

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110322\
 Data File : VU051737.D
 Acq On : 03 Nov 2022 16:39
 Operator : JC/MD
 Sample : N4015-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2022-05

Quant Time: Nov 04 00:52:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 04 00:49:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	185869	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207319	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	99997	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55924	3.995	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.912	69	56230	3.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.565	65	23695	4.664	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	4.620	46	167343	33.008	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.020%
24) Chloroform-d	5.060	84	129554	3.955	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
26) 1,2-Dichloroethane-d4	5.700	65	64771	3.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
32) Benzene-d6	5.726	84	240041	3.669	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
36) 1,2-Dichloropropane-d6	6.690	67	82548	3.608	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.200%
41) Toluene-d8	7.896	98	196610	3.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.176	79	25681	3.671	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.629	63	129384	30.726	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	61.460%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	76113	3.631	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	76034	4.143	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	11178	0.550	ug/L	97
3) Chloromethane	1.523	50	13316	0.520	ug/L	97
5) Vinyl chloride	1.604	62	13687	0.558	ug/L #	1
6) Bromomethane	1.854	94	2304	0.198	ug/L	99
8) Chloroethane	1.932	64	9065	0.608	ug/L #	60
9) Trichlorofluoromethane	2.137	101	15129	0.561	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	9311	0.588	ug/L	94
12) 1,1-Dichloroethene	2.578	96	9196	0.569	ug/L #	1
13) Acetone	2.623	43	16872	6.559	ug/L	99
14) Carbon disulfide	2.790	76	36219	0.695	ug/L	97
15) Methyl Acetate	2.951	43	3917	0.582	ug/L	97
16) Methylene chloride	3.044	84	22106	0.835	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	18847	0.509	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	9611	0.554	ug/L	97
19) 1,1-Dichloroethane	3.867	63	18280	0.571	ug/L	97
21) 2-Butanone	4.706	43	22114	5.490	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	10404	0.542	ug/L	95
23) Bromochloromethane	4.973	128	4876	0.543	ug/L	90
25) Chloroform	5.083	83	19754	0.595	ug/L	99

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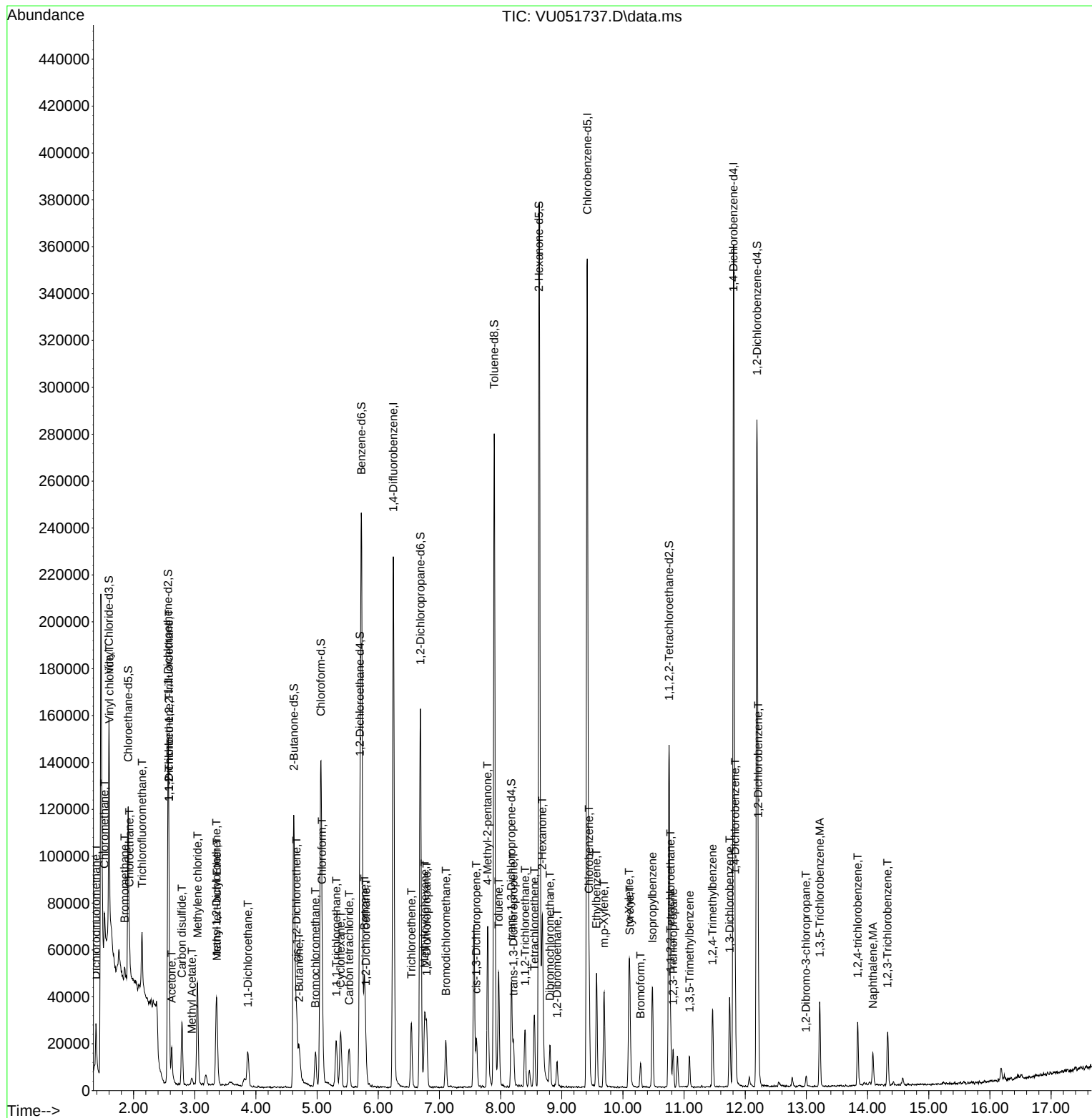
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	11398	0.558	ug/L	96
29) 1,1,1-Trichloroethane	5.314	97	13708	0.487	ug/L	96
30) Cyclohexane	5.385	56	10441	0.403	ug/L	88
31) Carbon tetrachloride	5.523	117	12455	0.517	ug/L	92
33) Benzene	5.774	78	40480	0.495	ug/L	100
34) Trichloroethene	6.542	95	9669	0.490	ug/L	93
35) Methylcyclohexane	6.761	83	10356	0.379	ug/L	98
37) 1,2-Dichloropropane	6.790	63	10182	0.484	ug/L	98
38) Bromodichloromethane	7.105	83	13571	0.528	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	12009	0.445	ug/L	95
40) 4-Methyl-2-pentanone	7.787	43	43669	4.137	ug/L	96
42) Toluene	7.970	91	37224	0.443	ug/L	96
44) trans-1,3-Dichloropropene	8.211	75	11330	0.502	ug/L	92
45) 1,1,2-Trichloroethane	8.401	97	7950	0.516	ug/L	97
47) Tetrachloroethene	8.552	164	7135	0.472	ug/L	96
48) 2-Hexanone	8.684	43	39219	5.020	ug/L	99
49) Dibromochloromethane	8.809	129	8916	0.506	ug/L	92
50) 1,2-Dibromoethane	8.922	107	7225	0.519	ug/L	96
51) Chlorobenzene	9.446	112	25849	0.489	ug/L	98
52) Ethylbenzene	9.568	91	33839	0.417	ug/L	94
53) m,p-Xylene	9.693	106	12045	0.383	ug/L	94
54) o-Xylene	10.098	106	10567	0.343	ug/L	92
55) Styrene	10.115	104	17779	0.346	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.780	83	9782	0.512	ug/L	98
59) Bromoform	10.288	173	4919	0.532	ug/L #	95
60) Isopropylbenzene	10.481	105	26997	0.370	ug/L	97
61) 1,2,3-Trichloropropane	10.822	75	6975	0.539	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	7052	0.359	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	18698	0.330	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	16449	0.453	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	16913	0.464	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	16555	0.468	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.992	75	1547	0.581	ug/L	82
69) 1,3,5-Trichlorobenzene	13.217	180	11807	0.456	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	9065	0.456	ug/L	92
71) Naphthalene	14.085	128	12492	0.337	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	8493	0.423	ug/L	98

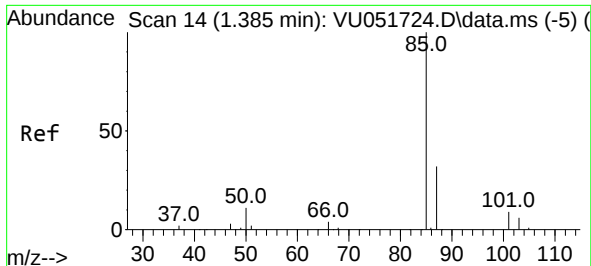
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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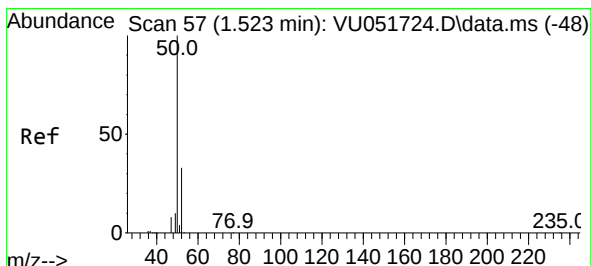
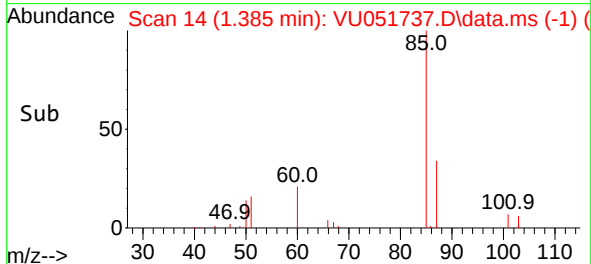
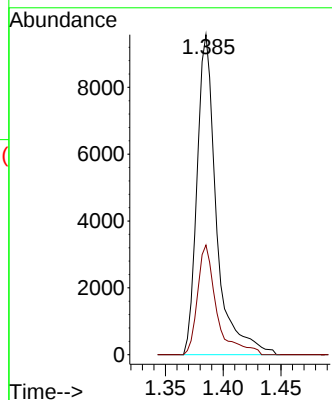
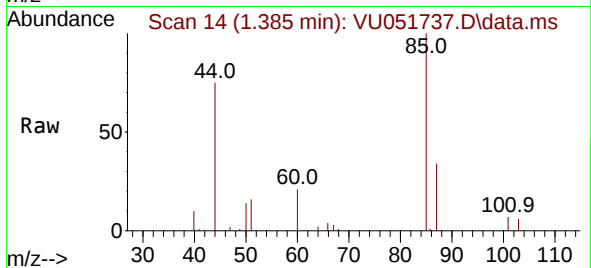




#2
Dichlorodifluoromethane
Concen: 0.550 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

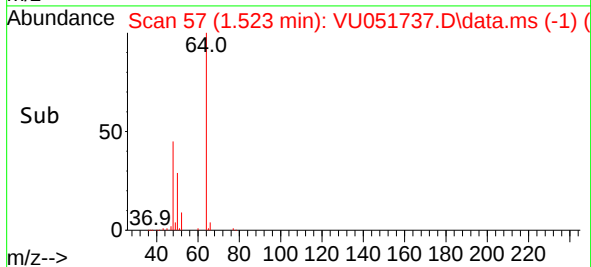
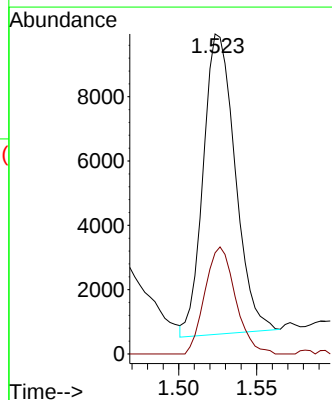
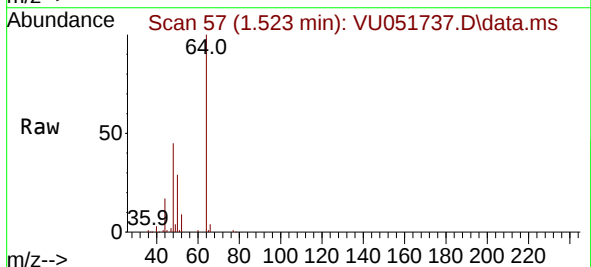
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

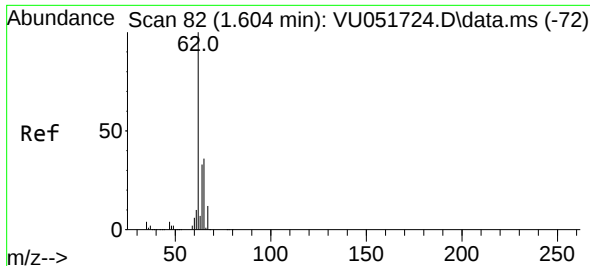
Tgt Ion: 85 Resp: 11178
Ion Ratio Lower Upper
85 100
87 33.8 25.7 38.5



#3
Chloromethane
Concen: 0.520 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion: 50 Resp: 13316
Ion Ratio Lower Upper
50 100
52 31.6 23.2 43.2

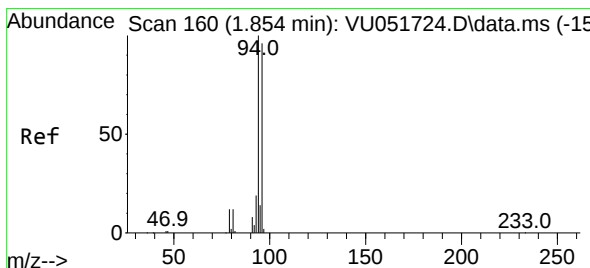
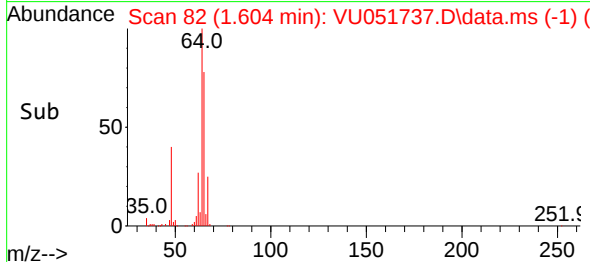
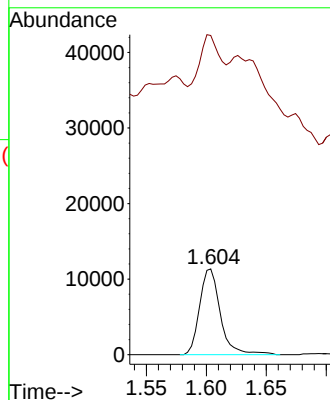
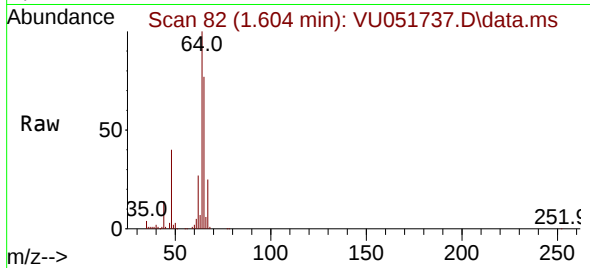




#5
 Vinyl chloride
 Concen: 0.558 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051737.D
 Acq: 03 Nov 2022 16:39

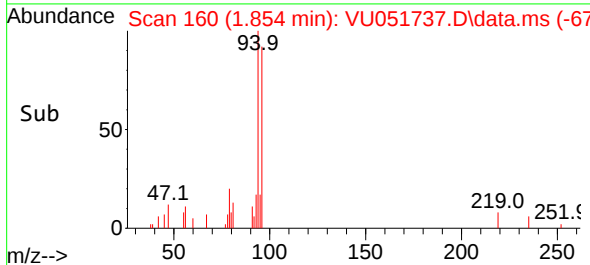
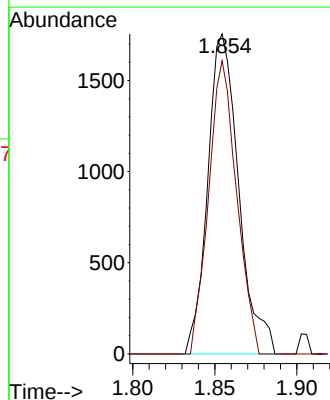
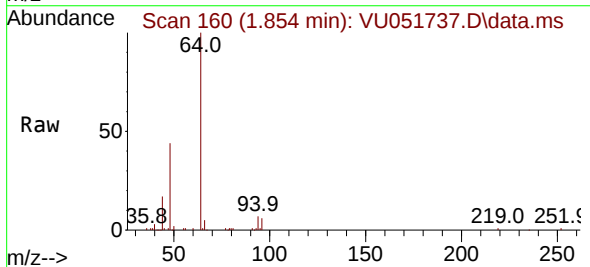
Instrument :
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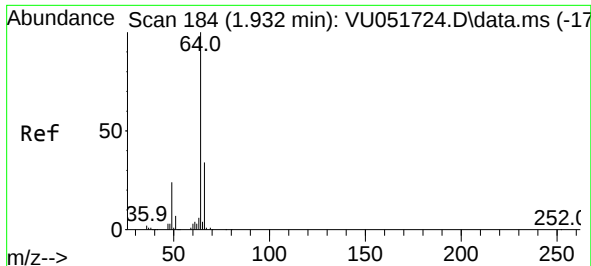
Tgt Ion: 62 Resp: 13687
 Ion Ratio Lower Upper
 62 100
 64 372.1 22.1 41.1#



#6
 Bromomethane
 Concen: 0.198 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU051737.D
 Acq: 03 Nov 2022 16:39

Tgt Ion: 94 Resp: 2304
 Ion Ratio Lower Upper
 94 100
 96 91.6 63.2 117.4

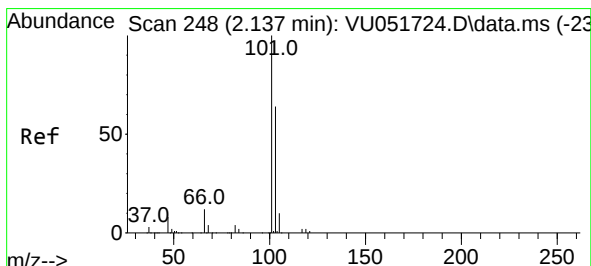
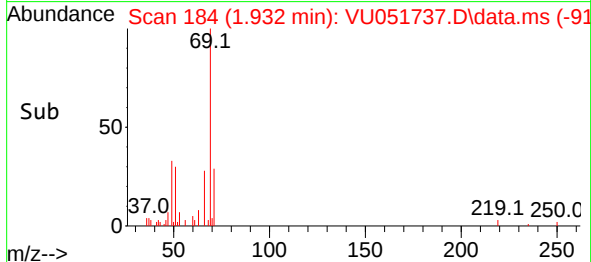
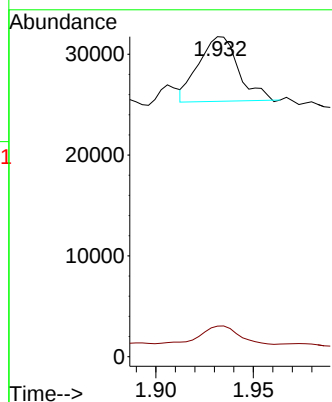
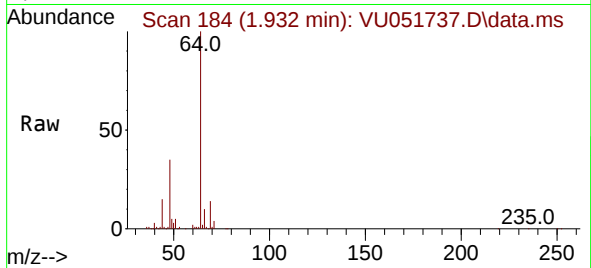




#8
Chloroethane
Concen: 0.608 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

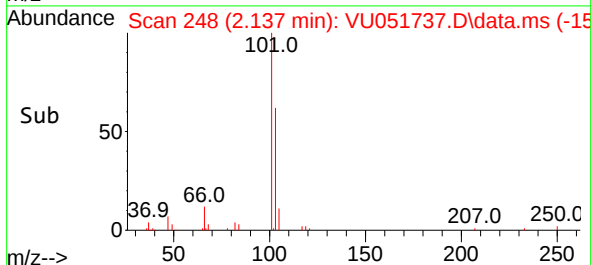
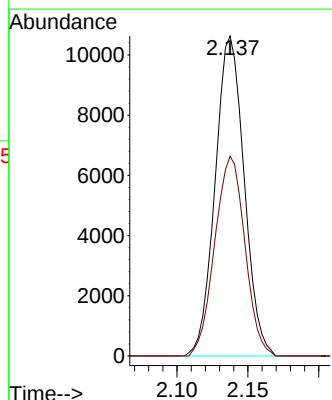
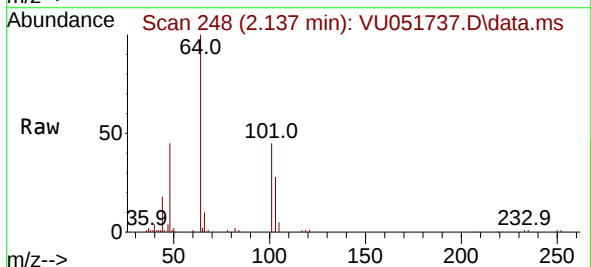
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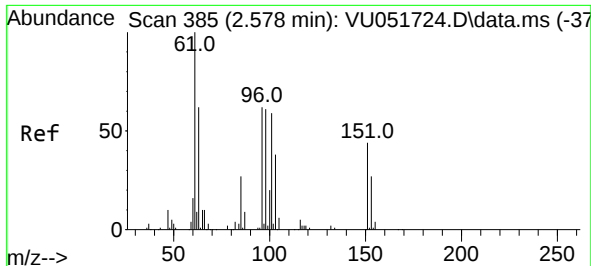
Tgt Ion: 64 Resp: 9065
Ion Ratio Lower Upper
64 100
66 9.6 22.3 41.5#



#9
Trichlorofluoromethane
Concen: 0.561 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion: 101 Resp: 15129
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6

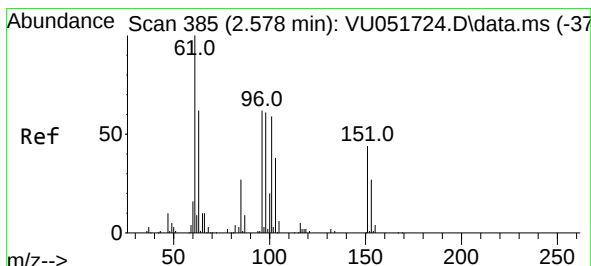
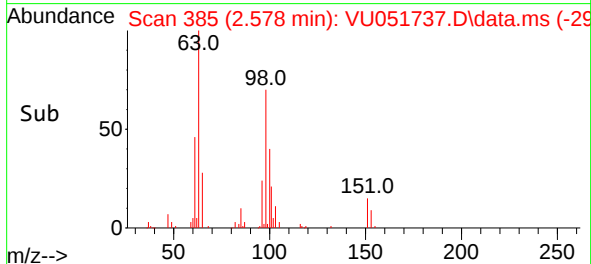
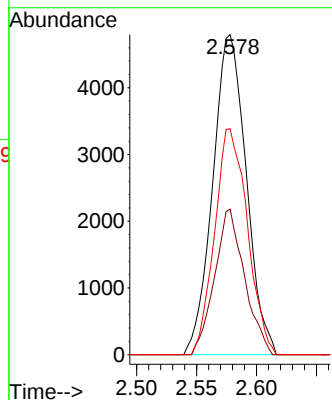
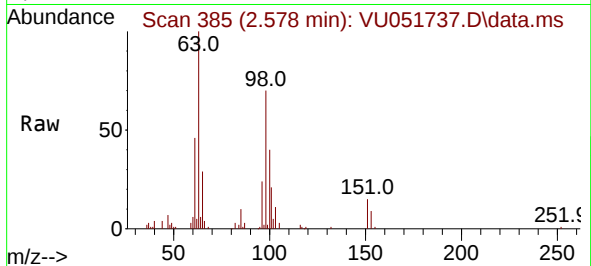




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.588 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051737.D
 Acq: 03 Nov 2022 16:39

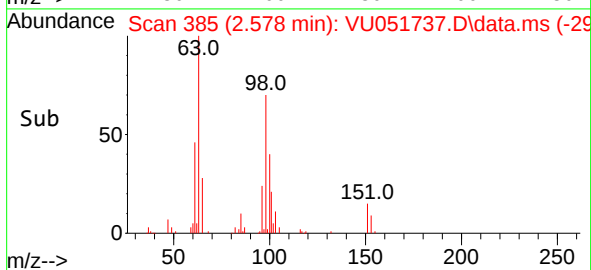
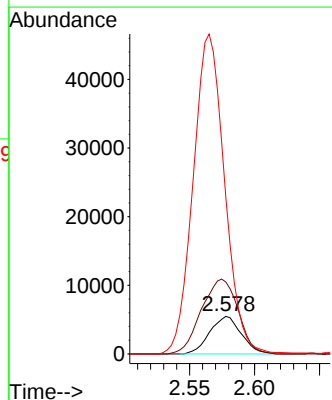
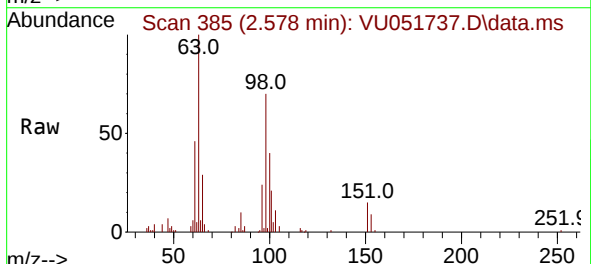
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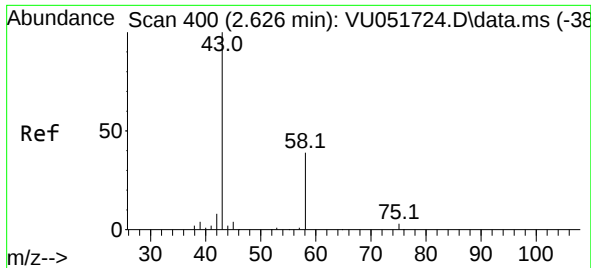
Tgt Ion:	101	Resp:	9311
Ion	Ratio	Lower	Upper
101	100		
85	40.8	35.6	53.4
151	69.0	59.6	89.4



#12
 1,1-Dichloroethene
 Concen: 0.569 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051737.D
 Acq: 03 Nov 2022 16:39

Tgt Ion:	96	Resp:	9196
Ion	Ratio	Lower	Upper
96	100		
61	191.2	108.8	202.0
63	417.1	64.9	120.5





#13

Acetone

Concen: 6.559 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU051737.D

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Instrument :

MSVOA_U

ClientSampleId :

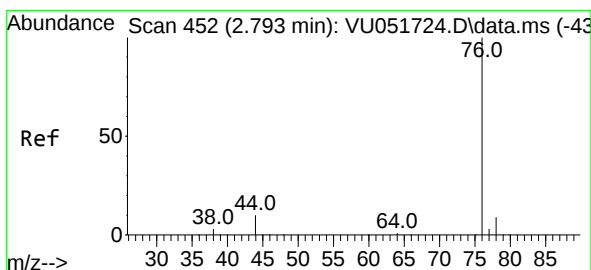
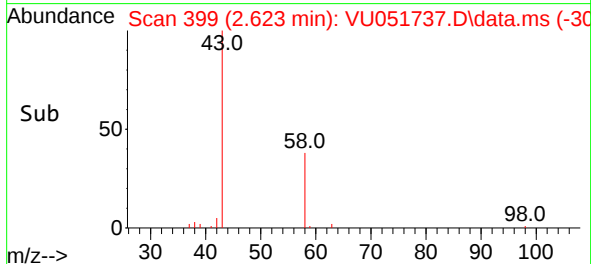
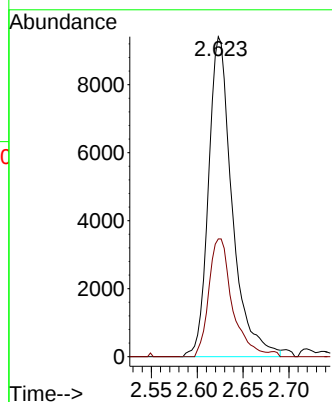
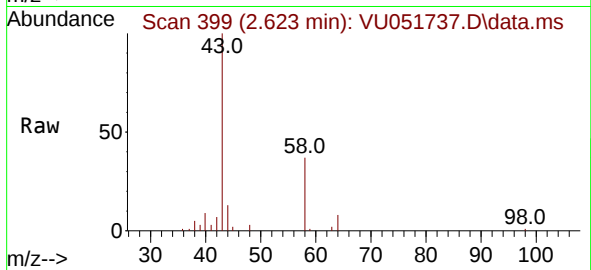
MDL-WATER-QT3-2022-05

Tgt Ion: 43 Resp: 16872

Ion Ratio Lower Upper

43 100

58 36.5 0.0 73.8



#14

Carbon disulfide

Concen: 0.695 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU051737.D

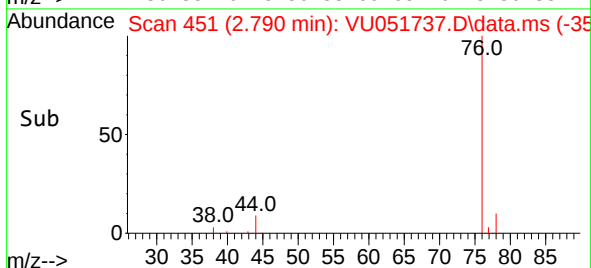
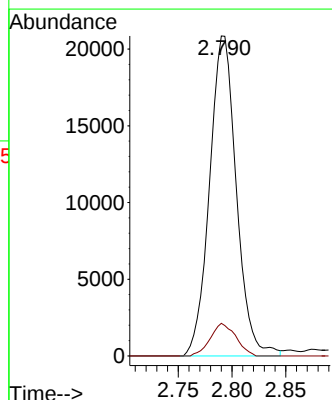
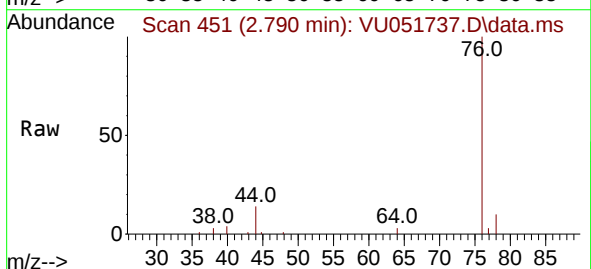
Acq: 03 Nov 2022 16:39

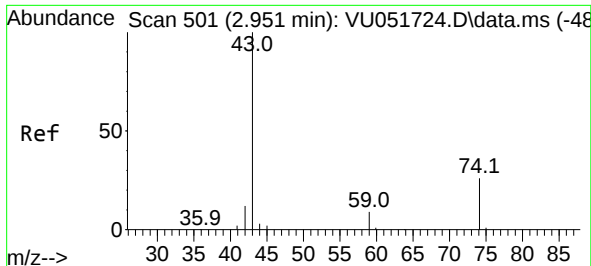
Tgt Ion: 76 Resp: 36219

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

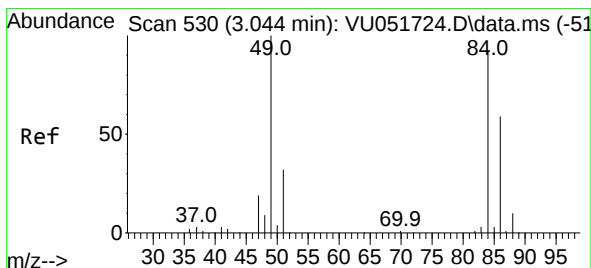
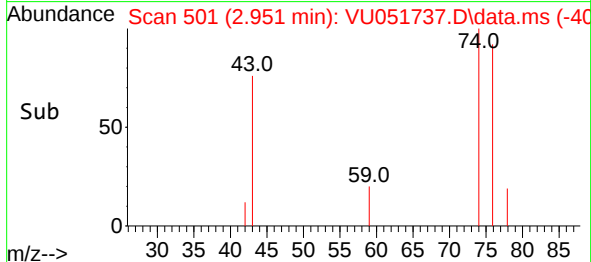
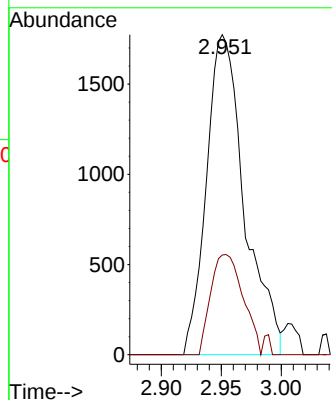
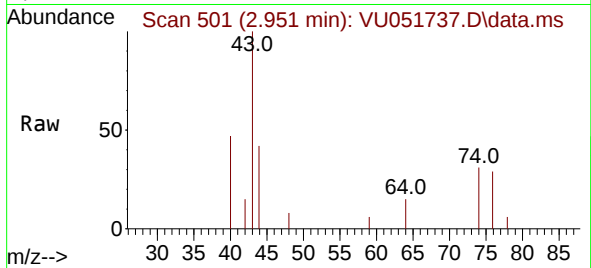




#15
Methyl Acetate
Concen: 0.582 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

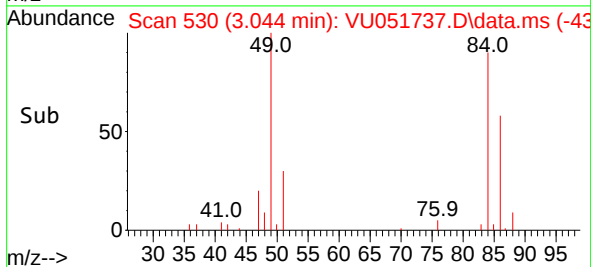
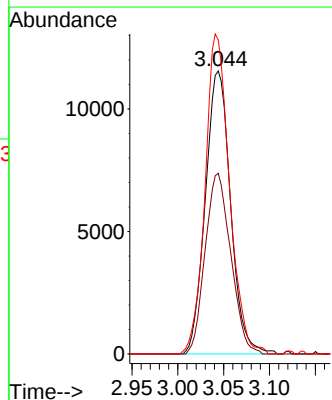
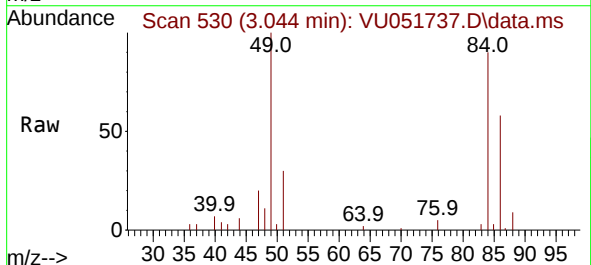
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

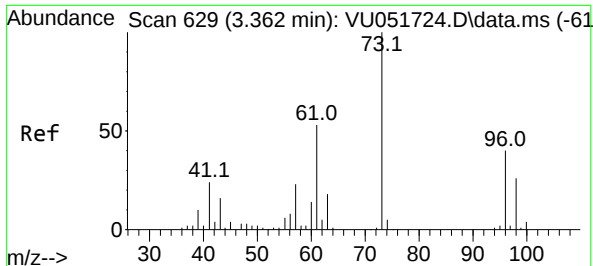
Tgt Ion: 43 Resp: 3917
Ion Ratio Lower Upper
43 100
74 26.6 20.2 30.4



#16
Methylene chloride
Concen: 0.835 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion: 84 Resp: 22106
Ion Ratio Lower Upper
84 100
86 63.8 46.3 85.9
49 110.9 76.0 141.2

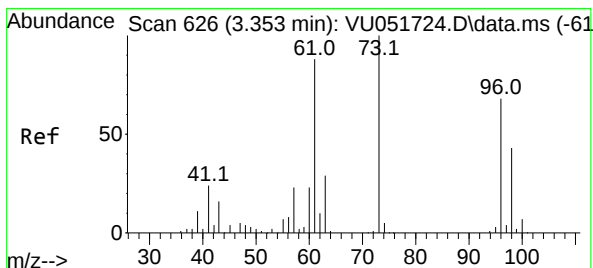
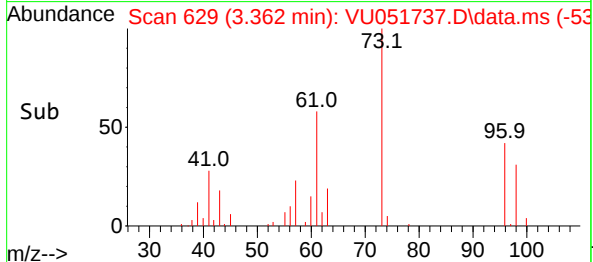
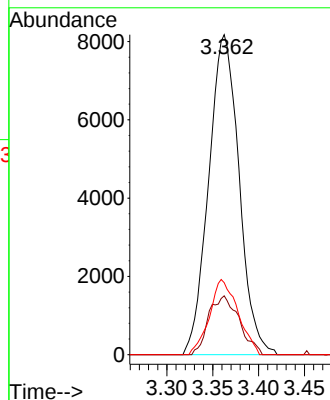
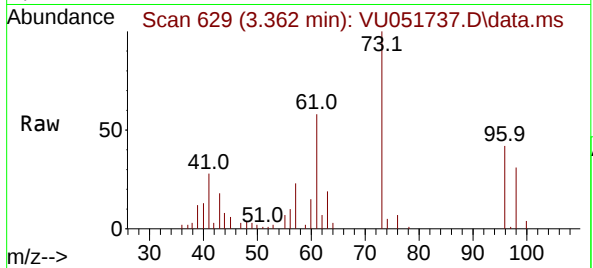




#17
Methyl tert-butyl Ether
Concen: 0.509 ug/L
RT: 3.362 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

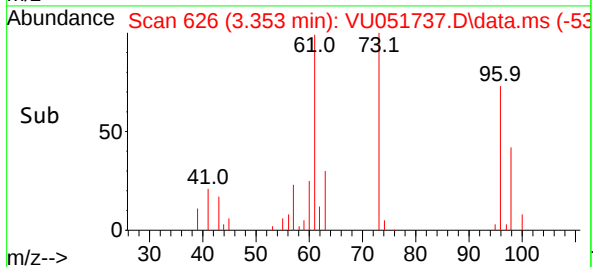
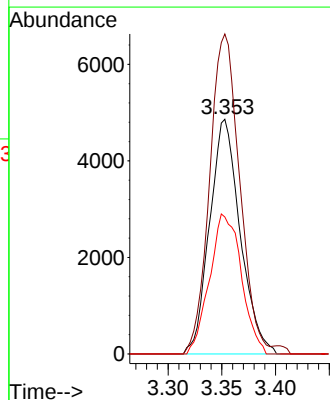
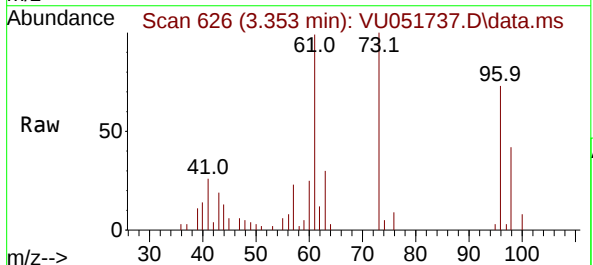
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

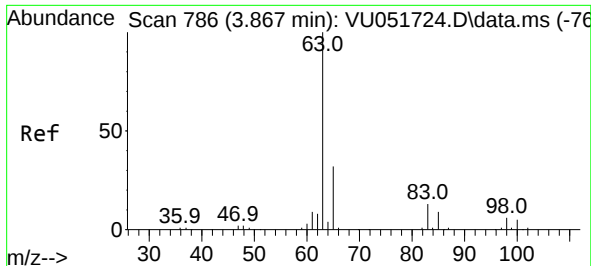
Tgt Ion: 73	Resp: 18847
Ion Ratio	Lower Upper
73 100	
43 18.5	13.6 20.4
57 22.0	17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 0.554 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion: 96	Resp: 9611		
Ion Ratio	Lower	Upper	
96	100		
61	136.3	94.7	175.9
98	58.4	44.2	82.0

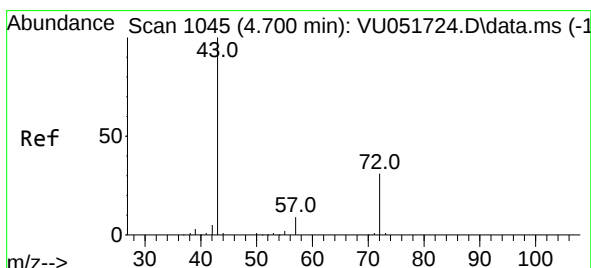
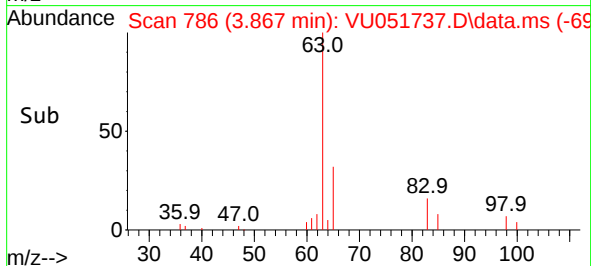
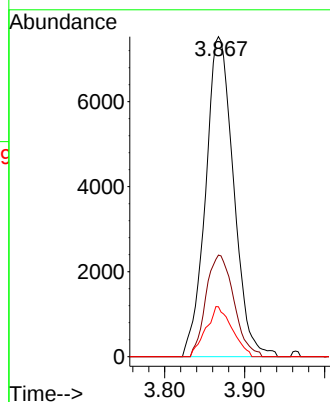
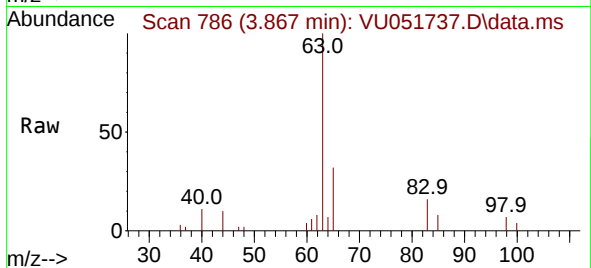




#19
1,1-Dichloroethane
Concen: 0.571 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

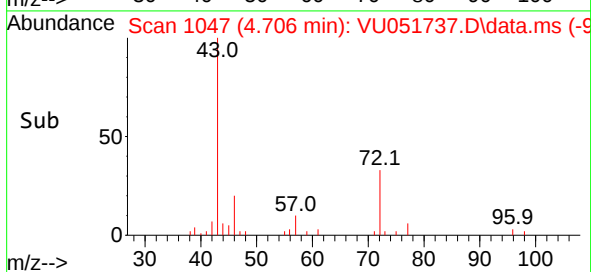
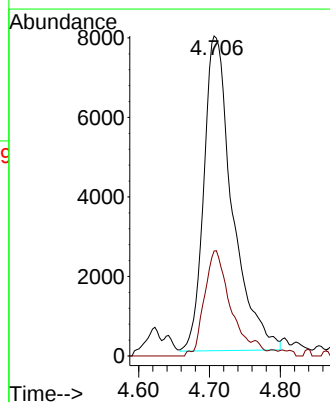
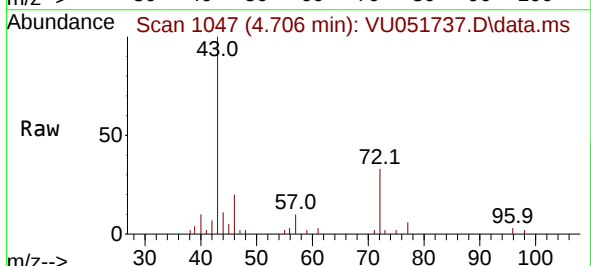
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

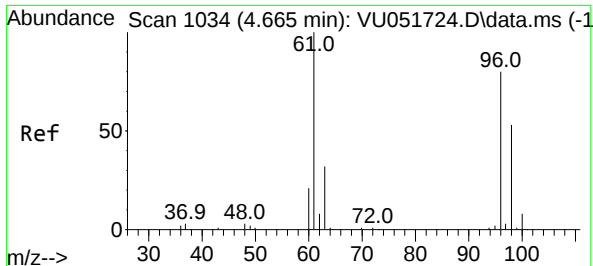
Tgt Ion:	63	Resp:	18280
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.7	42.1
83	15.6	9.2	17.0



#21
2-Butanone
Concen: 5.490 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. 0.007 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion:	43	Resp:	22114
Ion	Ratio	Lower	Upper
43	100		
72	29.7	16.2	48.5



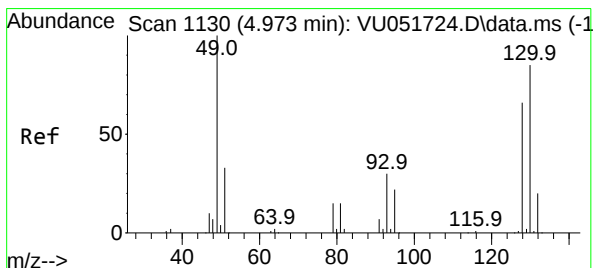
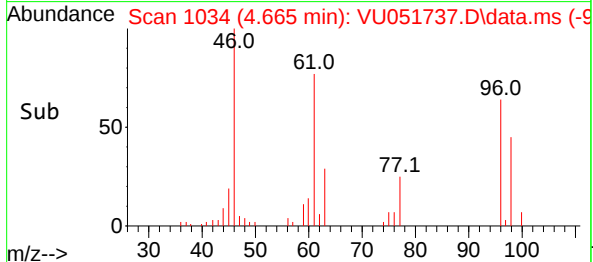
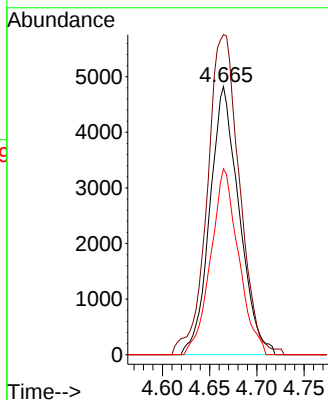
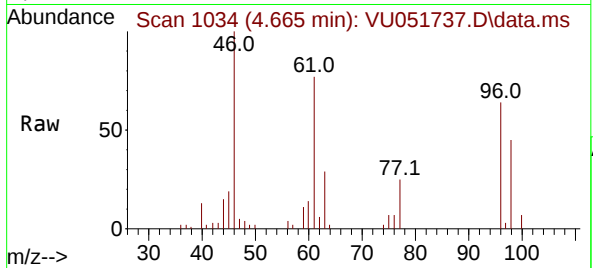


#22
 cis-1,2-Dichloroethene
 Concen: 0.542 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU051737.D
 Acq: 03 Nov 2022 16:39

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2022-05

Tgt Ion: 96 Resp: 10404

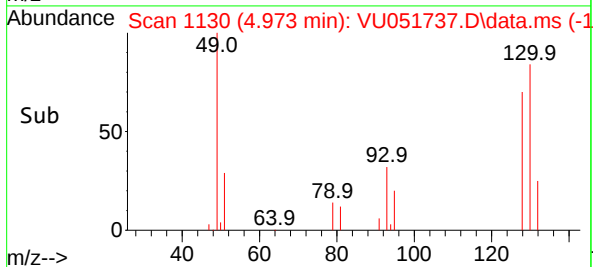
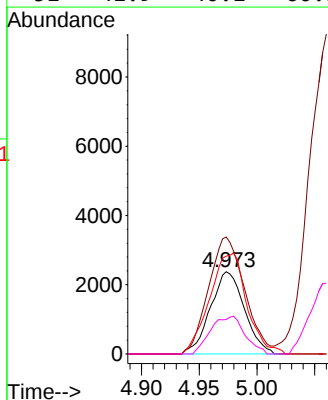
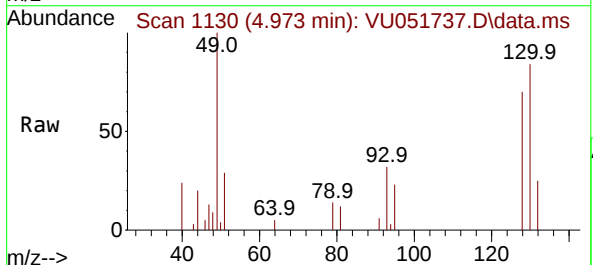
Ion	Ratio	Lower	Upper
96	100		
61	119.4	86.4	160.4
98	69.4	44.2	82.2

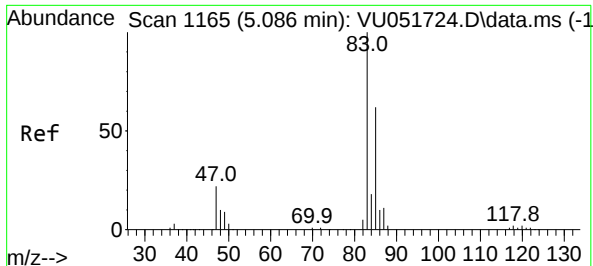


#23
 Bromochloromethane
 Concen: 0.543 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU051737.D
 Acq: 03 Nov 2022 16:39

Tgt Ion: 128 Resp: 4876

Ion	Ratio	Lower	Upper
128	100		
49	142.1	105.5	195.9
130	118.9	93.5	173.7
51	41.9	40.1	60.1





#25

Chloroform

Concen: 0.595 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

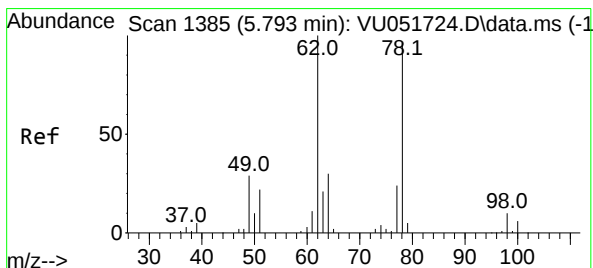
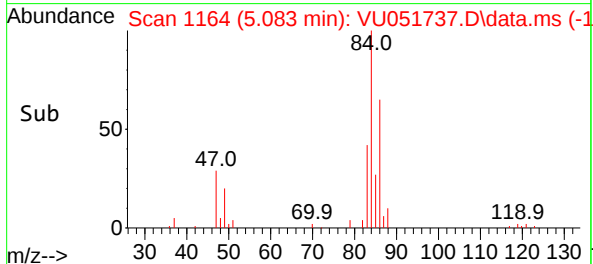
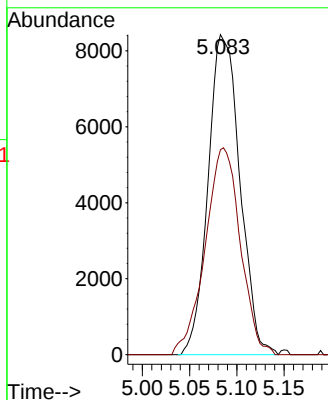
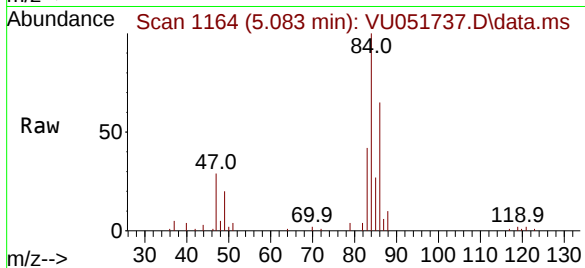
MDL-WATER-QT3-2022-05

Tgt Ion: 83 Resp: 19754

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.558 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU051737.D

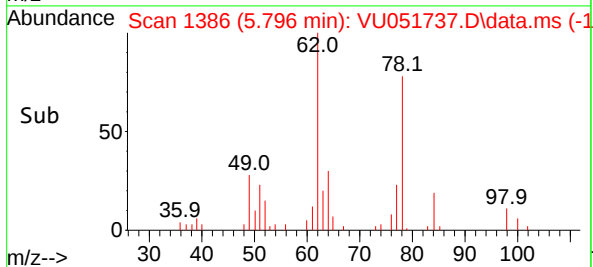
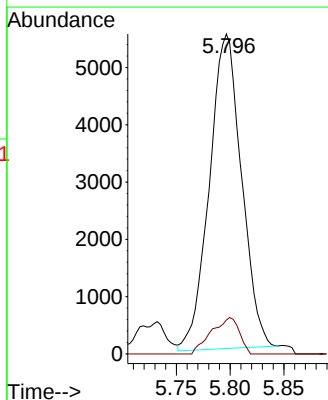
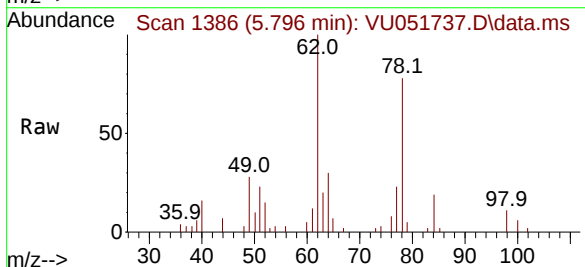
Acq: 03 Nov 2022 16:39

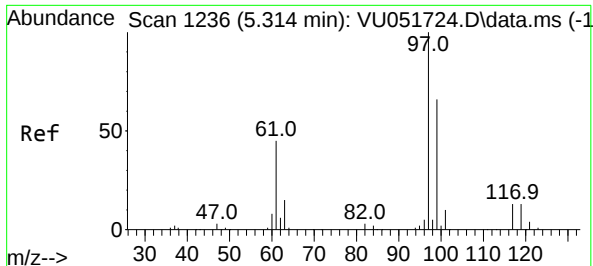
Tgt Ion: 62 Resp: 11398

Ion Ratio Lower Upper

62 100

98 10.6 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 0.487 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-05

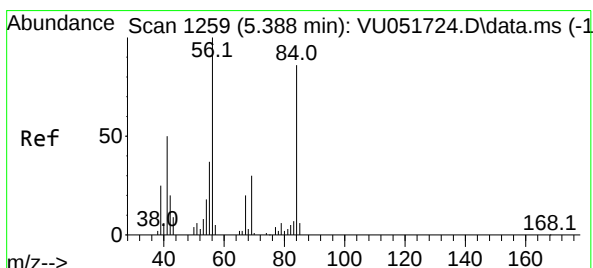
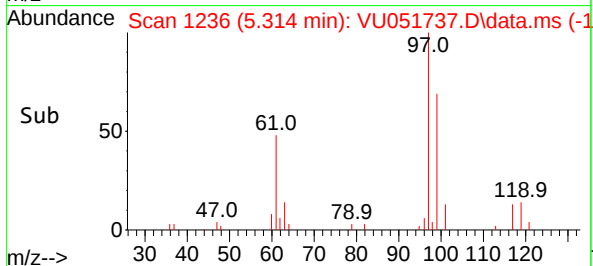
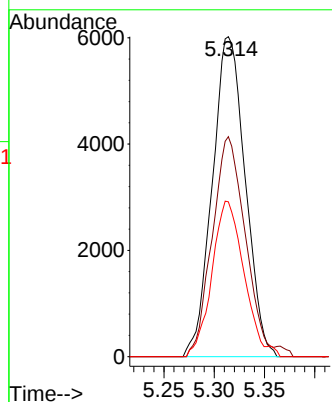
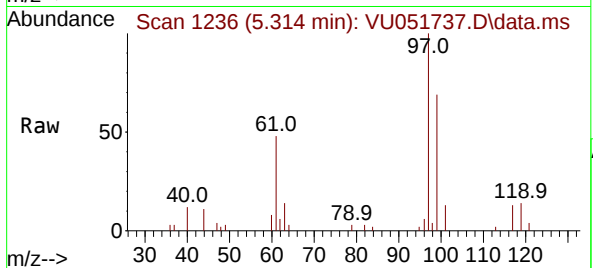
Tgt Ion: 97 Resp: 13708

Ion Ratio Lower Upper

97 100

99 68.8 51.1 76.7

61 47.4 37.4 56.0



#30

Cyclohexane

Concen: 0.403 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

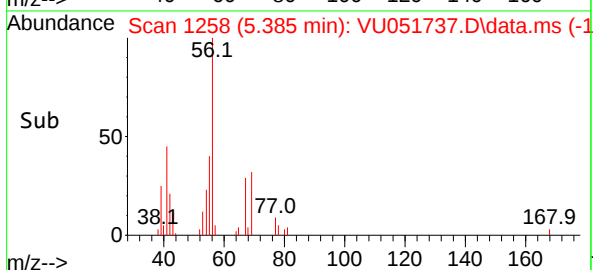
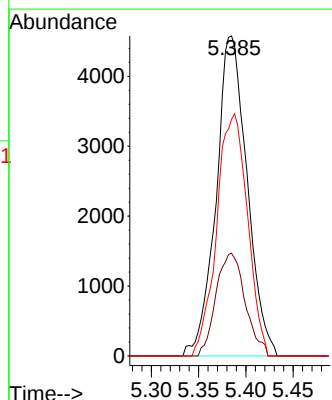
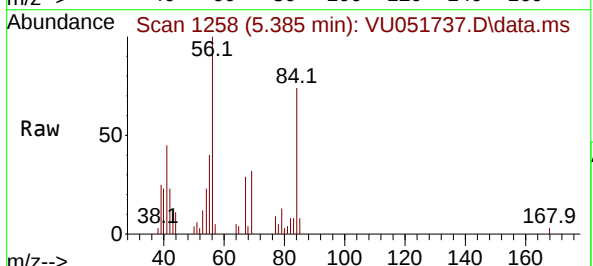
Tgt Ion: 56 Resp: 10441

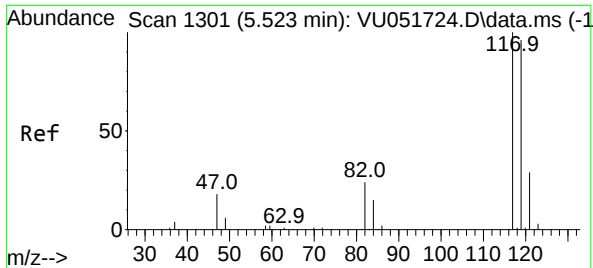
Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.0

84 74.9 71.4 107.0

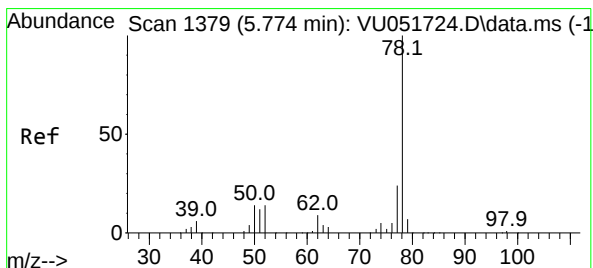
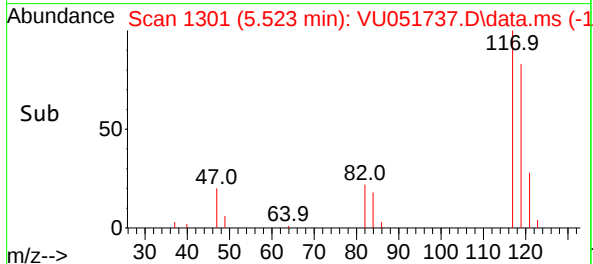
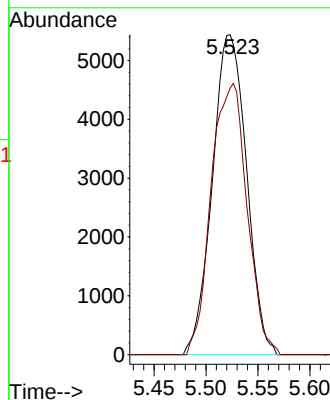
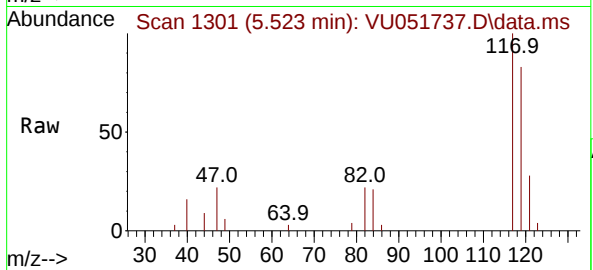




#31
Carbon tetrachloride
Concen: 0.517 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

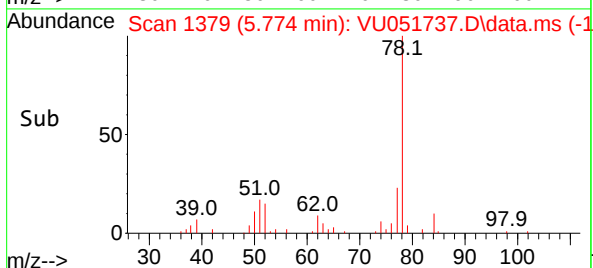
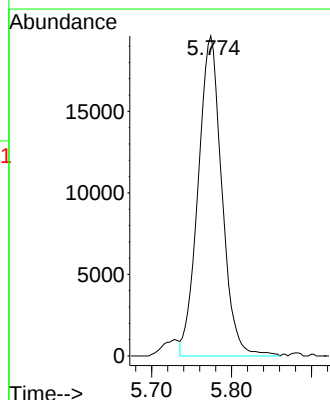
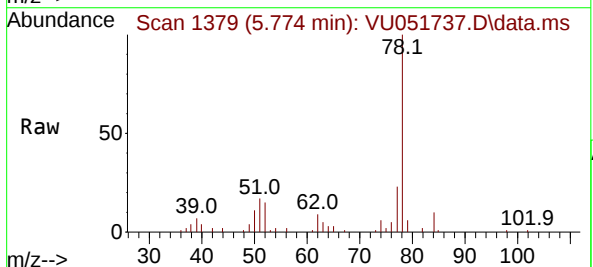
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

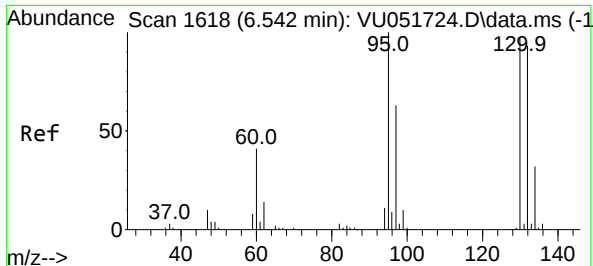
Tgt Ion:117 Resp: 12455
Ion Ratio Lower Upper
117 100
119 88.8 77.5 116.3



#33
Benzene
Concen: 0.495 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion: 78 Resp: 40480

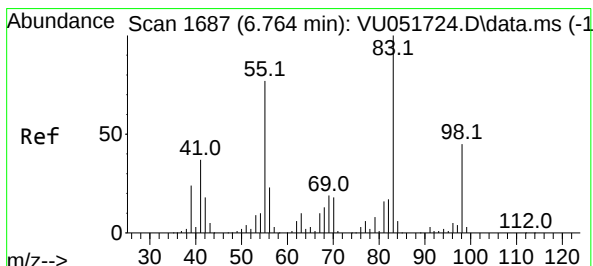
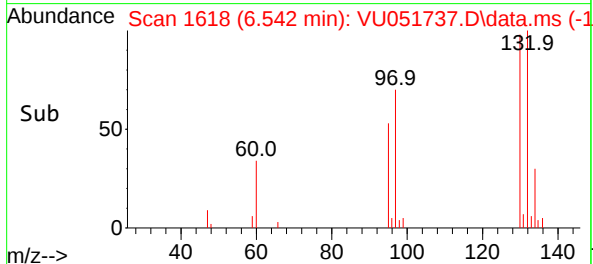
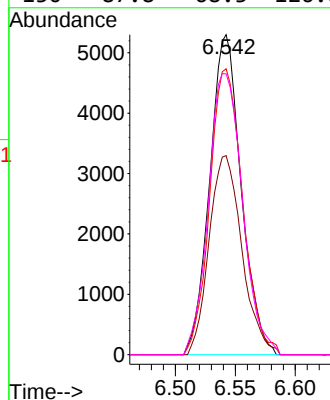
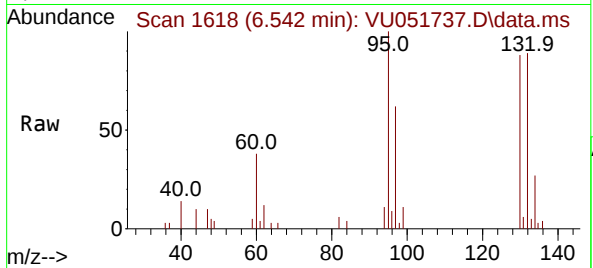




#34
Trichloroethene
Concen: 0.490 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

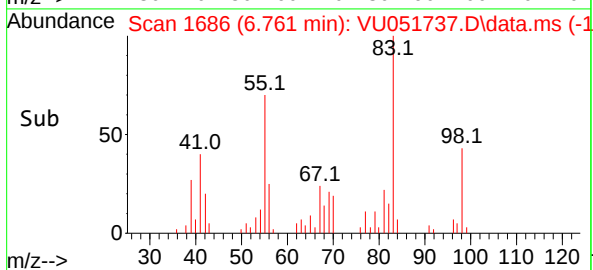
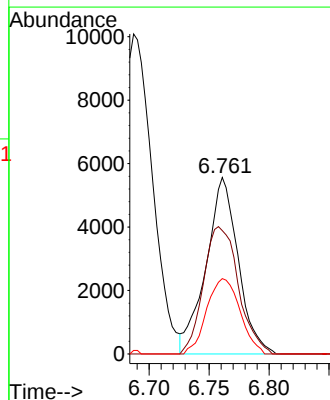
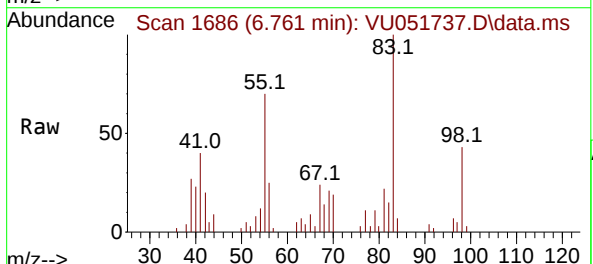
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

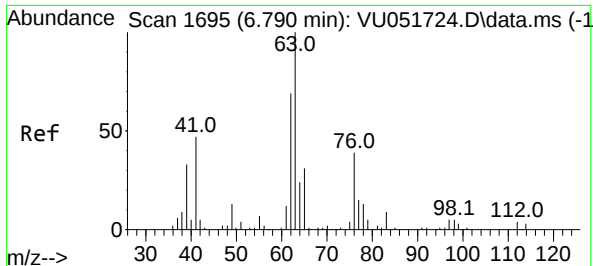
Tgt Ion:	95	Resp:	9669
Ion	Ratio	Lower	Upper
95	100		
97	62.2	45.2	84.0
132	89.4	66.5	123.5
130	87.8	68.3	126.8



#35
Methylcyclohexane
Concen: 0.379 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion:	83	Resp:	10356
Ion	Ratio	Lower	Upper
83	100		
55	78.7	60.6	90.8
98	44.2	35.8	53.6





#37

1,2-Dichloropropane

Concen: 0.484 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

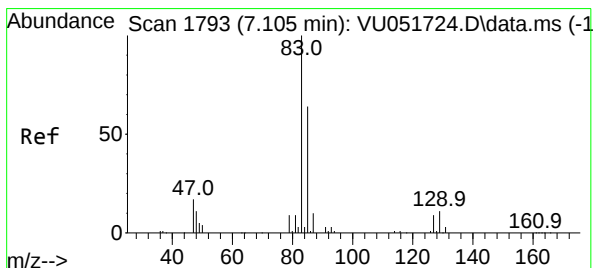
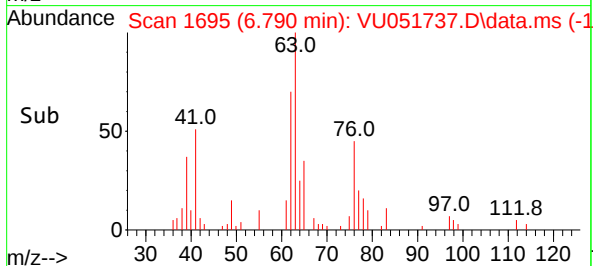
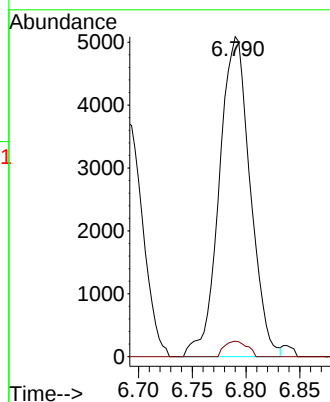
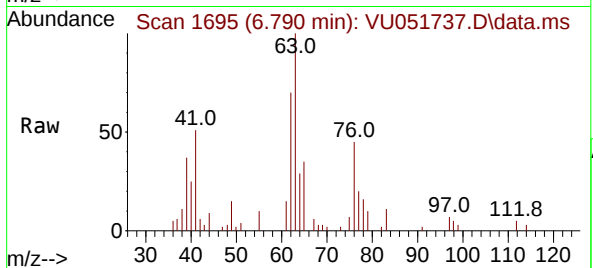
MDL-WATER-QT3-2022-05

Tgt Ion: 63 Resp: 10182

Ion Ratio Lower Upper

63 100

112 3.5 3.3 4.9



#38

Bromodichloromethane

Concen: 0.528 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

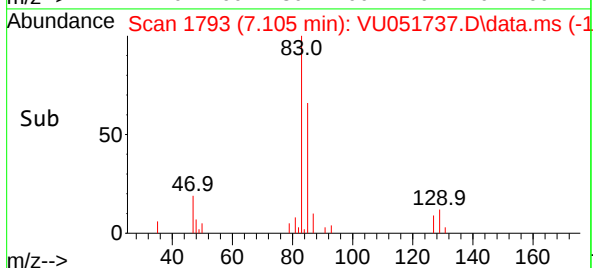
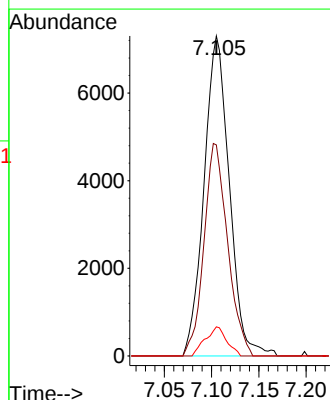
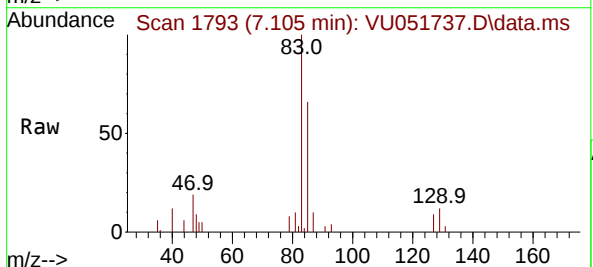
Tgt Ion: 83 Resp: 13571

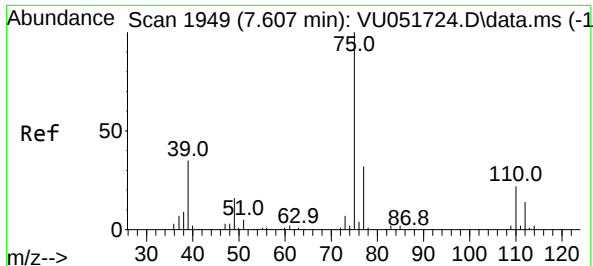
Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7

127 9.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.445 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

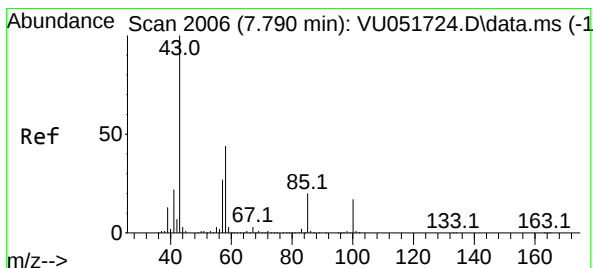
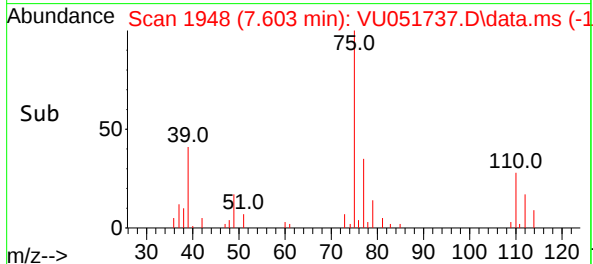
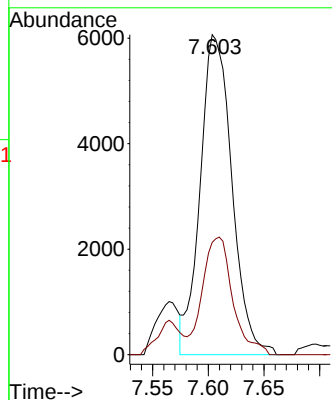
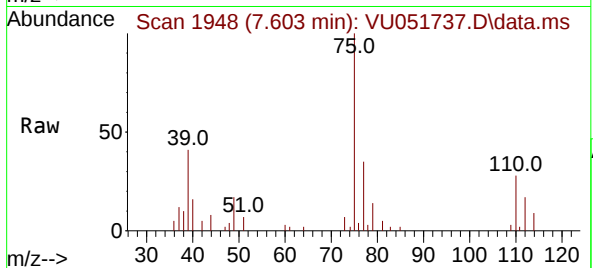
MDL-WATER-QT3-2022-05

Tgt Ion: 75 Resp: 12009

Ion Ratio Lower Upper

75 100

77 35.1 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 4.137 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

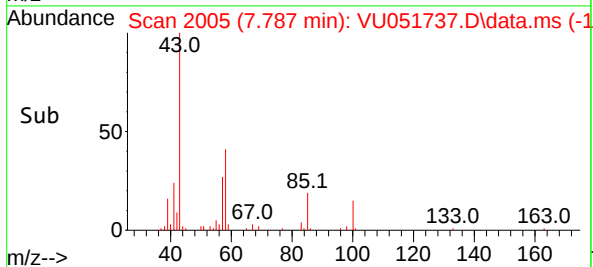
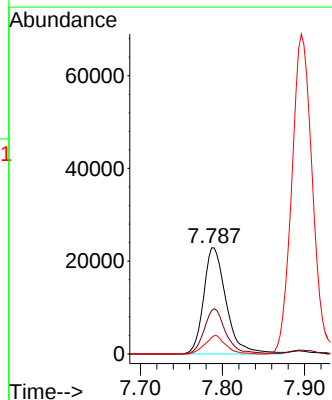
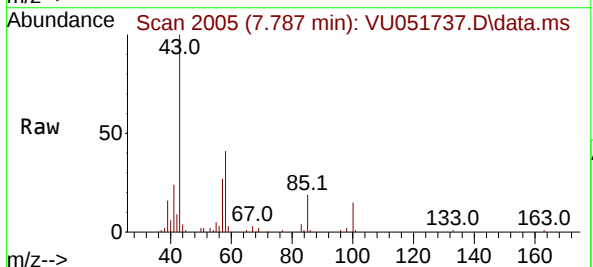
Tgt Ion: 43 Resp: 43669

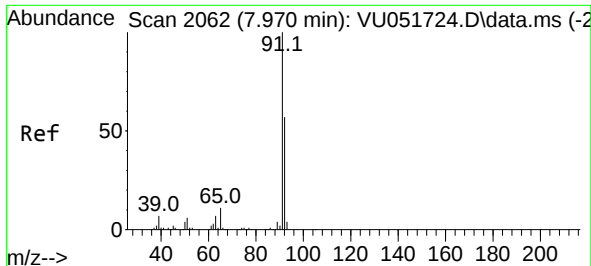
Ion Ratio Lower Upper

43 100

58 40.9 35.0 52.6

100 15.9 13.4 20.0





#42

Toluene

Concen: 0.443 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

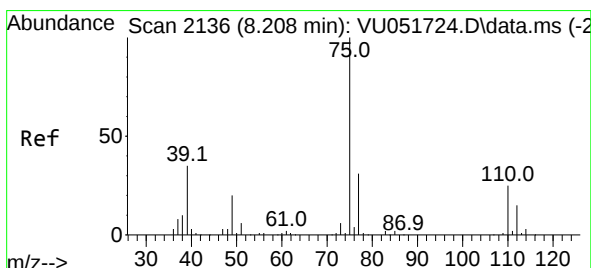
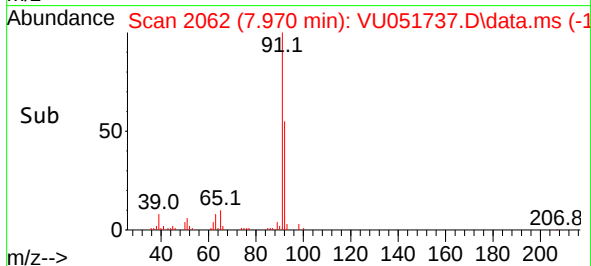
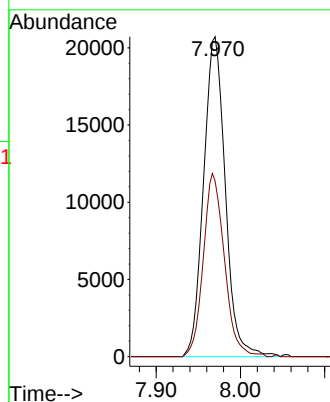
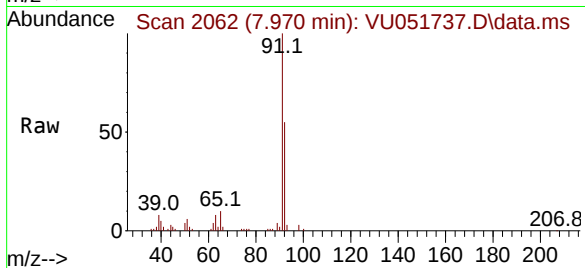
MDL-WATER-QT3-2022-05

Tgt Ion: 91 Resp: 37224

Ion Ratio Lower Upper

91 100

92 54.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.502 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051737.D

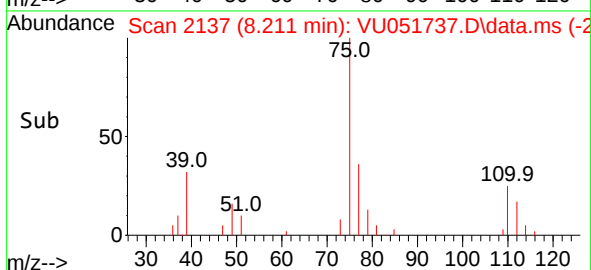
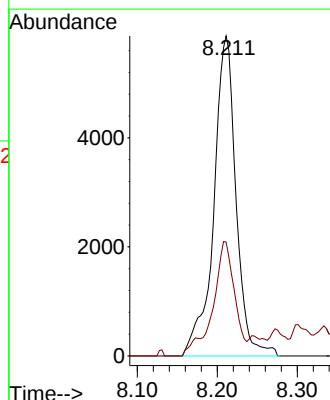
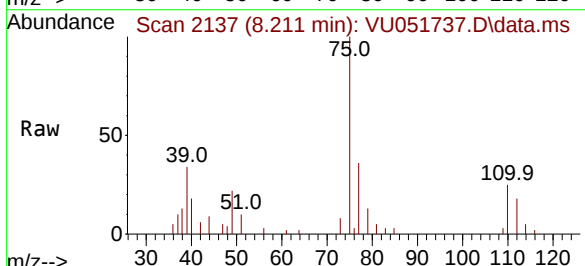
Acq: 03 Nov 2022 16:39

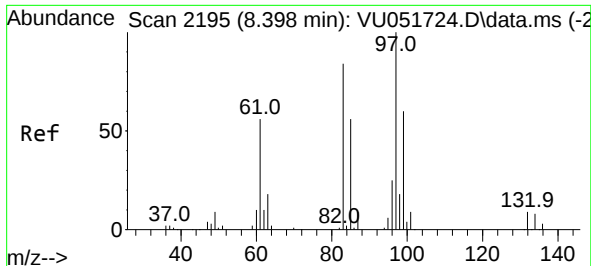
Tgt Ion: 75 Resp: 11330

Ion Ratio Lower Upper

75 100

77 35.6 21.8 40.6

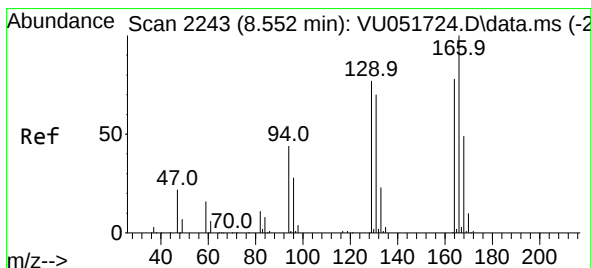
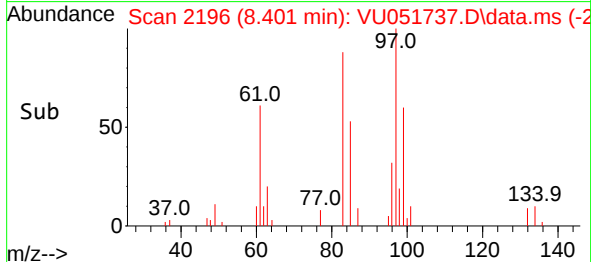
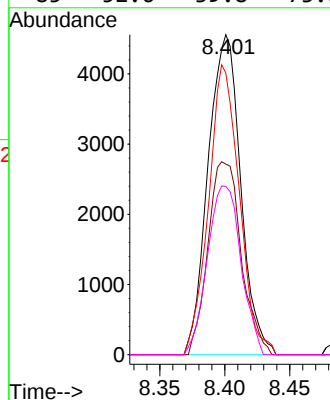
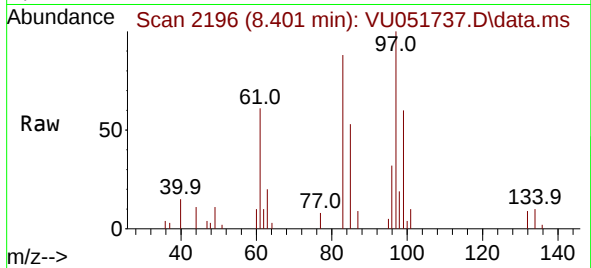




#45
1,1,2-Trichloroethane
Concen: 0.516 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

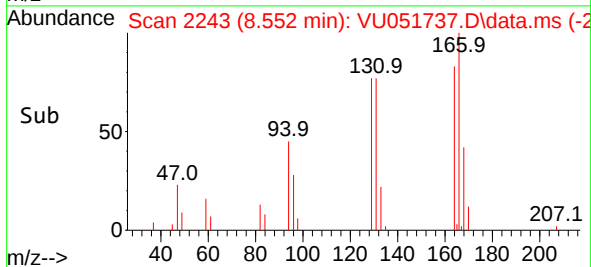
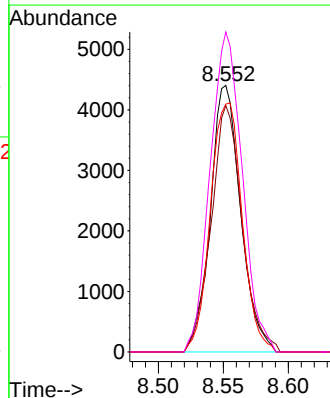
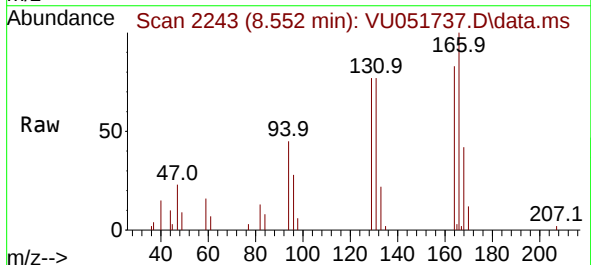
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

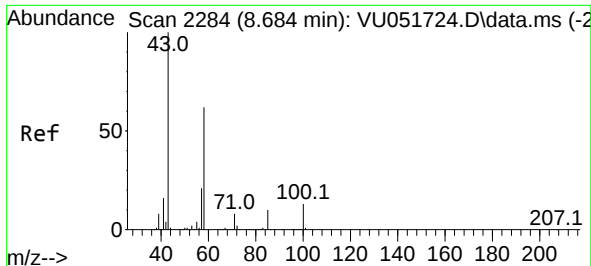
Tgt Ion: 97	Resp: 7950
Ion Ratio	Lower Upper
97 100	
99 59.5	43.4 80.6
83 88.0	61.3 113.9
85 52.6	39.8 73.8



#47
Tetrachloroethene
Concen: 0.472 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt	Ion:164	Resp:	7135
Ion	Ratio	Lower	Upper
164	100		
129	92.5	64.0	118.8
131	93.0	60.7	112.7
166	120.0	86.8	161.2

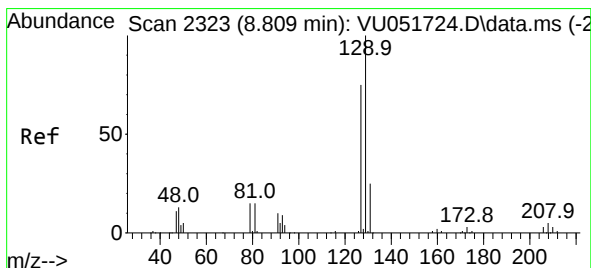
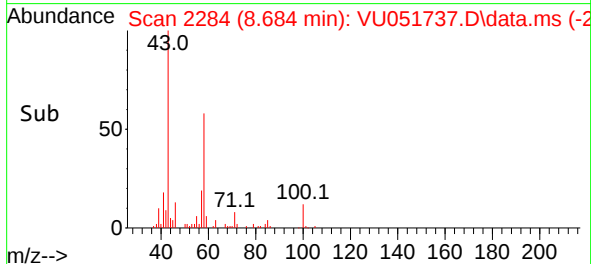
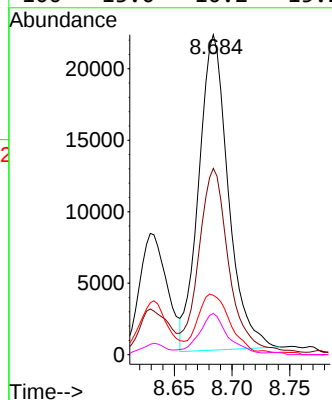
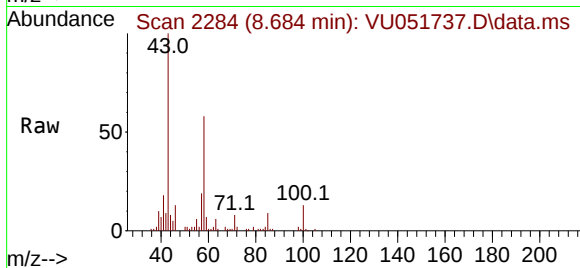




#48
2-Hexanone
Concen: 5.020 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

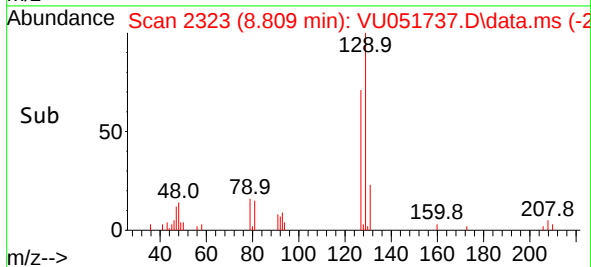
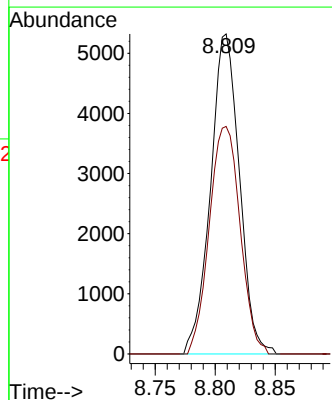
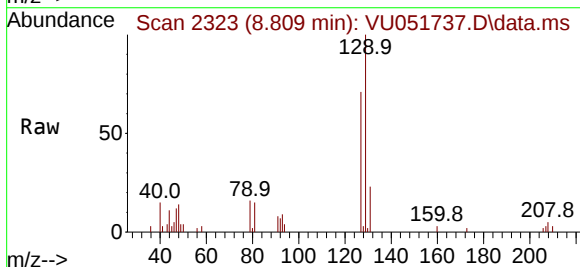
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

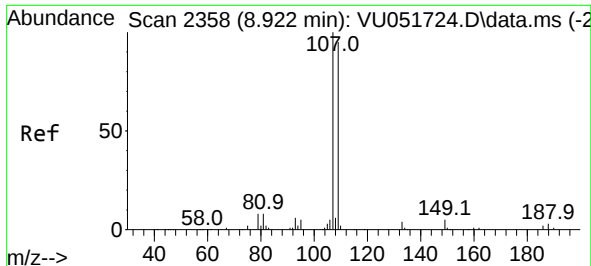
Tgt Ion: 43	Resp: 39219
Ion Ratio	Lower Upper
43 100	
58 60.4	48.2 72.2
57 19.6	16.6 25.0
100 13.0	10.2 15.2



#49
Dibromochloromethane
Concen: 0.506 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion:129	Resp:	8916	
Ion	Ratio	Lower	Upper
129	100		
127	71.1	54.8	101.8





#50

1,2-Dibromoethane

Concen: 0.519 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

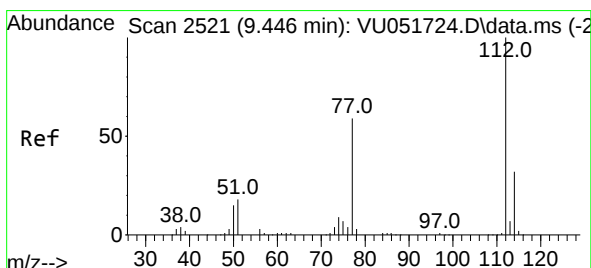
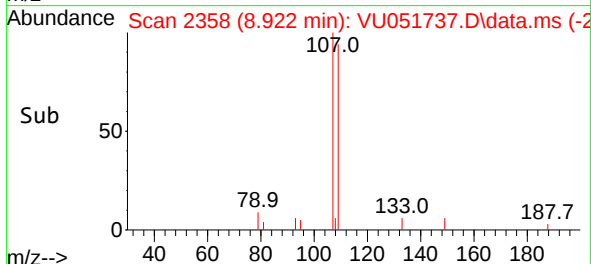
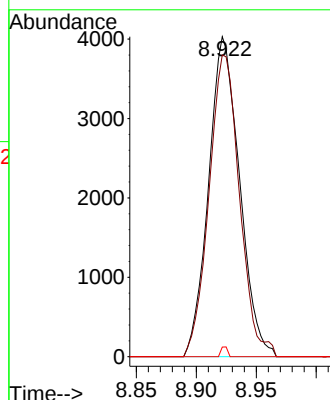
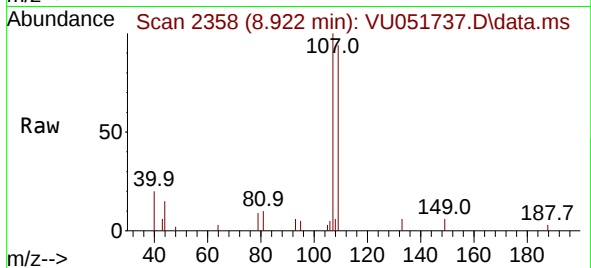
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-05

Tgt Ion:107	Resp:	7225
Ion	Ratio	Lower Upper
107	100	
109	94.3	63.0 117.0
188	3.0	3.0 4.4



#51

Chlorobenzene

Concen: 0.489 ug/L

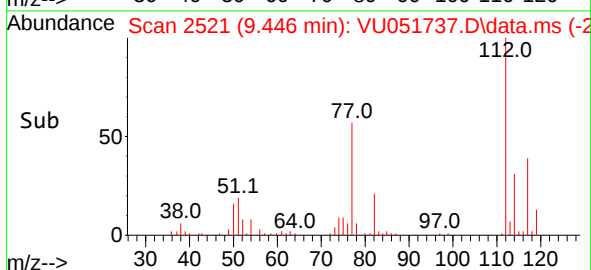
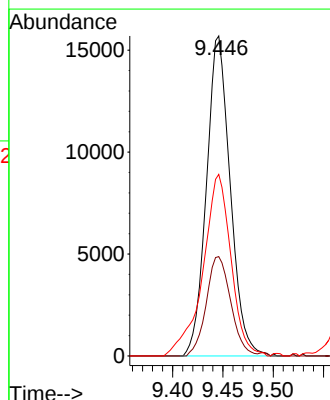
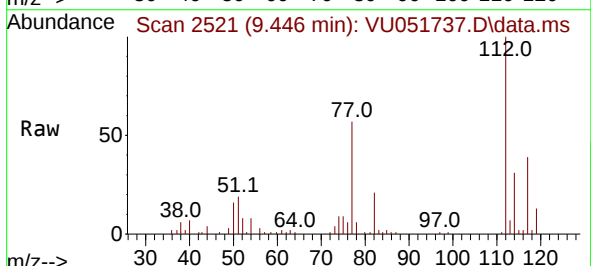
RT: 9.446 min Scan# 2521

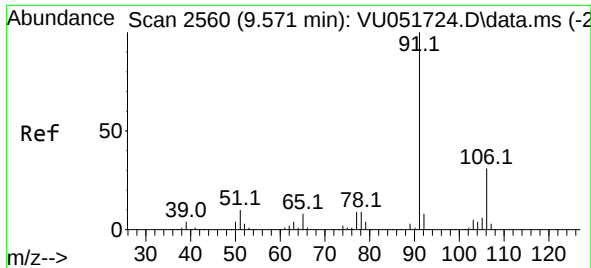
Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Tgt Ion:112	Resp:	25849
Ion	Ratio	Lower Upper
112	100	
114	31.1	22.0 40.8
77	56.7	46.7 70.1





#52

Ethylbenzene

Concen: 0.417 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

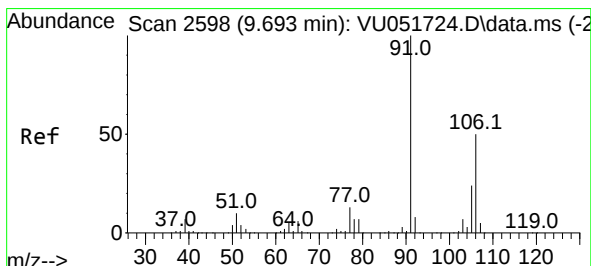
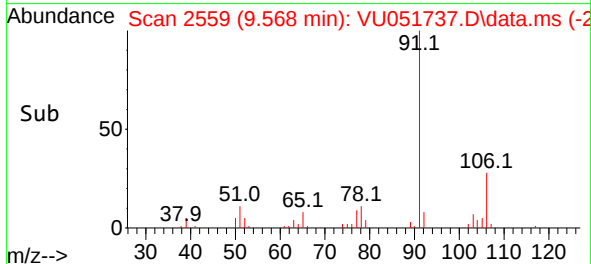
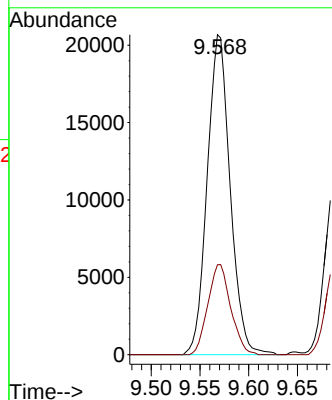
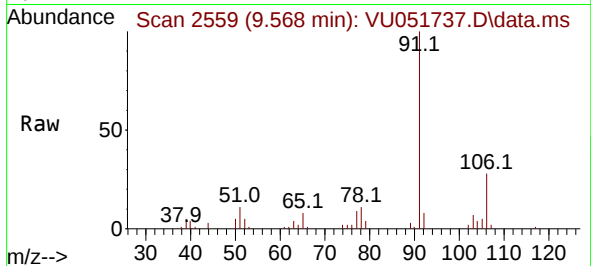
MDL-WATER-QT3-2022-05

Tgt Ion: 91 Resp: 33839

Ion Ratio Lower Upper

91 100

106 28.1 21.8 40.6



#53

m,p-Xylene

Concen: 0.383 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU051737.D

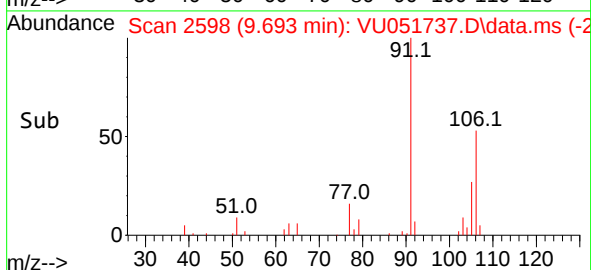
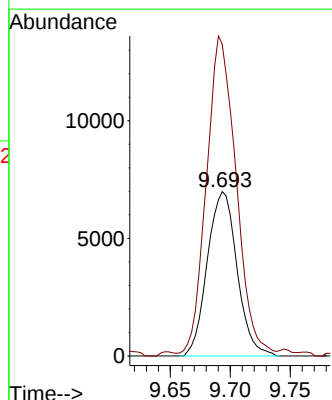
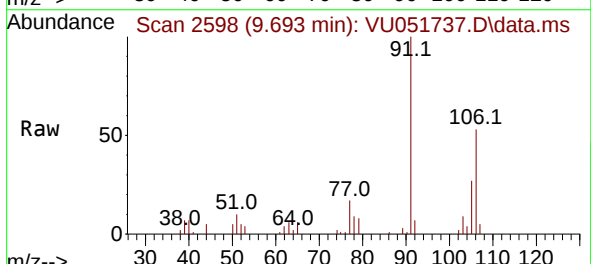
Acq: 03 Nov 2022 16:39

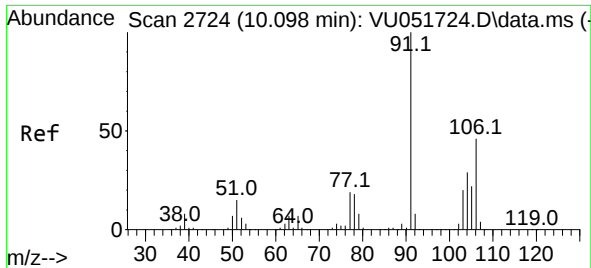
Tgt Ion: 106 Resp: 12045

Ion Ratio Lower Upper

106 100

91 189.5 139.4 259.0

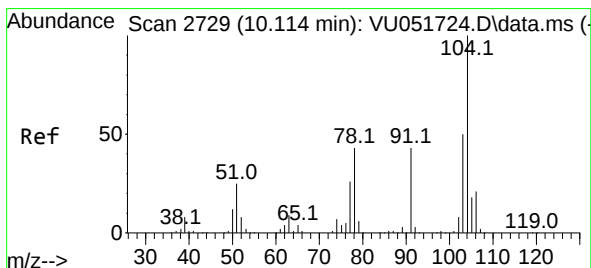
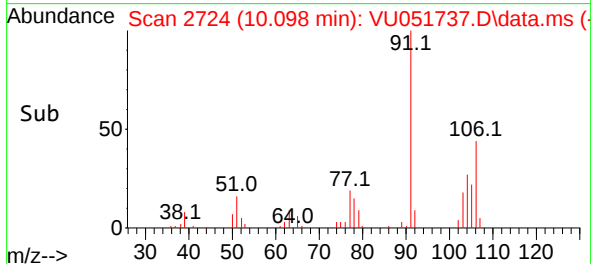
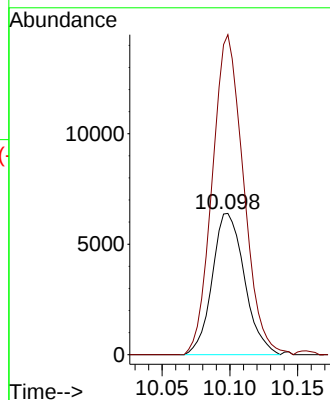
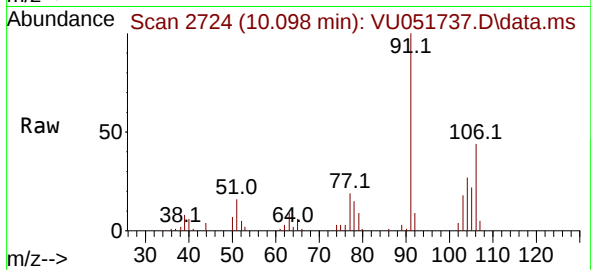




#54
o-Xylene
Concen: 0.343 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

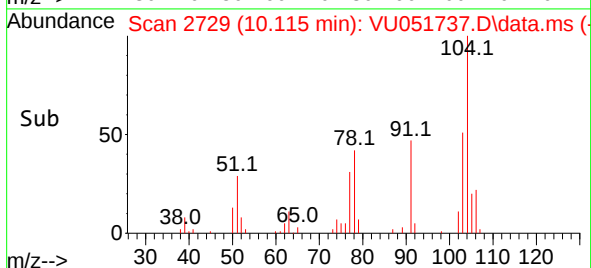
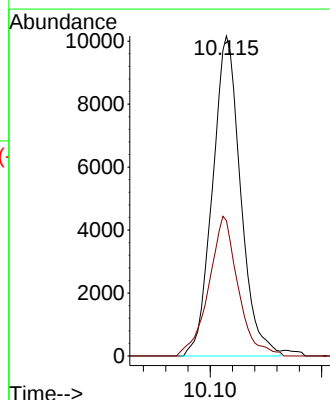
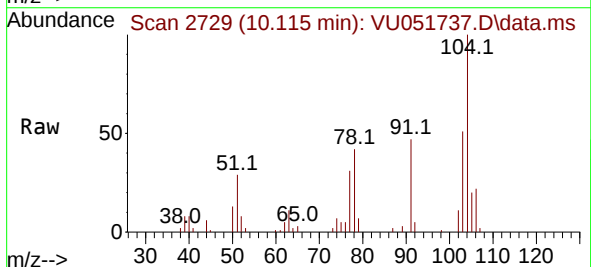
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

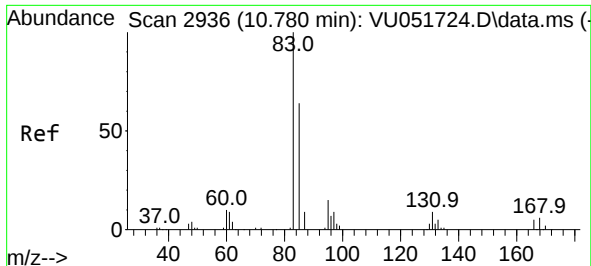
Tgt Ion:106 Resp: 10567
Ion Ratio Lower Upper
106 100
91 226.6 149.2 277.2



#55
Styrene
Concen: 0.346 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion:104 Resp: 17779
Ion Ratio Lower Upper
104 100
78 42.3 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.512 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-05

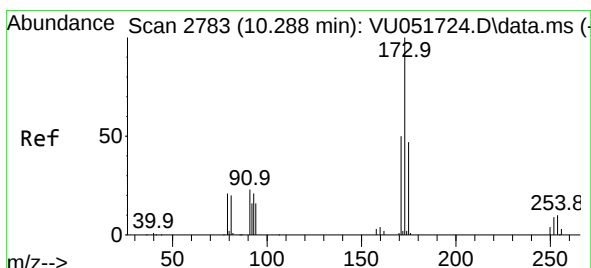
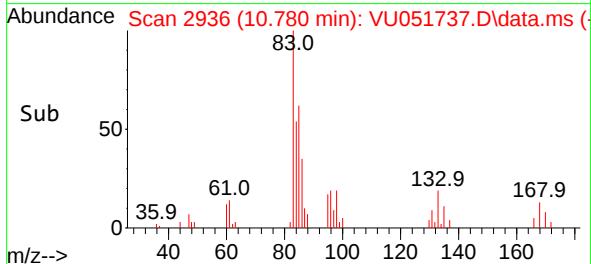
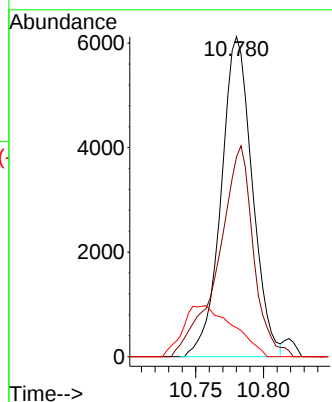
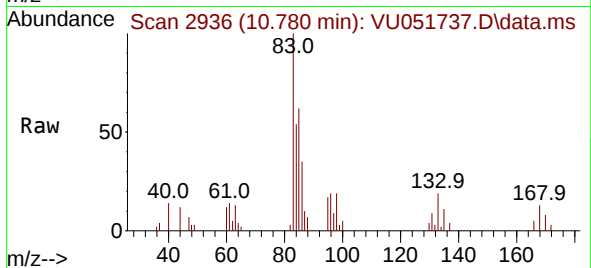
Tgt Ion: 83 Resp: 9782

Ion Ratio Lower Upper

83 100

85 62.5 44.9 83.5

131 9.1 7.8 11.8



#59

Bromoform

Concen: 0.532 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

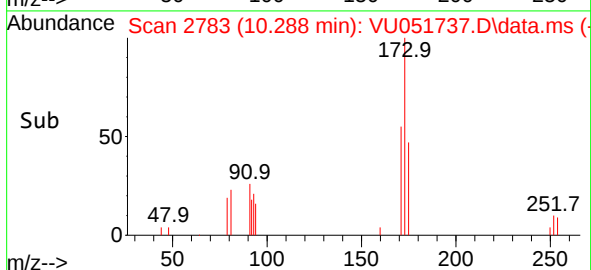
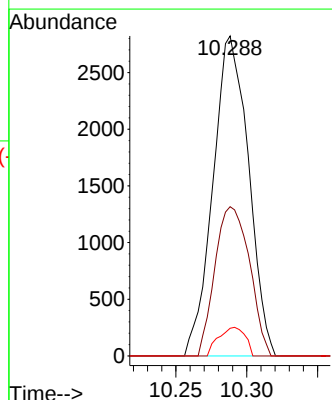
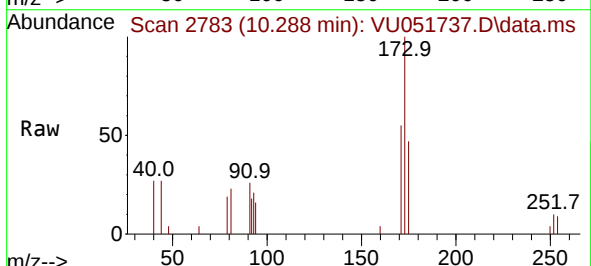
Tgt Ion: 173 Resp: 4919

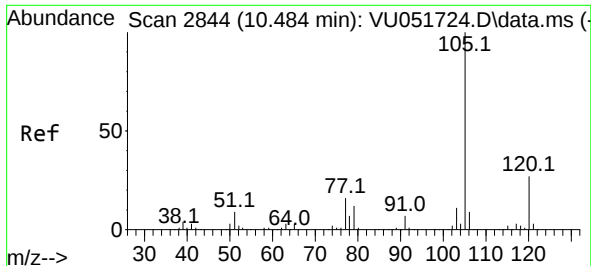
Ion Ratio Lower Upper

173 100

175 45.4 38.7 58.1

254 6.7 7.3 10.9#

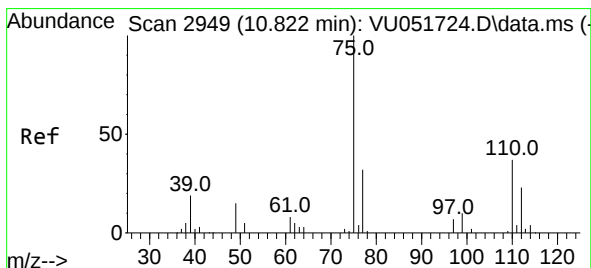
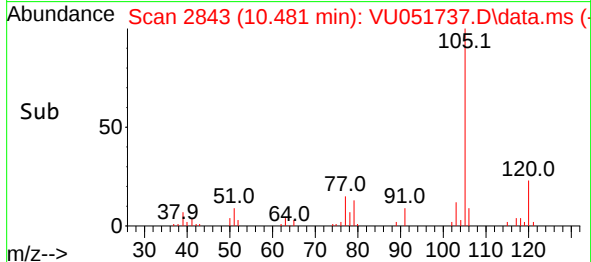
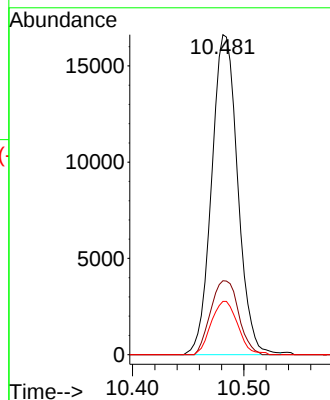
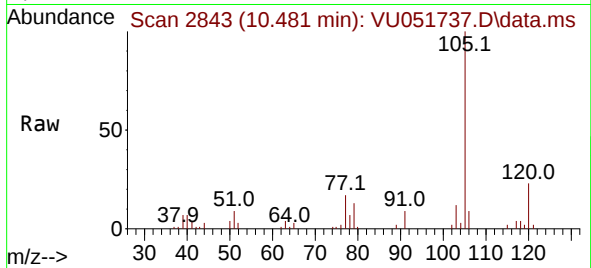




#60
Isopropylbenzene
Concen: 0.370 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

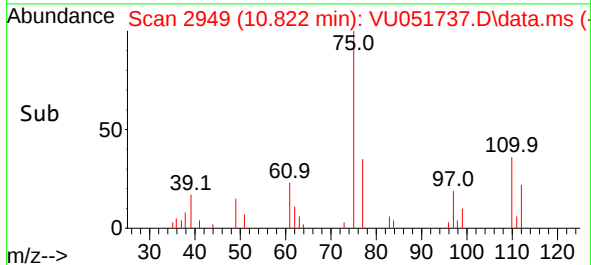
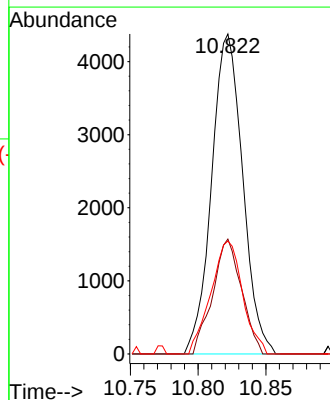
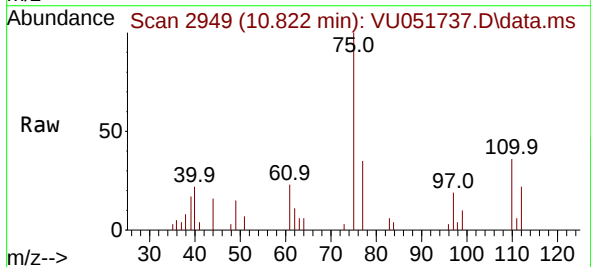
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2022-05

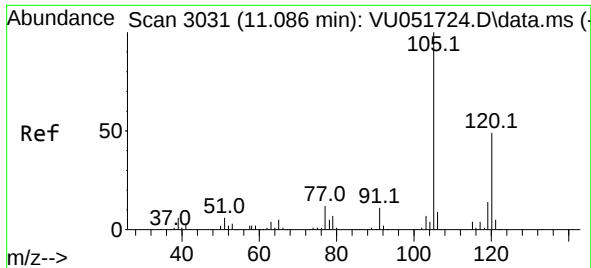
Tgt Ion:105 Resp: 26997
Ion Ratio Lower Upper
105 100
120 24.8 20.9 31.3
77 17.0 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 0.539 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion: 75 Resp: 6975
Ion Ratio Lower Upper
75 100
110 33.3 28.7 43.1
77 36.1 26.1 39.1

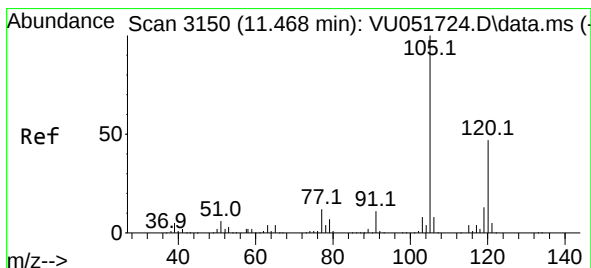
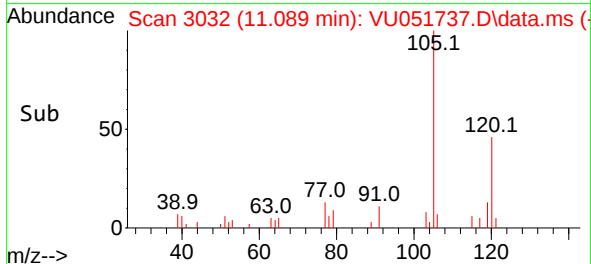
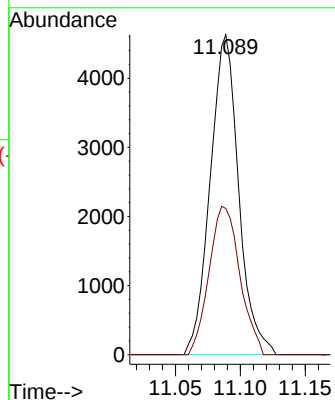
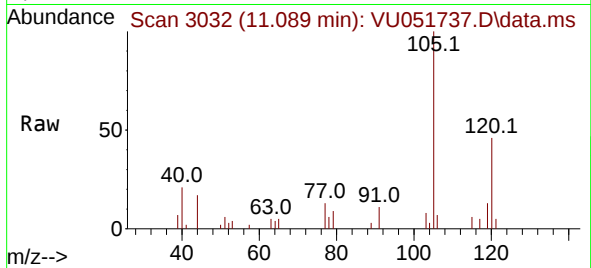




#62
1,3,5-Trimethylbenzene
Concen: 0.359 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

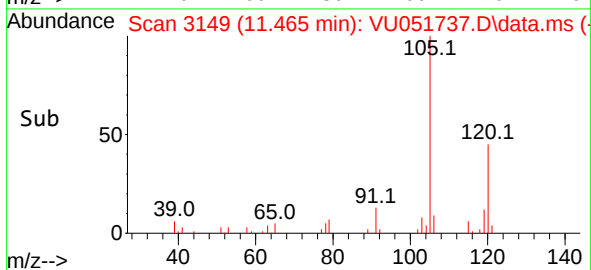
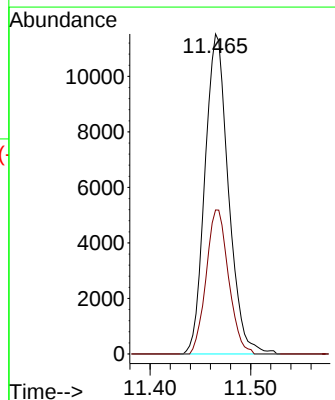
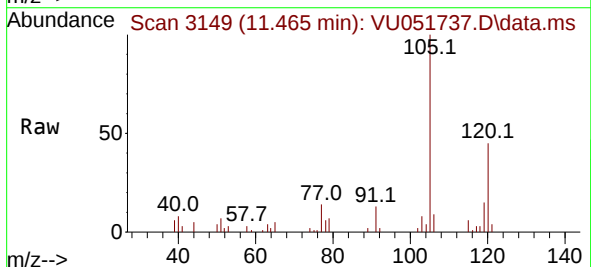
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

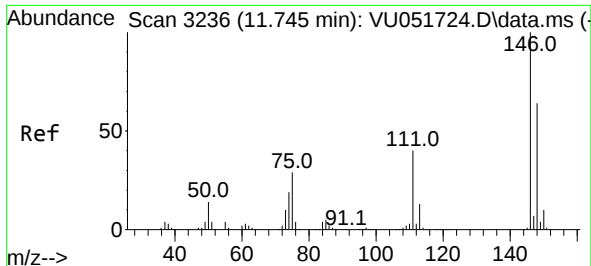
Tgt Ion:105 Resp: 7052
Ion Ratio Lower Upper
105 100
120 50.1 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 0.330 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion:105 Resp: 18698
Ion Ratio Lower Upper
105 100
120 42.8 35.8 53.6

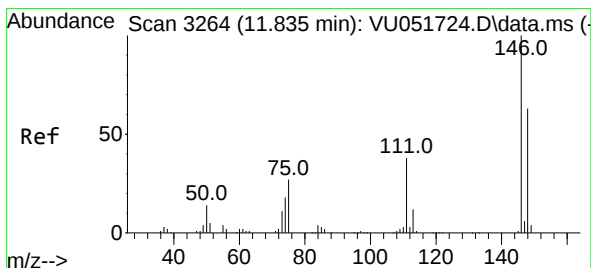
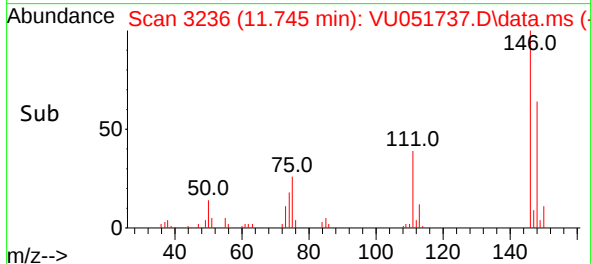
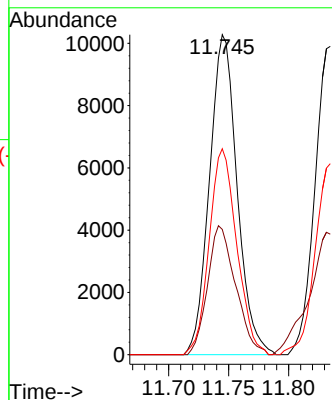
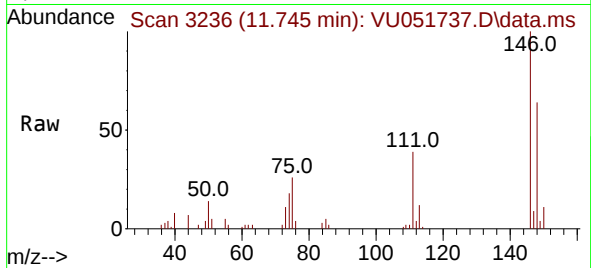




#64
1,3-Dichlorobenzene
Concen: 0.453 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

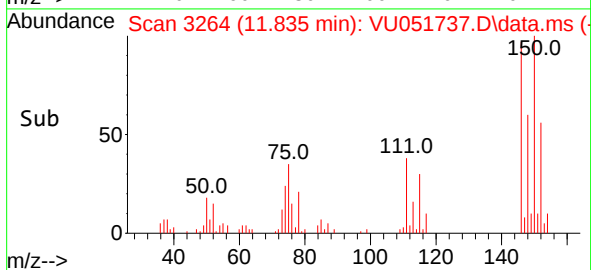
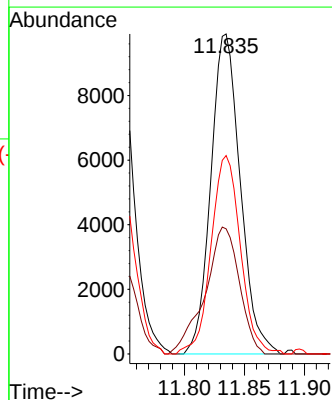
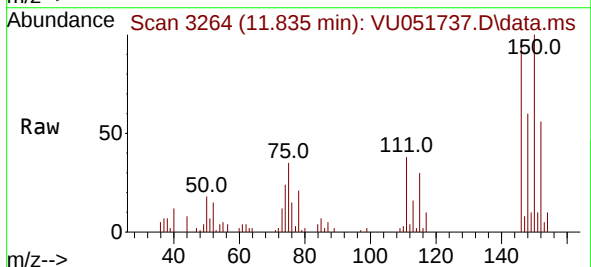
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2022-05

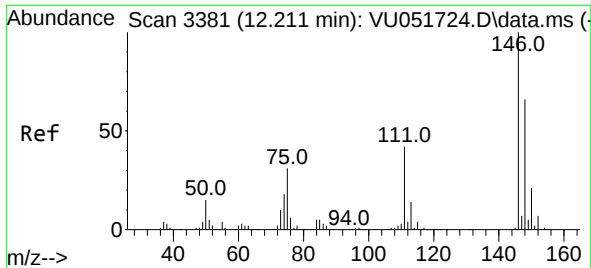
Tgt Ion:146 Resp: 16449
Ion Ratio Lower Upper
146 100
111 39.2 28.6 53.2
148 64.4 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 0.464 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051737.D
Acq: 03 Nov 2022 16:39

Tgt Ion:146 Resp: 16913
Ion Ratio Lower Upper
146 100
111 39.1 26.7 49.5
148 62.0 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.468 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-05

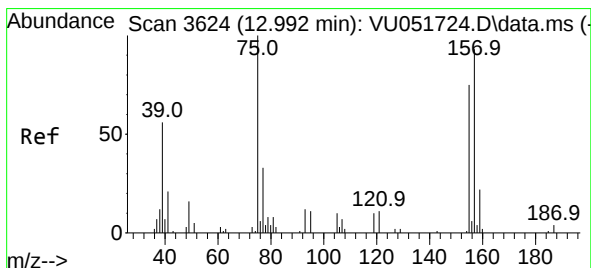
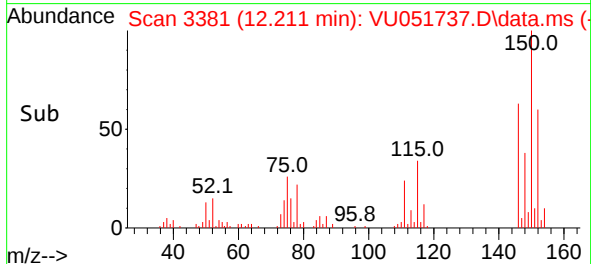
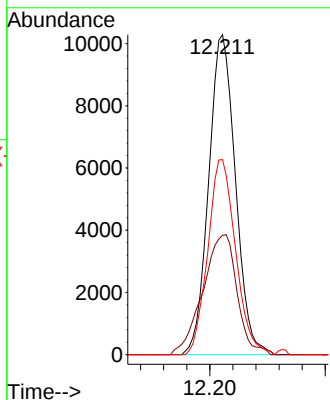
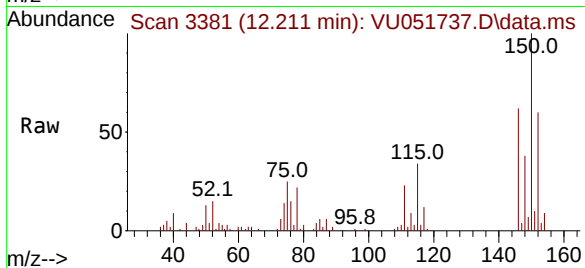
Tgt Ion:146 Resp: 16555

Ion Ratio Lower Upper

146 100

111 37.3 34.2 51.2

148 60.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.581 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

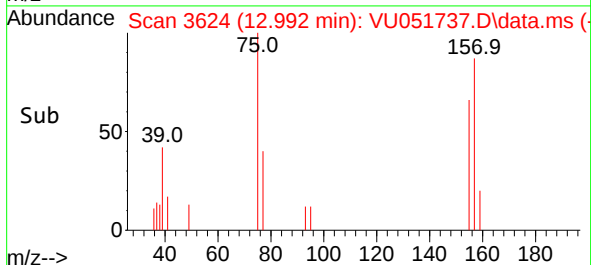
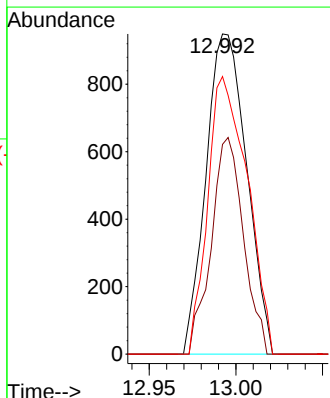
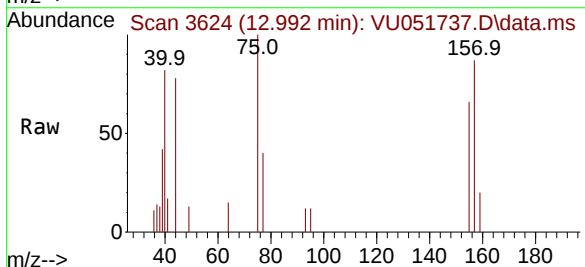
Tgt Ion: 75 Resp: 1547

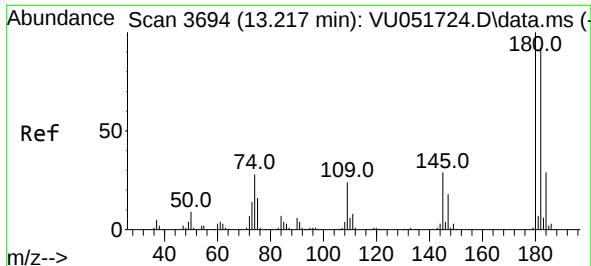
Ion Ratio Lower Upper

75 100

155 65.5 61.4 92.2

157 86.7 86.7 130.1





#69

1,3,5-Trichlorobenzene

Concen: 0.456 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU051737.D

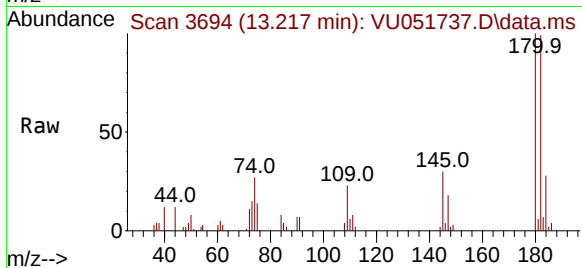
Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-05



Tgt Ion:180 Resp: 11807

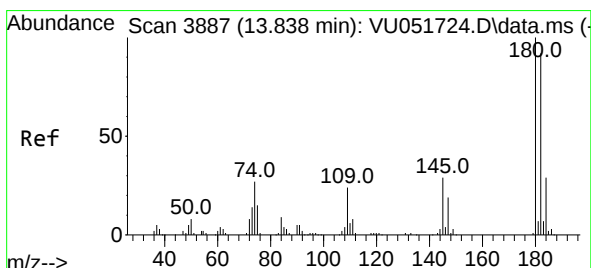
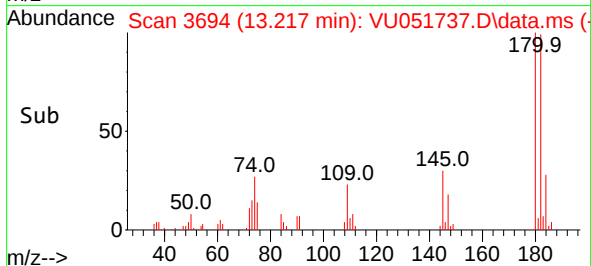
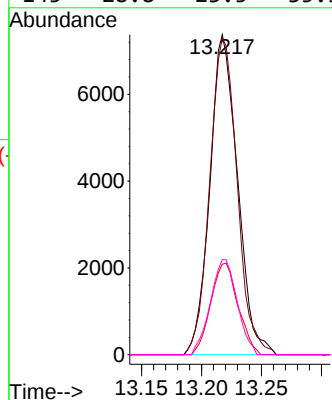
Ion Ratio Lower Upper

180 100

182 97.9 77.0 115.6

184 28.1 23.7 35.5

145 28.8 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 0.456 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

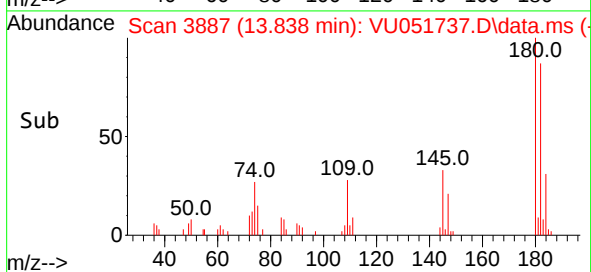
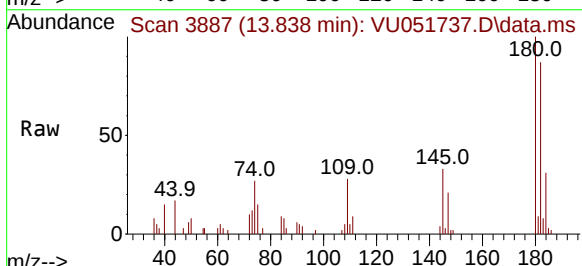
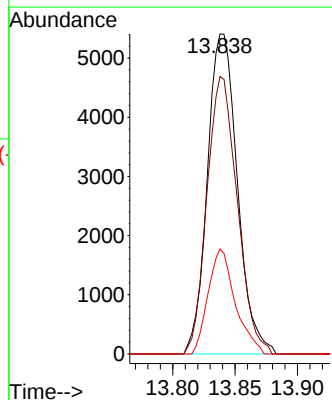
Tgt Ion:180 Resp: 9065

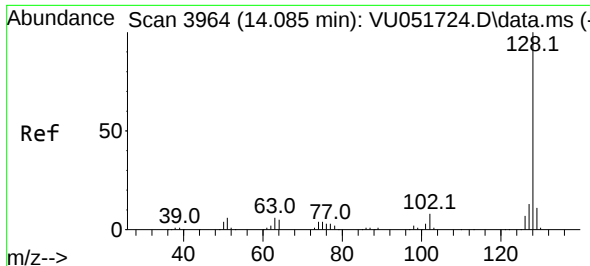
Ion Ratio Lower Upper

180 100

182 87.5 77.8 116.6

145 29.6 25.0 37.6





#71
Naphthalene

Concen: 0.337 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2022-05

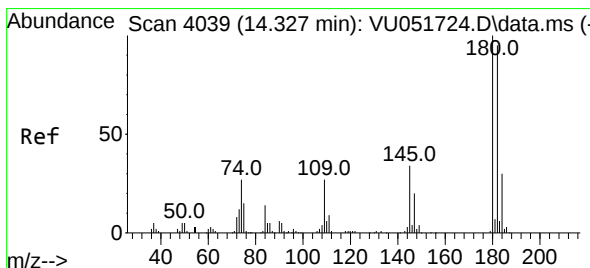
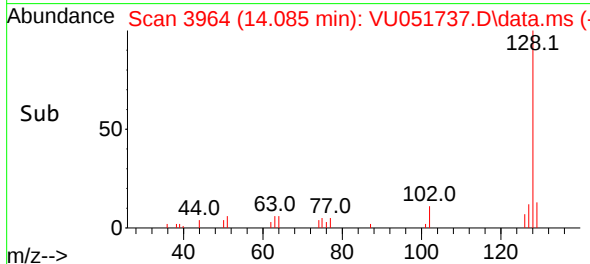
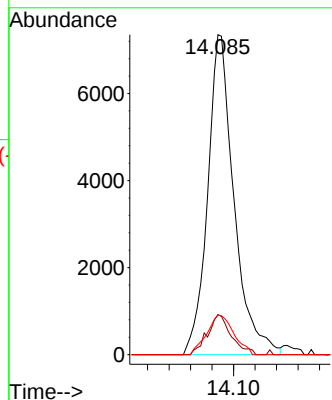
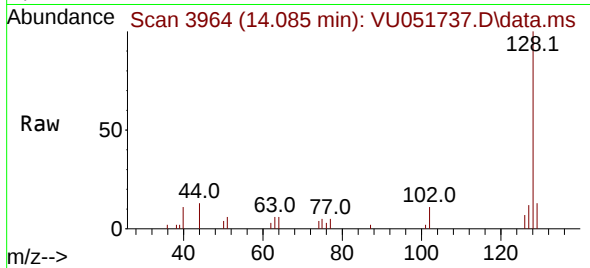
Tgt Ion:128 Resp: 12492

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

127 12.7 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 0.423 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051737.D

Acq: 03 Nov 2022 16:39

Tgt Ion:180 Resp: 8493

Ion Ratio Lower Upper

180 100

182 92.8 76.1 114.1

145 31.7 25.6 38.4

