

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070723\
 Data File : VU054772.D
 Acq On : 07 Jul 2023 09:35
 Operator : MD/SY
 Sample : VSTD00138
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001038

Quant Time: Jul 08 07:40:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 08 07:39:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	226251	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	220279	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	109991	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	15941	0.934	ug/L	0.00
7) Chloroethane-d5	1.907	69	13828	0.968	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	6831	0.980	ug/L	0.00
20) 2-Butanone-d5	4.634	46	35131	9.055	ug/L	0.00
24) Chloroform-d	5.058	84	29065	0.955	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	15049	0.946	ug/L	0.00
32) Benzene-d6	5.724	84	52997	0.906	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	17327	0.934	ug/L	0.00
41) Toluene-d8	7.894	98	48970	0.899	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	6663	0.893	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	23025	8.053	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	14500	0.970	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	17753	0.926	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	17854	1.016	ug/L	95
3) Chloromethane	1.518	50	20691	1.054	ug/L	97
5) Vinyl chloride	1.602	62	19527	1.024	ug/L	100
6) Bromomethane	1.853	94	12358	1.066	ug/L	97
8) Chloroethane	1.930	64	11332	1.038	ug/L	98
9) Trichlorofluoromethane	2.132	101	25679	1.033	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	12383	0.997	ug/L	97
12) 1,1-Dichloroethene	2.573	96	12026	1.039	ug/L	94
13) Acetone	2.634	43	21634	10.677	ug/L	98
14) Carbon disulfide	2.788	76	39515	1.014	ug/L	99
15) Methyl Acetate	2.956	43	5112	1.020	ug/L	97
16) Methylene chloride	3.042	84	20525	1.198	ug/L	86
17) Methyl tert-butyl Ether	3.361	73	26516	0.971	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	12598	1.057	ug/L	96
19) 1,1-Dichloroethane	3.865	63	23585	1.021	ug/L	91
21) 2-Butanone	4.714	43	29297	9.595	ug/L	96
22) cis-1,2-Dichloroethene	4.666	96	12855	0.991	ug/L	88
23) Bromochloromethane	4.975	128	5812	1.007	ug/L #	90
25) Chloroform	5.087	83	23959	0.989	ug/L	92
27) 1,2-Dichloroethane	5.791	62	17075	1.091	ug/L	97
29) 1,1,1-Trichloroethane	5.316	97	20832	0.980	ug/L	97
30) Cyclohexane	5.383	56	17781	0.940	ug/L	98
31) Carbon tetrachloride	5.521	117	19419	1.018	ug/L	99
33) Benzene	5.772	78	49015	0.988	ug/L	100
34) Trichloroethene	6.541	95	14182	1.022	ug/L	95
35) Methylcyclohexane	6.759	83	18115	0.933	ug/L	98
37) 1,2-Dichloropropane	6.788	63	13217	1.016	ug/L #	96
38) Bromodichloromethane	7.103	83	16679	0.998	ug/L	98
39) cis-1,3-Dichloropropene	7.608	75	18405	0.945	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	67778	9.293	ug/L	98
42) Toluene	7.968	91	50080	0.953	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	16259	0.966	ug/L	99

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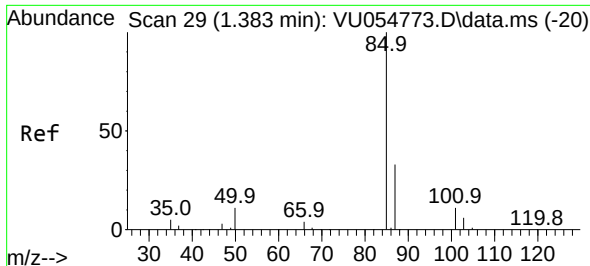
Instrument :
 MSVOA_U
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.399	97	9914	1.064	ug/L	82
47) Tetrachloroethene	8.550	164	10984	0.977	ug/L	97
48) 2-Hexanone	8.682	43	47777	9.097	ug/L	96
49) Dibromochloromethane	8.807	129	10710	0.987	ug/L	94
50) 1,2-Dibromoethane	8.923	107	9033	1.016	ug/L	98
51) Chlorobenzene	9.444	112	32757	0.973	ug/L	98
52) Ethylbenzene	9.569	91	52125	0.926	ug/L	99
53) m,p-Xylene	9.692	106	20123	0.936	ug/L	87
54) o-Xylene	10.097	106	17955	0.894	ug/L	90
55) Styrene	10.113	104	29081	0.857	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.778	83	10782	0.949	ug/L	81
59) Bromoform	10.286	173	6531	1.015	ug/L	100
60) Isopropylbenzene	10.483	105	47791	0.936	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	8852	1.104	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	38310	0.905	ug/L	97
63) 1,2,4-Trimethylbenzene	11.466	105	35361	0.874	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	25387	0.988	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	26316	1.028	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	23423	0.992	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	2187	1.121	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.219	180	18878	0.983	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	14633	0.948	ug/L	97
71) Naphthalene	14.087	128	21448	0.880	ug/L	99
72) 1,2,3-Trichlorobenzene	14.331	180	13002	0.942	ug/L	98

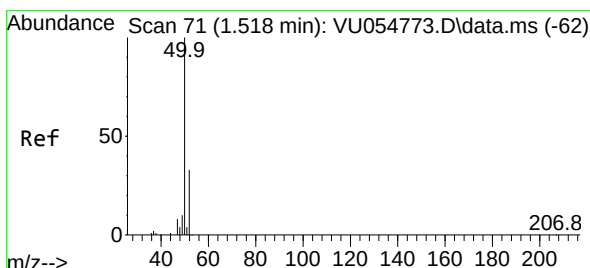
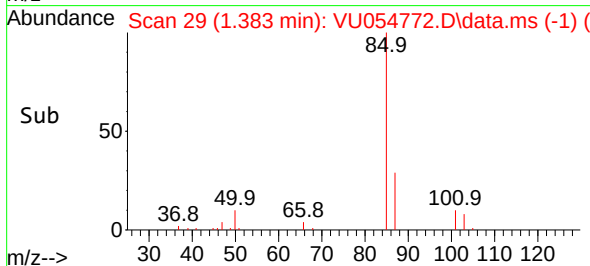
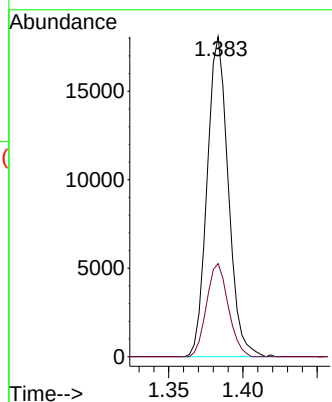
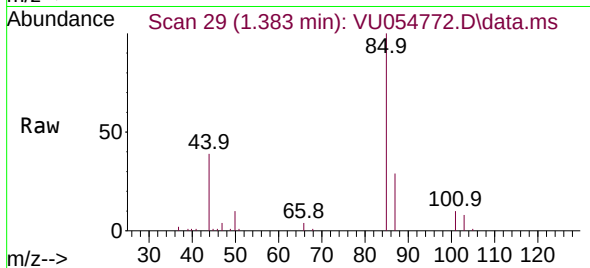
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 1.016 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

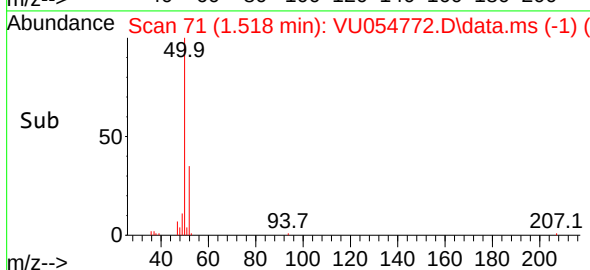
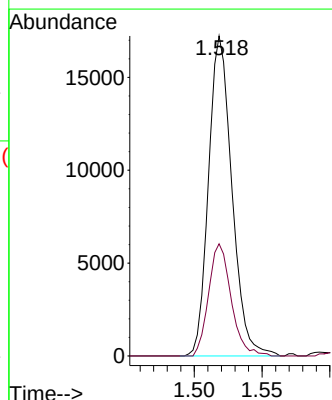
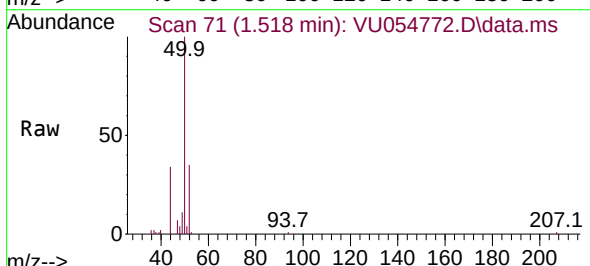
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

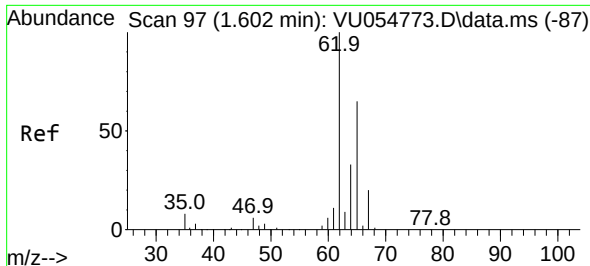
Tgt Ion: 85 Resp: 17854
Ion Ratio Lower Upper
85 100
87 29.9 26.2 39.2



#3
Chloromethane
Concen: 1.054 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 50 Resp: 20691
Ion Ratio Lower Upper
50 100
52 35.0 23.4 43.6

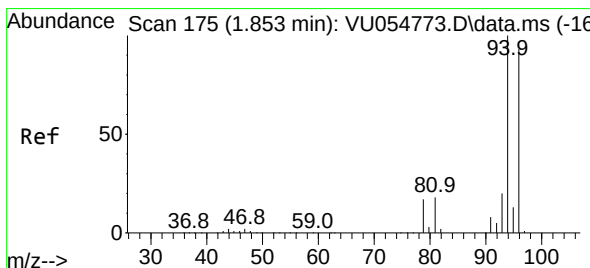
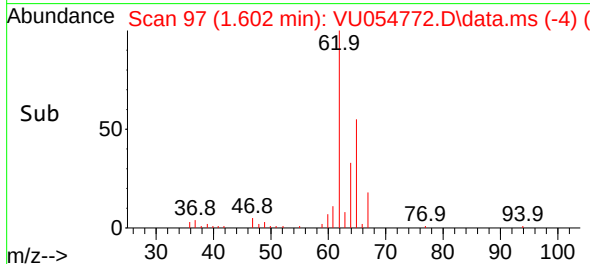
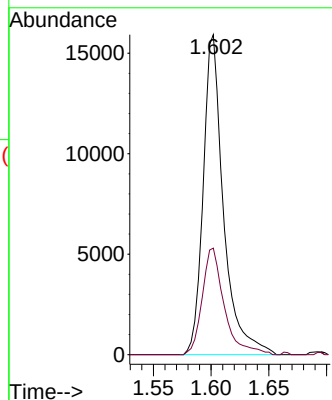
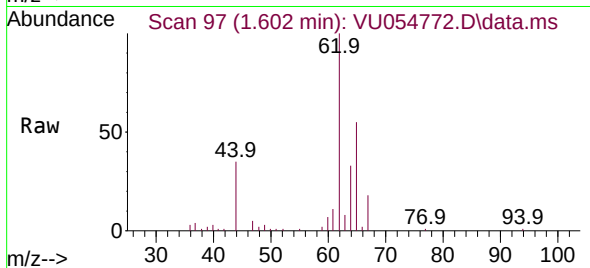




#5
 Vinyl chloride
 Concen: 1.024 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054772.D
 Acq: 07 Jul 2023 09:35

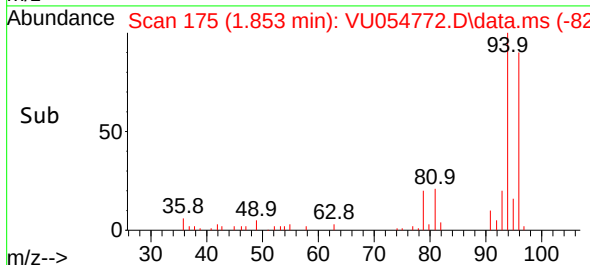
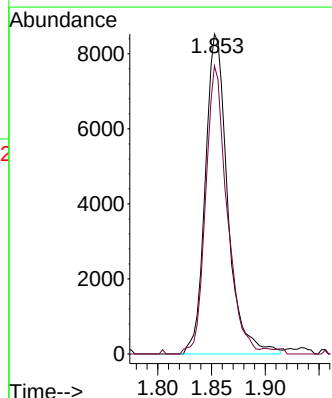
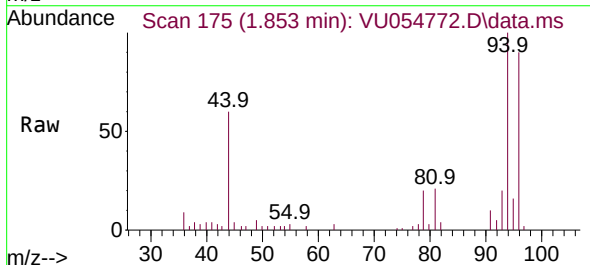
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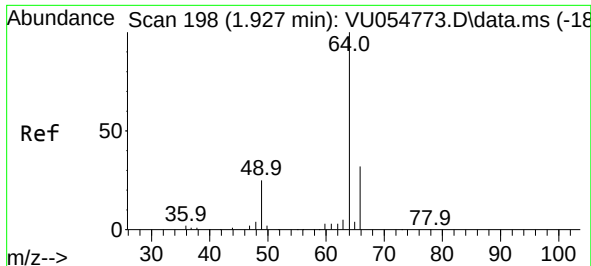
Tgt Ion: 62 Resp: 19527
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.2 43.0



#6
 Bromomethane
 Concen: 1.066 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU054772.D
 Acq: 07 Jul 2023 09:35

Tgt Ion: 94 Resp: 12358
 Ion Ratio Lower Upper
 94 100
 96 90.0 65.0 120.6





#8

Chloroethane

Concen: 1.038 ug/L

RT: 1.930 min Scan# 198

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

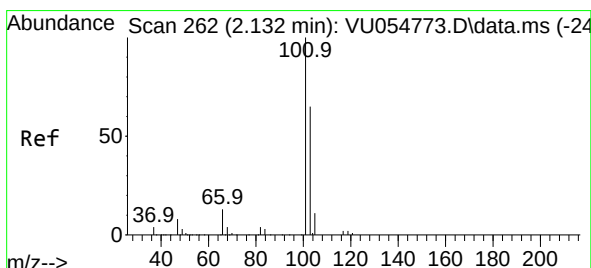
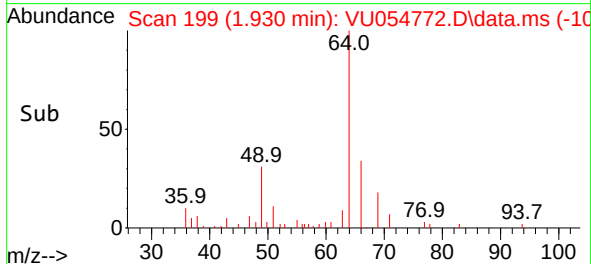
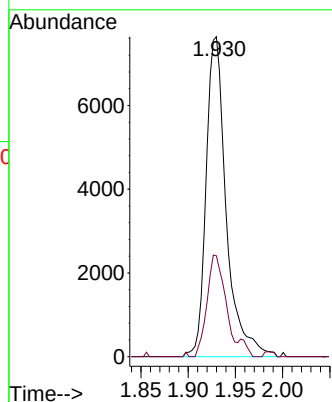
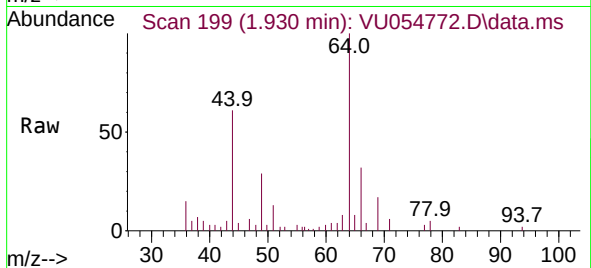
VSTD001038

Tgt Ion: 64 Resp: 11332

Ion Ratio Lower Upper

64 100

66 31.6 23.0 42.8



#9

Trichlorofluoromethane

Concen: 1.033 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU054772.D

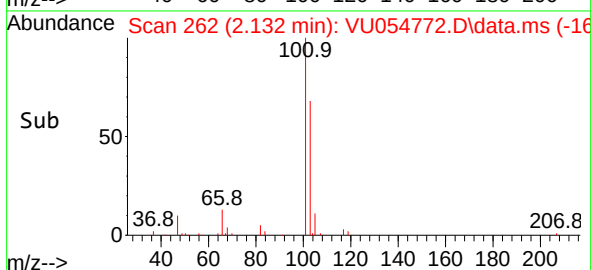
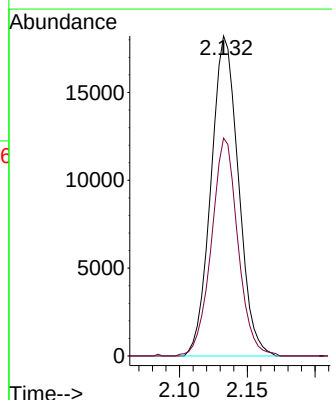
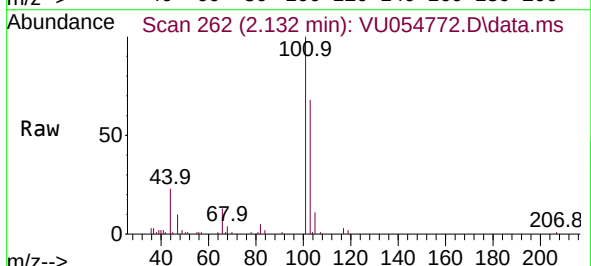
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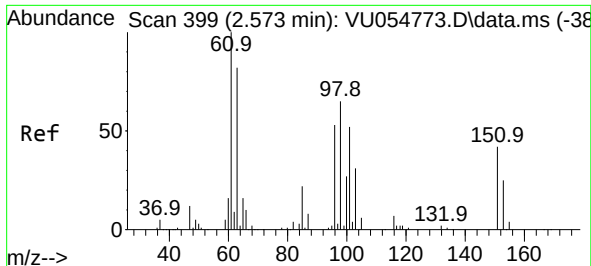
Tgt Ion:101 Resp: 25679

Ion Ratio Lower Upper

101 100

103 65.6 51.8 77.8

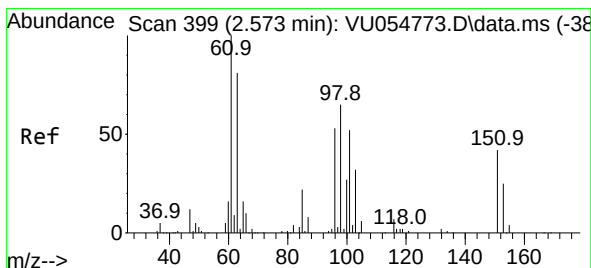
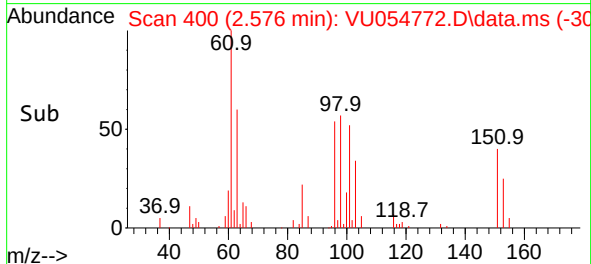
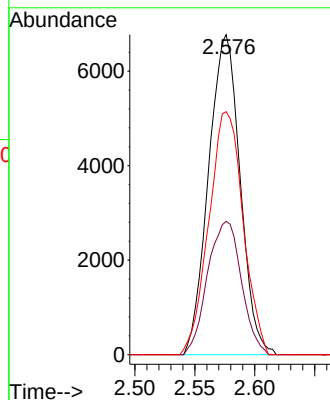
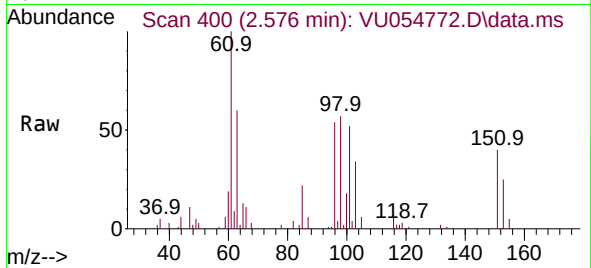




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.997 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

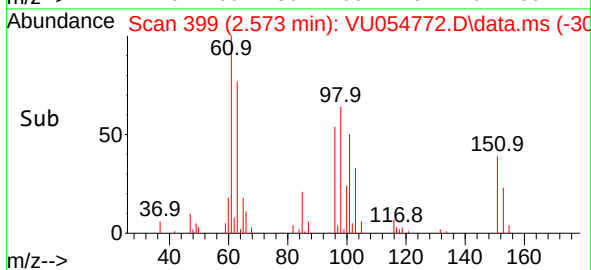
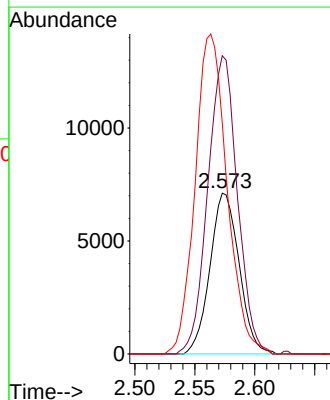
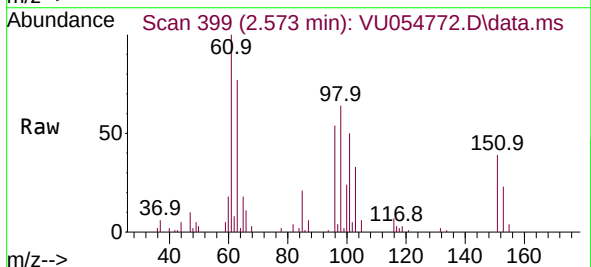
Instrument :
MSVOA_U
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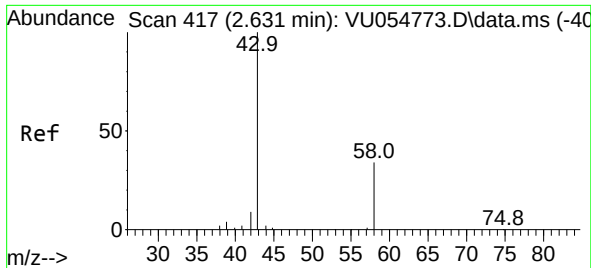
Tgt Ion:101 Resp: 12383
Ion Ratio Lower Upper
101 100
85 44.6 34.5 51.7
151 82.4 63.5 95.3



#12
1,1-Dichloroethene
Concen: 1.039 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 96 Resp: 12026
Ion Ratio Lower Upper
96 100
61 185.4 131.8 244.8
63 143.5 109.8 204.0





#13

Acetone

Concen: 10.677 ug/L

RT: 2.634 min Scan# 417

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

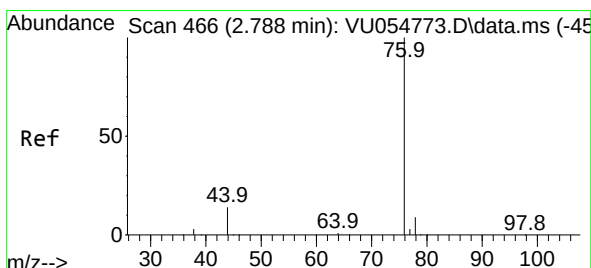
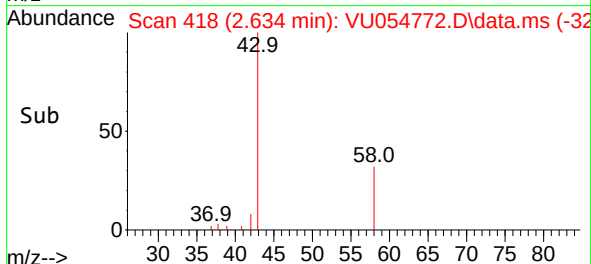
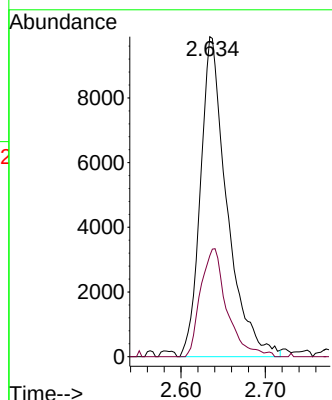
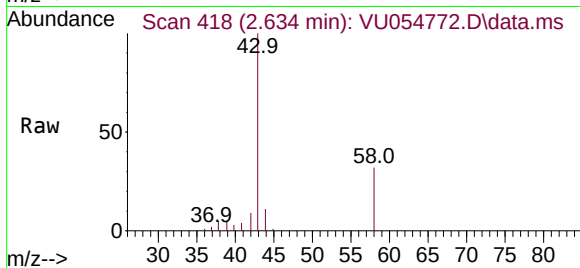
VSTD001038

Tgt Ion: 43 Resp: 21634

Ion Ratio Lower Upper

43 100

58 33.5 0.0 65.0



#14

Carbon disulfide

Concen: 1.014 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054772.D

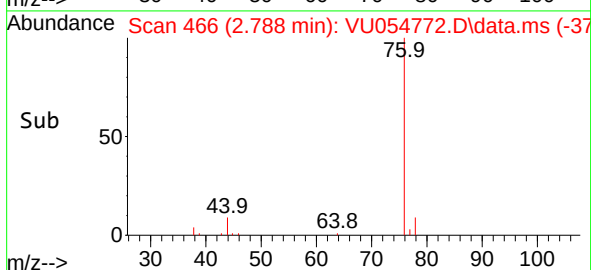
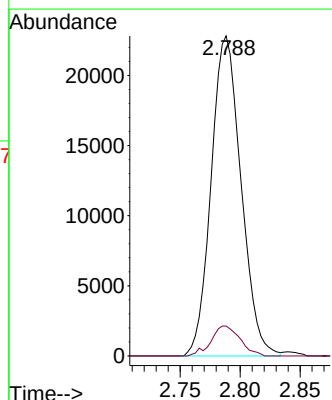
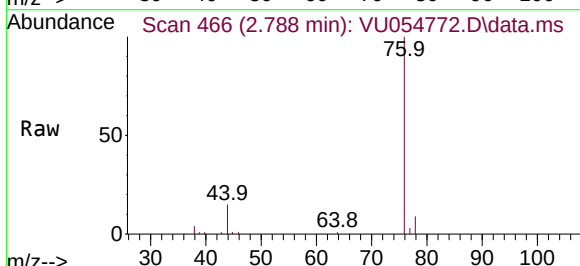
Acq: 07 Jul 2023 09:35

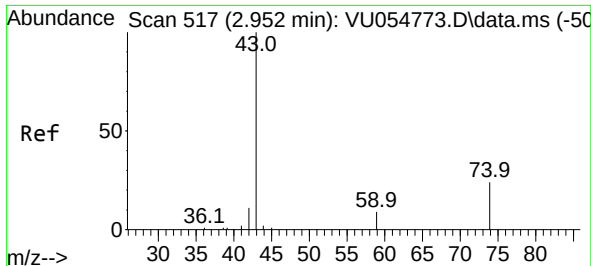
Tgt Ion: 76 Resp: 39515

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

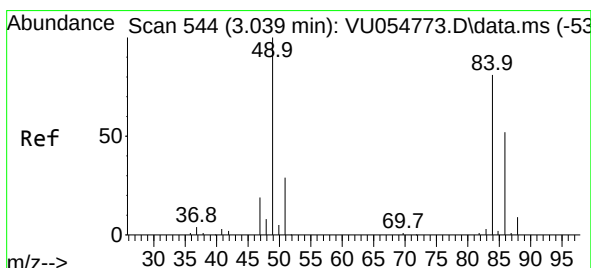
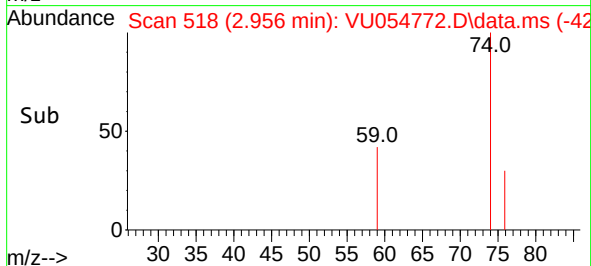
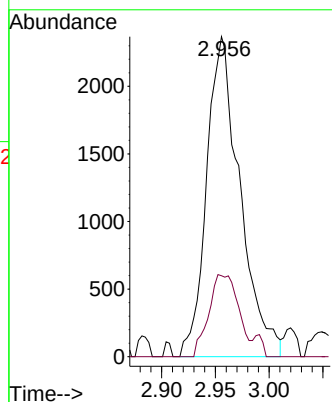
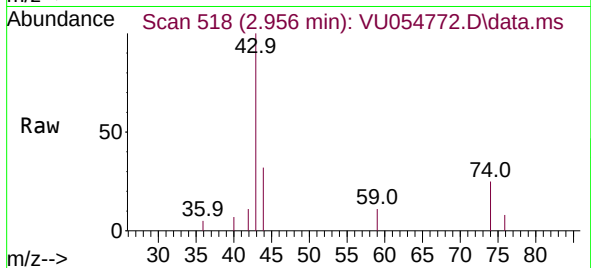




#15
Methyl Acetate
Concen: 1.020 ug/L
RT: 2.956 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

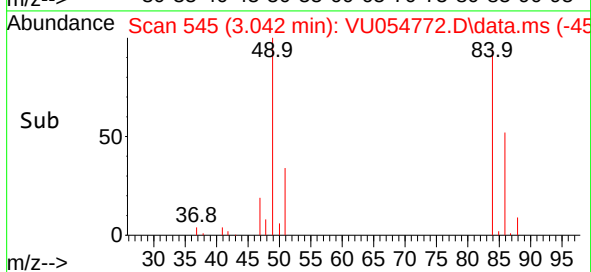
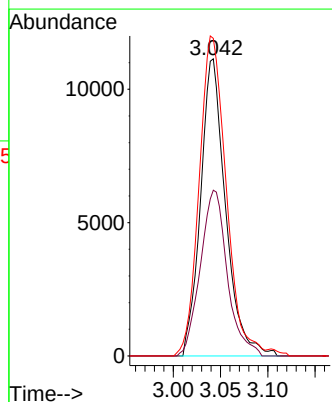
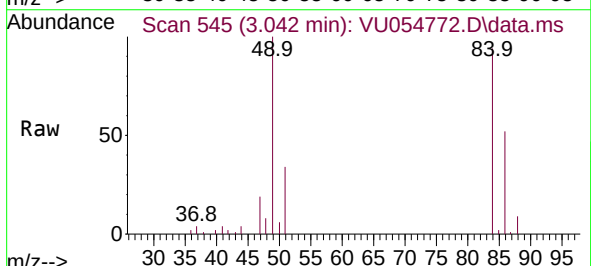
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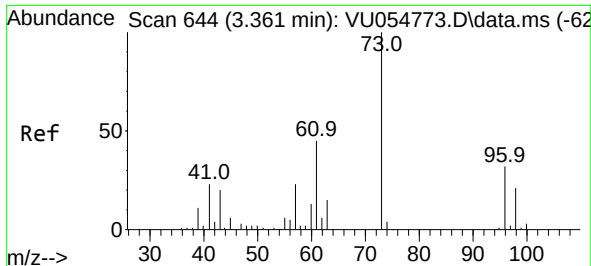
Tgt Ion: 43 Resp: 5112
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8



#16
Methylene chloride
Concen: 1.198 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 84 Resp: 20525
Ion Ratio Lower Upper
84 100
86 55.8 45.3 84.1
49 106.9 86.7 160.9

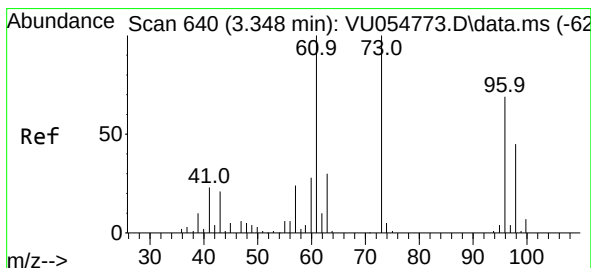
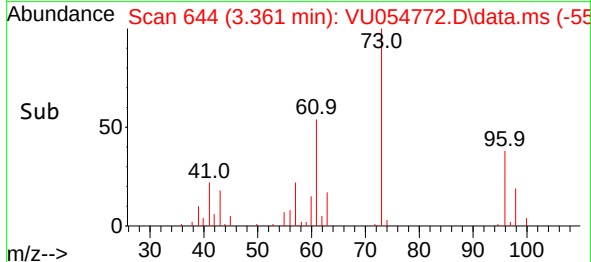
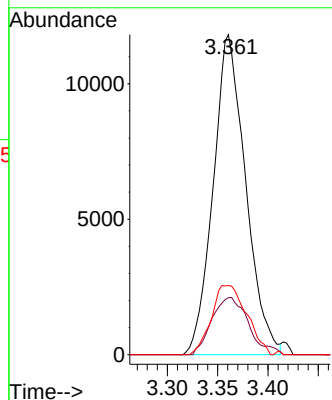
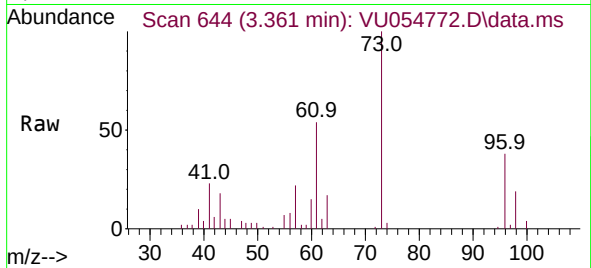




#17
Methyl tert-butyl Ether
Concen: 0.971 ug/L
RT: 3.361 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

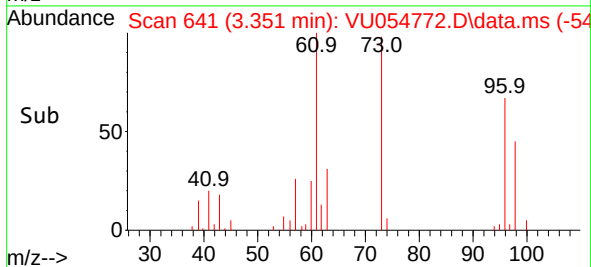
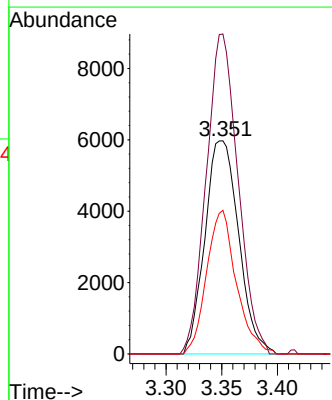
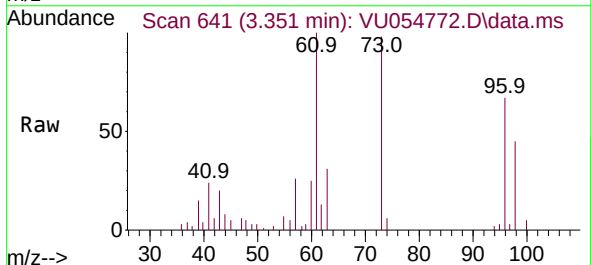
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

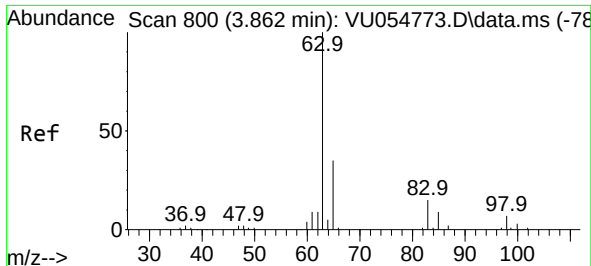
Tgt Ion: 73	Resp: 26516
Ion Ratio	Lower Upper
73 100	
43 20.2	16.9 25.3
57 23.5	18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 1.057 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 96	Resp: 12598
Ion Ratio	Lower Upper
96 100	
61 150.1	101.6 188.6
98 67.4	45.6 84.6





#19

1,1-Dichloroethane

Concen: 1.021 ug/L

RT: 3.865 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

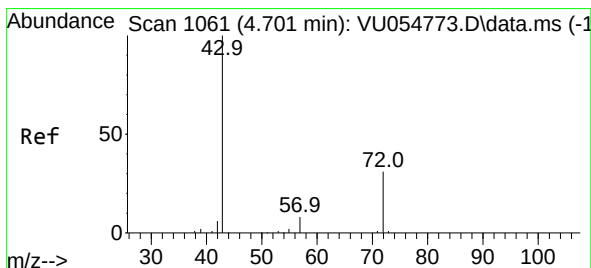
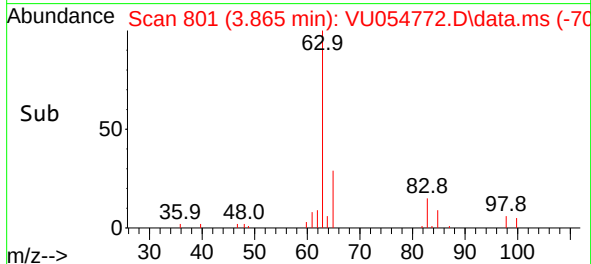
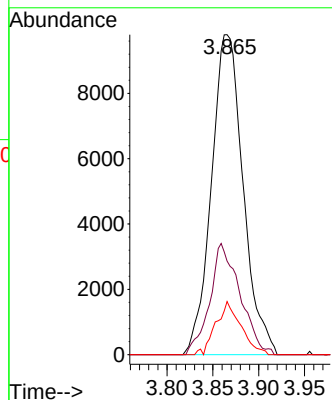
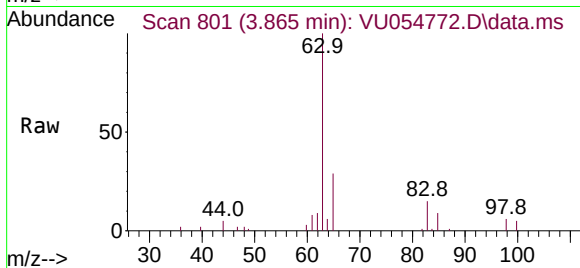
Tgt Ion: 63 Resp: 23585

Ion Ratio Lower Upper

63 100

65 27.7 24.2 45.0

83 15.7 10.4 19.2



#21

2-Butanone

Concen: 9.595 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.013 min

Lab File: VU054772.D

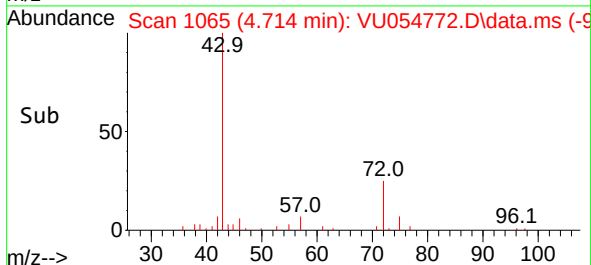
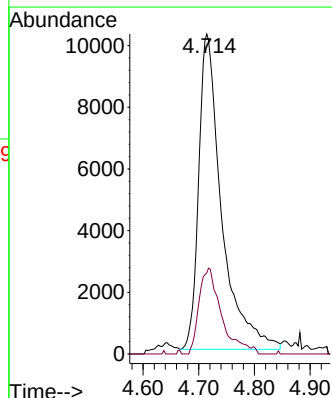
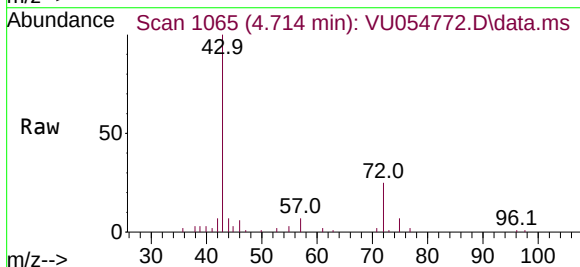
Acq: 07 Jul 2023 09:35

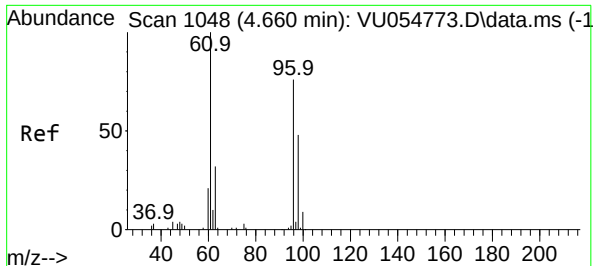
Tgt Ion: 43 Resp: 29297

Ion Ratio Lower Upper

43 100

72 26.7 14.4 43.4

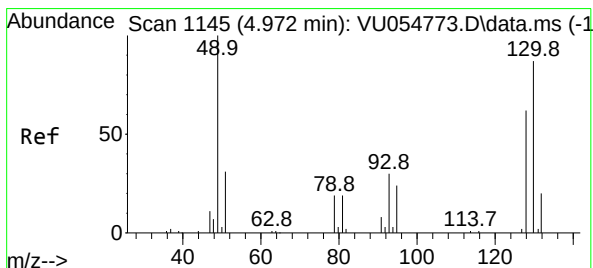
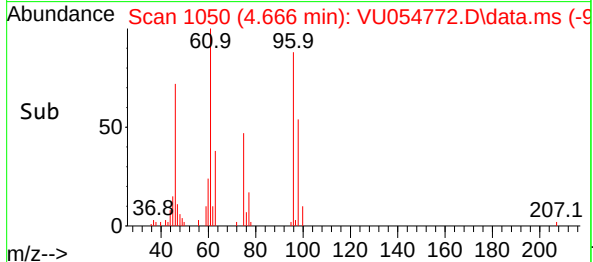
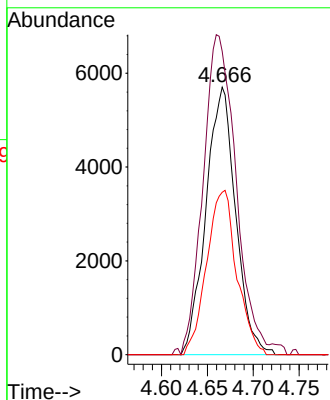
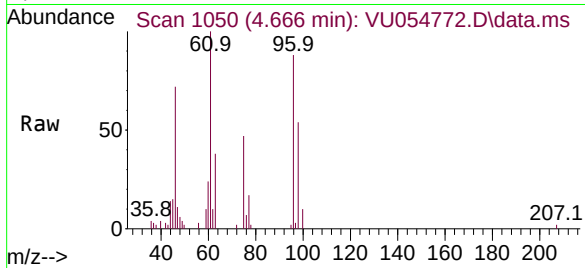




#22
 cis-1,2-Dichloroethene
 Concen: 0.991 ug/L
 RT: 4.666 min Scan# 1048
 Delta R.T. 0.006 min
 Lab File: VU054772.D
 Acq: 07 Jul 2023 09:35

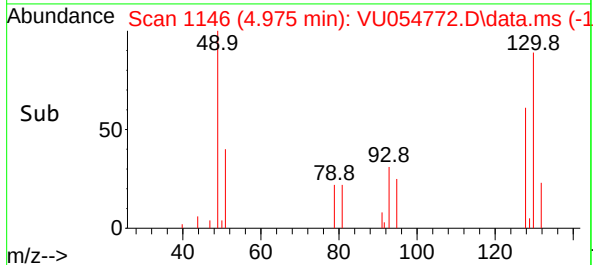
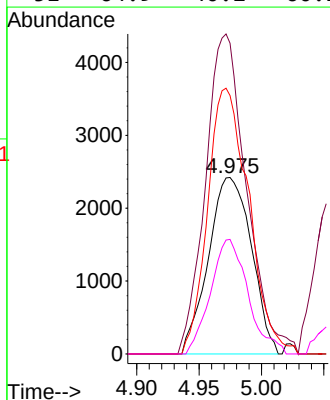
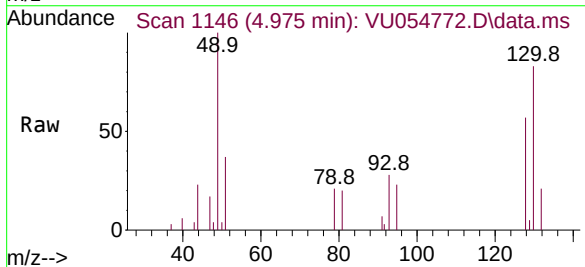
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001038

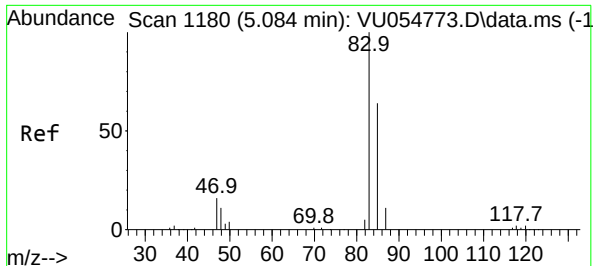
Tgt Ion: 96 Resp: 12855
 Ion Ratio Lower Upper
 96 100
 61 113.4 93.0 172.8
 98 60.7 44.0 81.8



#23
 Bromochloromethane
 Concen: 1.007 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.003 min
 Lab File: VU054772.D
 Acq: 07 Jul 2023 09:35

Tgt Ion: 128 Resp: 5812
 Ion Ratio Lower Upper
 128 100
 49 176.1 113.5 210.7
 130 146.4 98.0 182.0
 51 64.9 40.2 60.2#





#25

Chloroform

Concen: 0.989 ug/L

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

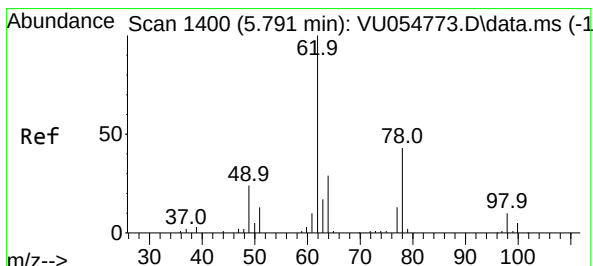
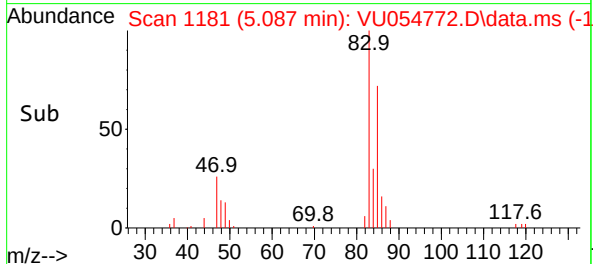
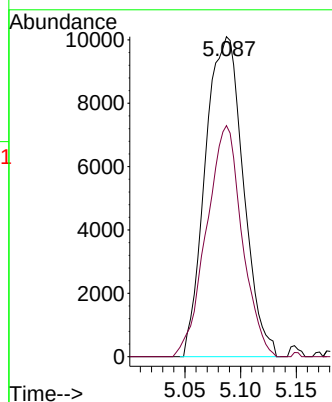
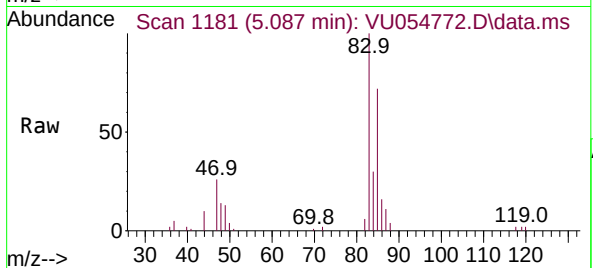
VSTD001038

Tgt Ion: 83 Resp: 23959

Ion Ratio Lower Upper

83 100

85 72.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 1.091 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054772.D

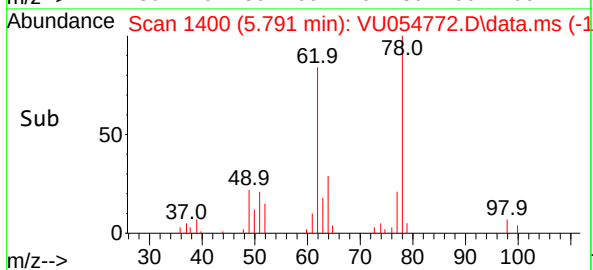
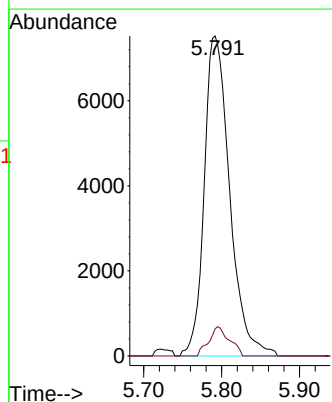
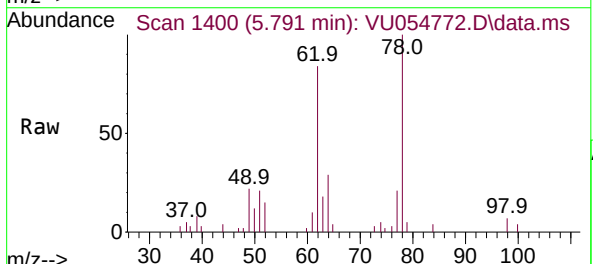
Acq: 07 Jul 2023 09:35

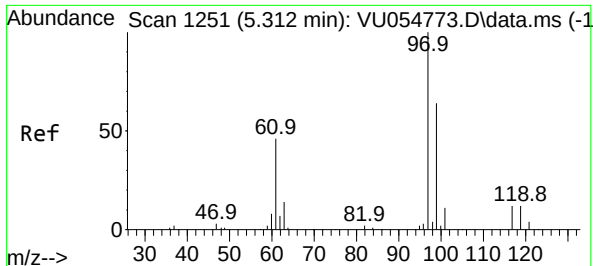
Tgt Ion: 62 Resp: 17075

Ion Ratio Lower Upper

62 100

98 8.4 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 0.980 ug/L

RT: 5.316 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

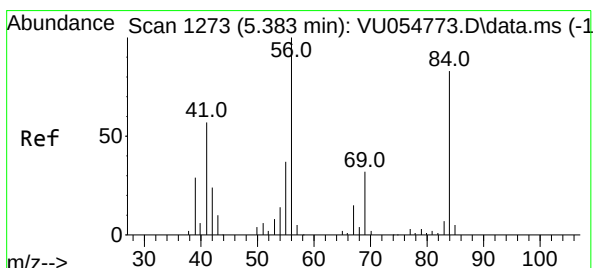
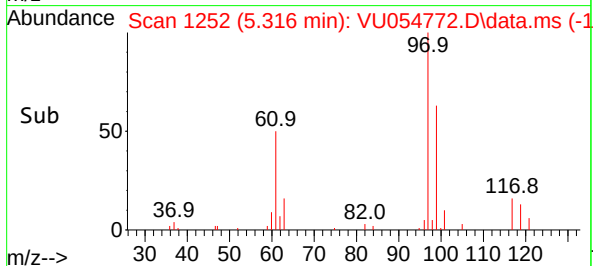
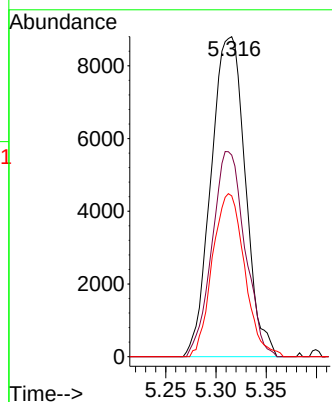
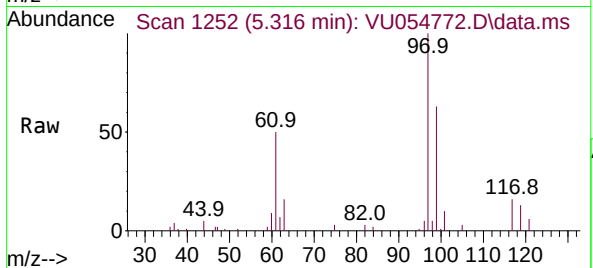
Tgt Ion: 97 Resp: 20832

Ion Ratio Lower Upper

97 100

99 61.7 51.7 77.5

61 48.0 37.0 55.4



#30

Cyclohexane

Concen: 0.940 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

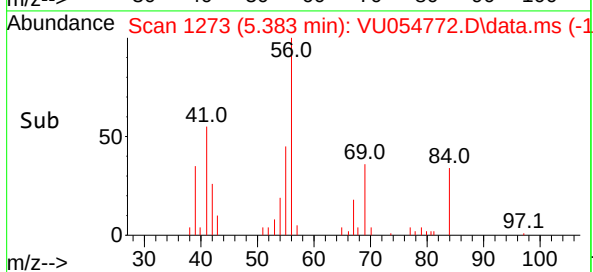
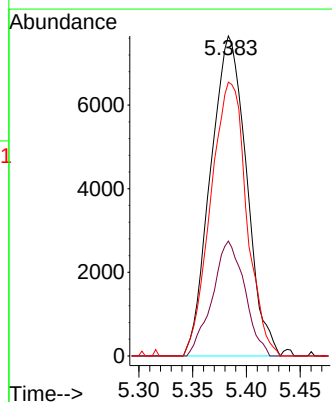
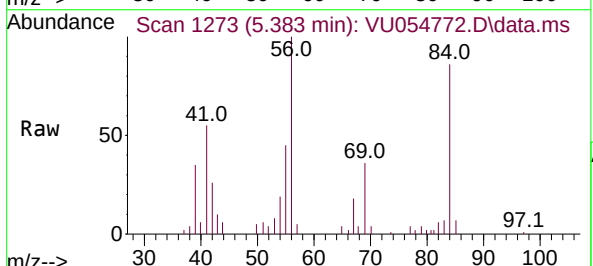
Tgt Ion: 56 Resp: 17781

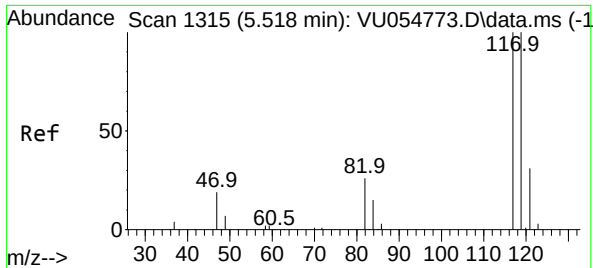
Ion Ratio Lower Upper

56 100

69 32.3 25.0 37.4

84 85.4 66.7 100.1

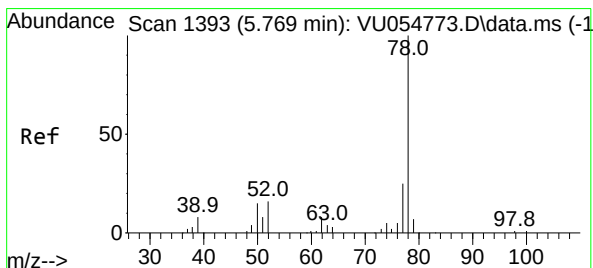
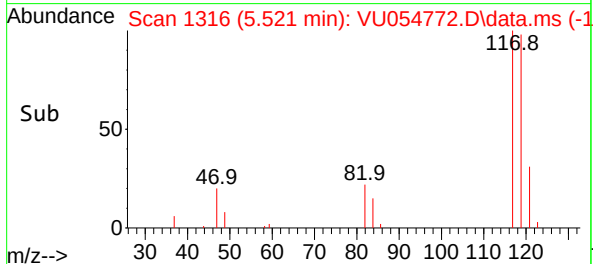
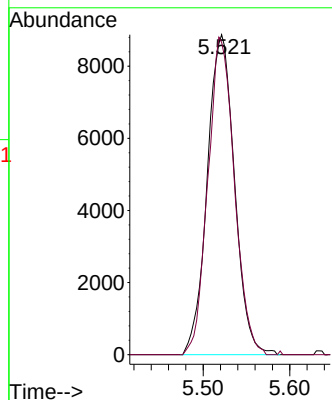
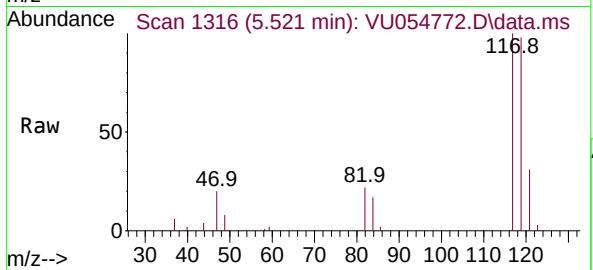




#31
Carbon tetrachloride
Concen: 1.018 ug/L
RT: 5.521 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

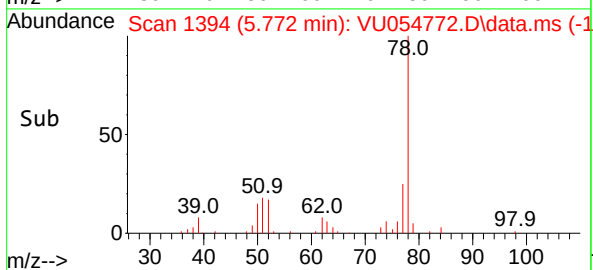
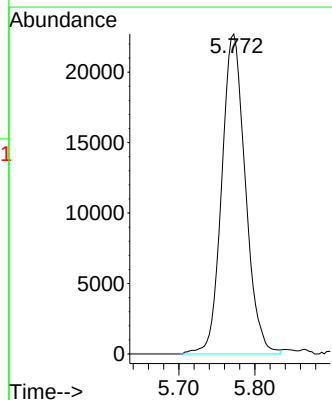
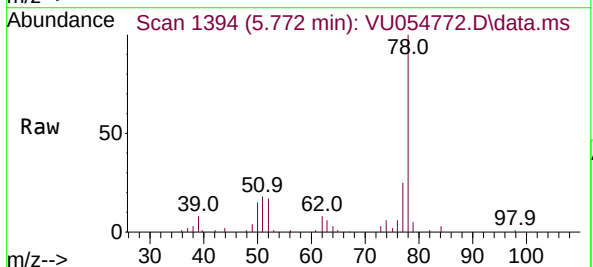
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

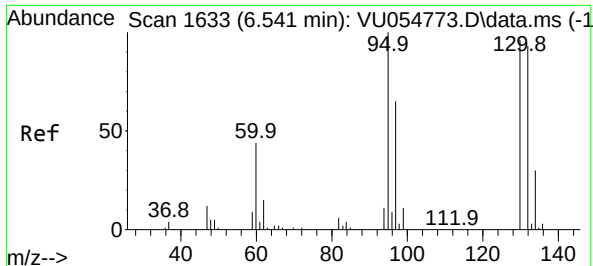
Tgt Ion:117 Resp: 19419
Ion Ratio Lower Upper
117 100
119 96.2 77.5 116.3



#33
Benzene
Concen: 0.988 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 78 Resp: 49015





#34

Trichloroethene

Concen: 1.022 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

Tgt Ion: 95 Resp: 14182

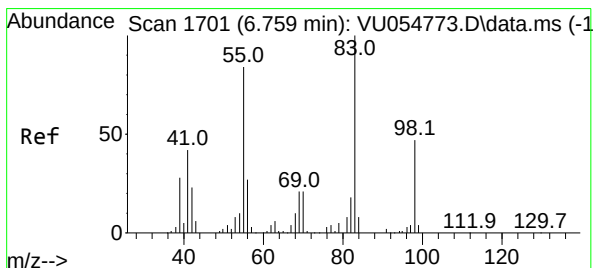
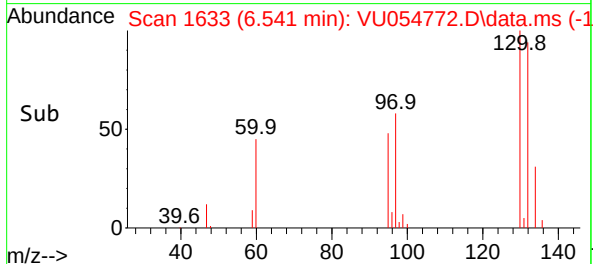
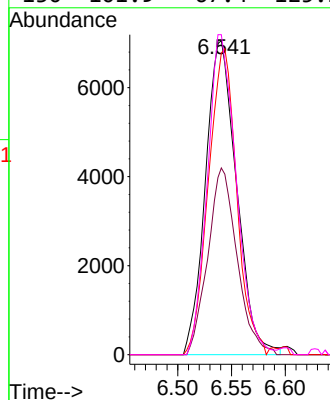
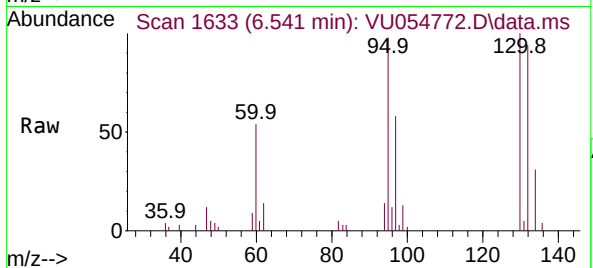
Ion Ratio Lower Upper

95 100

97 59.5 45.5 84.5

132 96.0 65.4 121.4

130 101.9 67.4 125.2



#35

Methylcyclohexane

Concen: 0.933 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

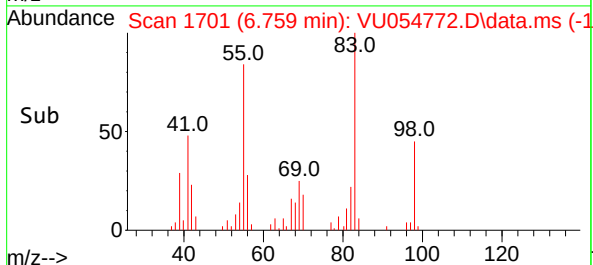
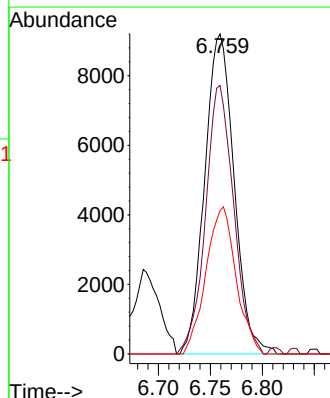
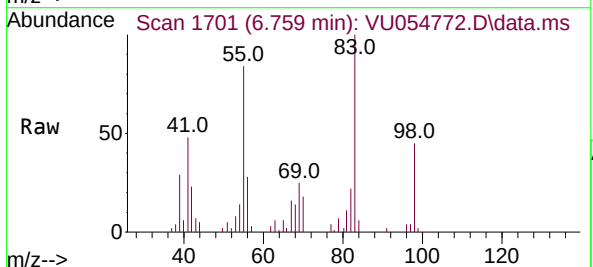
Tgt Ion: 83 Resp: 18115

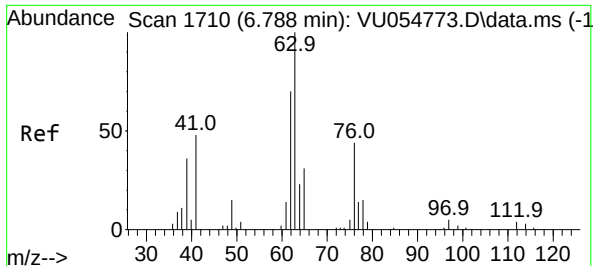
Ion Ratio Lower Upper

83 100

55 80.3 65.8 98.6

98 47.0 36.6 54.8





#37

1,2-Dichloropropane

Concen: 1.016 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

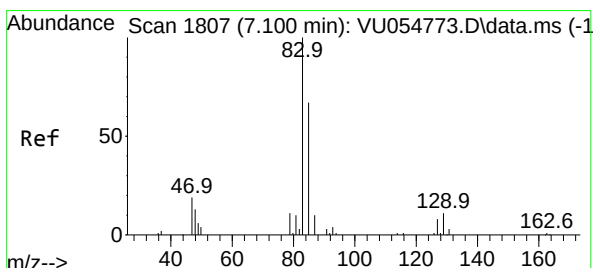
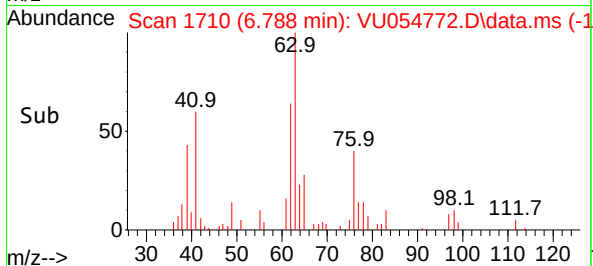
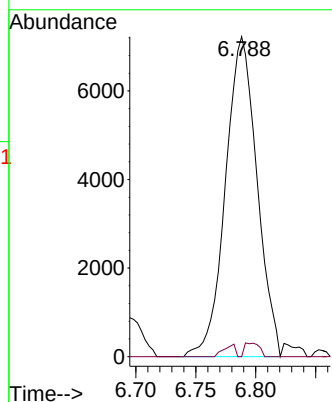
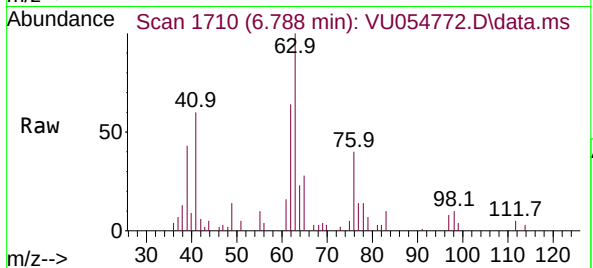
VSTD001038

Tgt Ion: 63 Resp: 13217

Ion Ratio Lower Upper

63 100

112 2.0 2.6 4.0#



#38

Bromodichloromethane

Concen: 0.998 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

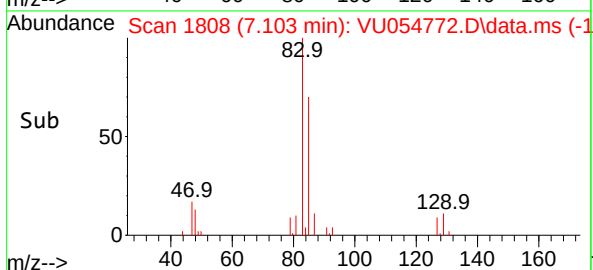
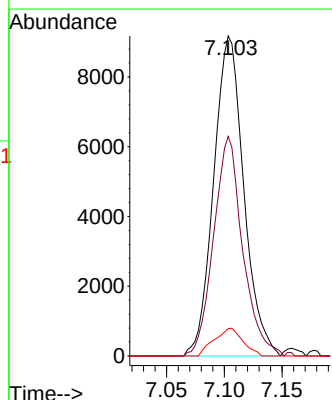
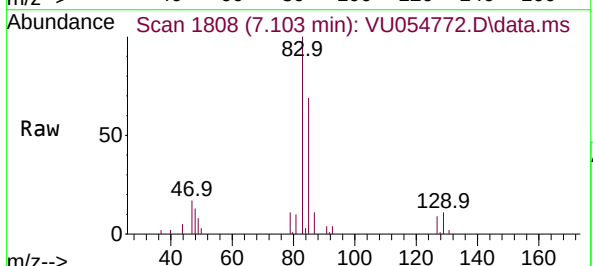
Tgt Ion: 83 Resp: 16679

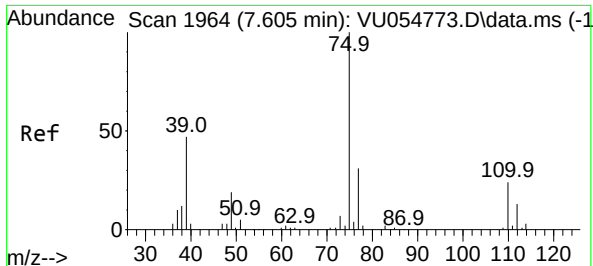
Ion Ratio Lower Upper

83 100

85 68.6 46.7 86.7

127 8.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.945 ug/L

RT: 7.608 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

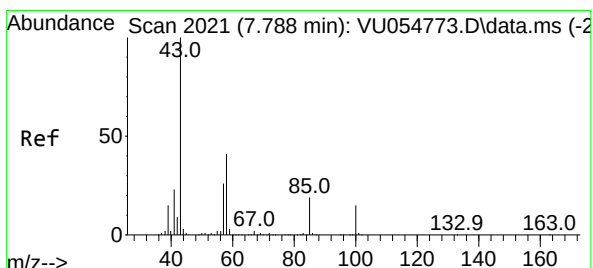
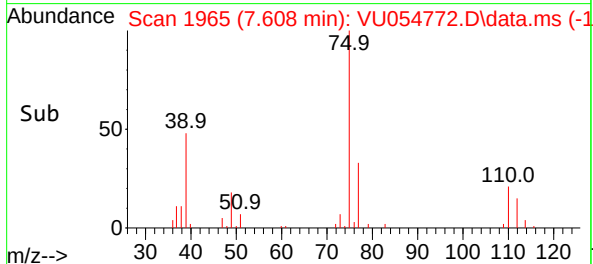
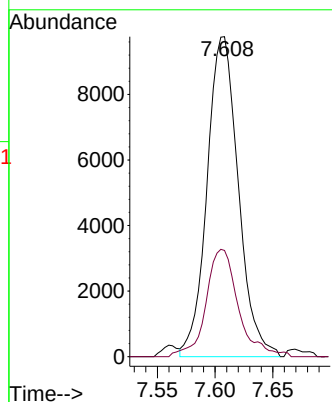
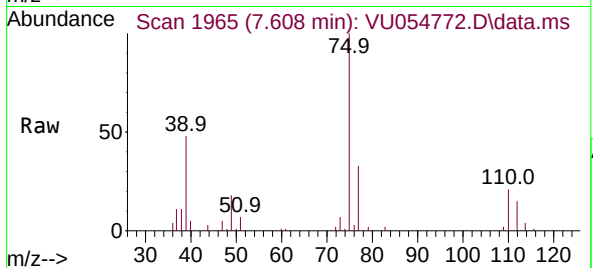
VSTD001038

Tgt Ion: 75 Resp: 18405

Ion Ratio Lower Upper

75 100

77 33.2 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 9.293 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

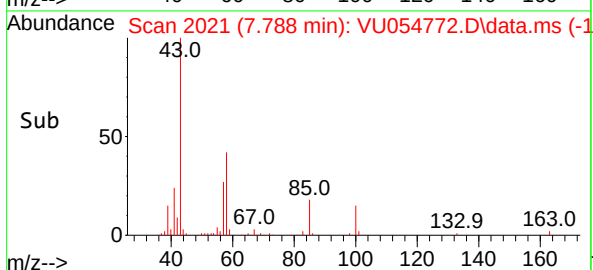
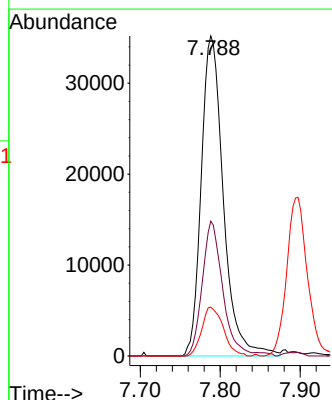
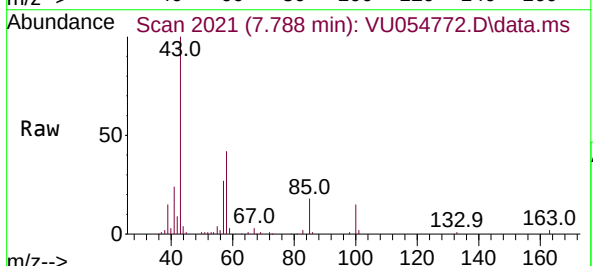
Tgt Ion: 43 Resp: 67778

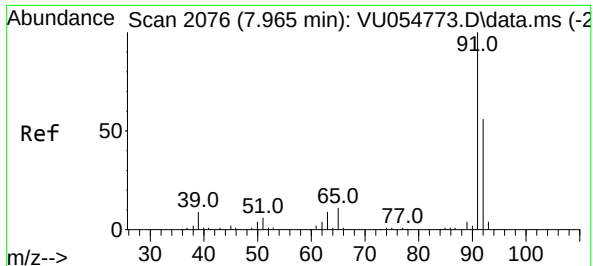
Ion Ratio Lower Upper

43 100

58 39.3 32.6 48.8

100 14.8 12.5 18.7





#42

Toluene

Concen: 0.953 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

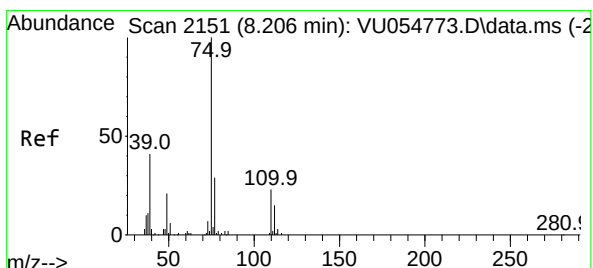
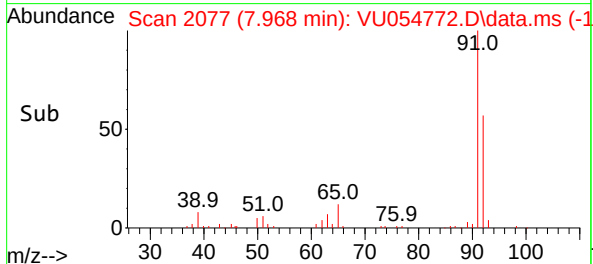
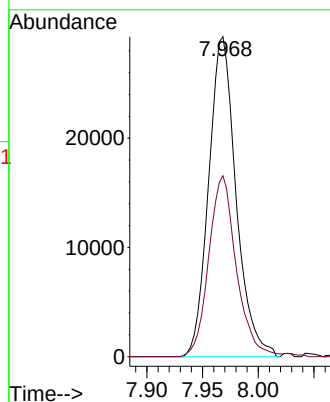
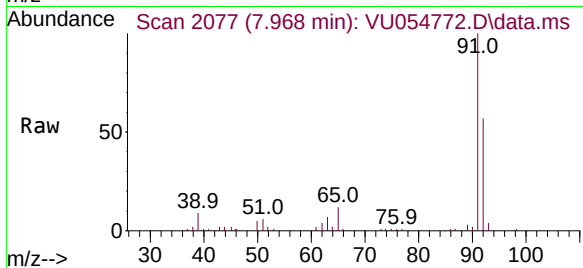
VSTD001038

Tgt Ion: 91 Resp: 50080

Ion Ratio Lower Upper

91 100

92 56.5 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 0.966 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054772.D

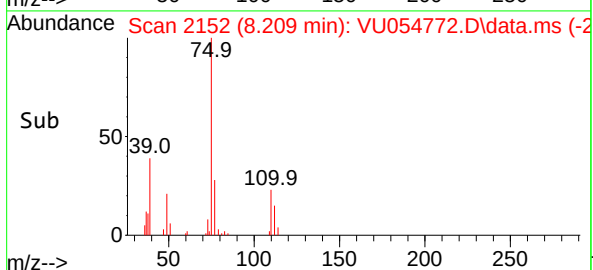
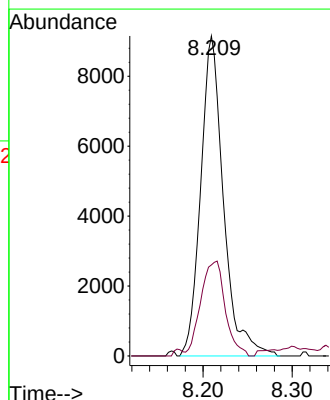
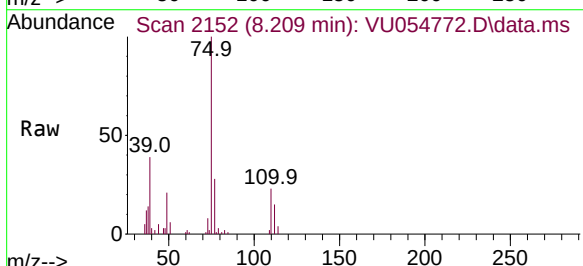
Acq: 07 Jul 2023 09:35

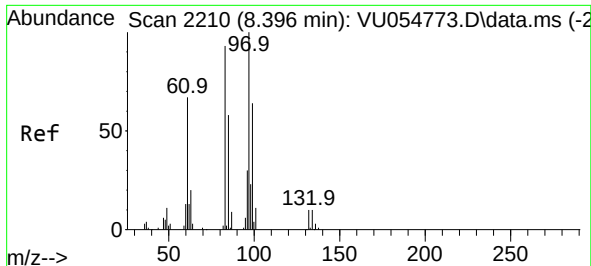
Tgt Ion: 75 Resp: 16259

Ion Ratio Lower Upper

75 100

77 28.4 20.2 37.6

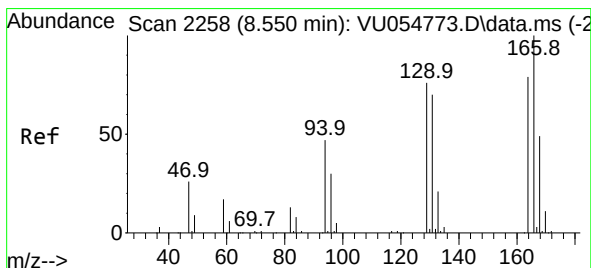
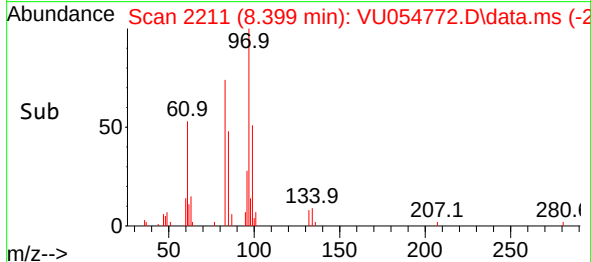
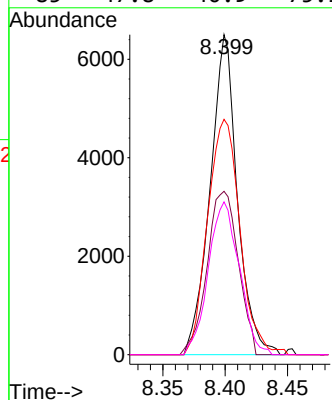
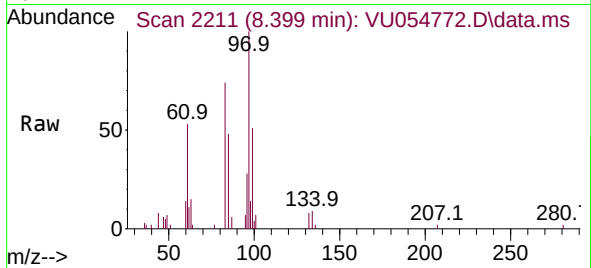




#45
1,1,2-Trichloroethane
Concen: 1.064 ug/L
RT: 8.399 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

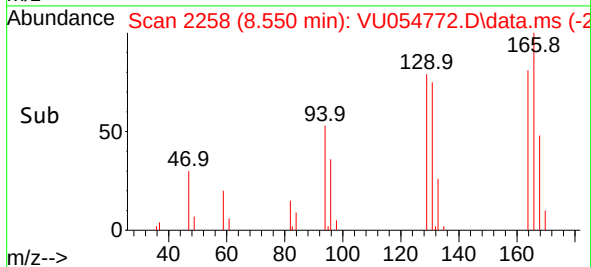
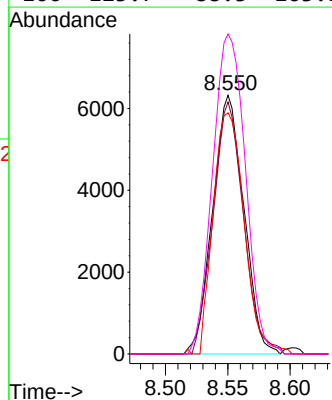
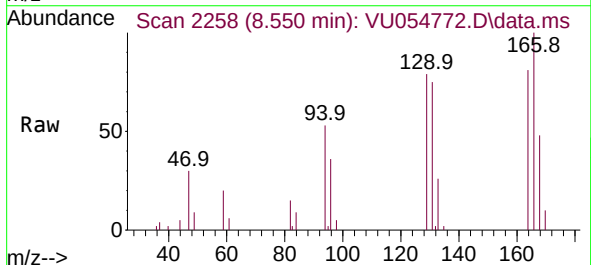
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

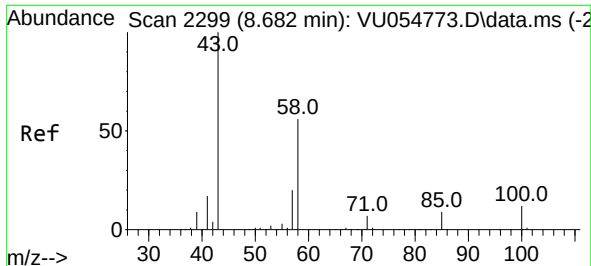
Tgt Ion: 97	Resp:	9914	
Ion	Ratio	Lower	Upper
97	100		
99	51.0	44.7	83.1
83	73.5	65.2	121.0
85	47.8	40.9	75.9



#47
Tetrachloroethene
Concen: 0.977 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt	Ion:164	Resp:	10984
Ion	Ratio	Lower	Upper
164	100		
129	97.4	66.6	123.8
131	93.2	61.5	114.3
166	123.7	88.3	163.9

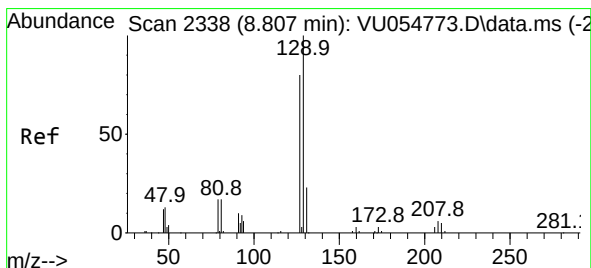
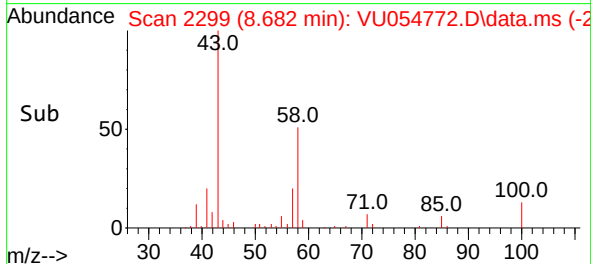
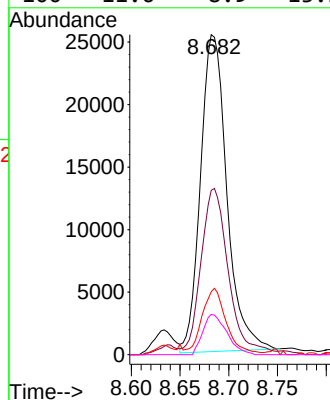
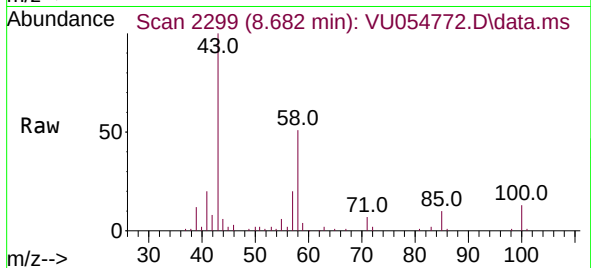




#48
2-Hexanone
Concen: 9.097 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

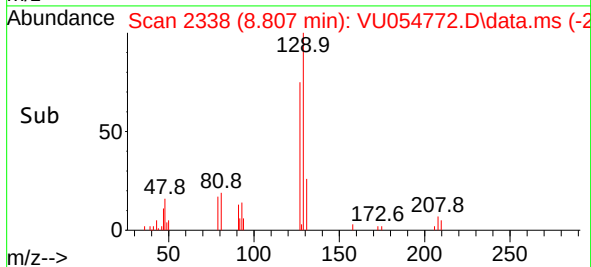
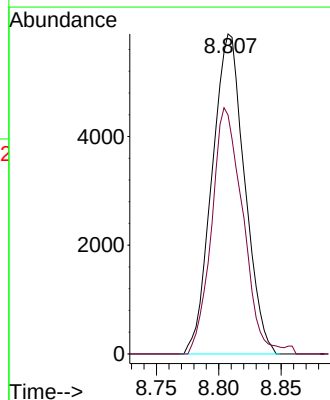
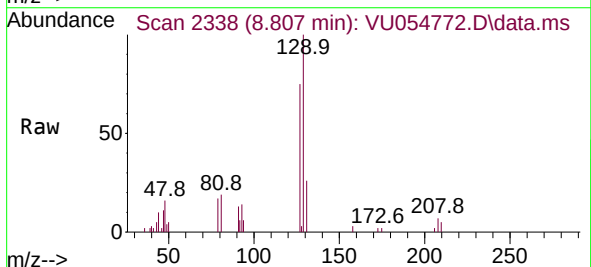
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

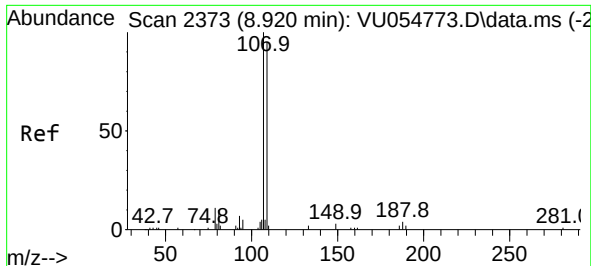
Tgt Ion: 43	Resp: 47777
Ion Ratio	Lower Upper
43 100	
58 52.4	45.2 67.8
57 19.3	15.7 23.5
100 11.6	8.9 13.3



#49
Dibromochloromethane
Concen: 0.987 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion:129	Resp:	10710	
Ion	Ratio	Lower	Upper
129	100		
127	74.7	55.6	103.4





#50

1,2-Dibromoethane

Concen: 1.016 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

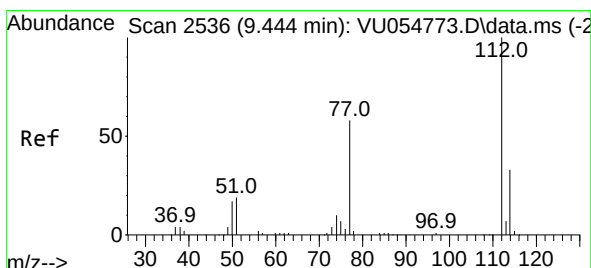
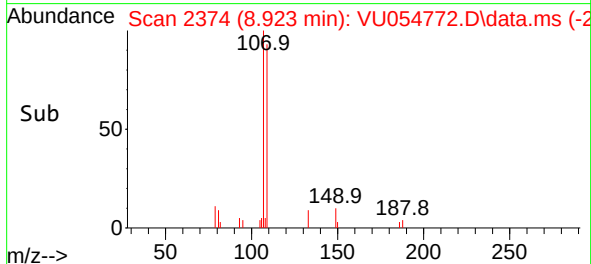
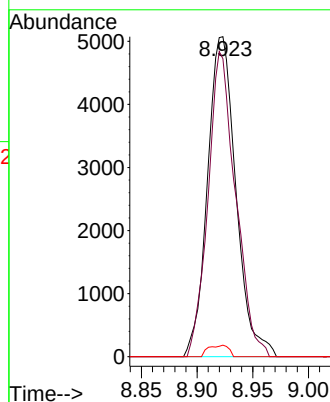
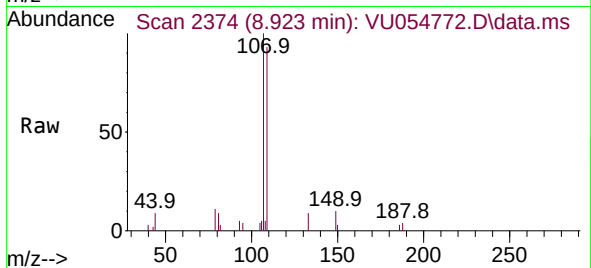
Tgt Ion:107 Resp: 9033

Ion Ratio Lower Upper

107 100

109 93.1 66.5 123.5

188 3.6 3.3 4.9



#51

Chlorobenzene

Concen: 0.973 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

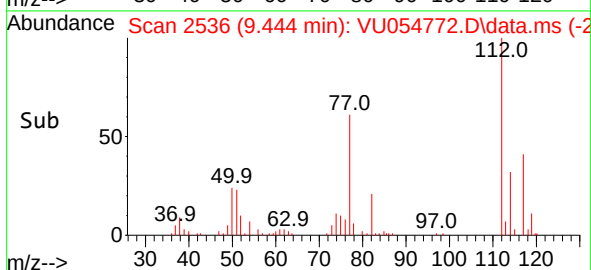
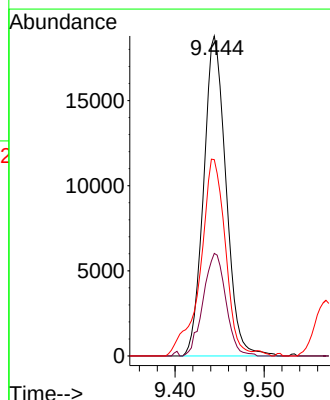
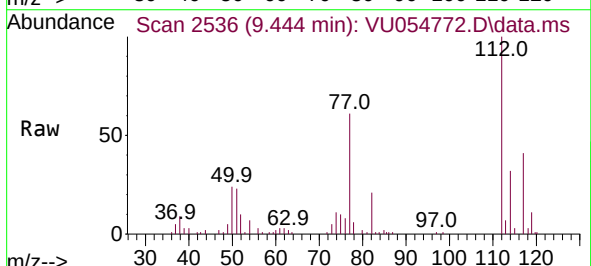
Tgt Ion:112 Resp: 32757

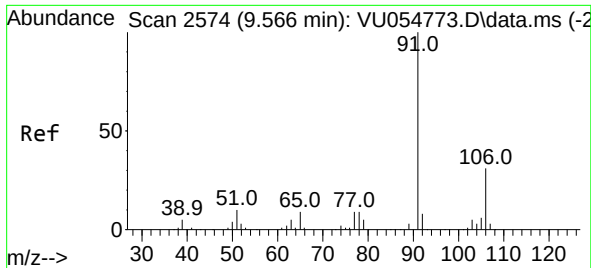
Ion Ratio Lower Upper

112 100

114 32.1 22.9 42.5

77 61.3 47.3 70.9

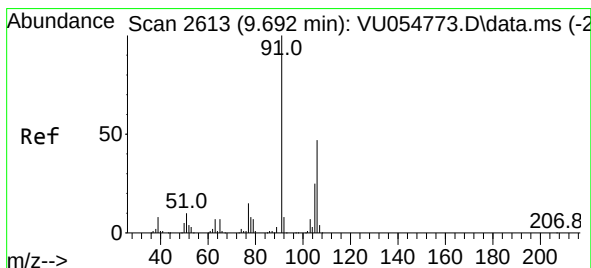
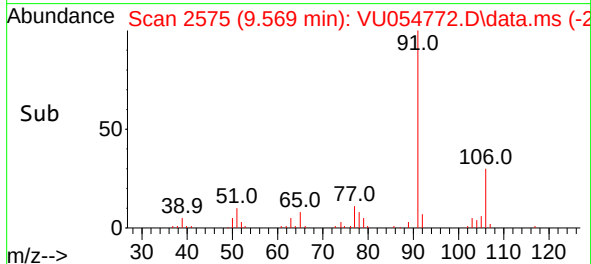
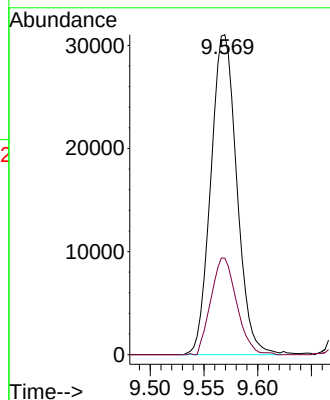
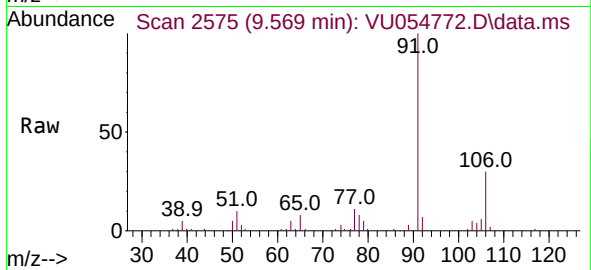




#52
Ethylbenzene
Concen: 0.926 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

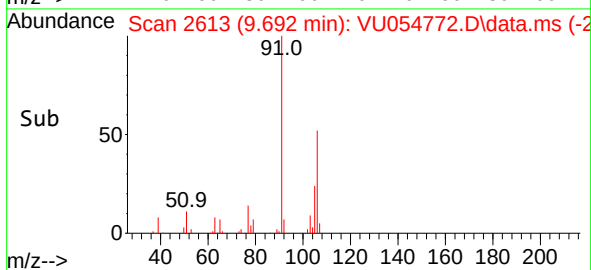
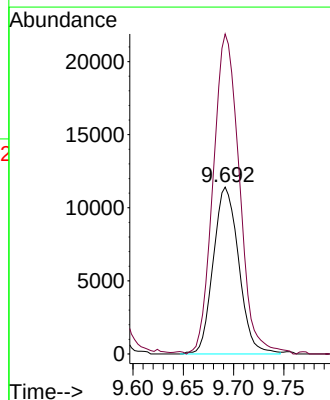
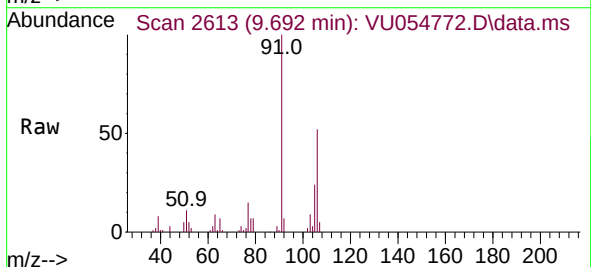
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

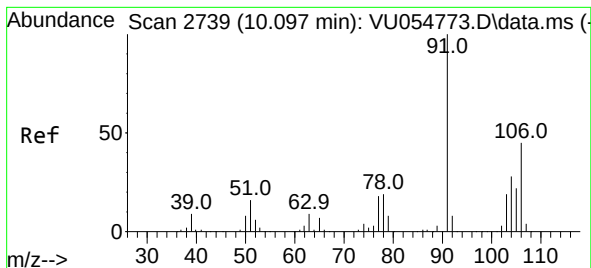
Tgt Ion: 91 Resp: 52125
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 0.936 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 106 Resp: 20123
Ion Ratio Lower Upper
106 100
91 191.7 148.8 276.4





#54

o-Xylene

Concen: 0.894 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

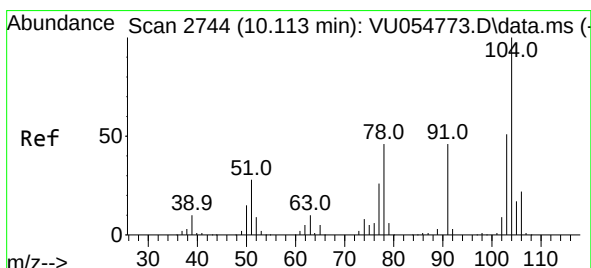
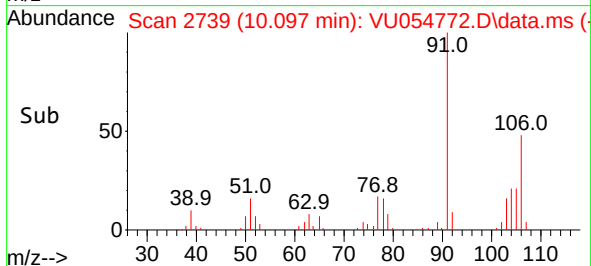
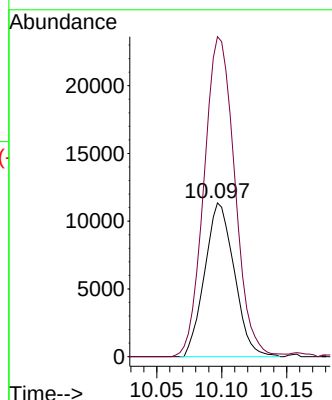
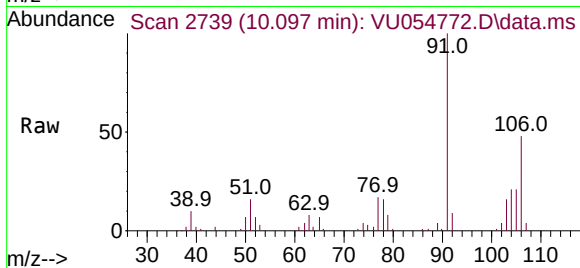
VSTD001038

Tgt Ion:106 Resp: 17955

Ion Ratio Lower Upper

106 100

91 208.1 156.8 291.2



#55

Styrene

Concen: 0.857 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU054772.D

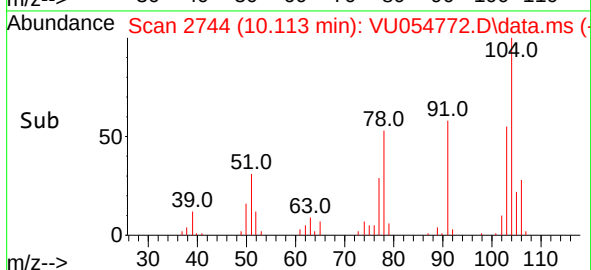
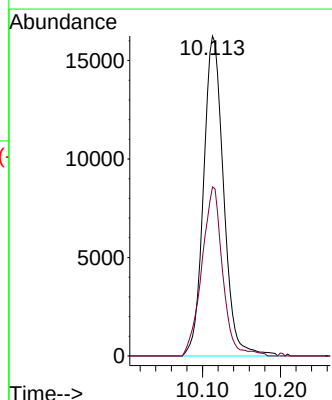
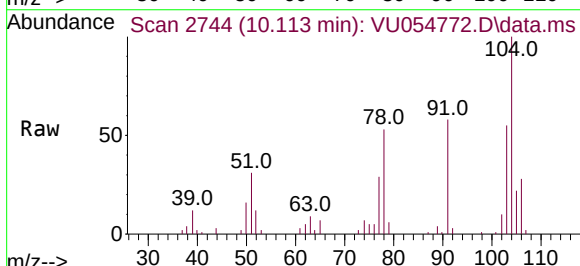
Acq: 07 Jul 2023 09:35

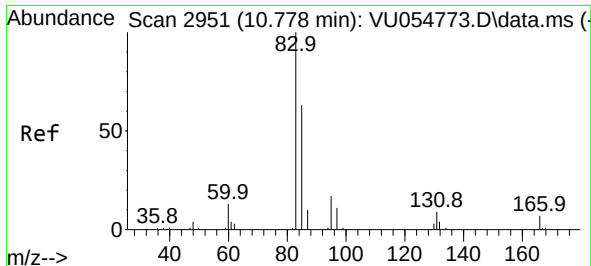
Tgt Ion:104 Resp: 29081

Ion Ratio Lower Upper

104 100

78 52.9 32.5 60.3

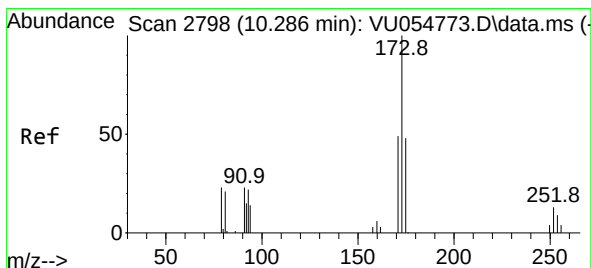
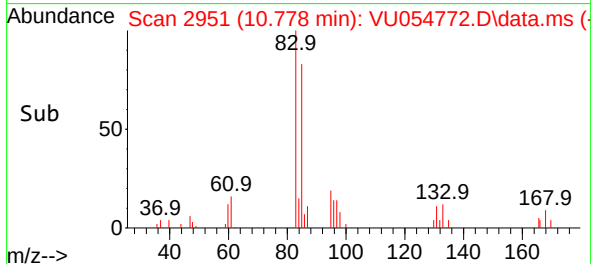
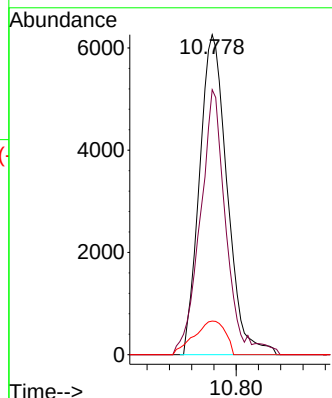
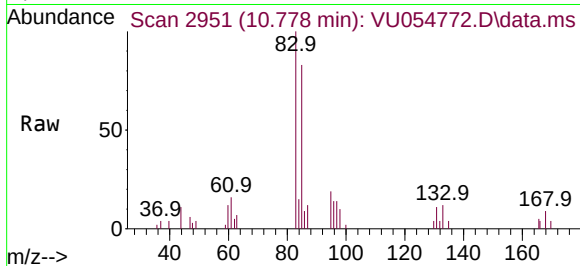




#57
1,1,2,2-Tetrachloroethane
Concen: 0.949 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

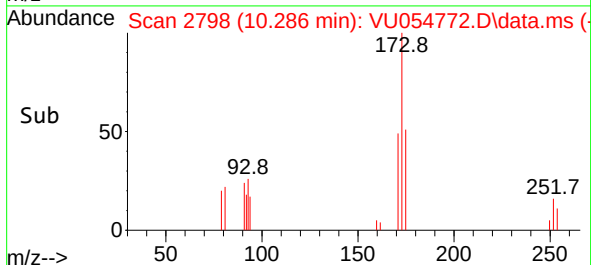
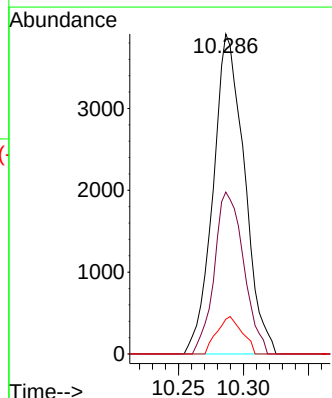
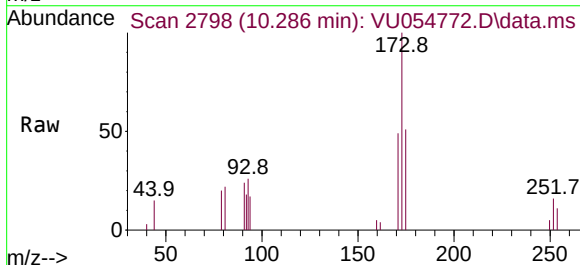
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

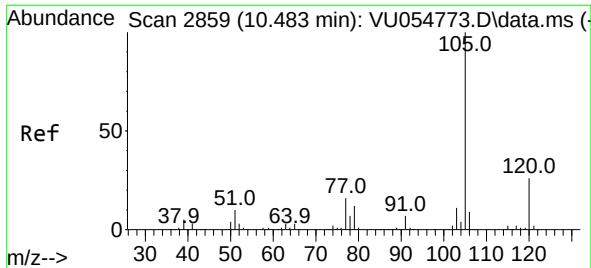
Tgt Ion: 83 Resp: 10782
Ion Ratio Lower Upper
83 100
85 82.8 45.5 84.5
131 10.5 8.6 13.0



#59
Bromoform
Concen: 1.015 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 173 Resp: 6531
Ion Ratio Lower Upper
173 100
175 47.4 38.1 57.1
254 9.4 7.8 11.6

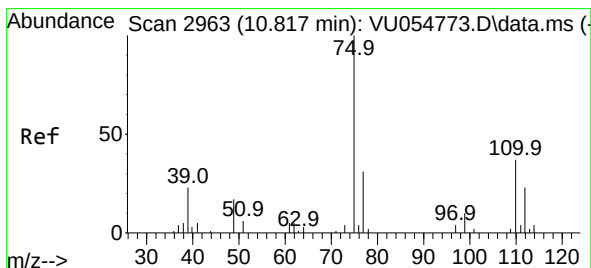
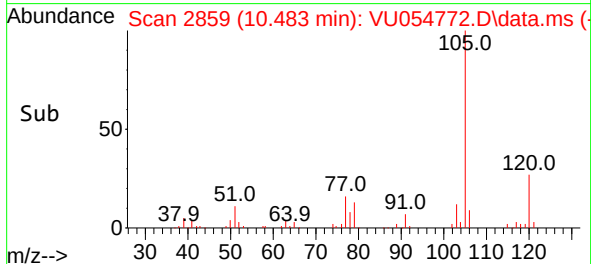
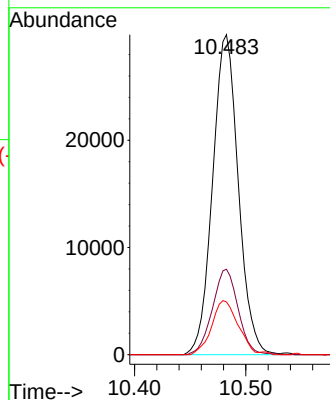
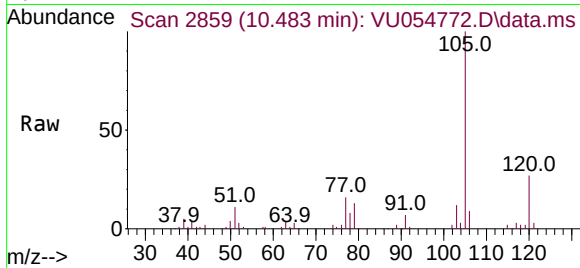




#60
Isopropylbenzene
Concen: 0.936 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

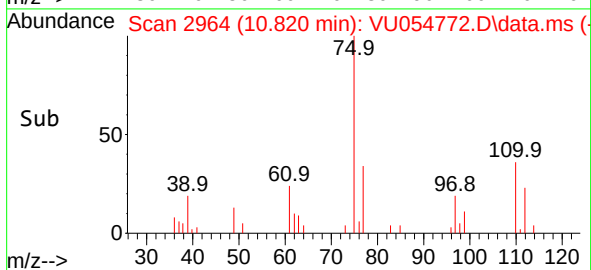
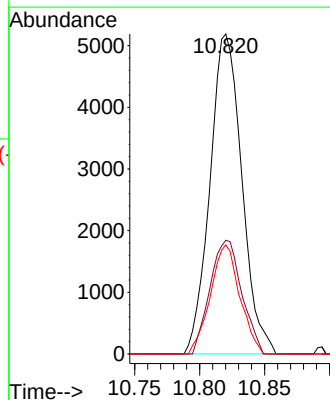
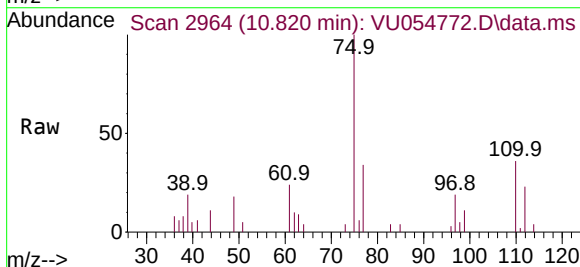
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

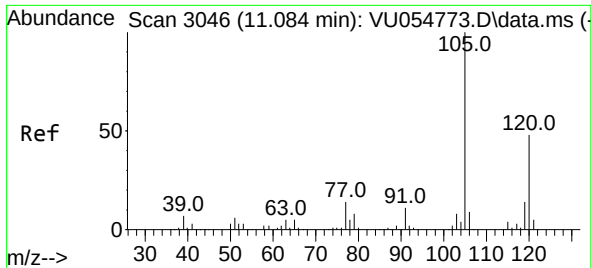
Tgt Ion:105 Resp: 47791
Ion Ratio Lower Upper
105 100
120 26.7 20.8 31.2
77 17.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 1.104 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion: 75 Resp: 8852
Ion Ratio Lower Upper
75 100
110 35.4 29.8 44.6
77 31.4 26.6 39.8

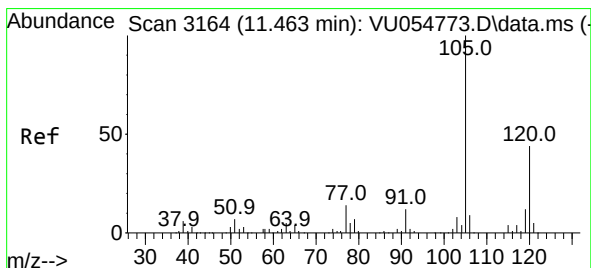
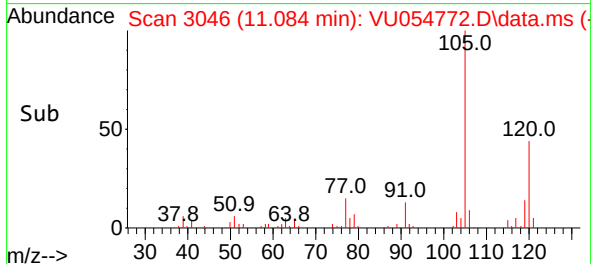
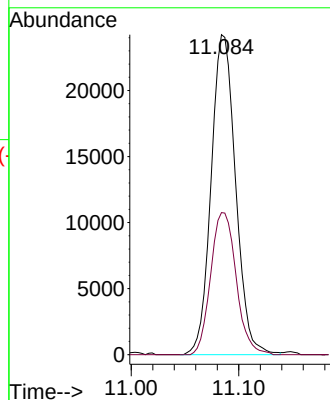
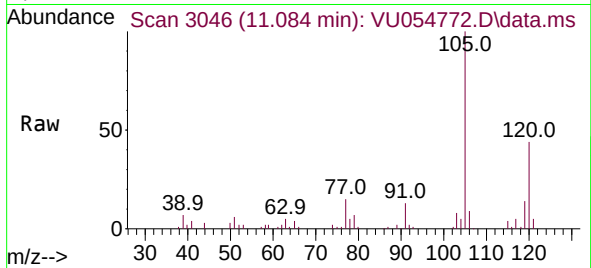




#62
1,3,5-Trimethylbenzene
Concen: 0.905 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

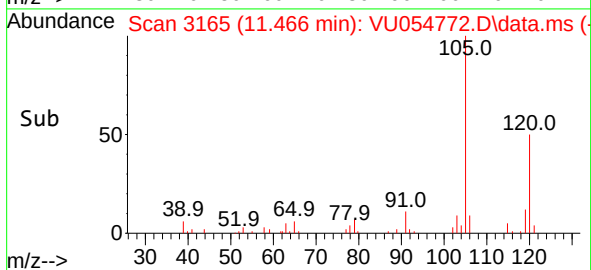
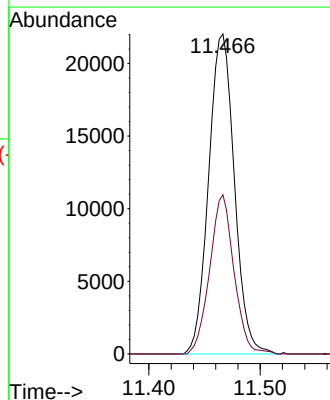
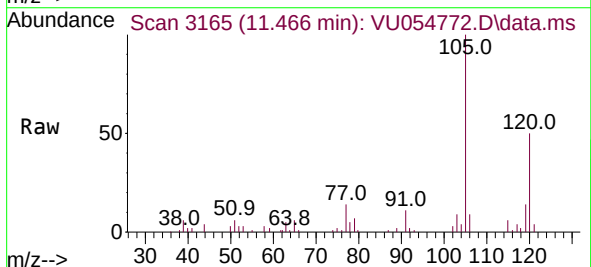
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

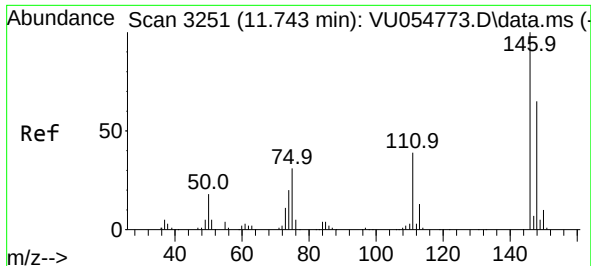
Tgt Ion:105 Resp: 38310
Ion Ratio Lower Upper
105 100
120 46.3 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 0.874 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion:105 Resp: 35361
Ion Ratio Lower Upper
105 100
120 46.8 35.2 52.8

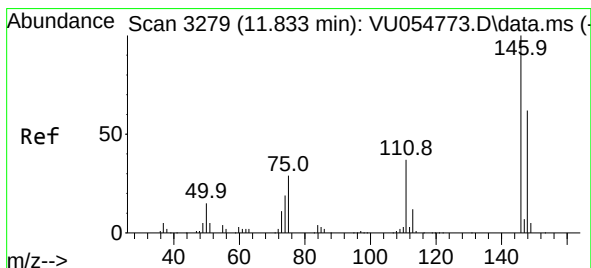
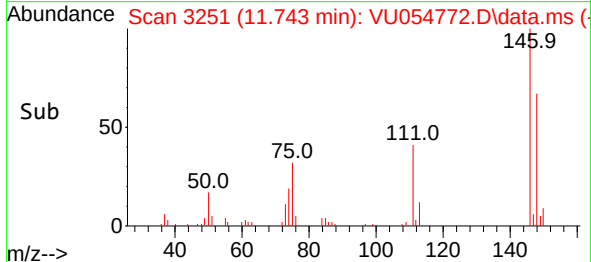
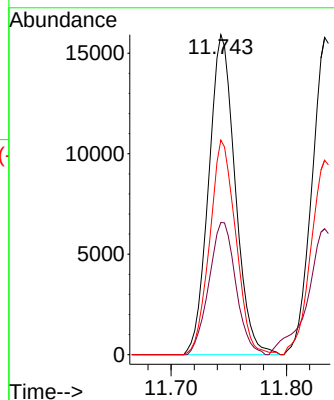
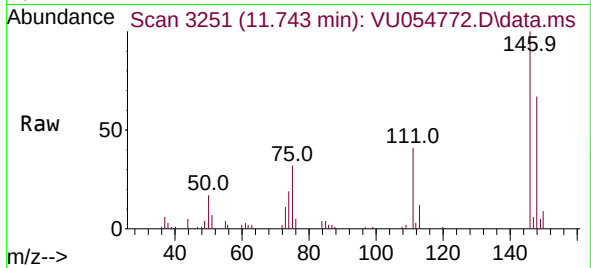




#64
1,3-Dichlorobenzene
Concen: 0.988 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

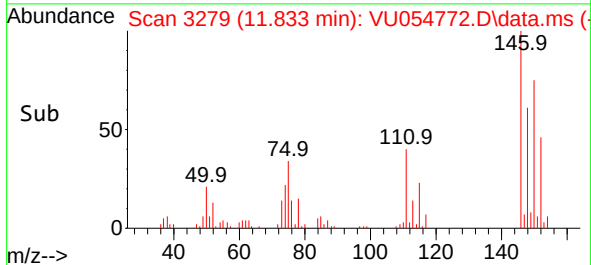
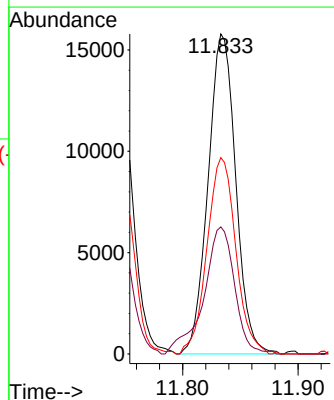
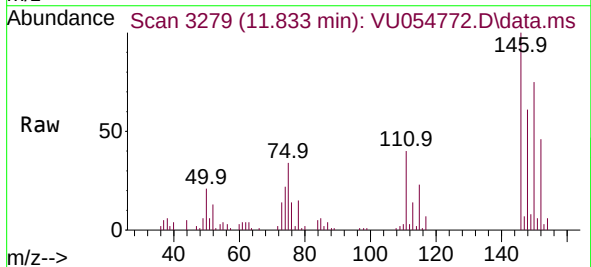
Instrument :
MSVOA_U
ClientSampleId :
VSTD001038

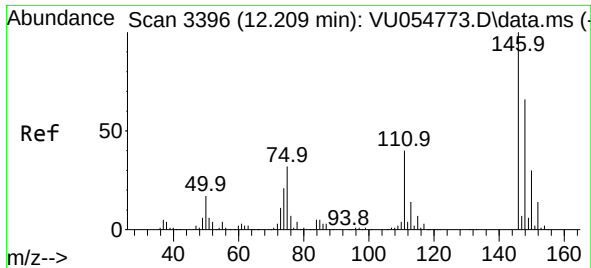
Tgt Ion:146 Resp: 25387
Ion Ratio Lower Upper
146 100
111 41.3 27.5 51.1
148 67.0 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 1.028 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054772.D
Acq: 07 Jul 2023 09:35

Tgt Ion:146 Resp: 26316
Ion Ratio Lower Upper
146 100
111 39.7 25.7 47.7
148 61.3 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 0.992 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

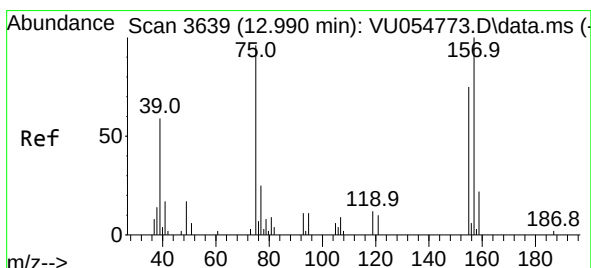
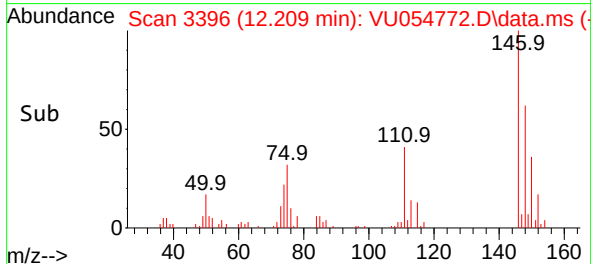
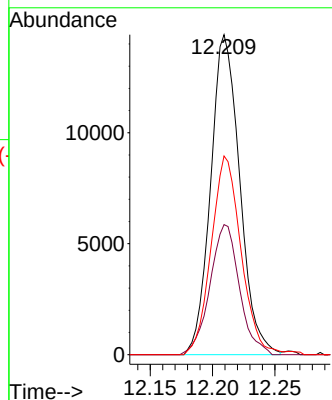
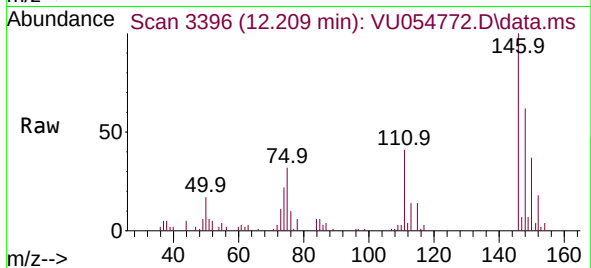
Tgt Ion:146 Resp: 23423

Ion Ratio Lower Upper

146 100

111 40.7 32.4 48.6

148 62.1 53.2 79.8



#68

1,2-Dibromo-3-chloropropane

Concen: 1.121 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.006 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

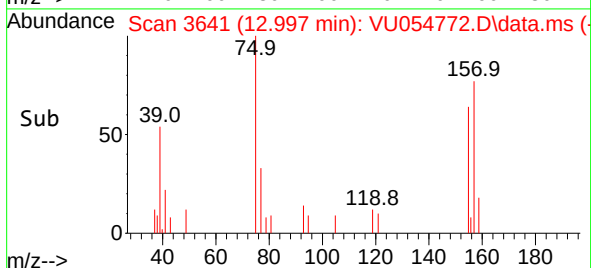
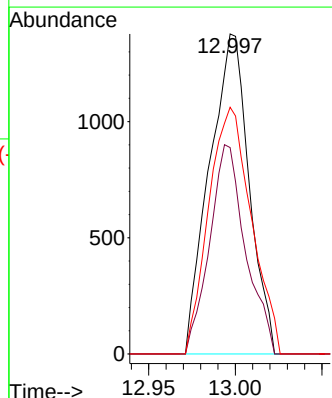
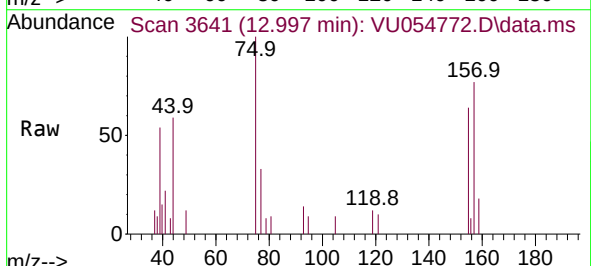
Tgt Ion: 75 Resp: 2187

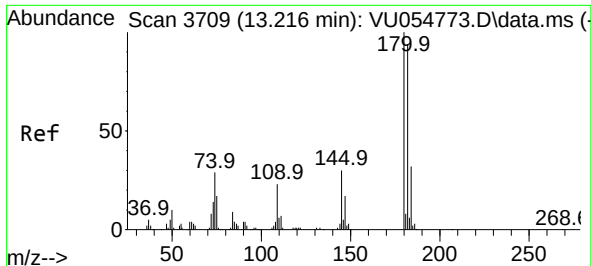
Ion Ratio Lower Upper

75 100

155 64.5 62.9 94.3

157 77.1 83.4 125.0#





#69

1,3,5-Trichlorobenzene

Concen: 0.983 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

Tgt Ion:180 Resp: 18878

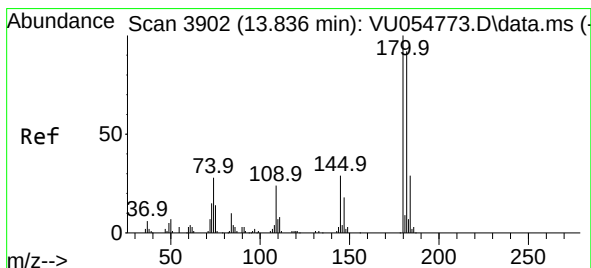
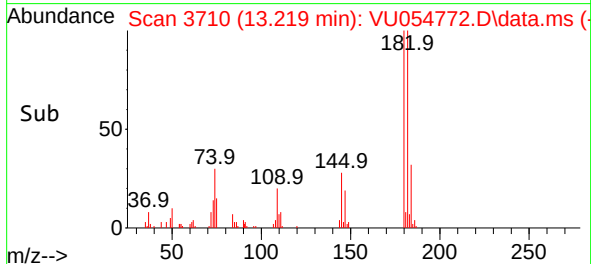
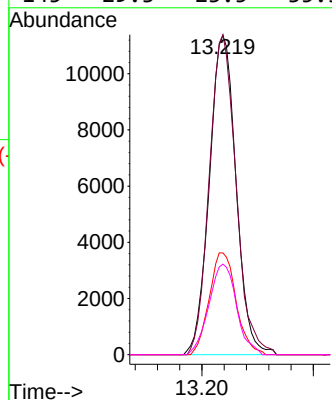
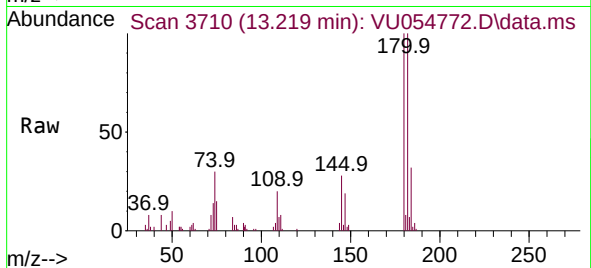
Ion Ratio Lower Upper

180 100

182 100.1 74.6 111.8

184 32.1 24.9 37.3

145 29.3 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 0.948 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

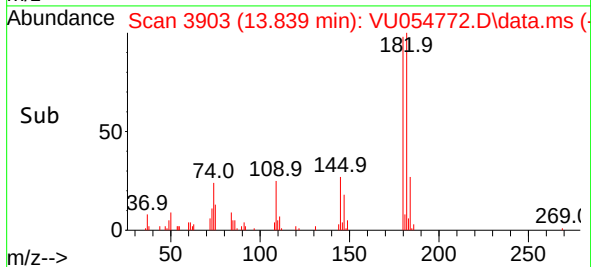
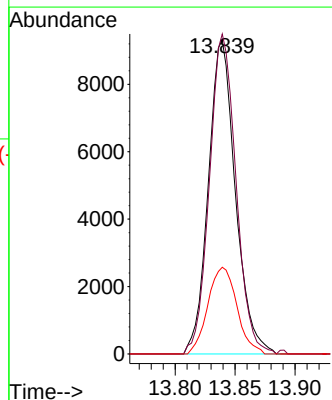
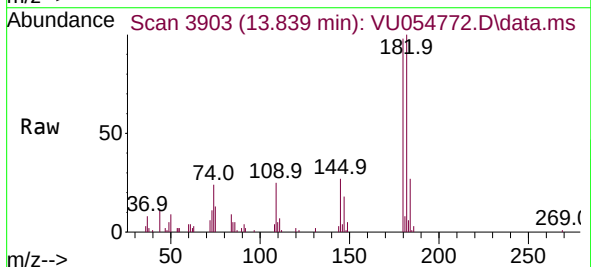
Tgt Ion:180 Resp: 14633

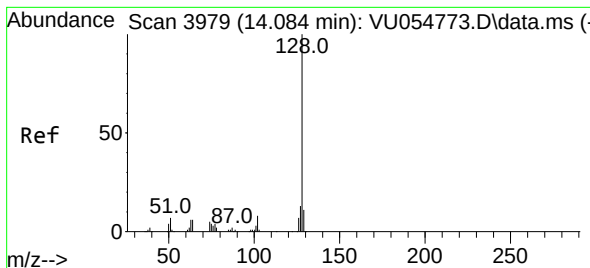
Ion Ratio Lower Upper

180 100

182 99.6 76.5 114.7

145 29.5 23.4 35.2





#71

Naphthalene

Concen: 0.880 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD001038

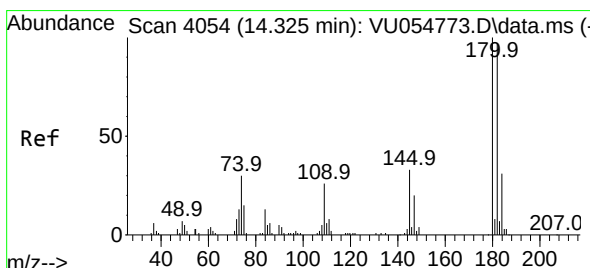
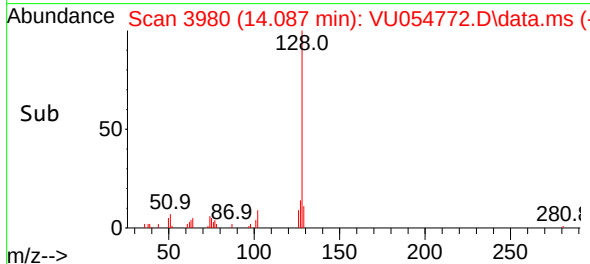
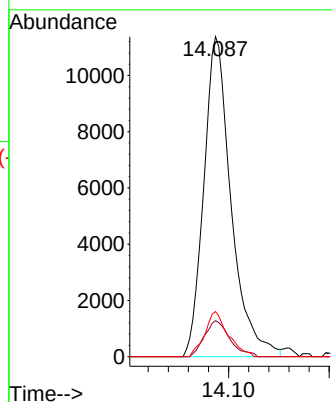
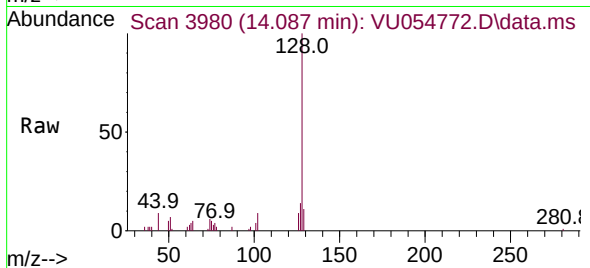
Tgt Ion:128 Resp: 21448

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

127 12.0 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 0.942 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.006 min

Lab File: VU054772.D

Acq: 07 Jul 2023 09:35

Tgt Ion:180 Resp: 13002

Ion Ratio Lower Upper

180 100

182 93.9 76.9 115.3

145 32.6 25.4 38.0

