

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051452.D
 Acq On : 19 Oct 2022 12:27
 Operator : JC/MD
 Sample : N4955-09 0.25PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Quant Time: Oct 20 07:38:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 20 07:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	52517	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14803	0.804	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	18573	0.903	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	9476	0.517	ug/l	92
3) Chloromethane	1.533	50	14280	0.494	ug/l	97
4) Vinyl Chloride	1.604	62	11887	0.475	ug/l	96
5) Bromomethane	1.858	94	8541	0.612	ug/l	93
6) Chloroethane	1.935	64	7073	0.496	ug/l	99
7) Trichlorofluoromethane	2.138	101	13850	0.496	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	7801	0.506	ug/l	95
9) 1,1-Dichloroethene	2.581	96	8657	0.537	ug/l	92
10) Iodomethane	2.723	142	10103	0.484	ug/l	90
11) Allyl Chloride	2.922	41	11456	0.466	ug/l	# 83
12) Acrylonitrile	3.324	53	5484	1.156	ug/l	# 94
13) Acetone	2.646	43	9969	2.919	ug/l	93
14) Carbon Disulfide	2.794	76	29281	0.510	ug/l	99
15) Methylene Chloride	3.044	84	19173	0.812	ug/l	96
16) trans-1,2-Dichloroethene	3.347	96	9656	0.522	ug/l	93
17) 1,1-Dichloroethane	3.867	63	16718	0.503	ug/l	100
18) 2-Butanone	4.736	43	10001	2.413	ug/l	89
19) Cyclohexane	5.388	56	7365	0.358	ug/l	88
20) Methylcyclohexane	6.764	83	7095	0.347	ug/l	95
21) 2,2-Dichloropropane	4.662	77	11101	0.478	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	8802	0.503	ug/l	91
23) Diethyl Ether	2.379	59	7229	0.514	ug/l	91
24) tert-Butyl Alcohol	3.231	59	7099	4.810	ug/l	# 85
25) Methyl tert-Butyl Ether	3.366	73	21803	0.520	ug/l	95
26) Bromochloromethane	4.973	128	4102	0.481	ug/l	96
27) Chloroform	5.086	83	16962	0.504	ug/l	96
28) 1,1,1-Trichloroethane	5.318	97	13407	0.499	ug/l	94
29) 1,1-Dichloropropene	5.523	75	8776	0.427	ug/l	95
30) Carbon Tetrachloride	5.520	117	11103	0.490	ug/l	94
31) Isopropyl Ether	3.996	45	18323	0.466	ug/l	90
32) Ethyl-t-butyl ether	4.504	59	15881	0.443	ug/l	98
33) Tert-Amyl methyl ether	5.945	73	13109	0.416	ug/l	99
34) Propionitrile	4.813	54	3238	2.324	ug/l	# 90
35) Benzene	5.774	78	30478	0.441	ug/l	100
36) 1,2-Dichloroethane	5.800	62	10886	0.511	ug/l	95
37) Trichloroethene	6.543	130	7336	0.453	ug/l	92
38) 1,2-Dichloropropane	6.793	63	9022	0.476	ug/l	98
39) Methacrylonitrile	4.986	41	2226	0.468	ug/l	# 79
40) Methyl acrylate	4.861	55	3200	0.421	ug/l	# 71
41) Tetrahydrofuran	5.076	42	2209	0.883	ug/l	92
42) 1-Chlorobutane	5.459	56	12047	0.429	ug/l	90
43) Dibromomethane	6.922	93	4177	0.425	ug/l	89
44) Bromodichloromethane	7.105	83	10942	0.460	ug/l	99

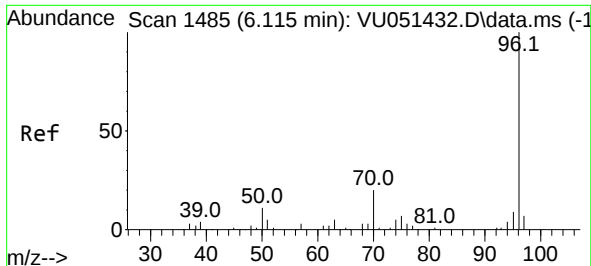
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 20 07:37:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	18545	1.982	ug/l	92
46) t-1,4-Dichloro-2-butene	10.832	75	9159	1.754	ug/l #	48
47) Methyl methacrylate	6.964	69	5634	0.750	ug/l	95
48) Ethyl methacrylate	8.337	69	4592	0.365	ug/l	87
49) Toluene	7.970	92	13280	0.351	ug/l	90
50) t-1,3-Dichloropropene	8.215	75	7949	0.416	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	9932	0.440	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	7053	0.503	ug/l	88
53) 1,3-Dichloropropane	8.578	76	9791	0.433	ug/l	99
54) 2-Hexanone	8.690	43	11934	1.855	ug/l	97
55) Dibromochloromethane	8.809	129	6637	0.435	ug/l	96
56) 1,2-Dibromoethane	8.928	107	5619	0.455	ug/l	95
58) Tetrachloroethene	8.552	164	5813	0.412	ug/l	93
59) Chlorobenzene	9.449	112	17046	0.410	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	7268	0.456	ug/l	98
61) Pentachloroethane	11.423	117	6027	0.425	ug/l	92
62) Hexachloroethane	12.472	117	5231	0.388	ug/l	95
63) Ethyl Benzene	9.568	91	21022	0.334	ug/l	97
64) m/p-Xylenes	9.694	106	14999	0.597	ug/l	99
65) o-Xylene	10.102	106	7375	0.302	ug/l	95
66) Styrene	10.115	104	11861	0.293	ug/l	98
67) Bromoform	10.292	173	4104	0.479	ug/l #	84
69) Isopropylbenzene	10.481	105	18232	0.303	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	8406	0.443	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	9159	0.649	ug/l #	52
72) Bromobenzene	10.784	156	6015	0.364	ug/l	94
73) n-propylbenzene	10.906	120	4693	0.277	ug/l	97
74) 2-Chlorotoluene	10.986	126	4936	0.307	ug/l	100
75) 1,3,5-Trimethylbenzene	11.089	105	14557	0.267	ug/l	99
76) 4-Chlorotoluene	11.099	126	4695	0.285	ug/l	93
77) tert-Butylbenzene	11.420	119	16438	0.309	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	13973	0.246	ug/l	95
79) sec-Butylbenzene	11.642	105	18683	0.265	ug/l	98
80) Nitrobenzene	13.211	77	1715	1.825	ug/l #	90
81) p-Isopropyltoluene	11.793	119	13617	0.241	ug/l	96
82) 1,3-Dichlorobenzene	11.745	146	12091	0.341	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	12437	0.358	ug/l	94
84) n-Butylbenzene	12.211	91	14154	0.253	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	12281	0.351	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1153	0.388	ug/l	91
87) 1,2,4-Trichlorobenzene	13.845	180	6116	0.323	ug/l	96
88) Hexachlorobutadiene	14.021	225	4628	0.375	ug/l	100
89) Naphthalene	14.092	128	12226	0.308	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.330	180	6413	0.309	ug/l	92

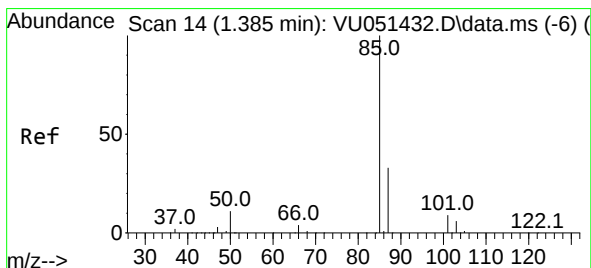
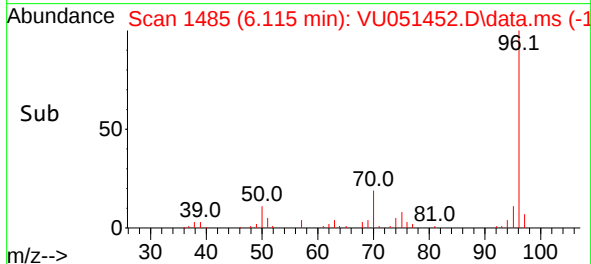
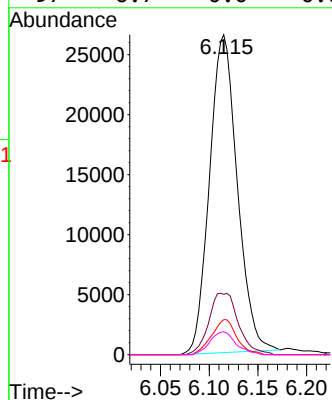
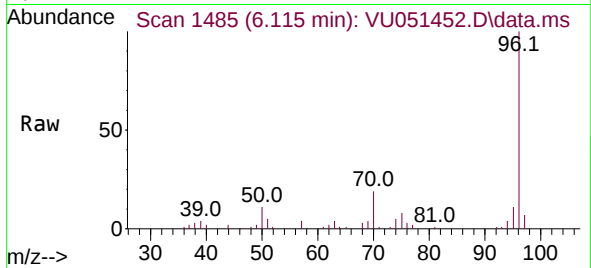
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#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

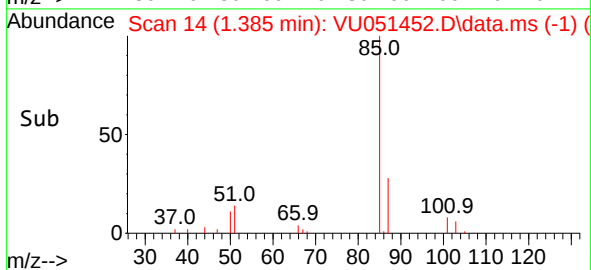
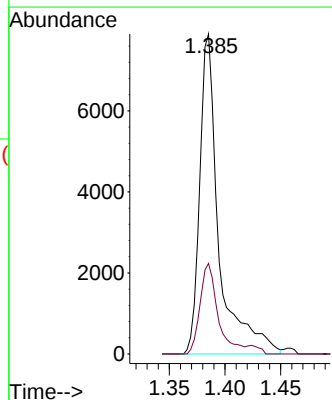
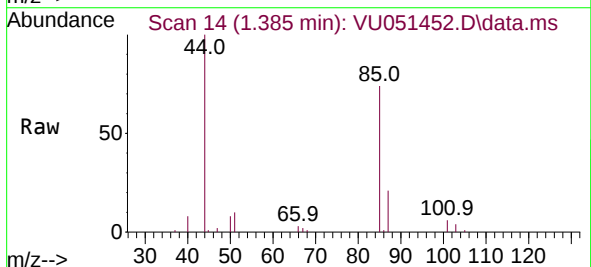
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

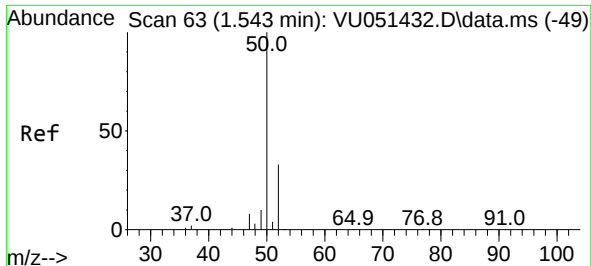
Tgt Ion: 96	Resp: 52517
Ion Ratio	Lower Upper
96 100	
70 20.6	16.7 25.1
95 10.0	7.5 11.3
97 6.7	0.0 0.0



#2
Dichlorodifluoromethane
Concen: 0.517 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 85	Resp: 9476
Ion Ratio	Lower Upper
85 100	
87 28.3	16.4 49.4

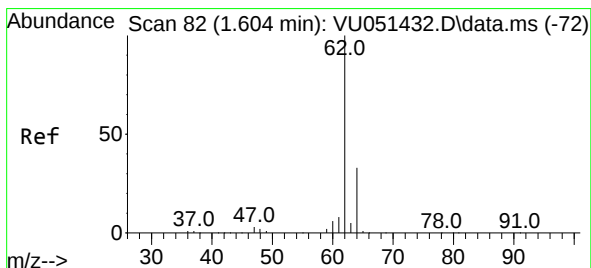
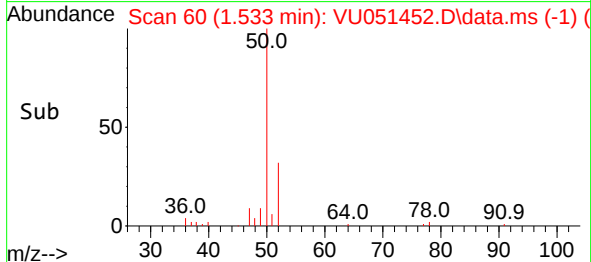
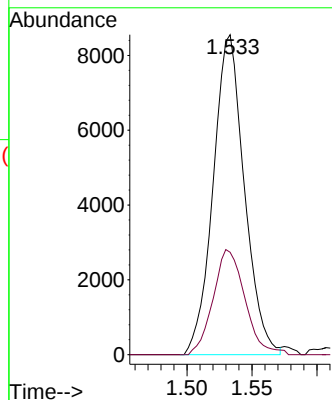
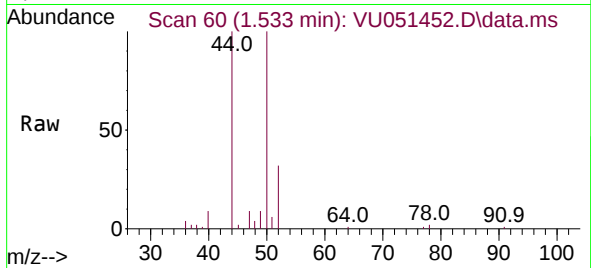




#3
Chloromethane
Concen: 0.494 ug/l
RT: 1.533 min Scan# 60
Delta R.T. -0.010 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

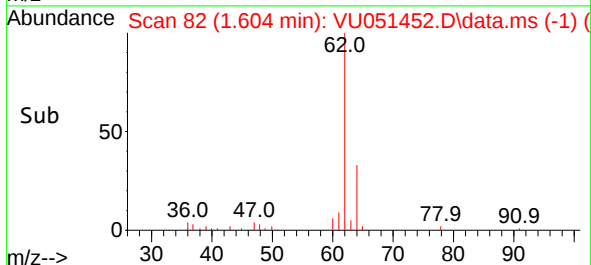
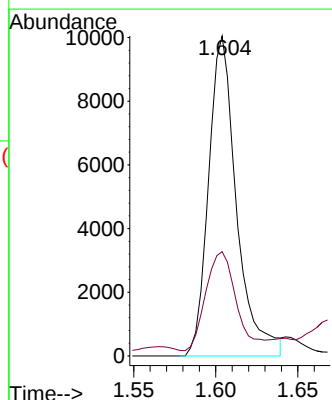
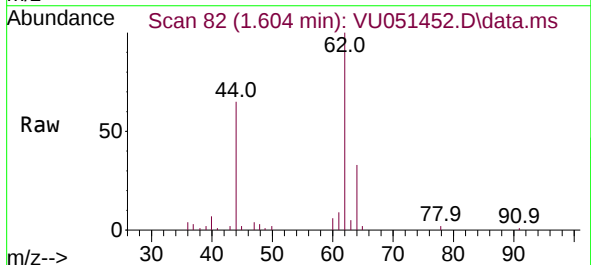
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

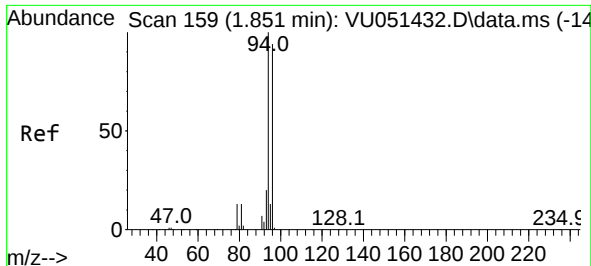
Tgt Ion: 50 Resp: 14280
Ion Ratio Lower Upper
50 100
52 32.0 26.7 40.1



#4
Vinyl Chloride
Concen: 0.475 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 62 Resp: 11887
Ion Ratio Lower Upper
62 100
64 30.9 26.7 40.1

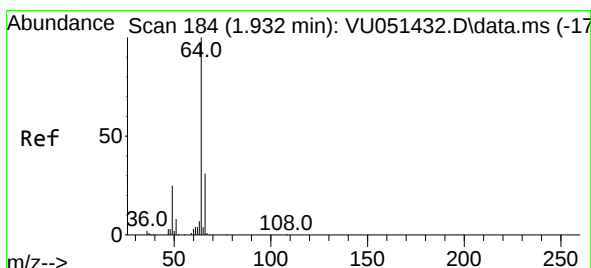
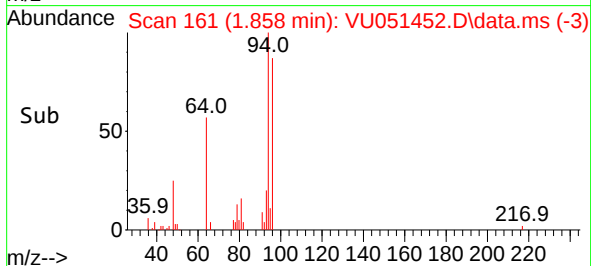
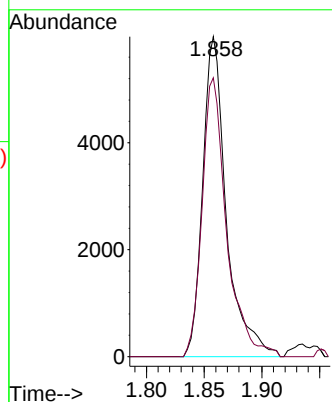
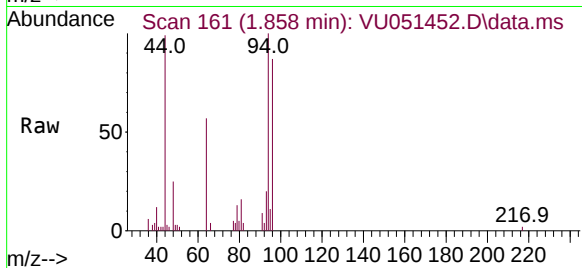




#5
Bromomethane
Concen: 0.612 ug/l
RT: 1.858 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

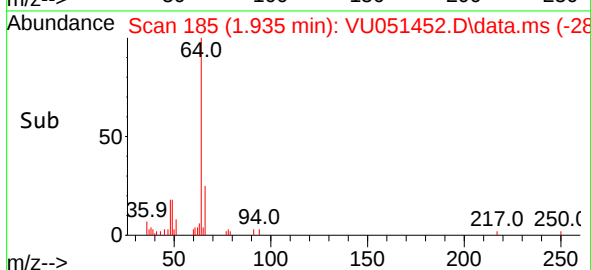
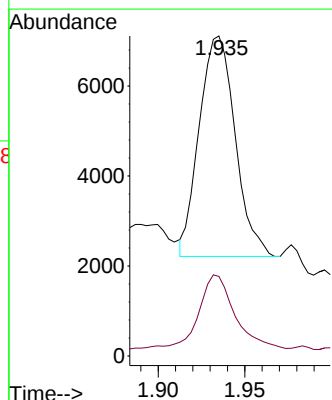
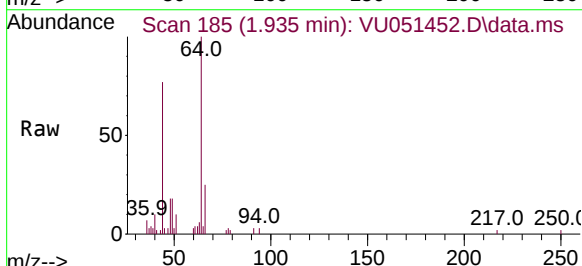
Instrument :
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ClientSampleId :
MDL-WATER-03-QT4-2022

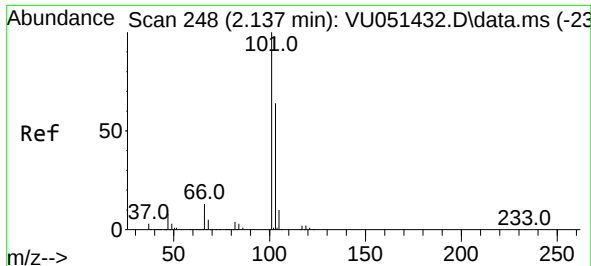
Tgt Ion: 94 Resp: 8541
Ion Ratio Lower Upper
94 100
96 87.1 74.8 112.2



#6
Chloroethane
Concen: 0.496 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 64 Resp: 7073
Ion Ratio Lower Upper
64 100
66 32.0 25.2 37.8

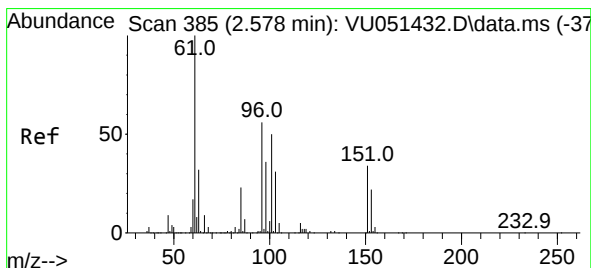
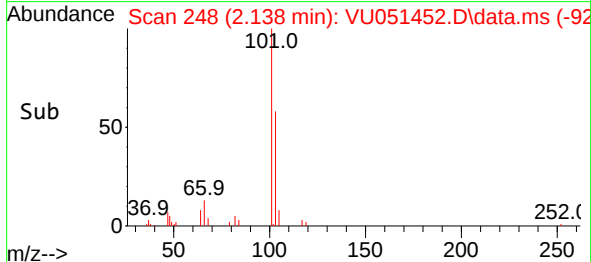
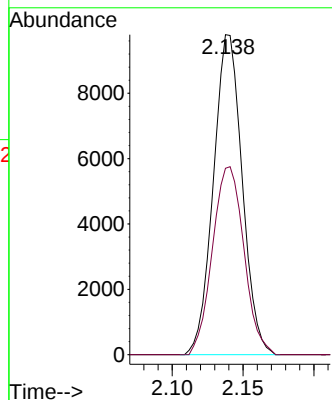
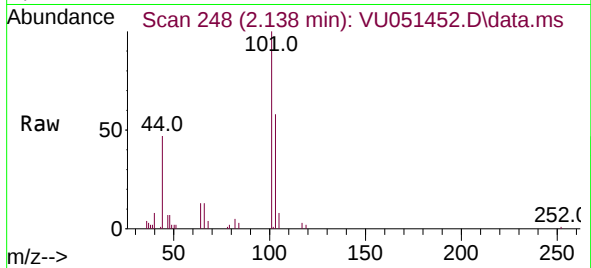




#7
 Trichlorofluoromethane
 Concen: 0.496 ug/l
 RT: 2.138 min Scan# 248
 Delta R.T. 0.000 min
 Lab File: VU051452.D
 Acq: 19 Oct 2022 12:27

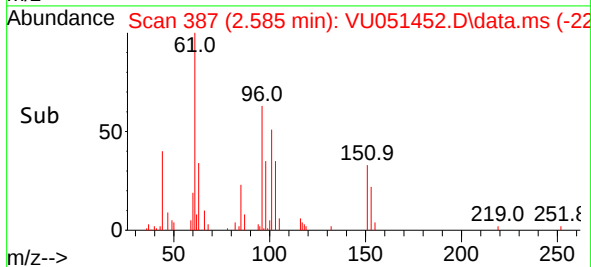
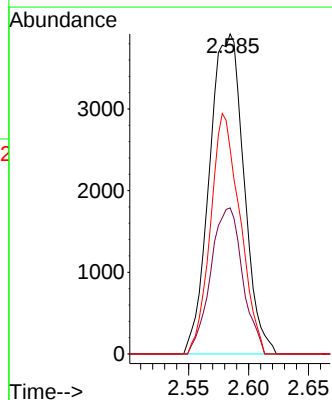
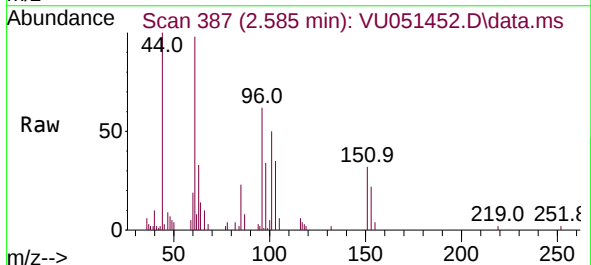
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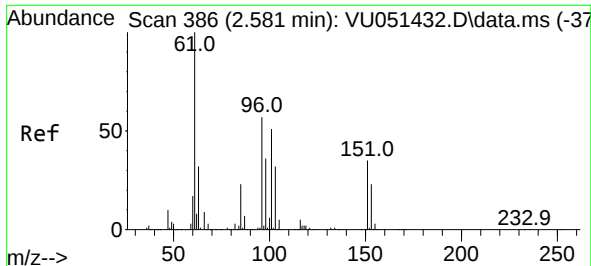
Tgt Ion:101 Resp: 13850
 Ion Ratio Lower Upper
 101 100
 103 58.3 51.4 77.2



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.506 ug/l
 RT: 2.585 min Scan# 387
 Delta R.T. 0.007 min
 Lab File: VU051452.D
 Acq: 19 Oct 2022 12:27

Tgt Ion:101 Resp: 7801
 Ion Ratio Lower Upper
 101 100
 85 42.3 36.6 54.8
 151 64.3 54.6 81.8

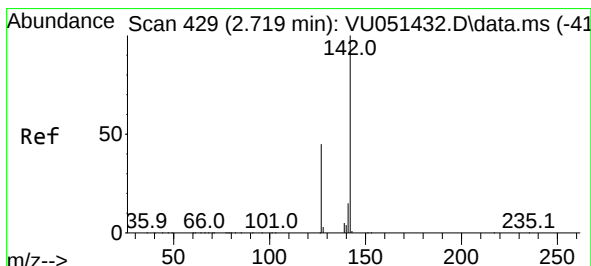
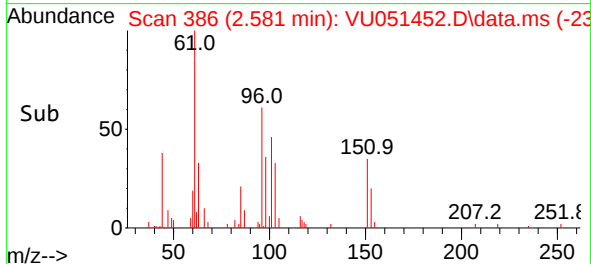
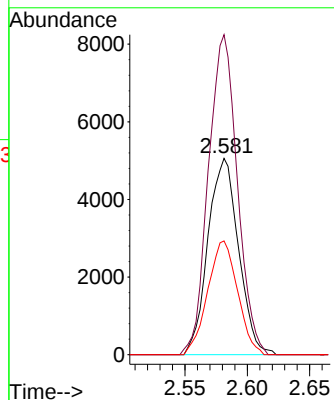
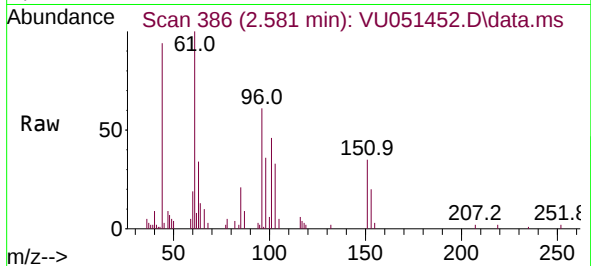




#9
1,1-Dichloroethene
Concen: 0.537 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

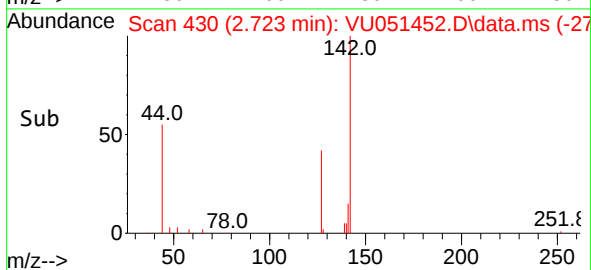
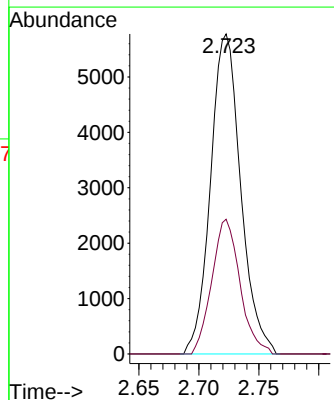
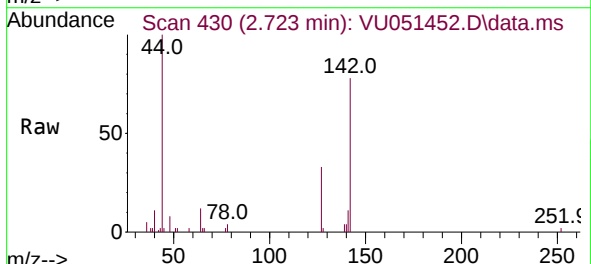
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

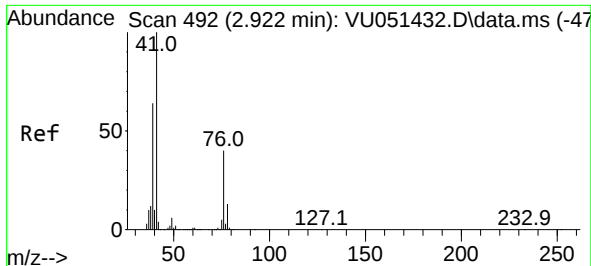
Tgt Ion: 96 Resp: 8657
Ion Ratio Lower Upper
96 100
61 163.0 0.0 522.3
98 57.9 0.0 126.6



#10
Iodomethane
Concen: 0.484 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.004 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 142 Resp: 10103
Ion Ratio Lower Upper
142 100
127 39.3 37.0 55.4





#11

Allyl Chloride

Concen: 0.466 ug/l

RT: 2.922 min Scan# 492

Delta R.T. 0.000 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

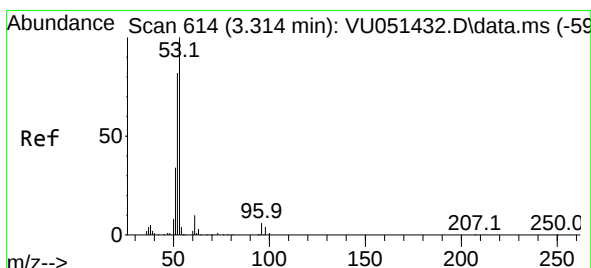
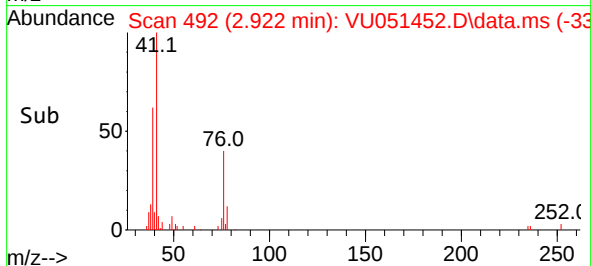
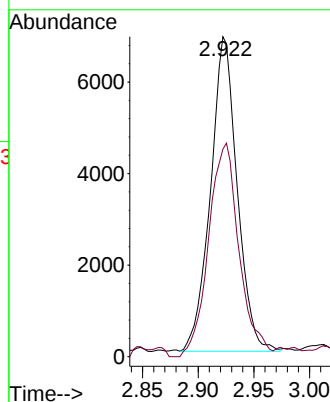
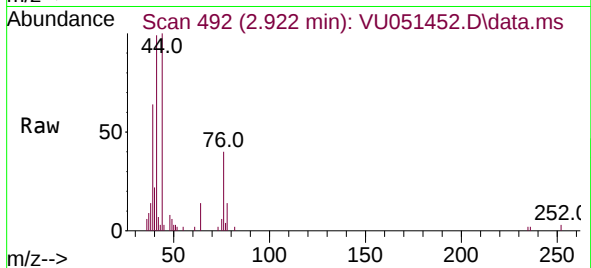
MDL-WATER-03-QT4-2022

Tgt Ion: 41 Resp: 11456

Ion Ratio Lower Upper

41 100

39 77.5 51.4 77.0#



#12

Acrylonitrile

Concen: 1.156 ug/l

RT: 3.324 min Scan# 617

Delta R.T. 0.010 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

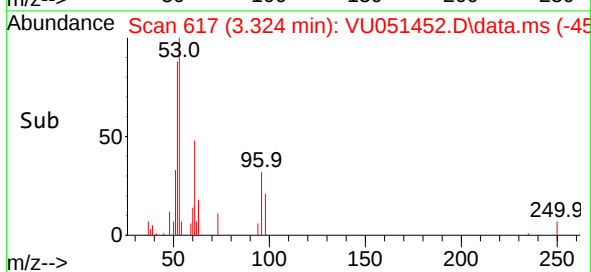
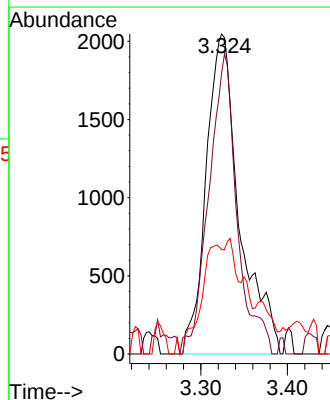
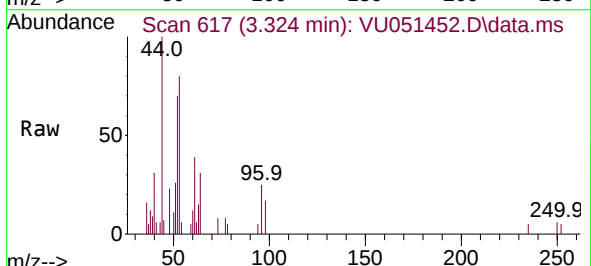
Tgt Ion: 53 Resp: 5484

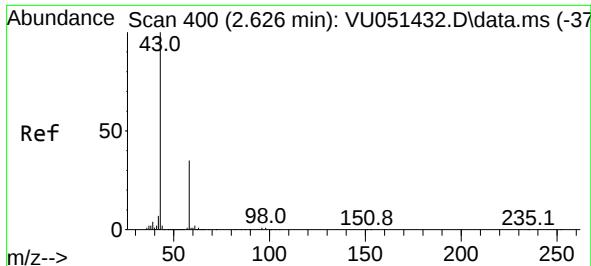
Ion Ratio Lower Upper

53 100

52 79.5 63.9 95.9

51 21.2 25.9 38.9#





#13

Acetone

Concen: 2.919 ug/l

RT: 2.646 min Scan# 406

Delta R.T. 0.019 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

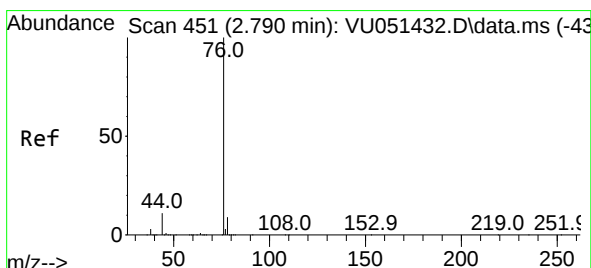
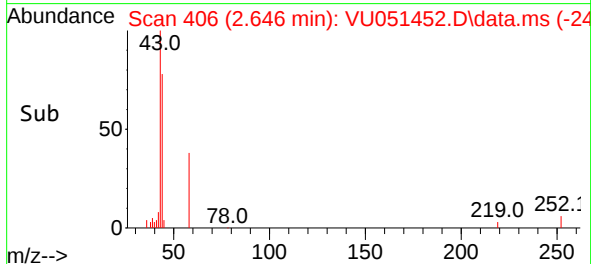
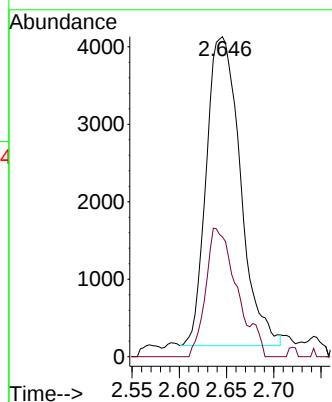
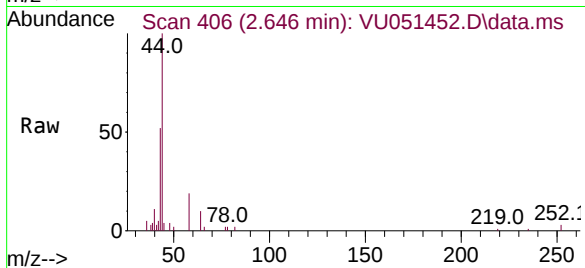
MDL-WATER-03-QT4-2022

Tgt Ion: 43 Resp: 9969

Ion Ratio Lower Upper

43 100

58 38.7 27.9 41.9



#14

Carbon Disulfide

Concen: 0.510 ug/l

RT: 2.794 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU051452.D

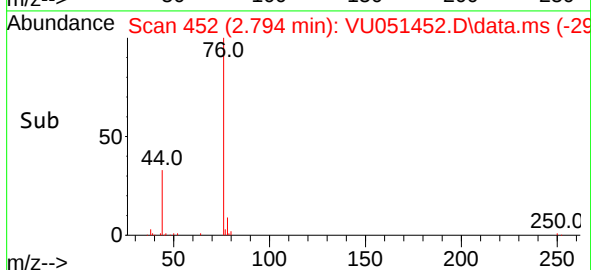
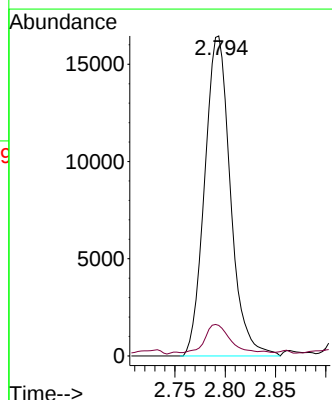
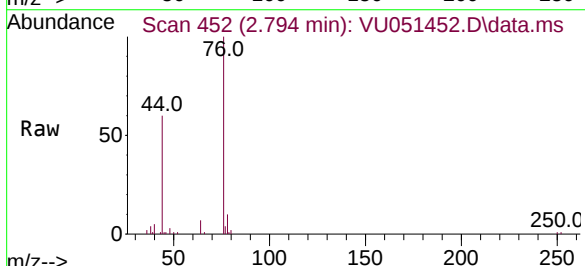
Acq: 19 Oct 2022 12:27

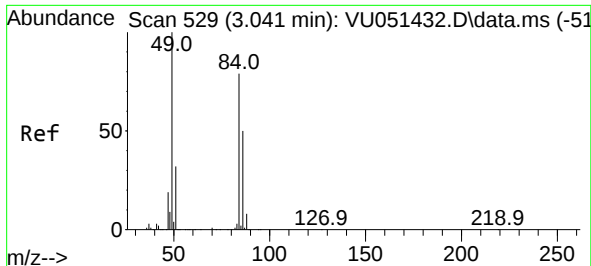
Tgt Ion: 76 Resp: 29281

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



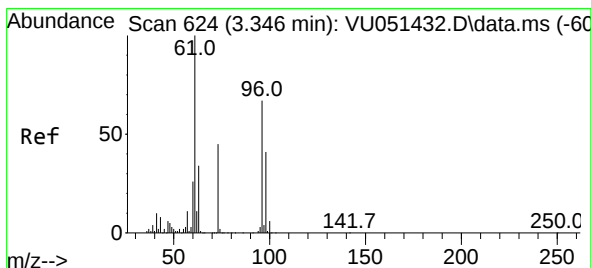
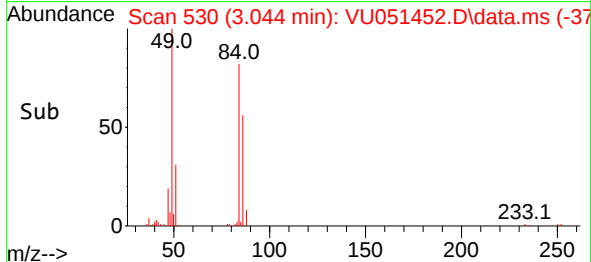
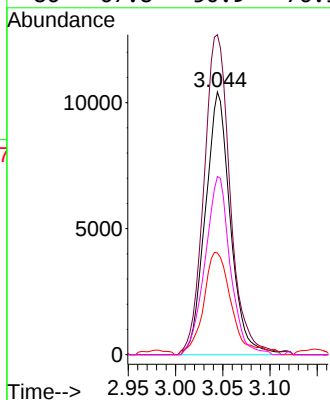
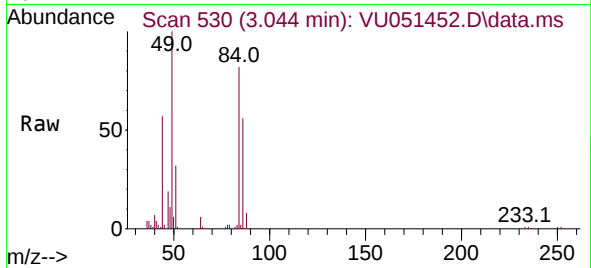


#15
Methylene Chloride
Concen: 0.812 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 84 Resp: 19173

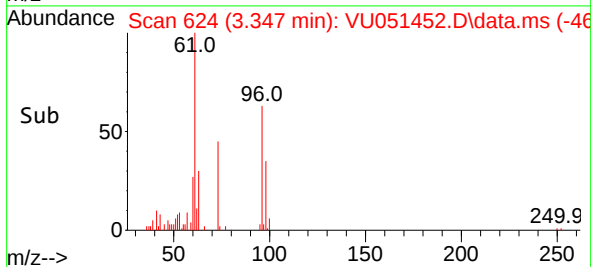
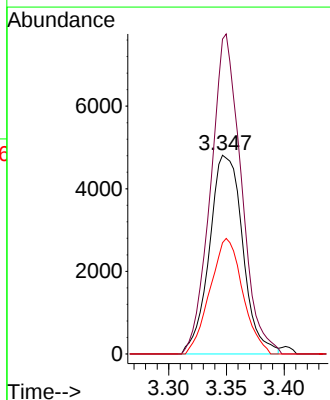
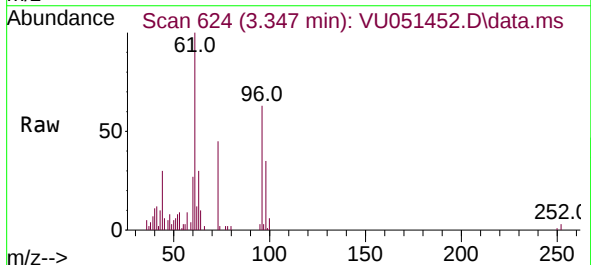
Ion	Ratio	Lower	Upper
84	100		
49	121.8	101.1	151.7
51	38.8	0.0	80.2
86	67.8	50.9	76.3

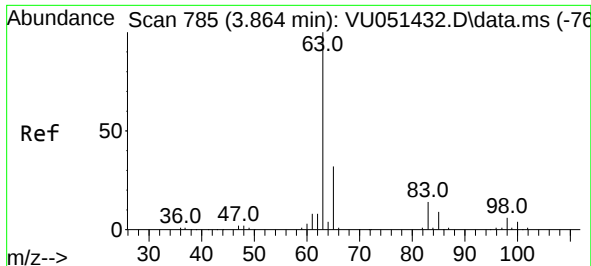


#16
trans-1,2-Dichloroethene
Concen: 0.522 ug/l
RT: 3.347 min Scan# 624
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 96 Resp: 9656

Ion	Ratio	Lower	Upper
96	100		
61	158.4	119.9	179.9
98	56.0	49.5	74.3





#17

1,1-Dichloroethane

Concen: 0.503 ug/l

RT: 3.867 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

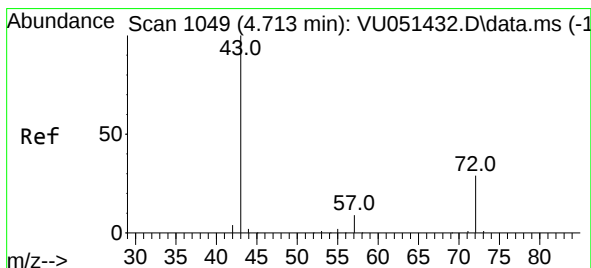
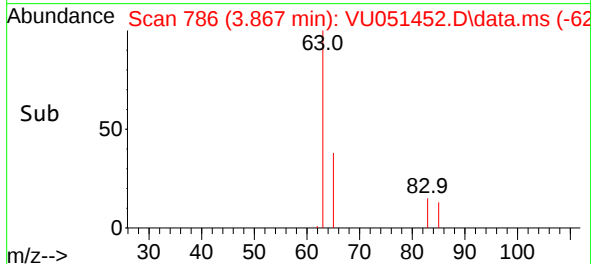
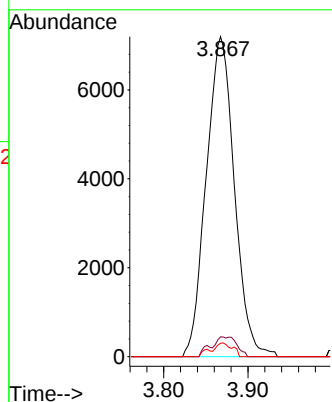
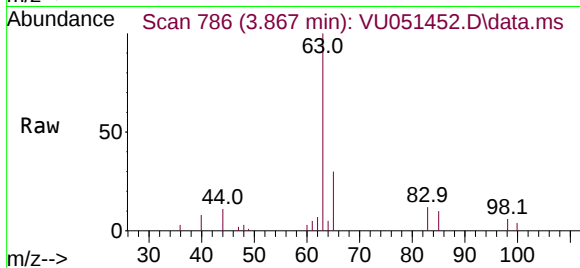
Tgt Ion: 63 Resp: 16718

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.2 2.1 6.3



#18

2-Butanone

Concen: 2.413 ug/l

RT: 4.736 min Scan# 1056

Delta R.T. 0.023 min

Lab File: VU051452.D

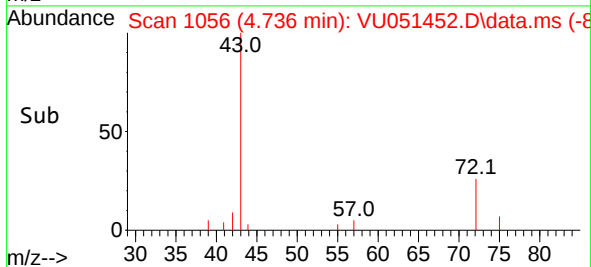
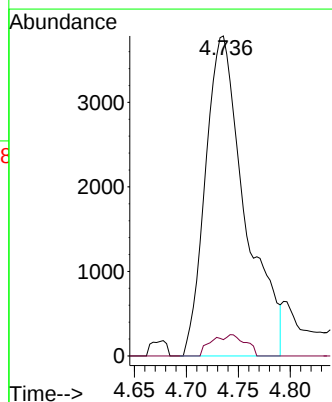
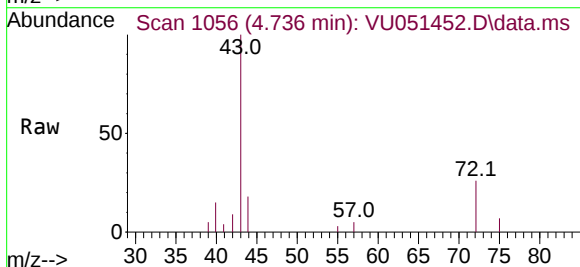
Acq: 19 Oct 2022 12:27

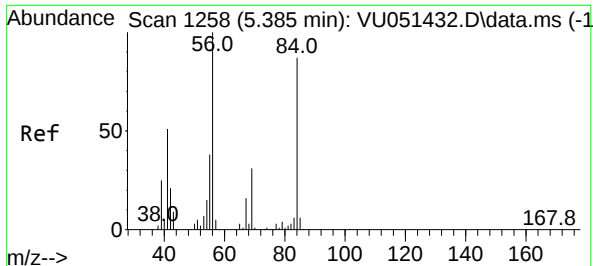
Tgt Ion: 43 Resp: 10001

Ion Ratio Lower Upper

43 100

57 5.1 0.0 18.2





#19

Cyclohexane

Concen: 0.358 ug/l

RT: 5.388 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

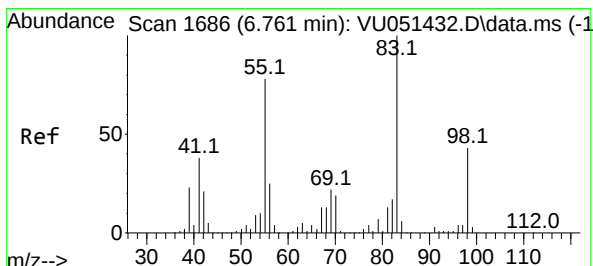
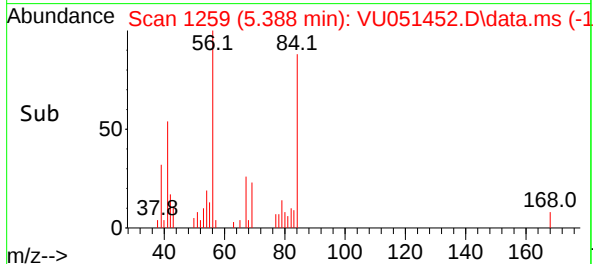
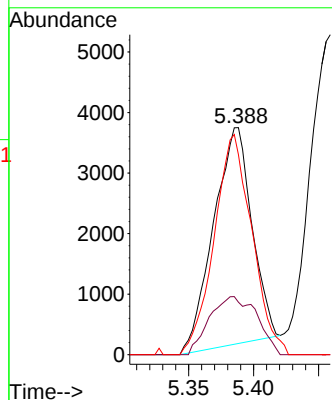
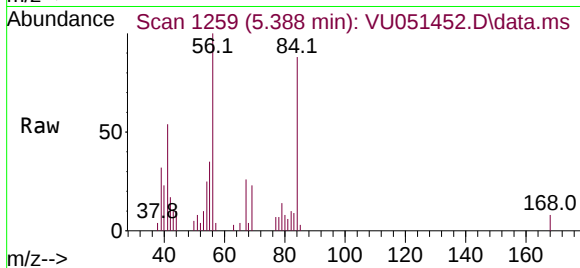
Tgt Ion: 56 Resp: 7365

Ion Ratio Lower Upper

56 100

69 33.1 25.0 37.4

84 100.0 68.5 102.7



#20

Methylcyclohexane

Concen: 0.347 ug/l

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

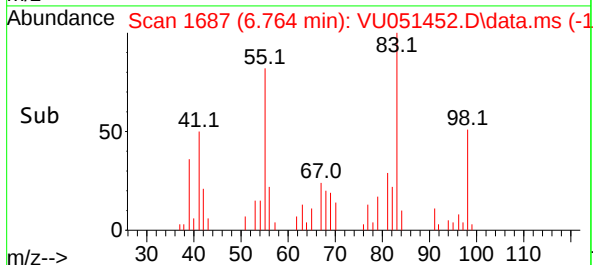
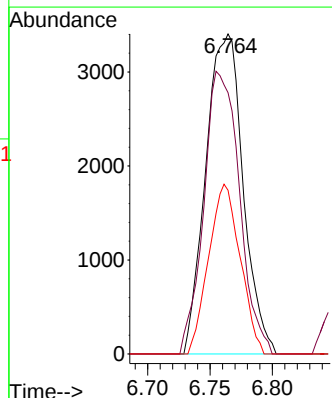
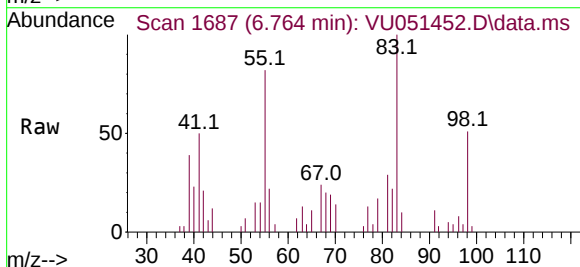
Tgt Ion: 83 Resp: 7095

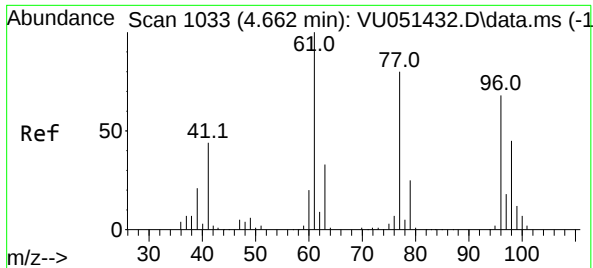
Ion Ratio Lower Upper

83 100

55 84.5 62.4 93.6

98 44.8 35.5 53.3





#21

2,2-Dichloropropane

Concen: 0.478 ug/l

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

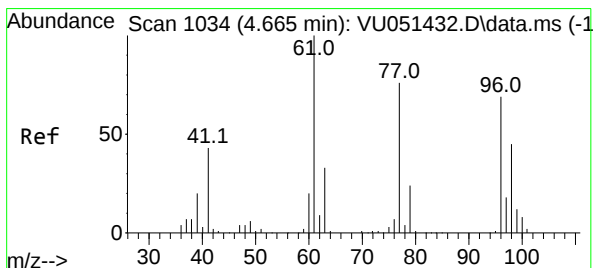
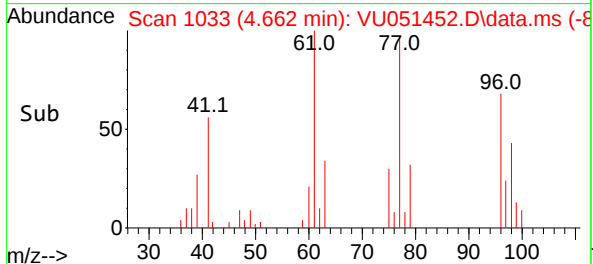
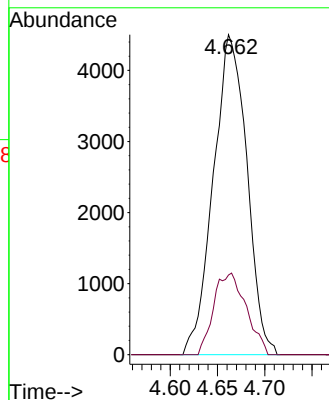
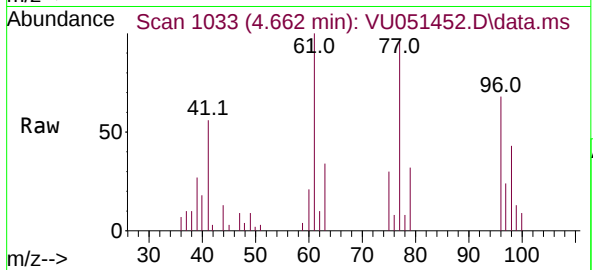
MDL-WATER-03-QT4-2022

Tgt Ion: 77 Resp: 11101

Ion Ratio Lower Upper

77 100

97 24.6 19.0 28.6



#22

cis-1,2-Dichloroethene

Concen: 0.503 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

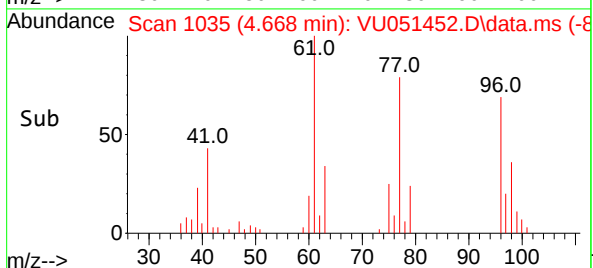
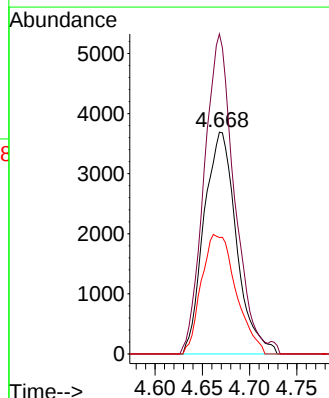
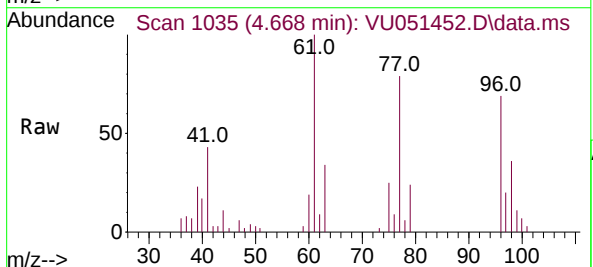
Tgt Ion: 96 Resp: 8802

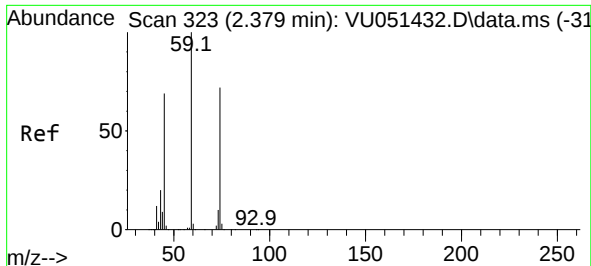
Ion Ratio Lower Upper

96 100

61 133.9 0.0 362.8

98 57.4 32.5 97.5

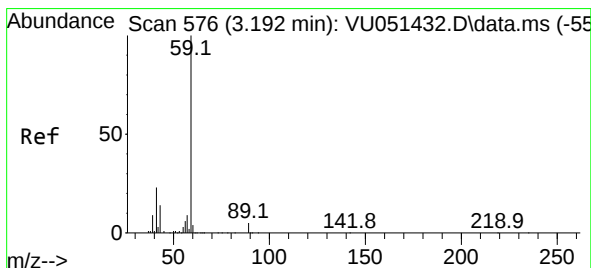
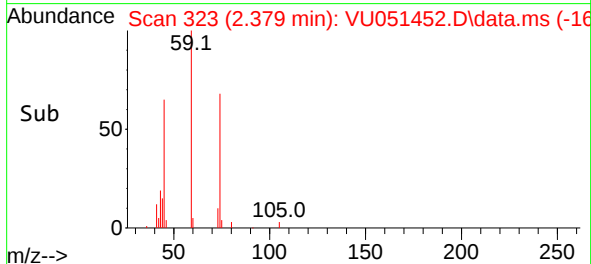
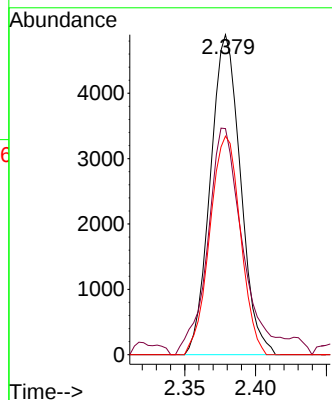
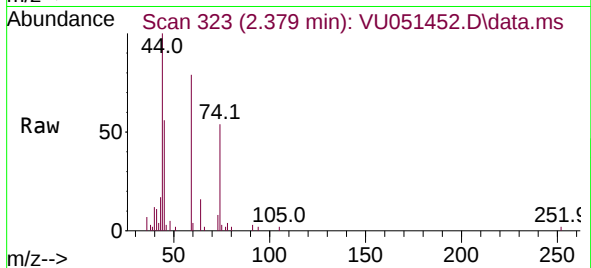




#23
Diethyl Ether
Concen: 0.514 ug/l
RT: 2.379 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

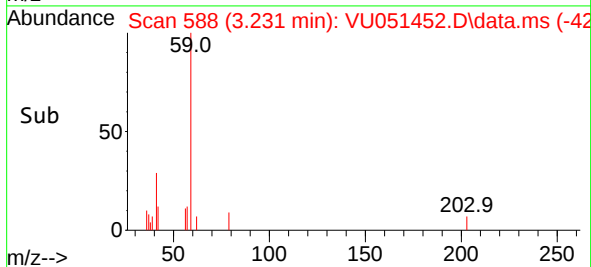
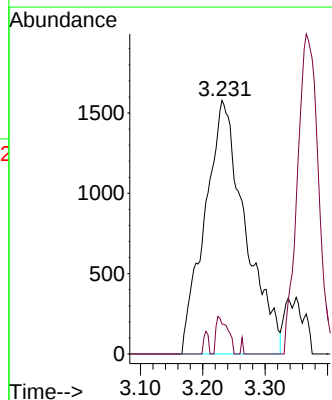
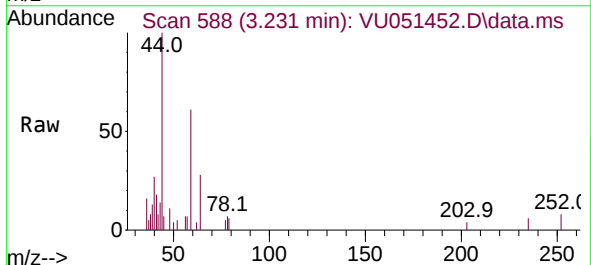
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

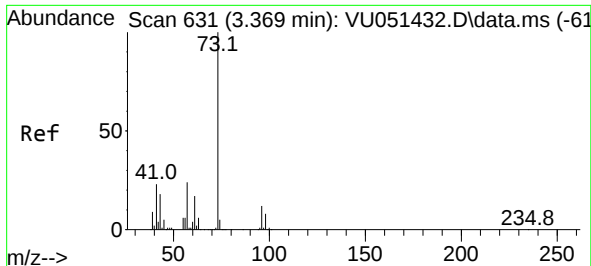
Tgt Ion: 59 Resp: 7229
Ion Ratio Lower Upper
59 100
45 82.2 55.7 83.5
74 69.6 58.2 87.4



#24
tert-Butyl Alcohol
Concen: 4.810 ug/l
RT: 3.231 min Scan# 588
Delta R.T. 0.039 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 59 Resp: 7099
Ion Ratio Lower Upper
59 100
57 4.2 7.8 11.8#

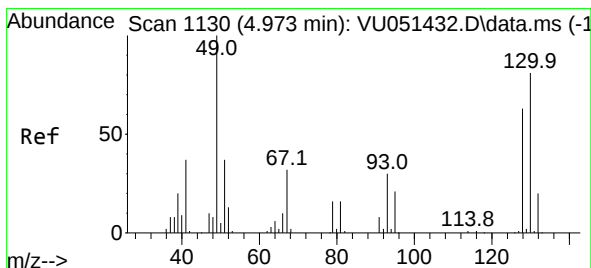
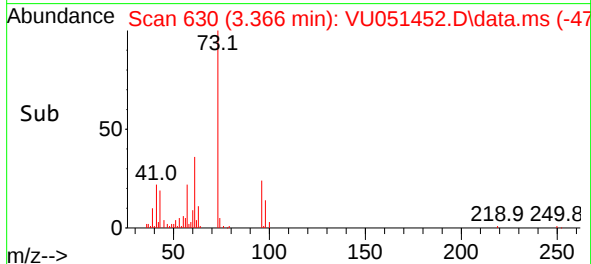
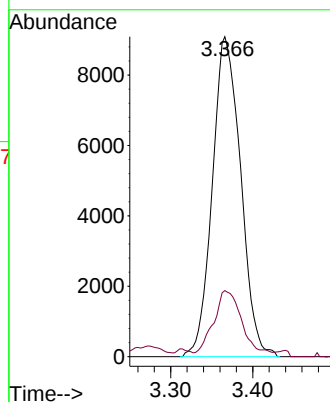
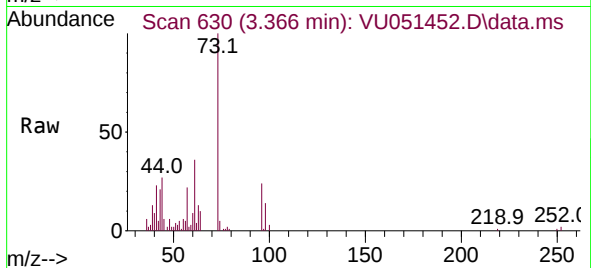




#25
Methyl tert-Butyl Ether
Concen: 0.520 ug/l
RT: 3.366 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

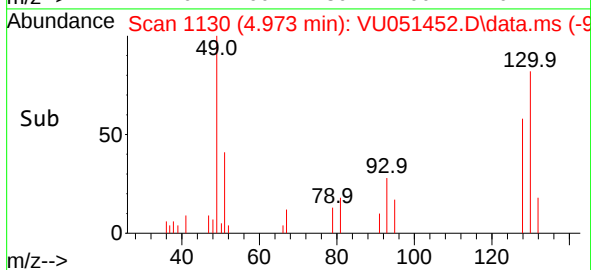
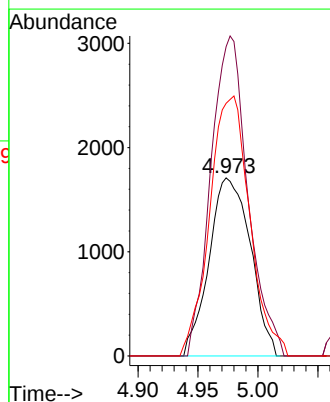
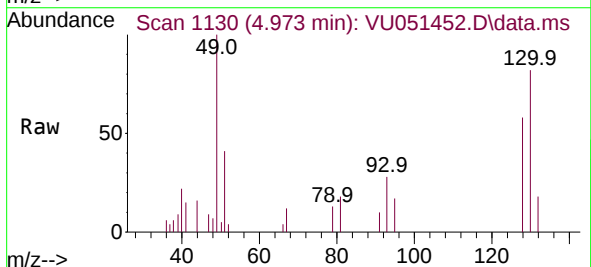
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

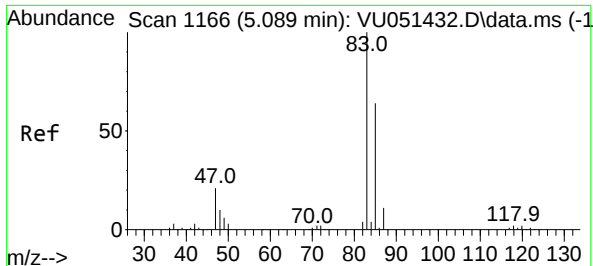
Tgt Ion: 73 Resp: 21803
Ion Ratio Lower Upper
73 100
43 20.2 14.2 21.4



#26
Bromochloromethane
Concen: 0.481 ug/l
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 128 Resp: 4102
Ion Ratio Lower Upper
128 100
49 160.8 0.0 320.4
130 141.5 105.0 157.6





#27

Chloroform

Concen: 0.504 ug/l

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

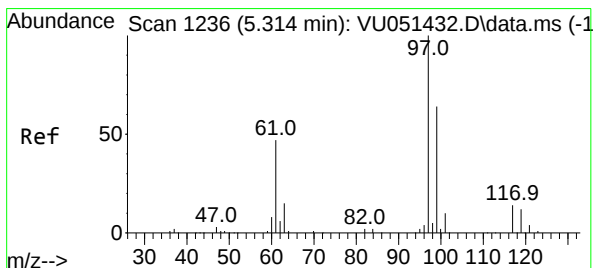
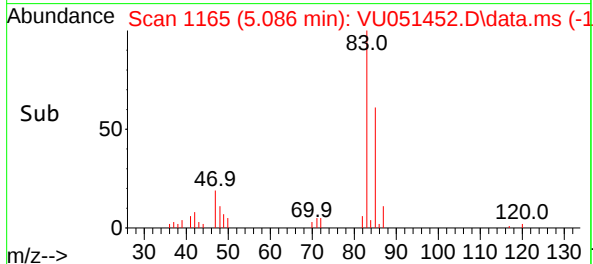
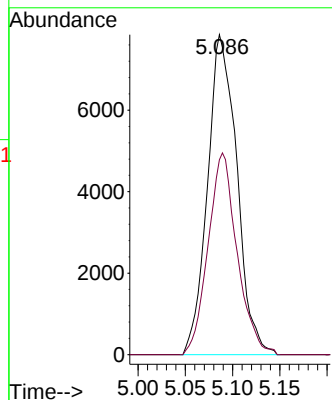
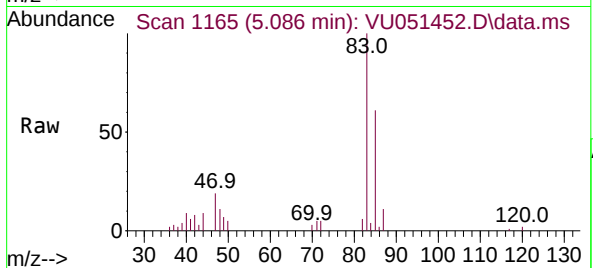
MDL-WATER-03-QT4-2022

Tgt Ion: 83 Resp: 16962

Ion Ratio Lower Upper

83 100

85 60.9 0.0 128.8



#28

1,1,1-Trichloroethane

Concen: 0.499 ug/l

RT: 5.318 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

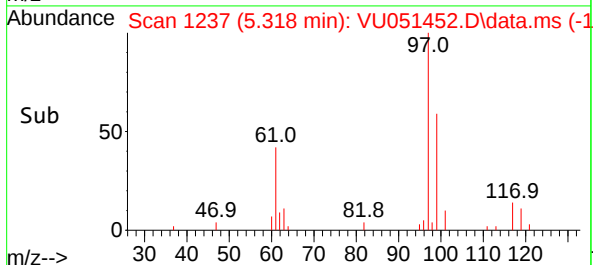
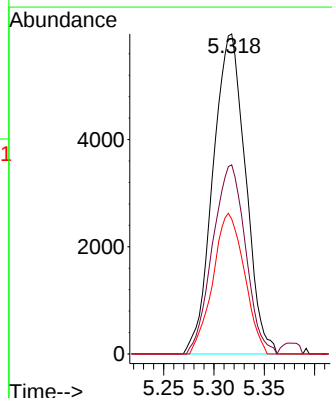
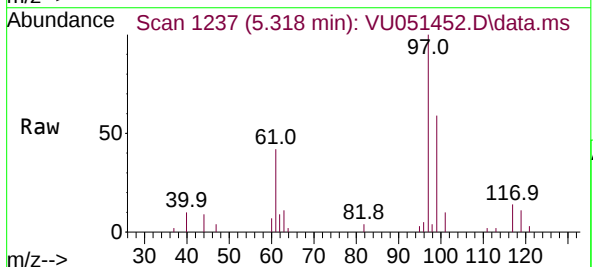
Tgt Ion: 97 Resp: 13407

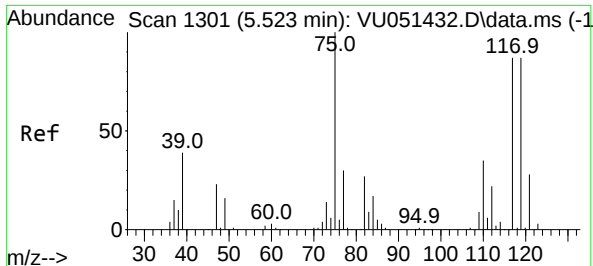
Ion Ratio Lower Upper

97 100

99 59.9 31.8 95.4

61 42.5 23.6 71.0





#29

1,1-Dichloropropene

Concen: 0.427 ug/l

RT: 5.523 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

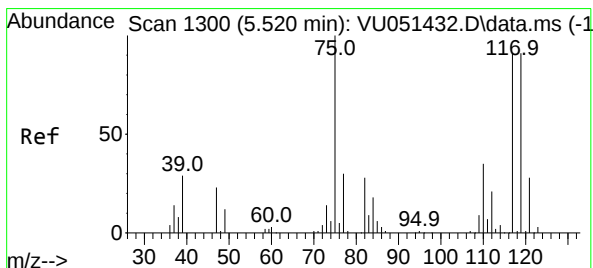
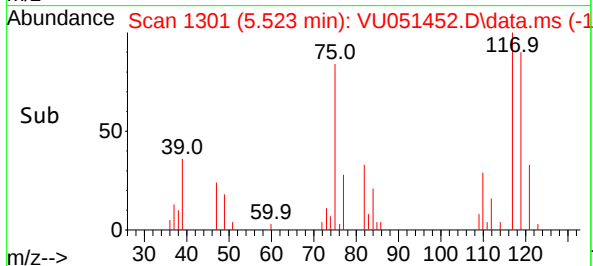
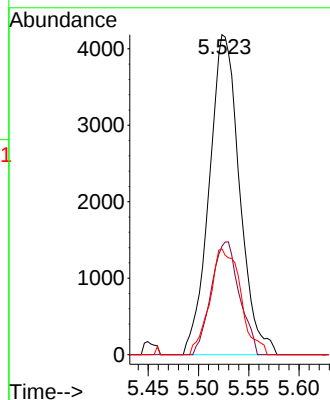
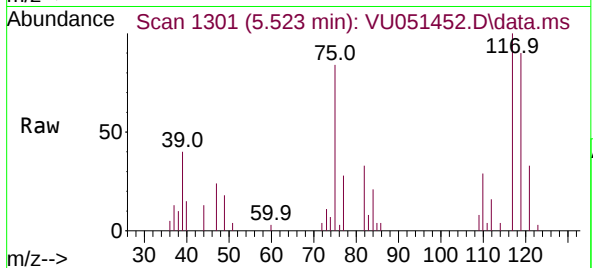
Tgt Ion: 75 Resp: 8776

Ion Ratio Lower Upper

75 100

110 32.7 17.8 53.3

77 33.7 24.2 36.4



#30

Carbon Tetrachloride

Concen: 0.490 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

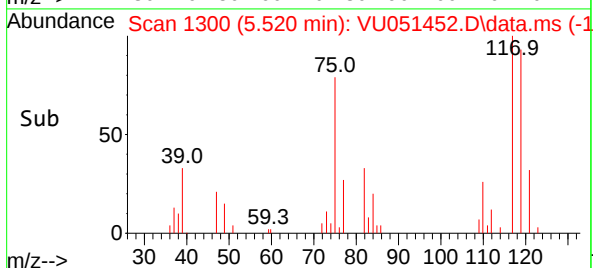
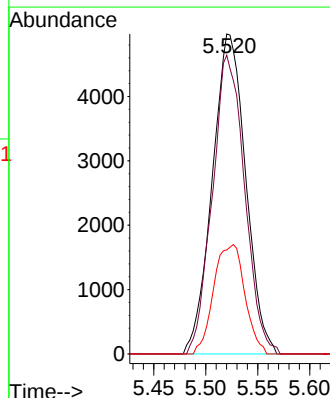
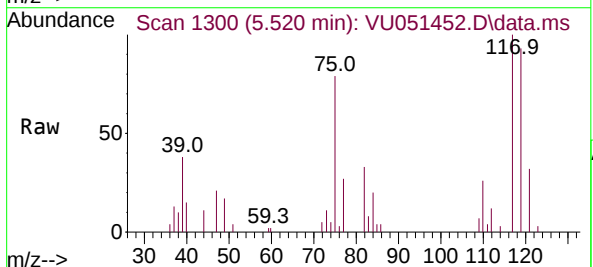
Tgt Ion: 117 Resp: 11103

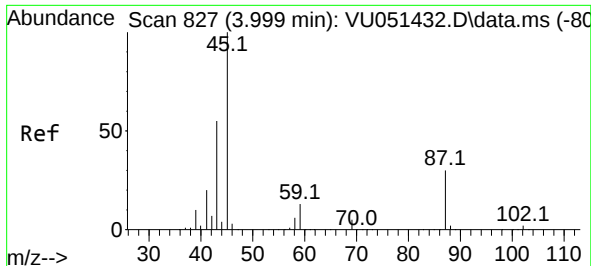
Ion Ratio Lower Upper

117 100

119 93.3 80.0 120.0

121 32.5 24.9 37.3

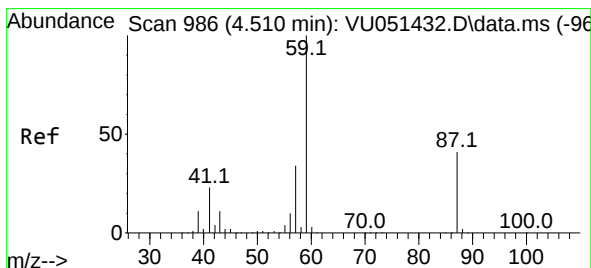
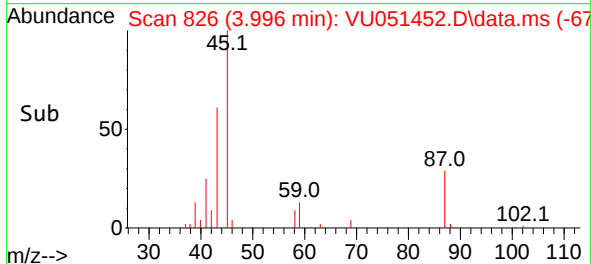
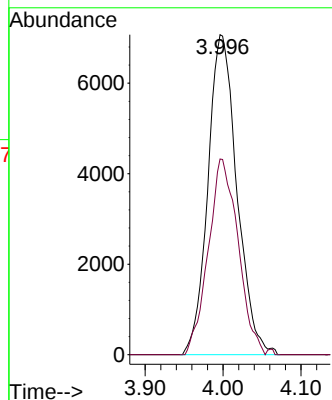
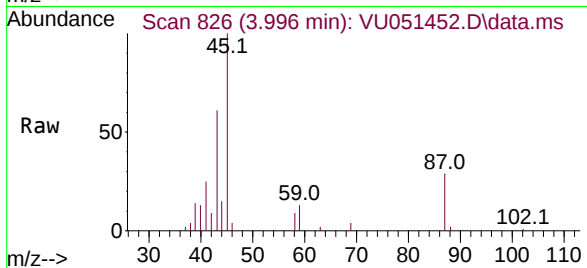




#31
Isopropyl Ether
Concen: 0.466 ug/l
RT: 3.996 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

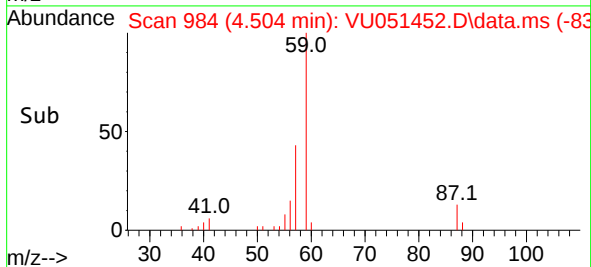
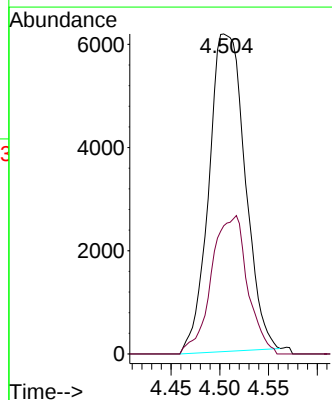
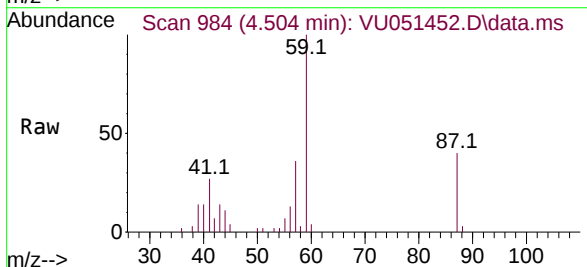
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

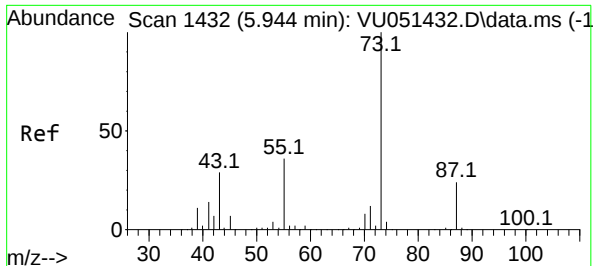
Tgt Ion: 45 Resp: 18323
Ion Ratio Lower Upper
45 100
43 62.7 27.6 82.7



#32
Ethyl-t-butyl ether
Concen: 0.443 ug/l
RT: 4.504 min Scan# 984
Delta R.T. -0.006 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 59 Resp: 15881
Ion Ratio Lower Upper
59 100
87 43.3 33.8 50.8

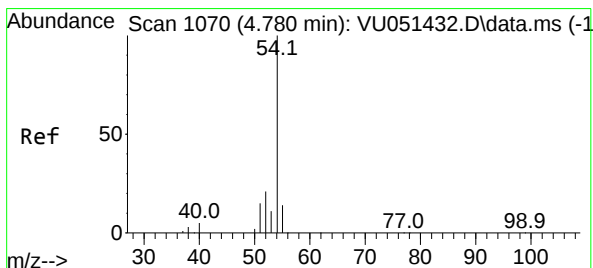
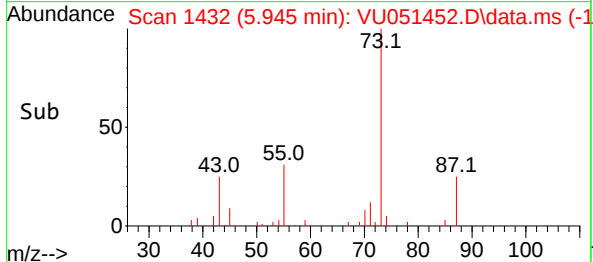
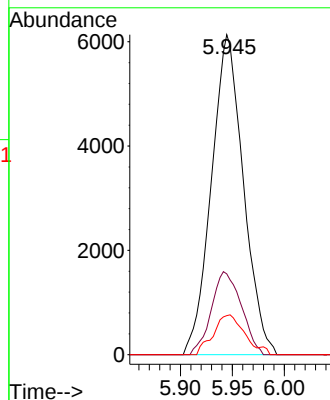
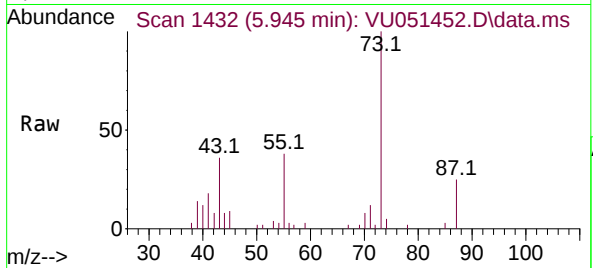




#33
Tert-Amyl methyl ether
Concen: 0.416 ug/l
RT: 5.945 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

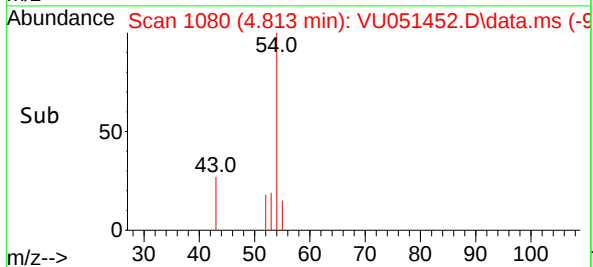
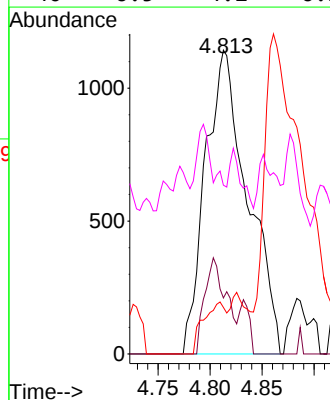
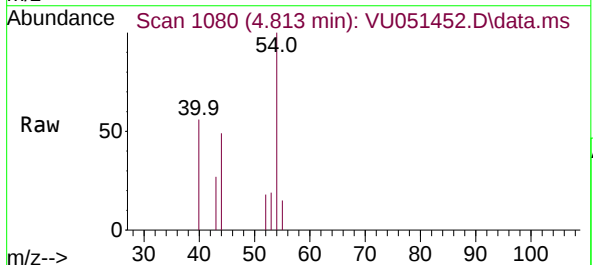
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

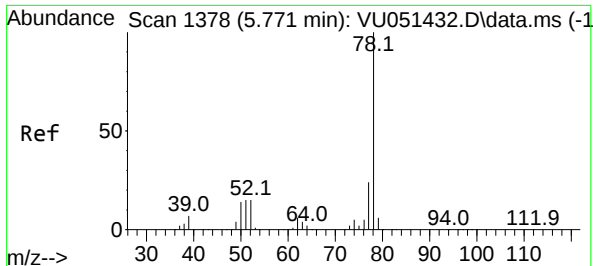
Tgt Ion: 73	Resp: 13109
Ion Ratio	Lower Upper
73	100
87	24.3 18.9 28.3
71	12.2 9.4 14.2



#34
Propionitrile
Concen: 2.324 ug/l
RT: 4.813 min Scan# 1080
Delta R.T. 0.032 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 54	Resp: 3238
Ion Ratio	Lower Upper
54	100
52	16.3 16.4 24.6#
55	9.1 11.5 17.3#
40	6.5 4.2 6.2#

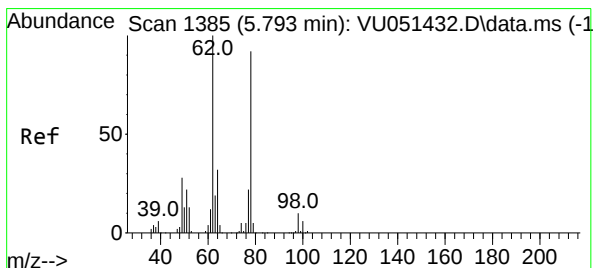
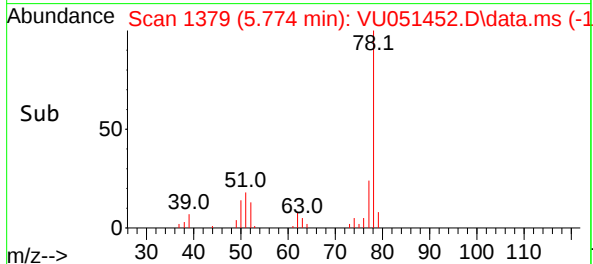
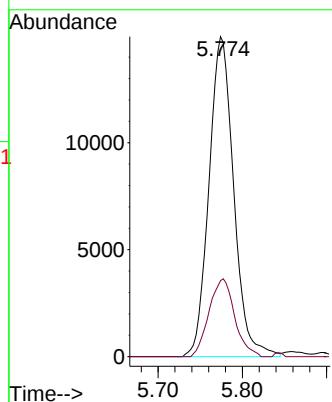
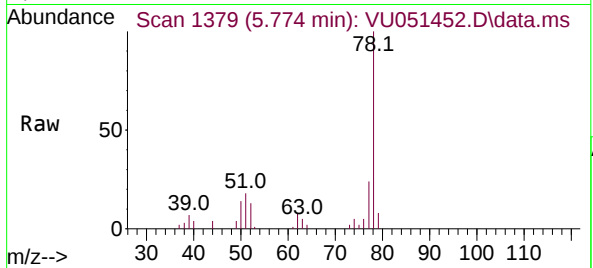




#35
Benzene
Concen: 0.441 ug/l
RT: 5.774 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

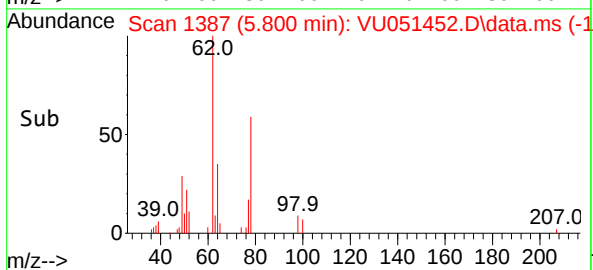
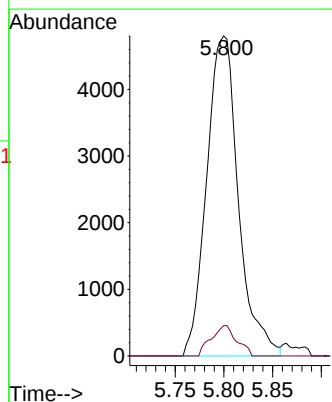
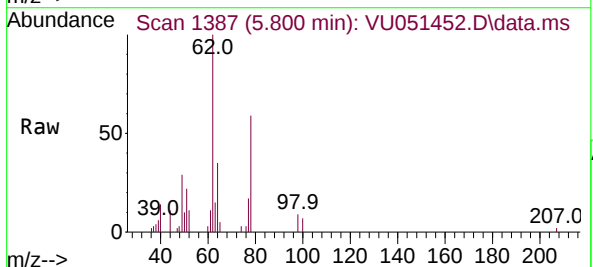
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion: 78 Resp: 30478
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



#36
1,2-Dichloroethane
Concen: 0.511 ug/l
RT: 5.800 min Scan# 1387
Delta R.T. 0.007 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 62 Resp: 10886
Ion Ratio Lower Upper
62 100
98 7.6 7.4 11.2





#37

Trichloroethene

Concen: 0.453 ug/l

RT: 6.543 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

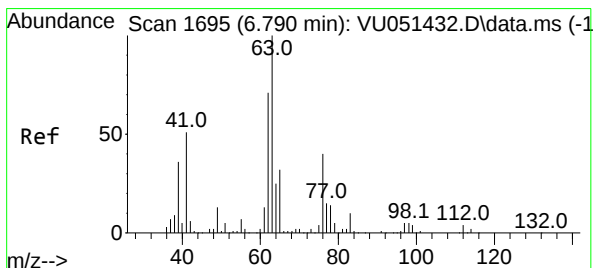
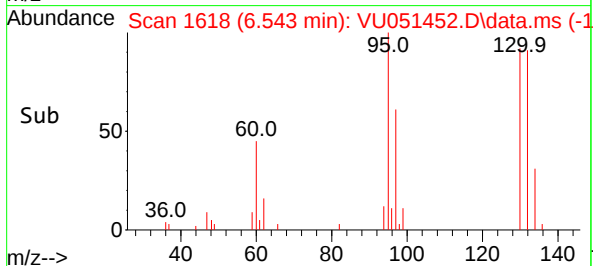
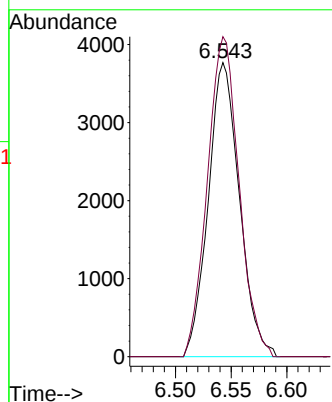
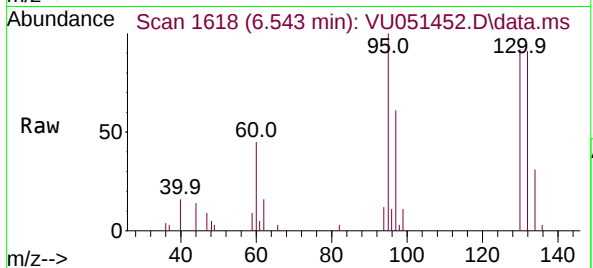
MDL-WATER-03-QT4-2022

Tgt Ion:130 Resp: 7336

Ion Ratio Lower Upper

130 100

95 108.8 80.2 120.4



#38

1,2-Dichloropropane

Concen: 0.476 ug/l

RT: 6.793 min Scan# 1696

Delta R.T. 0.003 min

Lab File: VU051452.D

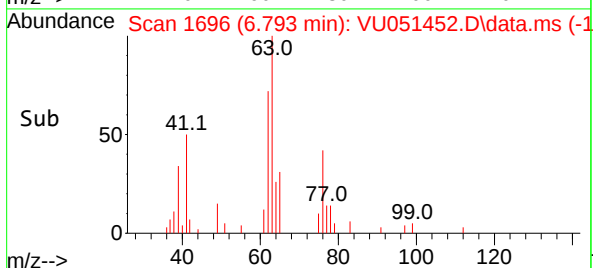
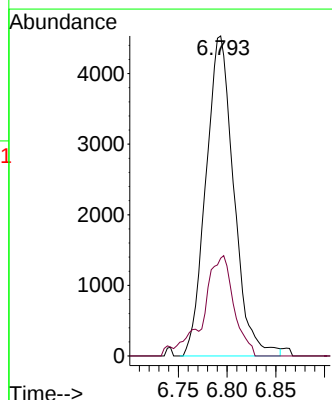
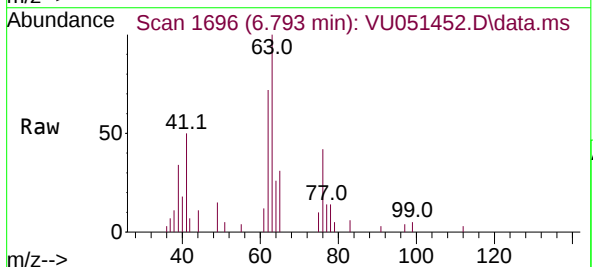
Acq: 19 Oct 2022 12:27

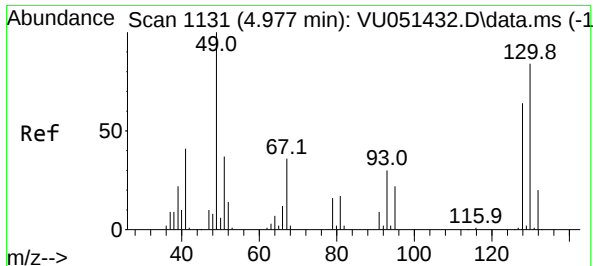
Tgt Ion: 63 Resp: 9022

Ion Ratio Lower Upper

63 100

65 30.6 25.4 38.2





#39

Methacrylonitrile

Concen: 0.468 ug/l

RT: 4.986 min Scan# 1131

Delta R.T. 0.010 min

Lab File: VU051452.D

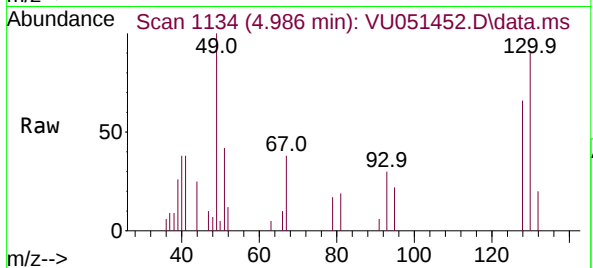
Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022



Tgt Ion: 41 Resp: 2226

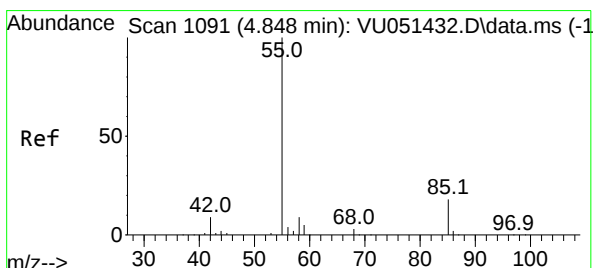
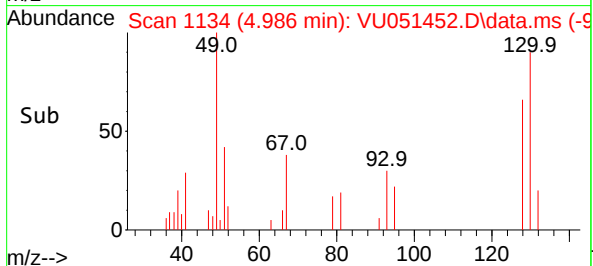
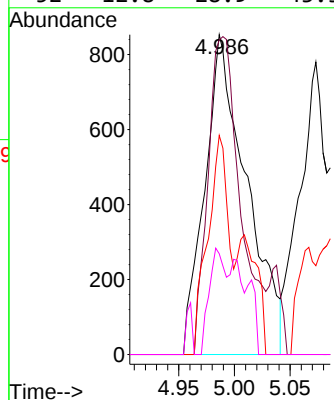
Ion Ratio Lower Upper

41 100

67 77.7 69.6 104.4

39 34.2 42.2 63.4#

52 12.8 28.9 43.3#



#40

Methyl acrylate

Concen: 0.421 ug/l

RT: 4.861 min Scan# 1095

Delta R.T. 0.013 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Tgt Ion: 55 Resp: 3200

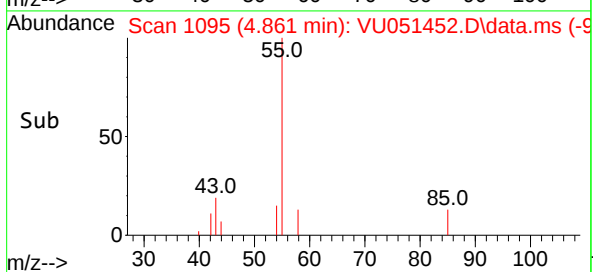
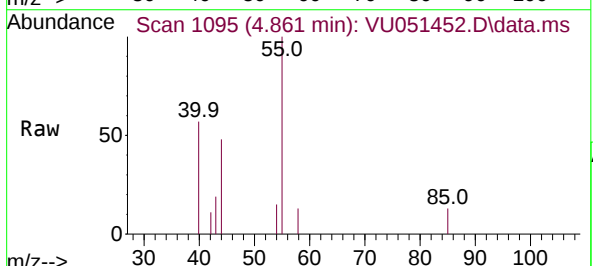
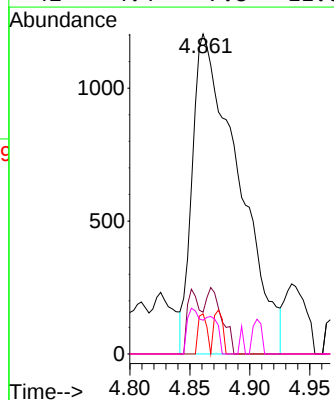
Ion Ratio Lower Upper

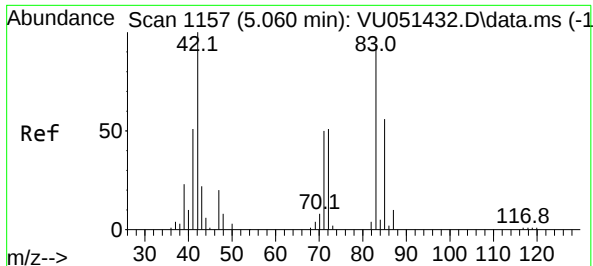
55 100

85 0.0 15.0 22.6#

58 2.4 7.5 11.3#

42 4.4 7.8 11.6#





#41

Tetrahydrofuran

Concen: 0.883 ug/l

RT: 5.076 min Scan# 1157

Delta R.T. 0.016 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

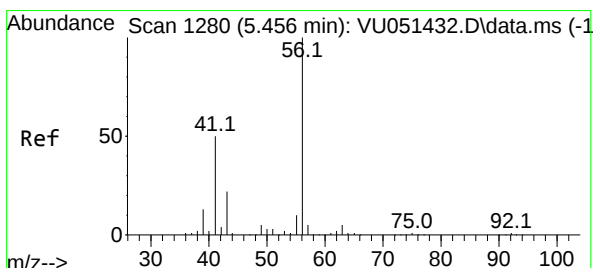
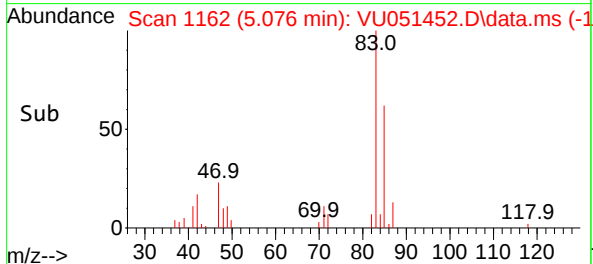
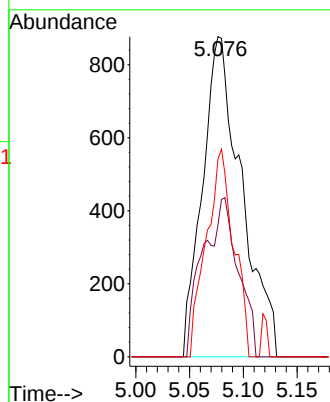
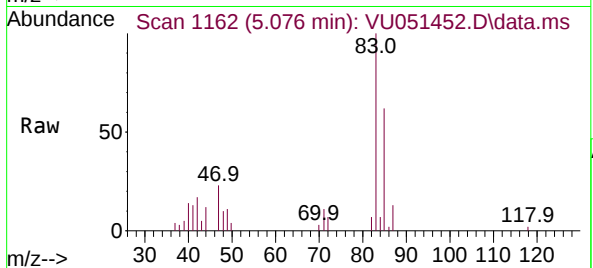
Tgt Ion: 42 Resp: 2209

Ion Ratio Lower Upper

42 100

72 45.0 42.6 64.0

71 45.6 38.3 57.5



#42

1-Chlorobutane

Concen: 0.429 ug/l

RT: 5.459 min Scan# 1281

Delta R.T. 0.003 min

Lab File: VU051452.D

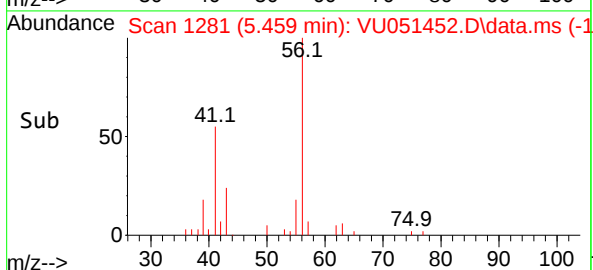
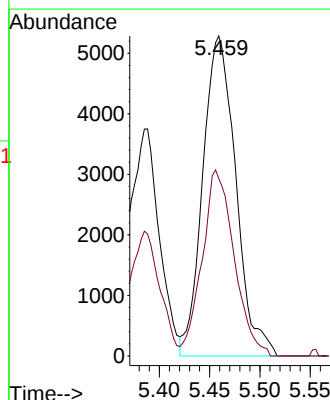
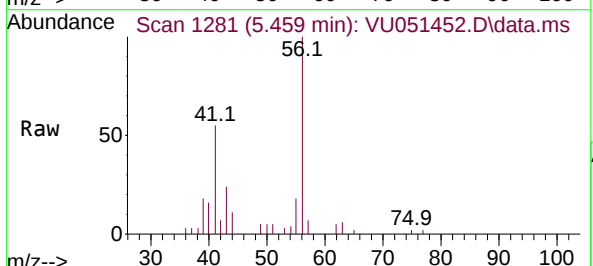
Acq: 19 Oct 2022 12:27

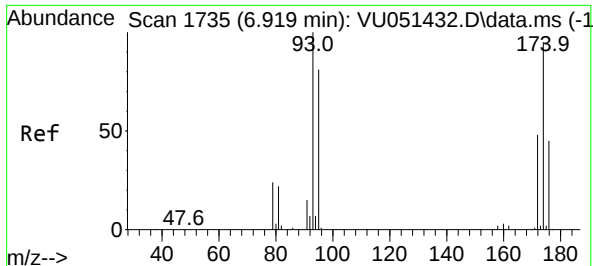
Tgt Ion: 56 Resp: 12047

Ion Ratio Lower Upper

56 100

41 56.4 24.8 74.4





#43

Dibromomethane

Concen: 0.425 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

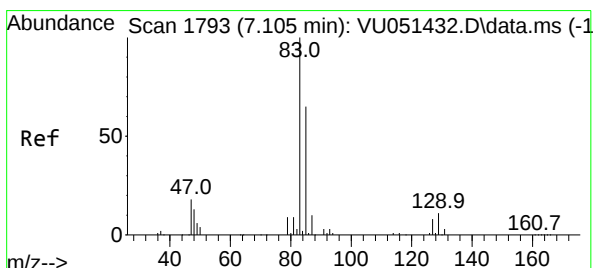
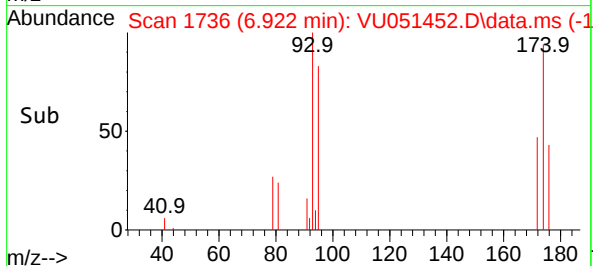
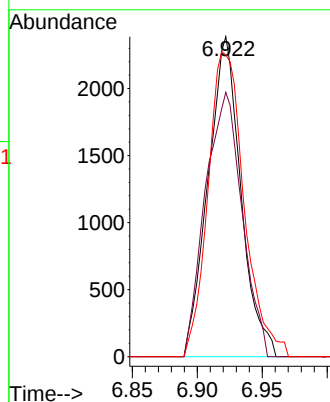
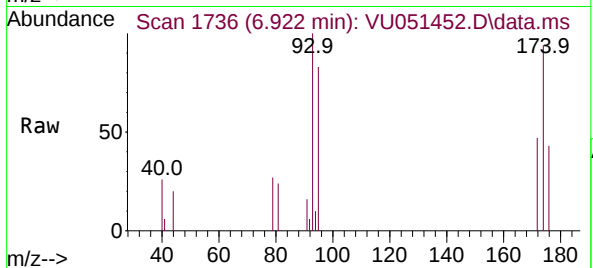
Tgt Ion: 93 Resp: 4177

Ion Ratio Lower Upper

93 100

95 92.6 66.7 100.1

174 105.1 75.5 113.3



#44

Bromodichloromethane

Concen: 0.460 ug/l

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

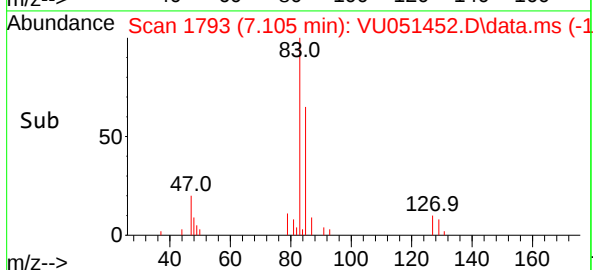
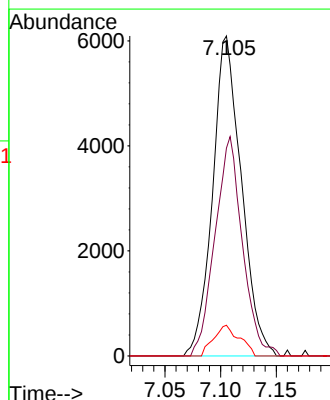
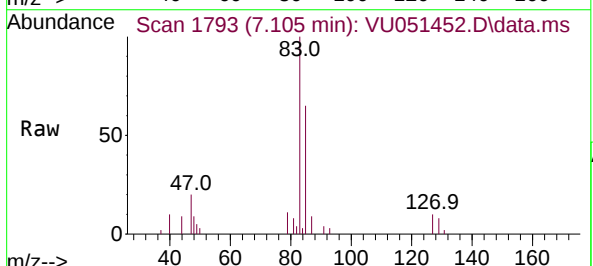
Tgt Ion: 83 Resp: 10942

Ion Ratio Lower Upper

83 100

85 64.9 52.1 78.1

127 9.6 6.8 10.2





#45

4-Methyl-2-Pentanone

Concen: 1.982 ug/l

RT: 7.800 min Scan# 2007

Delta R.T. 0.007 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

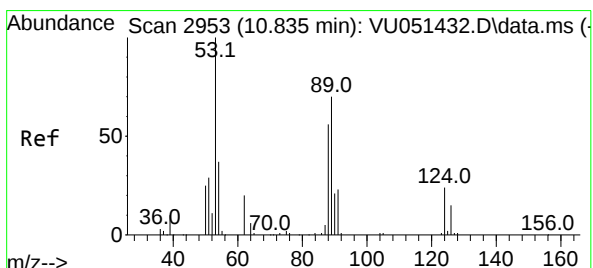
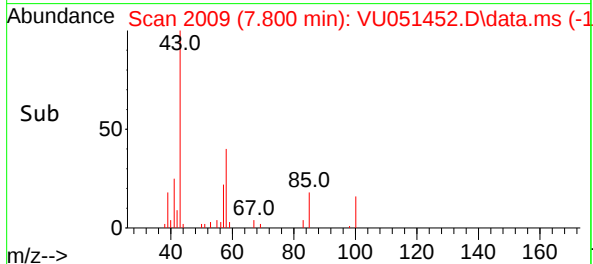
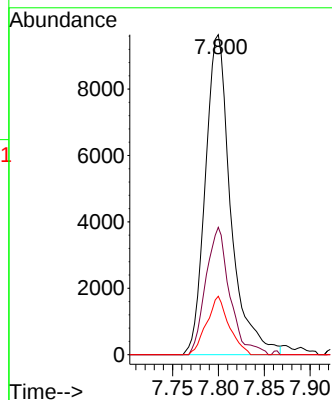
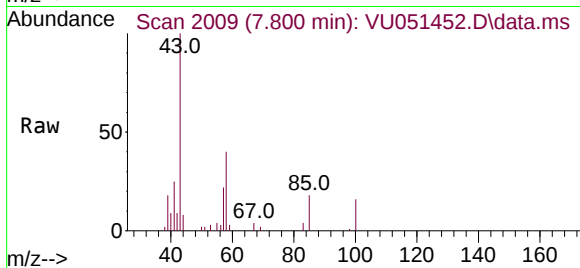
Tgt Ion: 43 Resp: 18545

Ion Ratio Lower Upper

43 100

58 37.7 21.4 64.3

85 16.1 15.4 23.0



#46

t-1,4-Dichloro-2-butene

Concen: 1.754 ug/l

RT: 10.832 min Scan# 2952

Delta R.T. -0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Tgt Ion: 75 Resp: 9159

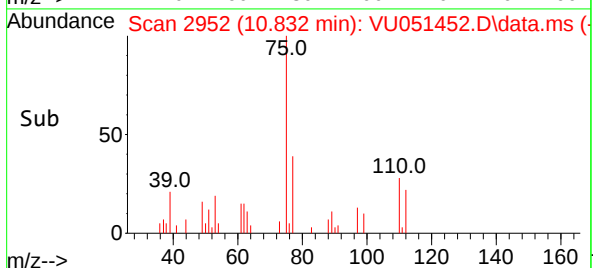
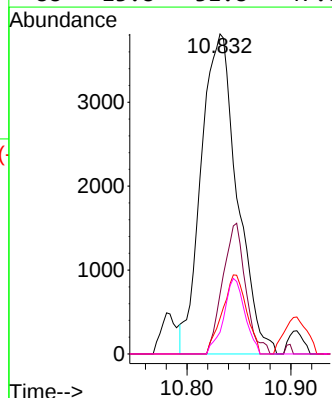
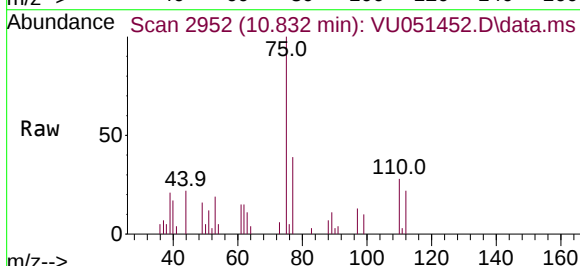
Ion Ratio Lower Upper

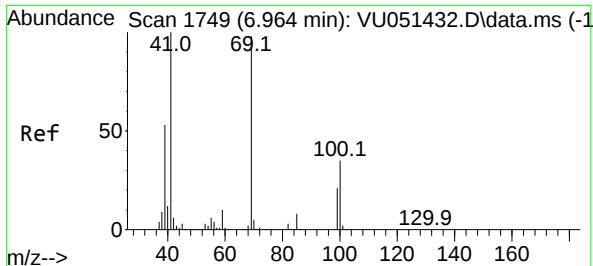
75 100

53 26.0 61.1 91.7#

89 16.5 41.0 61.6#

88 13.8 31.8 47.8#





#47

Methyl methacrylate

Concen: 0.750 ug/l

RT: 6.964 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051452.D

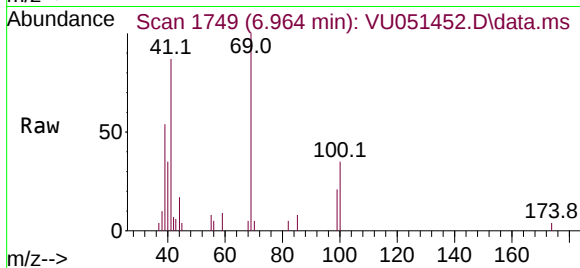
Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022



Tgt Ion: 69 Resp: 5634

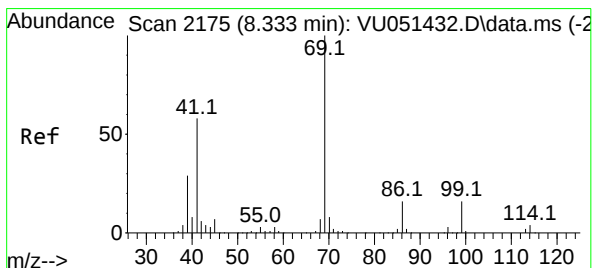
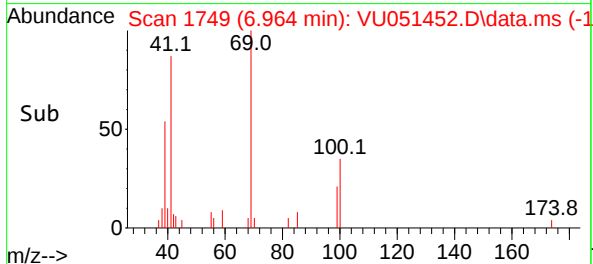
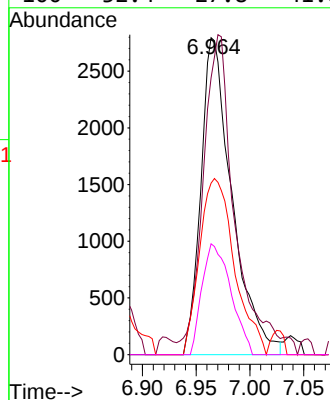
Ion Ratio Lower Upper

69 100

41 103.5 0.0 200.8

39 62.2 44.1 66.1

100 32.4 27.8 41.8



#48

Ethyl methacrylate

Concen: 0.365 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.004 min

Lab File: VU051452.D

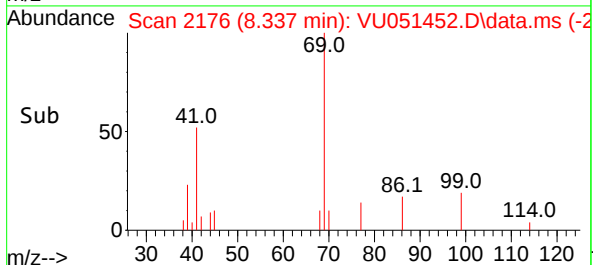
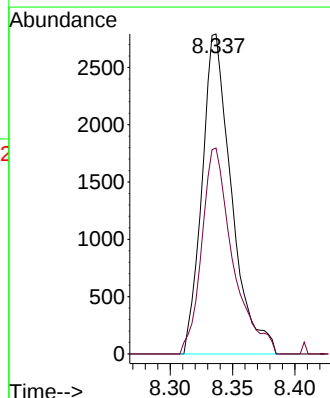
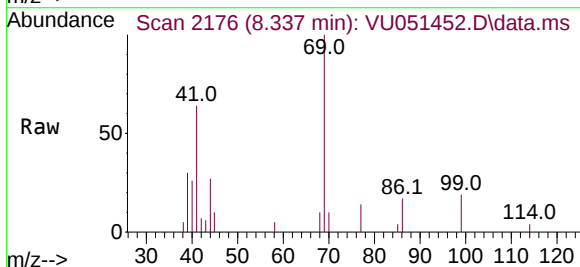
Acq: 19 Oct 2022 12:27

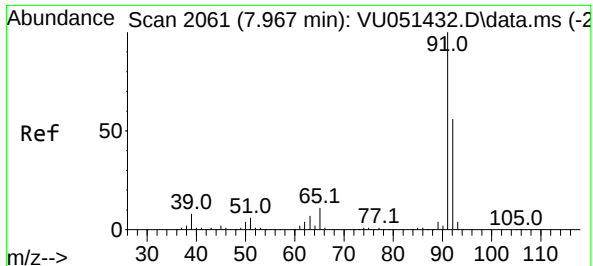
Tgt Ion: 69 Resp: 4592

Ion Ratio Lower Upper

69 100

41 67.5 28.8 86.5





#49

Toluene

Concen: 0.351 ug/l

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

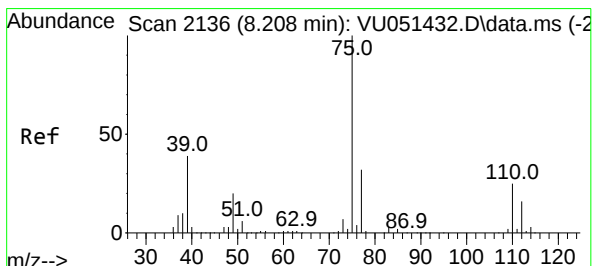
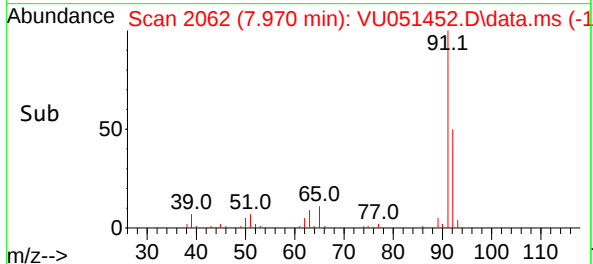
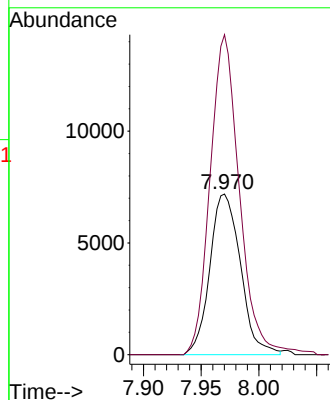
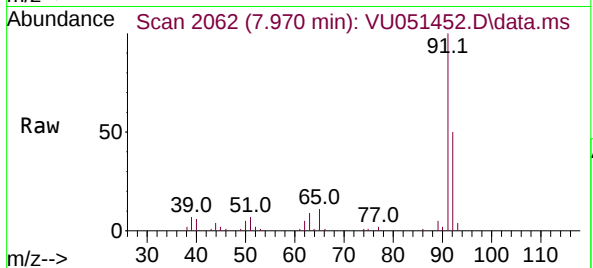
MDL-WATER-03-QT4-2022

Tgt Ion: 92 Resp: 13280

Ion Ratio Lower Upper

92 100

91 190.9 141.8 212.6



#50

t-1,3-Dichloropropene

Concen: 0.416 ug/l

RT: 8.215 min Scan# 2138

Delta R.T. 0.007 min

Lab File: VU051452.D

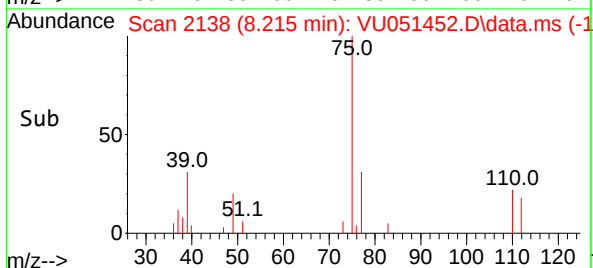
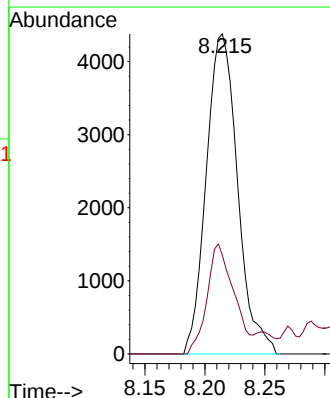
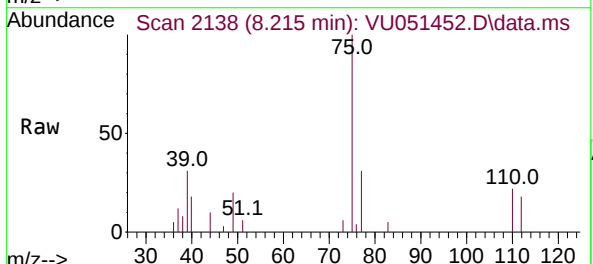
Acq: 19 Oct 2022 12:27

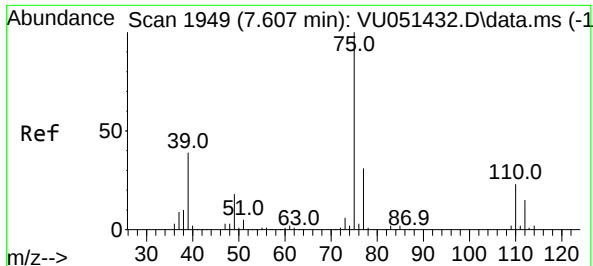
Tgt Ion: 75 Resp: 7949

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6





#51

cis-1,3-Dichloropropene

Concen: 0.440 ug/l

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2022

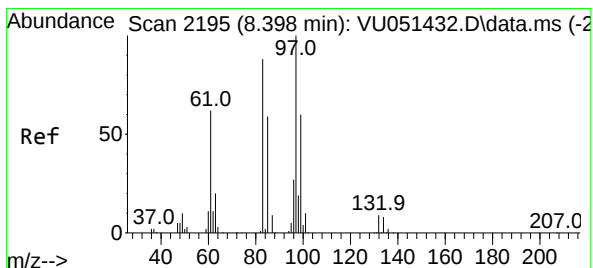
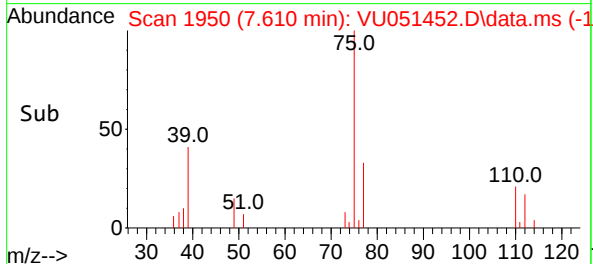
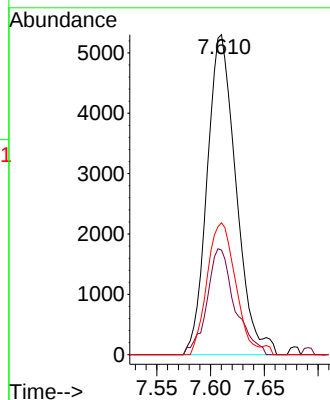
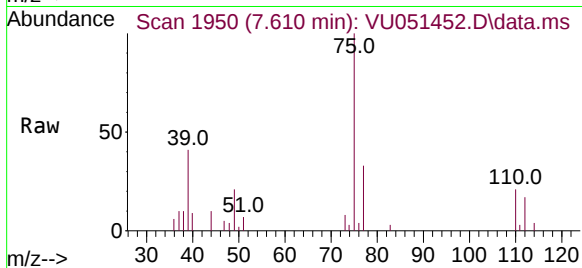
Tgt Ion: 75 Resp: 9932

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

39 41.2 31.4 47.0



#52

1,1,2-Trichloroethane

Concen: 0.503 ug/l

RT: 8.401 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Tgt Ion: 97 Resp: 7053

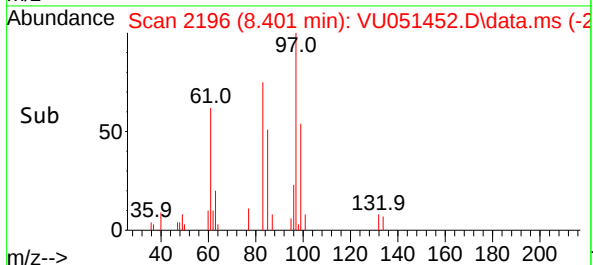
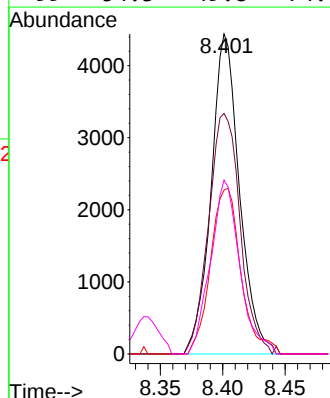
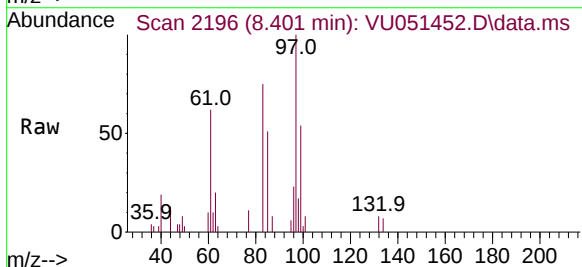
Ion Ratio Lower Upper

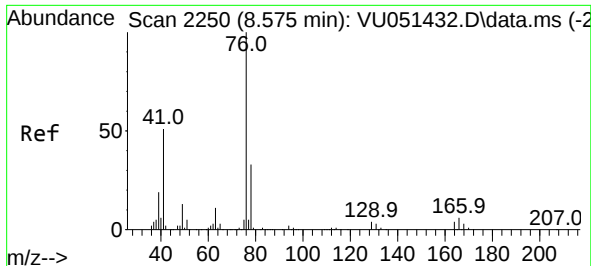
97 100

83 75.2 70.6 105.8

85 51.2 47.0 70.4

99 54.3 49.8 74.8





#53

1,3-Dichloropropane

Concen: 0.433 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

Instrument :

MSVOA_U

ClientSampleId :

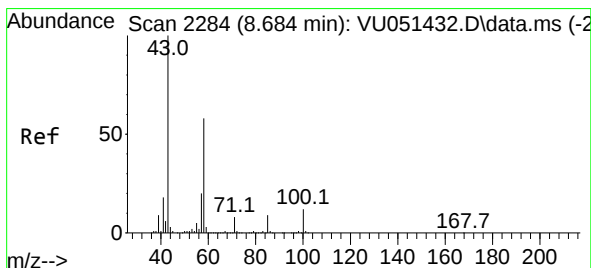
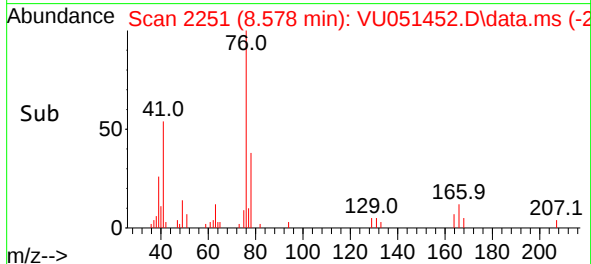
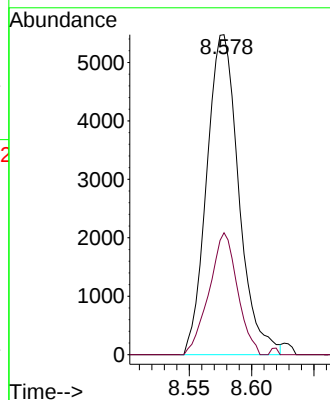
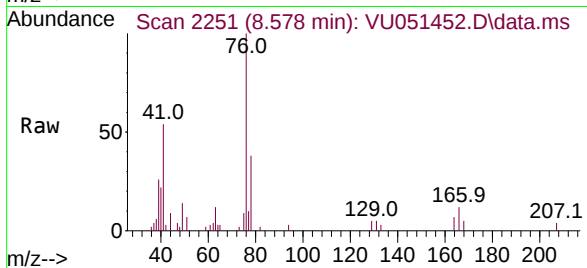
MDL-WATER-03-QT4-2022

Tgt Ion: 76 Resp: 9791

Ion Ratio Lower Upper

76 100

78 33.6 26.4 39.6



#54

2-Hexanone

Concen: 1.855 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VU051452.D

Acq: 19 Oct 2022 12:27

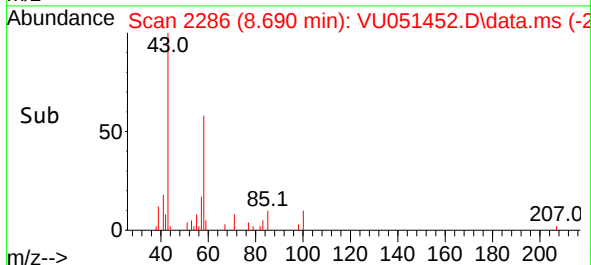
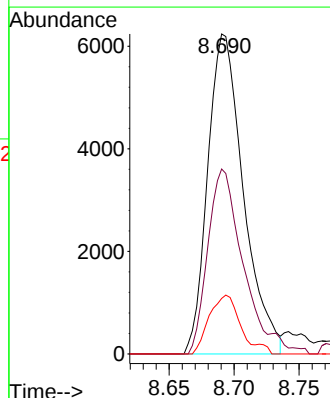
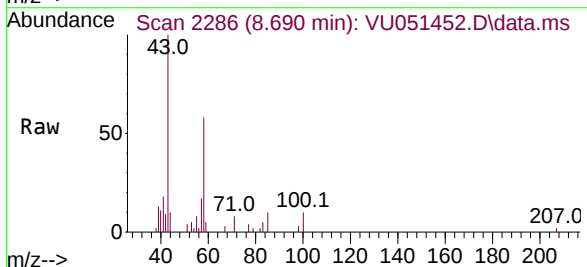
Tgt Ion: 43 Resp: 11934

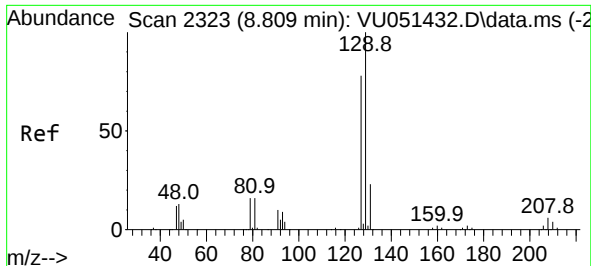
Ion Ratio Lower Upper

43 100

58 57.5 38.0 78.0

57 16.2 0.0 39.9

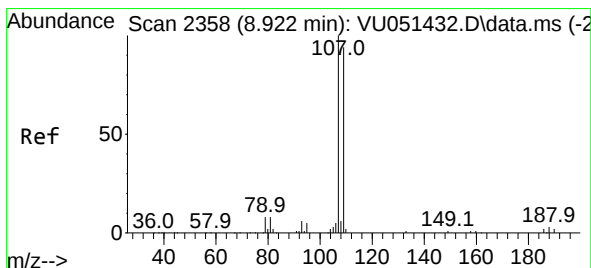
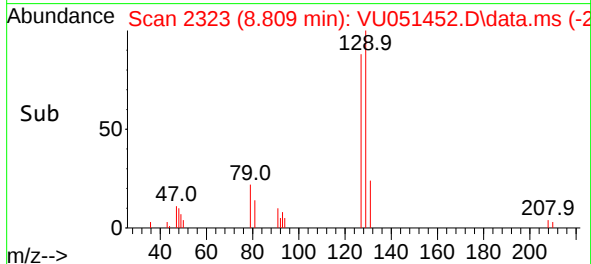
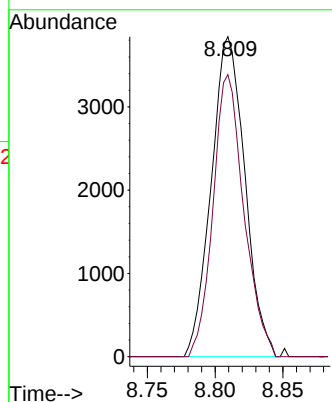
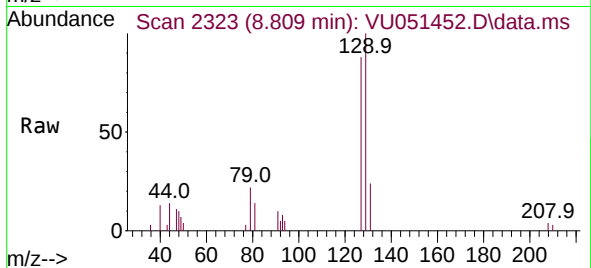




#55
Dibromochloromethane
Concen: 0.435 ug/l
RT: 8.809 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

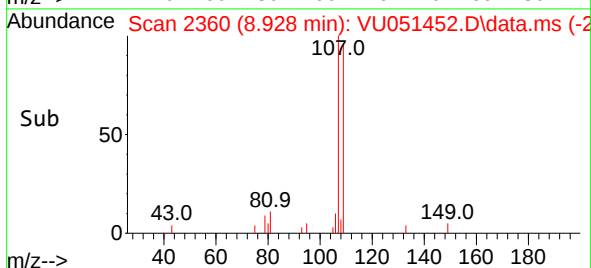
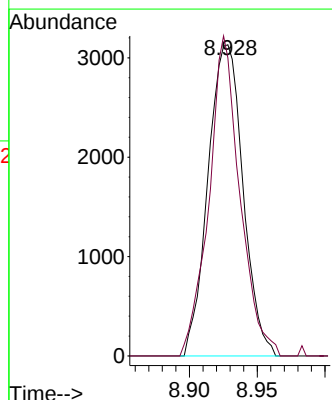
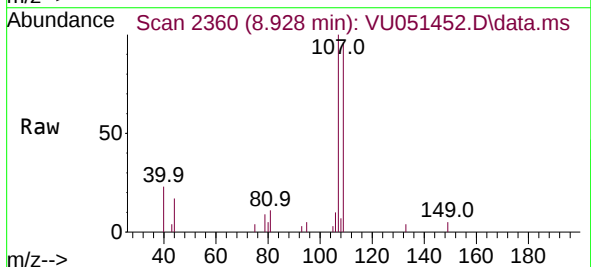
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

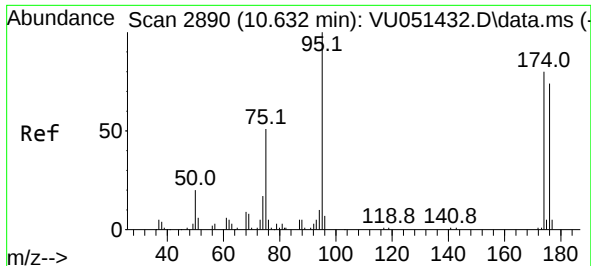
Tgt Ion:129 Resp: 6637
Ion Ratio Lower Upper
129 100
127 80.8 62.1 93.1



#56
1,2-Dibromoethane
Concen: 0.455 ug/l
RT: 8.928 min Scan# 2360
Delta R.T. 0.007 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:107 Resp: 5619
Ion Ratio Lower Upper
107 100
109 90.9 0.0 190.6

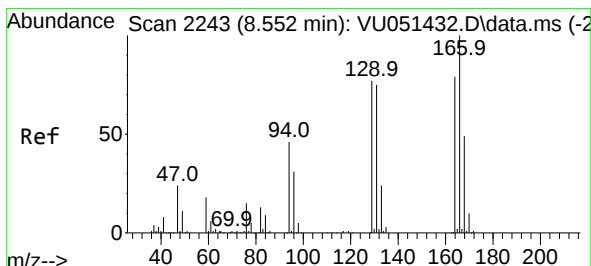
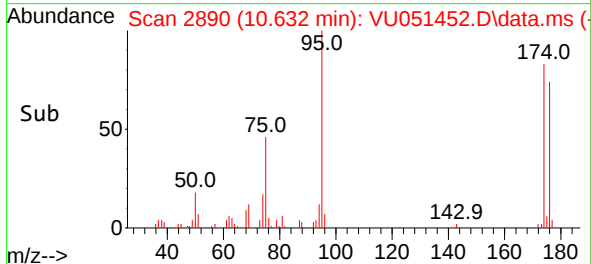
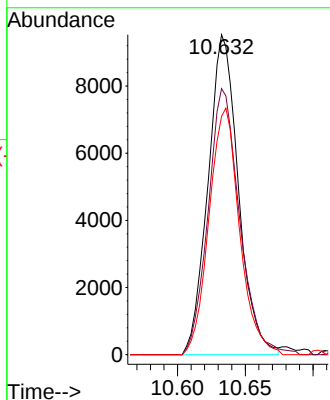
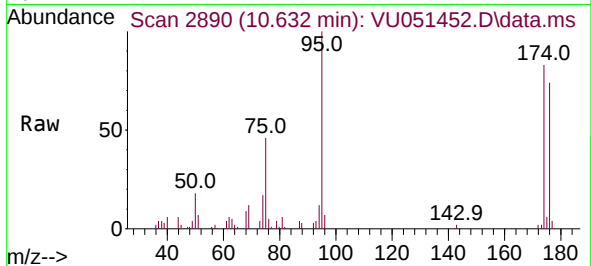




#57
4-Bromofluorobenzene
Concen: 0.804 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

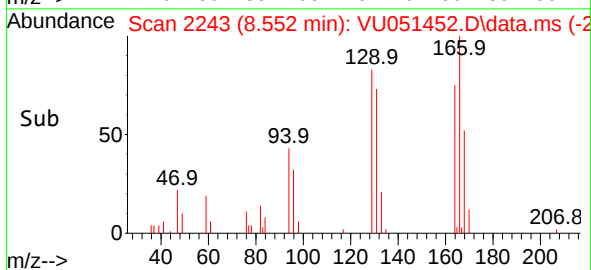
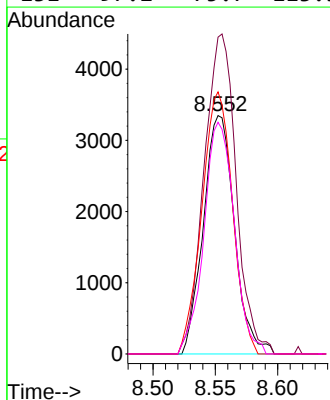
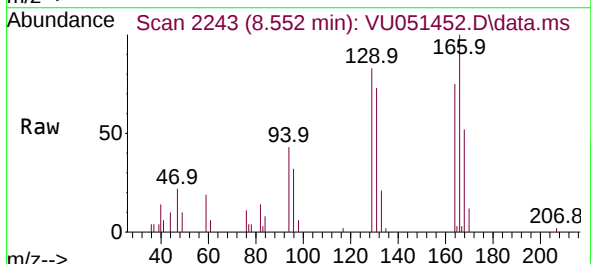
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

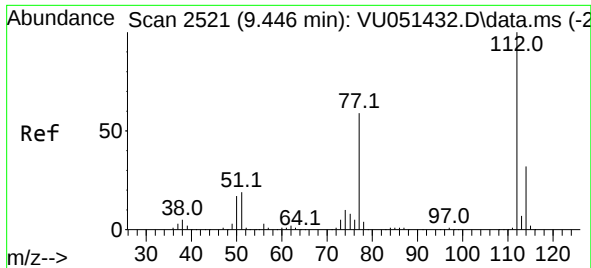
Tgt Ion:	95	Resp:	14803
Ion	Ratio	Lower	Upper
95	100		
174	86.6	63.0	94.6
176	77.4	59.8	89.6



#58
Tetrachloroethene
Concen: 0.412 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:	164	Resp:	5813
Ion	Ratio	Lower	Upper
164	100		
166	132.9	100.9	151.3
129	109.9	77.5	116.3
131	97.2	75.7	113.5

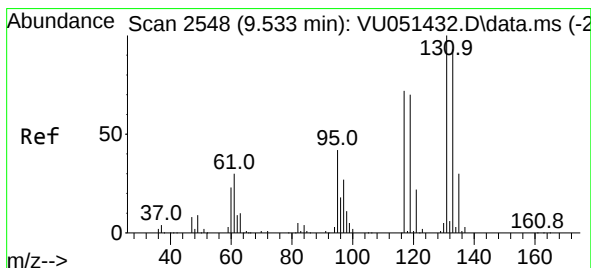
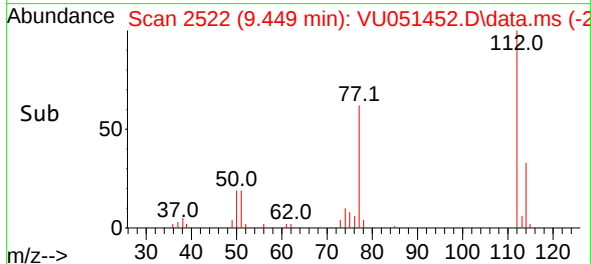
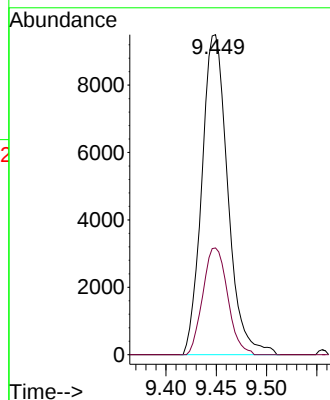
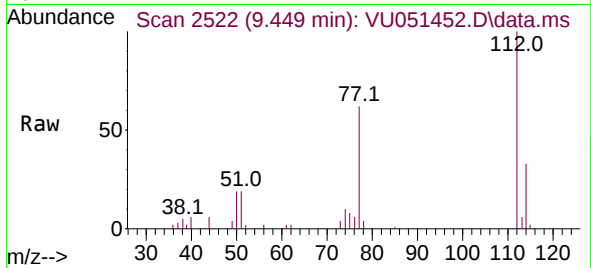




#59
Chlorobenzene
Concen: 0.410 ug/l
RT: 9.449 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

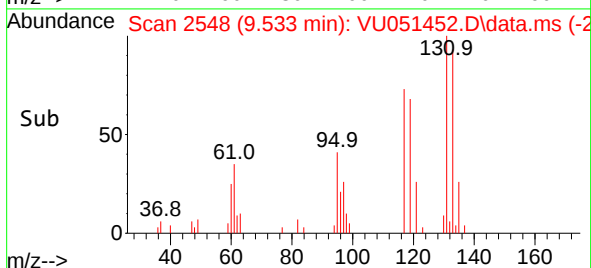
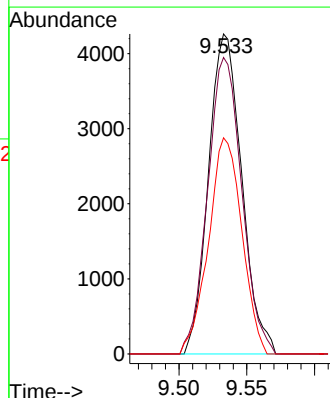
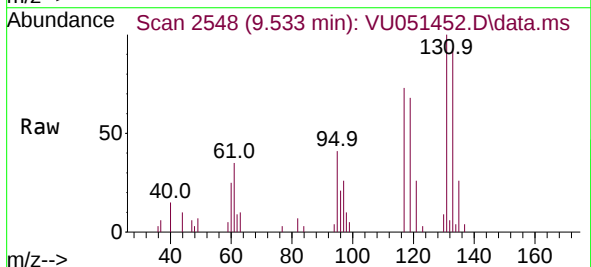
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

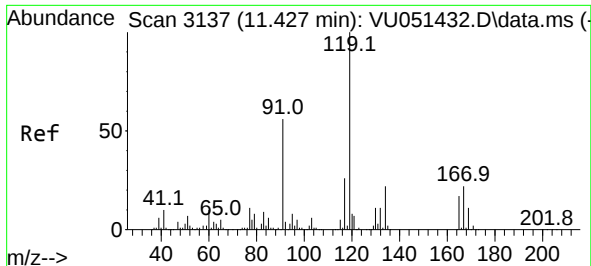
Tgt Ion:112 Resp: 17046
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.6



#60
1,1,1,2-Tetrachloroethane
Concen: 0.456 ug/l
RT: 9.533 min Scan# 2548
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:131 Resp: 7268
Ion Ratio Lower Upper
131 100
133 95.1 76.5 114.7
119 67.7 56.5 84.7

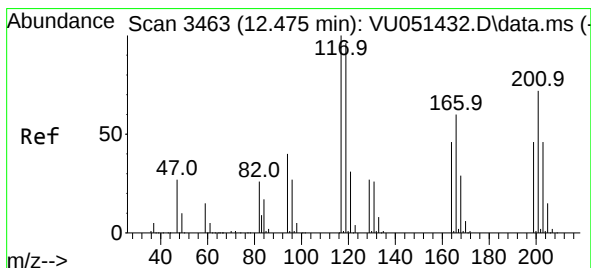
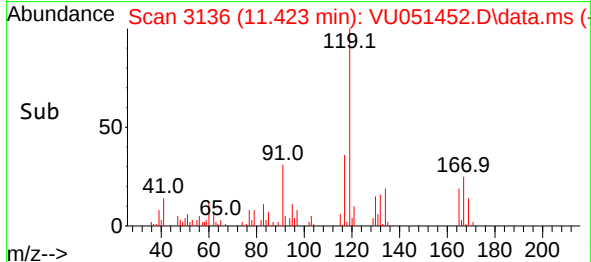
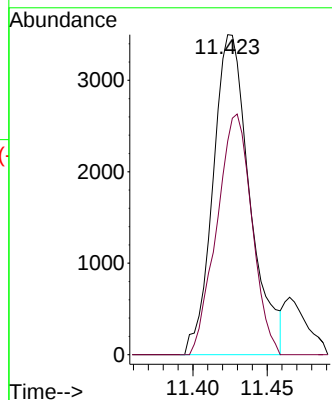
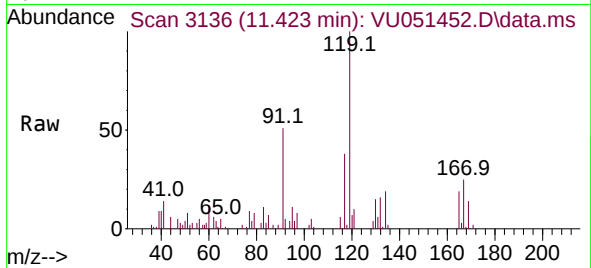




#61
Pentachloroethane
Concen: 0.425 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. -0.004 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

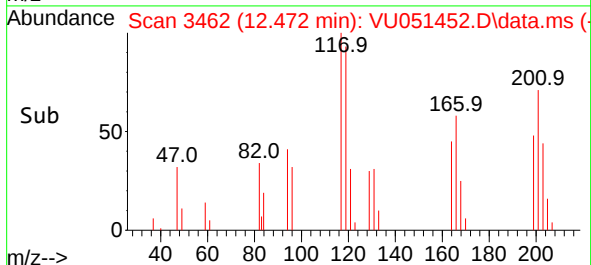
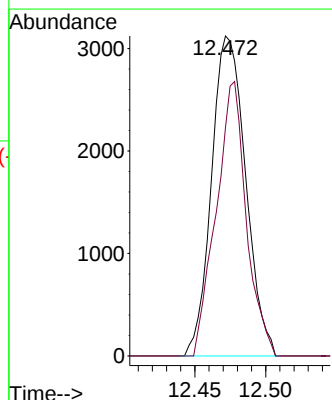
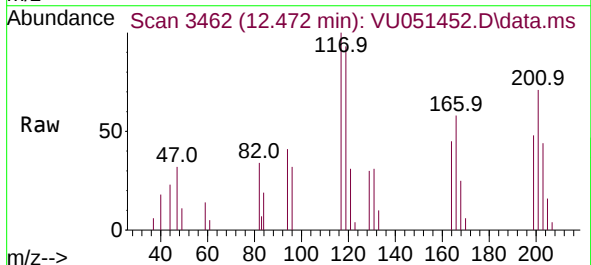
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

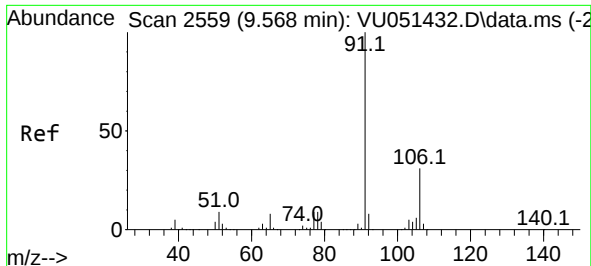
Tgt Ion:117 Resp: 6027
Ion Ratio Lower Upper
117 100
167 71.7 63.3 94.9



#62
Hexachloroethane
Concen: 0.388 ug/l
RT: 12.472 min Scan# 3462
Delta R.T. -0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:117 Resp: 5231
Ion Ratio Lower Upper
117 100
201 75.7 57.4 86.2

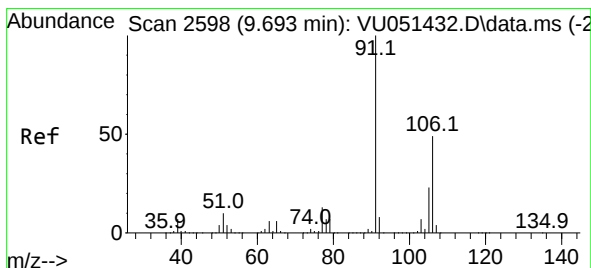
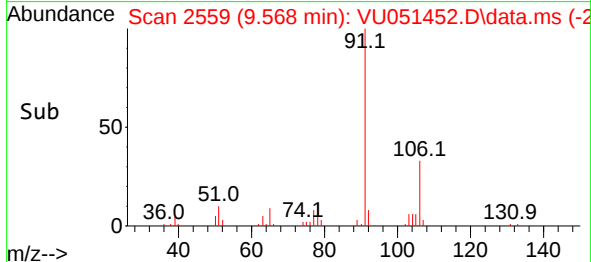
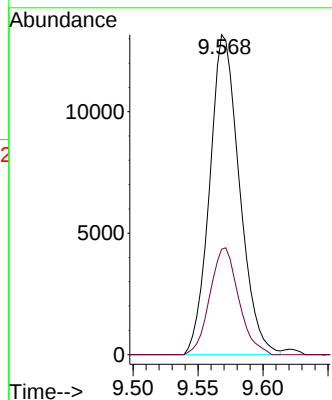
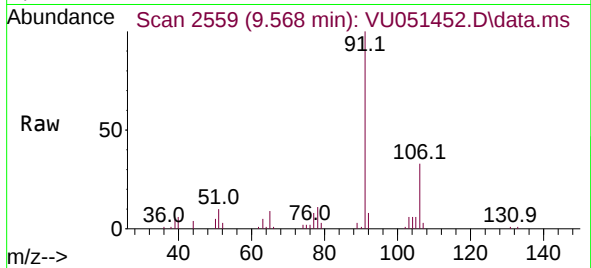




#63
Ethyl Benzene
Concen: 0.334 ug/l
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

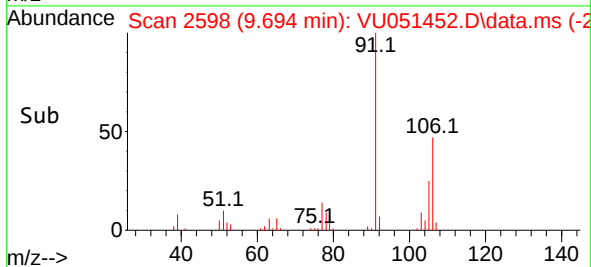
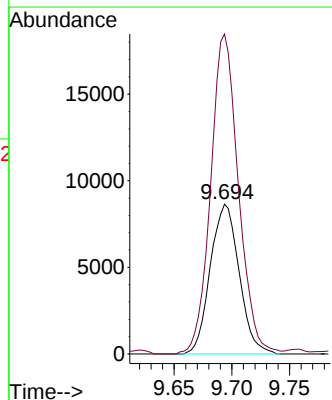
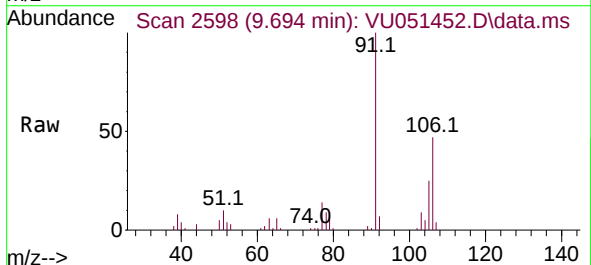
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

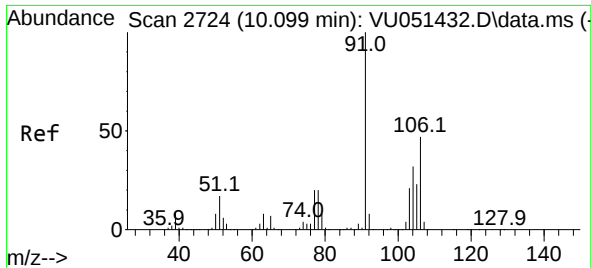
Tgt Ion: 91 Resp: 21022
Ion Ratio Lower Upper
91 100
106 32.9 24.9 37.3



#64
m/p-Xylenes
Concen: 0.597 ug/l
RT: 9.694 min Scan# 2598
Delta R.T. 0.001 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 106 Resp: 14999
Ion Ratio Lower Upper
106 100
91 206.0 163.2 244.8

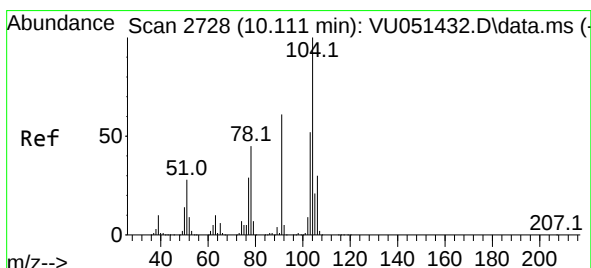
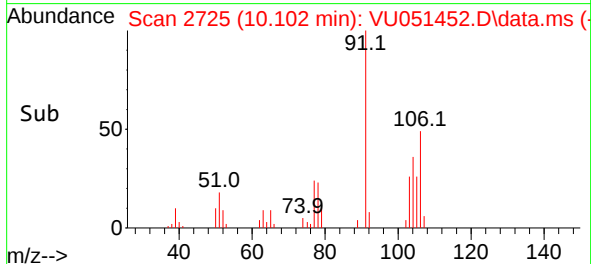
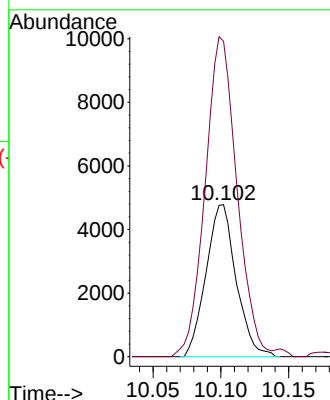
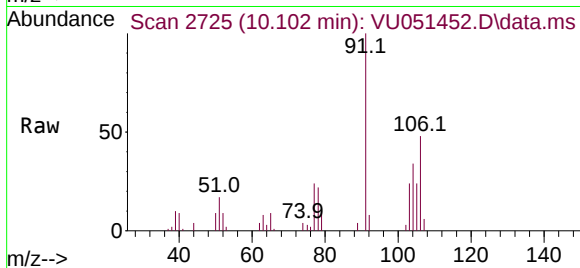




#65
o-Xylene
Concen: 0.302 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

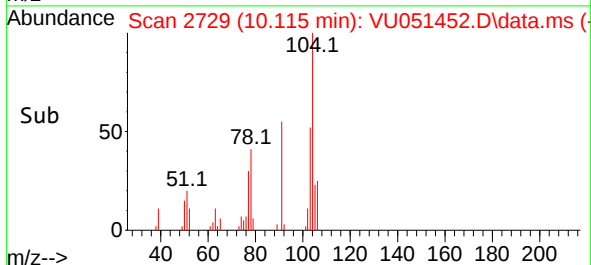
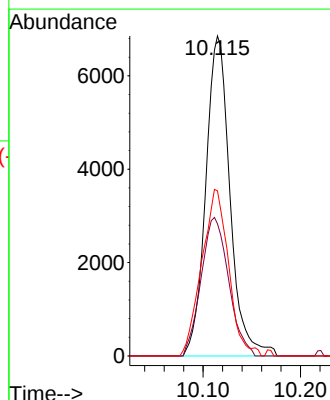
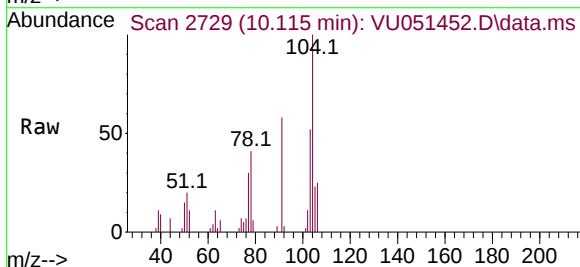
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

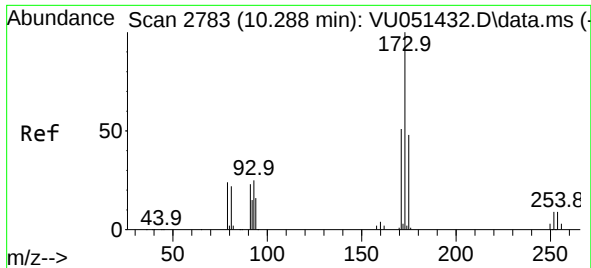
Tgt Ion:106 Resp: 7375
Ion Ratio Lower Upper
106 100
91 222.3 107.1 321.3



#66
Styrene
Concen: 0.293 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.004 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:104 Resp: 11861
Ion Ratio Lower Upper
104 100
78 49.2 39.7 59.5
103 57.6 44.4 66.6

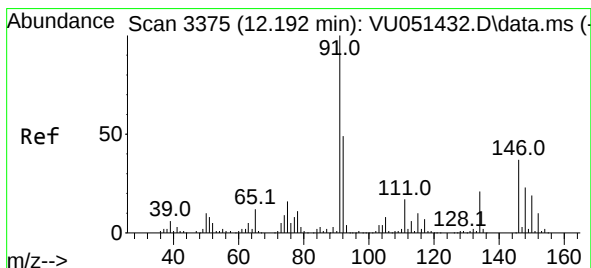
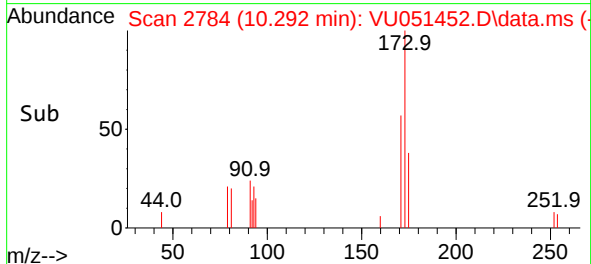
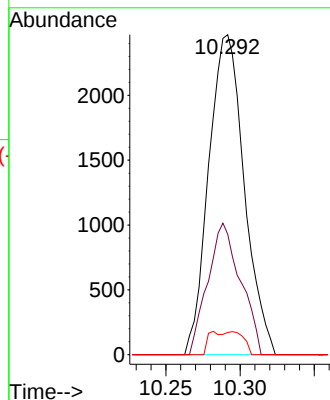
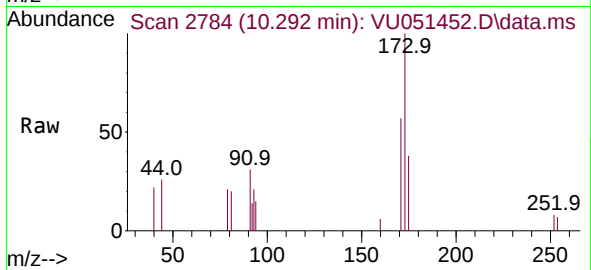




#67
Bromoform
Concen: 0.479 ug/l
RT: 10.292 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

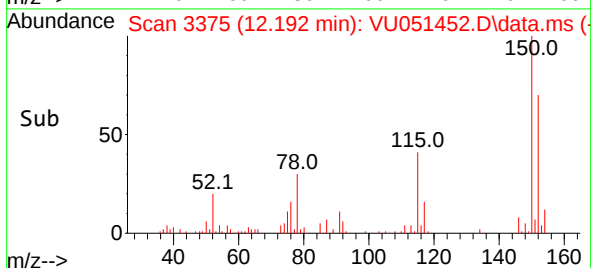
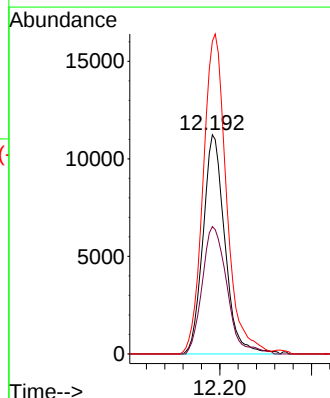
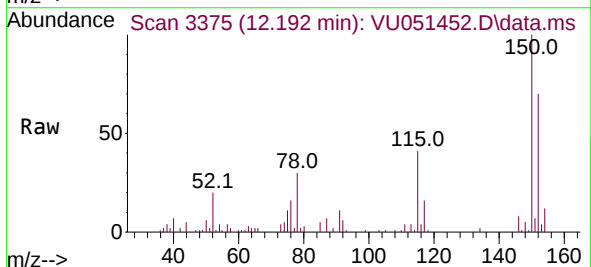
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

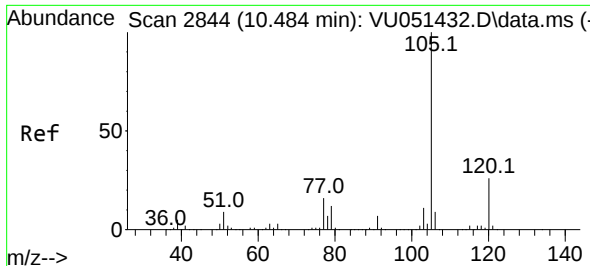
Tgt Ion:173 Resp: 4104
Ion Ratio Lower Upper
173 100
175 38.0 38.6 58.0#
254 2.3 7.3 10.9#



#68
1,2-Dichlorobenzene-d4
Concen: 0.903 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:152 Resp: 18573
Ion Ratio Lower Upper
152 100
115 65.9 0.0 333.0
150 156.1 0.0 662.0

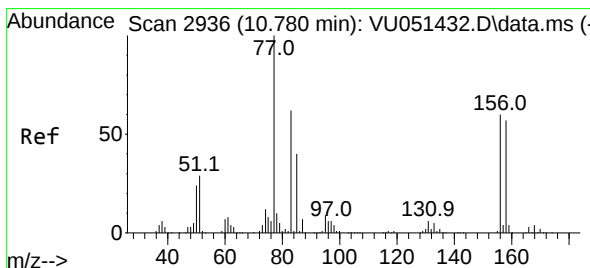
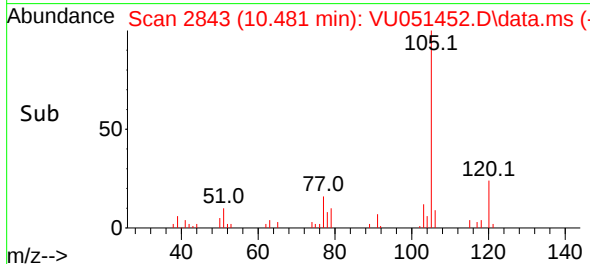
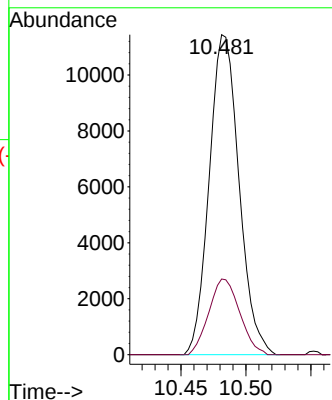
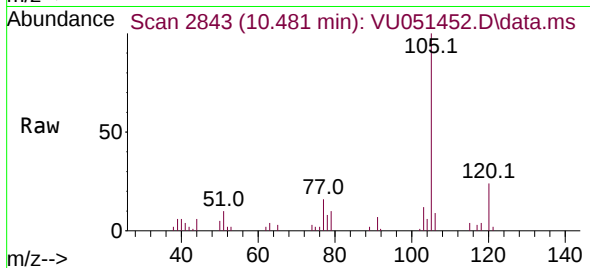




#69
Isopropylbenzene
Concen: 0.303 ug/l
RT: 10.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

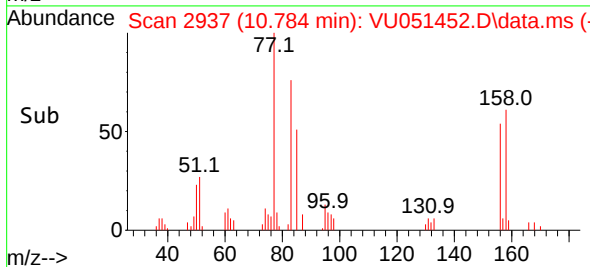
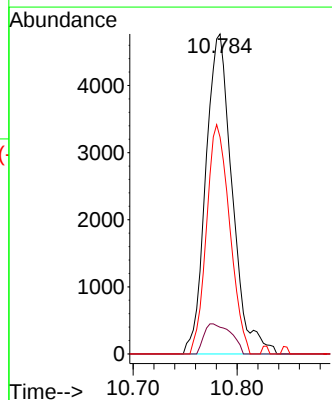
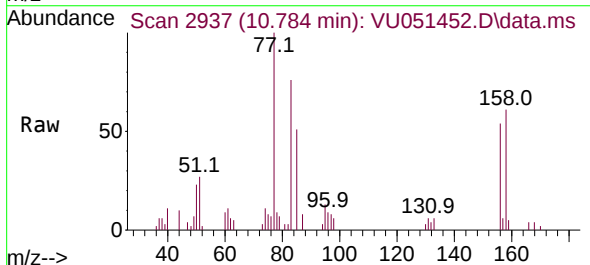
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

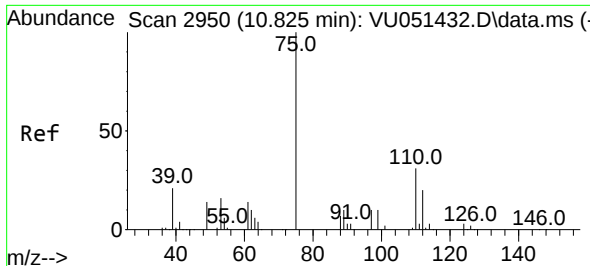
Tgt Ion:105 Resp: 18232
Ion Ratio Lower Upper
105 100
120 24.5 13.0 39.0



#70
1,1,2,2-Tetrachloroethane
Concen: 0.443 ug/l
RT: 10.784 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 83 Resp: 8406
Ion Ratio Lower Upper
83 100
131 9.6 7.2 10.8
85 63.1 51.4 77.2

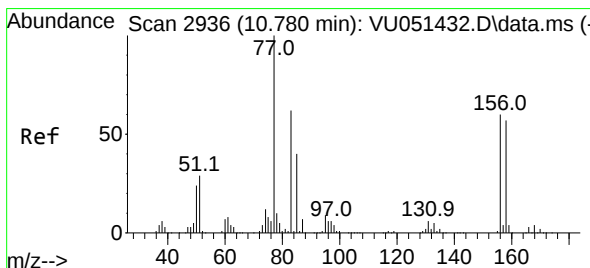
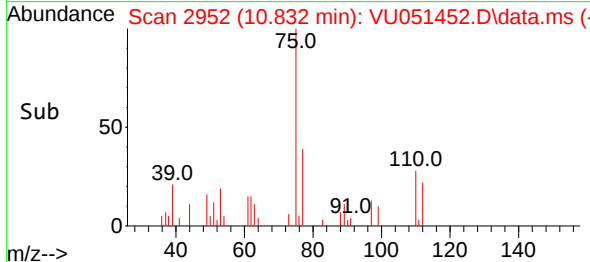
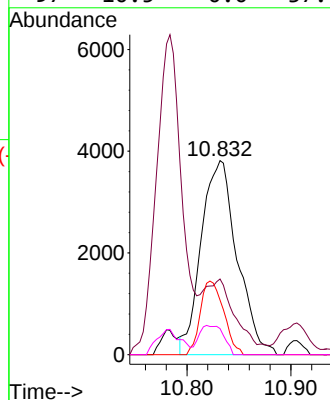
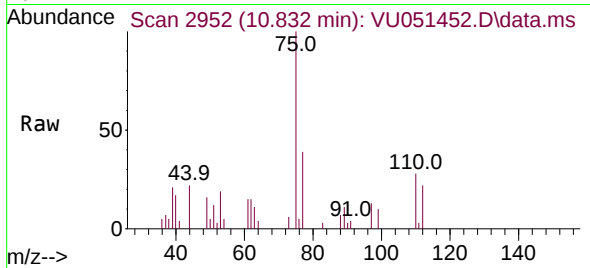




#71
1,2,3-Trichloropropane
Concen: 0.649 ug/l
RT: 10.832 min Scan# 2950
Delta R.T. 0.007 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

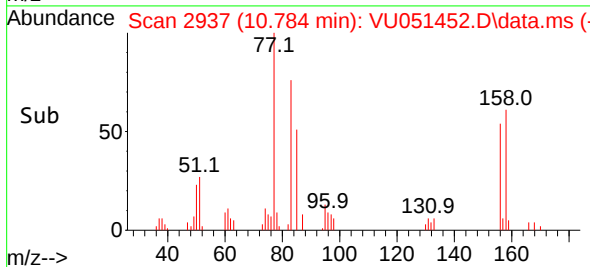
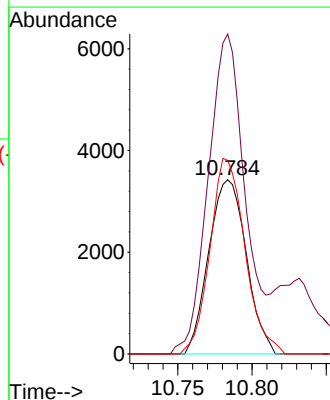
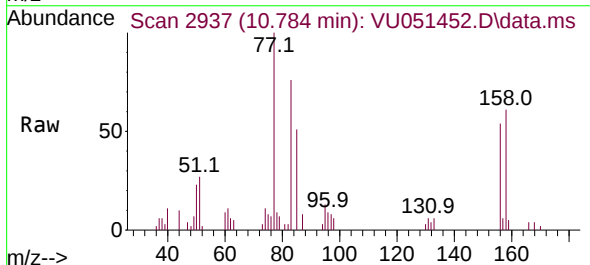
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

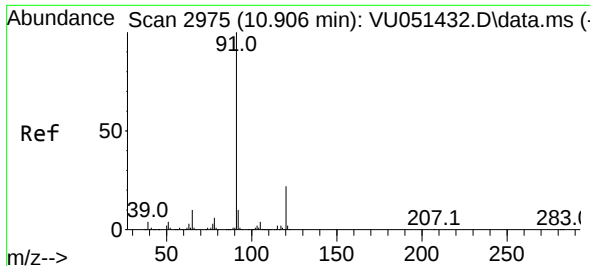
Tgt Ion:	75	Resp:	9159
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	111.0
110	24.7	0.0	70.2
97	10.5	0.0	37.4



#72
Bromobenzene
Concen: 0.364 ug/l
RT: 10.784 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:	156	Resp:	6015
Ion	Ratio	Lower	Upper
156	100		
77	178.7	0.0	343.4
158	104.7	0.0	195.6

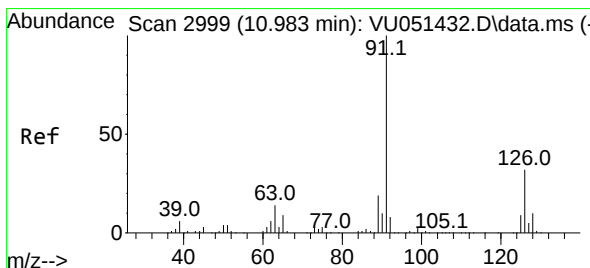
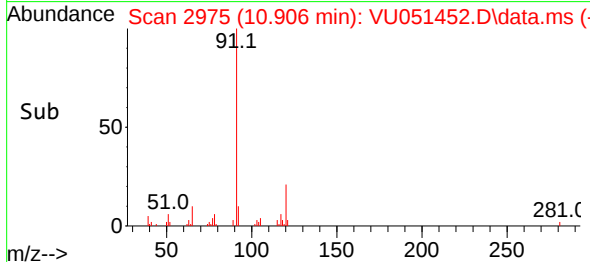
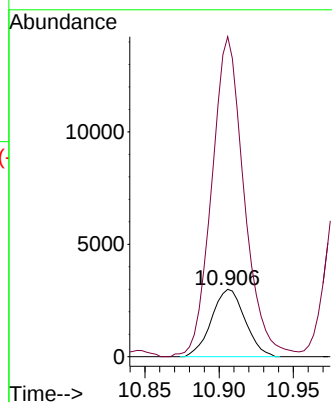
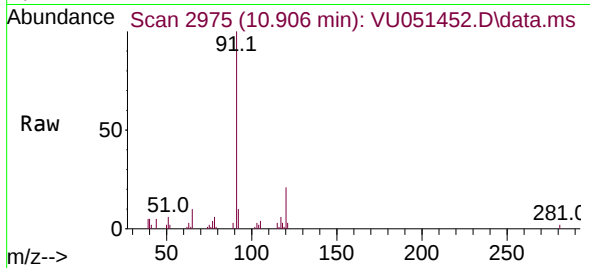




#73
n-propylbenzene
Concen: 0.277 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. -0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

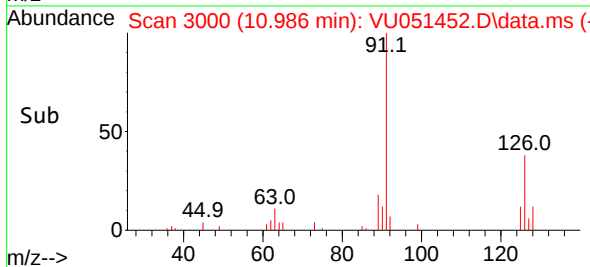
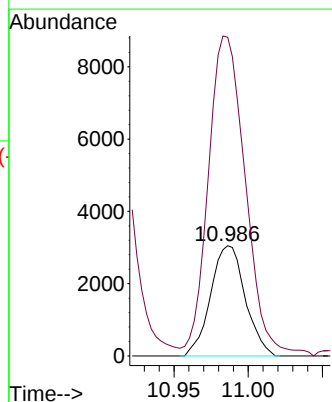
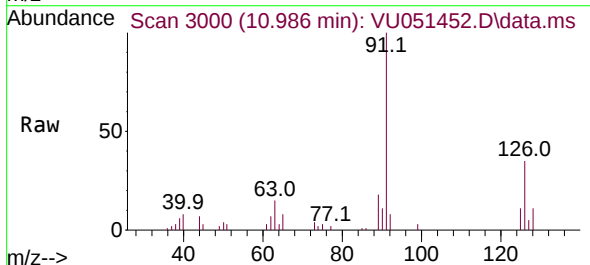
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

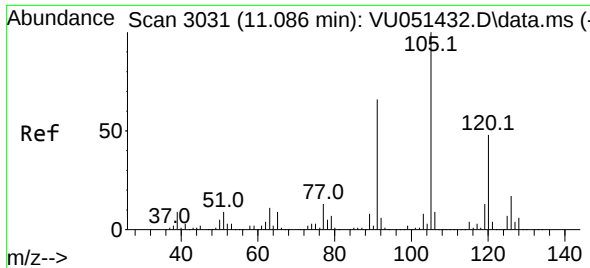
Tgt Ion:120 Resp: 4693
Ion Ratio Lower Upper
120 100
91 461.7 362.3 543.5



#74
2-Chlorotoluene
Concen: 0.307 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:126 Resp: 4936
Ion Ratio Lower Upper
126 100
91 311.8 0.0 623.2

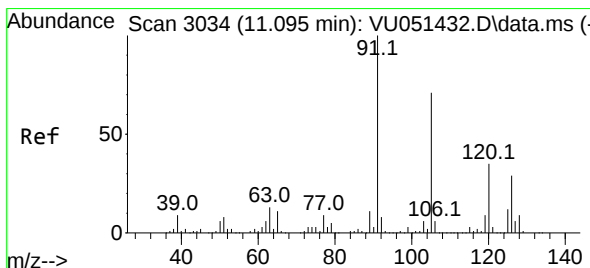
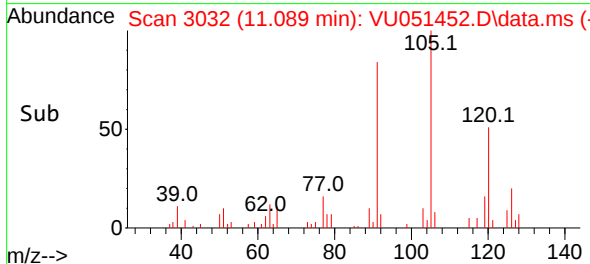
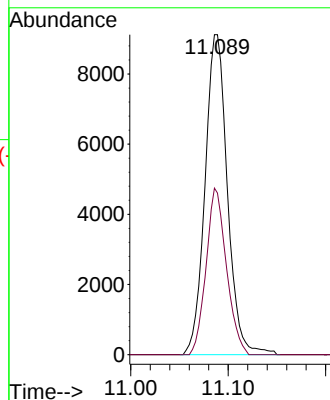
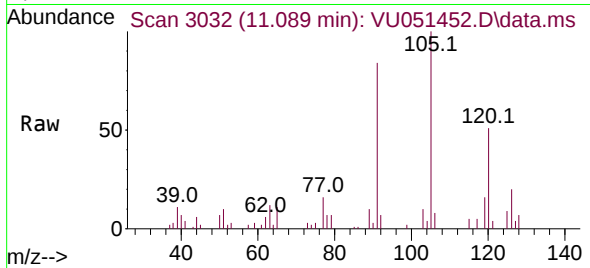




#75
1,3,5-Trimethylbenzene
Concen: 0.267 ug/l
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

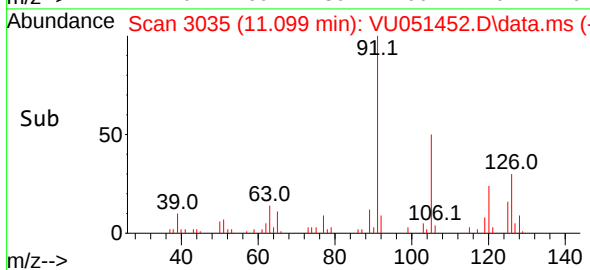
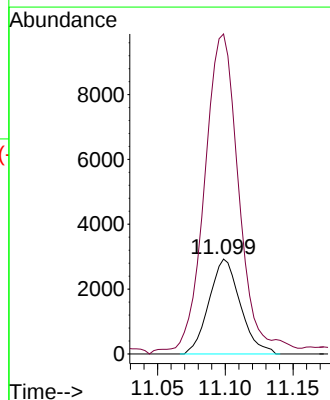
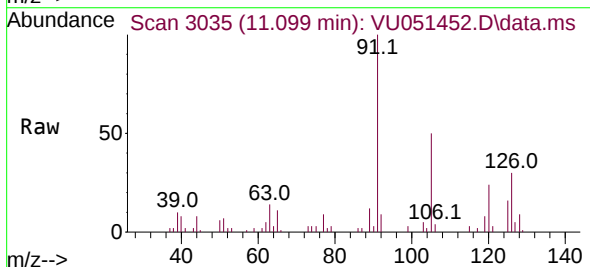
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

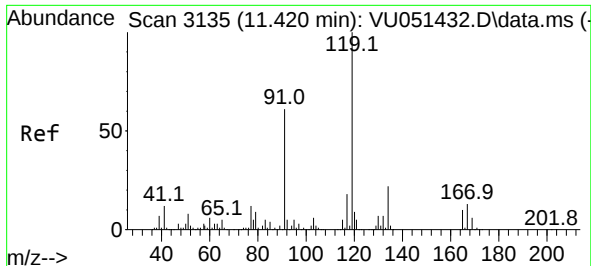
Tgt Ion:105 Resp: 14557
Ion Ratio Lower Upper
105 100
120 47.2 38.2 57.4



#76
4-Chlorotoluene
Concen: 0.285 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.004 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:126 Resp: 4695
Ion Ratio Lower Upper
126 100
91 373.7 0.0 717.6

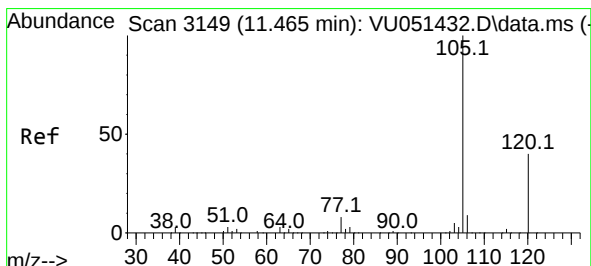
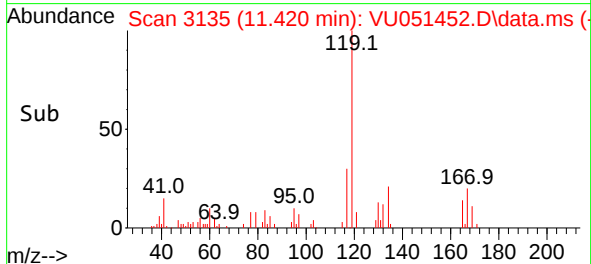
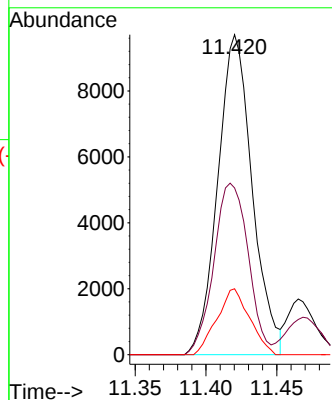
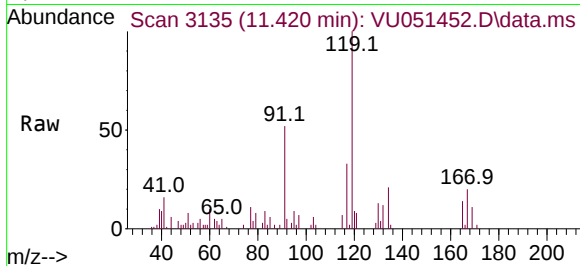




#77
tert-Butylbenzene
Concen: 0.309 ug/l
RT: 11.420 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

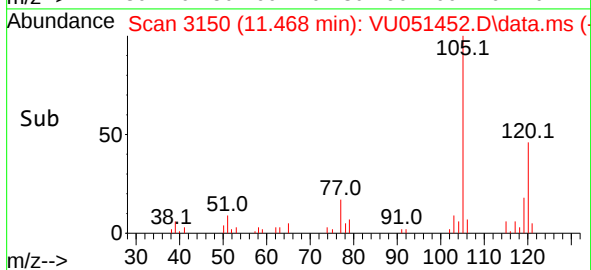
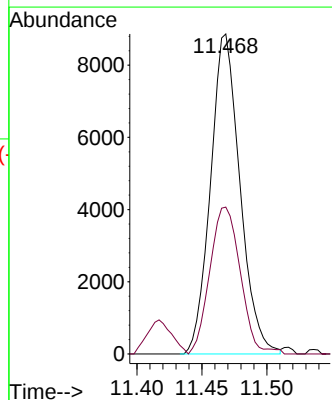
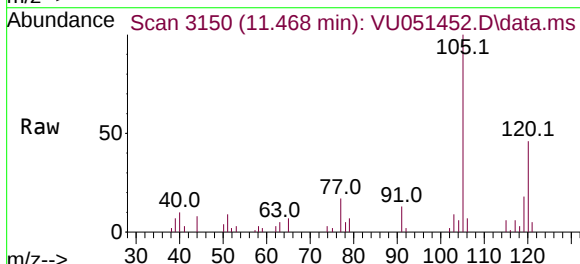
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

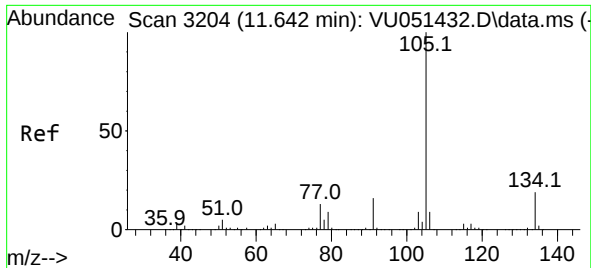
Tgt Ion:	119	Resp:	16438
Ion Ratio	Lower	Upper	
119	100		
91	53.5	29.8	89.5
134	19.6	17.9	26.9



#78
1,2,4-Trimethylbenzene
Concen: 0.246 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:	105	Resp:	13973
Ion Ratio	Lower	Upper	
105	100		
120	47.5	22.1	66.3

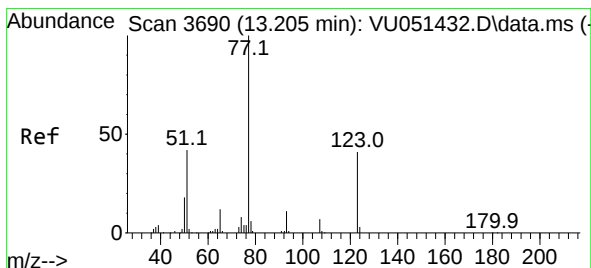
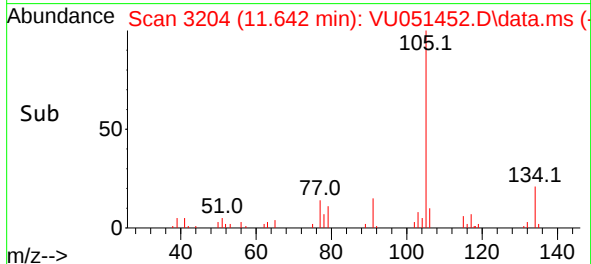
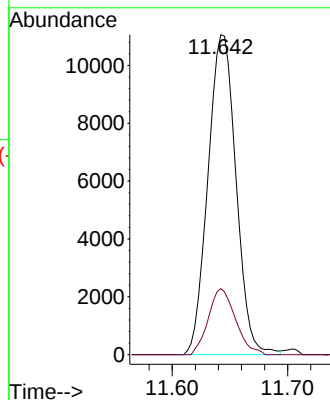
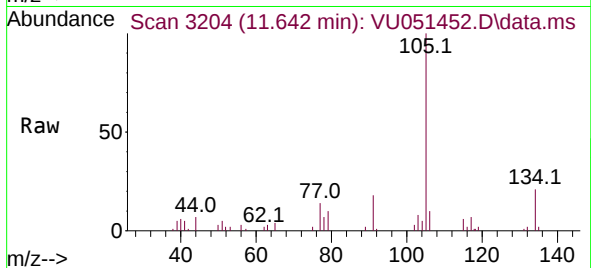




#79
 sec-Butylbenzene
 Concen: 0.265 ug/l
 RT: 11.642 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU051452.D
 Acq: 19 Oct 2022 12:27

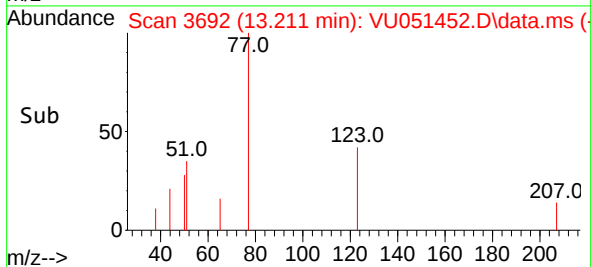
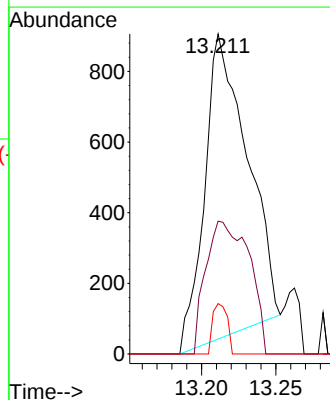
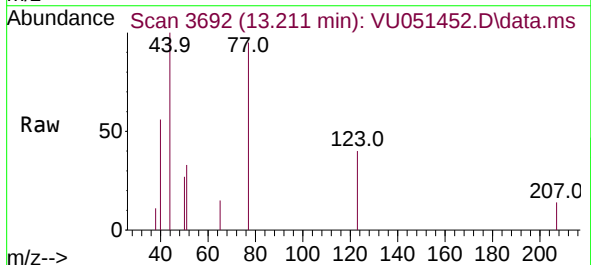
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2022

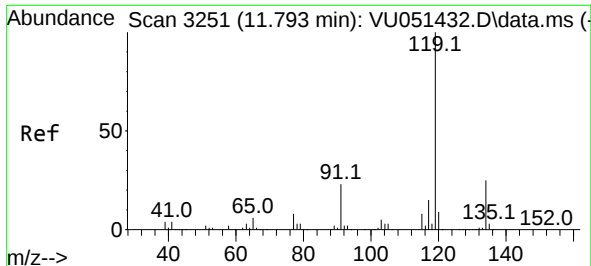
Tgt Ion:105 Resp: 18683
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.2 22.8



#80
 Nitrobenzene
 Concen: 1.825 ug/l
 RT: 13.211 min Scan# 3692
 Delta R.T. 0.007 min
 Lab File: VU051452.D
 Acq: 19 Oct 2022 12:27

Tgt Ion: 77 Resp: 1715
 Ion Ratio Lower Upper
 77 100
 123 44.5 17.5 62.1
 65 5.7 11.1 14.1#

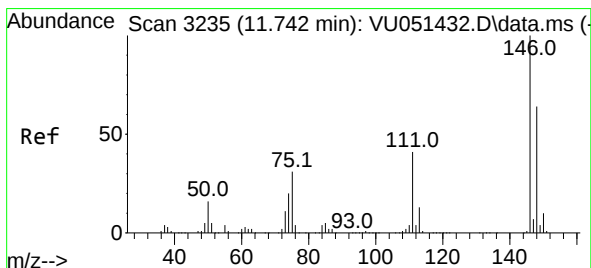
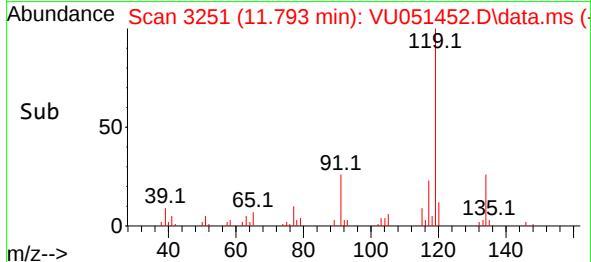
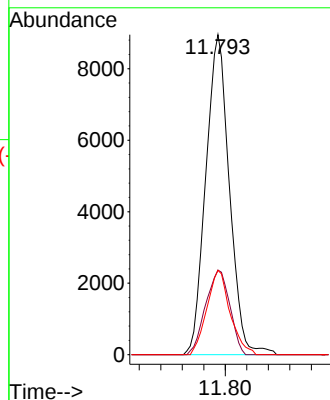
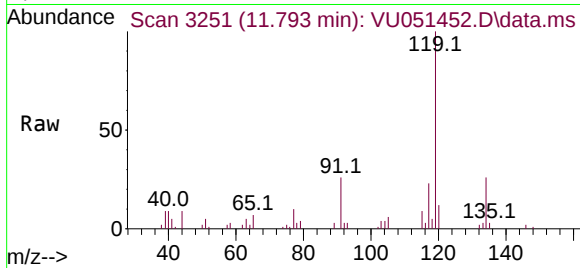




#81
p-Isopropyltoluene
Concen: 0.241 ug/l
RT: 11.793 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

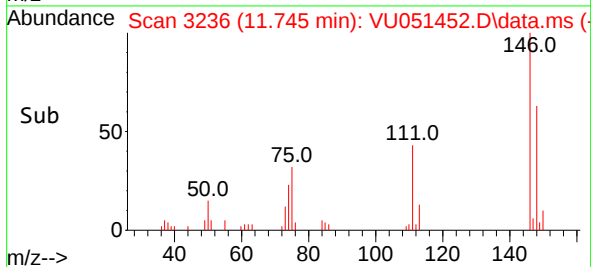
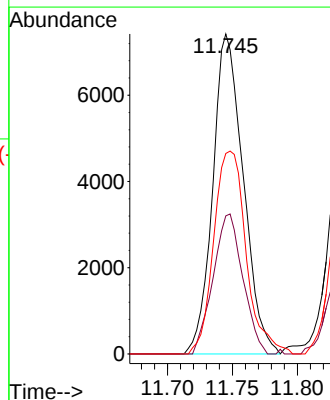
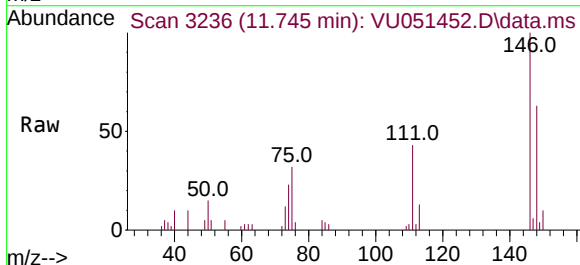
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

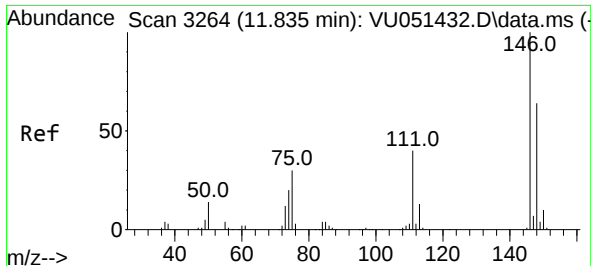
Tgt Ion:	119	Resp:	13617
Ion	Ratio	Lower	Upper
119	100		
134	27.0	20.3	30.5
91	25.9	18.6	27.8



#82
1,3-Dichlorobenzene
Concen: 0.341 ug/l
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:	146	Resp:	12091
Ion	Ratio	Lower	Upper
146	100		
111	42.6	33.4	50.0
148	67.5	51.0	76.6

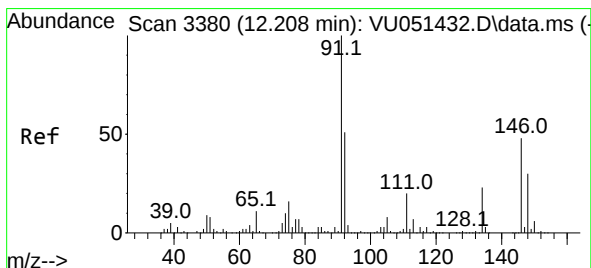
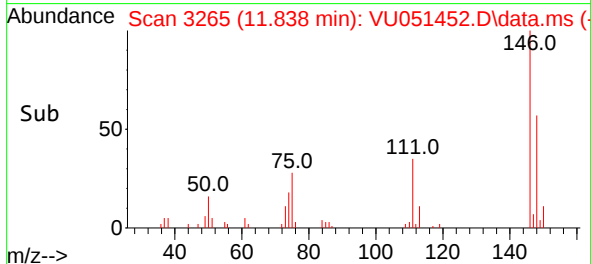
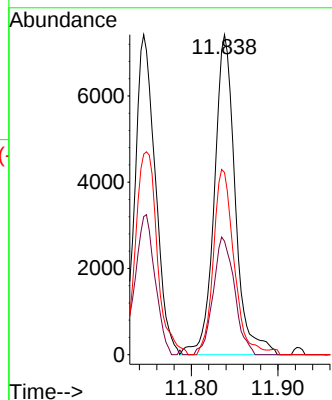
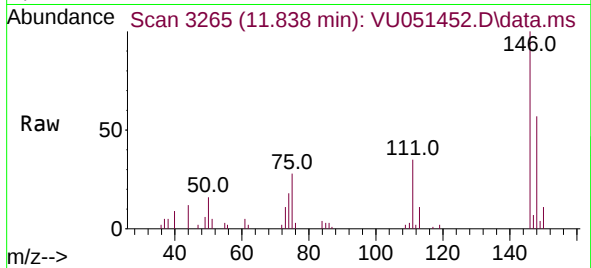




#83
1,4-Dichlorobenzene
Concen: 0.358 ug/l
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

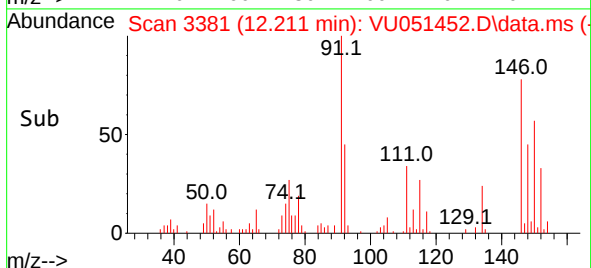
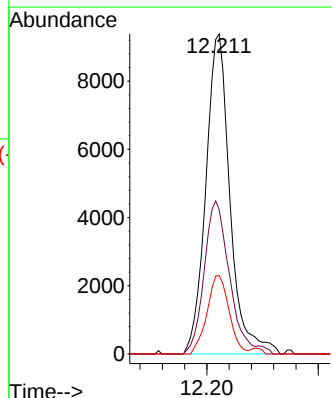
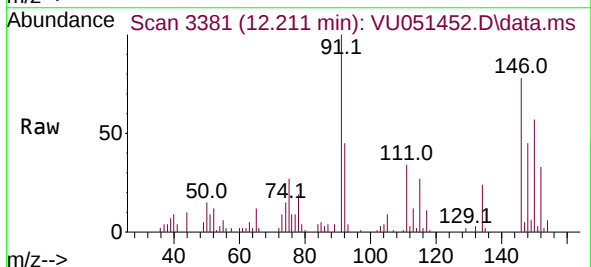
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

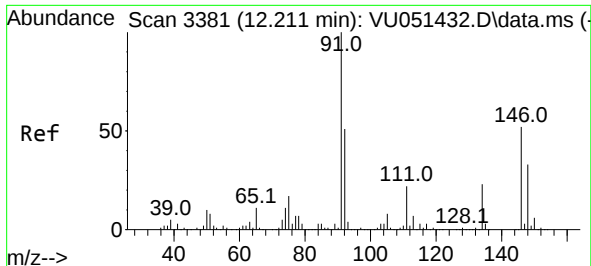
Tgt Ion:146 Resp: 12437
Ion Ratio Lower Upper
146 100
111 37.3 31.6 47.4
148 56.8 50.5 75.7



#84
n-Butylbenzene
Concen: 0.253 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 91 Resp: 14154
Ion Ratio Lower Upper
91 100
92 50.3 40.6 61.0
134 22.4 18.3 27.5

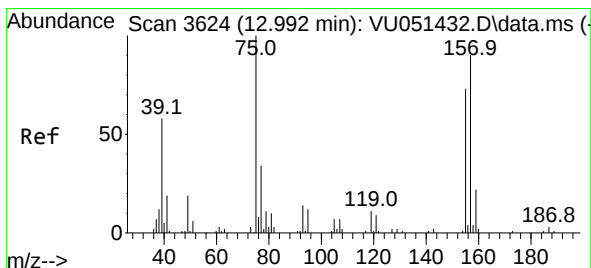
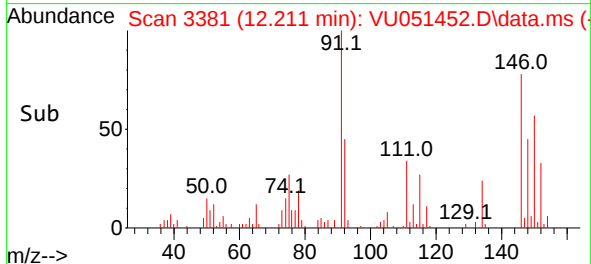
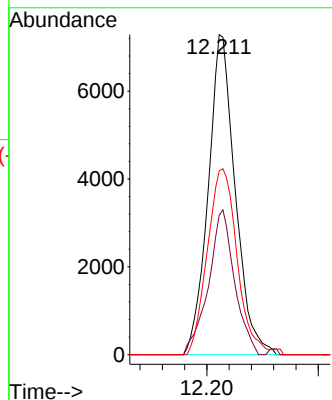
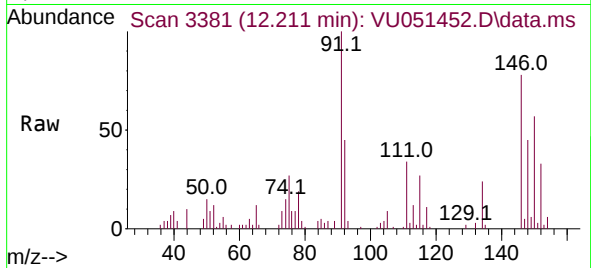




#85
1,2-Dichlorobenzene
Concen: 0.351 ug/l
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

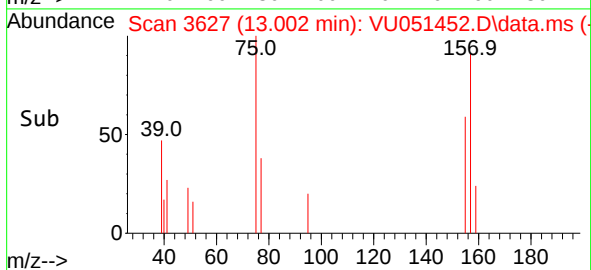
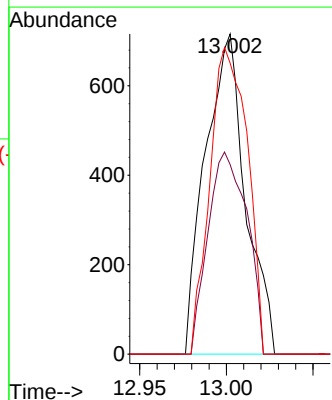
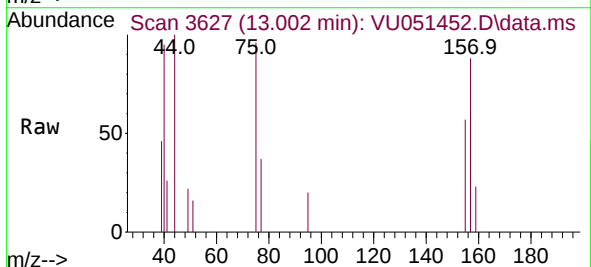
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

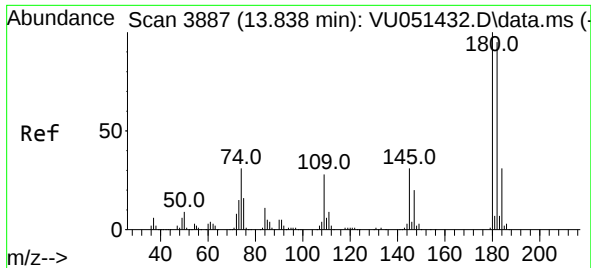
Tgt Ion:146 Resp: 12281
Ion Ratio Lower Upper
146 100
111 43.6 21.3 63.9
148 64.3 31.8 95.4



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.388 ug/l
RT: 13.002 min Scan# 3627
Delta R.T. 0.010 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion: 75 Resp: 1153
Ion Ratio Lower Upper
75 100
155 61.7 58.5 87.7
157 89.7 75.3 112.9

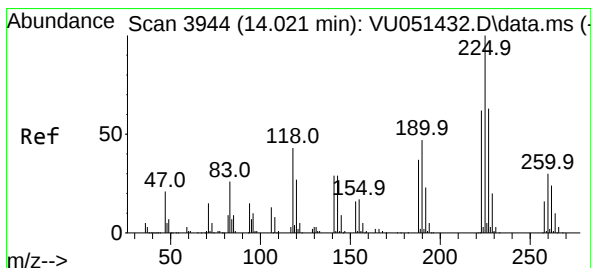
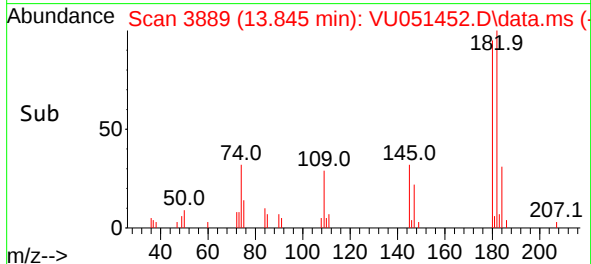
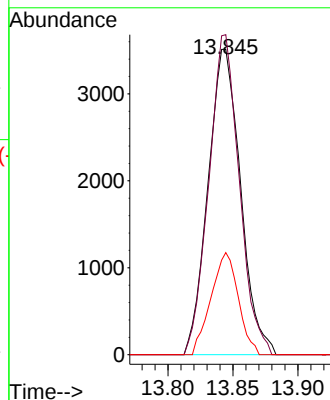
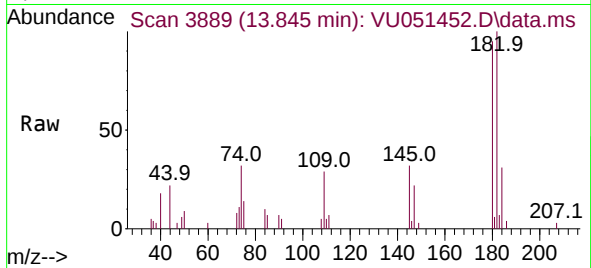




#87
1,2,4-Trichlorobenzene
Concen: 0.323 ug/l
RT: 13.845 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

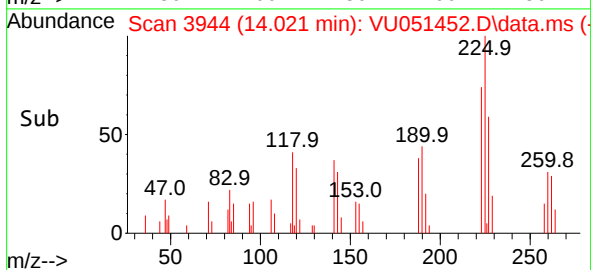
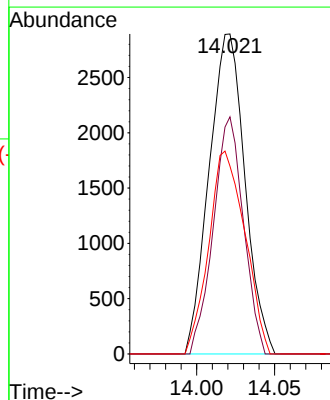
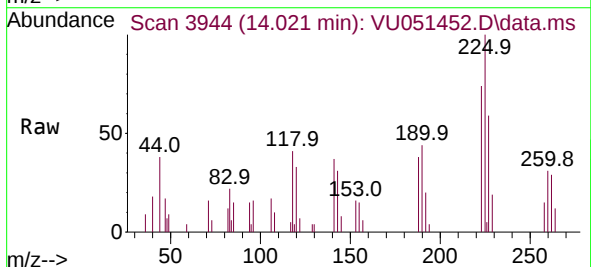
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

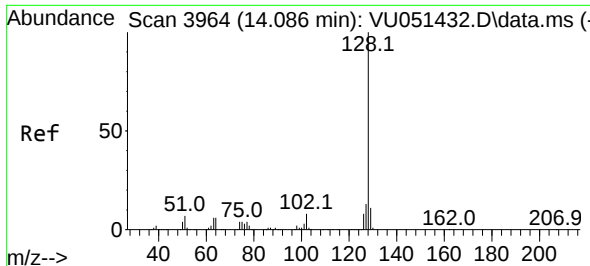
Tgt Ion:180 Resp: 6116
Ion Ratio Lower Upper
180 100
182 98.1 75.9 113.9
145 28.0 24.9 37.3



#88
Hexachlorobutadiene
Concen: 0.375 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.000 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:225 Resp: 4628
Ion Ratio Lower Upper
225 100
223 62.1 50.1 75.1
227 64.0 51.4 77.2

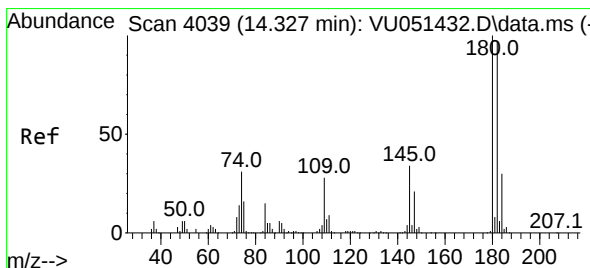
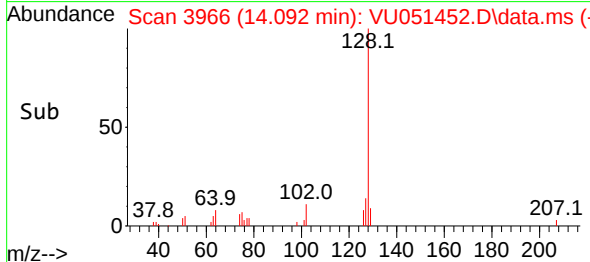
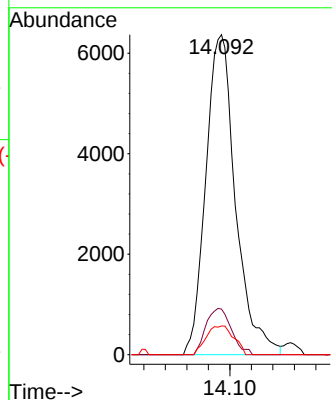
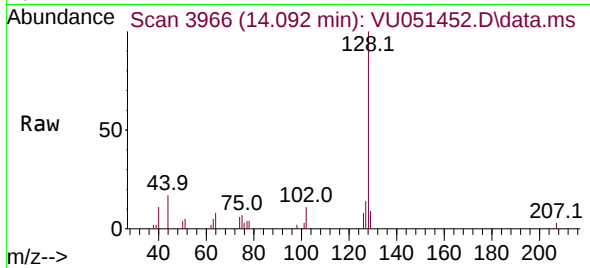




#89
Naphthalene
Concen: 0.308 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

Tgt Ion:128 Resp: 12226
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 8.3 8.4 12.6#



#90
1,2,3-Trichlorobenzene
Concen: 0.309 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051452.D
Acq: 19 Oct 2022 12:27

Tgt Ion:180 Resp: 6413
Ion Ratio Lower Upper
180 100
182 87.7 75.8 113.6
145 28.4 26.6 39.8

