

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082922\
 Data File : VU050477.D
 Acq On : 29 Aug 2022 12:13
 Operator : SY/MD
 Sample : N4015-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2022-06

Quant Time: Aug 30 03:49:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 30 02:11:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	344035	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	333693	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	124576	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	159731	39.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.540%
7) Chloroethane-d5	1.900	69	134691	44.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.500%
11) 1,1-Dichloroethene-d2	2.562	63	196227	34.133	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.260%
21) 2-Butanone-d5	4.626	46	243610	91.491	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.490%
24) Chloroform-d	5.063	84	283788	43.458	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.920%
26) 1,2-Dichloroethane-d4	5.703	65	183223	45.146	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
32) Benzene-d6	5.726	84	576368	46.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.500%
36) 1,2-Dichloropropane-d6	6.690	67	191657	46.922	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.840%
41) Toluene-d8	7.899	98	472644	43.809	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.620%
43) trans-1,3-Dichloroprop...	8.179	79	73994	43.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.860%
47) 2-Hexanone-d5	8.636	63	127125	83.865	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.870%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	279150	44.309	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.620%
66) 1,2-Dichlorobenzene-d4	12.195	152	152874	51.371	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4918	1.829	ug/L	97
3) Chloromethane	1.517	50	7190	2.297	ug/L	95
5) Vinyl chloride	1.601	62	6453	2.109	ug/L #	46
6) Bromomethane	1.842	94	2397	2.118	ug/L	96
8) Chloroethane	1.922	64	3782	2.034	ug/L	97
9) Trichlorofluoromethane	2.131	101	7483	1.922	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	6665	2.792	ug/L #	77
12) 1,1-Dichloroethene	2.575	96	5453	2.584	ug/L #	1
13) Acetone	2.636	43	8436	4.819	ug/L	95
14) Carbon disulfide	2.787	76	9444	1.754	ug/L	97
15) Methyl Acetate	2.954	43	6014	1.909	ug/L	95
16) Methylene chloride	3.044	84	6916	2.351	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	4345	1.958	ug/L	92
18) Methyl tert-butyl Ether	3.369	73	14568	2.075	ug/L	100
19) 1,1-Dichloroethane	3.870	63	9779	2.035	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	5343	2.011	ug/L	96
22) 2-Butanone	4.719	43	10050	4.236	ug/L	74
23) Bromochloromethane	4.973	128	2843	1.959	ug/L	92
25) Chloroform	5.086	83	13671	2.670	ug/L	97

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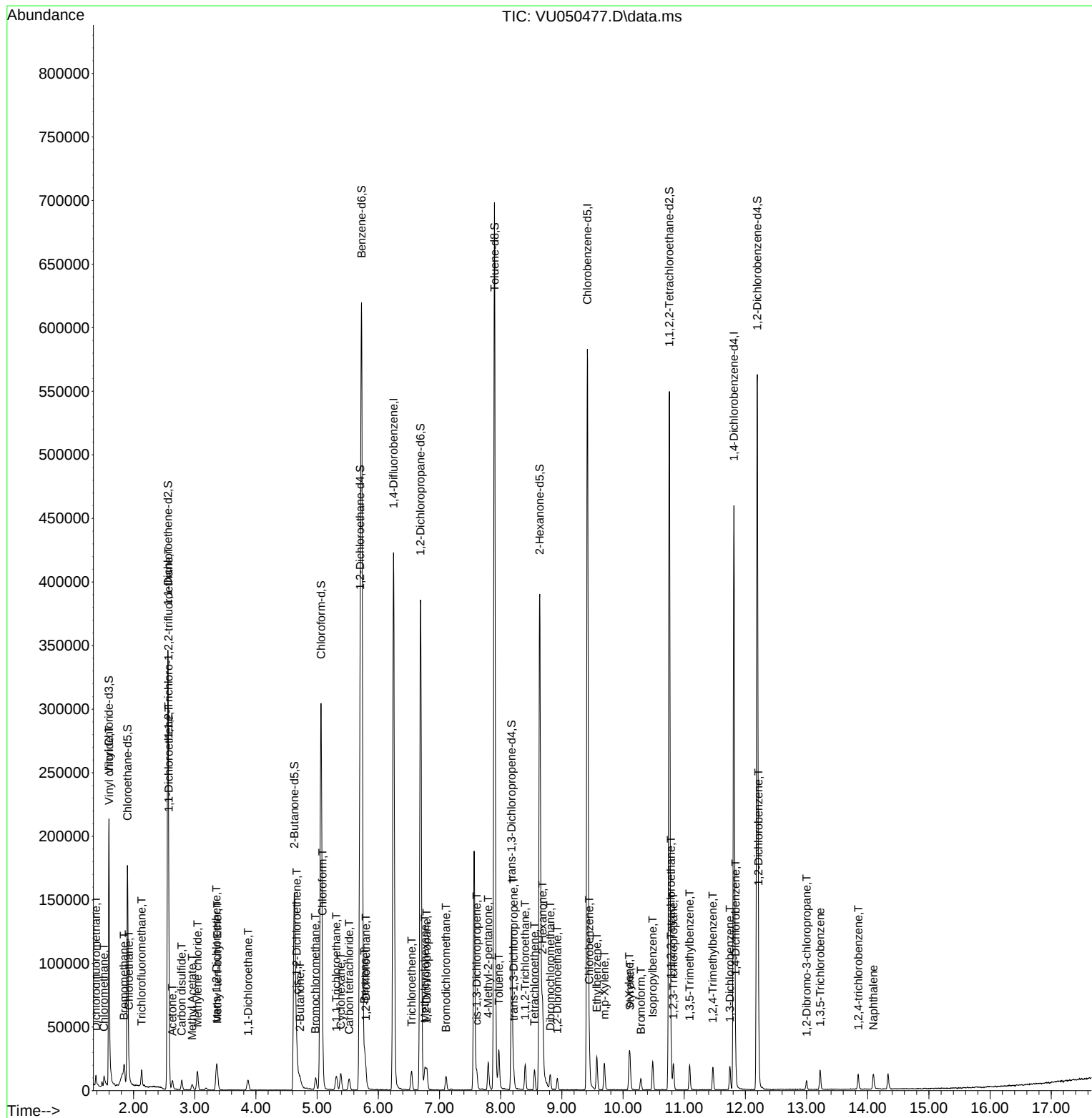
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	8655	2.266	ug/L #	94
29) Cyclohexane	5.385	56	5304	1.728	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	7899	2.069	ug/L	99
31) Carbon tetrachloride	5.523	117	6355	2.028	ug/L	99
33) Benzene	5.774	78	21979	2.175	ug/L	100
34) Trichloroethene	6.546	95	5078	2.123	ug/L	93
35) Methylcyclohexane	6.764	83	6308	1.886	ug/L	97
37) 1,2-Dichloropropane	6.793	63	6699	2.283	ug/L #	92
38) Bromodichloromethane	7.105	83	7562	2.020	ug/L #	97
39) cis-1,3-Dichloropropene	7.610	75	7664	1.989	ug/L	97
40) 4-Methyl-2-pentanone	7.796	43	14135	3.624	ug/L	98
42) Toluene	7.970	91	21183	2.081	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	7536	2.098	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	5982	2.072	ug/L	90
46) Tetrachloroethene	8.552	164	3575	2.035	ug/L	96
48) 2-Hexanone	8.684	43	31417	9.646	ug/L #	92
49) Dibromochloromethane	8.812	129	5970	1.996	ug/L	98
50) 1,2-Dibromoethane	8.925	107	6389	2.214	ug/L #	90
51) Chlorobenzene	9.449	112	14106	2.112	ug/L	99
52) Ethylbenzene	9.571	91	18881	1.840	ug/L	97
53) m,p-Xylene	9.697	106	6296	1.643	ug/L	92
54) o-Xylene	10.102	106	6012	1.579	ug/L	91
55) Styrene	10.115	104	9119	1.408	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	11922	2.259	ug/L #	99
59) Bromoform	10.291	173	4179	2.343	ug/L #	93
60) 1,2,3-Trichloropropane	10.822	75	8330	2.595	ug/L	97
61) Isopropylbenzene	10.484	105	14492	1.881	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	10642	1.710	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	9924	1.635	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	7623	2.023	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	8237	2.171	ug/L	93
67) 1,2-Dichlorobenzene	12.214	146	9392	2.371	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.999	75	1988	2.330	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	5204	2.004	ug/L	94
70) 1,2,4-trichlorobenzene	13.844	180	4218	2.028	ug/L	97
71) Naphthalene	14.092	128	11400	1.671	ug/L #	94

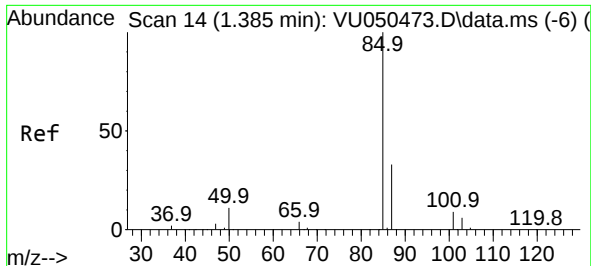
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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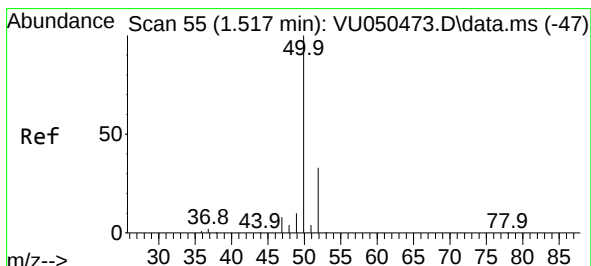
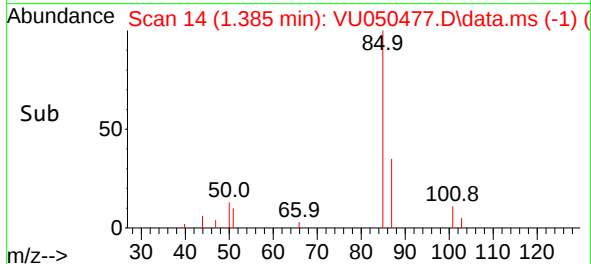
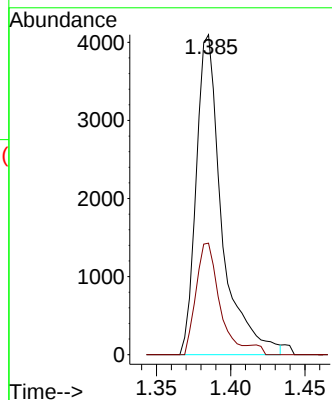
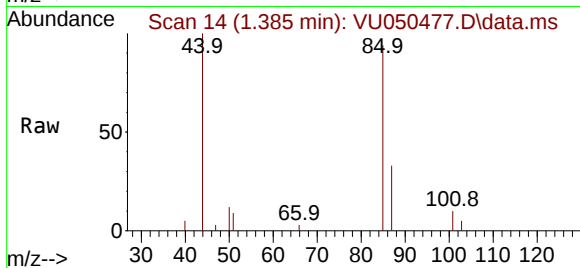




#2
Dichlorodifluoromethane
Concen: 1.829 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

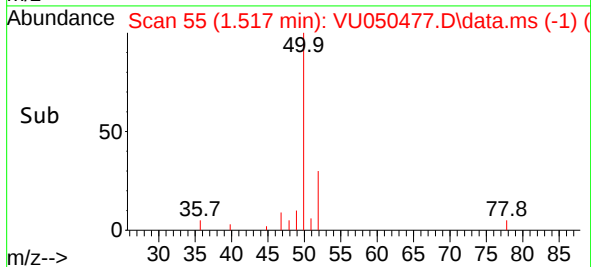
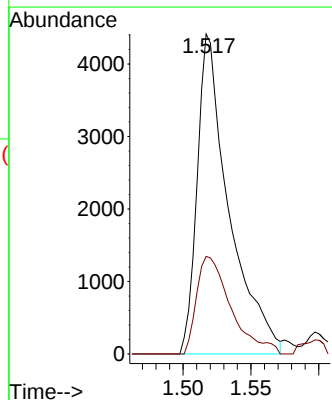
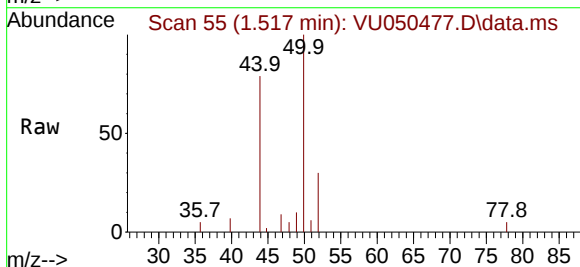
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MSVOA_U
ClientSampleId :
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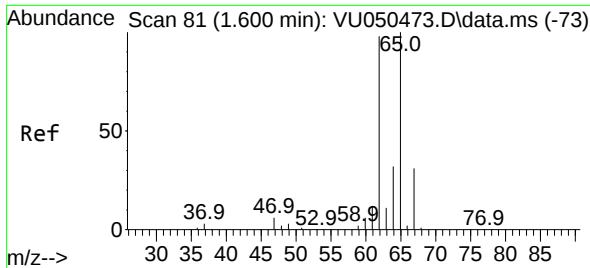
Tgt Ion: 85 Resp: 4918
Ion Ratio Lower Upper
85 100
87 31.4 26.2 39.4



#3
Chloromethane
Concen: 2.297 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion: 50 Resp: 7190
Ion Ratio Lower Upper
50 100
52 30.5 23.4 43.6

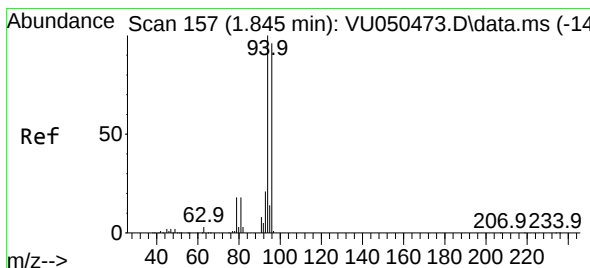
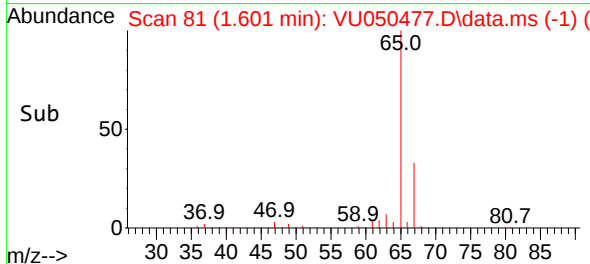
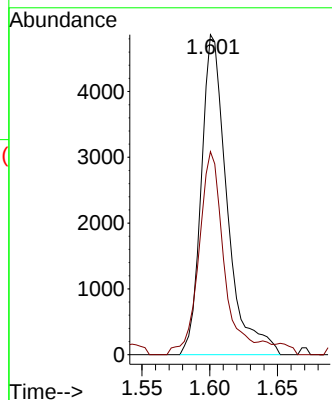
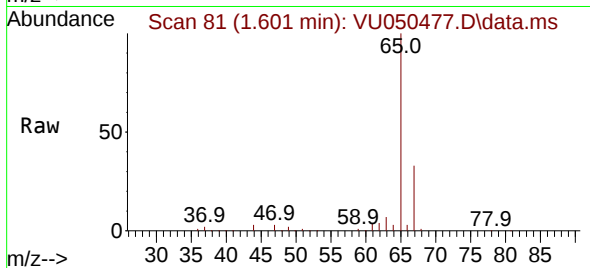




#5
 Vinyl chloride
 Concen: 2.109 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050477.D
 Acq: 29 Aug 2022 12:13

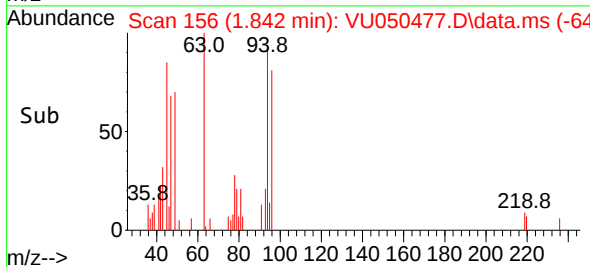
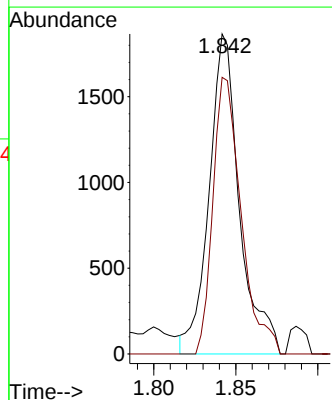
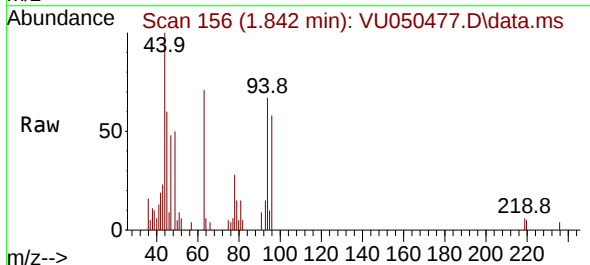
Instrument :
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 ClientSampleId :
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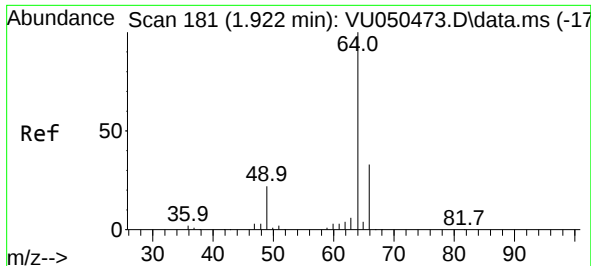
Tgt Ion: 62 Resp: 6453
 Ion Ratio Lower Upper
 62 100
 64 63.5 23.1 42.9#



#6
 Bromomethane
 Concen: 2.118 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.003 min
 Lab File: VU050477.D
 Acq: 29 Aug 2022 12:13

Tgt Ion: 94 Resp: 2397
 Ion Ratio Lower Upper
 94 100
 96 86.4 63.3 117.5

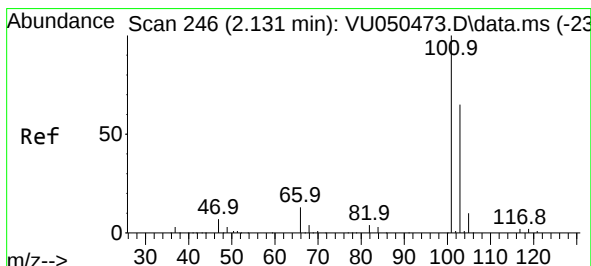
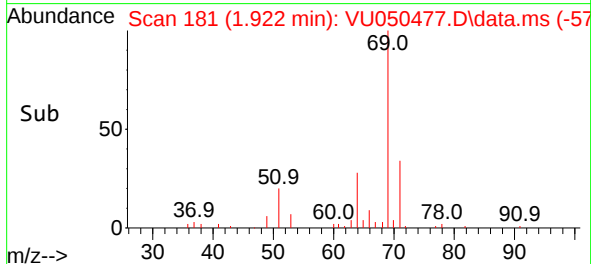
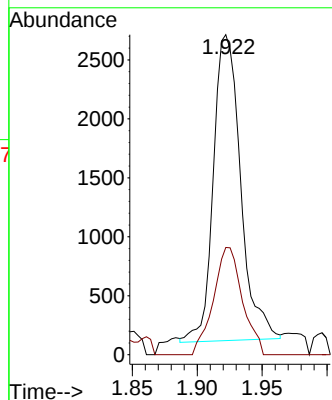
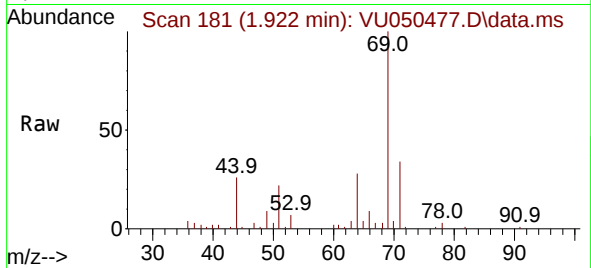




#8
Chloroethane
Concen: 2.034 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

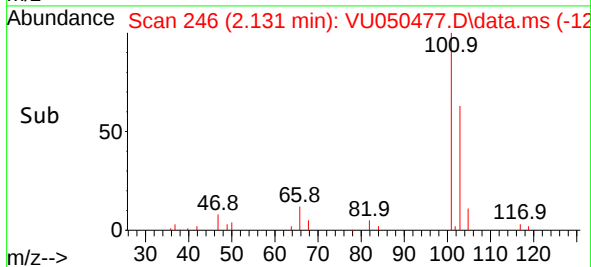
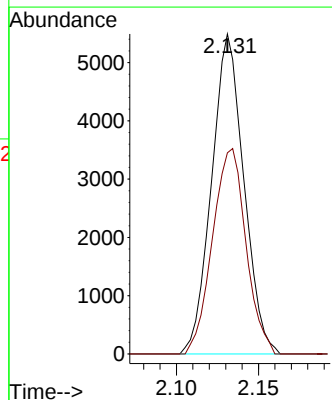
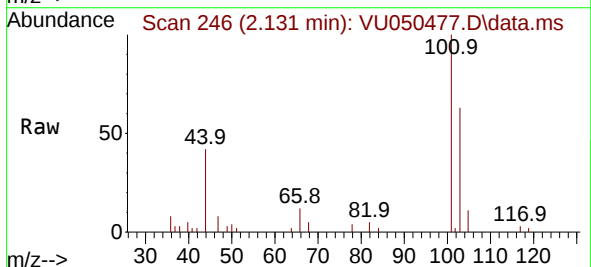
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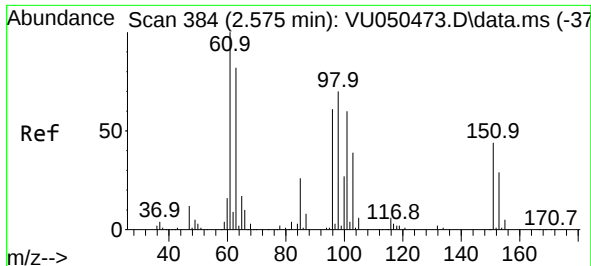
Tgt Ion: 64 Resp: 3782
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 1.922 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion: 101 Resp: 7483
Ion Ratio Lower Upper
101 100
103 66.7 51.1 76.7

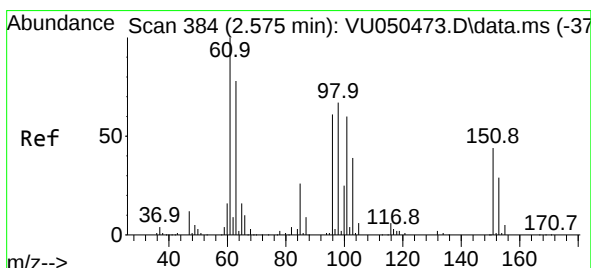
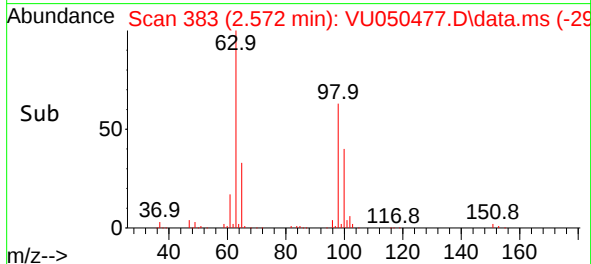
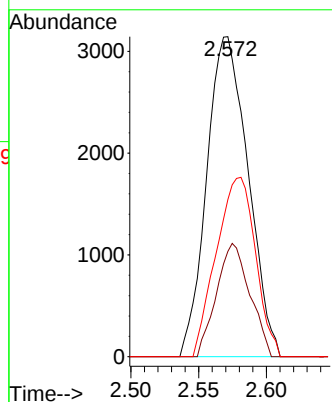
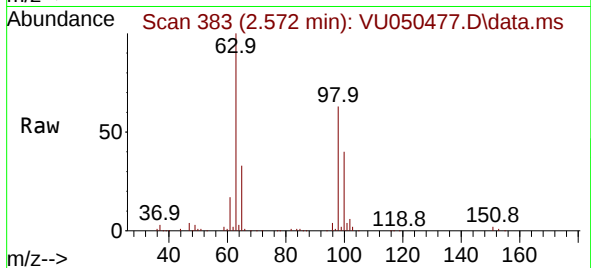




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.792 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU050477.D
 Acq: 29 Aug 2022 12:13

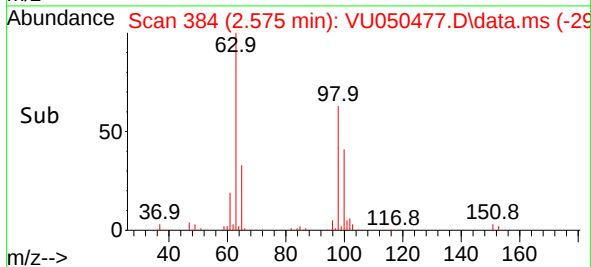
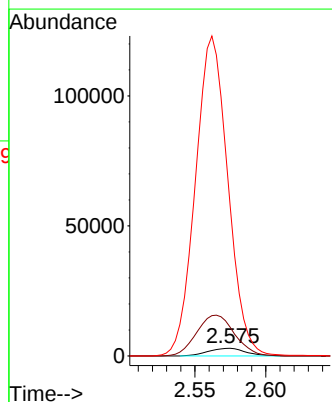
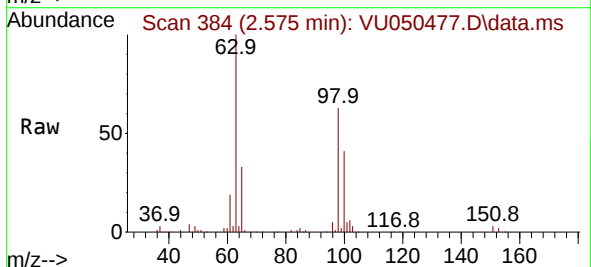
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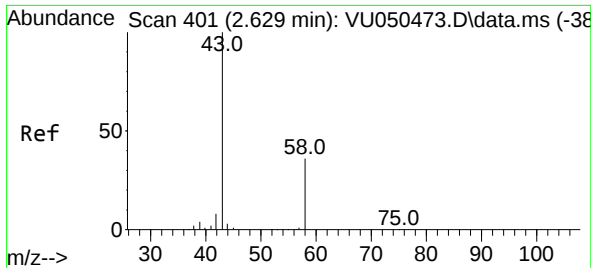
Tgt Ion:101 Resp: 6665
 Ion Ratio Lower Upper
 101 100
 85 28.5 35.3 52.9#
 151 53.1 57.3 85.9#



#12
 1,1-Dichloroethene
 Concen: 2.584 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050477.D
 Acq: 29 Aug 2022 12:13

Tgt Ion: 96 Resp: 5453
 Ion Ratio Lower Upper
 96 100
 61 372.2 116.8 216.8#
 63 1951.1 97.4 180.8#





#13

Acetone

Concen: 4.819 ug/L

RT: 2.636 min Scan# 401

Delta R.T. 0.007 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

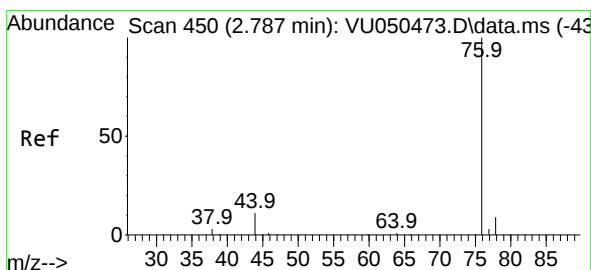
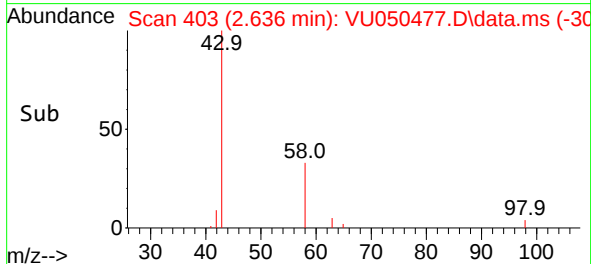
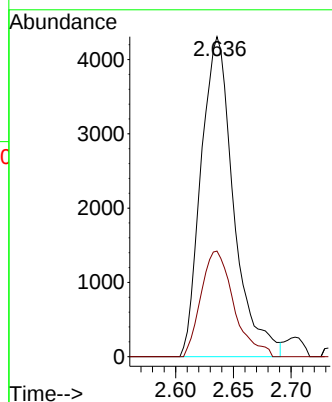
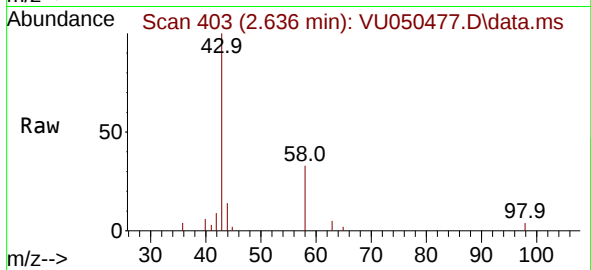
MDL-WATER-QT3-2022-06

Tgt Ion: 43 Resp: 8436

Ion Ratio Lower Upper

43 100

58 33.3 0.0 72.2



#14

Carbon disulfide

Concen: 1.754 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU050477.D

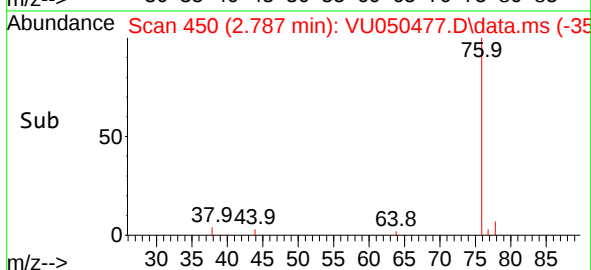
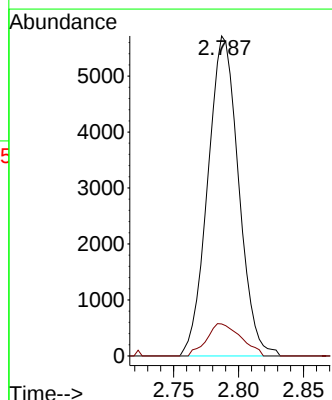
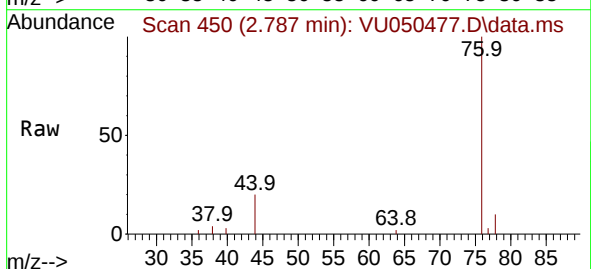
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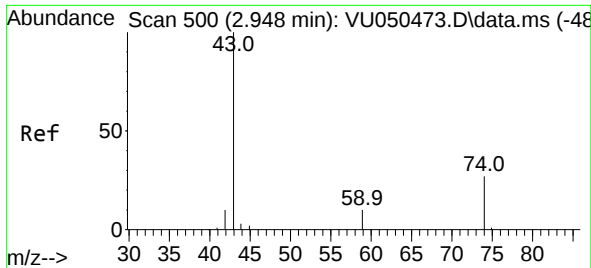
Tgt Ion: 76 Resp: 9444

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

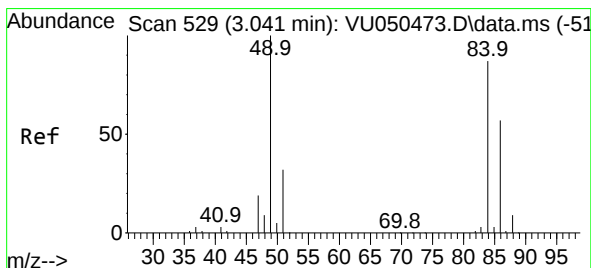
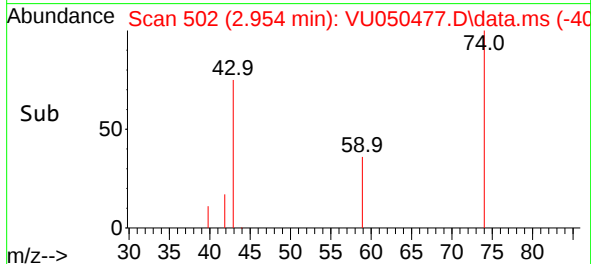
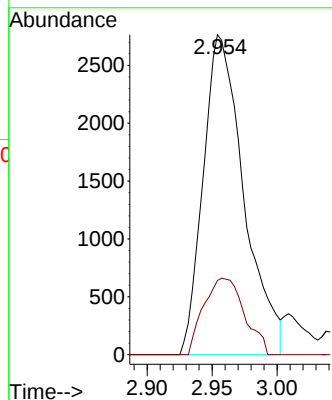
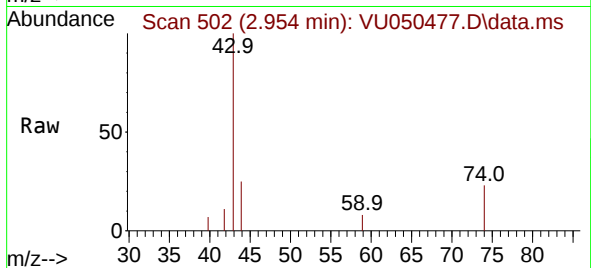




#15
Methyl Acetate
Concen: 1.909 ug/L
RT: 2.954 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

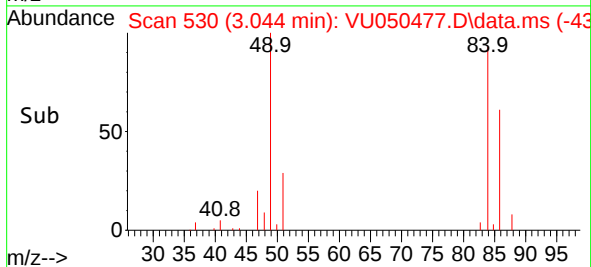
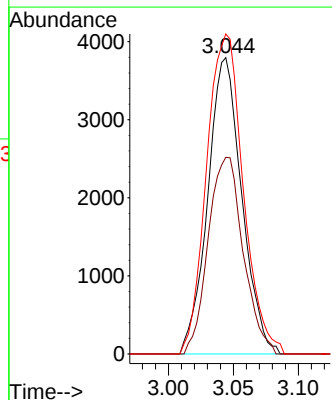
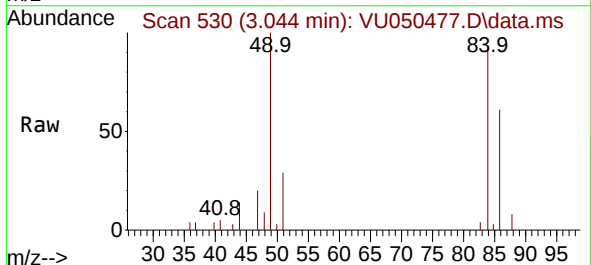
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

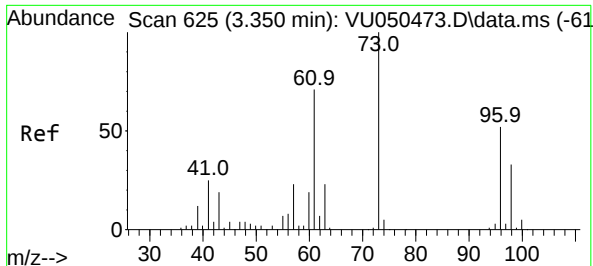
Tgt Ion: 43 Resp: 6014
Ion Ratio Lower Upper
43 100
74 23.9 21.2 31.8



#16
Methylene chloride
Concen: 2.351 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion: 84 Resp: 6916
Ion Ratio Lower Upper
84 100
86 66.4 43.9 81.5
49 108.0 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 1.958 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-06

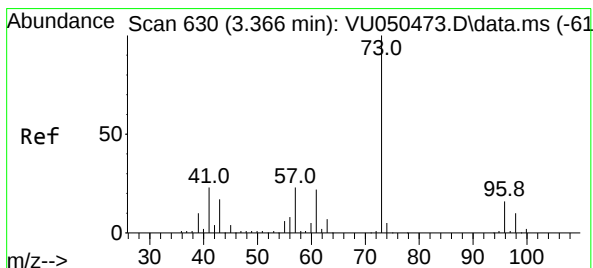
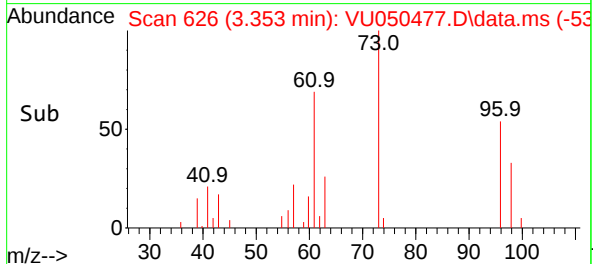
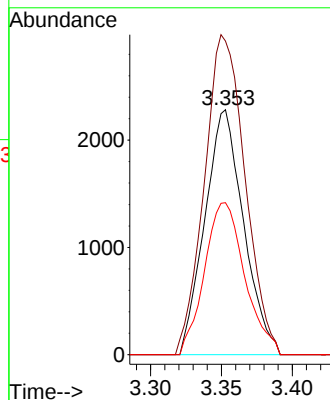
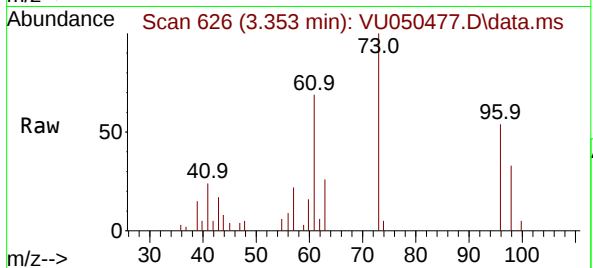
Tgt Ion: 96 Resp: 4345

Ion Ratio Lower Upper

96 100

61 128.0 98.5 182.9

98 62.1 45.7 84.9



#18

Methyl tert-butyl Ether

Concen: 2.075 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

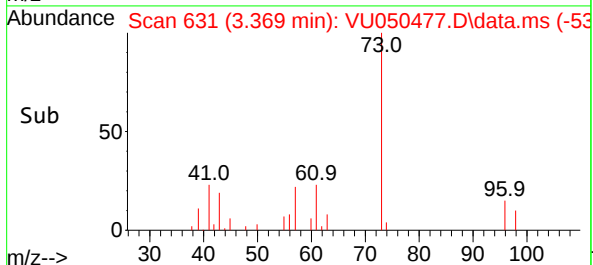
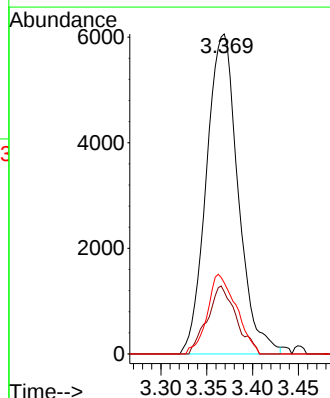
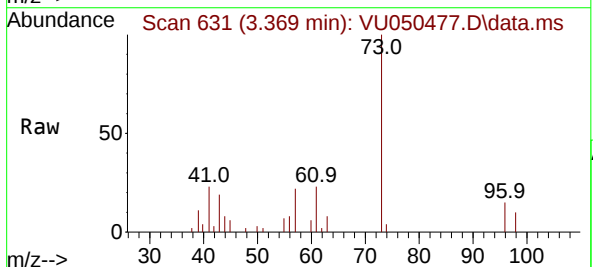
Tgt Ion: 73 Resp: 14568

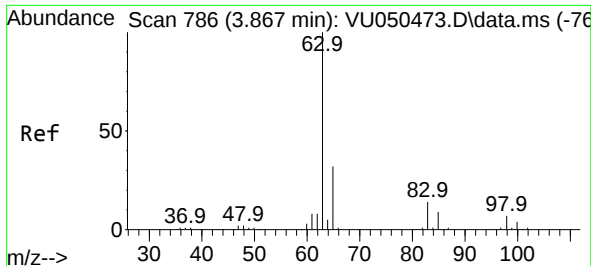
Ion Ratio Lower Upper

73 100

43 18.0 14.4 21.6

57 22.7 17.8 26.8





#19

1,1-Dichloroethane

Concen: 2.035 ug/L

RT: 3.870 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-06

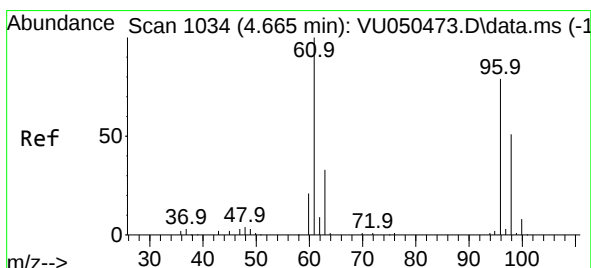
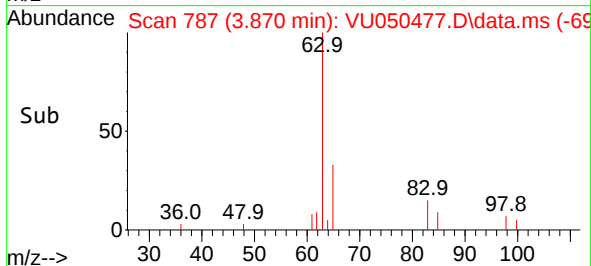
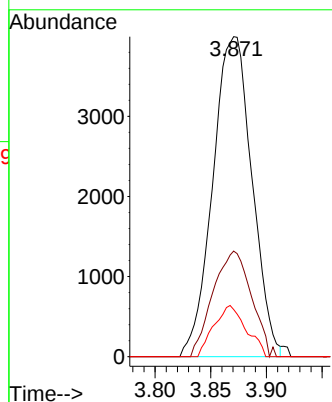
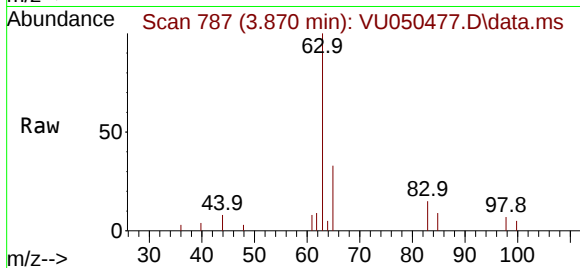
Tgt Ion: 63 Resp: 9779

Ion Ratio Lower Upper

63 100

65 33.0 23.3 43.3

83 14.7 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 2.011 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

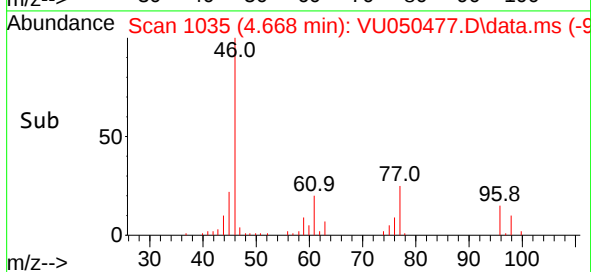
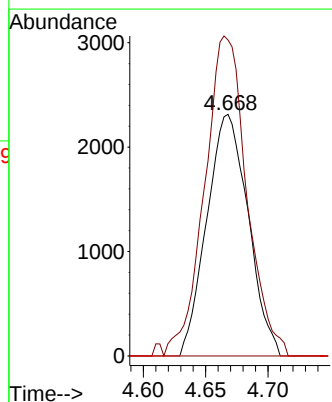
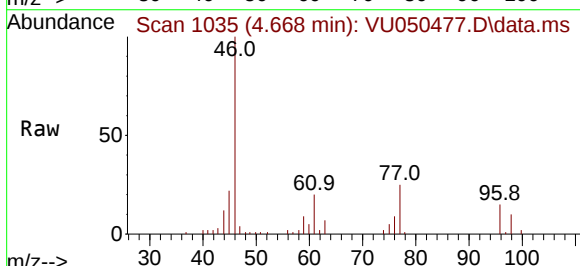
Tgt Ion: 96 Resp: 5343

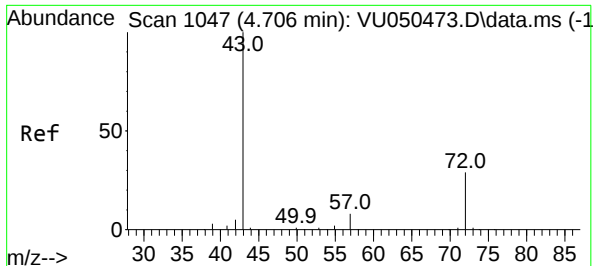
Ion Ratio Lower Upper

96 100

61 130.8 88.1 163.5

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.236 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.013 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

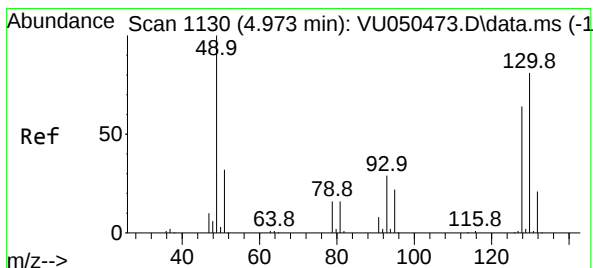
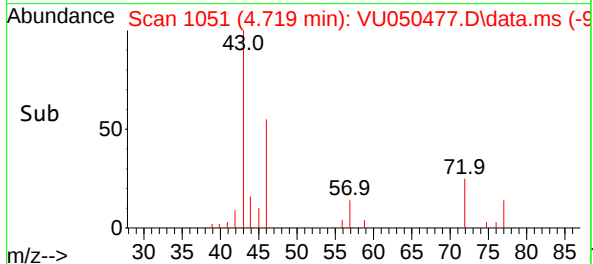
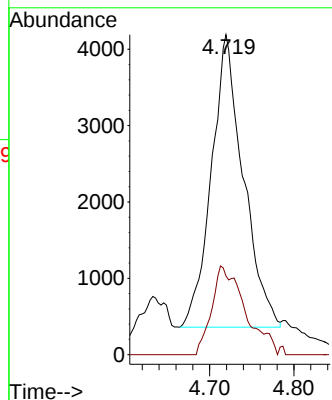
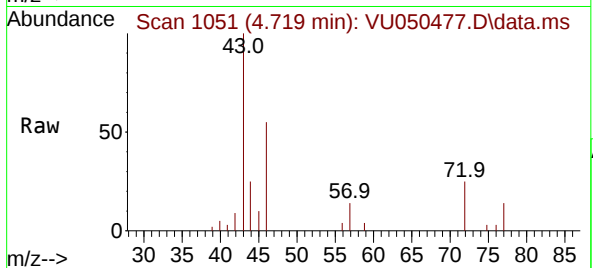
MDL-WATER-QT3-2022-06

Tgt Ion: 43 Resp: 10050

Ion Ratio Lower Upper

43 100

72 15.8 15.0 45.0



#23

Bromochloromethane

Concen: 1.959 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Tgt Ion: 128 Resp: 2843

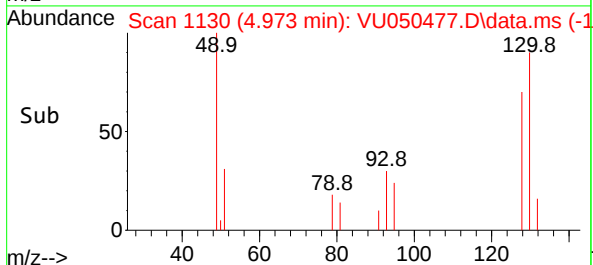
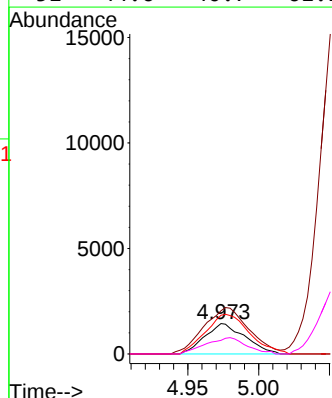
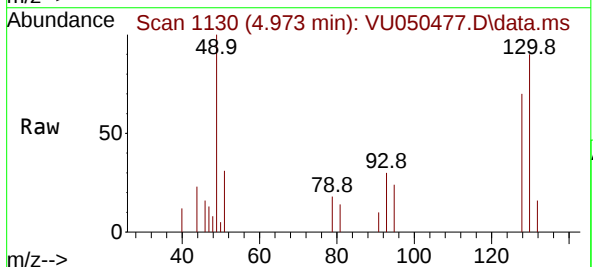
Ion Ratio Lower Upper

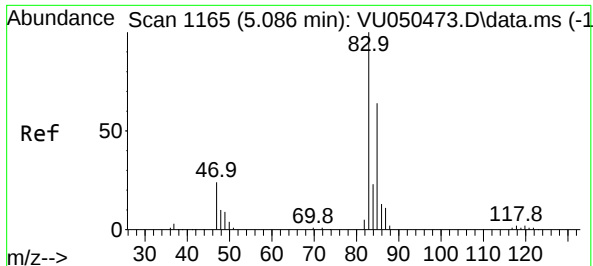
128 100

49 142.2 111.2 206.4

130 127.8 91.1 169.1

51 44.6 40.7 61.1





#25

Chloroform

Concen: 2.670 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

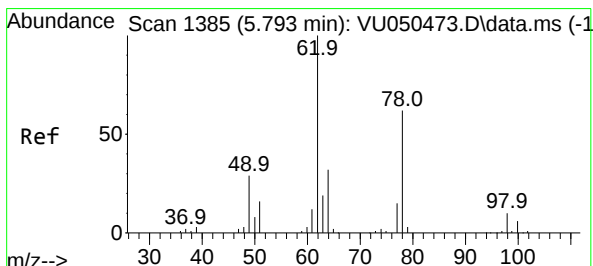
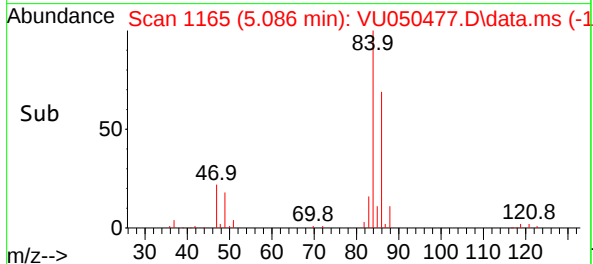
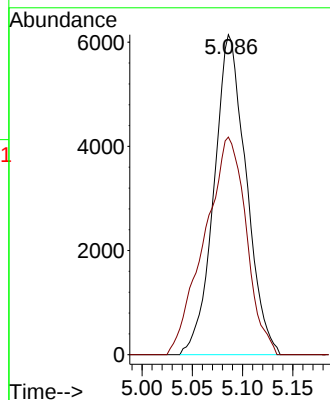
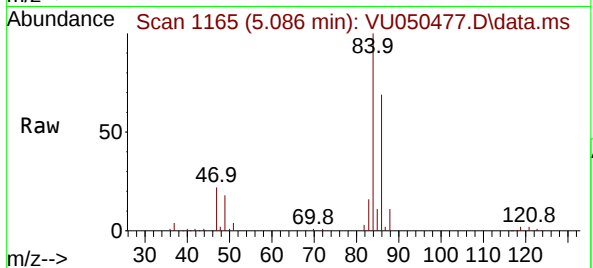
MDL-WATER-QT3-2022-06

Tgt Ion: 83 Resp: 13671

Ion Ratio Lower Upper

83 100

85 68.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 2.266 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU050477.D

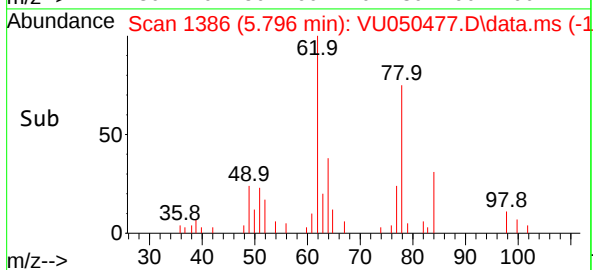
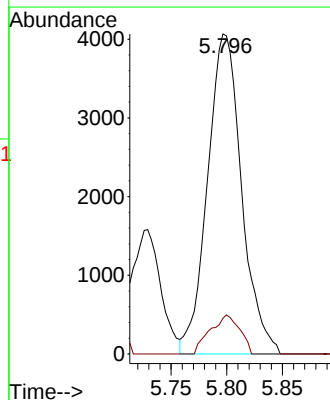
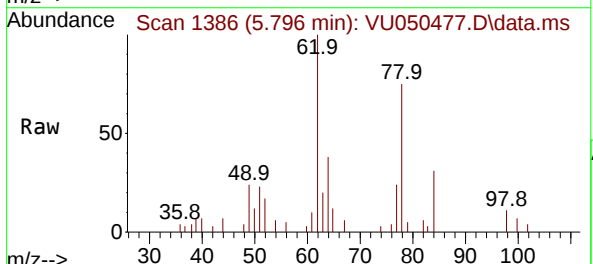
Acq: 29 Aug 2022 12:13

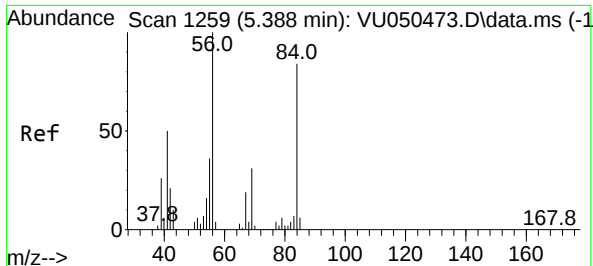
Tgt Ion: 62 Resp: 8655

Ion Ratio Lower Upper

62 100

98 11.1 7.3 10.9#





#29

Cyclohexane

Concen: 1.728 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-06

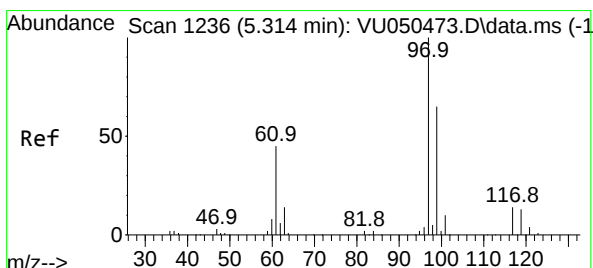
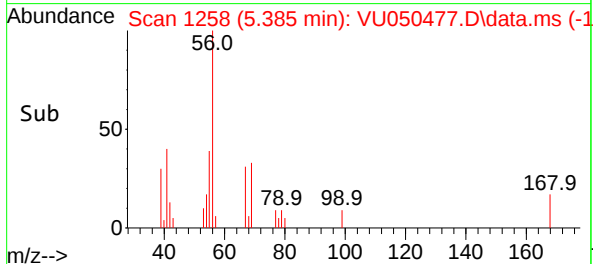
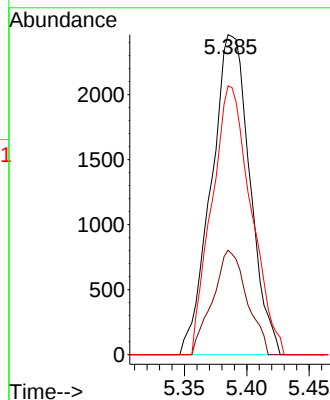
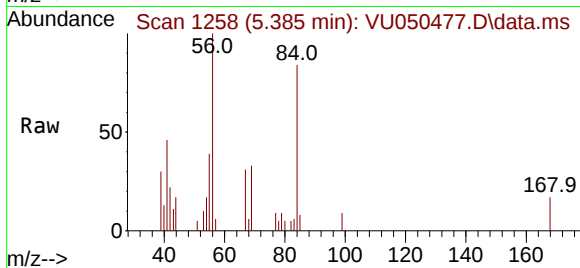
Tgt Ion: 56 Resp: 5304

Ion Ratio Lower Upper

56 100

69 29.0 24.6 36.8

84 85.4 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 2.069 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

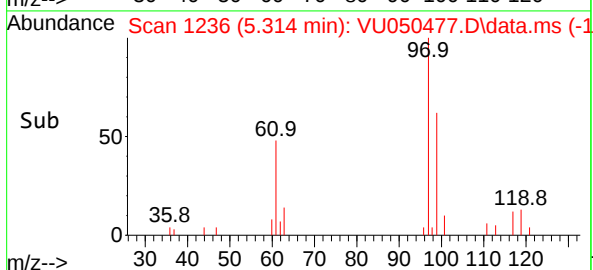
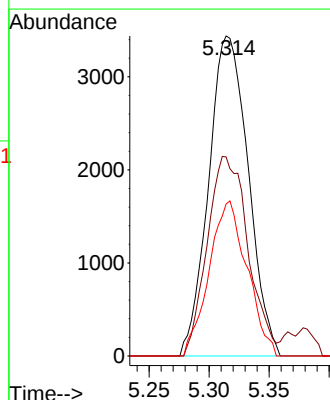
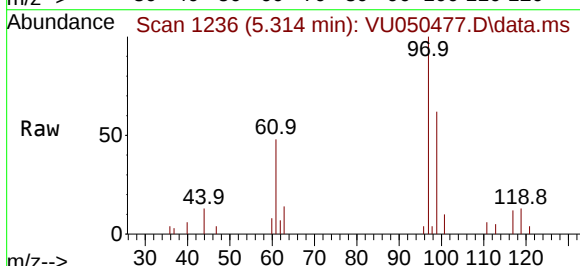
Tgt Ion: 97 Resp: 7899

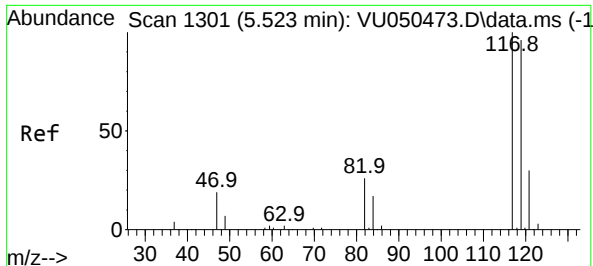
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 46.4 36.6 55.0

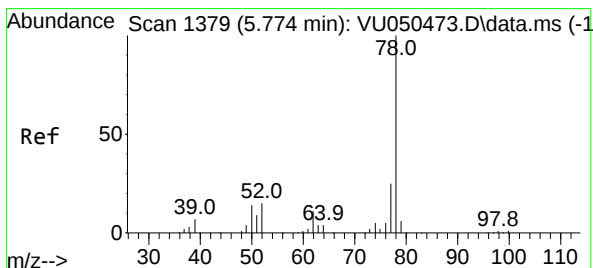
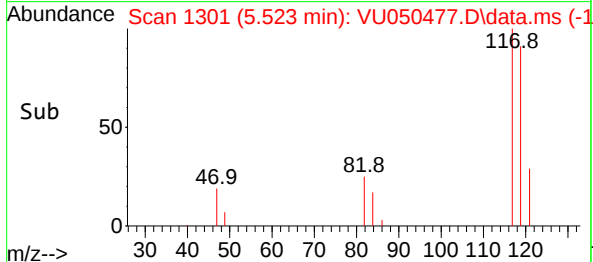
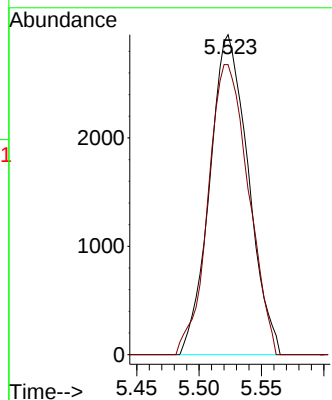
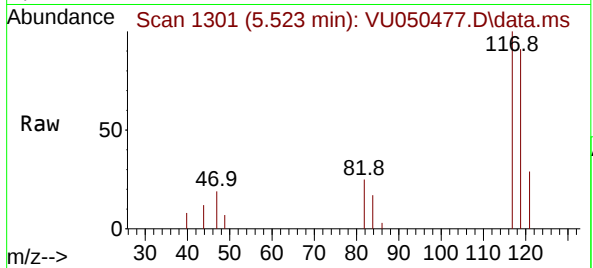




#31
Carbon tetrachloride
Concen: 2.028 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

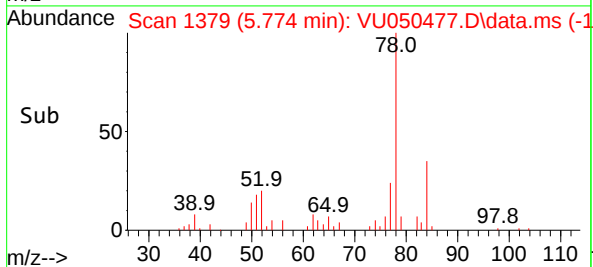
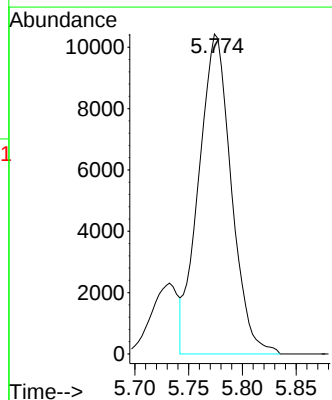
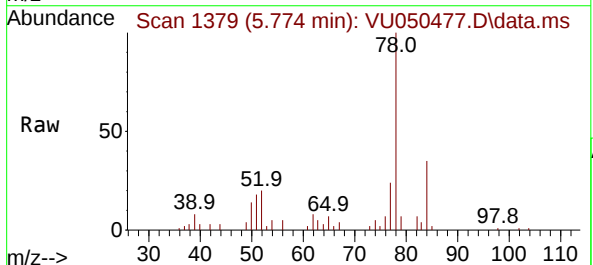
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

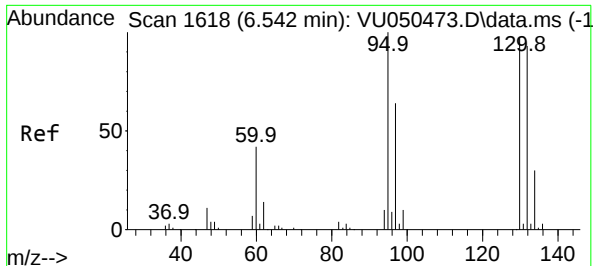
Tgt Ion:117 Resp: 6355
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3



#33
Benzene
Concen: 2.175 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion: 78 Resp: 21979

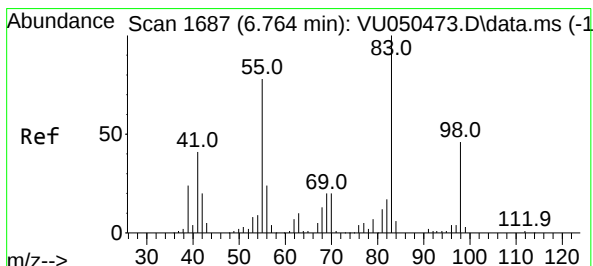
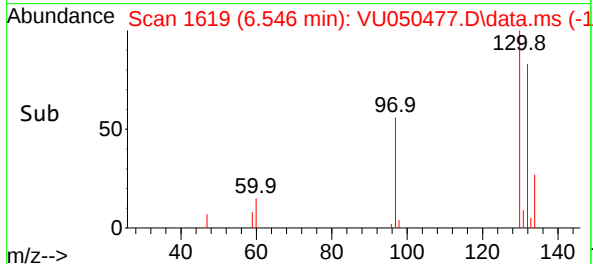
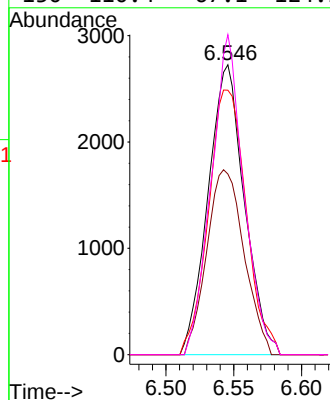
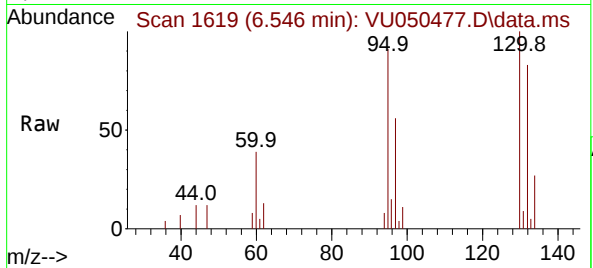




#34
Trichloroethene
Concen: 2.123 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.004 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

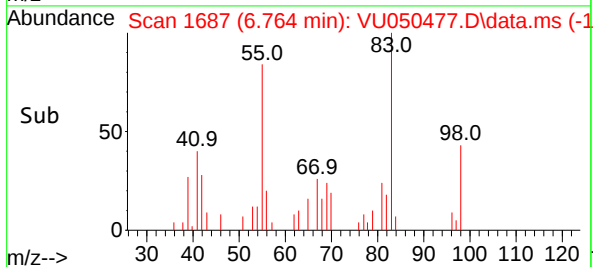
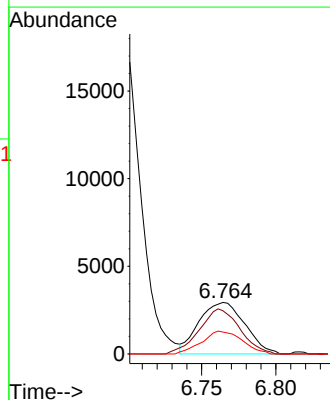
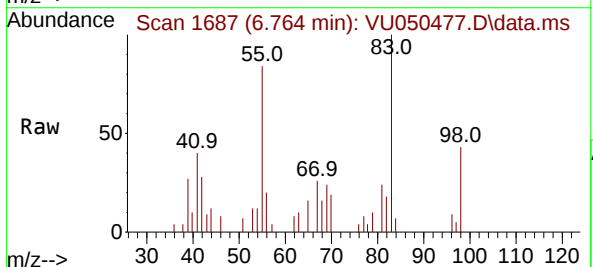
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

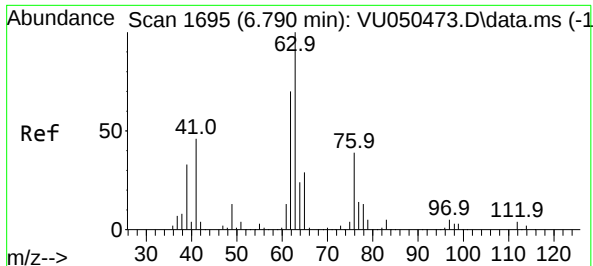
Tgt Ion:	95	Resp:	5078
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.2	84.0
132	91.2	64.4	119.6
130	110.4	67.1	124.5



#35
Methylcyclohexane
Concen: 1.886 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:	83	Resp:	6308
Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.9	92.9
98	39.0	35.8	53.8





#37

1,2-Dichloropropane

Concen: 2.283 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

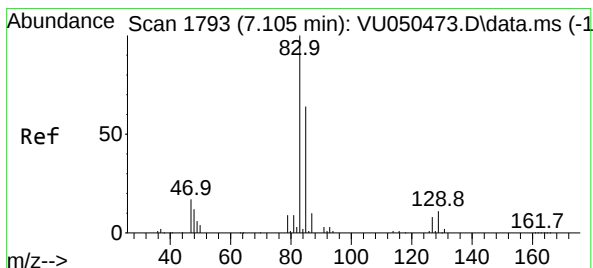
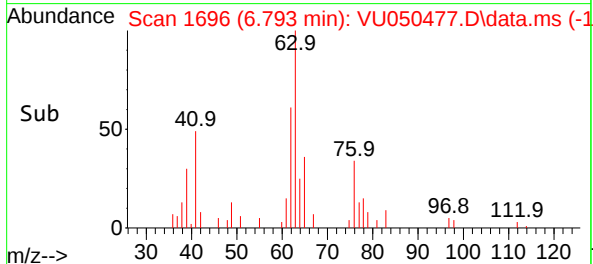
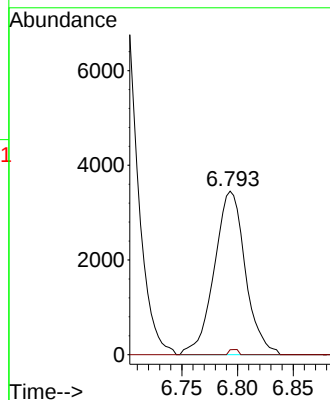
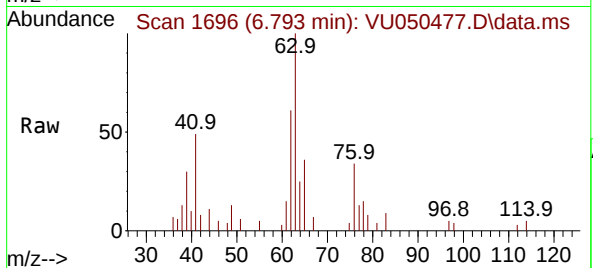
MDL-WATER-QT3-2022-06

Tgt Ion: 63 Resp: 6699

Ion Ratio Lower Upper

63 100

112 0.9 3.0 4.4#



#38

Bromodichloromethane

Concen: 2.020 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

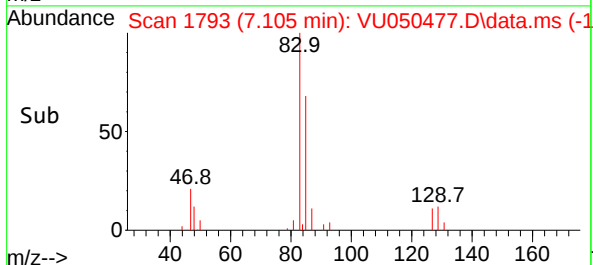
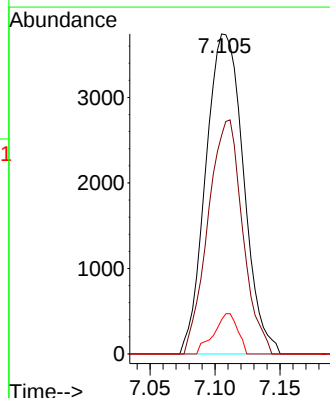
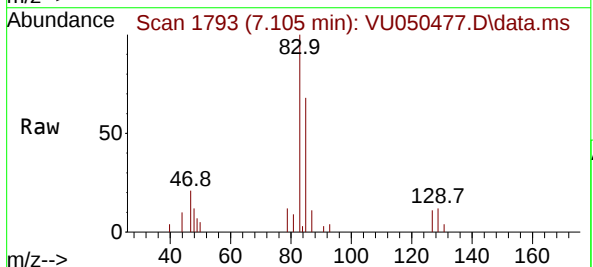
Tgt Ion: 83 Resp: 7562

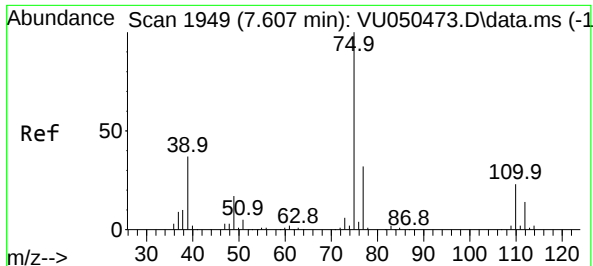
Ion Ratio Lower Upper

83 100

85 68.3 46.2 85.8

127 10.7 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 1.989 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

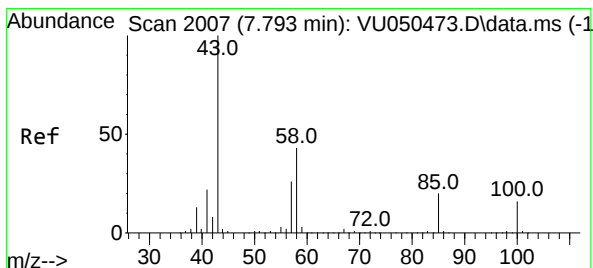
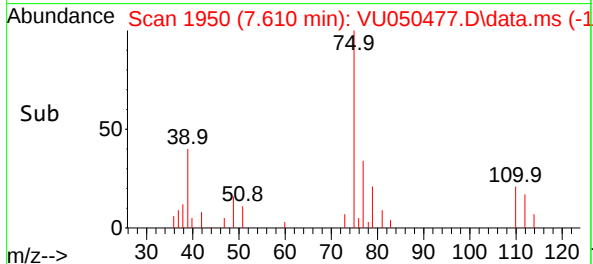
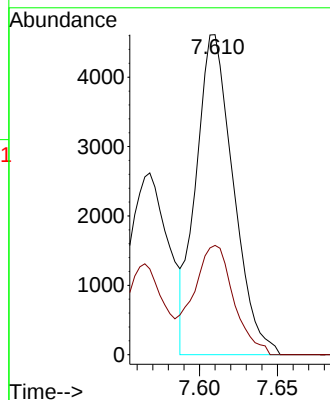
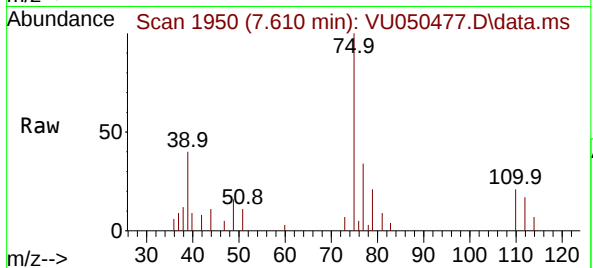
MDL-WATER-QT3-2022-06

Tgt Ion: 75 Resp: 7664

Ion Ratio Lower Upper

75 100

77 34.2 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 3.624 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

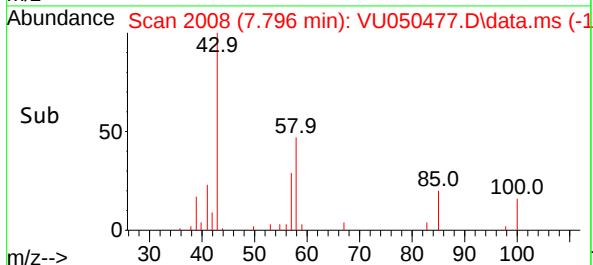
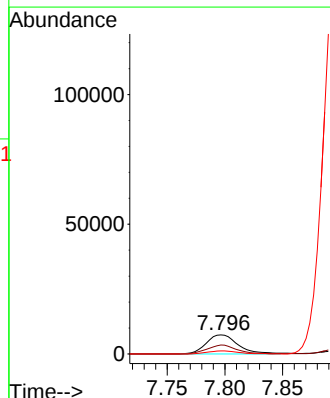
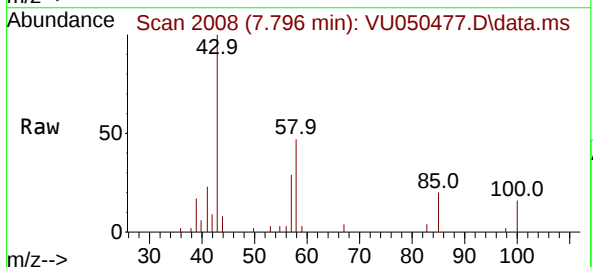
Tgt Ion: 43 Resp: 14135

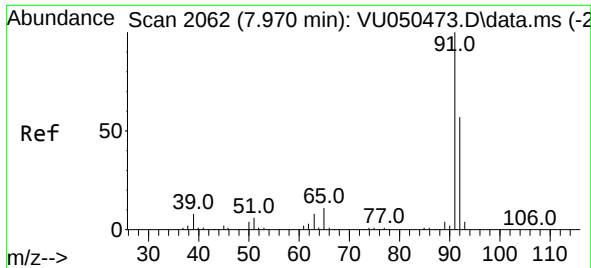
Ion Ratio Lower Upper

43 100

58 43.7 34.0 51.0

100 15.4 13.0 19.4





#42

Toluene

Concen: 2.081 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

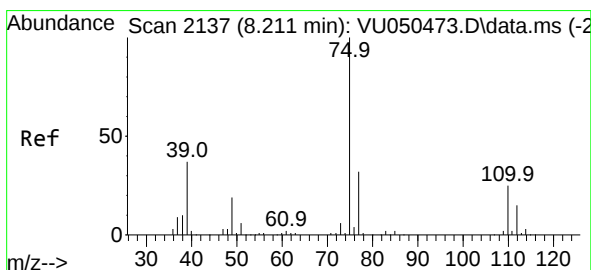
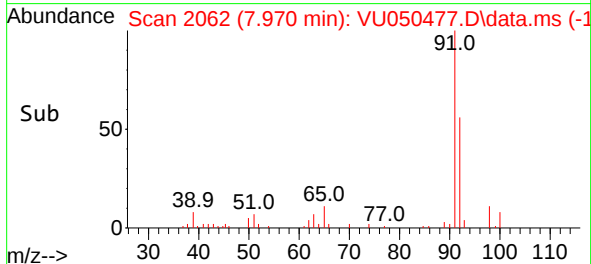
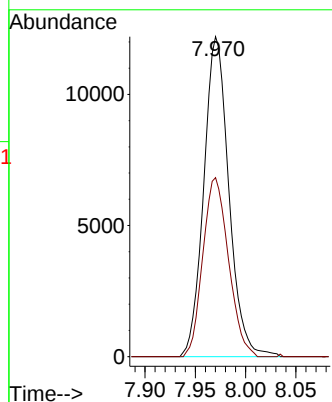
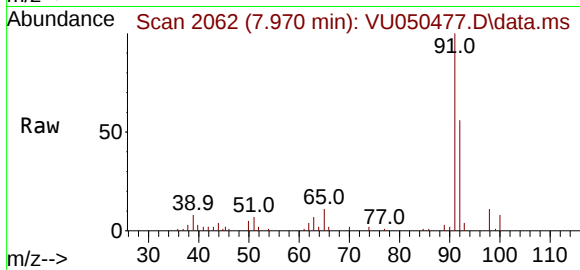
MDL-WATER-QT3-2022-06

Tgt Ion: 91 Resp: 21183

Ion Ratio Lower Upper

91 100

92 55.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 2.098 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050477.D

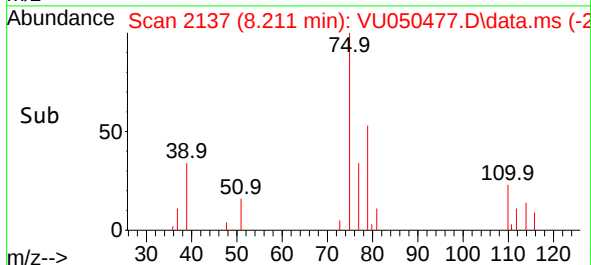
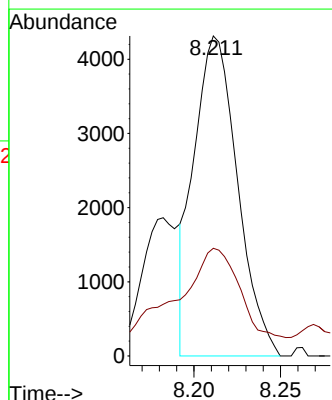
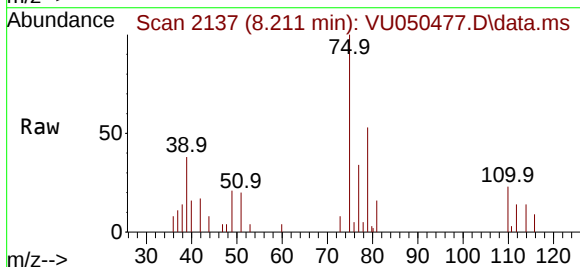
Acq: 29 Aug 2022 12:13

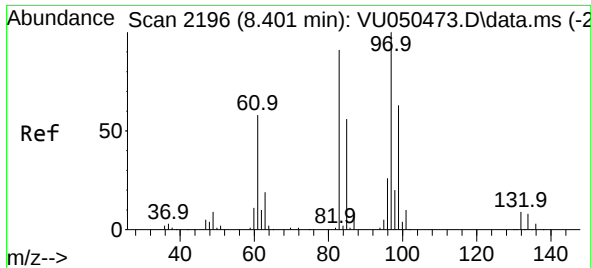
Tgt Ion: 75 Resp: 7536

Ion Ratio Lower Upper

75 100

77 33.7 22.5 41.7

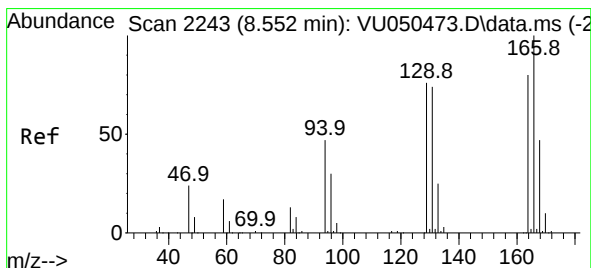
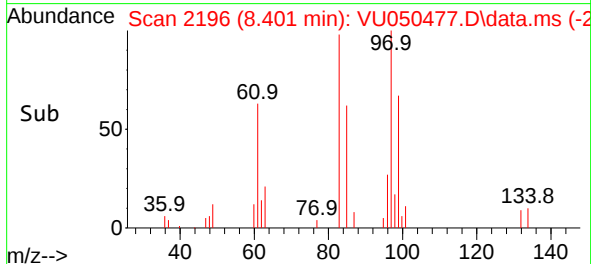
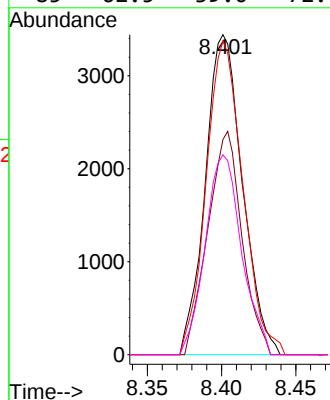
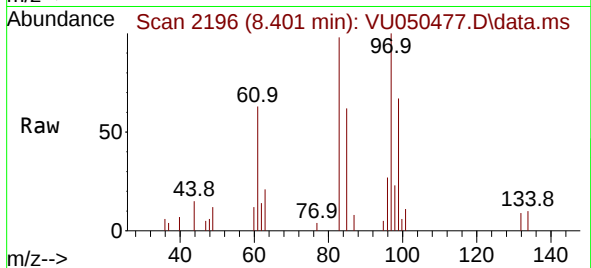




#45
1,1,2-Trichloroethane
Concen: 2.072 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

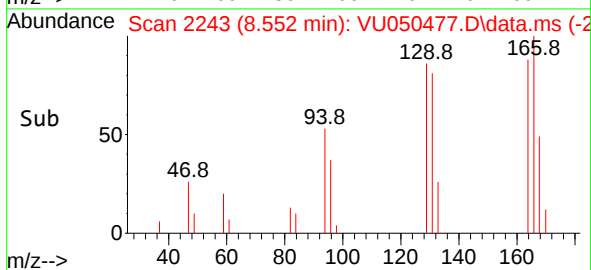
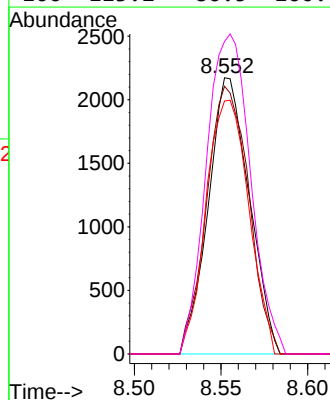
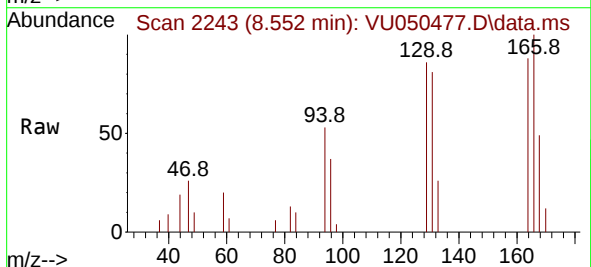
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2022-06

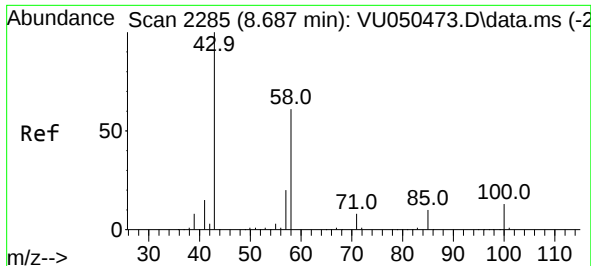
Tgt Ion:	97	Resp:	5982
Ion	Ratio	Lower	Upper
97	100		
99	67.2	43.3	80.3
83	98.0	60.3	112.1
85	62.5	39.0	72.4



#46
Tetrachloroethene
Concen: 2.035 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:	164	Resp:	3575
Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.0	126.4
131	91.6	65.4	121.4
166	113.2	86.5	160.7

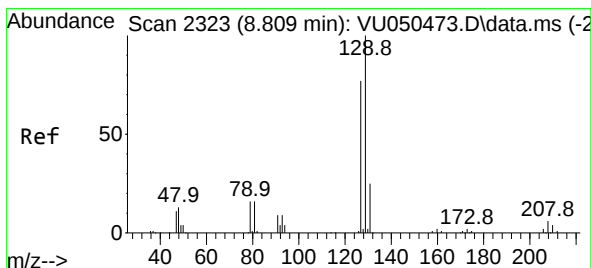
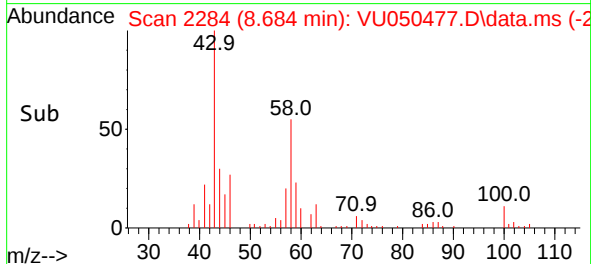
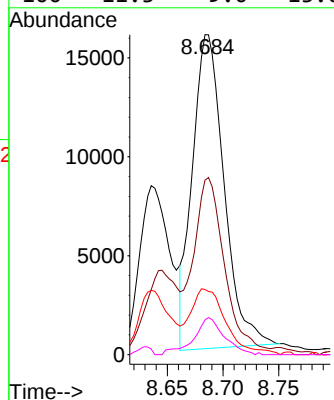
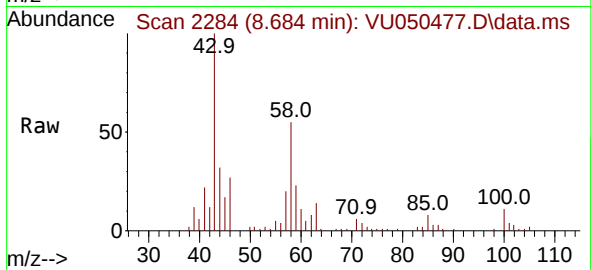




#48
2-Hexanone
Concen: 9.646 ug/L
RT: 8.684 min Scan# 21417
Delta R.T. -0.003 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

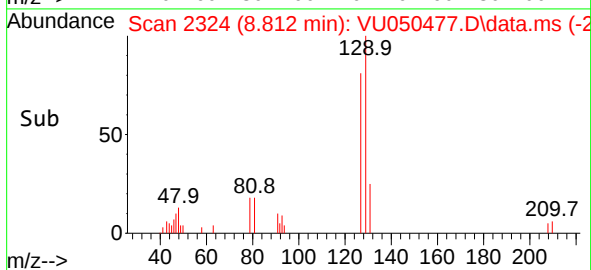
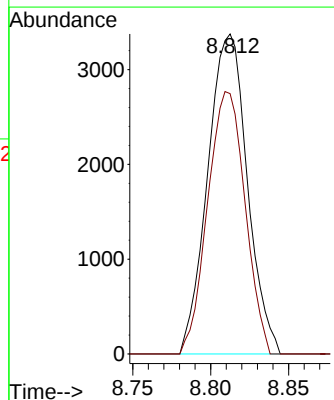
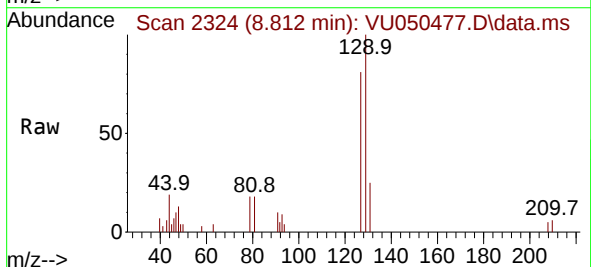
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2022-06

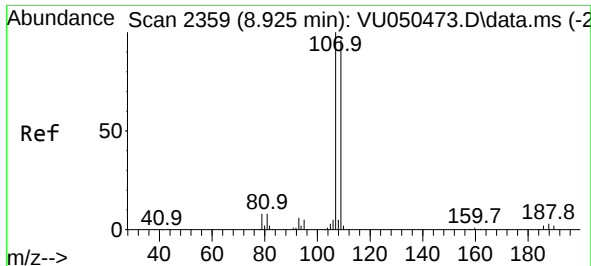
Tgt Ion:	43	Resp:	31417
Ion	Ratio	Lower	Upper
43	100		
58	53.5	47.9	71.9
57	23.8	15.4	23.0
100	11.3	9.0	13.6



#49
Dibromochloromethane
Concen: 1.996 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:	129	Resp:	5970
Ion	Ratio	Lower	Upper
129	100		
127	81.4	55.9	103.7

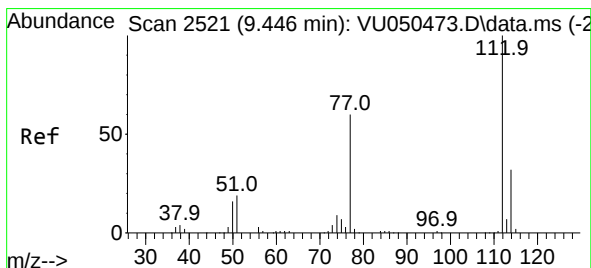
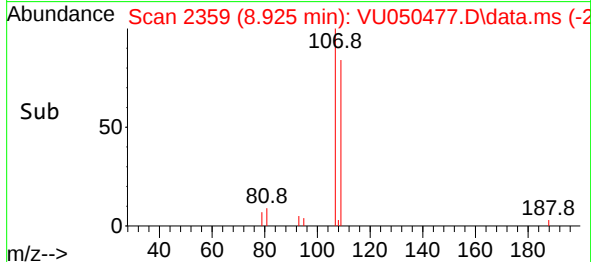
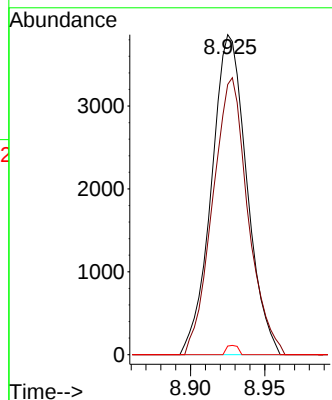
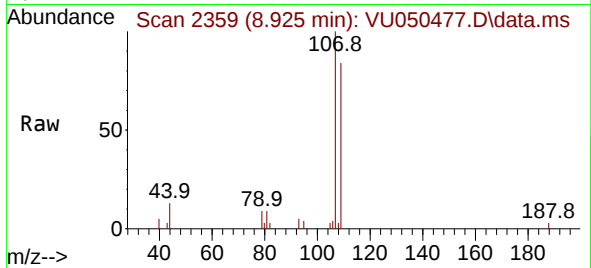




#50
1,2-Dibromoethane
Concen: 2.214 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

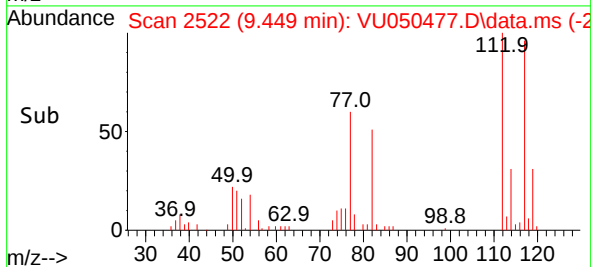
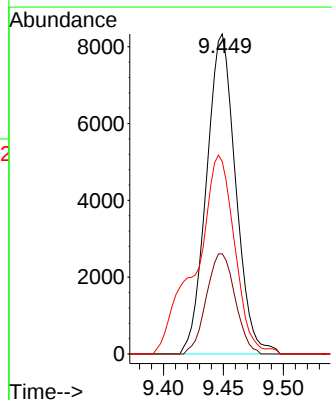
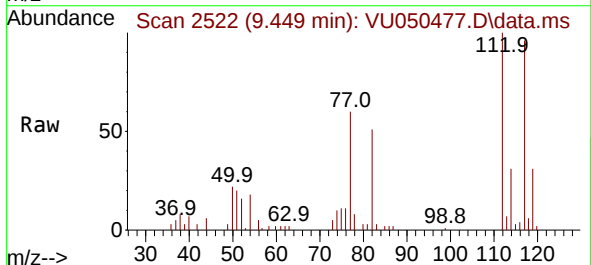
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

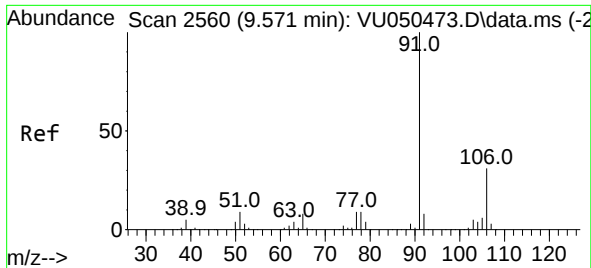
Tgt Ion:107 Resp: 6389
Ion Ratio Lower Upper
107 100
109 84.5 66.0 122.6
188 2.7 2.7 4.1#



#51
Chlorobenzene
Concen: 2.112 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:112 Resp: 14106
Ion Ratio Lower Upper
112 100
114 31.3 21.8 40.6
77 60.1 47.6 71.4

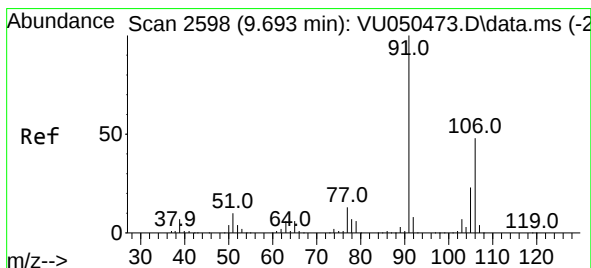
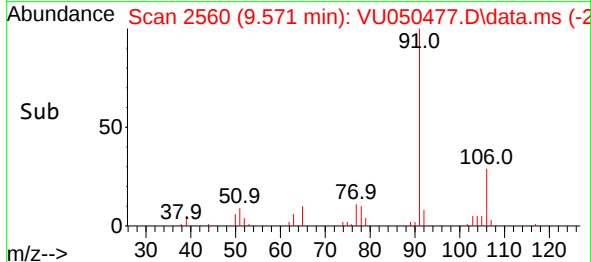
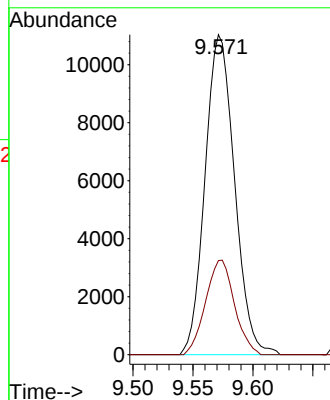
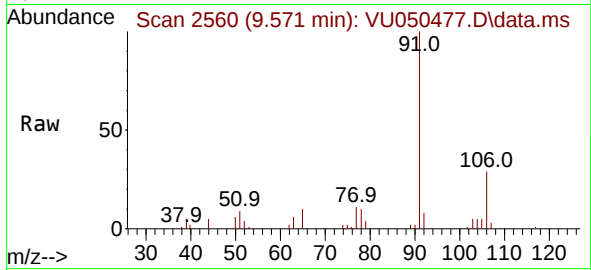




#52
Ethylbenzene
Concen: 1.840 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

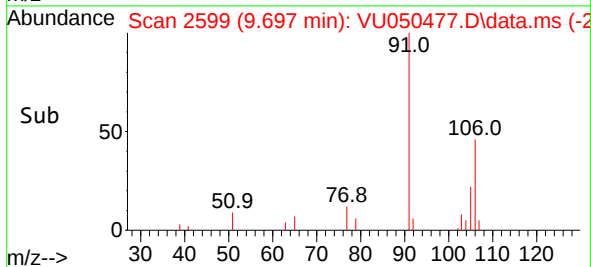
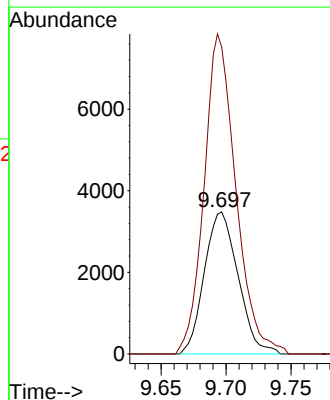
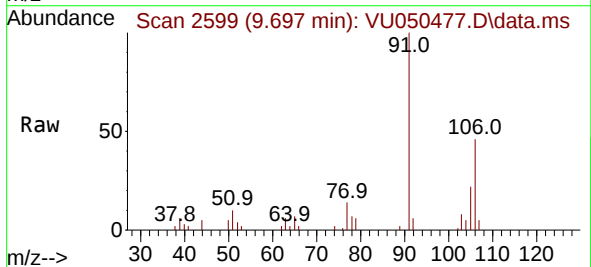
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

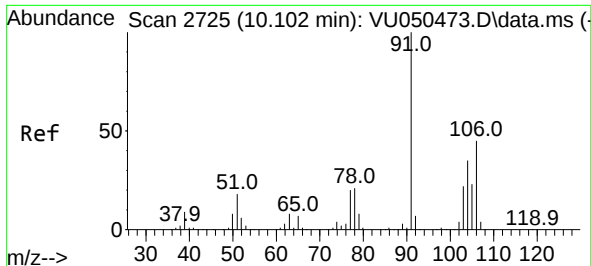
Tgt Ion: 91 Resp: 18881
Ion Ratio Lower Upper
91 100
106 29.4 21.7 40.3



#53
m,p-Xylene
Concen: 1.643 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion: 106 Resp: 6296
Ion Ratio Lower Upper
106 100
91 195.8 145.9 270.9

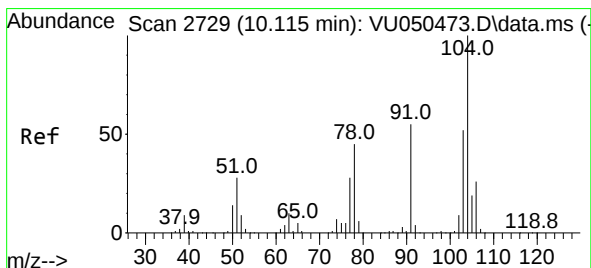
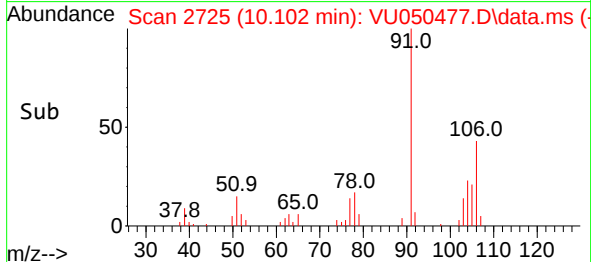
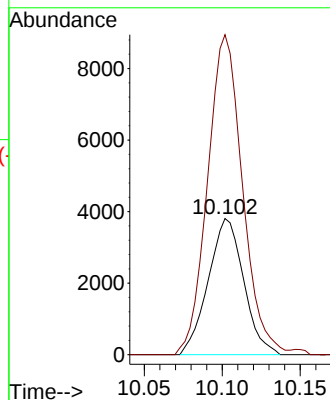
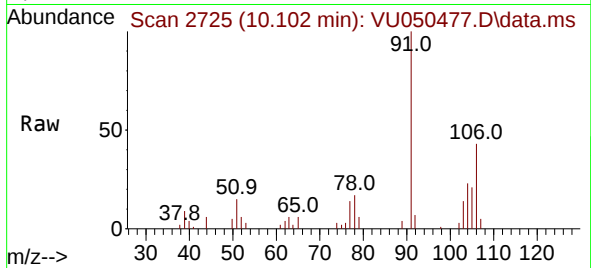




#54
o-Xylene
Concen: 1.579 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

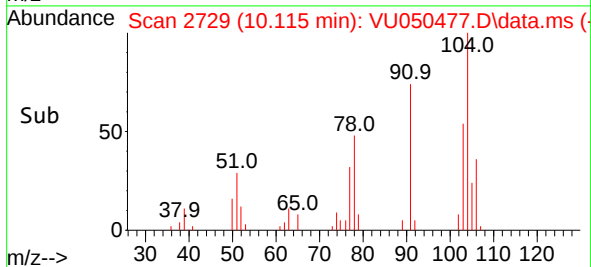
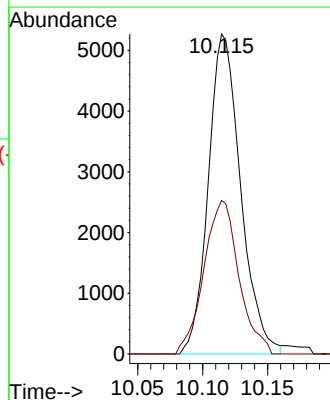
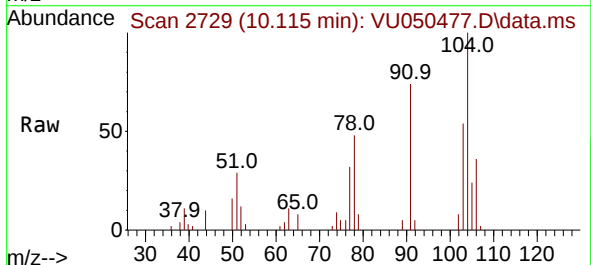
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2022-06

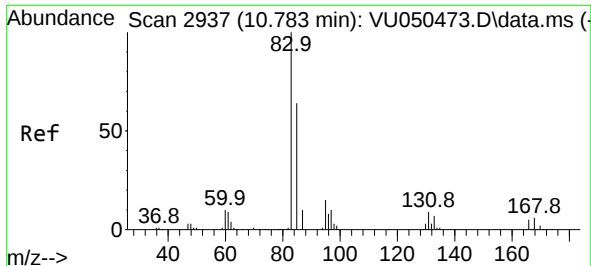
Tgt Ion:106 Resp: 6012
Ion Ratio Lower Upper
106 100
91 235.1 154.8 287.4



#55
Styrene
Concen: 1.408 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:104 Resp: 9119
Ion Ratio Lower Upper
104 100
78 48.0 31.6 58.8





#57

1,1,2,2-Tetrachloroethane

Concen: 2.259 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-06

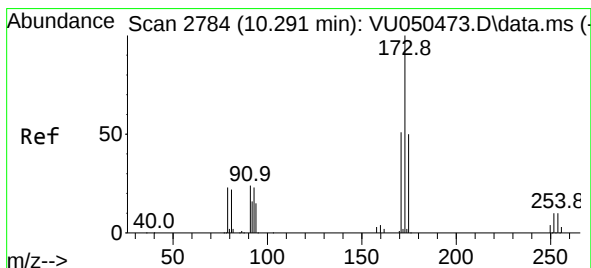
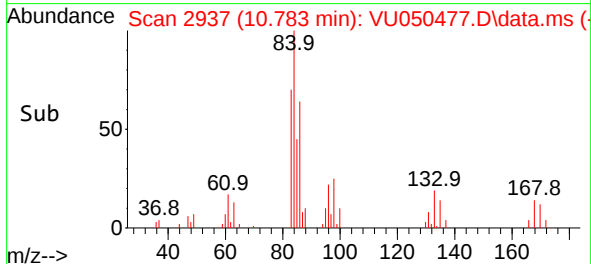
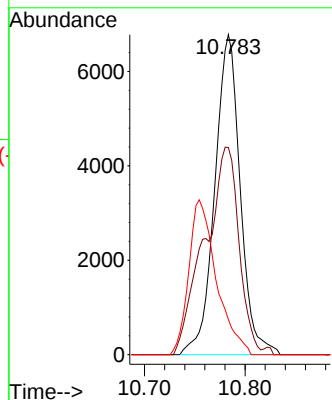
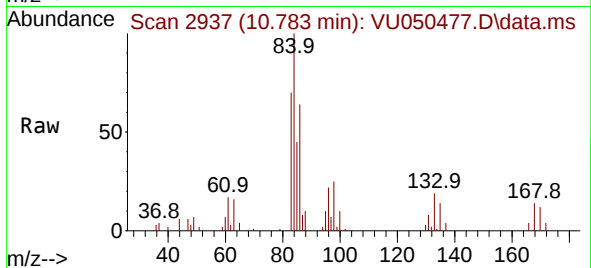
Tgt Ion: 83 Resp: 11922

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

131 11.0 7.2 10.8#



#59

Bromoform

Concen: 2.343 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

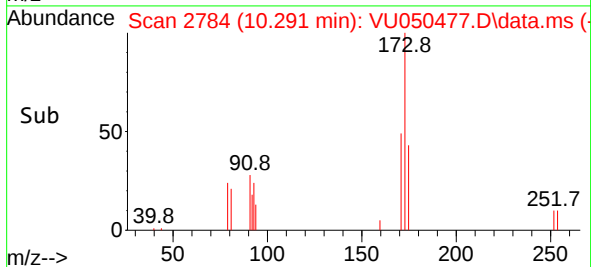
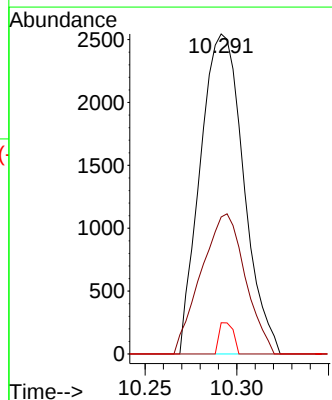
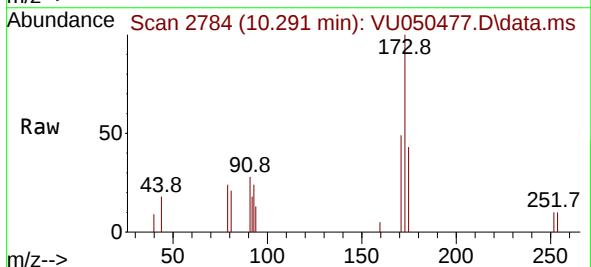
Tgt Ion:173 Resp: 4179

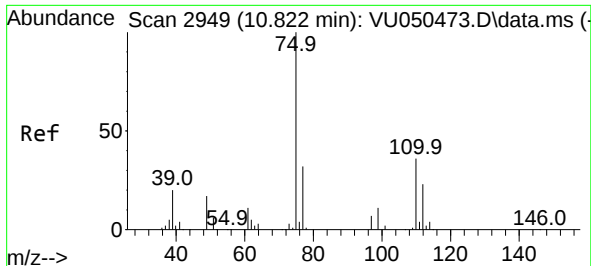
Ion Ratio Lower Upper

173 100

175 44.6 38.4 57.6

254 3.2 7.1 10.7#

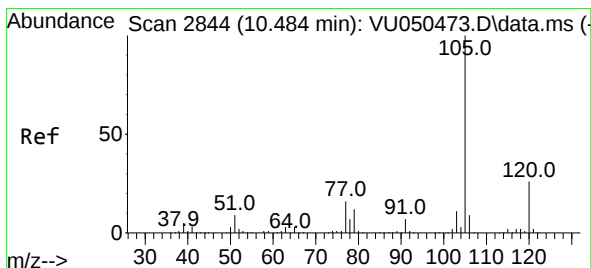
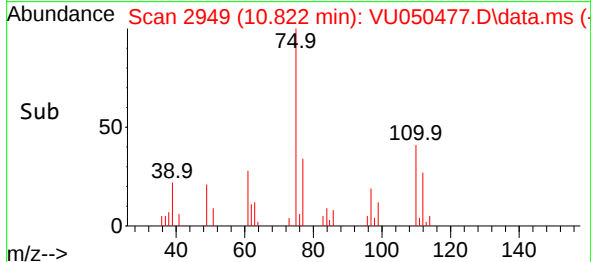
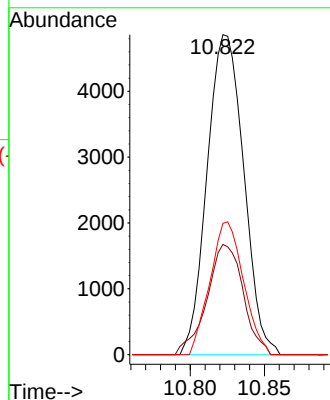
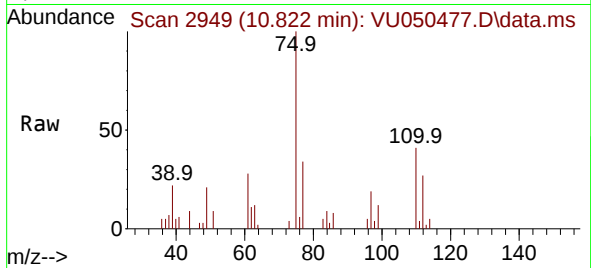




#60
1,2,3-Trichloropropane
Concen: 2.595 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

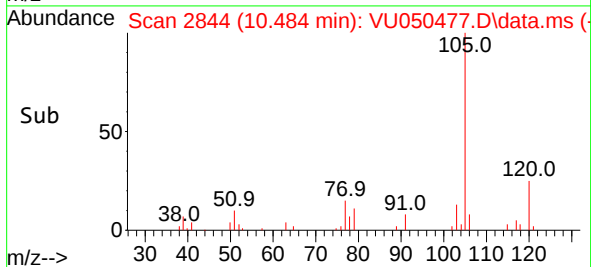
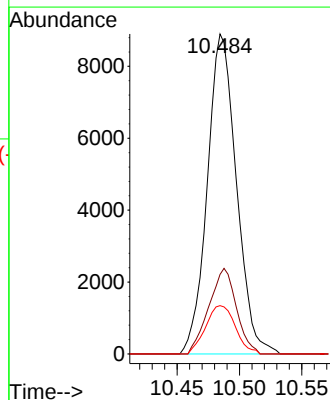
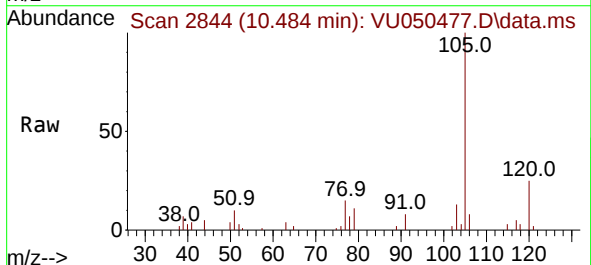
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

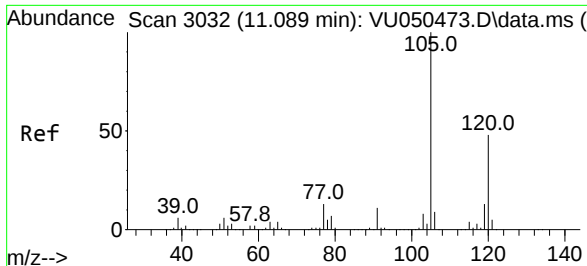
Tgt Ion:	75	Resp:	8330
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.7	38.5
110	38.0	29.0	43.4



#61
Isopropylbenzene
Concen: 1.881 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:	105	Resp:	14492
Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.7	31.1
77	15.4	12.5	18.7





#62

1,3,5-Trimethylbenzene

Concen: 1.710 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

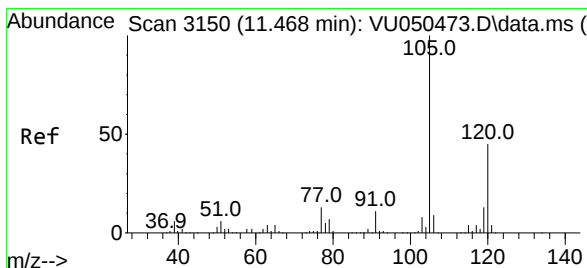
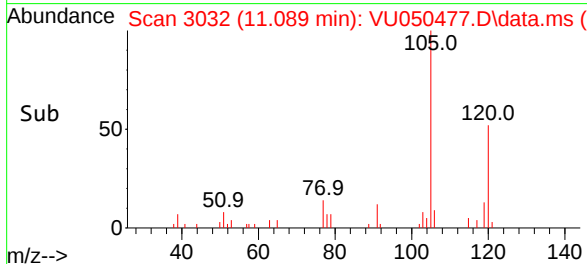
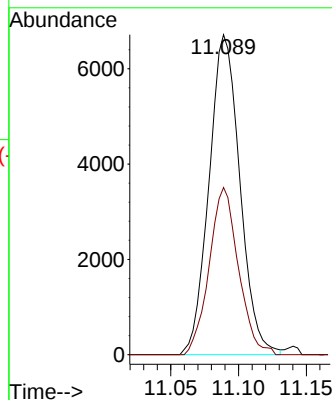
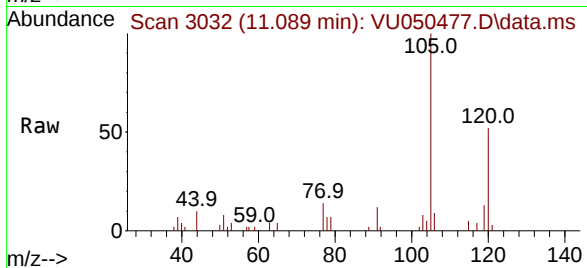
MDL-WATER-QT3-2022-06

Tgt Ion:105 Resp: 10642

Ion Ratio Lower Upper

105 100

120 49.2 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 1.635 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050477.D

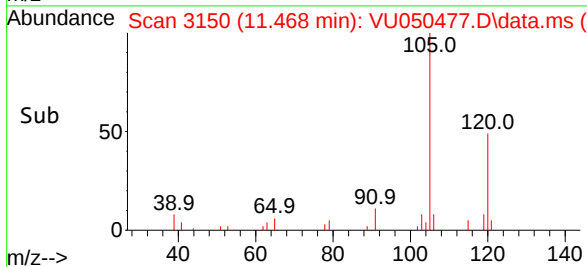
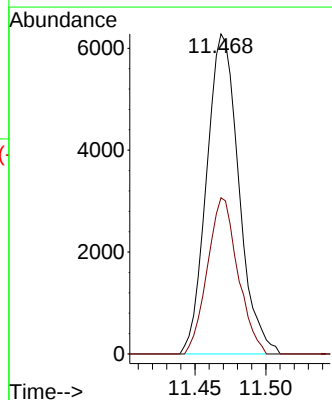
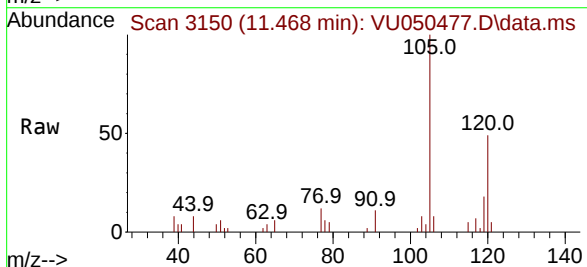
Acq: 29 Aug 2022 12:13

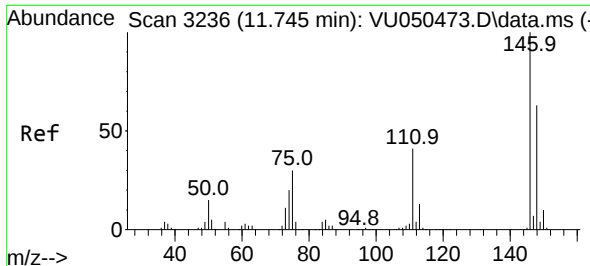
Tgt Ion:105 Resp: 9924

Ion Ratio Lower Upper

105 100

120 46.1 35.3 52.9

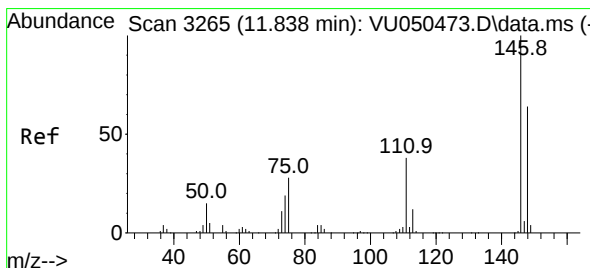
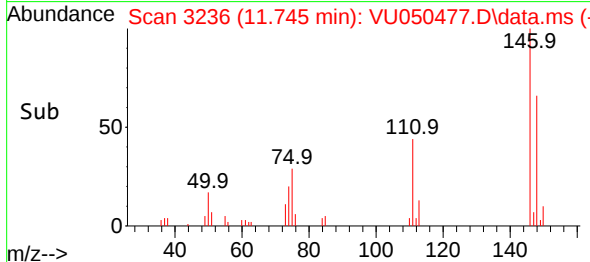
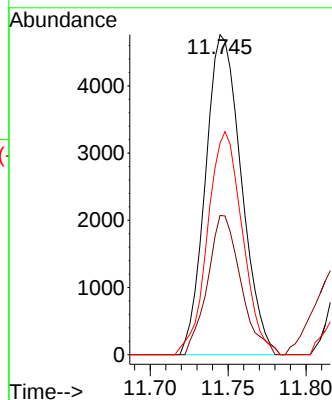
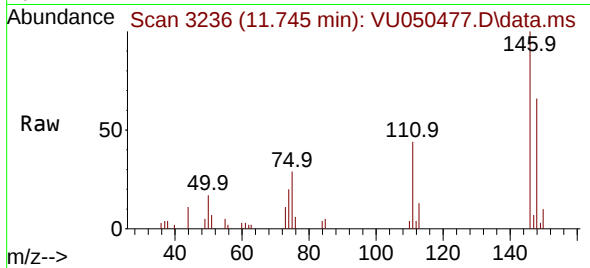




#64
1,3-Dichlorobenzene
Concen: 2.023 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

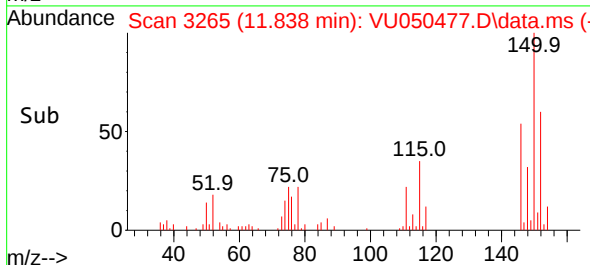
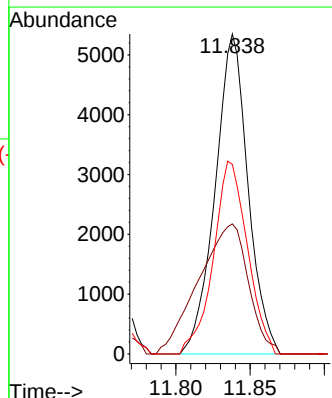
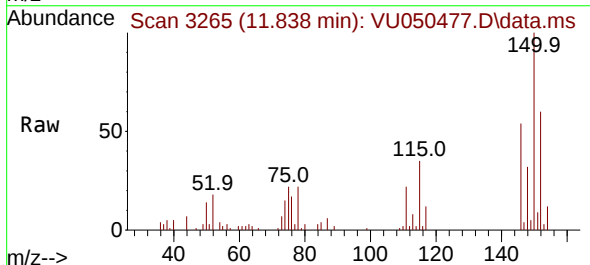
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-06

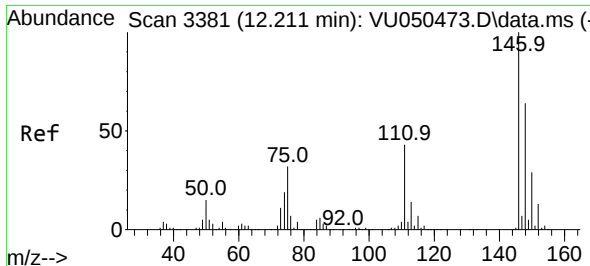
Tgt Ion:146	Resp:	7623	
Ion	Ratio	Lower	Upper
146	100		
111	43.5	28.1	52.1
148	66.1	44.2	82.0



#65
1,4-Dichlorobenzene
Concen: 2.171 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU050477.D
Acq: 29 Aug 2022 12:13

Tgt Ion:146	Resp:	8237	
Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.6	51.2
148	55.3	44.4	82.4





#67

1,2-Dichlorobenzene

Concen: 2.371 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-06

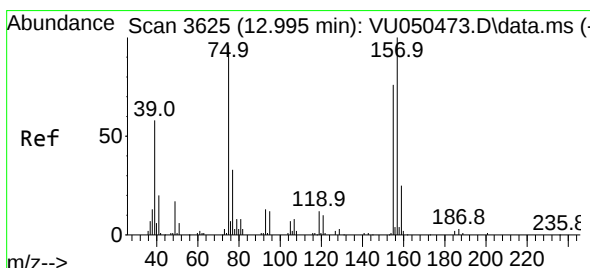
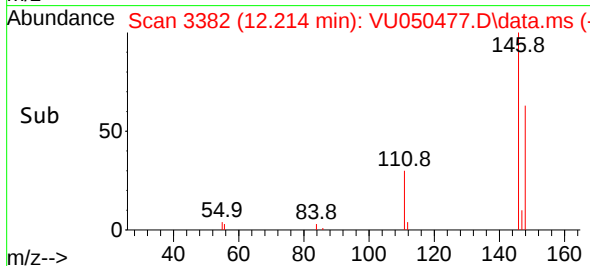
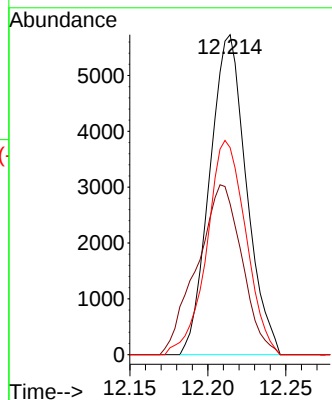
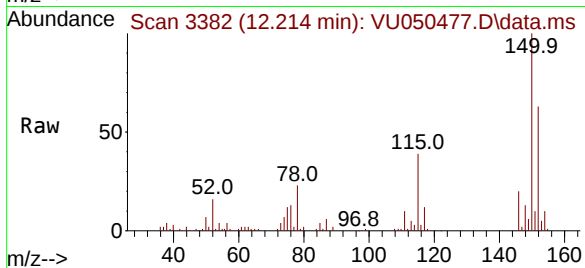
Tgt Ion:146 Resp: 9392

Ion Ratio Lower Upper

146 100

111 52.9 34.1 51.1#

148 64.7 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 2.330 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050477.D

Acq: 29 Aug 2022 12:13

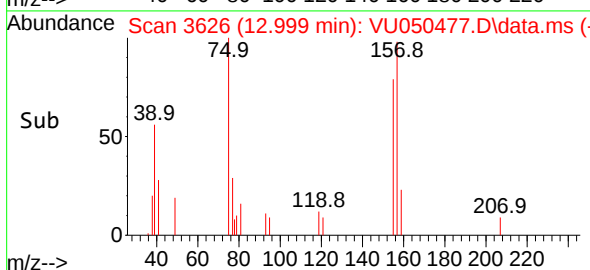
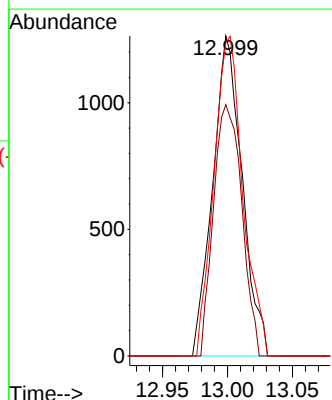
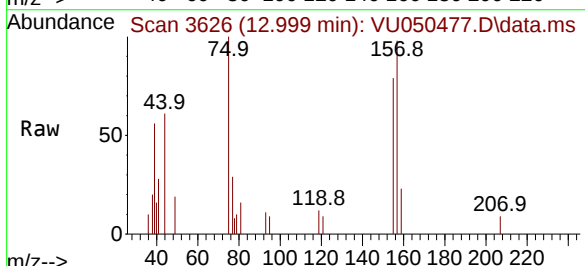
Tgt Ion: 75 Resp: 1988

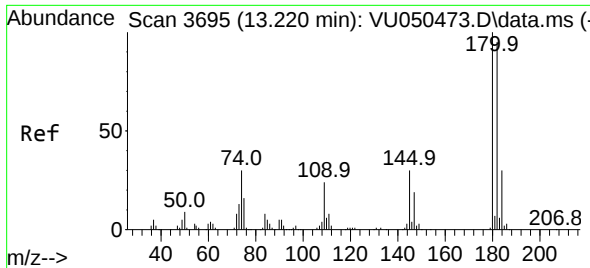
Ion Ratio Lower Upper

75 100

155 78.6 63.1 94.7

157 97.9 84.2 126.2

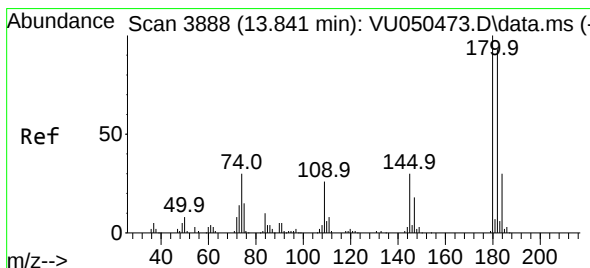
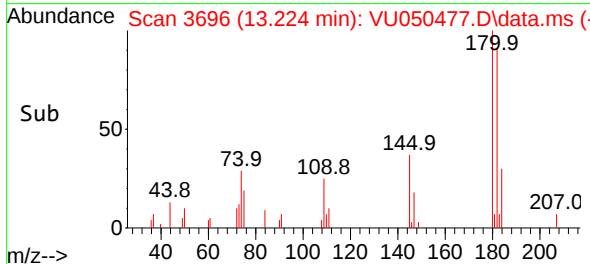
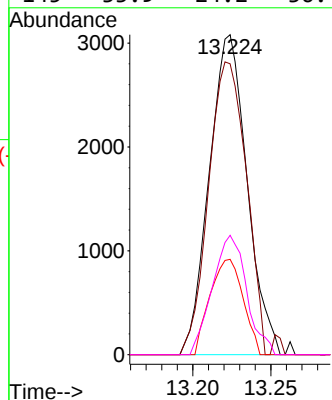
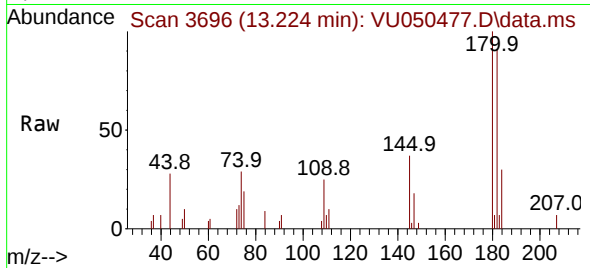




#69
 1,3,5-Trichlorobenzene
 Concen: 2.004 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.003 min
 Lab File: VU050477.D
 Acq: 29 Aug 2022 12:13

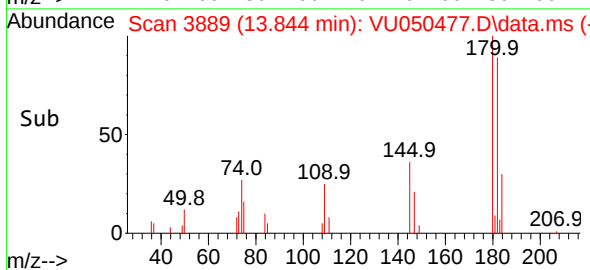
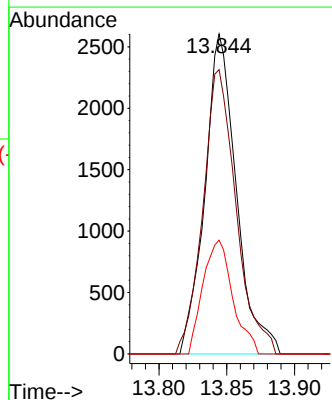
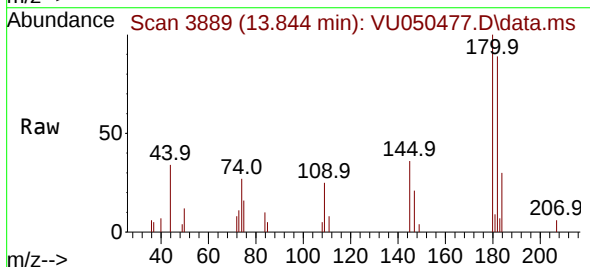
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2022-06

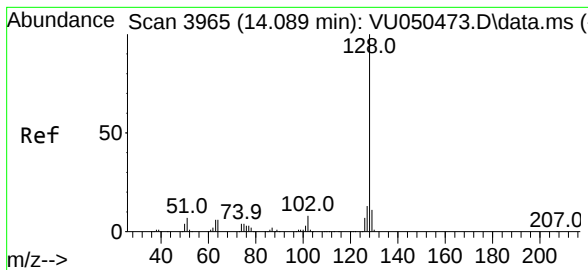
Tgt Ion:	180	Resp:	5204
Ion	Ratio	Lower	Upper
180	100		
182	91.3	77.0	115.6
184	26.1	24.1	36.1
145	33.9	24.2	36.4



#70
 1,2,4-trichlorobenzene
 Concen: 2.028 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU050477.D
 Acq: 29 Aug 2022 12:13

Tgt Ion:	180	Resp:	4218
Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.4	113.2
145	33.5	23.9	35.9





#71

Naphthalene

Concen: 1.671 ug/L

RT: 14.092 min Scan# 3966

Delta R.T. 0.003 min

Lab File: VU050477.D

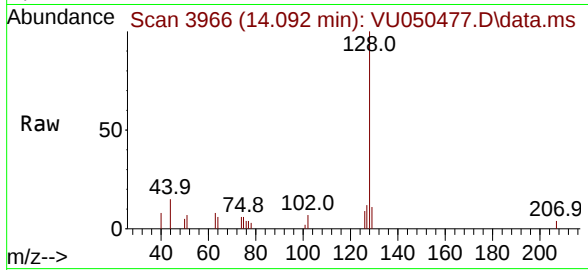
Acq: 29 Aug 2022 12:13

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-06



Tgt Ion:128 Resp: 11400

Ion Ratio Lower Upper

128 100

127 9.0 10.5 15.7#

129 10.8 8.8 13.2

