

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053772.D
 Acq On : 18 Apr 2023 20:18
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005154

Quant Time: Apr 19 05:04:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	136442	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132338	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	72880	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47228	5.032	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.600%
7) Chloroethane-d5	1.909	69	41690	4.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.565	65	17167	4.293	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.800%
20) 2-Butanone-d5	4.620	46	97820	45.492	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.980%
24) Chloroform-d	5.060	84	89422	5.139	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.697	65	43400	4.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.723	84	172459	4.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.687	67	54528	4.771	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.893	98	158919	4.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.176	79	21920	4.998	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.000%
46) 2-Hexanone-d5	8.629	63	87563	49.157	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.320%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	45295	4.762	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	64285	4.903	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	50433	5.151	ug/L	98
3) Chloromethane	1.520	50	49778	5.054	ug/L	98
5) Vinyl chloride	1.604	62	59410	5.349	ug/L	98
6) Bromomethane	1.855	94	36123	5.135	ug/L	100
8) Chloroethane	1.932	64	36465	5.648	ug/L	97
9) Trichlorofluoromethane	2.134	101	88192	5.258	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	49942	5.875	ug/L	94
12) 1,1-Dichloroethene	2.578	96	41857	5.418	ug/L	89
13) Acetone	2.633	43	59030	46.258	ug/L #	47
14) Carbon disulfide	2.790	76	98947	4.364	ug/L	99
15) Methyl Acetate	2.948	43	14805	4.946	ug/L #	89
16) Methylene chloride	3.041	84	53605	5.284	ug/L	95
17) Methyl tert-butyl Ether	3.359	73	102504	5.473	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	44193	5.507	ug/L	95
19) 1,1-Dichloroethane	3.864	63	82290	5.567	ug/L	96
21) 2-Butanone	4.700	43	95725	48.310	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	50023	4.627	ug/L	95
23) Bromochloromethane	4.970	128	23341	6.100	ug/L	91
25) Chloroform	5.083	83	91602	6.024	ug/L	99

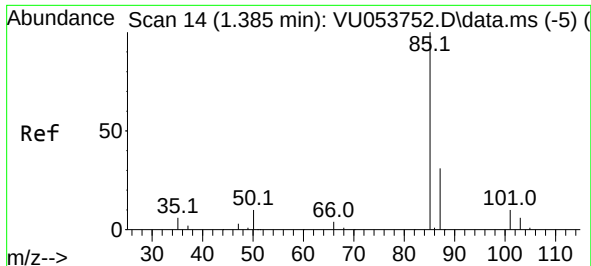
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53744	5.643	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	77846	5.958	ug/L	95
30) Cyclohexane	5.385	56	63608	4.570	ug/L	99
31) Carbon tetrachloride	5.520	117	66187	5.987	ug/L	98
33) Benzene	5.771	78	189055	5.332	ug/L	100
34) Trichloroethene	6.536	95	54147	5.734	ug/L	97
35) Methylcyclohexane	6.758	83	76566	4.725	ug/L	98
37) 1,2-Dichloropropane	6.787	63	50423	5.386	ug/L	98
38) Bromodichloromethane	7.099	83	58167	5.594	ug/L #	97
39) cis-1,3-Dichloropropene	7.604	75	71929	5.200	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	236239	51.562	ug/L	97
42) Toluene	7.964	91	204852	5.287	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	58333	5.183	ug/L	94
45) 1,1,2-Trichloroethane	8.395	97	37006	5.567	ug/L	94
47) Tetrachloroethene	8.549	164	42713	6.156	ug/L	94
48) 2-Hexanone	8.677	43	169887	50.148	ug/L	98
49) Dibromochloromethane	8.806	129	38680	5.884	ug/L	99
50) 1,2-Dibromoethane	8.919	107	34952	5.444	ug/L	96
51) Chlorobenzene	9.443	112	135864	5.560	ug/L	97
52) Ethylbenzene	9.565	91	220489	5.221	ug/L	100
53) m,p-Xylene	9.690	106	85645	5.320	ug/L	97
54) o-Xylene	10.095	106	84181	5.511	ug/L	99
55) Styrene	10.111	104	140947	5.619	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.777	83	45060	5.368	ug/L	98
59) Bromoform	10.285	173	20588	5.486	ug/L	97
60) Isopropylbenzene	10.481	105	226377	5.114	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	30951	5.126	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	185031	5.151	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	187496	5.096	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	110208	5.663	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	108760	5.565	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	102437	5.552	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.996	75	5938	5.071	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.214	180	78777	5.798	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	65519	6.065	ug/L	97
71) Naphthalene	14.082	128	108202	5.316	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	59811	6.343	ug/L	99

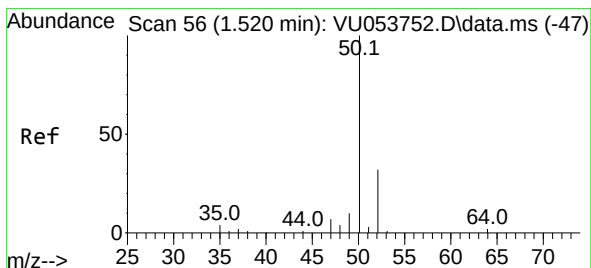
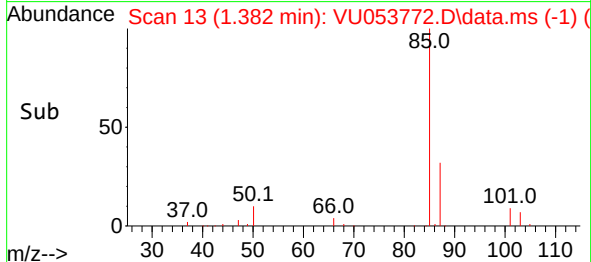
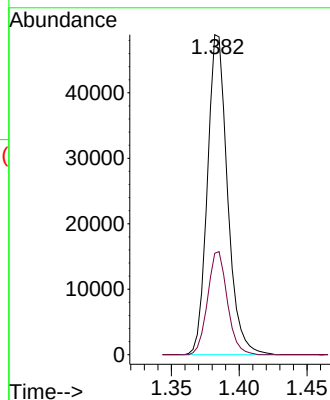
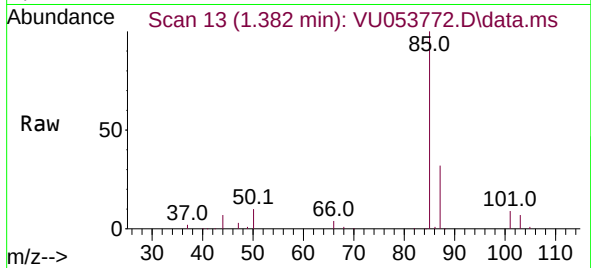
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.151 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

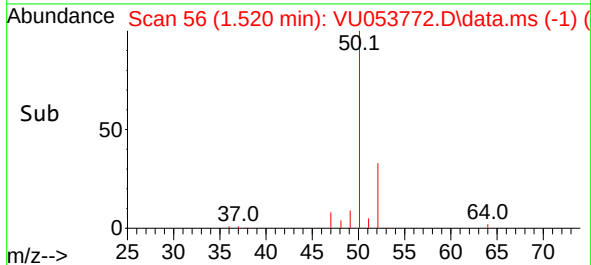
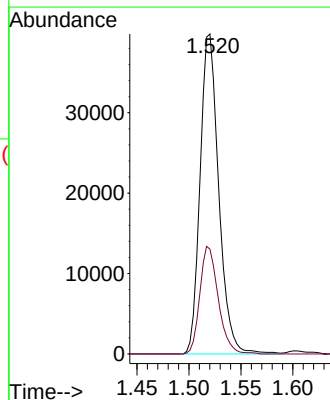
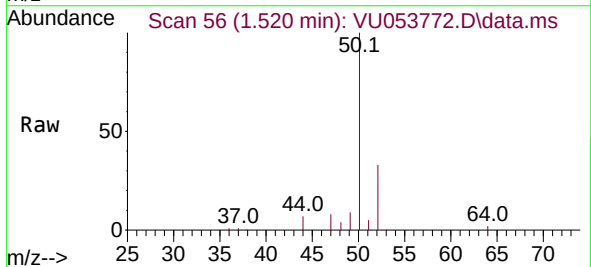
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

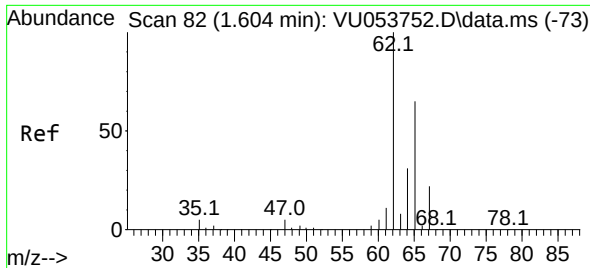
Tgt Ion: 85 Resp: 50433
Ion Ratio Lower Upper
85 100
87 31.5 26.1 39.1



#3
Chloromethane
Concen: 5.054 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 50 Resp: 49778
Ion Ratio Lower Upper
50 100
52 32.8 23.9 44.3

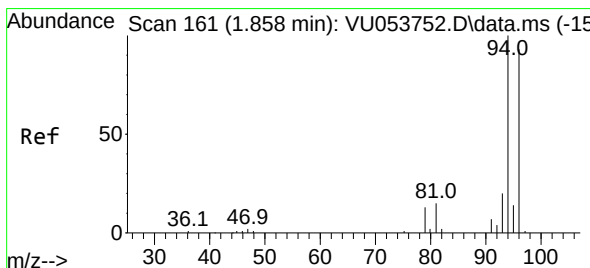
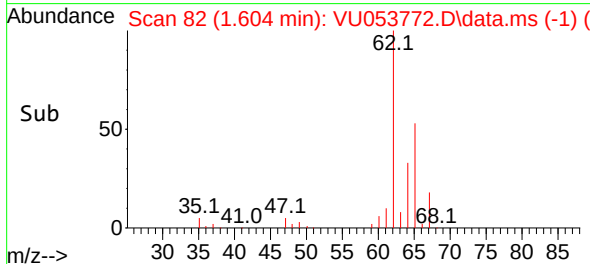
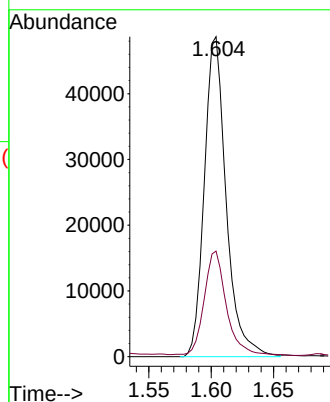
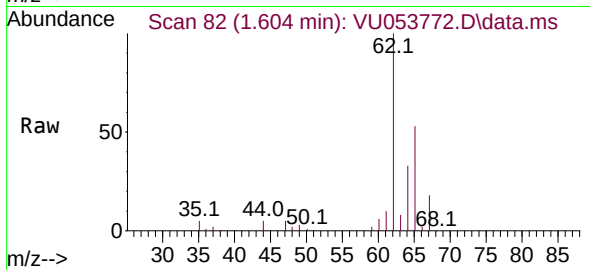




#5
 Vinyl chloride
 Concen: 5.349 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053772.D
 Acq: 18 Apr 2023 20:18

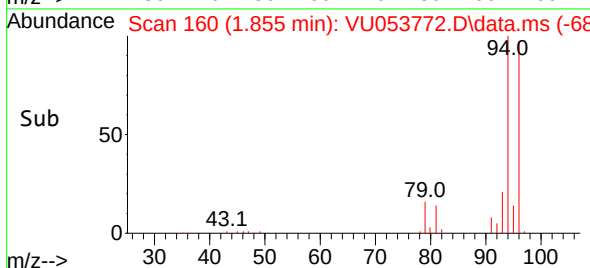
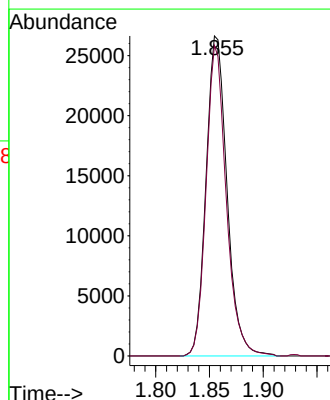
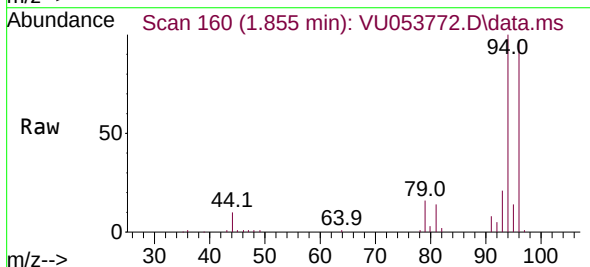
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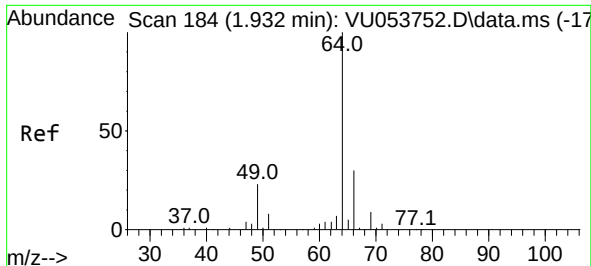
Tgt Ion: 62 Resp: 59410
 Ion Ratio Lower Upper
 62 100
 64 33.0 24.1 44.7



#6
 Bromomethane
 Concen: 5.135 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU053772.D
 Acq: 18 Apr 2023 20:18

Tgt Ion: 94 Resp: 36123
 Ion Ratio Lower Upper
 94 100
 96 97.0 68.3 126.8

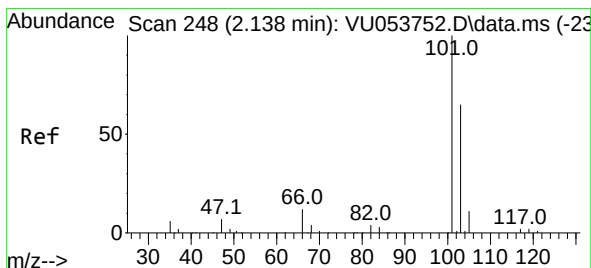
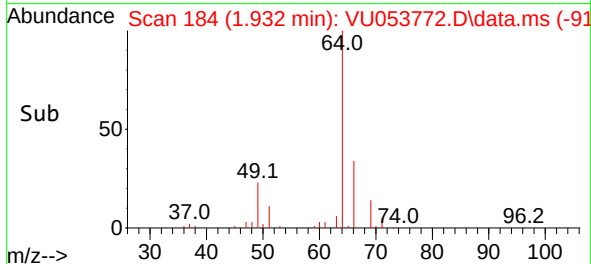
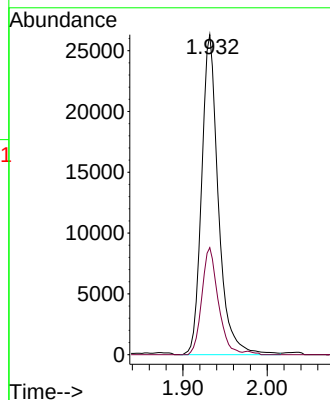
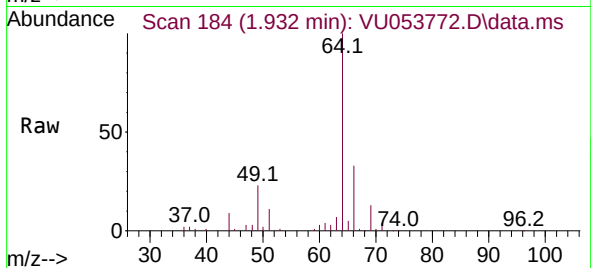




#8
Chloroethane
Concen: 5.648 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

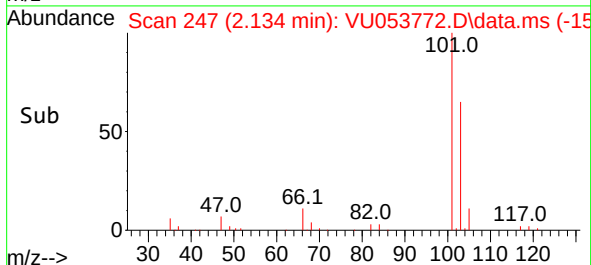
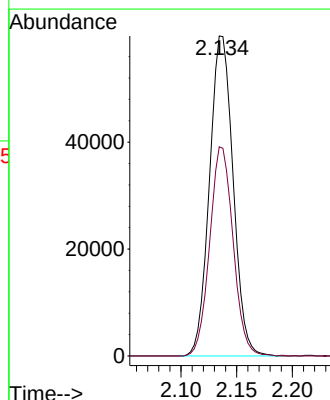
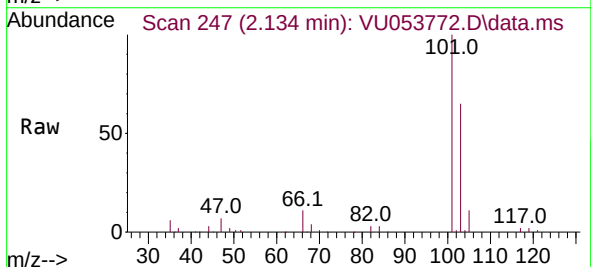
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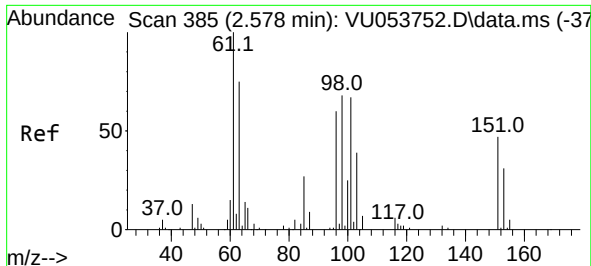
Tgt Ion: 64 Resp: 36465
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.258 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion:101 Resp: 88192
Ion Ratio Lower Upper
101 100
103 64.8 50.2 75.2

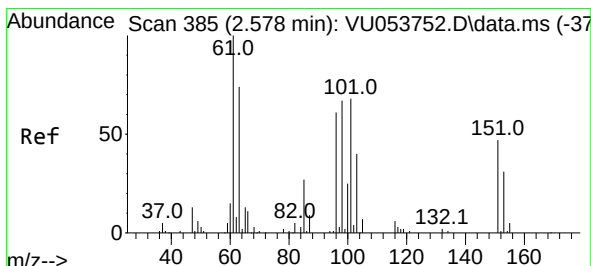
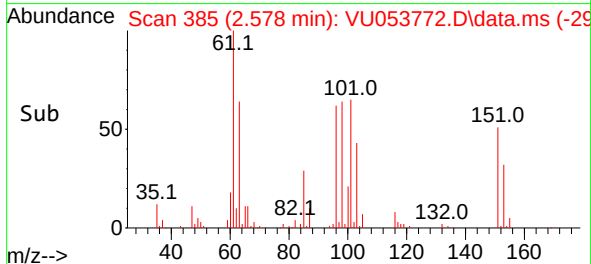
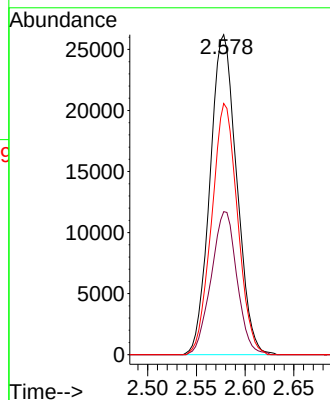
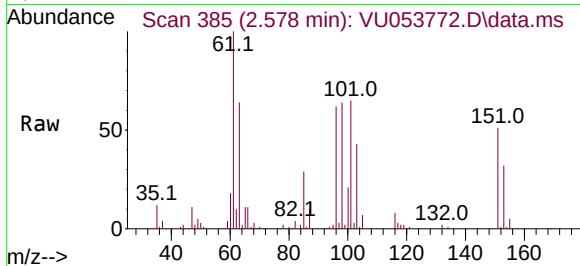




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.875 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053772.D
 Acq: 18 Apr 2023 20:18

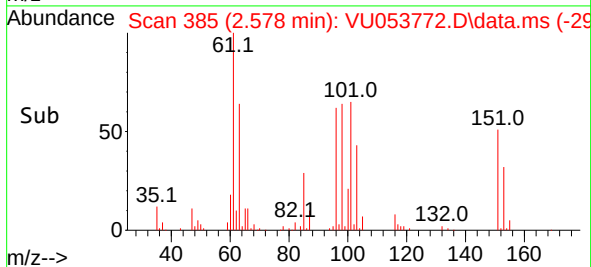
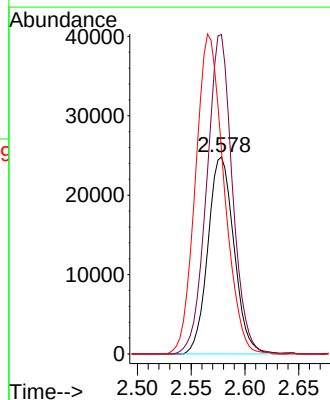
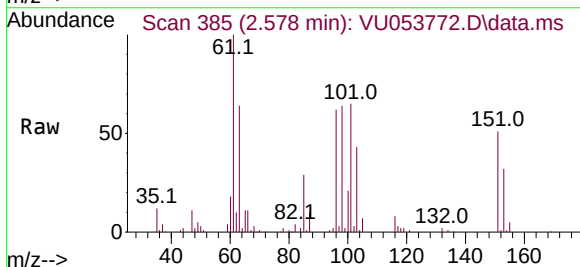
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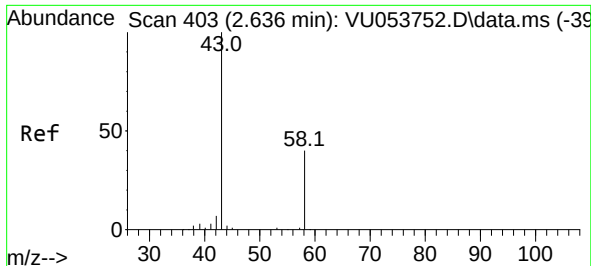
Tgt Ion:101 Resp: 49942
 Ion Ratio Lower Upper
 101 100
 85 43.1 37.0 55.4
 151 76.0 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 5.418 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053772.D
 Acq: 18 Apr 2023 20:18

Tgt Ion: 96 Resp: 41857
 Ion Ratio Lower Upper
 96 100
 61 162.1 116.8 216.8
 63 103.3 88.6 164.6





#13

Acetone

Concen: 46.258 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

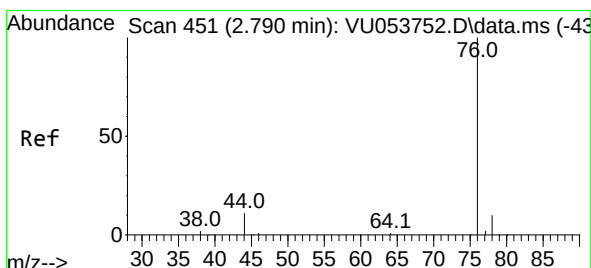
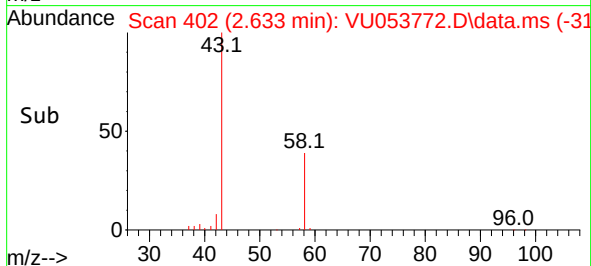
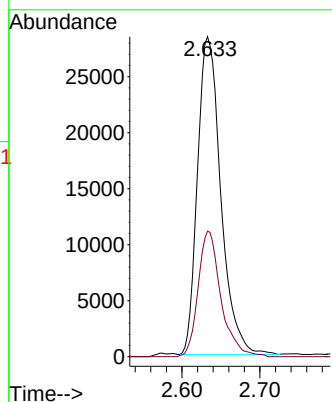
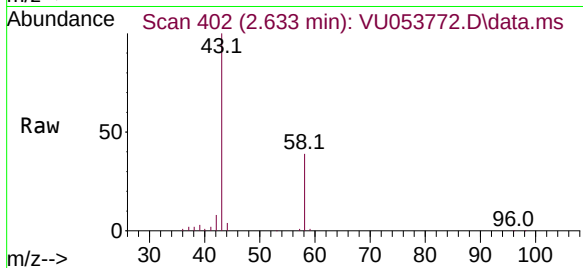
VSTD005154

Tgt Ion: 43 Resp: 59030

Ion Ratio Lower Upper

43 100

58 38.5 0.0 32.2#



#14

Carbon disulfide

Concen: 4.364 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053772.D

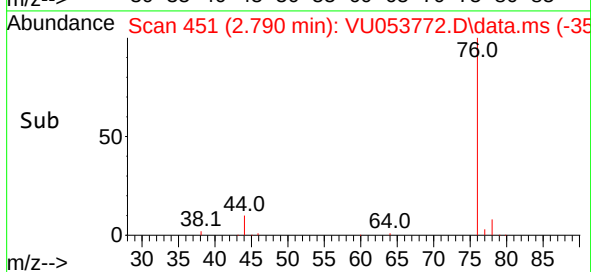
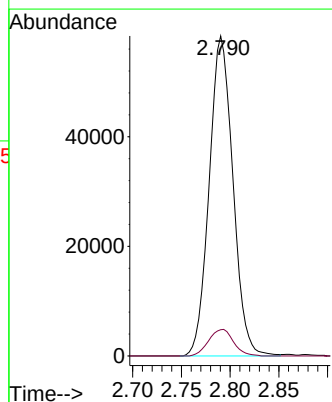
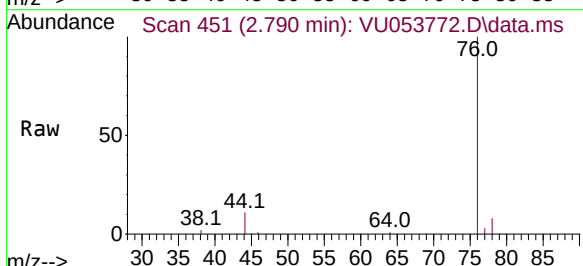
Acq: 18 Apr 2023 20:18

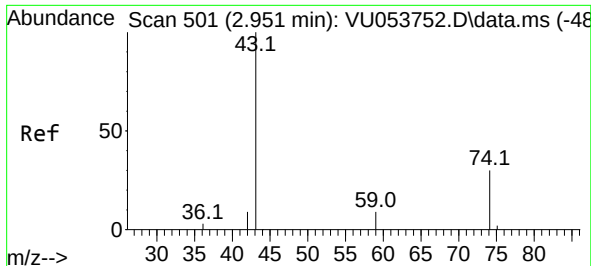
Tgt Ion: 76 Resp: 98947

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4

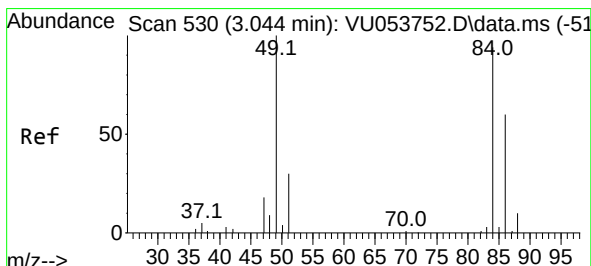
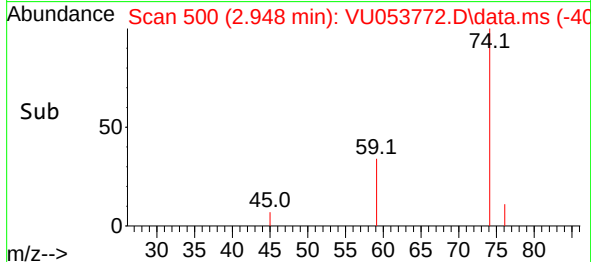
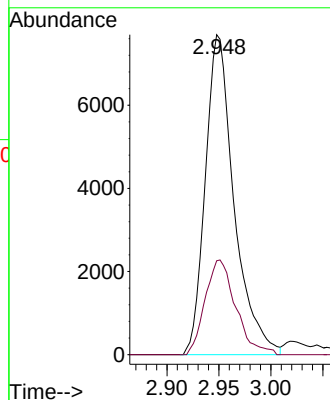
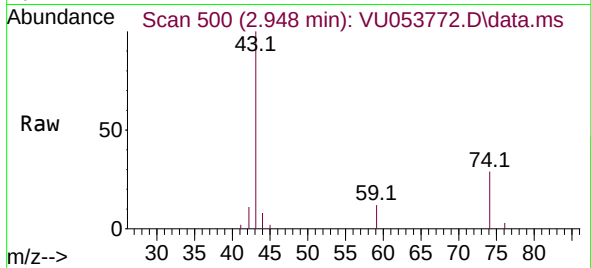




#15
Methyl Acetate
Concen: 4.946 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

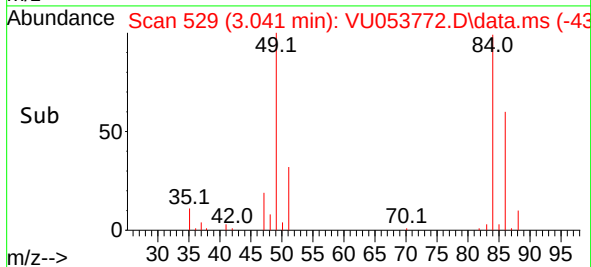
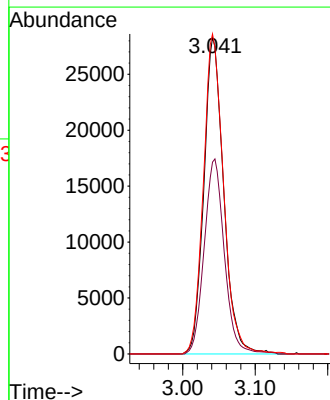
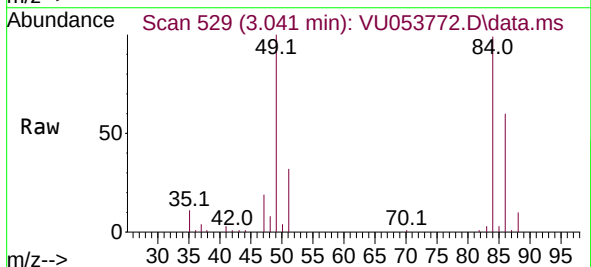
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

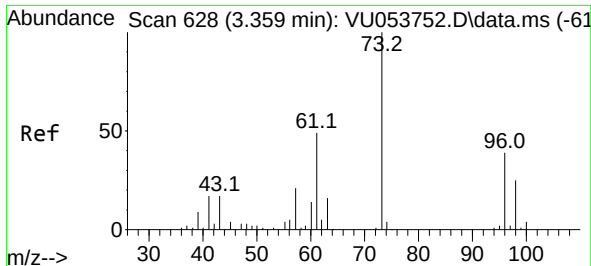
Tgt Ion: 43 Resp: 14805
Ion Ratio Lower Upper
43 100
74 31.5 20.8 31.2#



#16
Methylene chloride
Concen: 5.284 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 84 Resp: 53605
Ion Ratio Lower Upper
84 100
86 60.7 44.7 83.1
49 101.2 75.5 140.1

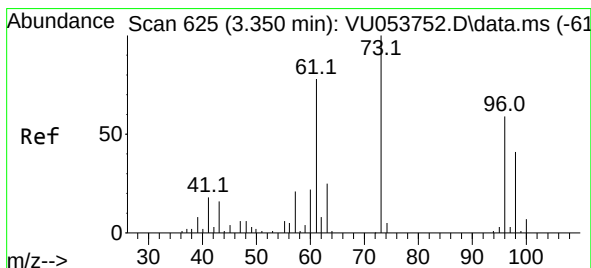
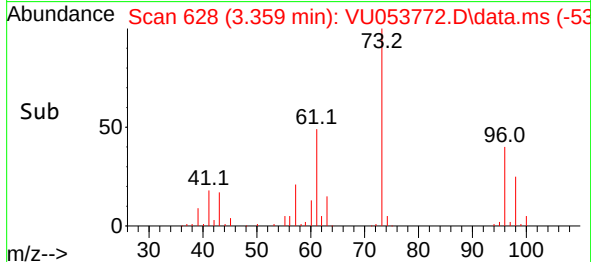
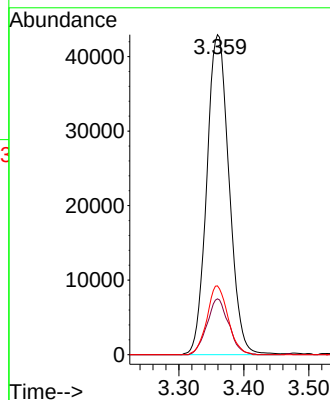
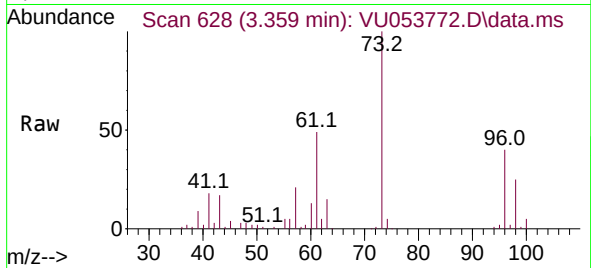




#17
Methyl tert-butyl Ether
Concen: 5.473 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

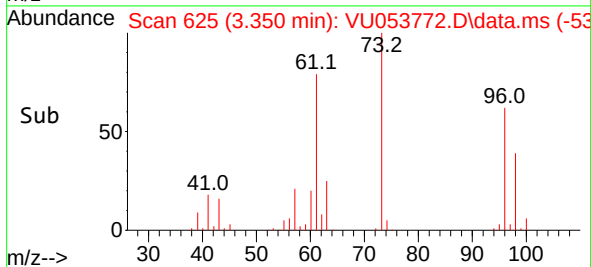
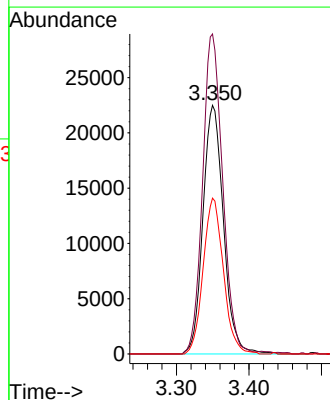
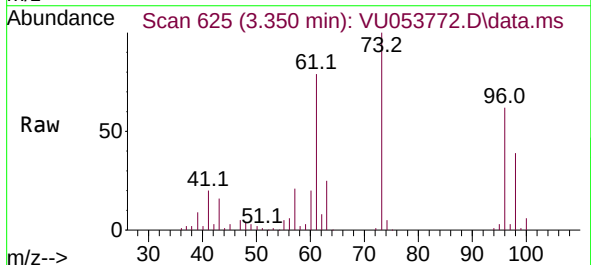
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

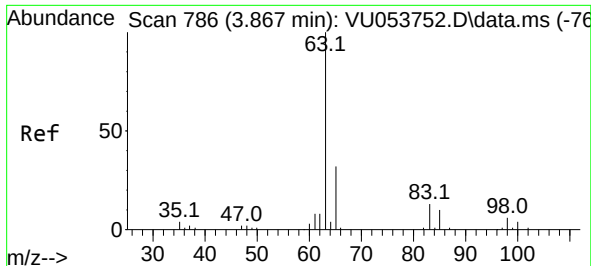
Tgt Ion: 73 Resp: 102504
Ion Ratio Lower Upper
73 100
43 17.0 13.9 20.9
57 20.3 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 5.507 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 96 Resp: 44193
Ion Ratio Lower Upper
96 100
61 128.7 95.5 177.3
98 62.7 42.2 78.4





#19

1,1-Dichloroethane

Concen: 5.567 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

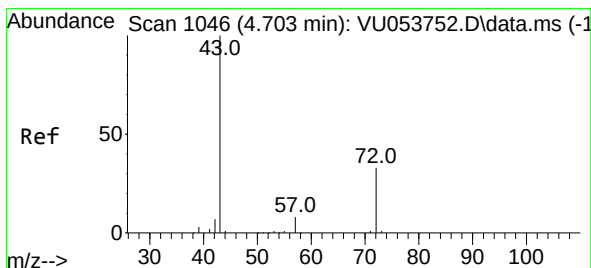
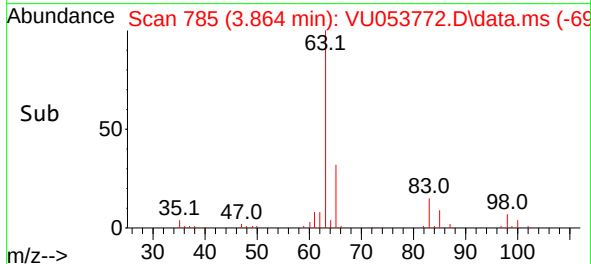
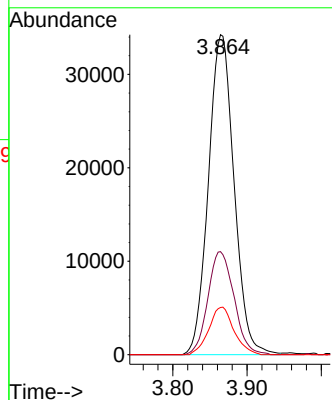
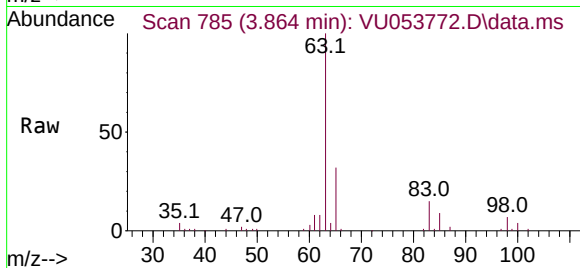
Tgt Ion: 63 Resp: 82290

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 14.8 8.1 15.1



#21

2-Butanone

Concen: 48.310 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. -0.003 min

Lab File: VU053772.D

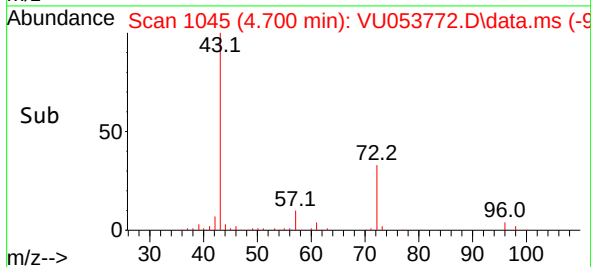
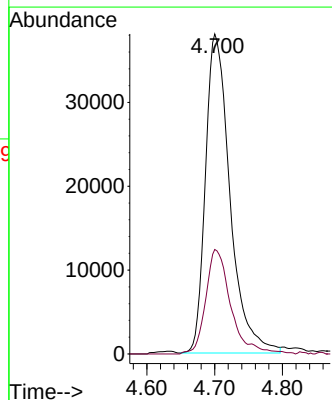
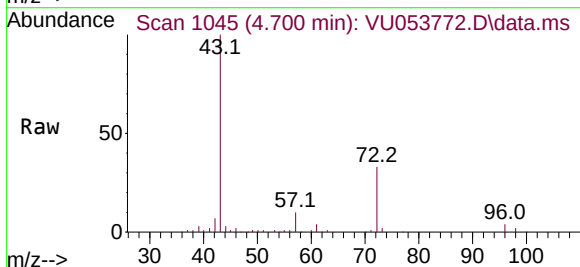
Acq: 18 Apr 2023 20:18

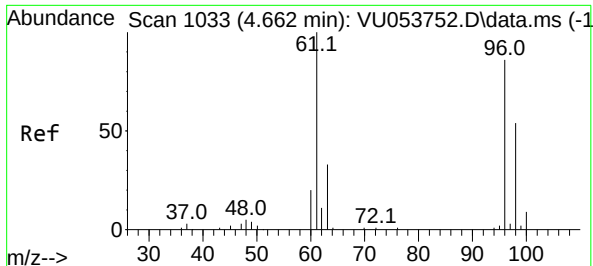
Tgt Ion: 43 Resp: 95725

Ion Ratio Lower Upper

43 100

72 33.4 16.2 48.6

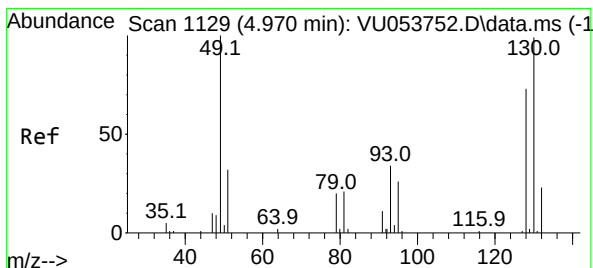
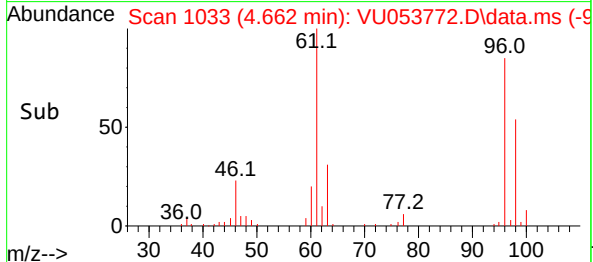
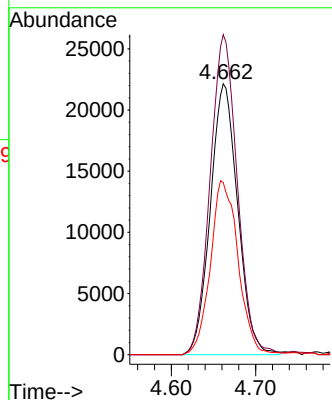
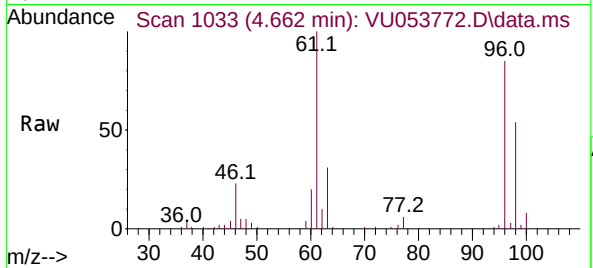




#22
 cis-1,2-Dichloroethene
 Concen: 4.627 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053772.D
 Acq: 18 Apr 2023 20:18

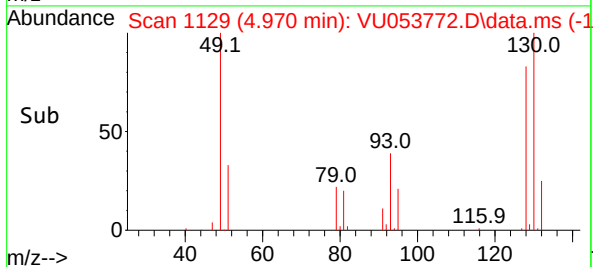
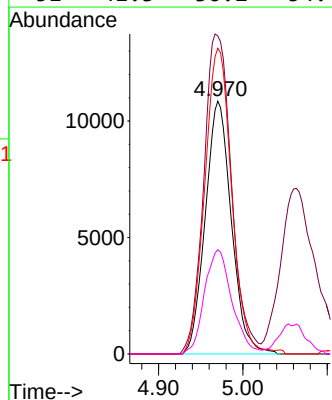
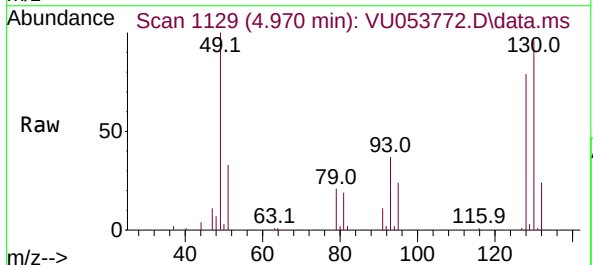
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005154

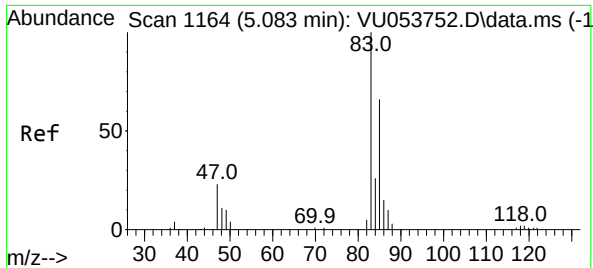
Tgt Ion: 96 Resp: 50023
 Ion Ratio Lower Upper
 96 100
 61 118.1 86.6 160.8
 98 63.6 47.7 88.5



#23
 Bromochloromethane
 Concen: 6.100 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU053772.D
 Acq: 18 Apr 2023 20:18

Tgt Ion: 128 Resp: 23341
 Ion Ratio Lower Upper
 128 100
 49 125.9 102.8 190.8
 130 121.0 85.1 158.1
 51 41.3 36.2 54.4

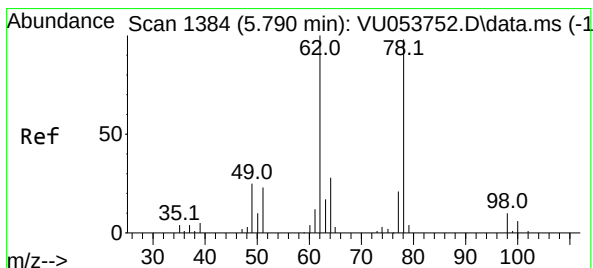
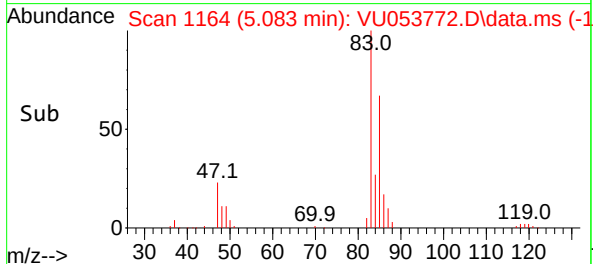
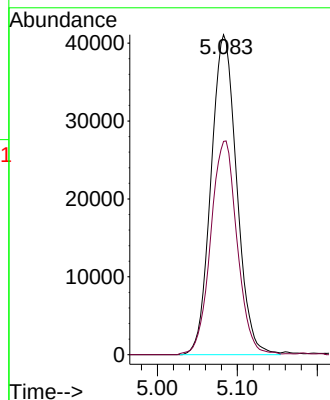
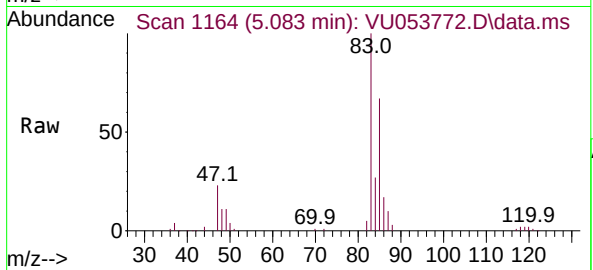




#25
Chloroform
Concen: 6.024 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

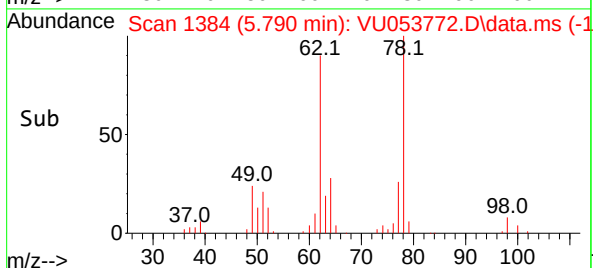
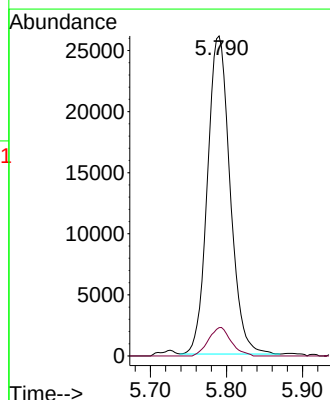
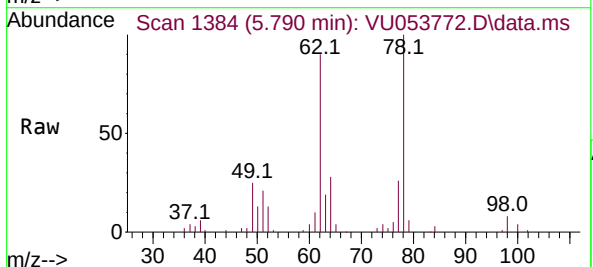
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

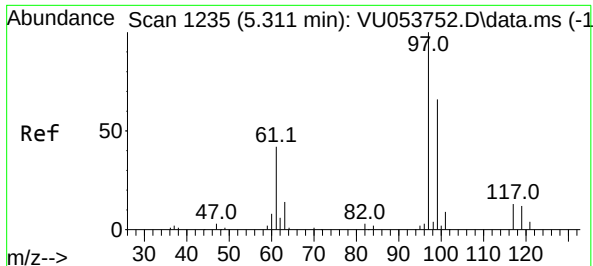
Tgt Ion: 83 Resp: 91602
Ion Ratio Lower Upper
83 100
85 66.7 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.643 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 62 Resp: 53744
Ion Ratio Lower Upper
62 100
98 8.8 6.4 9.6

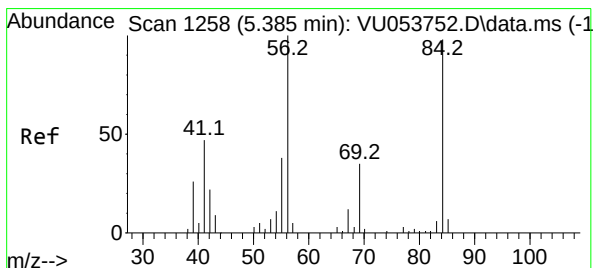
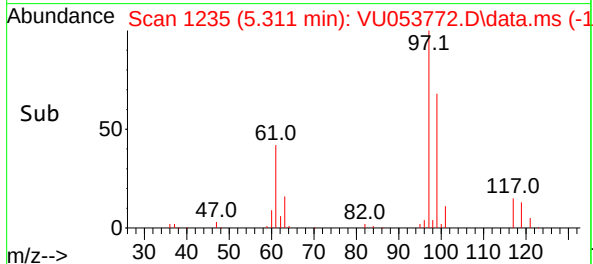
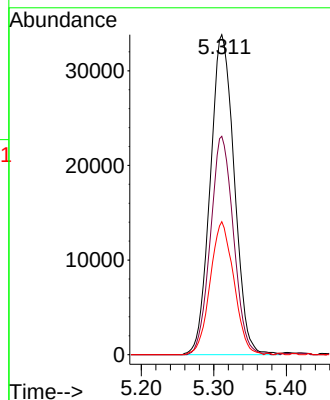
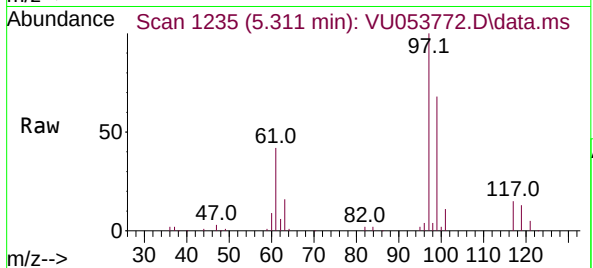




#29
1,1,1-Trichloroethane
Concen: 5.958 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

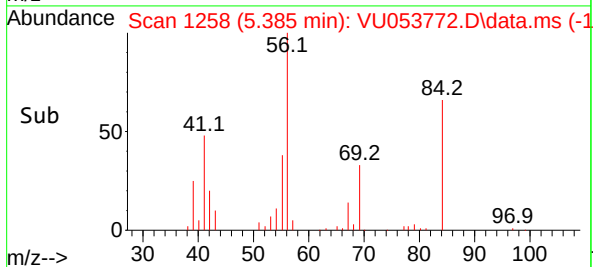
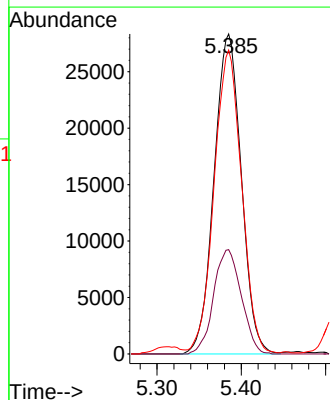
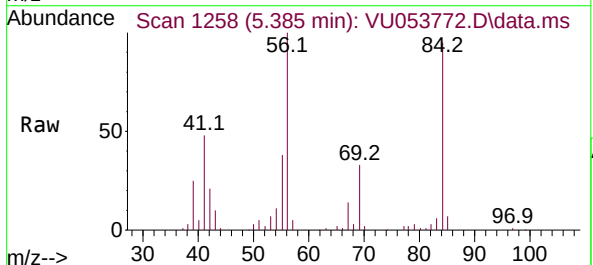
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

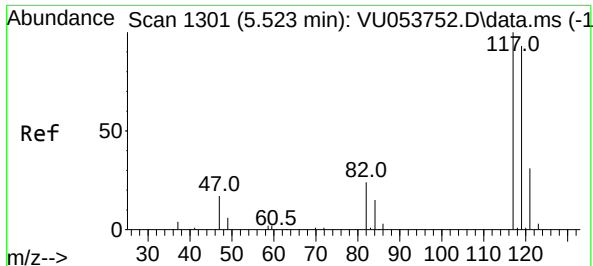
Tgt Ion: 97	Resp: 77846
Ion Ratio	Lower Upper
97 100	
99 65.6	49.9 74.9
61 40.9	35.7 53.5



#30
Cyclohexane
Concen: 4.570 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 56	Resp: 63608
Ion Ratio	Lower Upper
56 100	
69 33.0	26.1 39.1
84 95.4	75.6 113.4

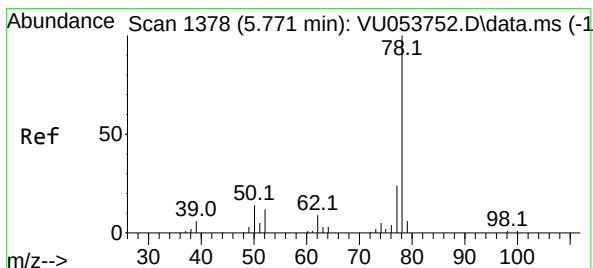
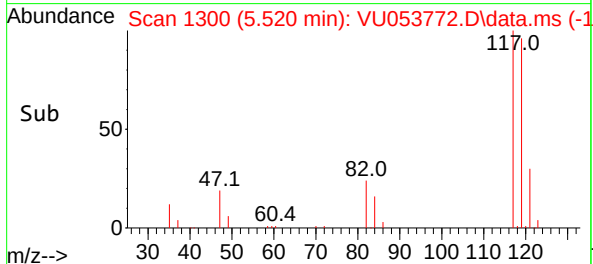
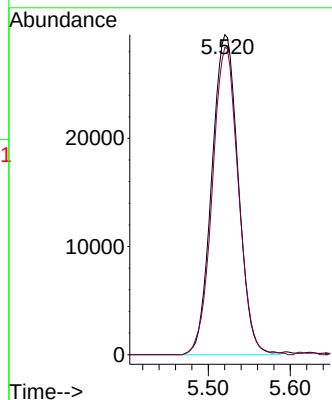
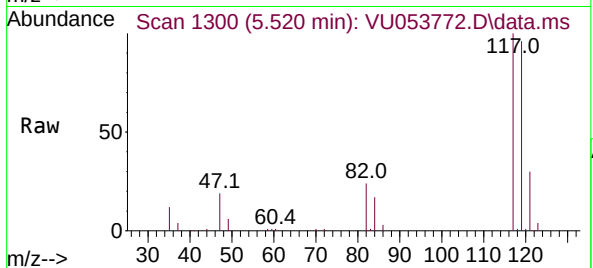




#31
Carbon tetrachloride
Concen: 5.987 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

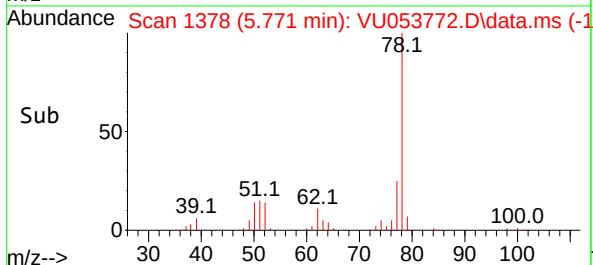
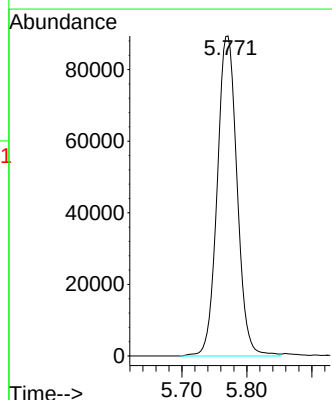
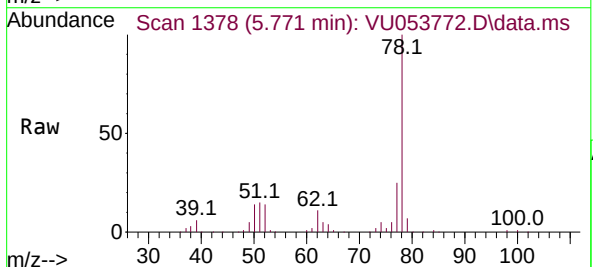
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

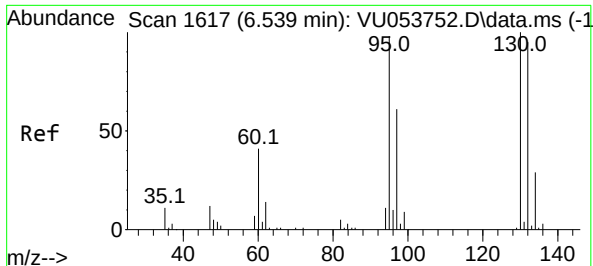
Tgt Ion:117 Resp: 66187
Ion Ratio Lower Upper
117 100
119 94.7 77.7 116.5



#33
Benzene
Concen: 5.332 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 78 Resp: 189055



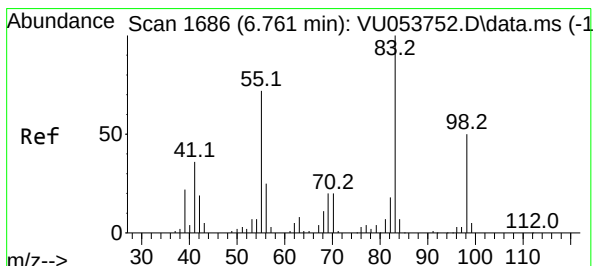
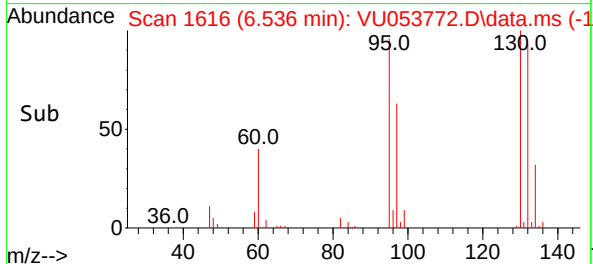
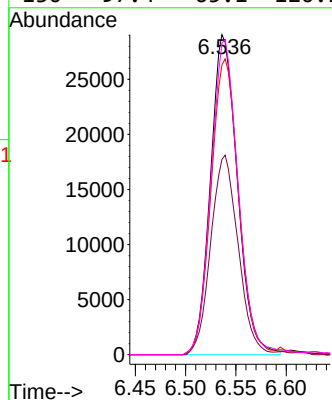
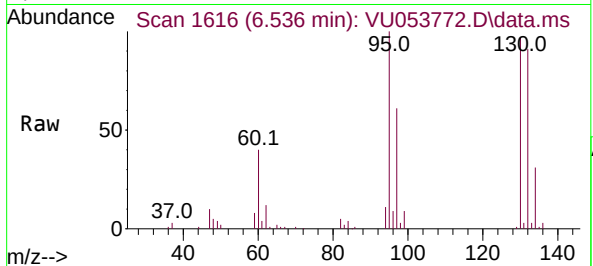


#34
Trichloroethene
Concen: 5.734 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

Tgt Ion: 95 Resp: 54147

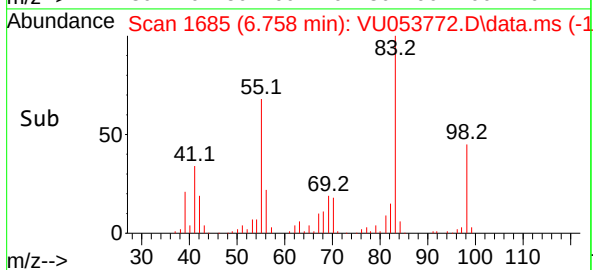
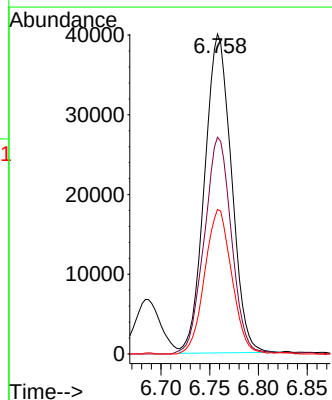
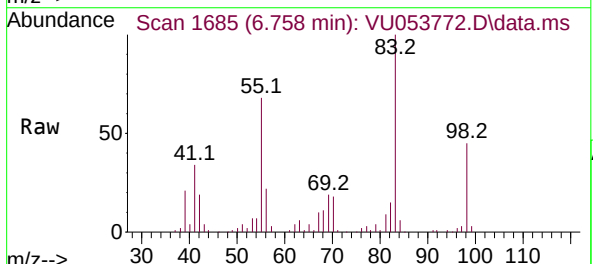
Ion	Ratio	Lower	Upper
95	100		
97	61.1	45.3	84.1
132	90.5	62.8	116.6
130	97.4	65.1	120.9

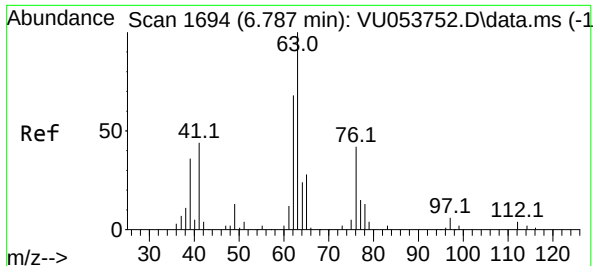


#35
Methylcyclohexane
Concen: 4.725 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 83 Resp: 76566

Ion	Ratio	Lower	Upper
83	100		
55	69.1	54.9	82.3
98	45.7	34.9	52.3

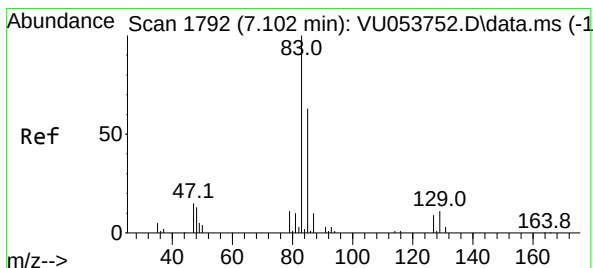
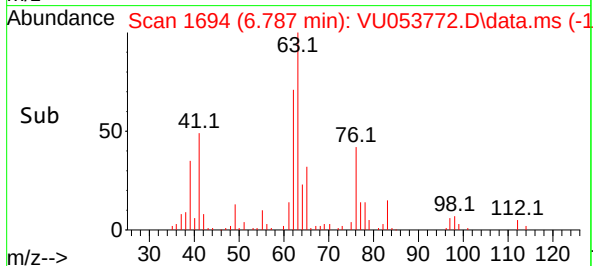
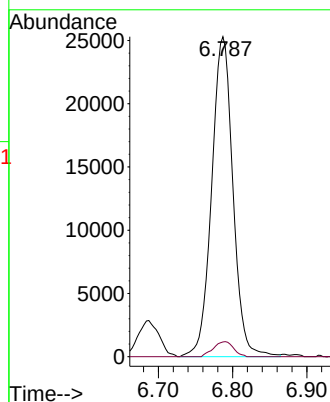
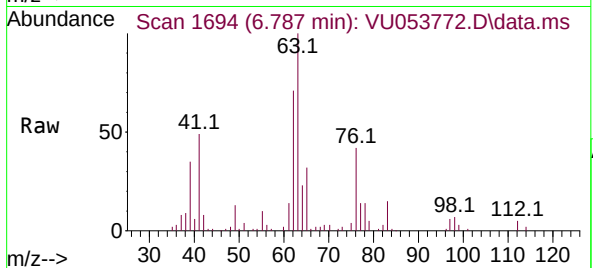




#37
1,2-Dichloropropane
Concen: 5.386 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

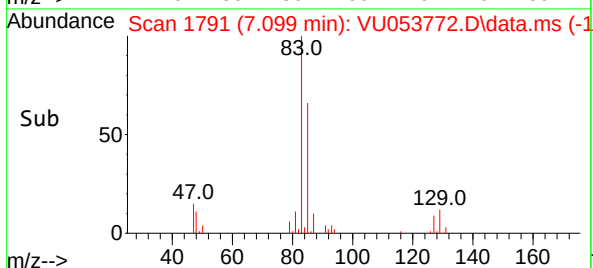
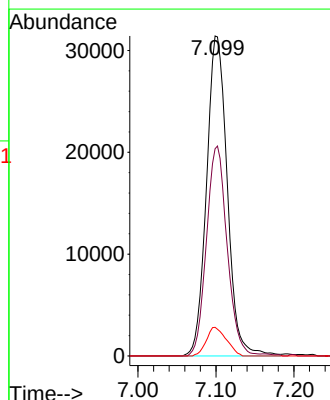
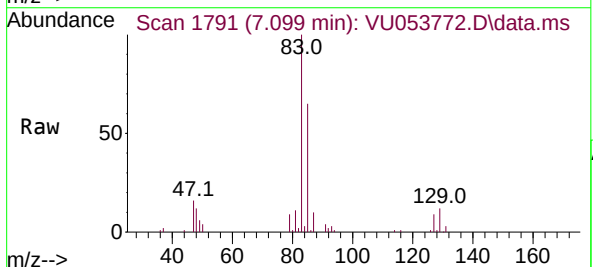
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

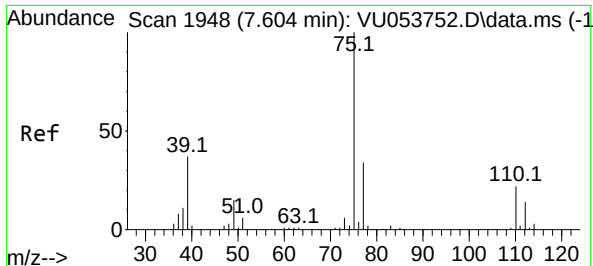
Tgt Ion: 63 Resp: 50423
Ion Ratio Lower Upper
63 100
112 4.4 3.0 4.4



#38
Bromodichloromethane
Concen: 5.594 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 83 Resp: 58167
Ion Ratio Lower Upper
83 100
85 64.7 44.0 81.8
127 8.9 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.200 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

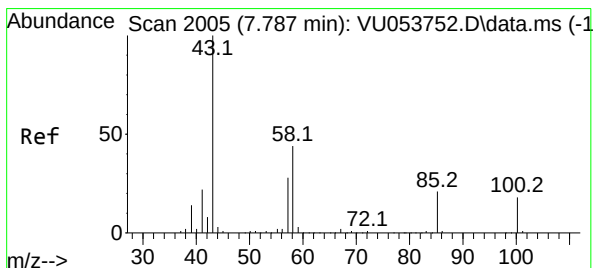
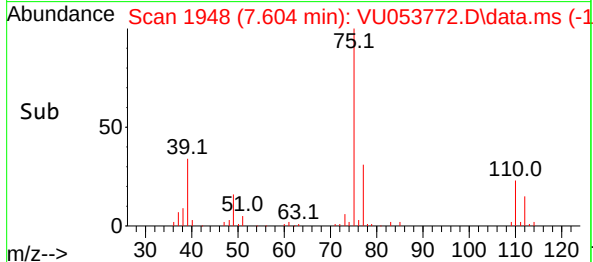
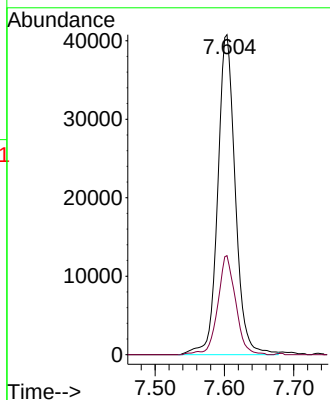
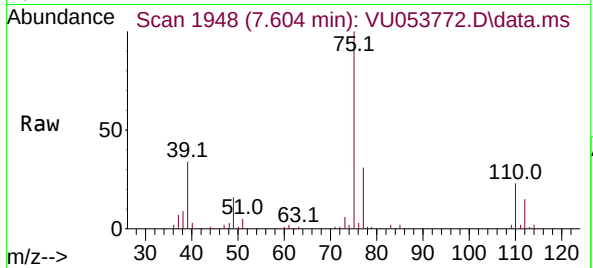
VSTD005154

Tgt Ion: 75 Resp: 71929

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 51.562 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

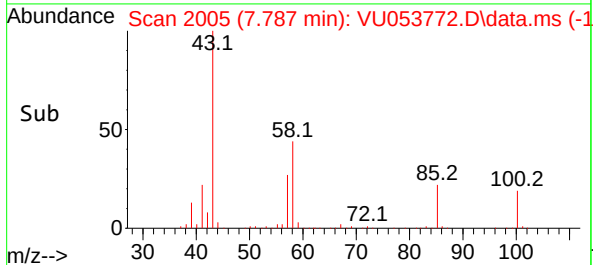
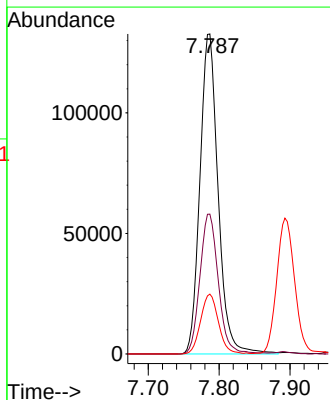
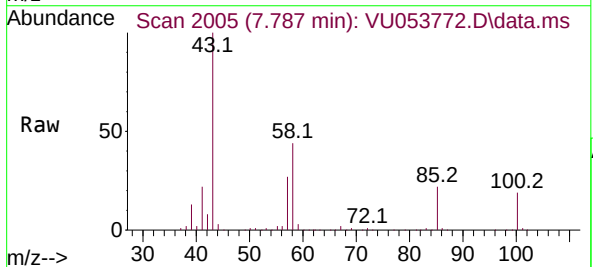
Tgt Ion: 43 Resp: 236239

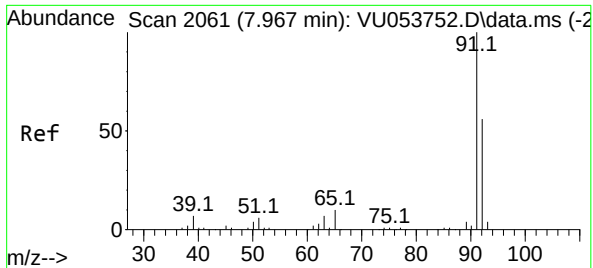
Ion Ratio Lower Upper

43 100

58 44.3 37.4 56.0

100 18.3 14.0 21.0





#42

Toluene

Concen: 5.287 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

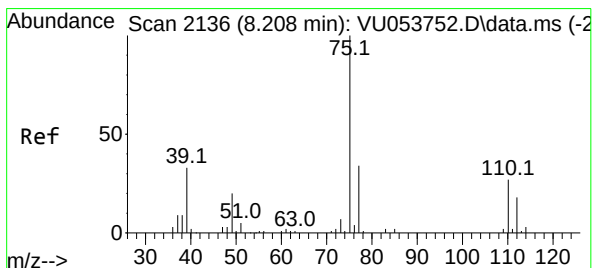
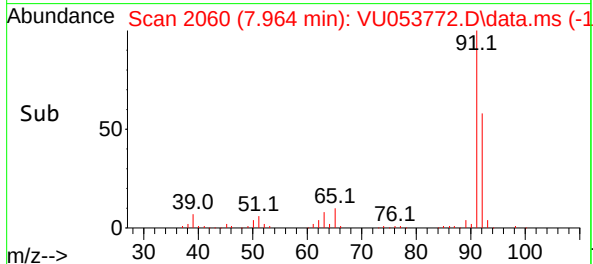
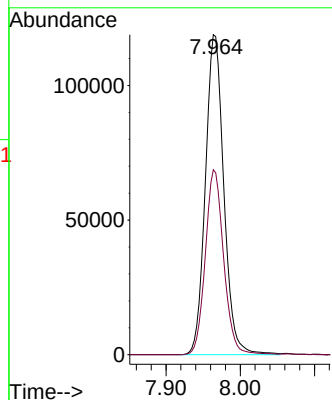
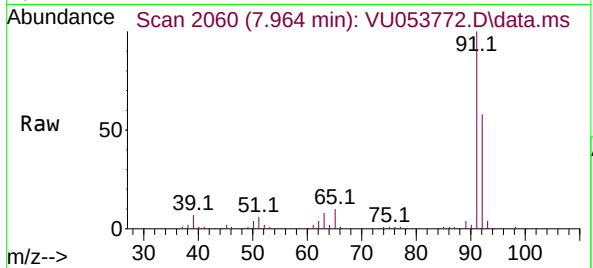
VSTD005154

Tgt Ion: 91 Resp: 204852

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.183 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053772.D

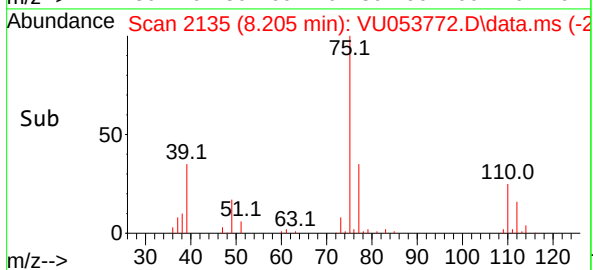
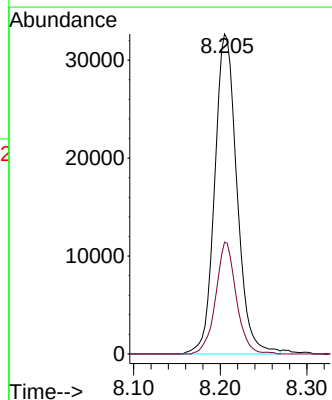
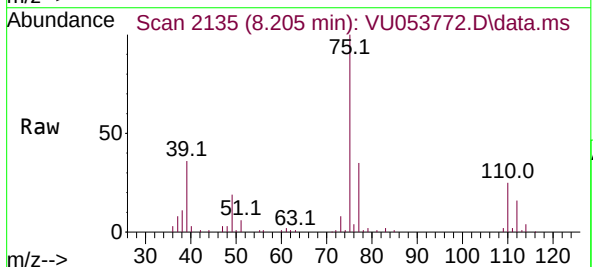
Acq: 18 Apr 2023 20:18

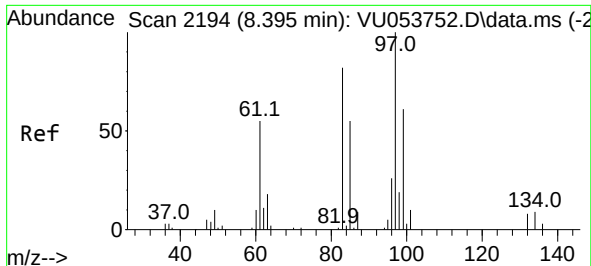
Tgt Ion: 75 Resp: 58333

Ion Ratio Lower Upper

75 100

77 35.0 22.0 40.8

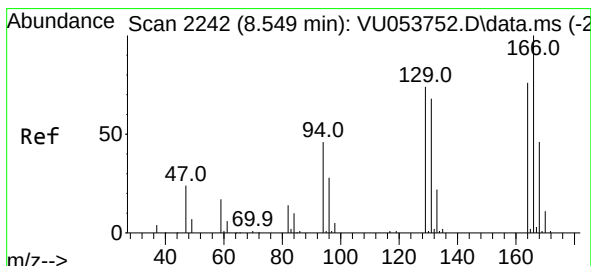
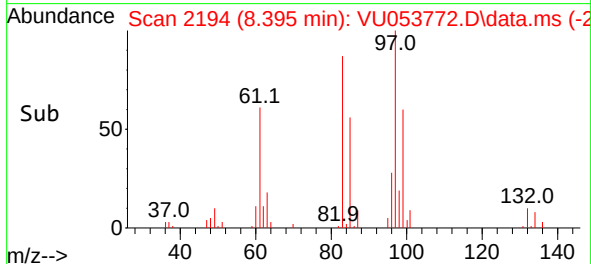
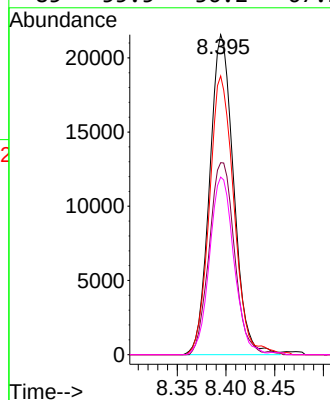
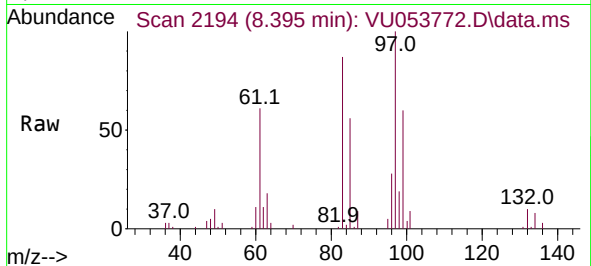




#45
1,1,2-Trichloroethane
Concen: 5.567 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

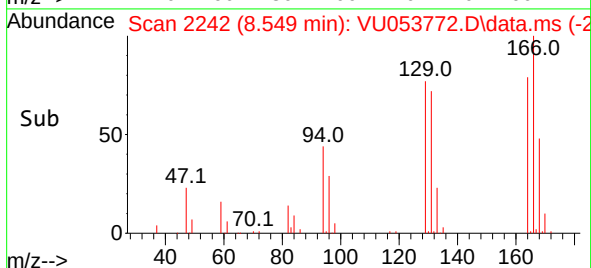
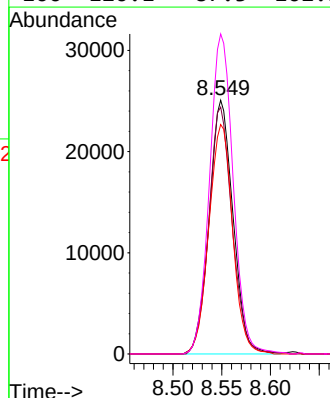
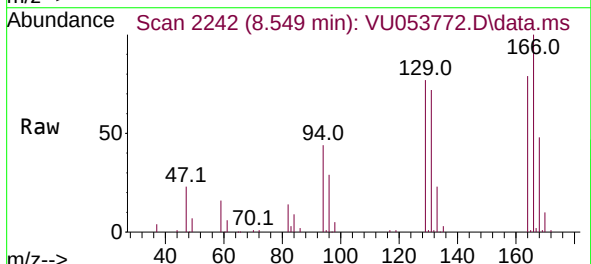
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

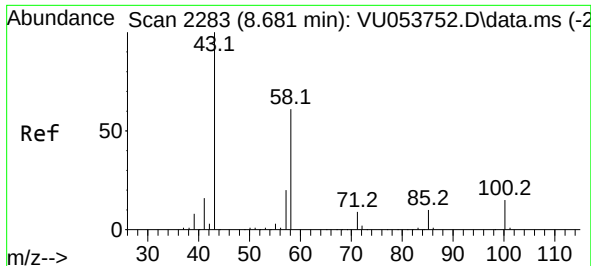
Tgt Ion:	97	Resp:	37006
Ion	Ratio	Lower	Upper
97	100		
99	60.0	38.9	72.2
83	87.1	57.6	107.0
85	55.5	36.2	67.2



#47
Tetrachloroethene
Concen: 6.156 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion:	164	Resp:	42713
Ion	Ratio	Lower	Upper
164	100		
129	97.3	74.8	138.8
131	90.4	70.1	130.1
166	126.1	87.3	162.1

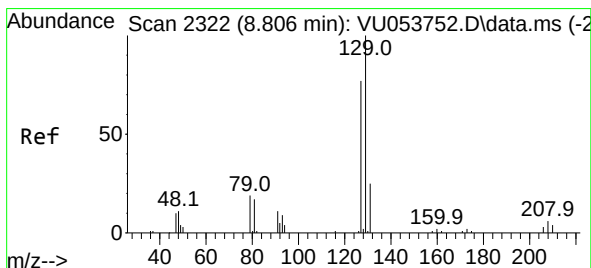
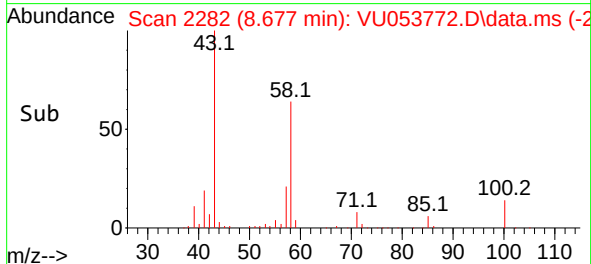
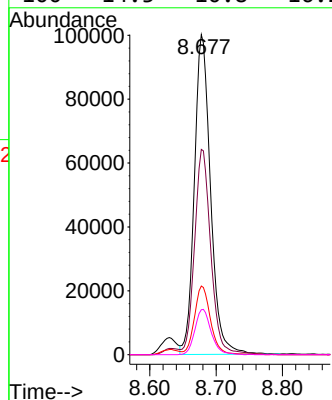
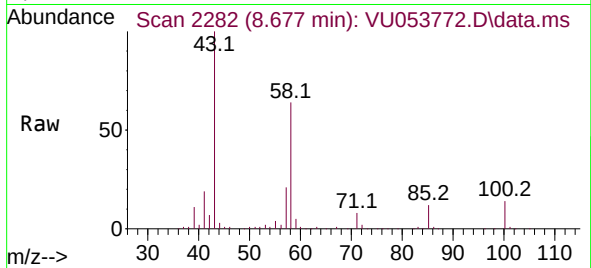




#48
2-Hexanone
Concen: 50.148 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

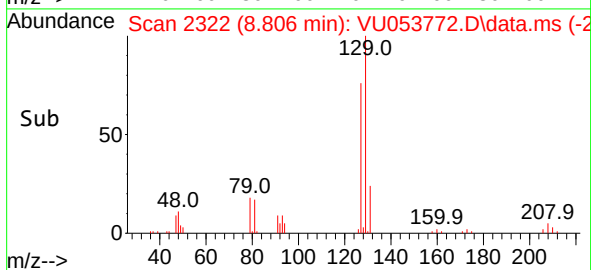
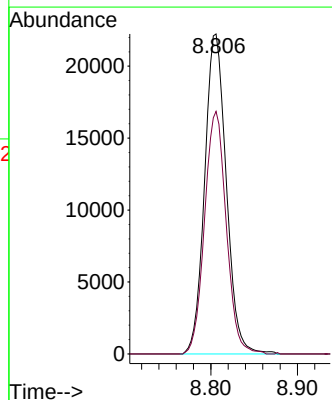
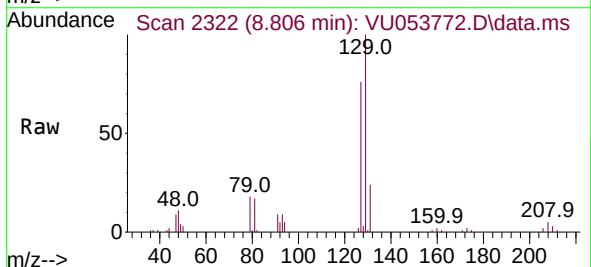
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

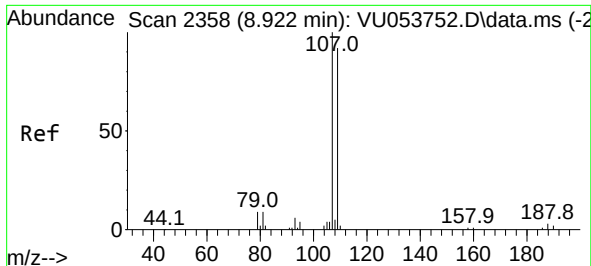
Tgt Ion: 43 Resp: 169887
Ion Ratio Lower Upper
43 100
58 64.5 52.8 79.2
57 21.1 17.1 25.7
100 14.3 10.8 16.2



#49
Dibromochloromethane
Concen: 5.884 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion: 129 Resp: 38680
Ion Ratio Lower Upper
129 100
127 75.8 52.2 97.0





#50

1,2-Dibromoethane

Concen: 5.444 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

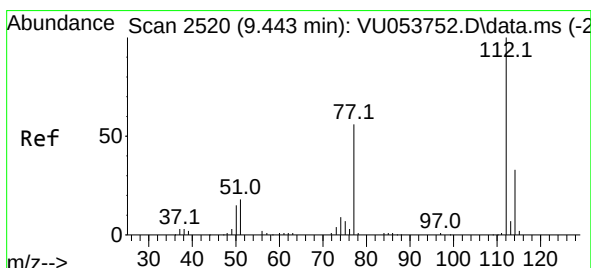
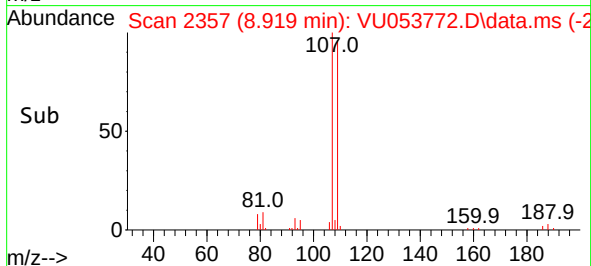
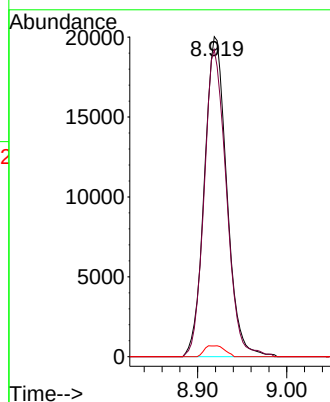
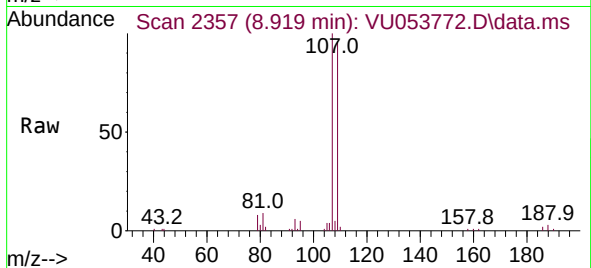
Tgt Ion:107 Resp: 34952

Ion Ratio Lower Upper

107 100

109 95.9 64.7 120.1

188 3.3 3.0 4.6



#51

Chlorobenzene

Concen: 5.560 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

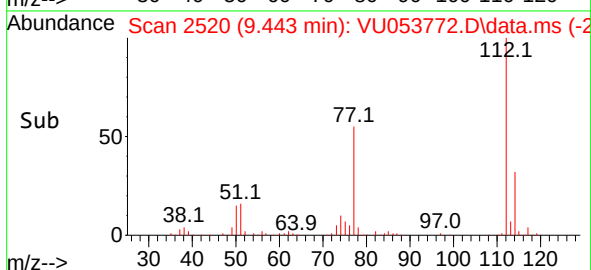
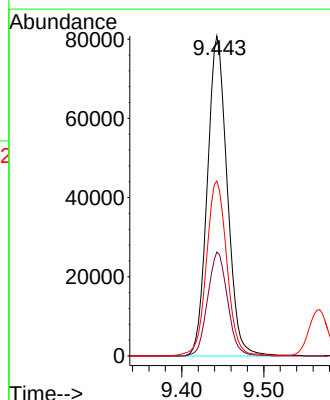
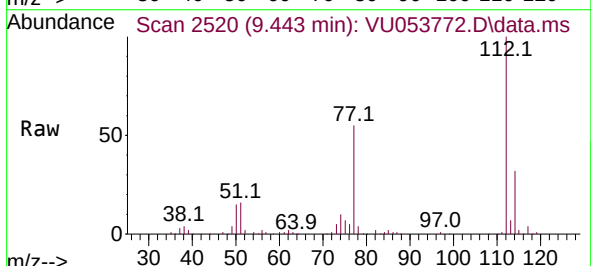
Tgt Ion:112 Resp: 135864

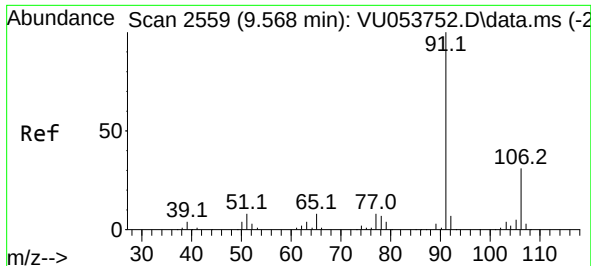
Ion Ratio Lower Upper

112 100

114 32.5 22.1 41.1

77 54.7 45.8 68.6

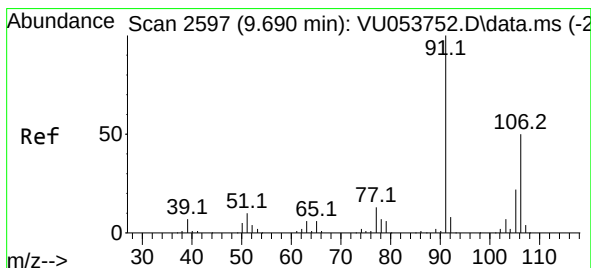
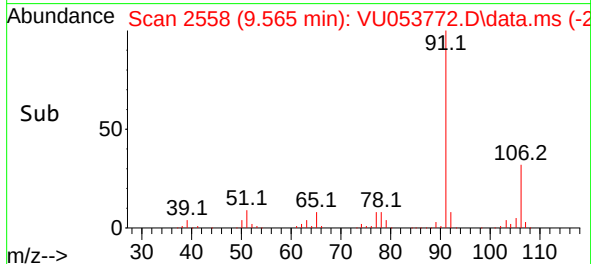
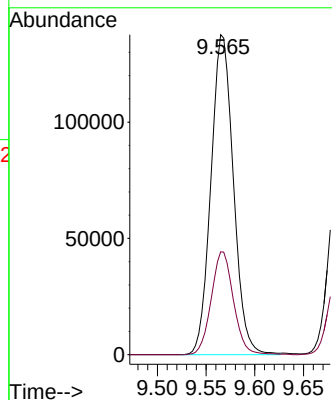
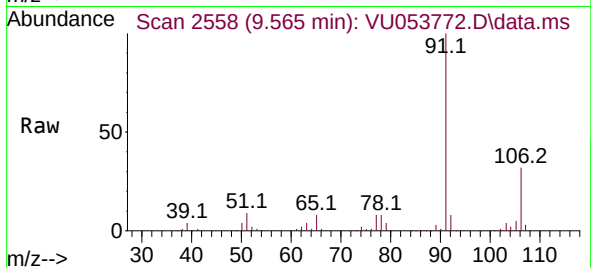




#52
Ethylbenzene
Concen: 5.221 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

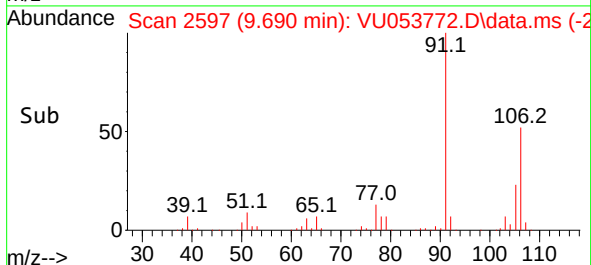
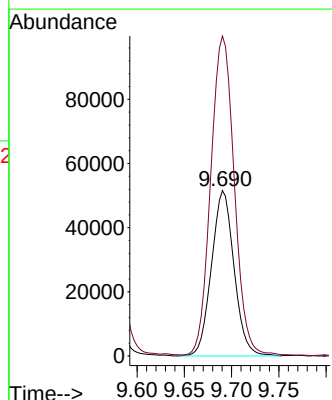
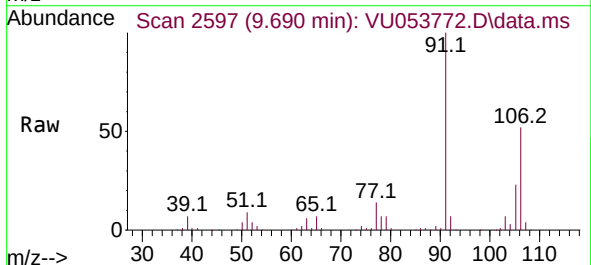
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

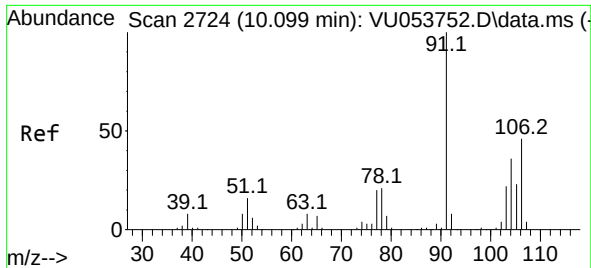
Tgt Ion: 91 Resp: 220489
Ion Ratio Lower Upper
91 100
106 32.1 22.5 41.9



#53
m,p-Xylene
Concen: 5.320 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion:106 Resp: 85645
Ion Ratio Lower Upper
106 100
91 193.4 138.8 257.8

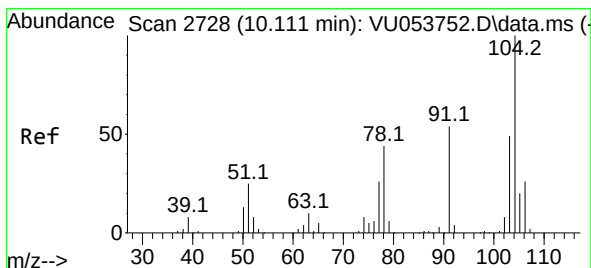
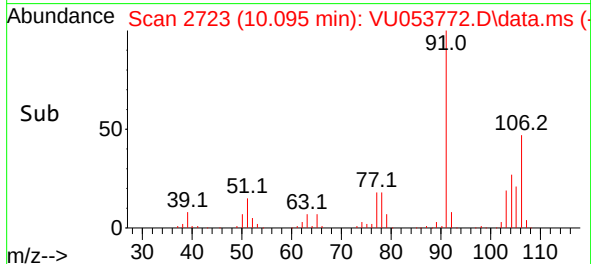
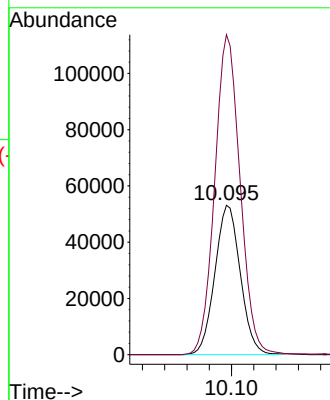
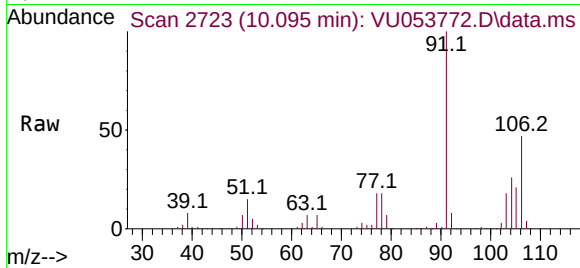




#54
o-Xylene
Concen: 5.511 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.003 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

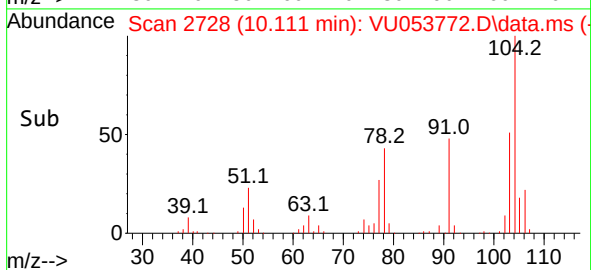
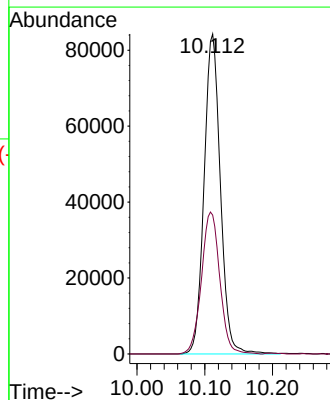
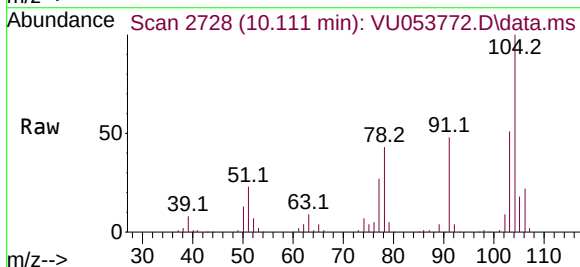
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

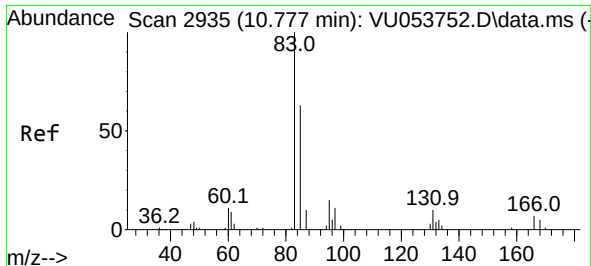
Tgt Ion:106 Resp: 84181
Ion Ratio Lower Upper
106 100
91 214.0 150.8 280.0



#55
Styrene
Concen: 5.619 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion:104 Resp: 140947
Ion Ratio Lower Upper
104 100
78 43.4 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.368 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

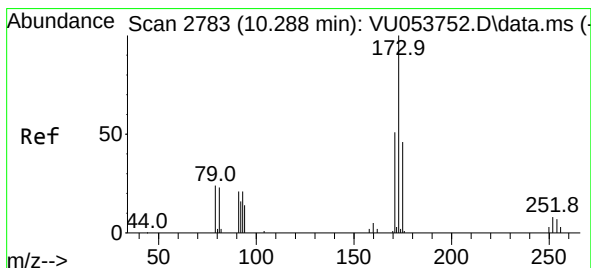
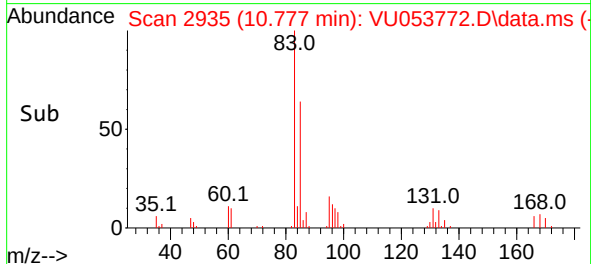
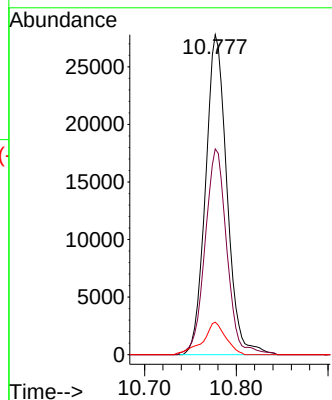
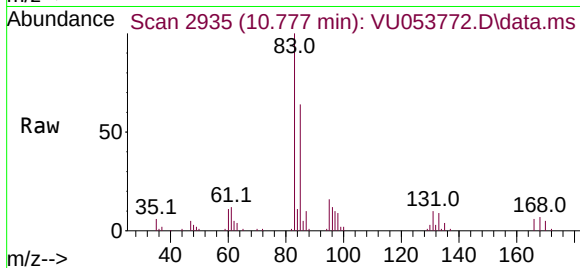
Tgt Ion: 83 Resp: 45060

Ion Ratio Lower Upper

83 100

85 64.3 43.8 81.4

131 10.2 7.2 10.8



#59

Bromoform

Concen: 5.486 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

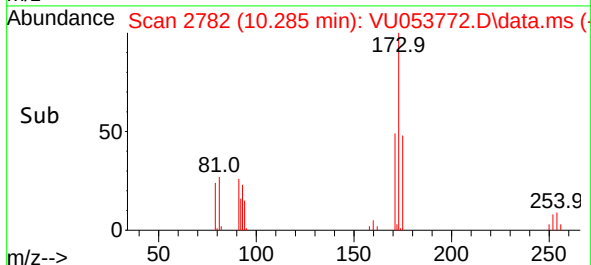
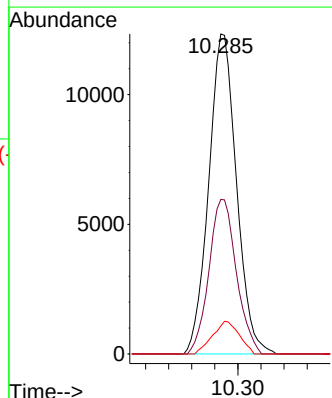
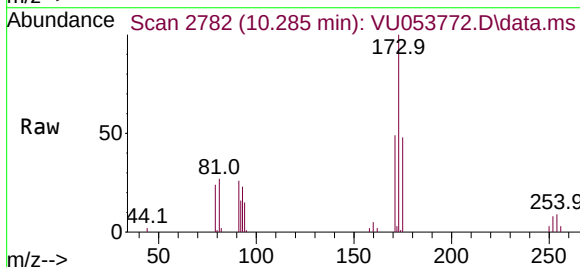
Tgt Ion:173 Resp: 20588

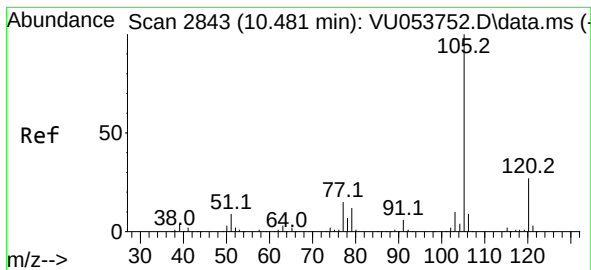
Ion Ratio Lower Upper

173 100

175 47.7 39.9 59.9

254 9.8 6.6 9.8





#60

Isopropylbenzene

Concen: 5.114 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

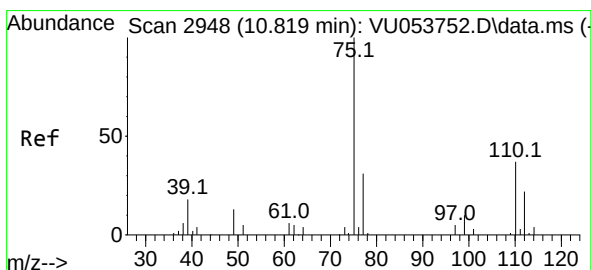
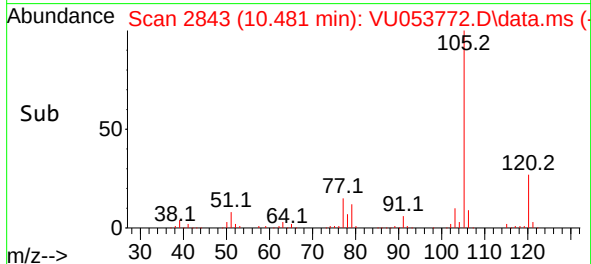
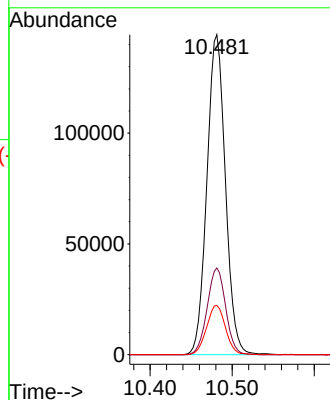
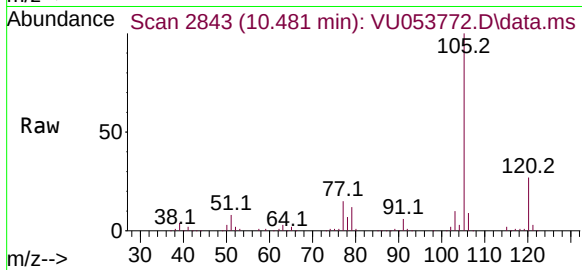
Tgt Ion:105 Resp: 226377

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

77 15.8 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.126 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

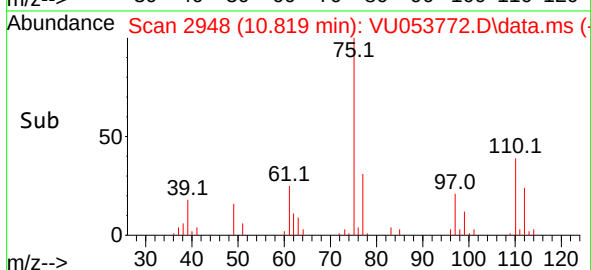
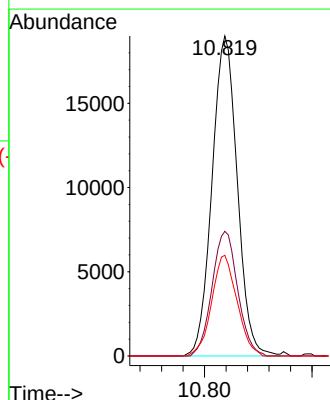
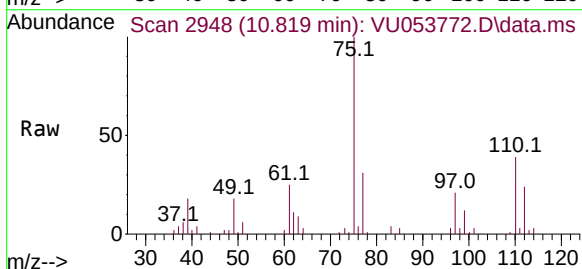
Tgt Ion: 75 Resp: 30951

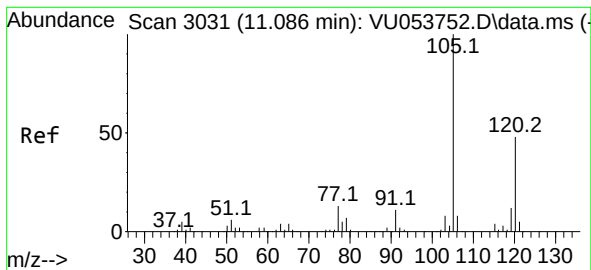
Ion Ratio Lower Upper

75 100

110 39.6 30.6 46.0

77 31.6 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 5.151 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

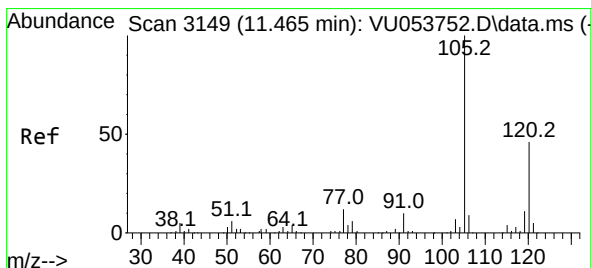
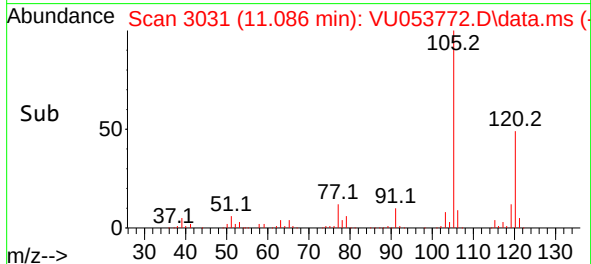
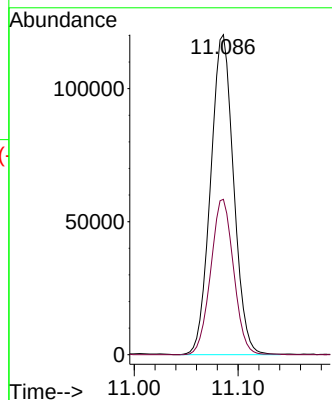
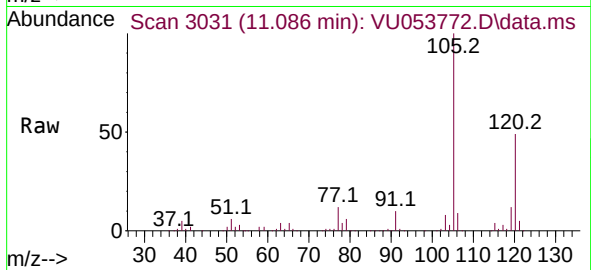
VSTD005154

Tgt Ion:105 Resp: 185031

Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.096 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU053772.D

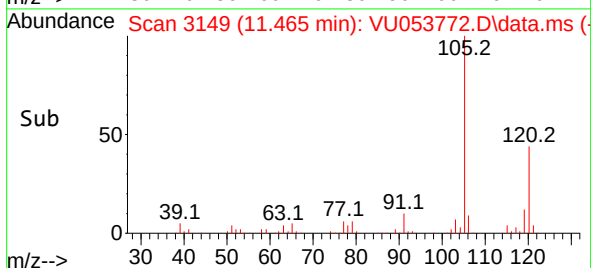
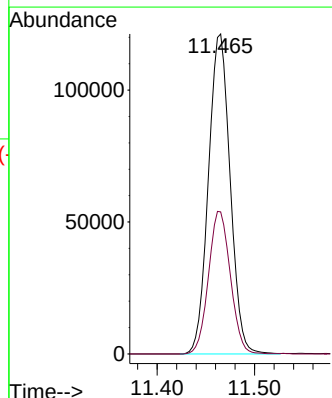
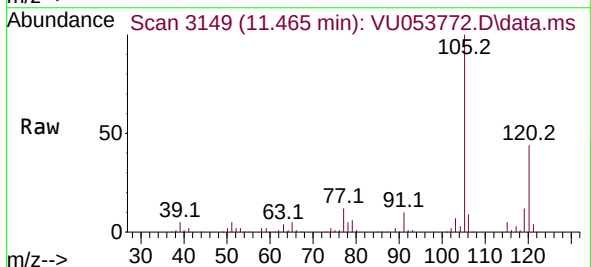
Acq: 18 Apr 2023 20:18

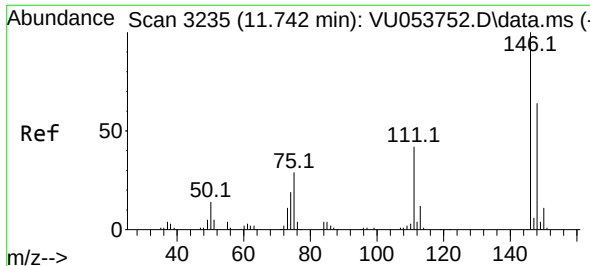
Tgt Ion:105 Resp: 187496

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.0

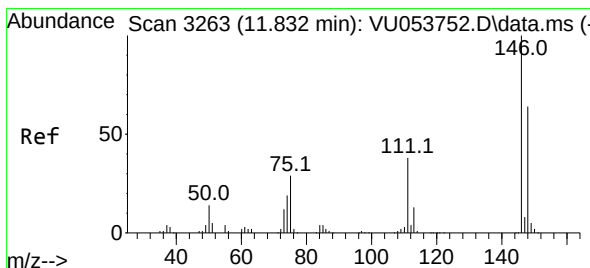
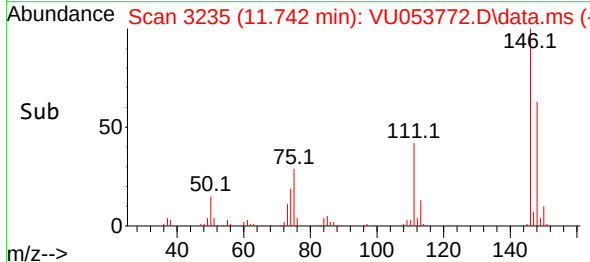
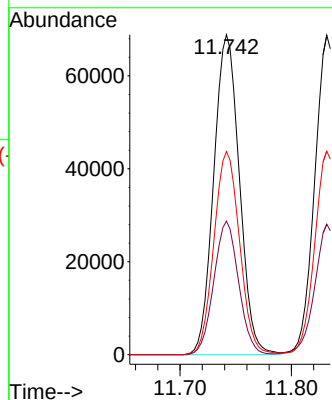
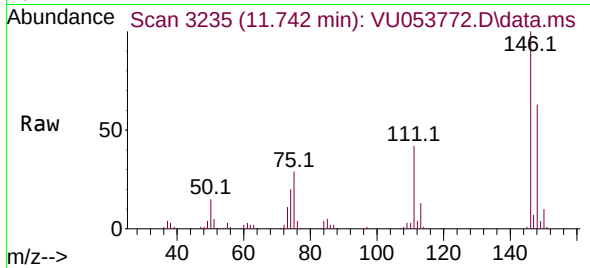




#64
1,3-Dichlorobenzene
Concen: 5.663 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

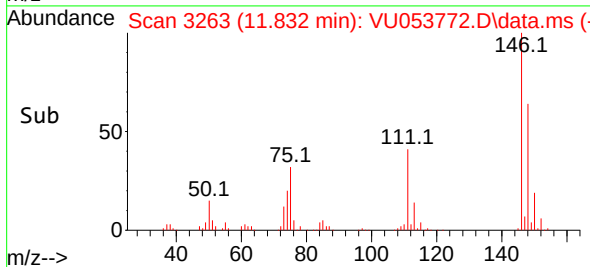
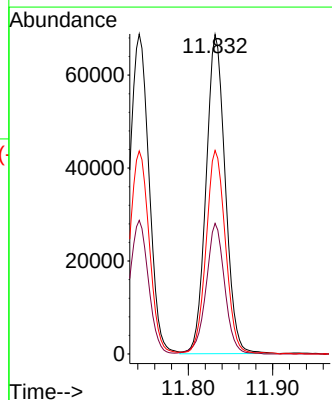
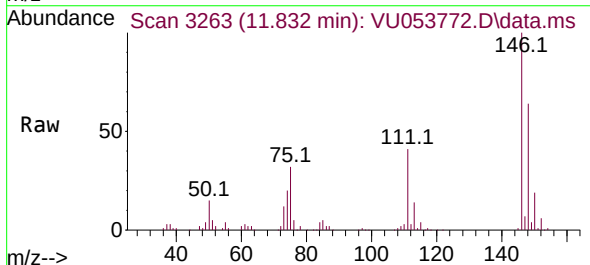
Instrument :
MSVOA_U
ClientSampleId :
VSTD005154

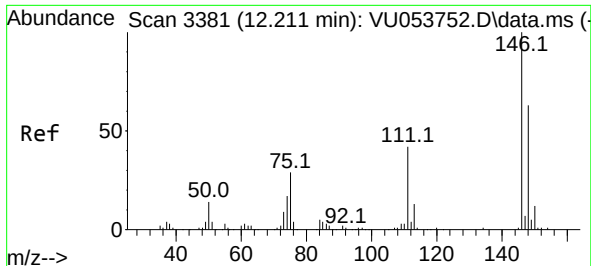
Tgt Ion:146 Resp: 110208
Ion Ratio Lower Upper
146 100
111 41.7 29.4 54.6
148 63.5 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.565 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053772.D
Acq: 18 Apr 2023 20:18

Tgt Ion:146 Resp: 108760
Ion Ratio Lower Upper
146 100
111 40.9 29.8 55.4
148 63.7 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.552 ug/L

RT: 12.208 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

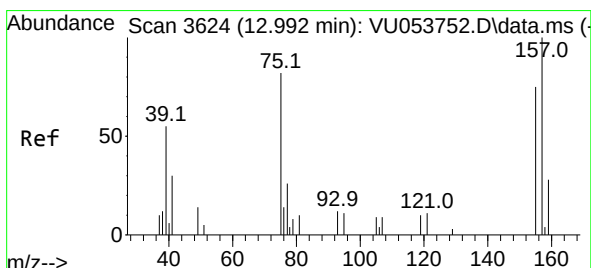
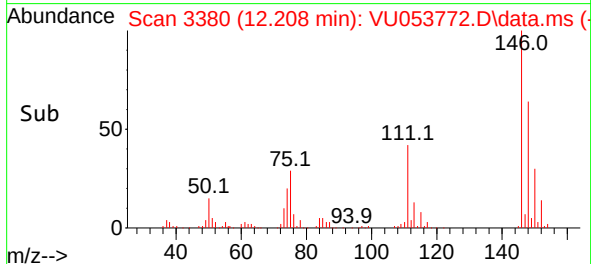
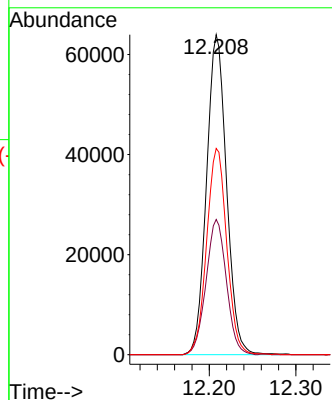
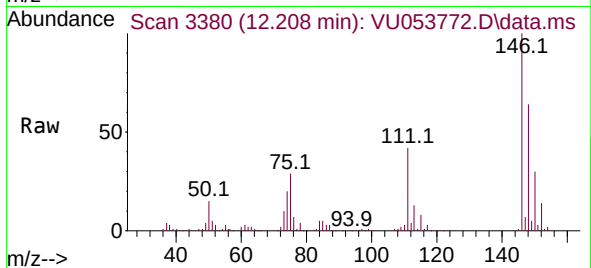
Tgt Ion:146 Resp: 102437

Ion Ratio Lower Upper

146 100

111 42.3 35.0 52.6

148 64.5 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.071 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

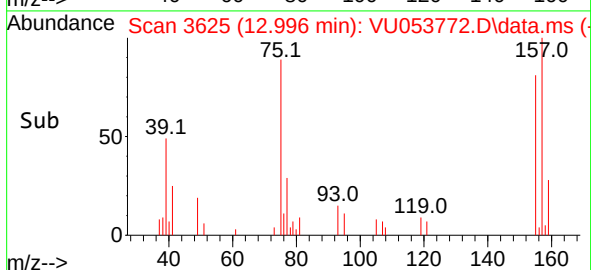
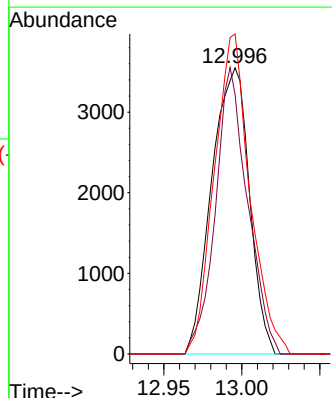
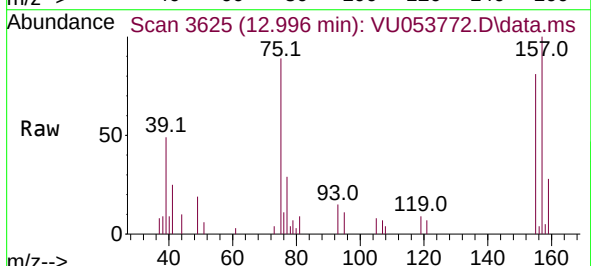
Tgt Ion: 75 Resp: 5938

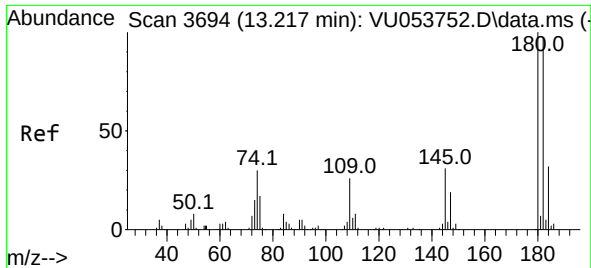
Ion Ratio Lower Upper

75 100

155 90.7 63.9 95.9

157 111.9 74.1 111.1#





#69

1,3,5-Trichlorobenzene

Concen: 5.798 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

Tgt Ion:180 Resp: 78777

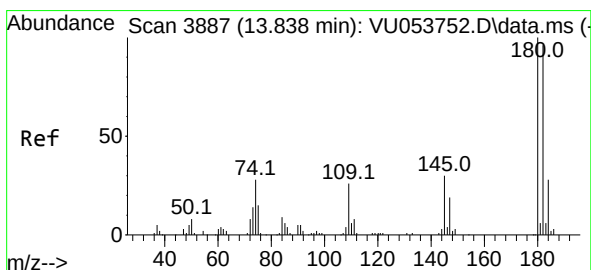
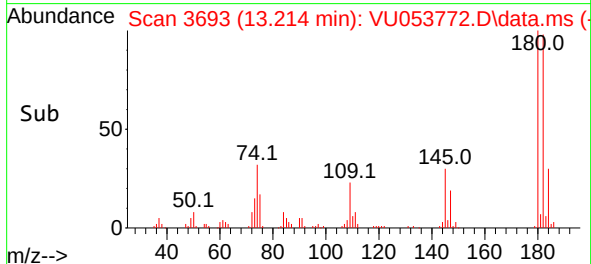
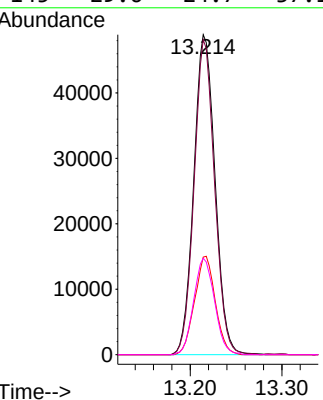
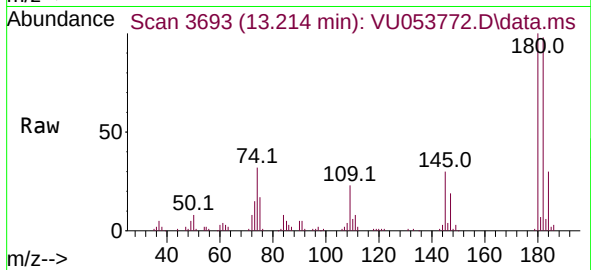
Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

184 30.0 24.1 36.1

145 29.6 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 6.065 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

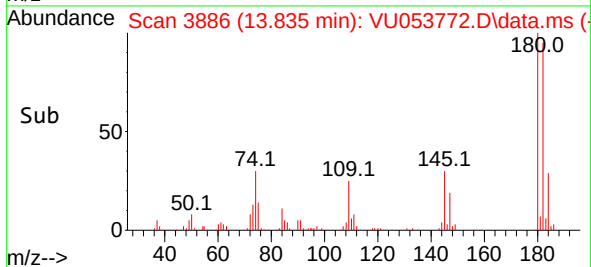
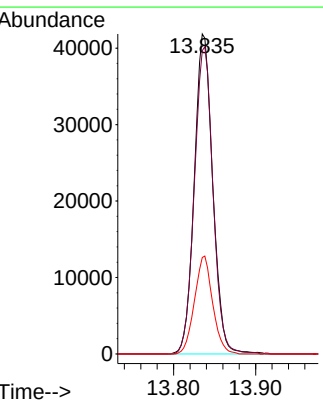
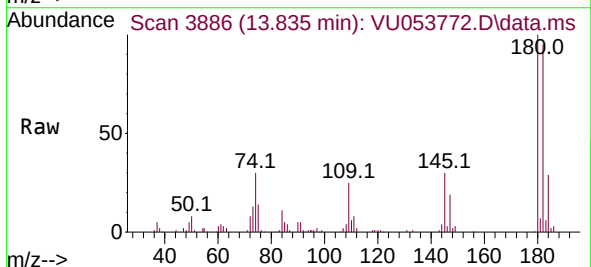
Tgt Ion:180 Resp: 65519

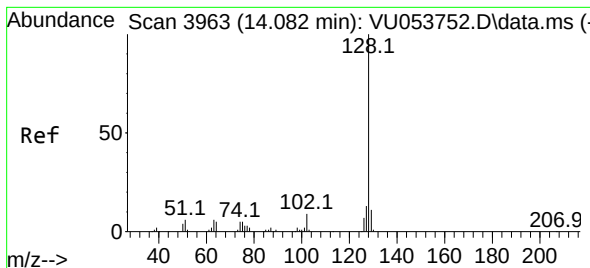
Ion Ratio Lower Upper

180 100

182 97.1 75.4 113.2

145 30.1 25.8 38.8





#71

Naphthalene

Concen: 5.316 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD005154

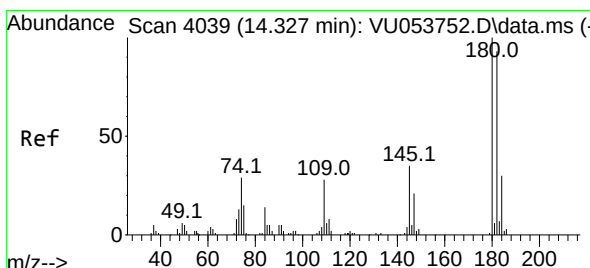
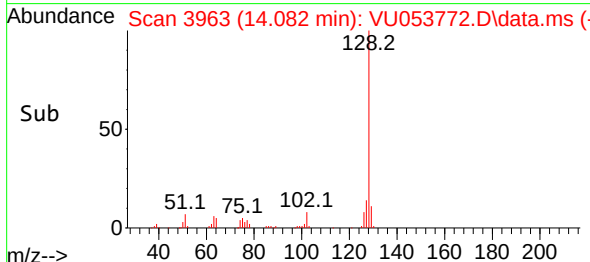
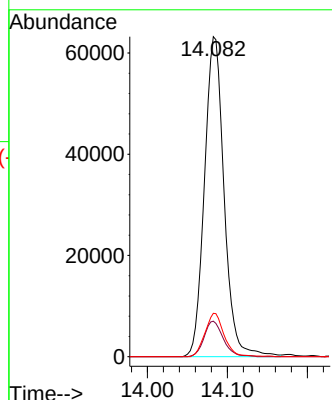
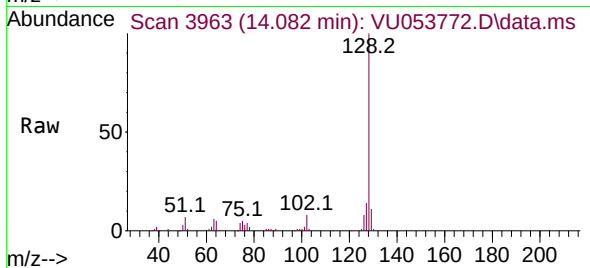
Tgt Ion:128 Resp: 108202

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

127 13.1 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 6.343 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU053772.D

Acq: 18 Apr 2023 20:18

Tgt Ion:180 Resp: 59811

Ion Ratio Lower Upper

180 100

182 94.0 74.8 112.2

145 32.0 26.3 39.5

