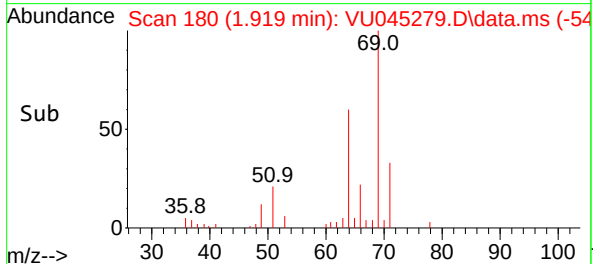
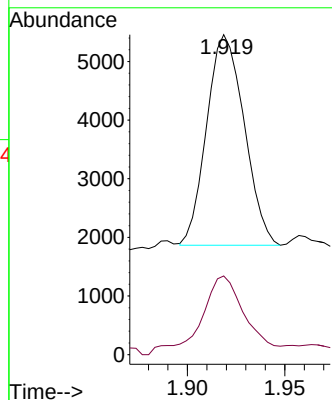
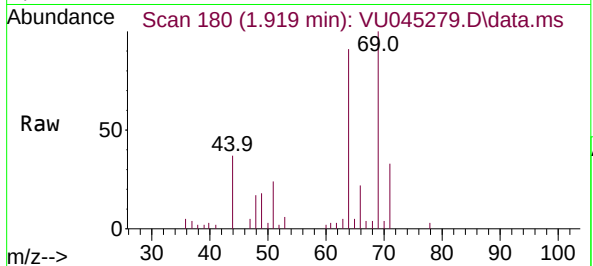




#8
Chloroethane
Concen: 2.367 ug/L
RT: 1.919 min Scan# 180
Delta R.T. 0.006 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

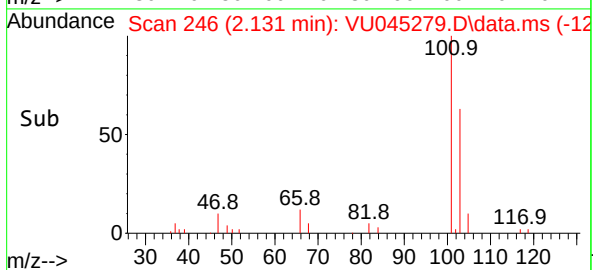
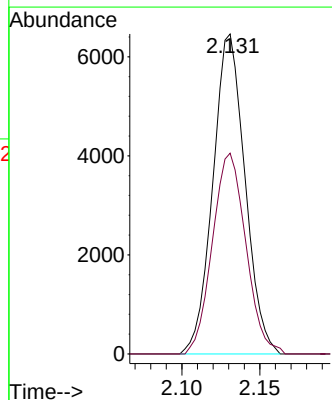
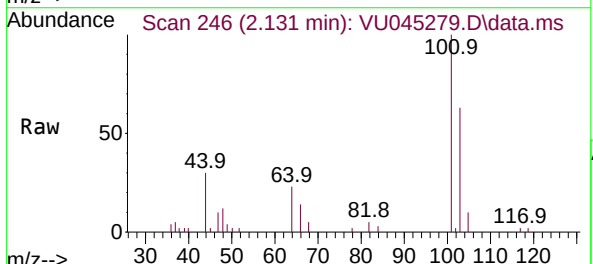
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ClientSampleId :
MDL-WATER-QT4-2021-07

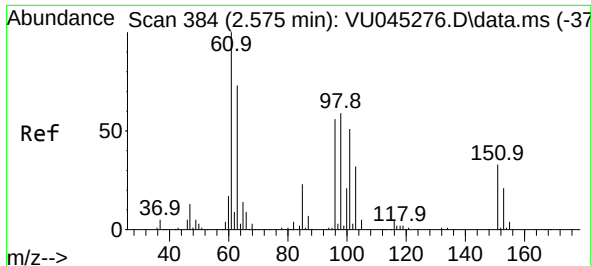
Tgt Ion: 64 Resp: 4826
Ion Ratio Lower Upper
64 100
66 24.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 2.489 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 101 Resp: 9257
Ion Ratio Lower Upper
101 100
103 65.3 50.9 76.3





#10

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

Concen: 2.979 ug/L

RT: 2.578 min Scan# 385

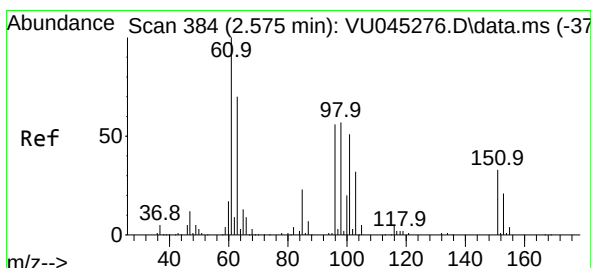
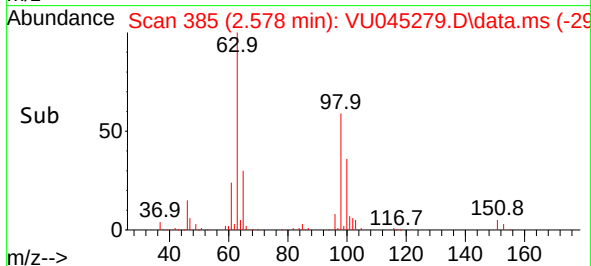
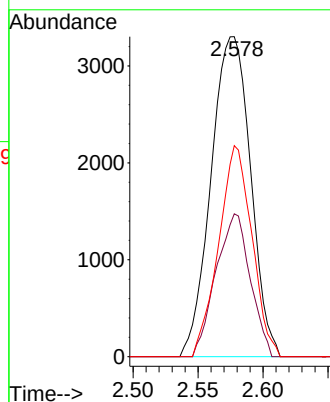
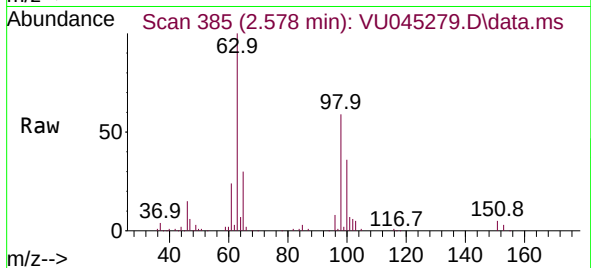
Delta R.T. 0.003 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion:	101	Resp:	6992
Ion	Ratio	Lower	Upper
101	100		
85	38.6	36.4	54.6
151	55.5	54.4	81.6

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07



#12

1,1-Dichloroethene

Concen: 3.082 ug/L

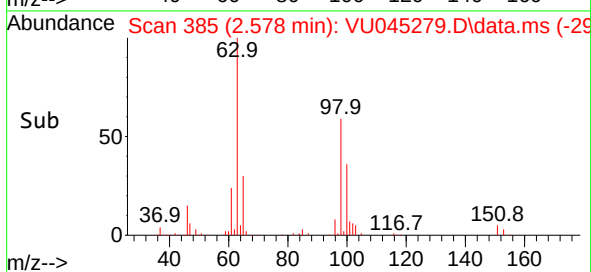
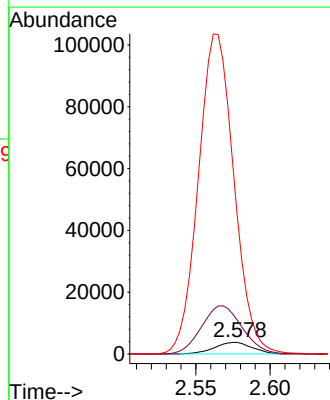
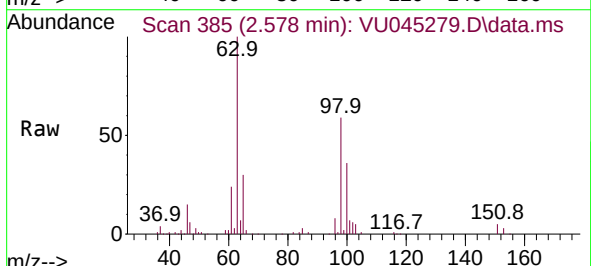
RT: 2.578 min Scan# 385

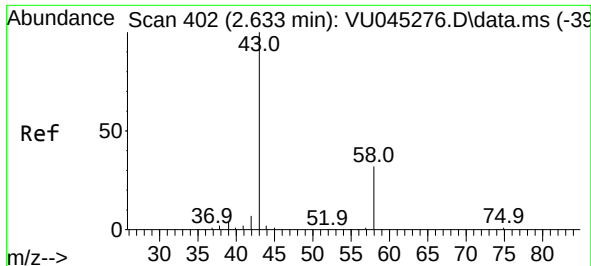
Delta R.T. 0.003 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion:	96	Resp:	6631
Ion	Ratio	Lower	Upper
96	100		
61	293.1	131.3	243.9#
63	1199.1	102.5	190.3#

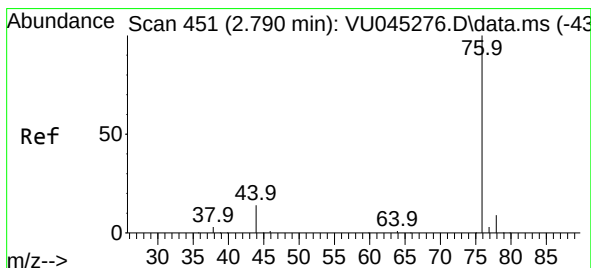
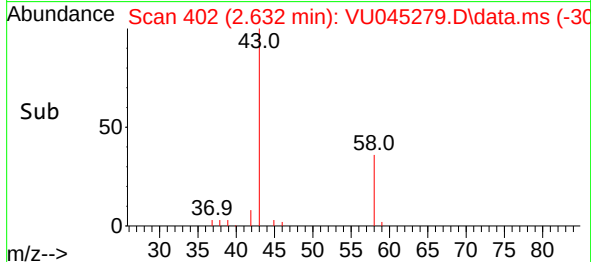
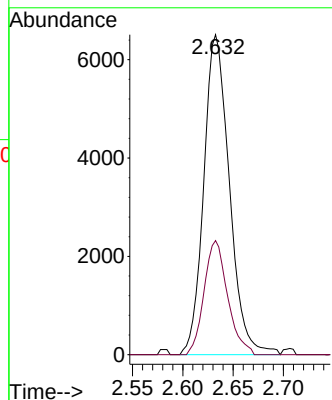
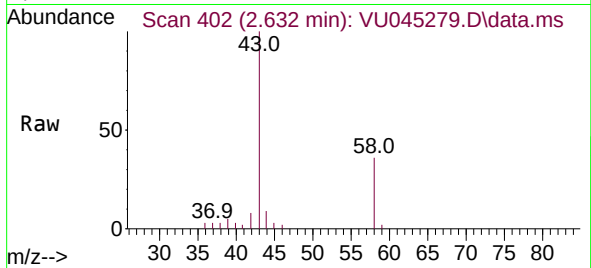




#13
Acetone
Concen: 4.159 ug/L
RT: 2.632 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

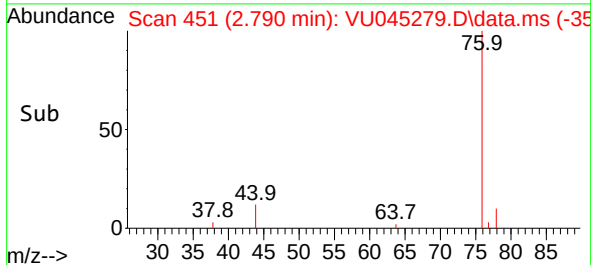
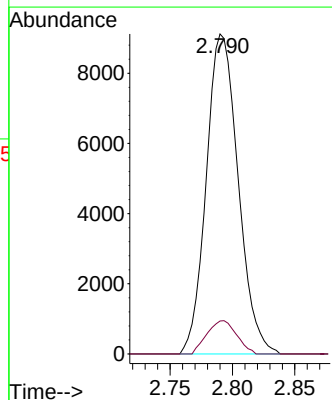
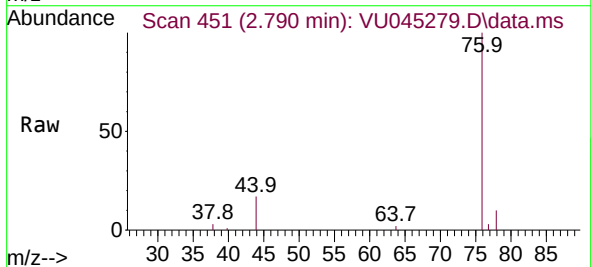
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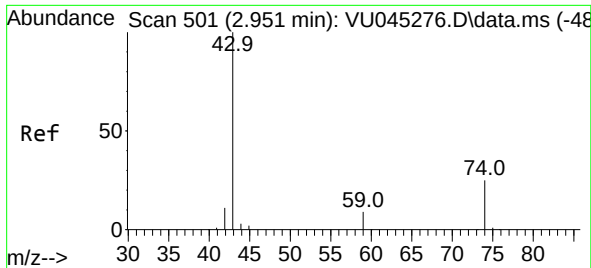
Tgt Ion: 43 Resp: 11561
Ion Ratio Lower Upper
43 100
58 32.7 0.0 62.8



#14
Carbon disulfide
Concen: 2.360 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 76 Resp: 16268
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

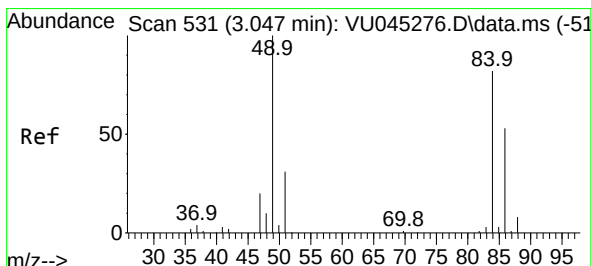
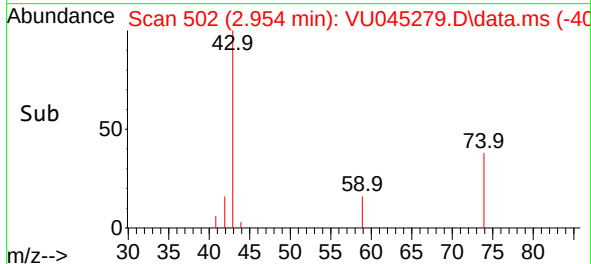
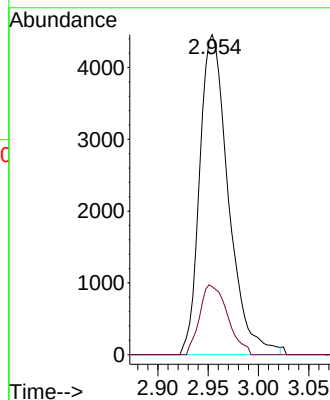
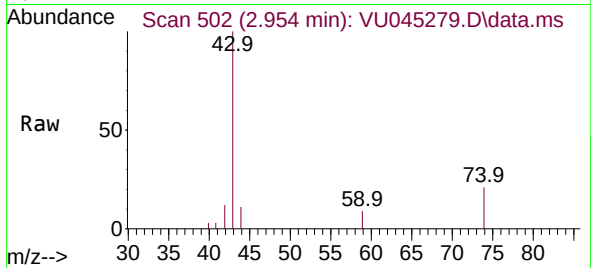




#15
Methyl Acetate
Concen: 2.584 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

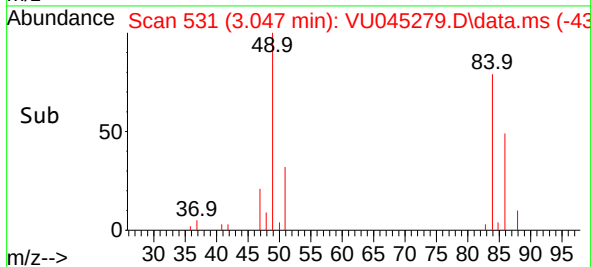
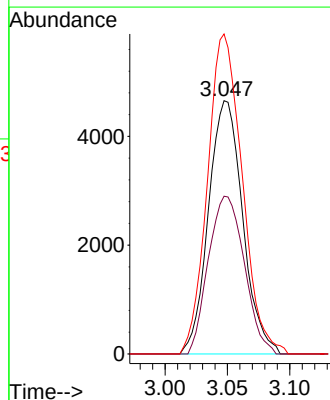
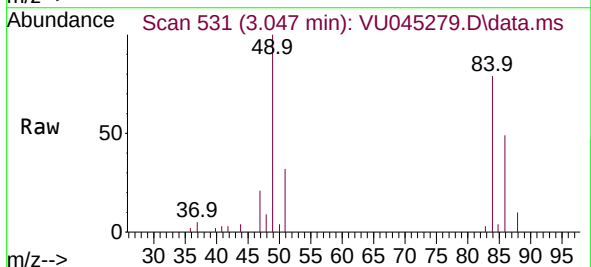
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

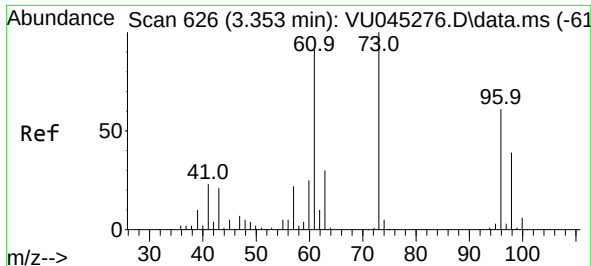
Tgt Ion: 43 Resp: 8857
Ion Ratio Lower Upper
43 100
74 21.2 18.4 27.6



#16
Methylene chloride
Concen: 3.270 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 84 Resp: 8913
Ion Ratio Lower Upper
84 100
86 62.3 44.7 83.1
49 126.3 92.9 172.5



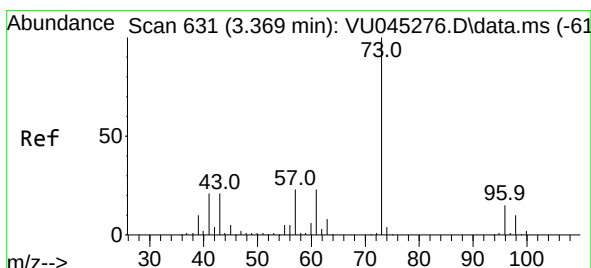
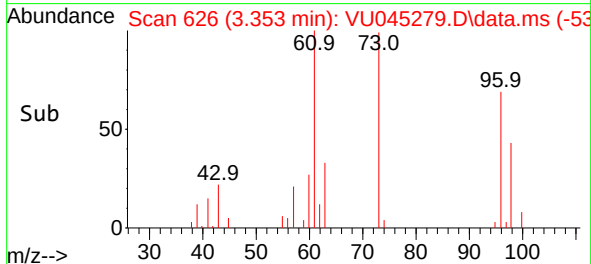
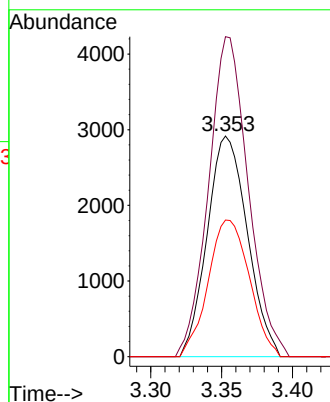
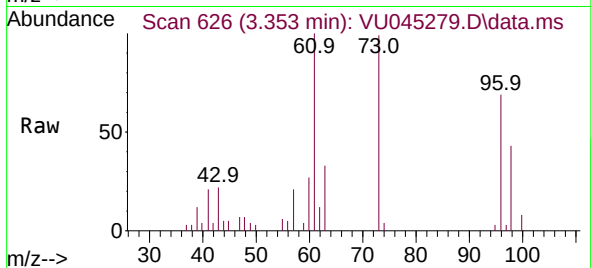


#17

trans-1,2-Dichloroethene
Concen: 2.537 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

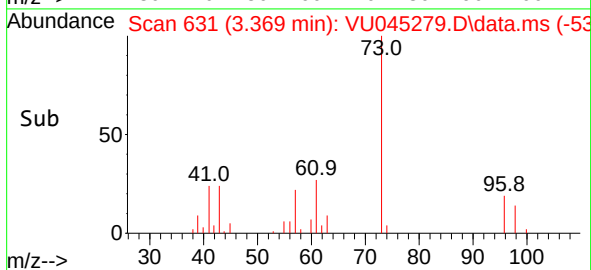
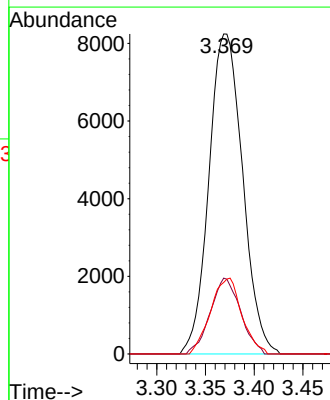
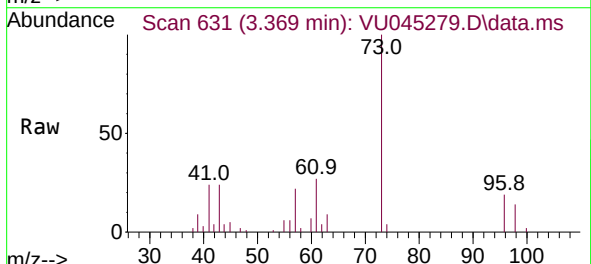
Tgt Ion:	96	Resp:	5751
Ion	Ratio	Lower	Upper
96	100		
61	145.0	105.1	195.3
98	61.9	43.0	79.8

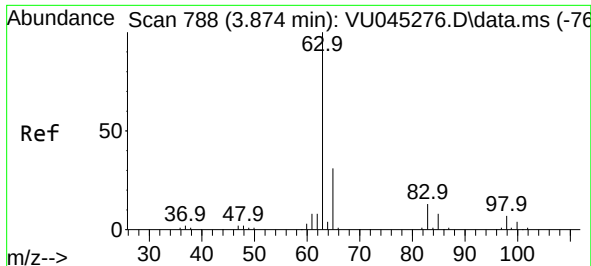


#18

Methyl tert-butyl Ether
Concen: 2.651 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:	73	Resp:	19810
Ion	Ratio	Lower	Upper
73	100		
43	21.3	17.3	25.9
57	21.9	18.7	28.1





#19

1,1-Dichloroethane

Concen: 2.501 ug/L

RT: 3.874 min Scan# 788

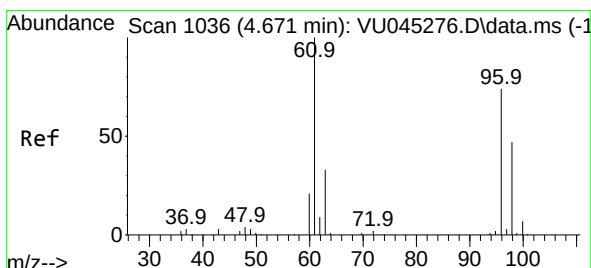
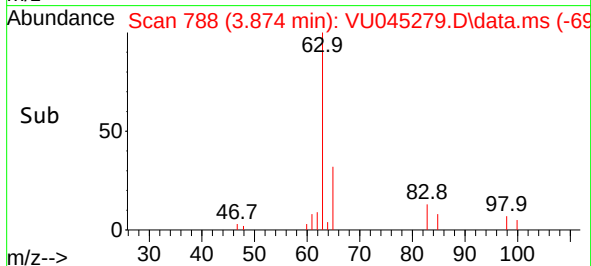
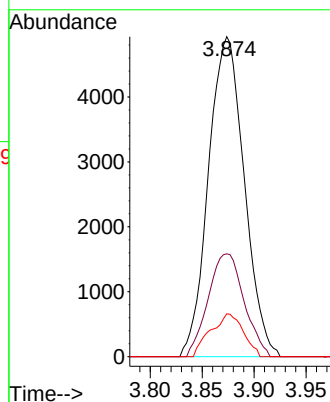
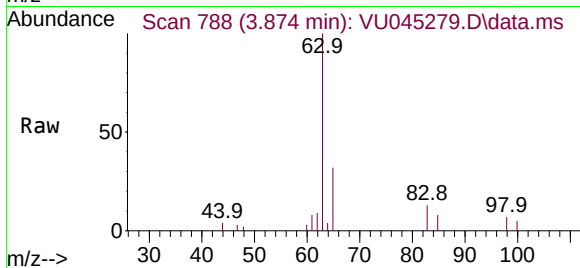
Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion:	63	Resp:	11793
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.0	40.8
83	13.4	9.0	16.6

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07



#20

cis-1,2-Dichloroethene

Concen: 2.617 ug/L

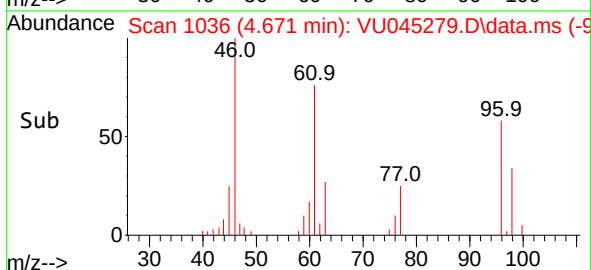
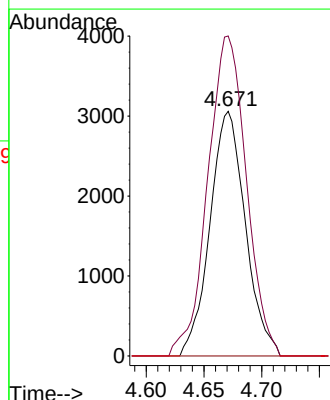
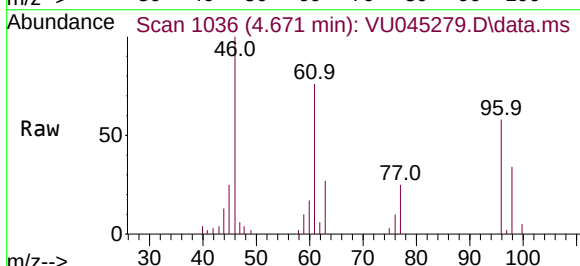
RT: 4.671 min Scan# 1036

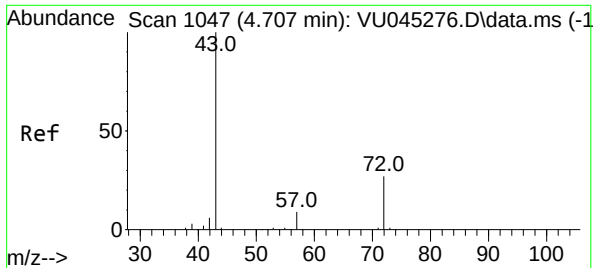
Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion:	96	Resp:	6536
Ion	Ratio	Lower	Upper
96	100		
61	130.8	100.2	186.0
68	0.0	0.0	0.0

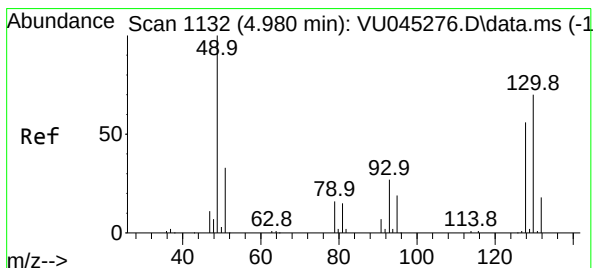
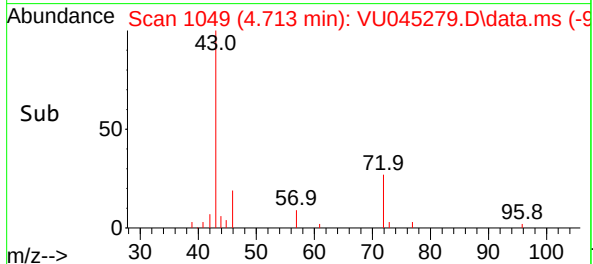
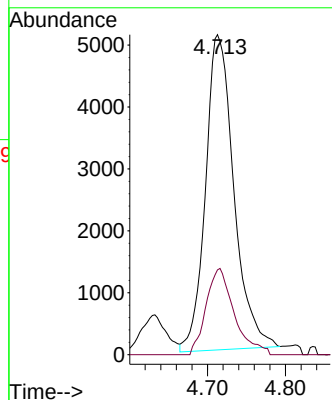
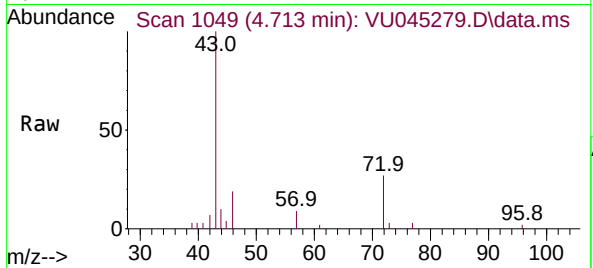




#22
2-Butanone
Concen: 4.147 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

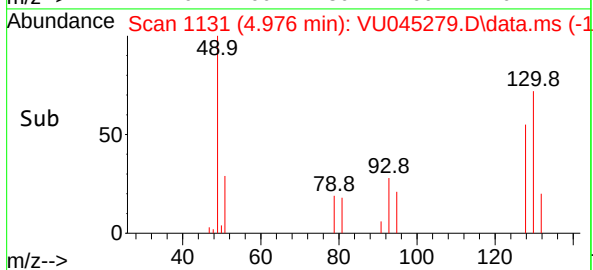
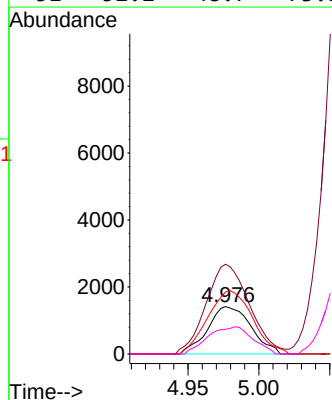
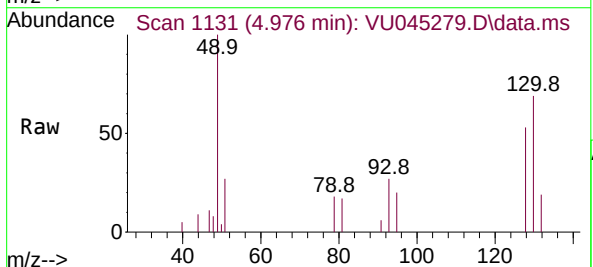
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

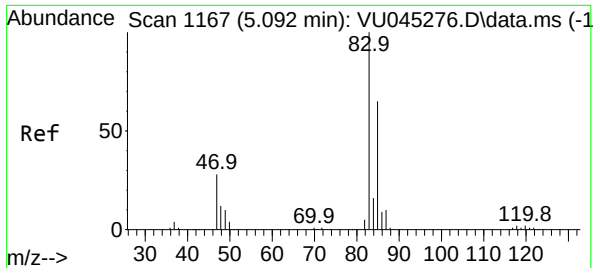
Tgt Ion: 43 Resp: 12901
Ion Ratio Lower Upper
43 100
72 26.9 13.3 39.9



#23
Bromochloromethane
Concen: 2.376 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 128 Resp: 3008
Ion Ratio Lower Upper
128 100
49 189.7 132.9 246.7
130 130.9 88.2 163.8
51 52.2 48.7 73.1





#25

Chloroform

Concen: 3.273 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion: 83 Resp: 15341

Ion Ratio Lower Upper

83 100

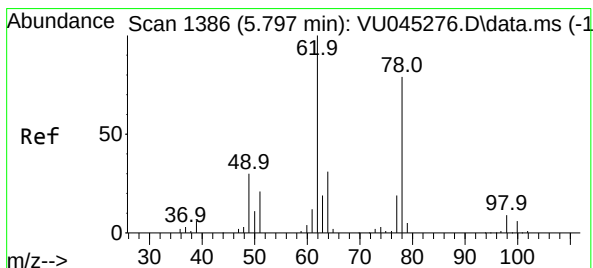
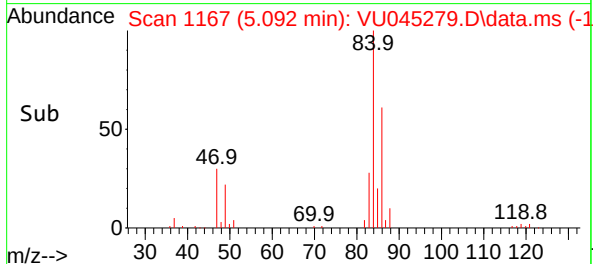
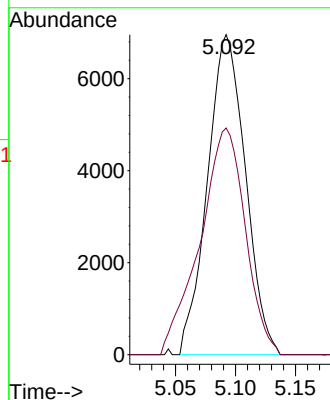
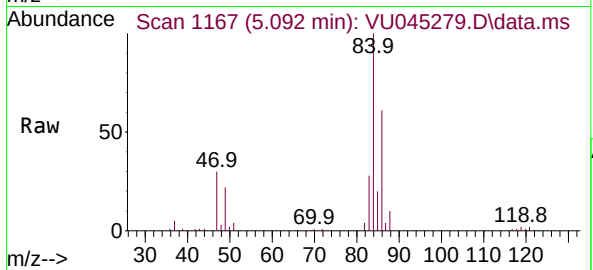
85 70.9 45.6 84.6

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2021-07



#27

1,2-Dichloroethane

Concen: 2.624 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU045279.D

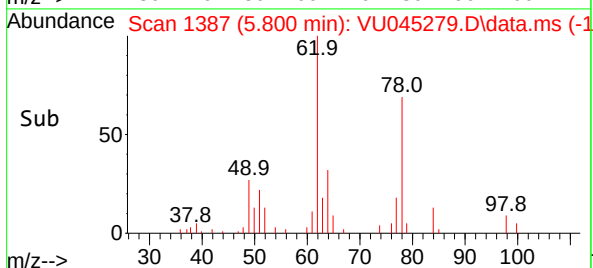
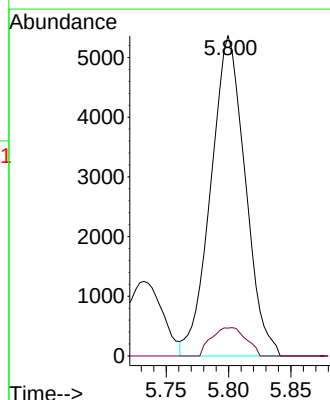
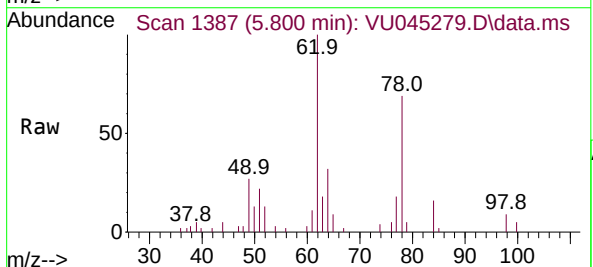
Acq: 11 Oct 2021 13:42

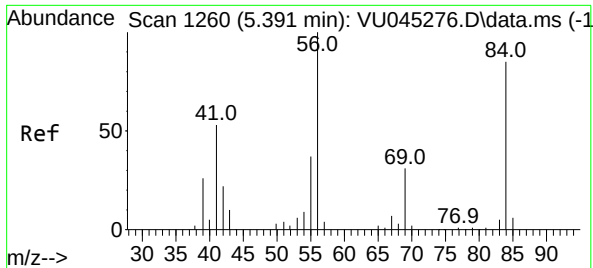
Tgt Ion: 62 Resp: 10287

Ion Ratio Lower Upper

62 100

98 8.7 7.1 10.7

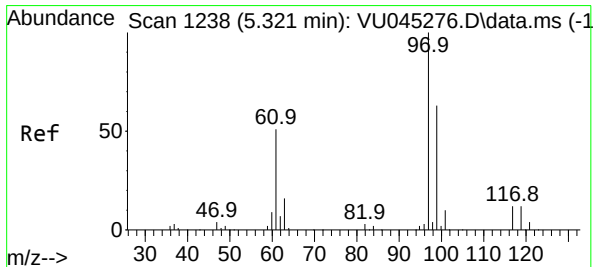
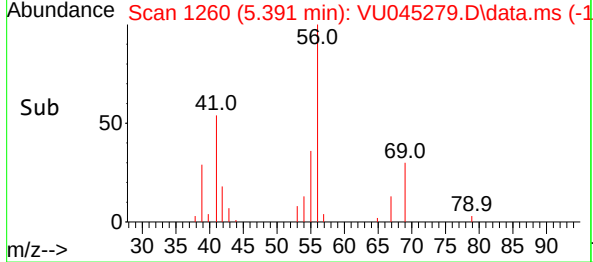
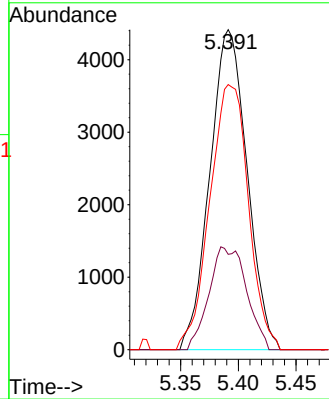
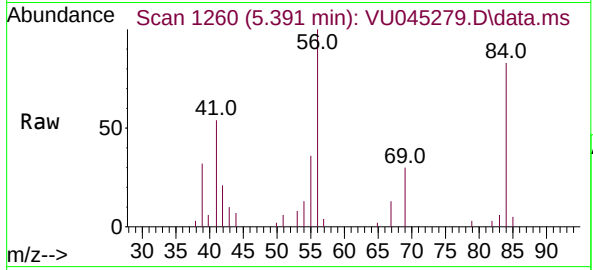




#29
Cyclohexane
Concen: 2.482 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

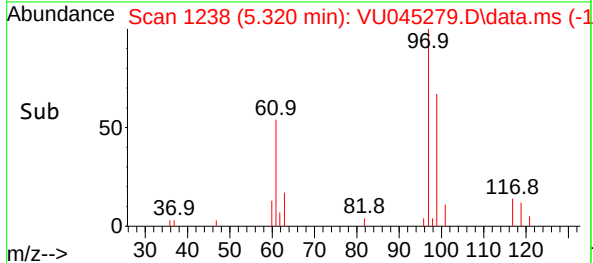
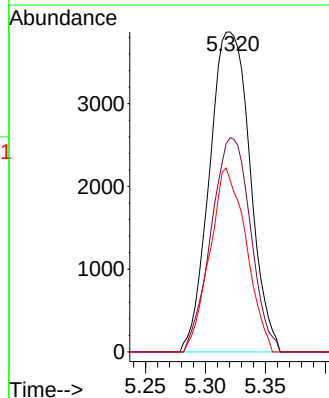
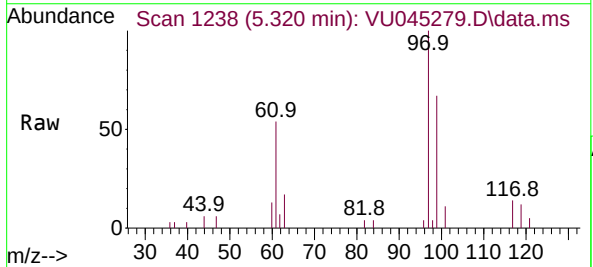
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

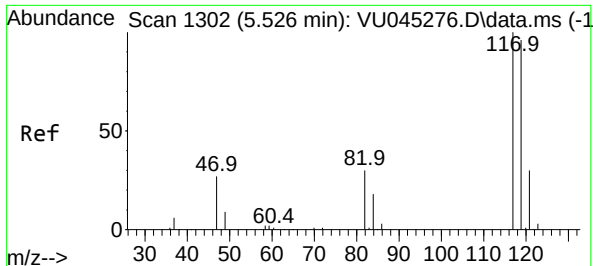
Tgt Ion:	56	Resp:	9913
Ion Ratio	Lower	Upper	
56	100		
69	17.4	23.8	35.8#
84	85.9	66.8	100.2



#30
1,1,1-Trichloroethane
Concen: 2.470 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:	97	Resp:	9086
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.6	75.8
61	51.6	41.3	61.9

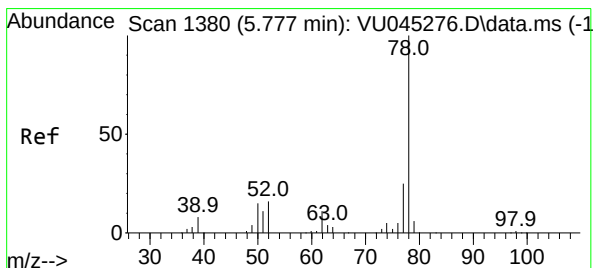
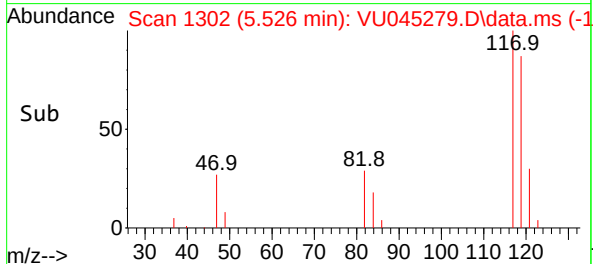
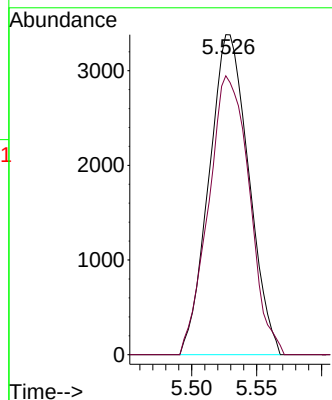
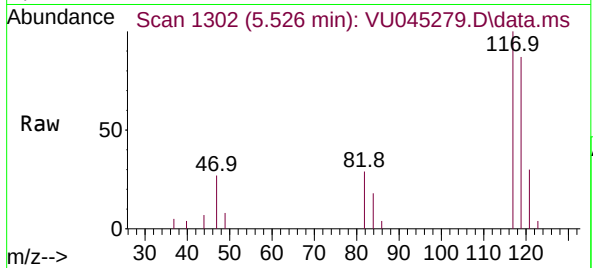




#31
Carbon tetrachloride
Concen: 2.476 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

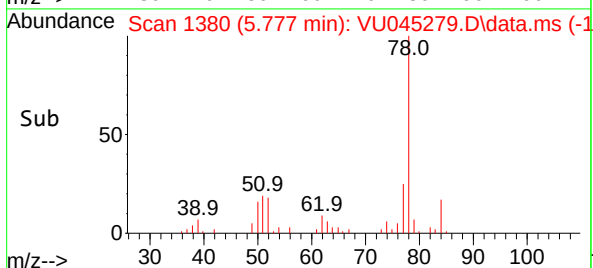
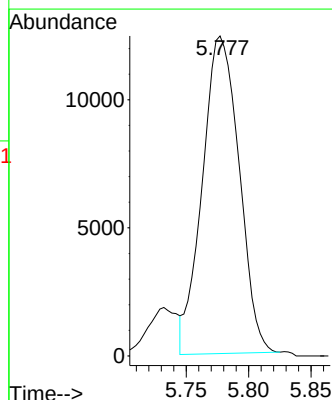
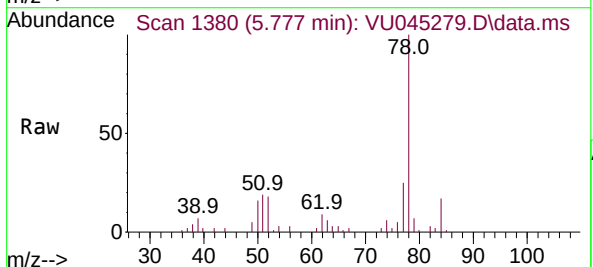
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

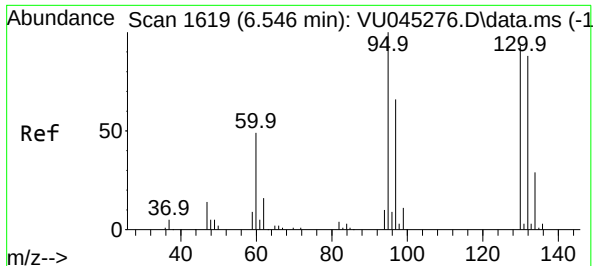
Tgt Ion:117 Resp: 7192
Ion Ratio Lower Upper
117 100
119 89.4 77.7 116.5



#33
Benzene
Concen: 2.584 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 78 Resp: 25460





#34

Trichloroethene

Concen: 2.550 ug/L

RT: 6.545 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion: 95 Resp: 6035

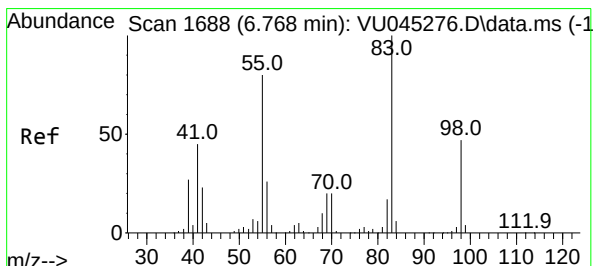
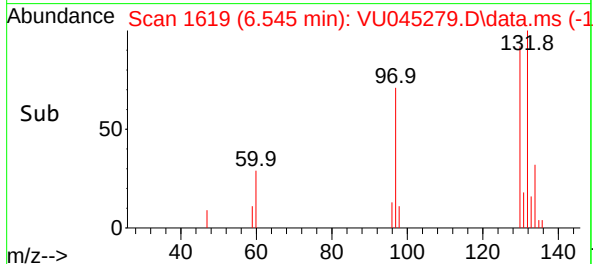
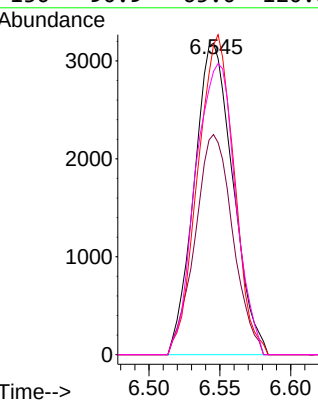
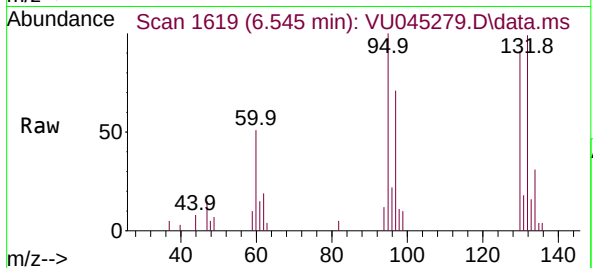
Ion Ratio Lower Upper

95 100

97 70.6 44.4 82.4

132 99.3 62.9 116.9

130 90.9 65.0 120.8



#35

Methylcyclohexane

Concen: 2.531 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

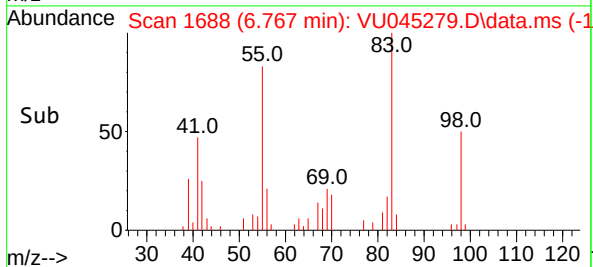
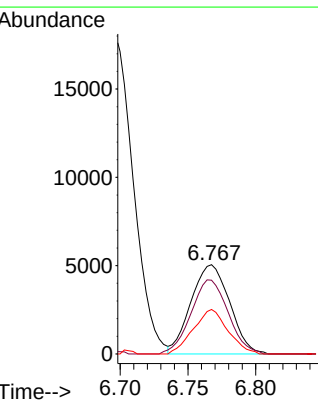
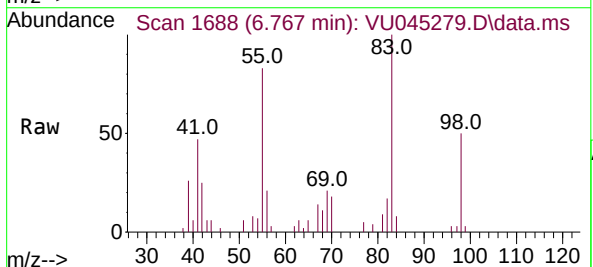
Tgt Ion: 83 Resp: 10032

Ion Ratio Lower Upper

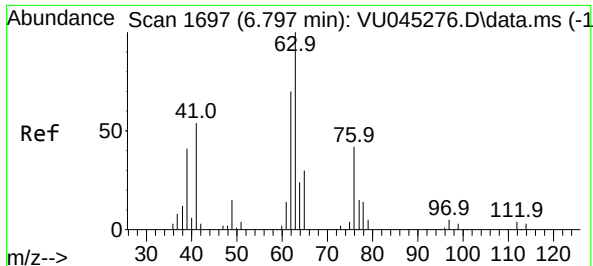
83 100

55 79.6 65.8 98.6

98 44.5 37.1 55.7



Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

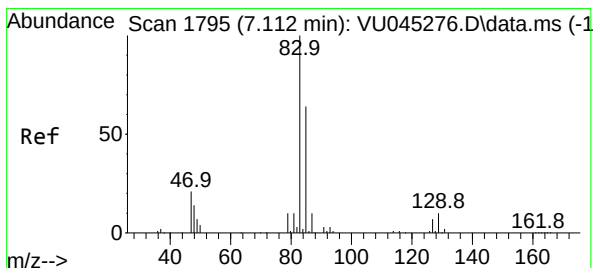
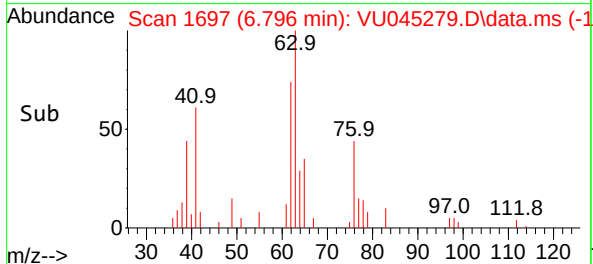
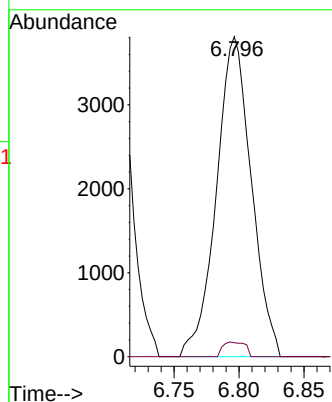
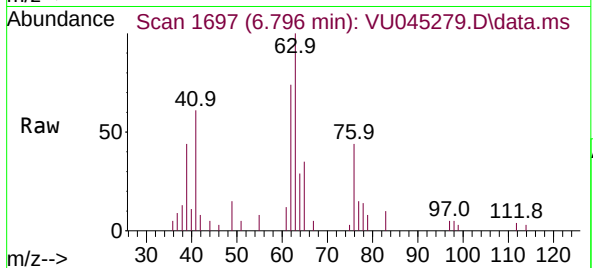


#37

1,2-Dichloropropane
Concen: 2.654 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

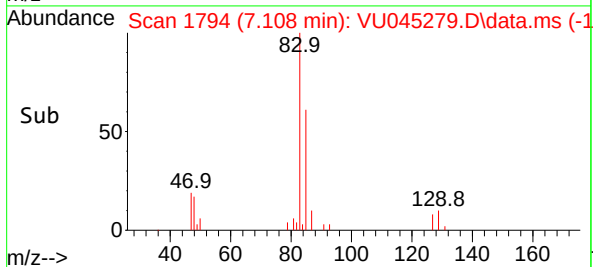
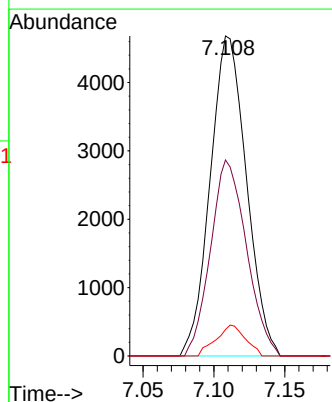
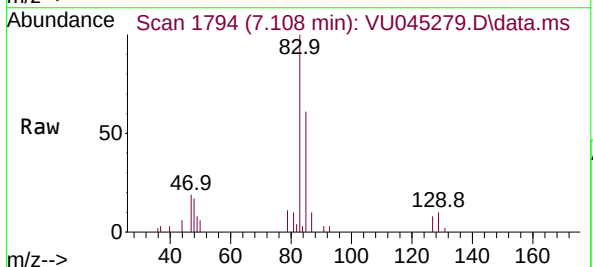
Tgt Ion: 63 Resp: 7120
Ion Ratio Lower Upper
63 100
112 2.5 3.2 4.8#

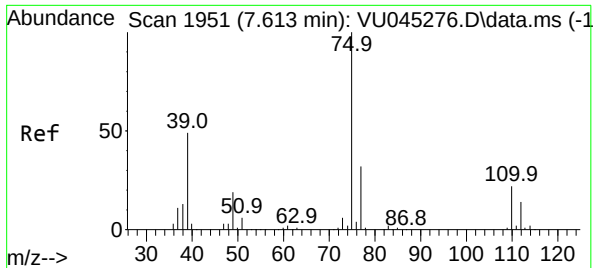


#38

Bromodichloromethane
Concen: 2.534 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 83 Resp: 8334
Ion Ratio Lower Upper
83 100
85 61.3 44.6 82.8
127 8.2 6.2 9.2

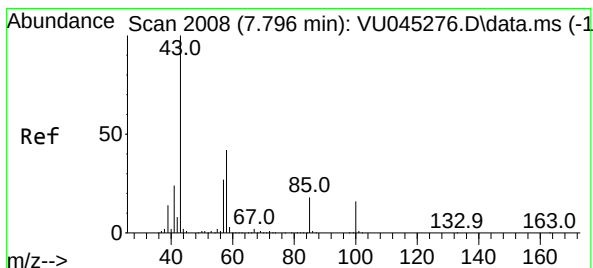
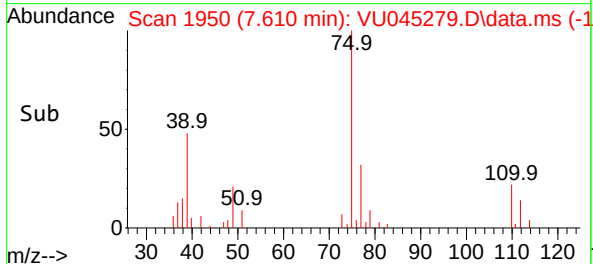
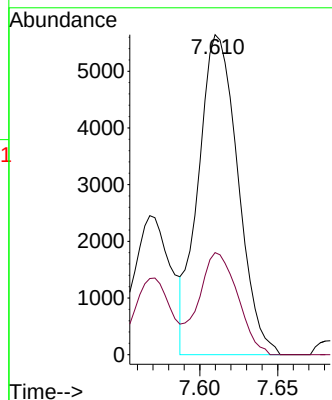
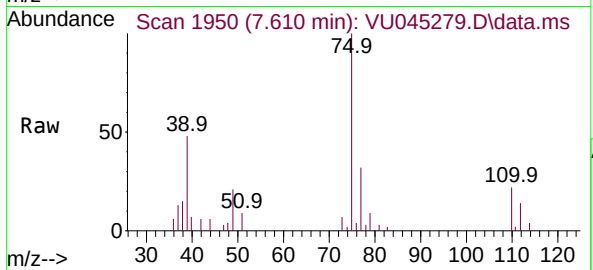




#39
 cis-1,3-Dichloropropene
 Concen: 2.591 ug/L
 RT: 7.610 min Scan# 1950
 Delta R.T. -0.003 min
 Lab File: VU045279.D
 Acq: 11 Oct 2021 13:42

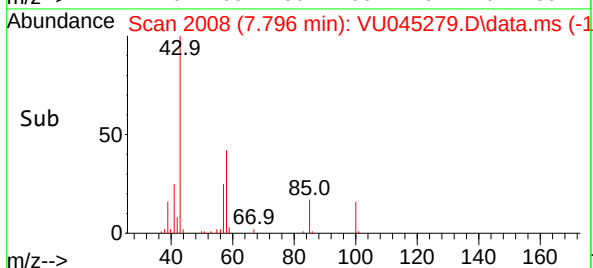
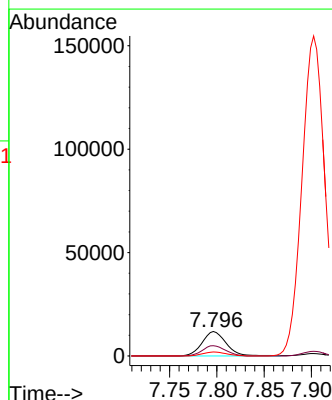
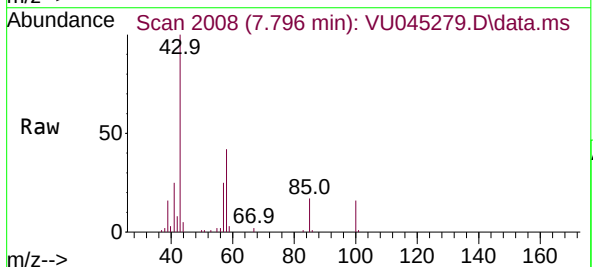
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2021-07

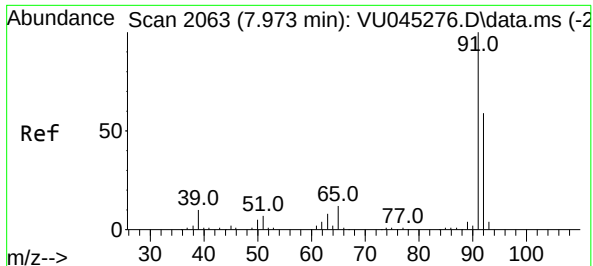
Tgt Ion: 75 Resp: 9949
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 4.689 ug/L
 RT: 7.796 min Scan# 2008
 Delta R.T. -0.000 min
 Lab File: VU045279.D
 Acq: 11 Oct 2021 13:42

Tgt Ion: 43 Resp: 21018
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.8 47.8
 100 15.7 11.8 17.6

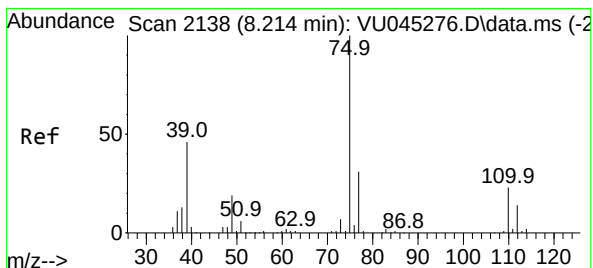
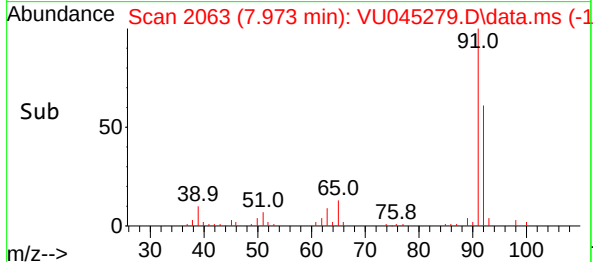
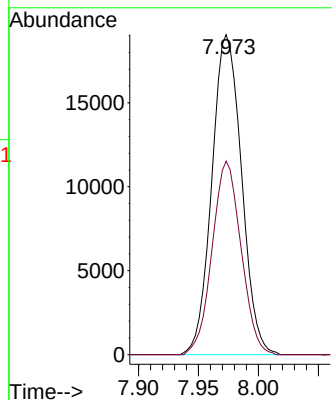
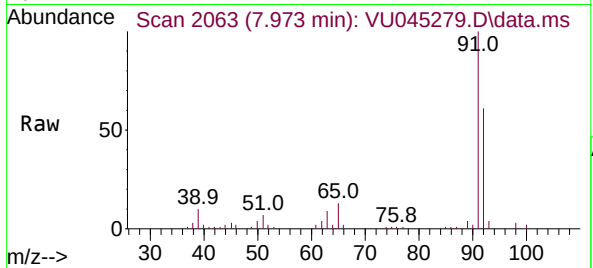




#42
Toluene
Concen: 3.275 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

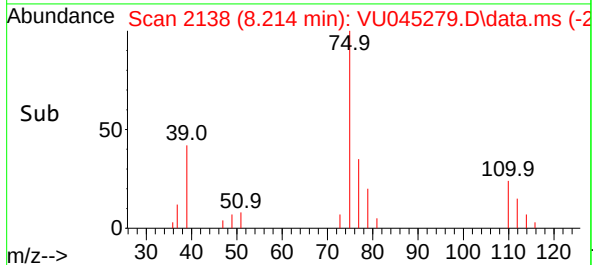
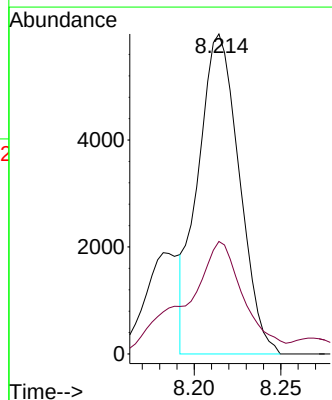
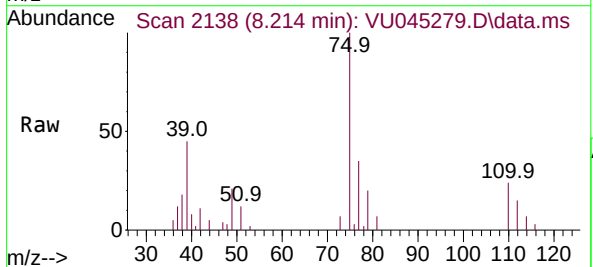
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

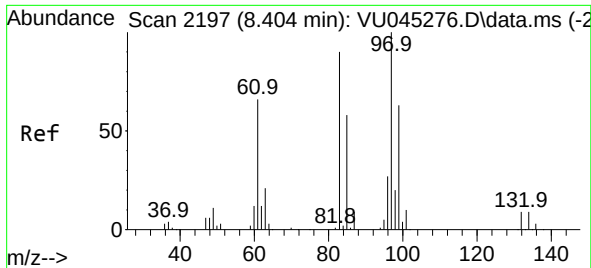
Tgt Ion: 91 Resp: 32797
Ion Ratio Lower Upper
91 100
92 60.5 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 2.711 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

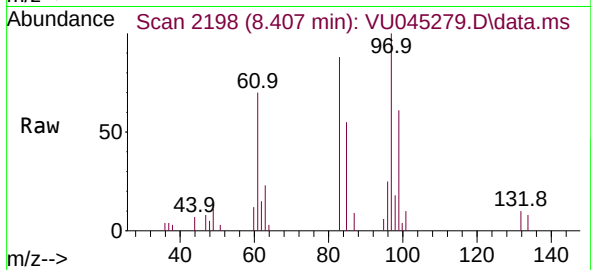
Tgt Ion: 75 Resp: 9897
Ion Ratio Lower Upper
75 100
77 35.1 21.7 40.3



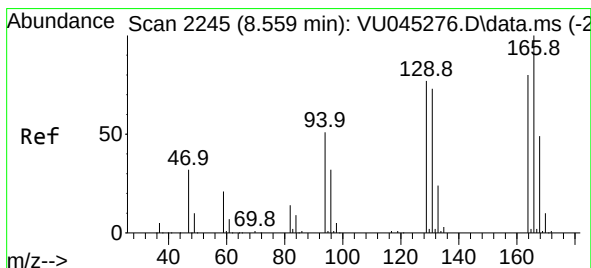
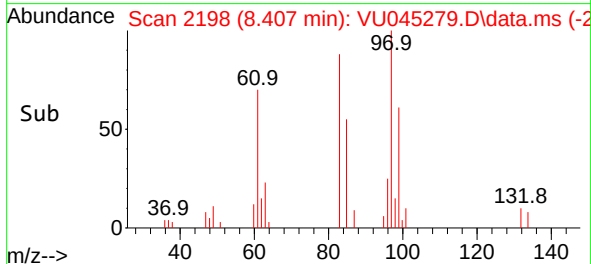
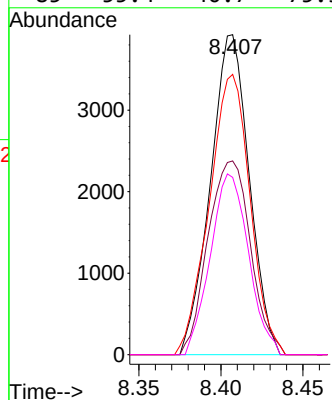


#45
1,1,2-Trichloroethane
Concen: 2.655 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

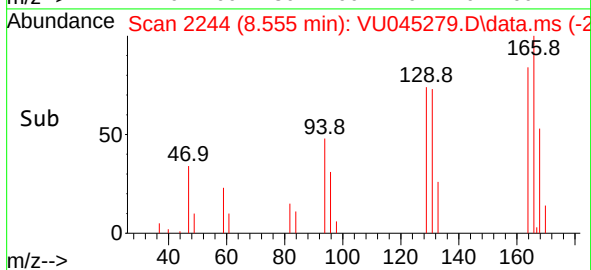
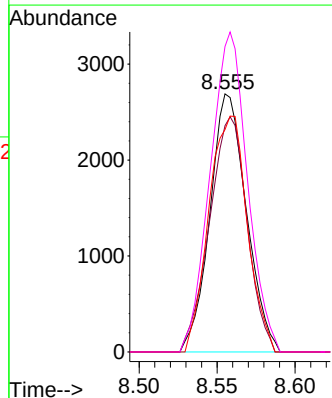
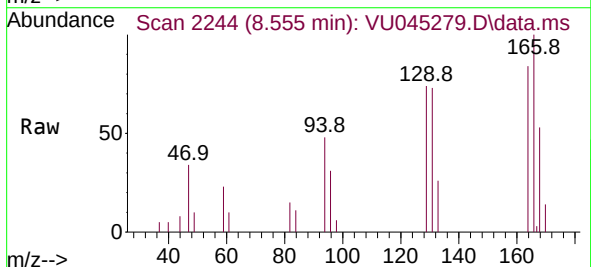


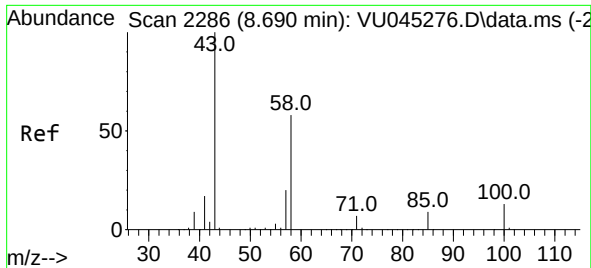
Tgt Ion:	97	Resp:	6455
Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.7	81.1
83	87.6	61.9	115.1
85	55.4	40.7	75.5



#46
Tetrachloroethene
Concen: 2.589 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:	164	Resp:	4380
Ion	Ratio	Lower	Upper
164	100		
129	87.7	69.8	129.6
131	86.2	66.4	123.2
166	118.4	91.1	169.3

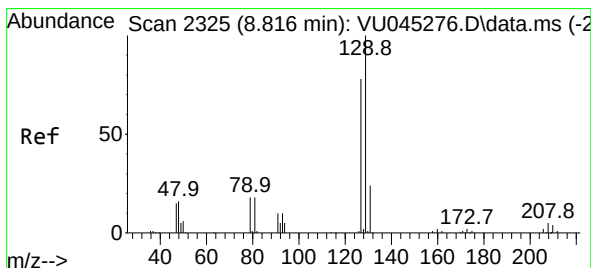
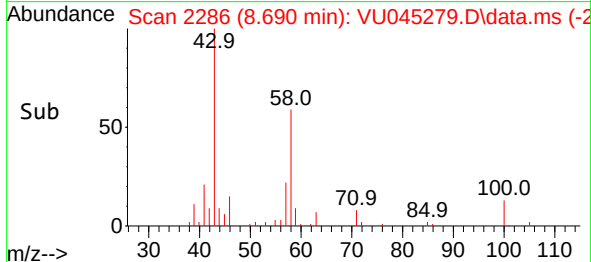
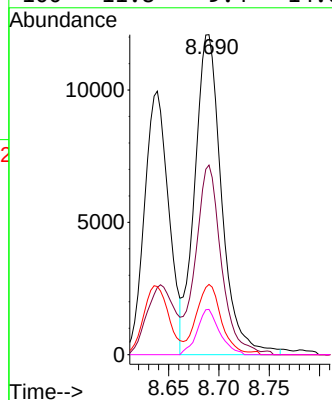
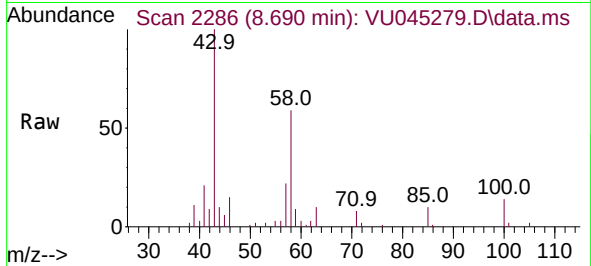




#48
2-Hexanone
Concen: 5.671 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

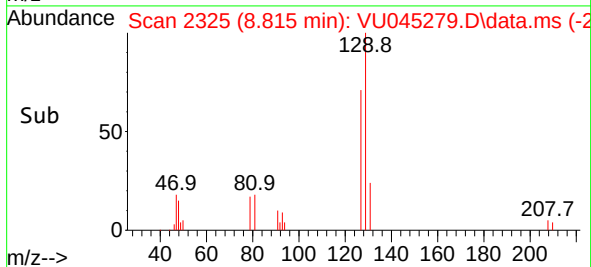
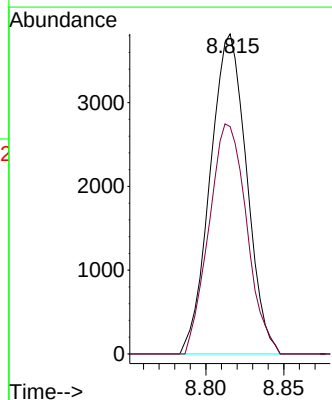
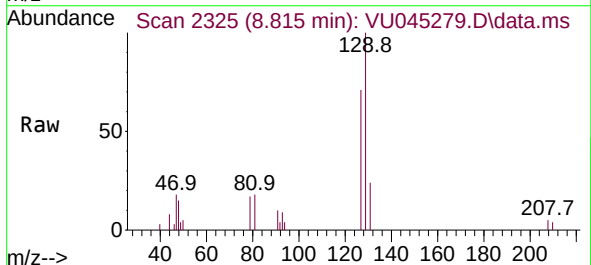
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

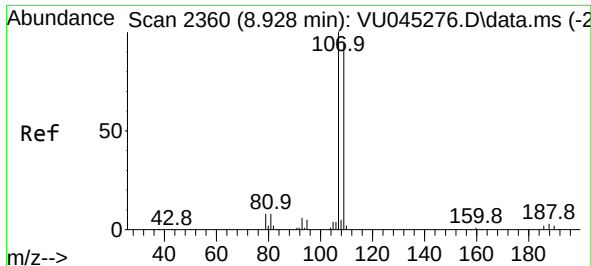
Tgt Ion: 43	Resp: 22539
Ion Ratio	Lower Upper
43 100	
58 55.5	44.9 67.3
57 20.3	15.5 23.3
100 11.8	9.4 14.0



#49
Dibromochloromethane
Concen: 2.578 ug/L
RT: 8.815 min Scan# 2325
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:129	Resp: 6200		
Ion Ratio	Lower	Upper	
129 100			
127 71.1	54.3	100.8	





#50

1,2-Dibromoethane

Concen: 2.668 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

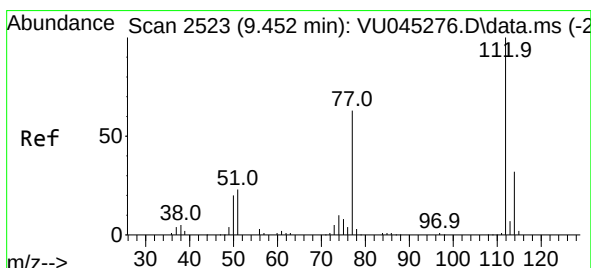
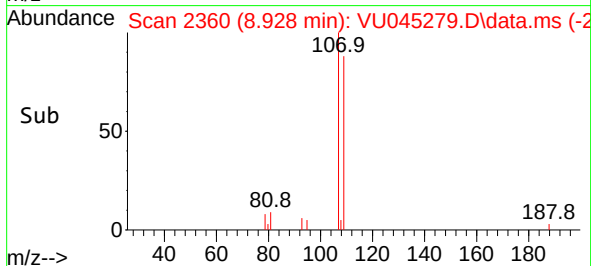
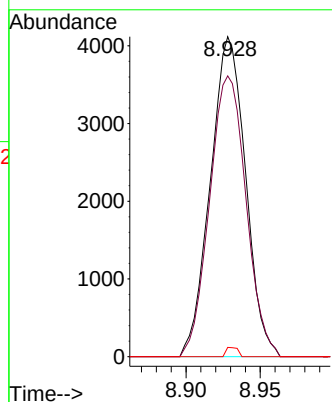
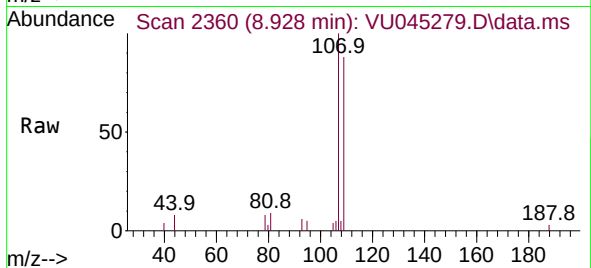
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2021-07

Tgt Ion:	107	Resp:	6793
Ion	Ratio	Lower	Upper
107	100		
109	87.8	65.5	121.6
188	2.9	2.6	3.8



#51

Chlorobenzene

Concen: 2.701 ug/L

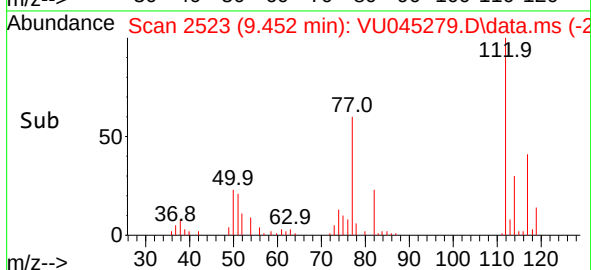
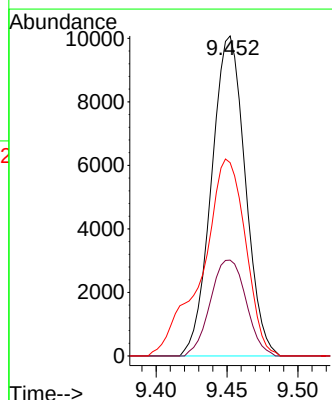
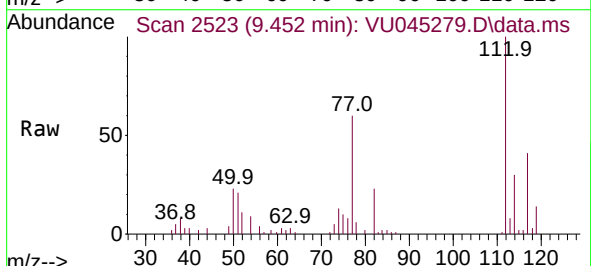
RT: 9.452 min Scan# 2523

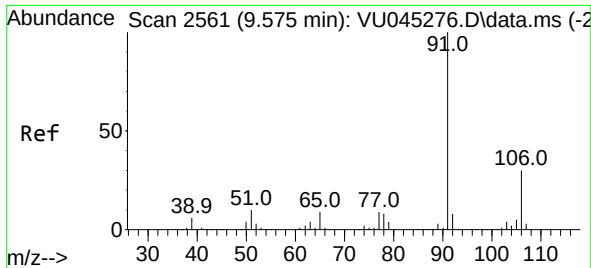
Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion:	112	Resp:	16696
Ion	Ratio	Lower	Upper
112	100		
114	30.0	22.5	41.9
77	60.4	50.6	75.8

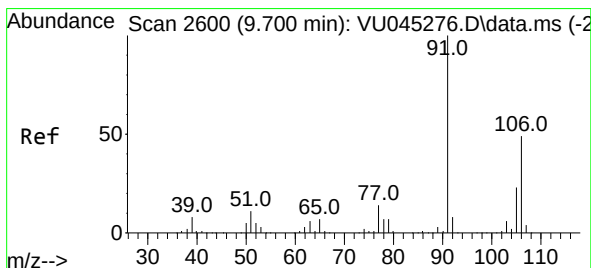
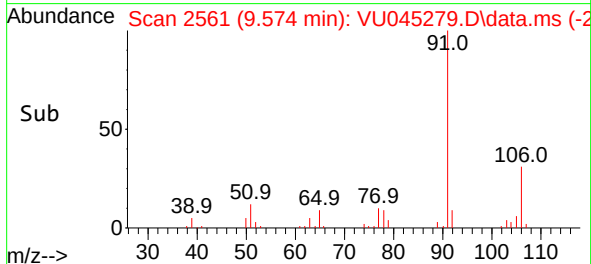
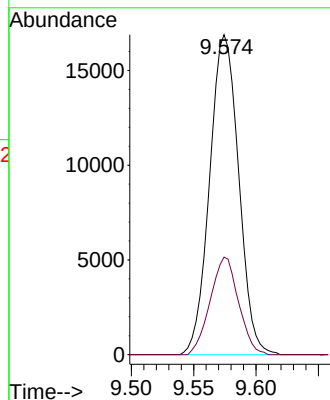
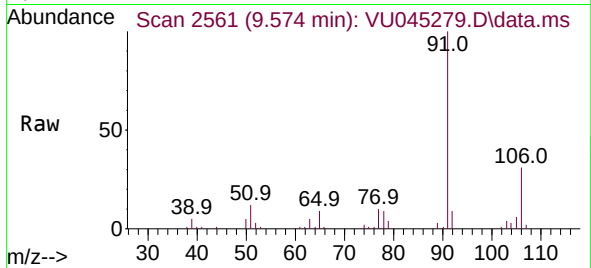




#52
Ethylbenzene
Concen: 2.593 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

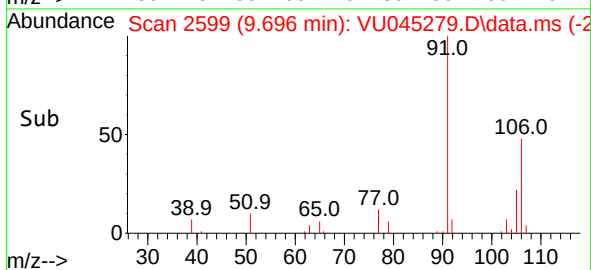
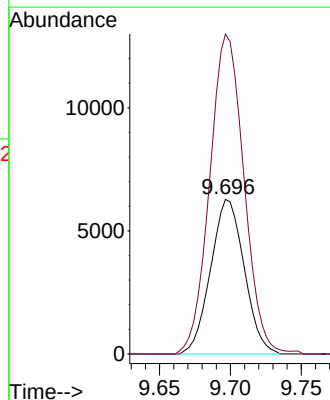
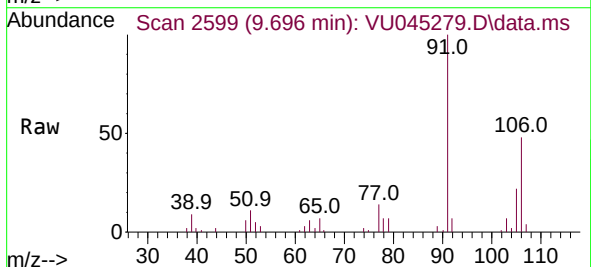
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

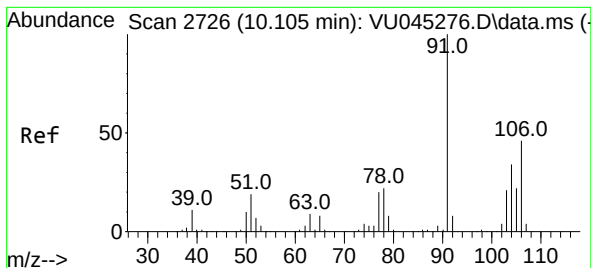
Tgt Ion: 91 Resp: 27429
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 2.585 ug/L
RT: 9.696 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion: 106 Resp: 10358
Ion Ratio Lower Upper
106 100
91 207.0 146.7 272.4





#54

o-xylene

Concen: 2.558 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. -0.000 min

Lab File: VU045279.D

Acq: 11 Oct 2021 13:42

Tgt Ion:106 Resp: 10074

Ion Ratio Lower Upper

106 100

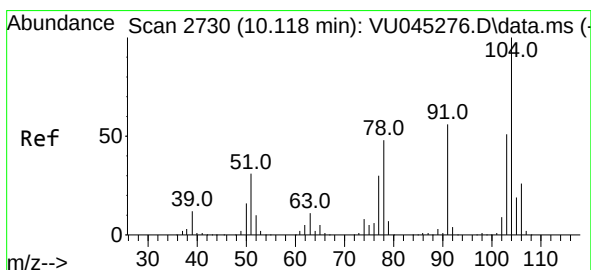
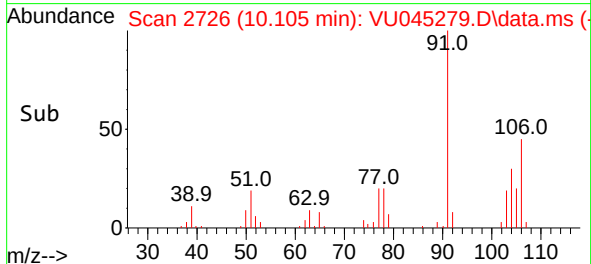
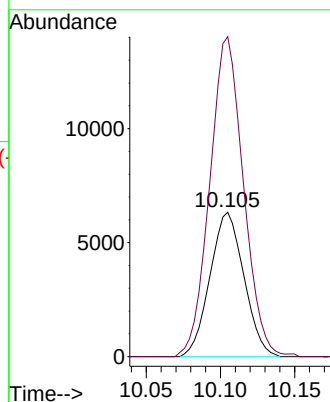
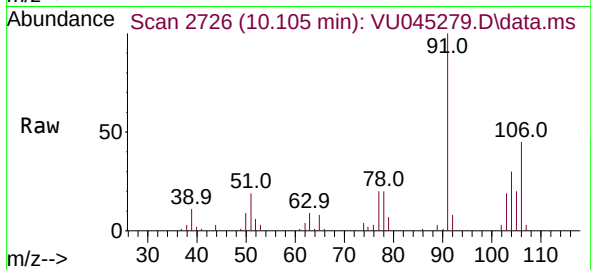
91 221.6 152.9 283.9

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2021-07



#55

Styrene

Concen: 2.315 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU045279.D

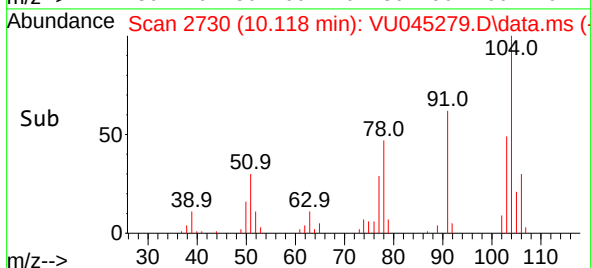
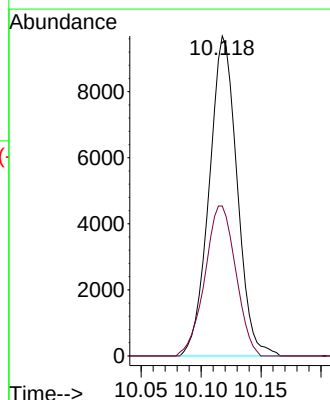
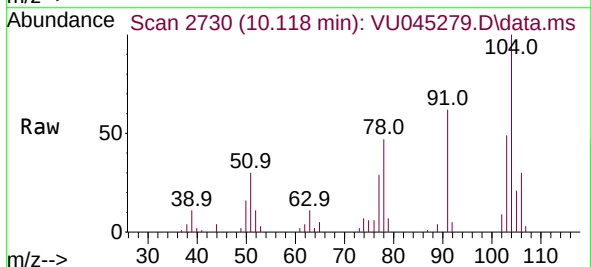
Acq: 11 Oct 2021 13:42

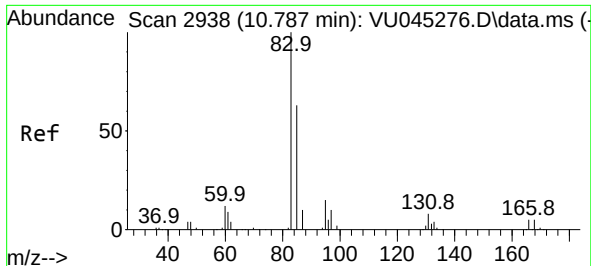
Tgt Ion:104 Resp: 15677

Ion Ratio Lower Upper

104 100

78 46.9 33.3 61.9

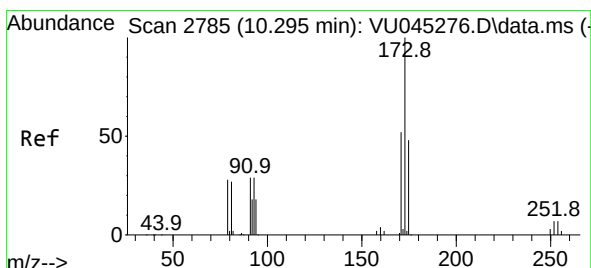
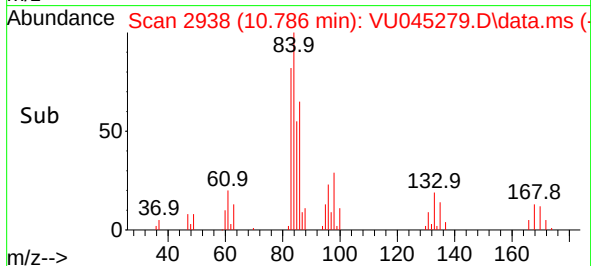
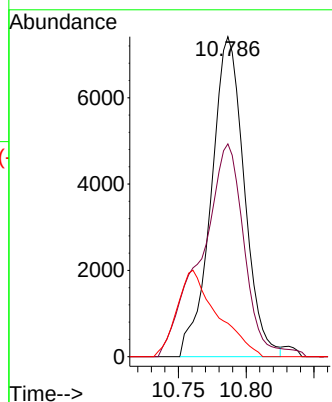
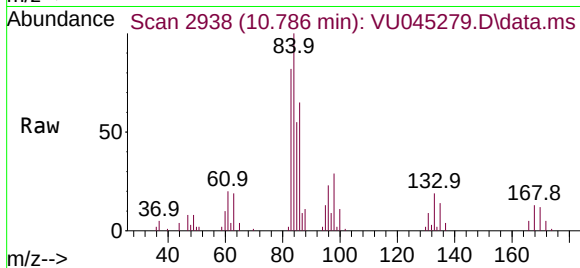




#57
1,1,2,2-Tetrachloroethane
Concen: 2.695 ug/L
RT: 10.786 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

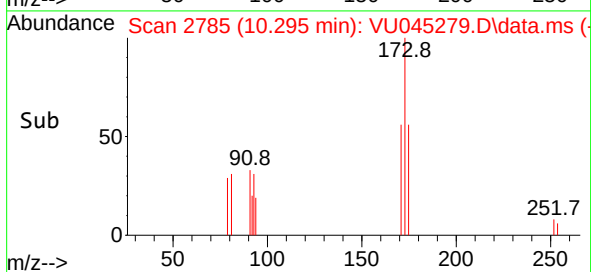
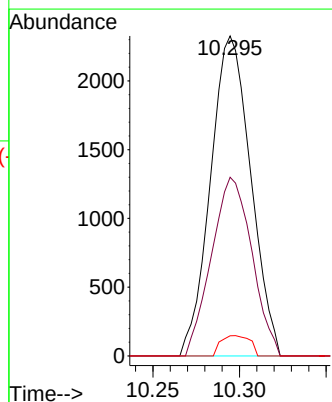
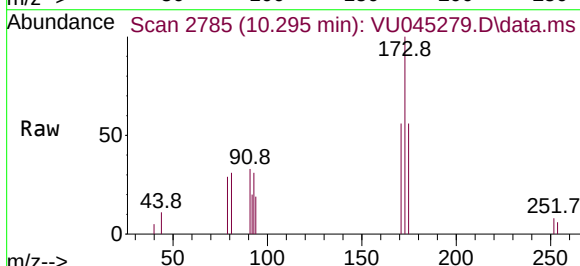
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07

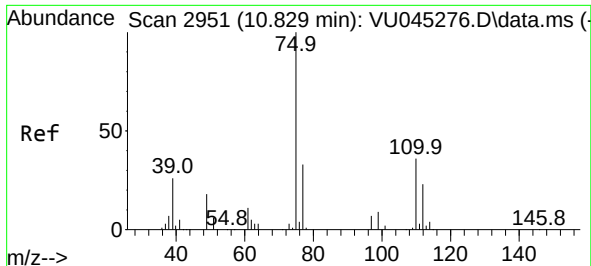
Tgt Ion:	83	Resp:	12546
Ion	Ratio	Lower	Upper
83	100		
85	66.5	45.1	83.7
131	10.5	6.9	10.3#



#59
Bromoform
Concen: 2.468 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:	173	Resp:	3755
Ion	Ratio	Lower	Upper
173	100		
175	56.1	38.4	57.6
254	4.6	5.3	7.9#

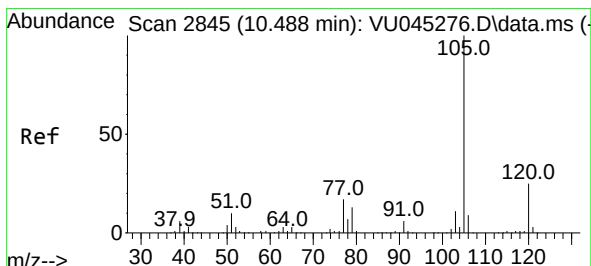
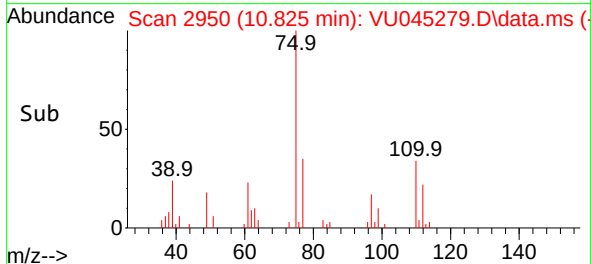
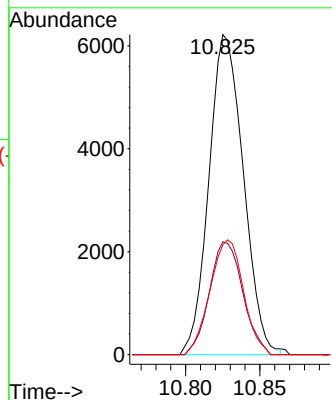
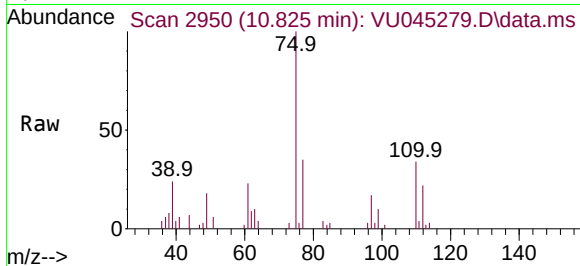




#60
1,2,3-Trichloropropane
Concen: 2.958 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

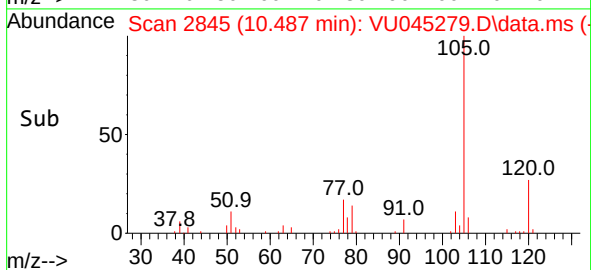
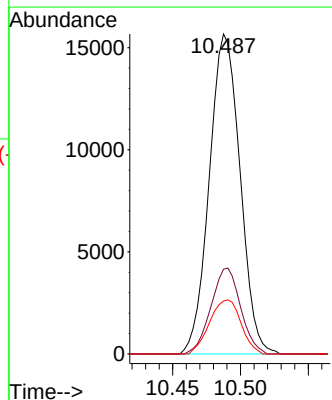
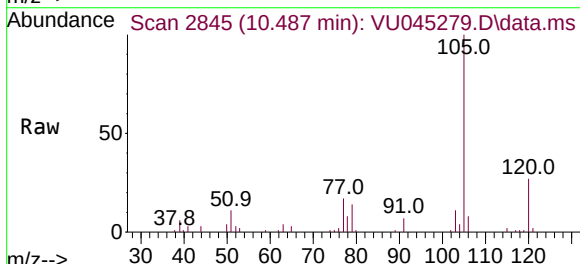
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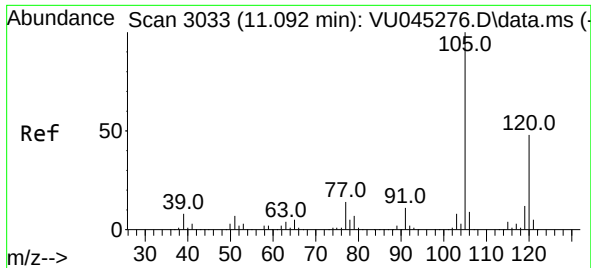
Tgt Ion:	75	Resp:	10035
Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.5	38.3
110	34.8	29.0	43.4



#61
Isopropylbenzene
Concen: 2.752 ug/L
RT: 10.487 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:	105	Resp:	24707
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.5	30.7
77	17.3	13.5	20.3

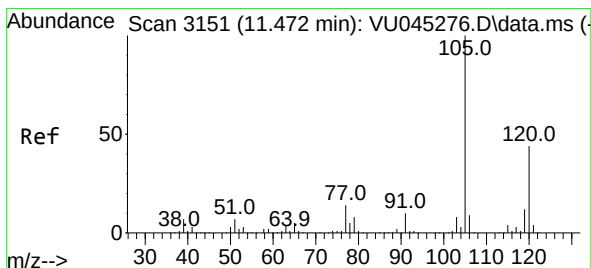
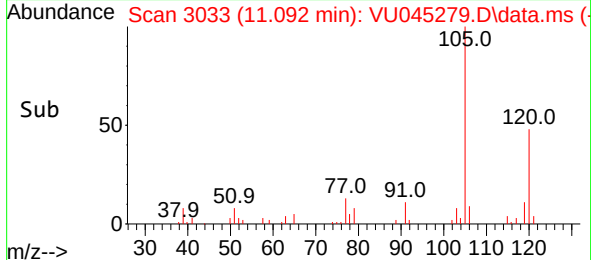
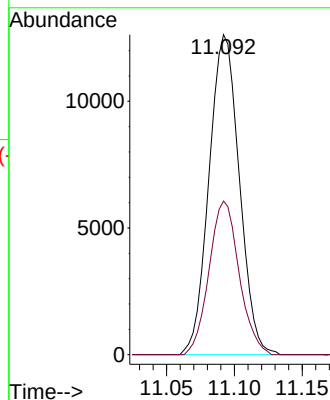
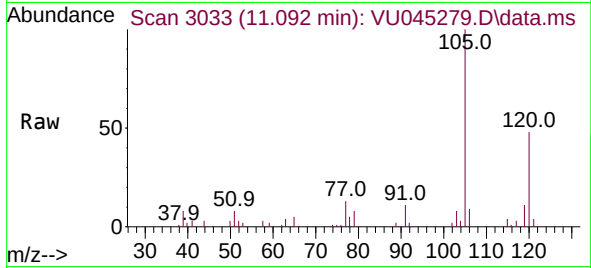




#62
1,3,5-Trimethylbenzene
Concen: 2.613 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

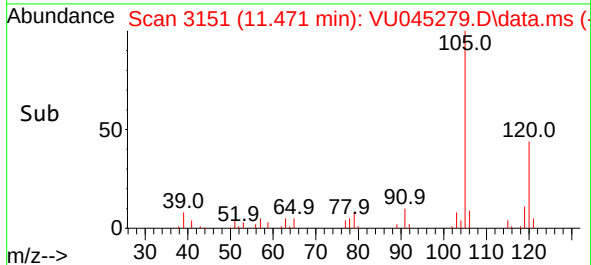
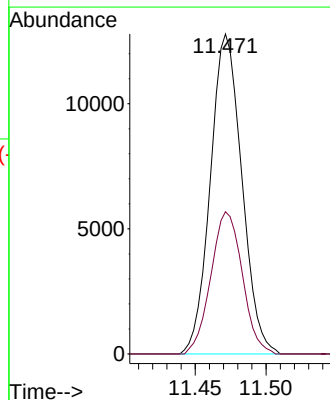
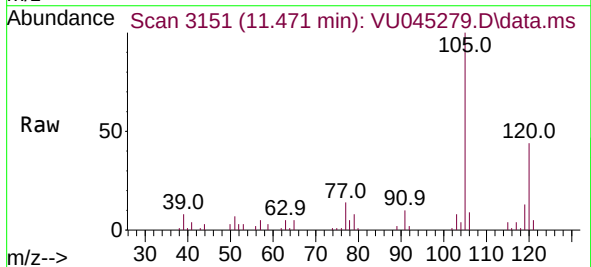
Instrument :
MSVOA_U
ClientSampleId :
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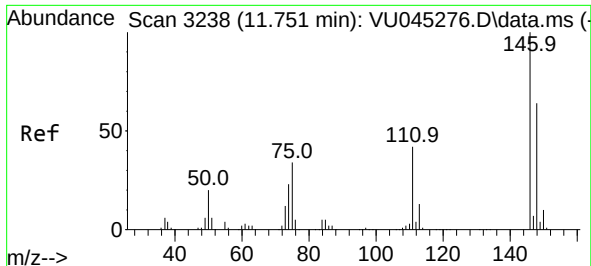
Tgt Ion:105 Resp: 19592
Ion Ratio Lower Upper
105 100
120 47.7 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 2.572 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:105 Resp: 19746
Ion Ratio Lower Upper
105 100
120 44.4 35.7 53.5

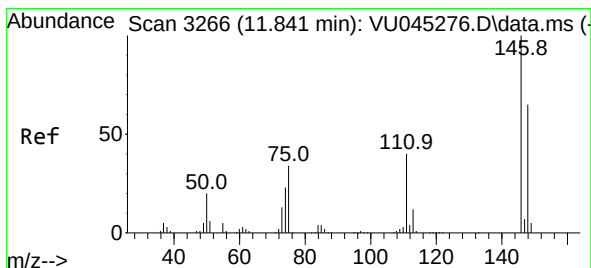
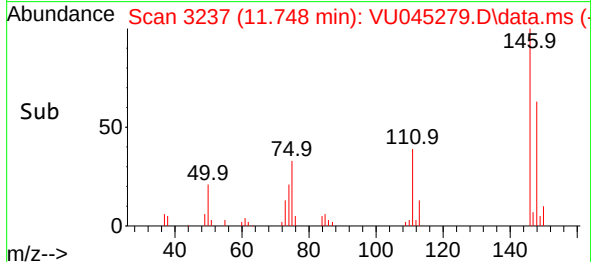
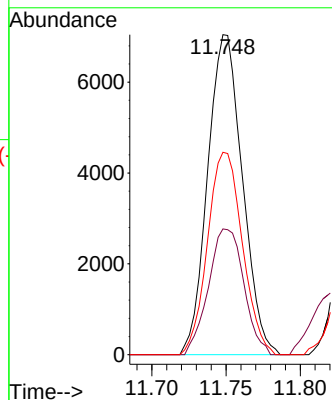
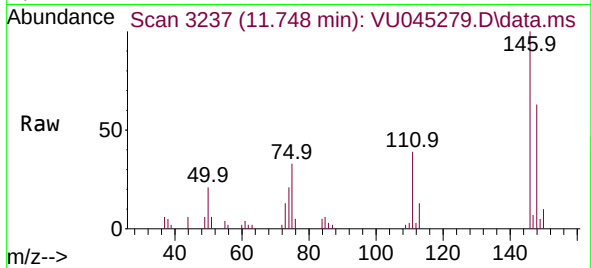




#64
1,3-Dichlorobenzene
Concen: 2.762 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. -0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

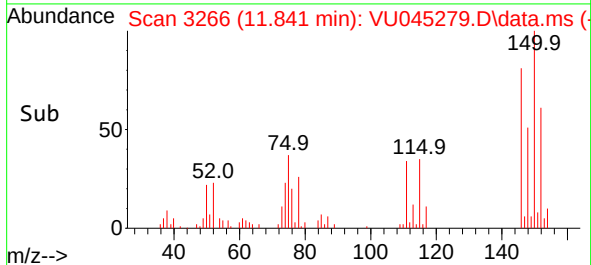
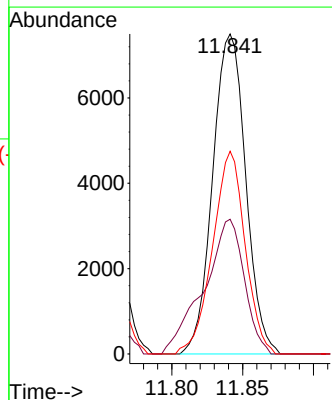
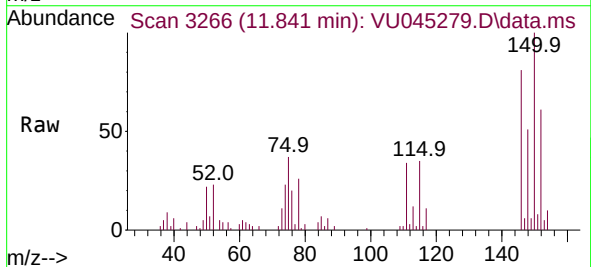
Instrument :
MSVOA_U
ClientSampleId :
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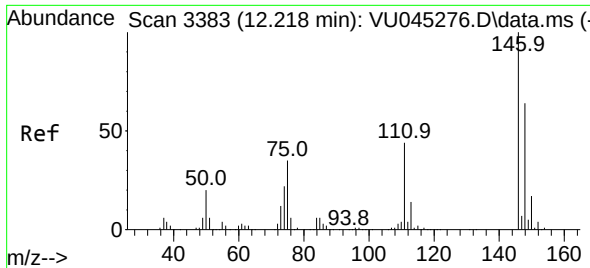
Tgt Ion:146 Resp: 11460
Ion Ratio Lower Upper
146 100
111 36.9 29.0 53.8
148 59.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 2.858 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:146 Resp: 12166
Ion Ratio Lower Upper
146 100
111 42.1 28.5 52.9
148 63.4 45.5 84.5

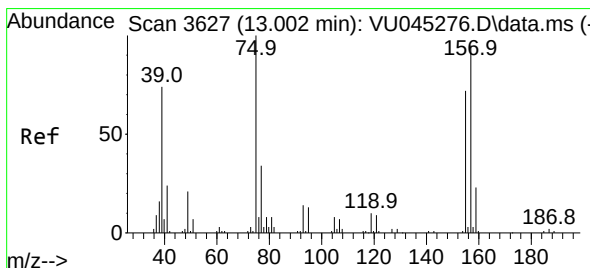
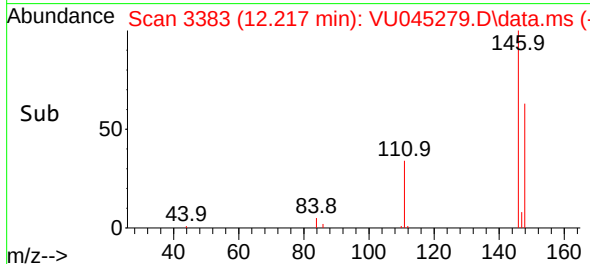
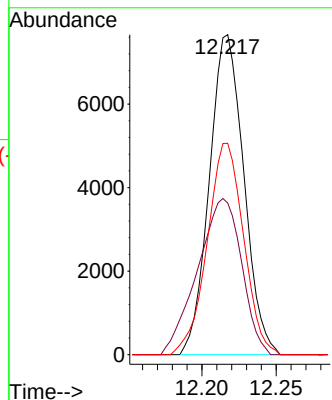
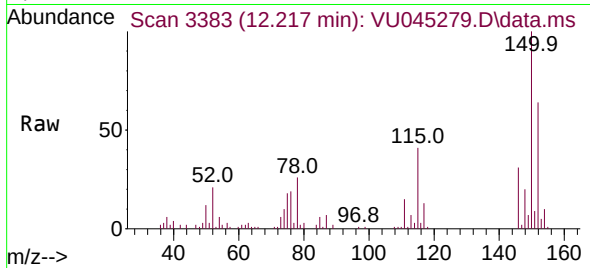




#67
1,2-Dichlorobenzene
Concen: 2.906 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

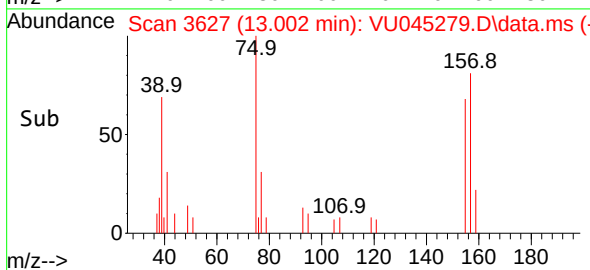
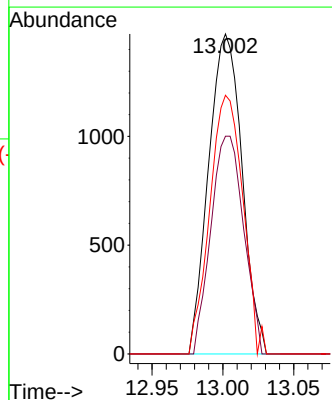
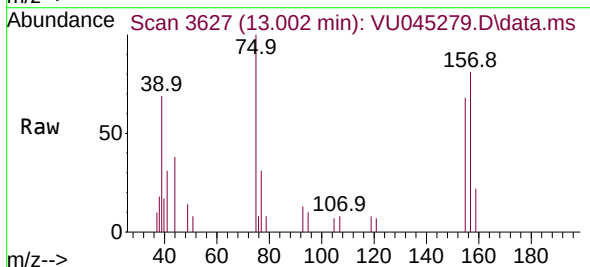
Instrument :
MSVOA_U
ClientSampleId :
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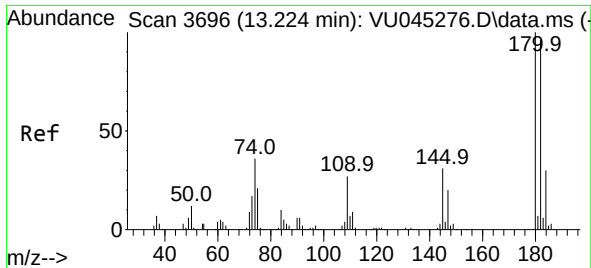
Tgt Ion:	146	Resp:	12377
Ion	Ratio	Lower	Upper
146	100		
111	47.4	34.7	52.1
148	66.0	51.0	76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 2.473 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:	75	Resp:	2411
Ion	Ratio	Lower	Upper
75	100		
155	68.0	58.5	87.7
157	80.8	77.7	116.5

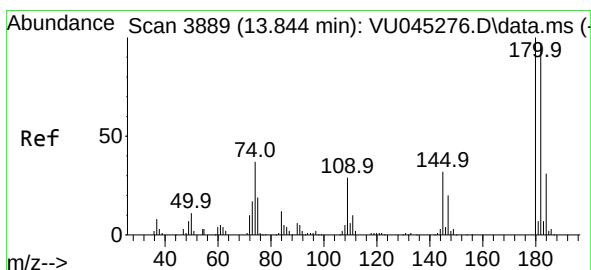
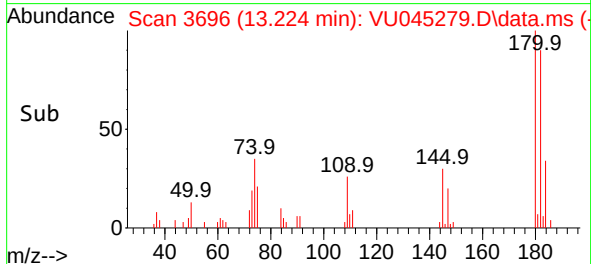
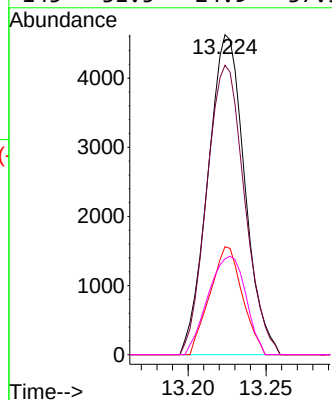
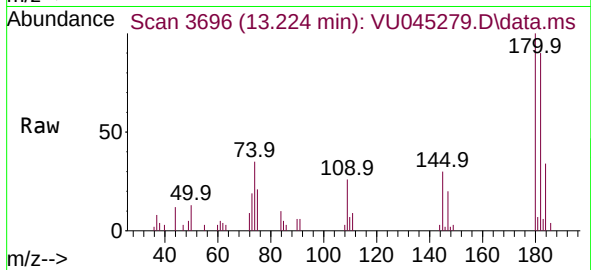




#69
1,3,5-Trichlorobenzene
Concen: 2.634 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

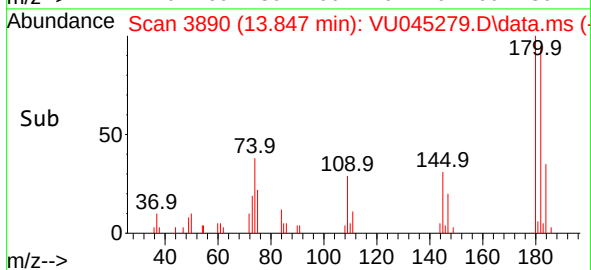
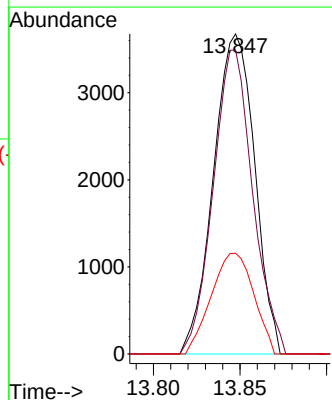
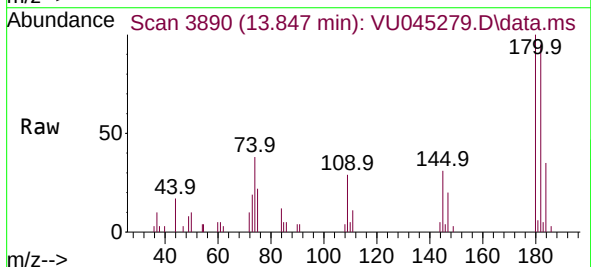
Instrument :
MSVOA_U
ClientSampleId :
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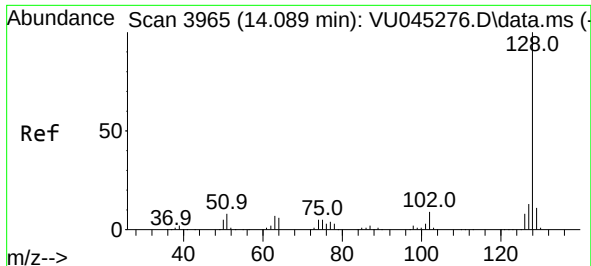
Tgt Ion:	180	Resp:	7585
Ion Ratio	Lower	Upper	
180	100		
182	92.7	76.8	115.2
184	29.8	24.4	36.6
145	31.5	24.9	37.3



#70
1,2,4-trichlorobenzene
Concen: 2.539 ug/L
RT: 13.847 min Scan# 3890
Delta R.T. 0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

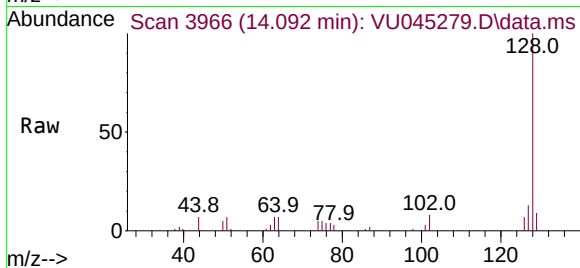
Tgt Ion:	180	Resp:	6074
Ion Ratio	Lower	Upper	
180	100		
182	91.1	76.2	114.2
145	32.5	25.4	38.0



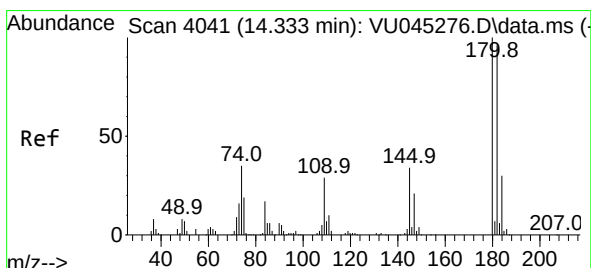
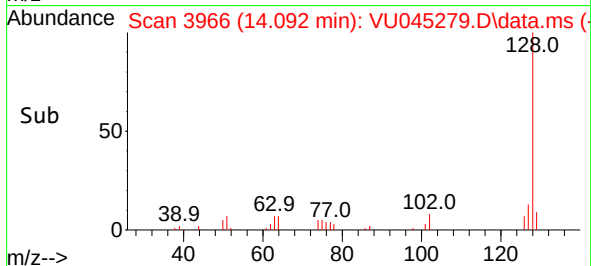
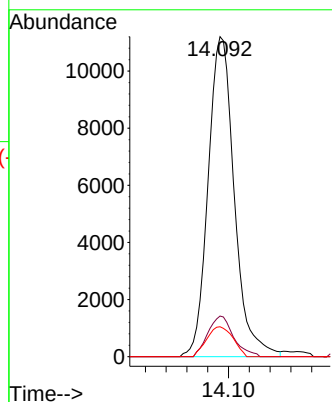


#71
Naphthalene
Concen: 2.365 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2021-07



Tgt Ion:128 Resp: 19610
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 9.4 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.473 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VU045279.D
Acq: 11 Oct 2021 13:42

Tgt Ion:180 Resp: 6053
Ion Ratio Lower Upper
180 100
182 90.7 76.8 115.2
145 31.3 26.5 39.7

