

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071223\
 Data File : U054781.D
 Acq On : 12 Jul 2023 12:49
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005091

Quant Time: Jul 13 05:25:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 13 05:24:51 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	235373	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	230611	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118622	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	83668	4.710	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.200%
7) Chloroethane-d5	1.907	69	71313	4.799	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.563	65	33987	4.685	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	4.627	46	206092	51.059	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.120%
24) Chloroform-d	5.058	84	156510	4.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.698	65	82103	4.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	299665	4.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	6.688	67	95181	4.903	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.894	98	281611	4.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.177	79	38408	4.916	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.400%
46) 2-Hexanone-d5	8.630	63	152427	50.924	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.840%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	76173	4.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	107223	5.188	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	89086	4.873	ug/L	97
3) Chloromethane	1.518	50	96830	4.742	ug/L	98
5) Vinyl chloride	1.602	62	94311	4.752	ug/L	99
6) Bromomethane	1.856	94	56487	4.684	ug/L	100
8) Chloroethane	1.930	64	55207	4.863	ug/L	98
9) Trichlorofluoromethane	2.132	101	125380	4.848	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	65220	5.048	ug/L	99
12) 1,1-Dichloroethene	2.576	96	59162	4.913	ug/L	85
13) Acetone	2.637	43	99864	47.377	ug/L	97
14) Carbon disulfide	2.788	76	196641	4.850	ug/L	99
15) Methyl Acetate	2.952	43	24275	4.657	ug/L	94
16) Methylene chloride	3.042	84	76675	4.302	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	139812	4.921	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	60293	4.862	ug/L	98
19) 1,1-Dichloroethane	3.865	63	117567	4.891	ug/L	94
21) 2-Butanone	4.708	43	156187	49.170	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	65189	4.828	ug/L	98
23) Bromochloromethane	4.971	128	29823	4.966	ug/L	94
25) Chloroform	5.084	83	119220	4.732	ug/L	96

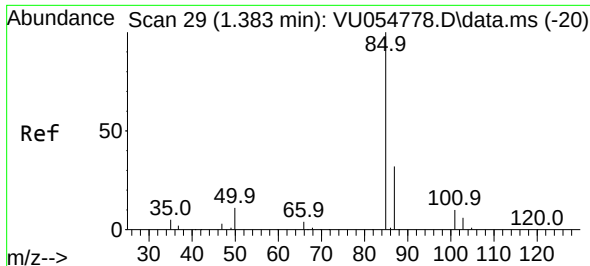
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071223\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	76840	4.721	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	107376	4.826	ug/L	99
30) Cyclohexane	5.386	56	98092	4.955	ug/L	99
31) Carbon tetrachloride	5.521	117	95140	4.764	ug/L	100
33) Benzene	5.772	78	250785	4.831	ug/L	100
34) Trichloroethene	6.537	95	69949	4.813	ug/L	98
35) Methylcyclohexane	6.759	83	97054	4.776	ug/L	99
37) 1,2-Dichloropropane	6.788	63	66841	4.906	ug/L	98
38) Bromodichloromethane	7.103	83	85200	4.868	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	94870	4.655	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	368090	48.205	ug/L	100
42) Toluene	7.968	91	273547	4.971	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	86842	4.929	ug/L	94
45) 1,1,2-Trichloroethane	8.399	97	46776	4.795	ug/L	97
47) Tetrachloroethene	8.553	164	55591	4.723	ug/L	94
48) 2-Hexanone	8.682	43	277455	50.460	ug/L	99
49) Dibromochloromethane	8.807	129	54925	4.837	ug/L	97
50) 1,2-Dibromoethane	8.923	107	44032	4.730	ug/L	99
51) Chlorobenzene	9.444	112	169585	4.811	ug/L	98
52) Ethylbenzene	9.569	91	287898	4.888	ug/L	98
53) m,p-Xylene	9.692	106	110502	4.911	ug/L	99
54) o-Xylene	10.100	106	106106	5.049	ug/L	96
55) Styrene	10.113	104	176440	4.966	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.782	83	57150	4.805	ug/L	97
59) Bromoform	10.290	173	34746	5.007	ug/L	98
60) Isopropylbenzene	10.483	105	285615	5.189	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	39859	4.611	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	232069	5.082	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	227524	5.214	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	138163	4.985	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	136896	4.959	ug/L	96
67) 1,2-Dichlorobenzene	12.212	146	126604	4.970	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	9611	4.569	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	102977	4.971	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	80995	4.866	ug/L	98
71) Naphthalene	14.087	128	121376	4.618	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	72100	4.844	ug/L	99

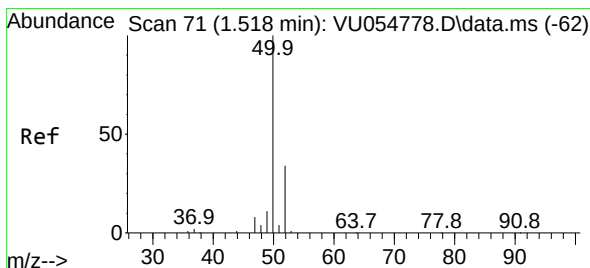
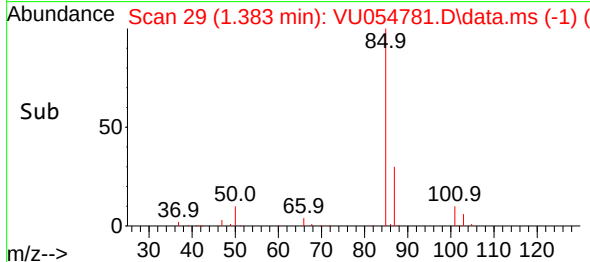
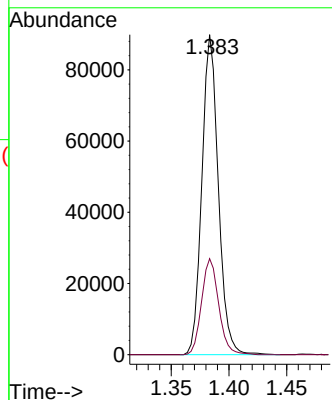
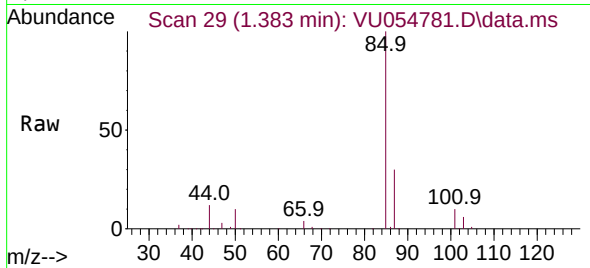
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.873 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054781.D
 Acq: 12 Jul 2023 12:49

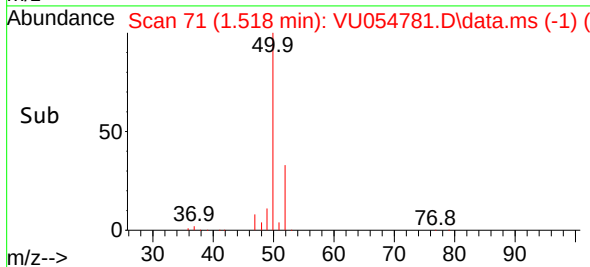
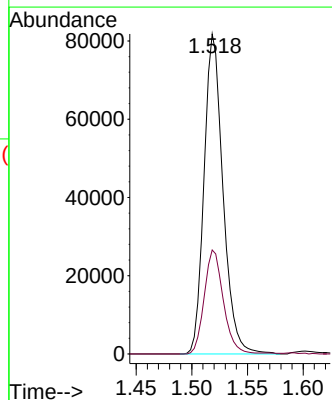
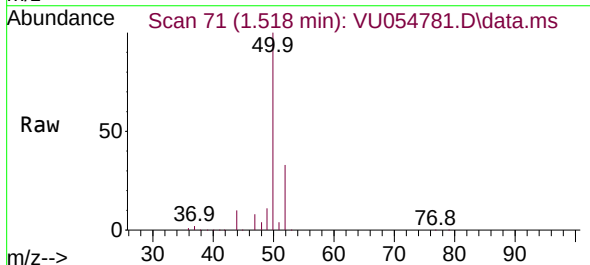
Instrument :
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 ClientSampleId :
 VSTD005091

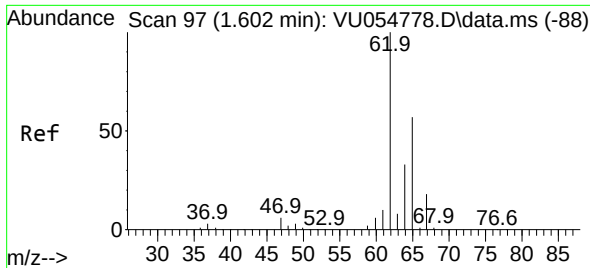
Tgt Ion: 85 Resp: 89086
 Ion Ratio Lower Upper
 85 100
 87 31.1 26.2 39.2



#3
 Chloromethane
 Concen: 4.742 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054781.D
 Acq: 12 Jul 2023 12:49

Tgt Ion: 50 Resp: 96830
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.4 43.6

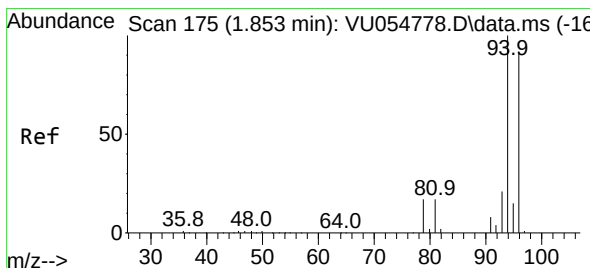
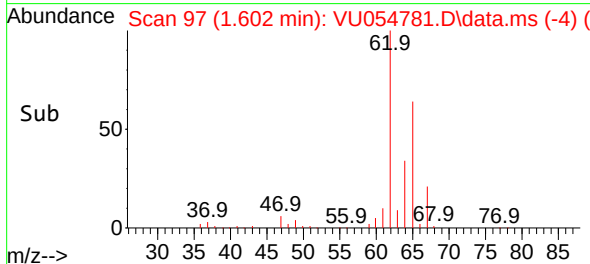
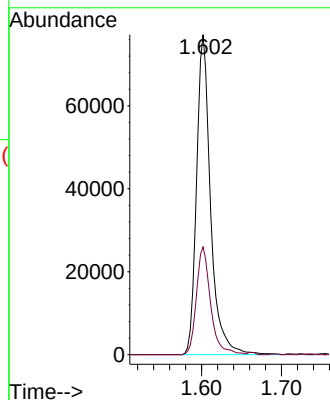
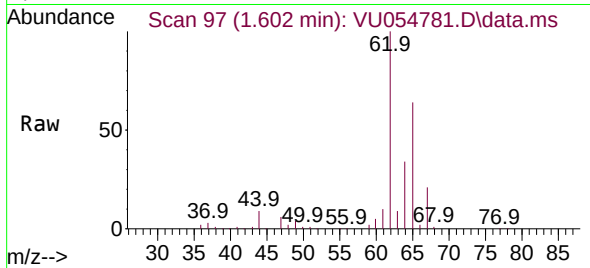




#5
 Vinyl chloride
 Concen: 4.752 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054781.D
 Acq: 12 Jul 2023 12:49

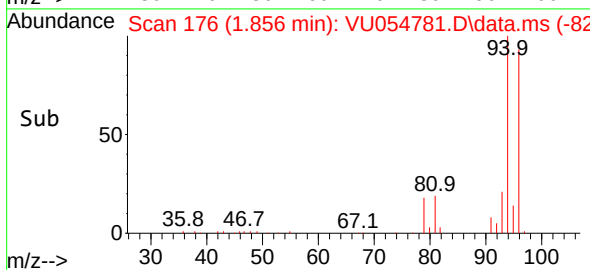
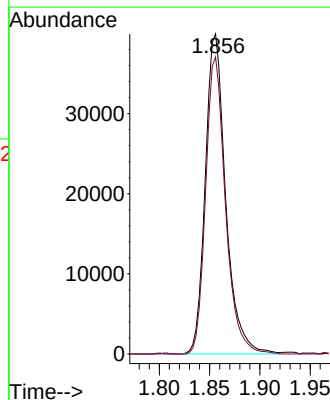
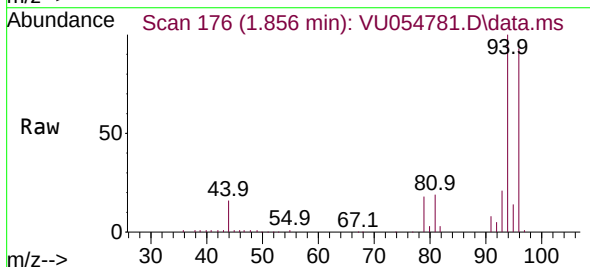
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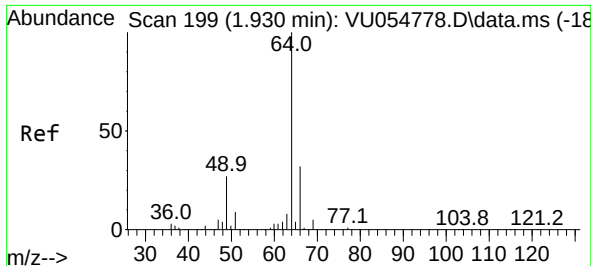
Tgt Ion: 62 Resp: 94311
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.0



#6
 Bromomethane
 Concen: 4.684 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU054781.D
 Acq: 12 Jul 2023 12:49

Tgt Ion: 94 Resp: 56487
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.0 120.6

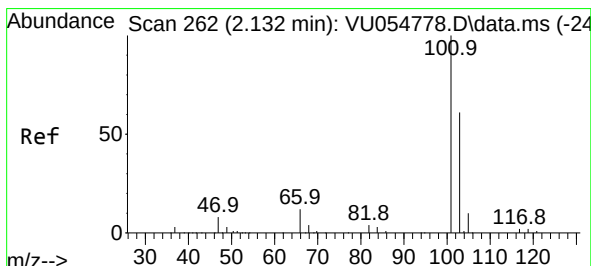
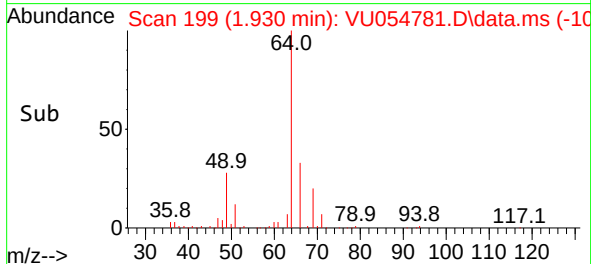
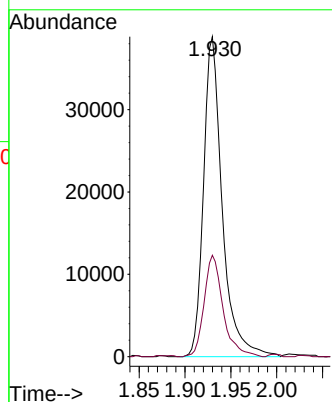
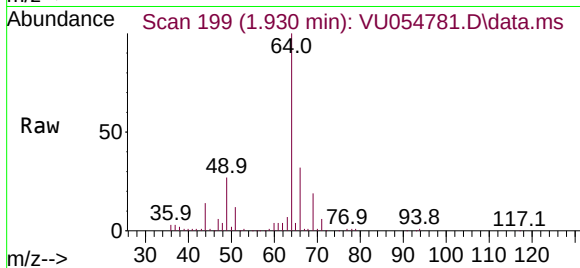




#8
Chloroethane
Concen: 4.863 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

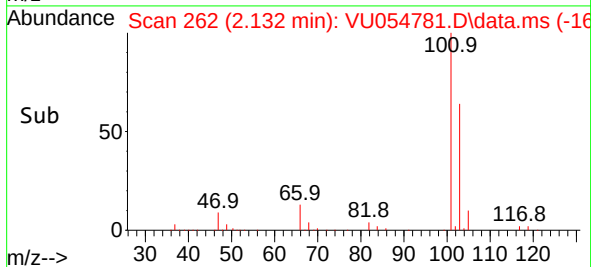
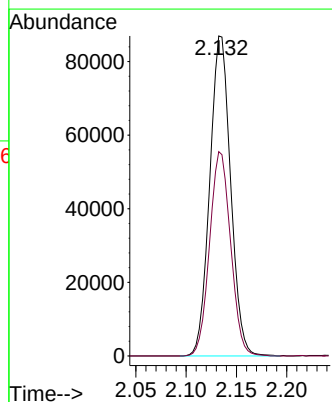
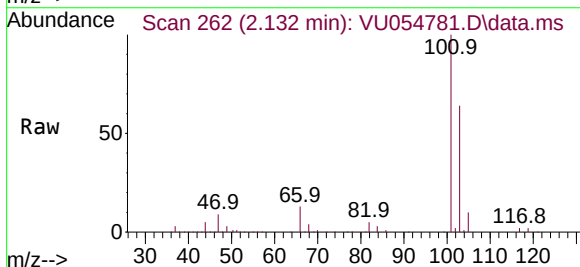
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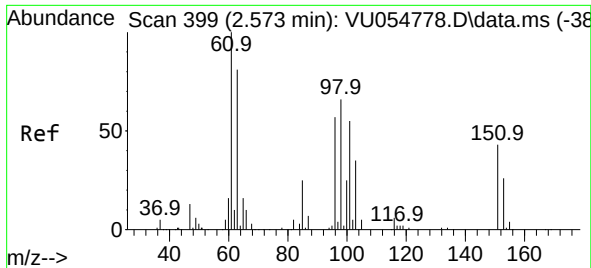
Tgt Ion: 64 Resp: 55207
Ion Ratio Lower Upper
64 100
66 31.7 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.848 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion:101 Resp: 125380
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8

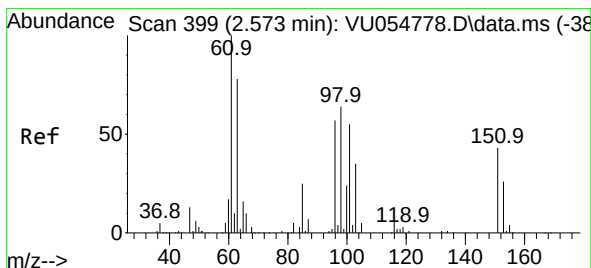
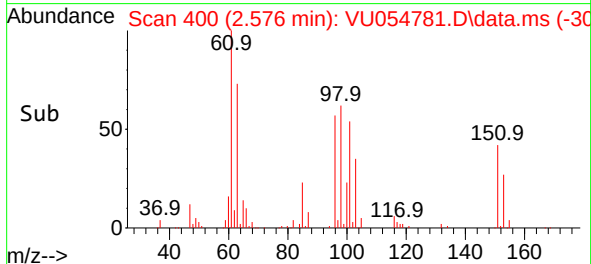
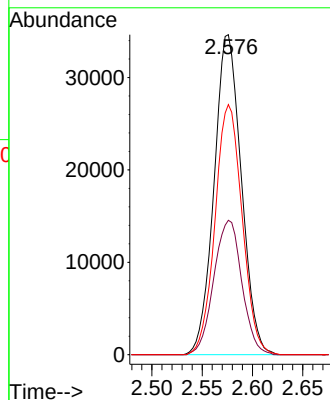
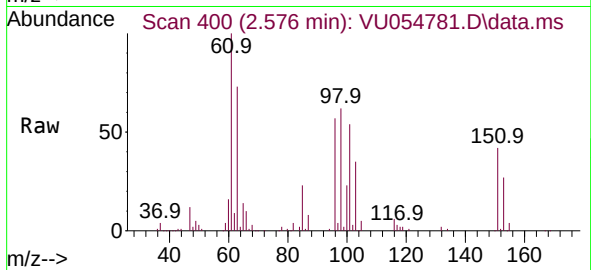




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.048 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

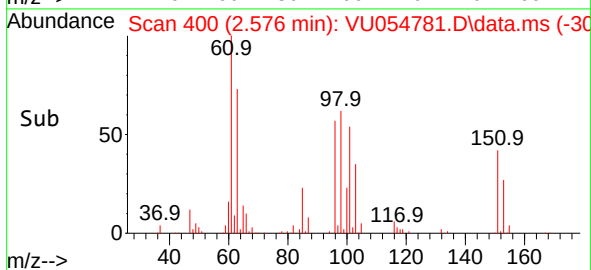
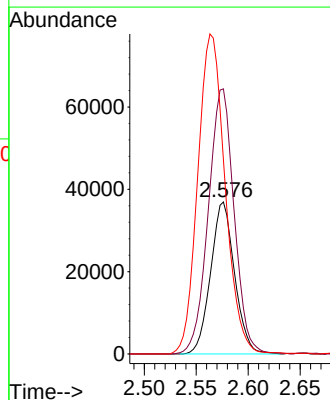
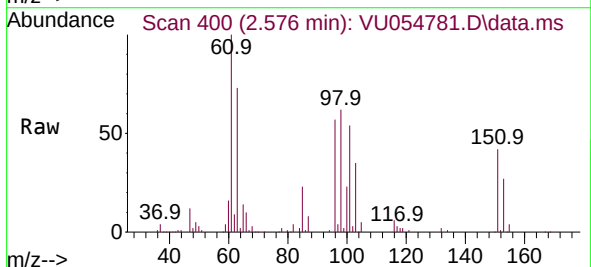
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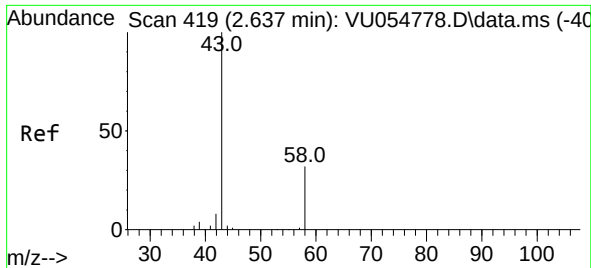
Tgt Ion:101 Resp: 65220
Ion Ratio Lower Upper
101 100
85 43.3 34.5 51.7
151 77.8 63.5 95.3



#12
1,1-Dichloroethene
Concen: 4.913 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 96 Resp: 59162
Ion Ratio Lower Upper
96 100
61 174.4 131.8 244.8
63 127.9 109.8 204.0





#13

Acetone

Concen: 47.377 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

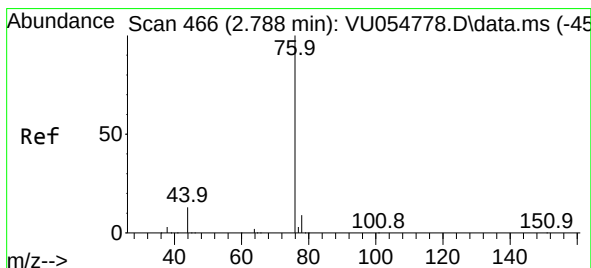
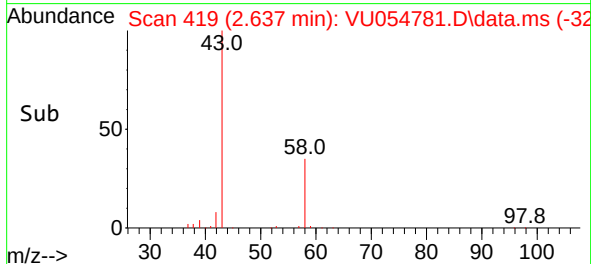
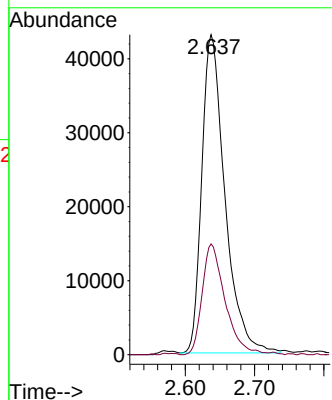
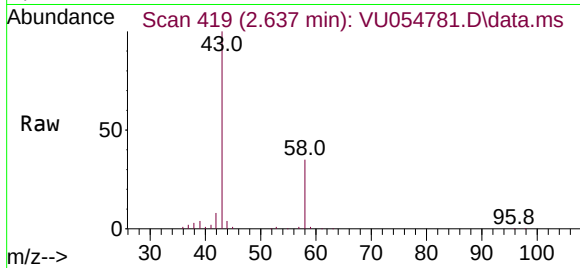
VSTD005091

Tgt Ion: 43 Resp: 99864

Ion Ratio Lower Upper

43 100

58 34.4 0.0 65.0



#14

Carbon disulfide

Concen: 4.850 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU054781.D

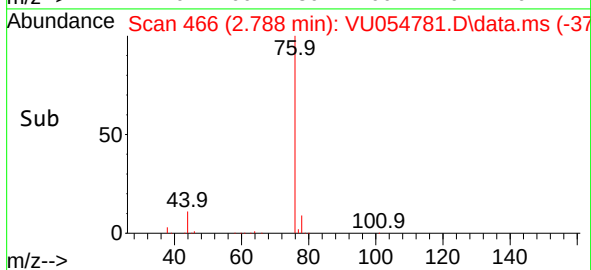
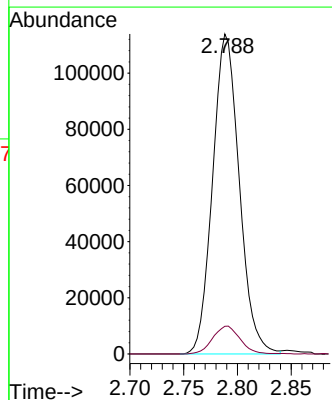
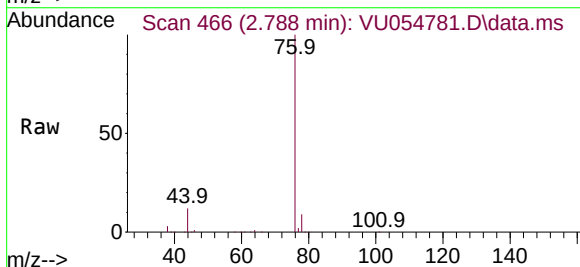
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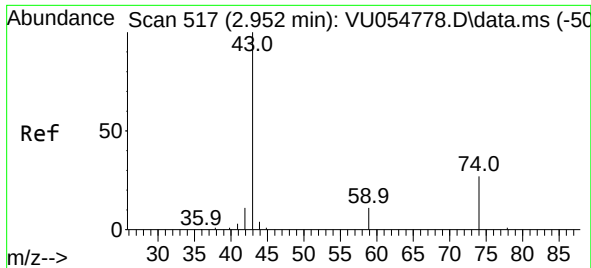
Tgt Ion: 76 Resp: 196641

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

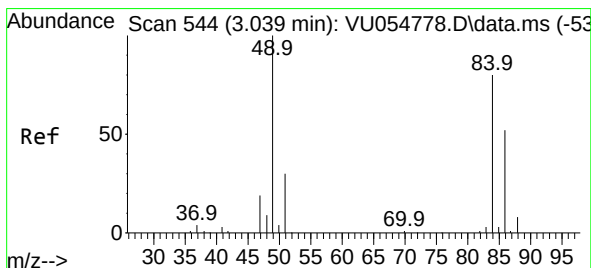
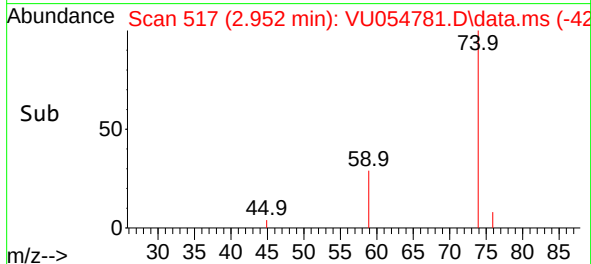
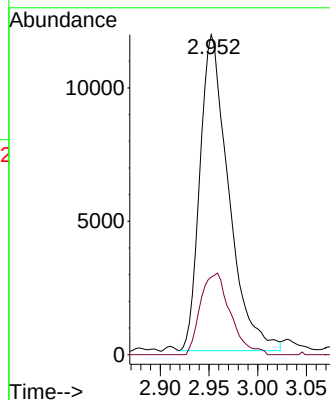
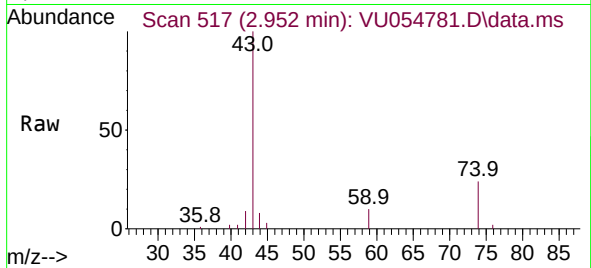




#15
Methyl Acetate
Concen: 4.657 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

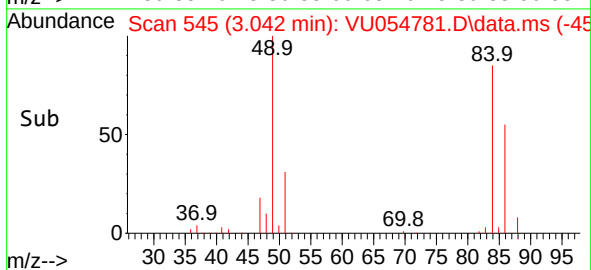
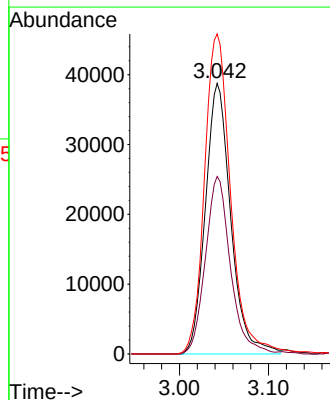
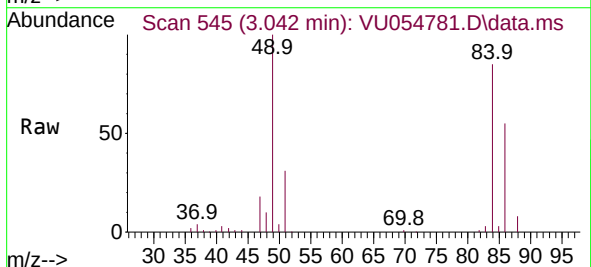
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

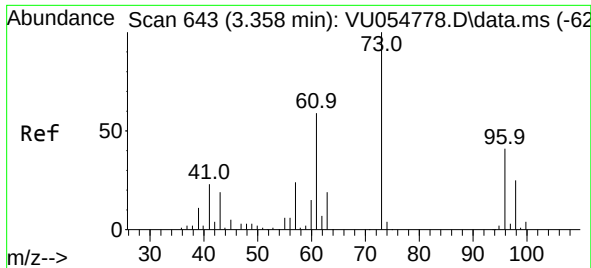
Tgt Ion: 43 Resp: 24275
Ion Ratio Lower Upper
43 100
74 26.8 19.2 28.8



#16
Methylene chloride
Concen: 4.302 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 84 Resp: 76675
Ion Ratio Lower Upper
84 100
86 65.6 45.3 84.1
49 118.3 86.7 160.9

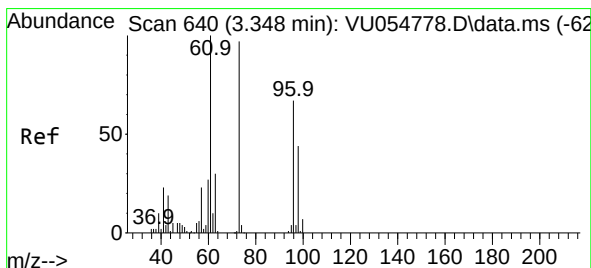
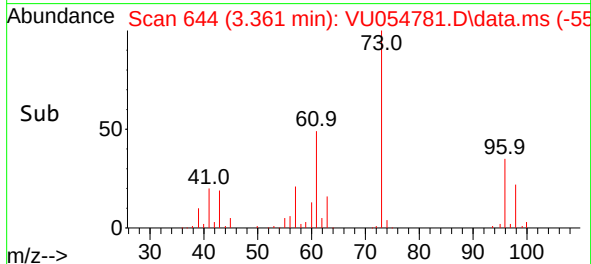
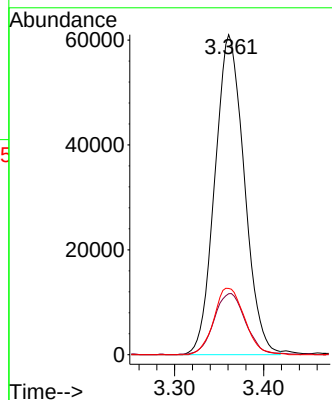
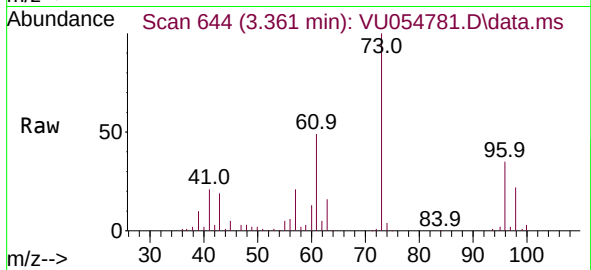




#17
Methyl tert-butyl Ether
Concen: 4.921 ug/L
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

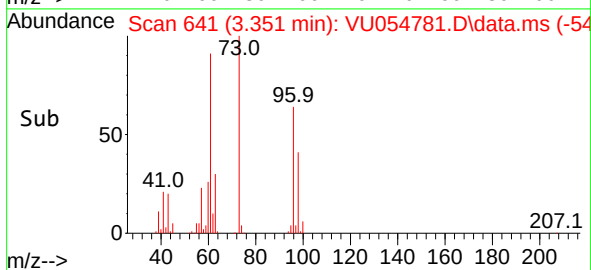
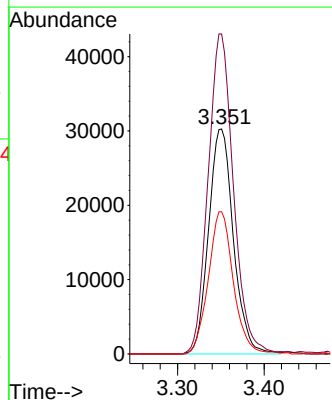
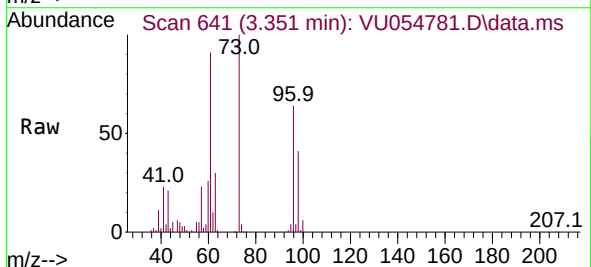
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

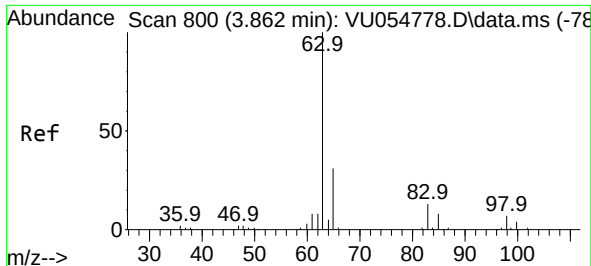
Tgt Ion: 73 Resp: 139812
Ion Ratio Lower Upper
73 100
43 20.7 16.9 25.3
57 21.7 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.862 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 96 Resp: 60293
Ion Ratio Lower Upper
96 100
61 142.3 101.6 188.6
98 63.2 45.6 84.6

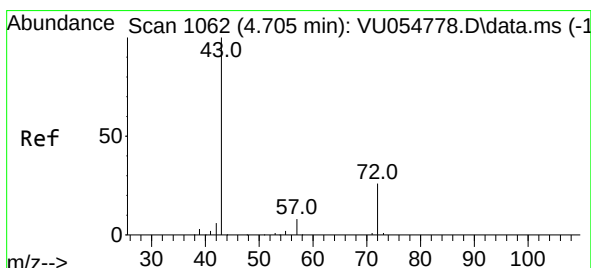
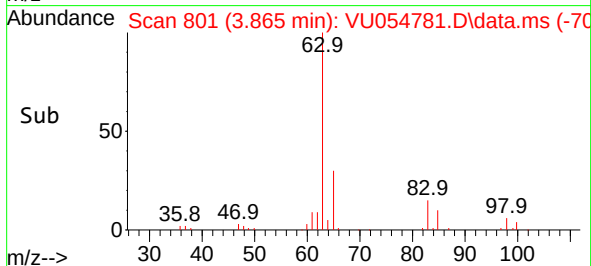
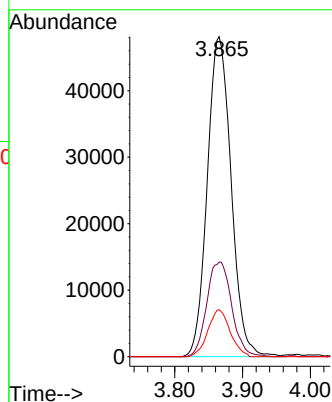
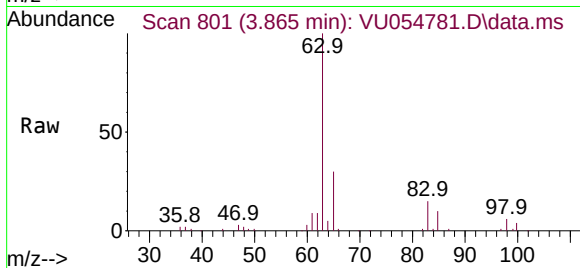




#19
1,1-Dichloroethane
Concen: 4.891 ug/L
RT: 3.865 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

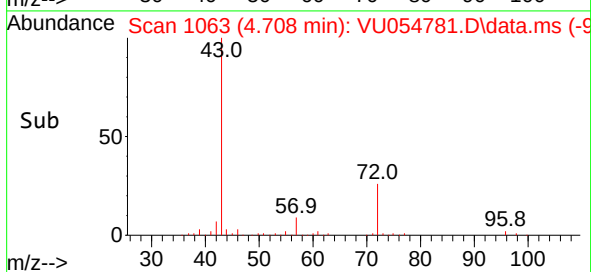
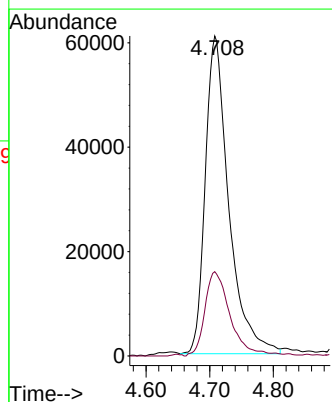
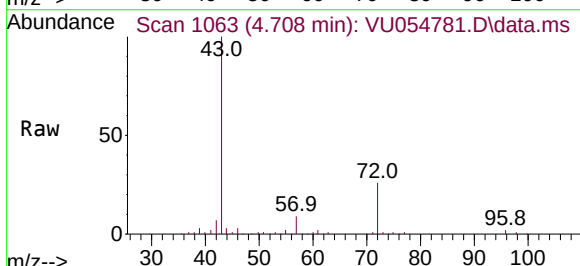
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

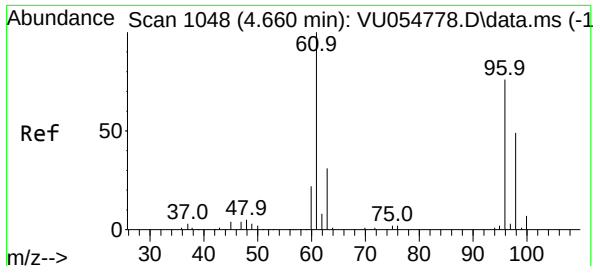
Tgt Ion: 63 Resp: 117567
Ion Ratio Lower Upper
63 100
65 29.6 24.2 45.0
83 14.7 10.4 19.2



#21
2-Butanone
Concen: 49.170 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 43 Resp: 156187
Ion Ratio Lower Upper
43 100
72 28.3 14.4 43.4

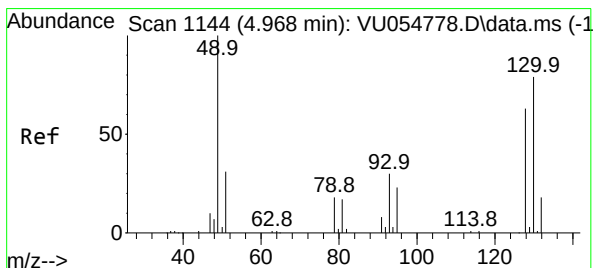
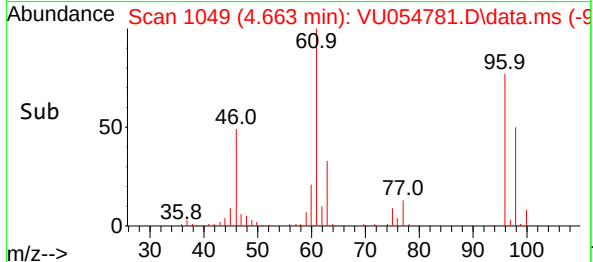
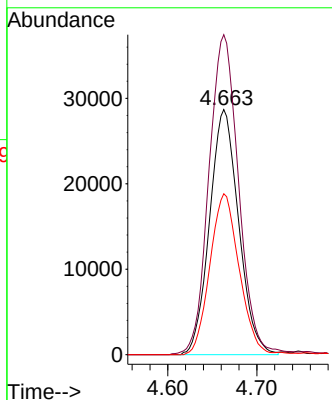
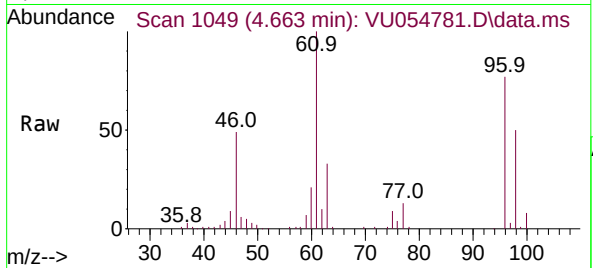




#22
 cis-1,2-Dichloroethene
 Concen: 4.828 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU054781.D
 Acq: 12 Jul 2023 12:49

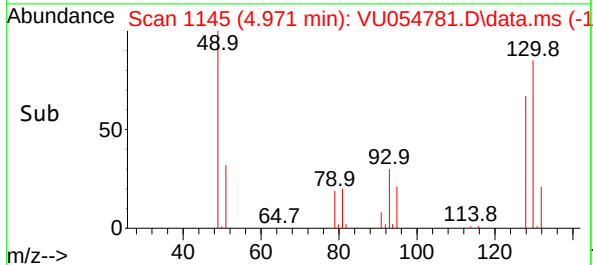
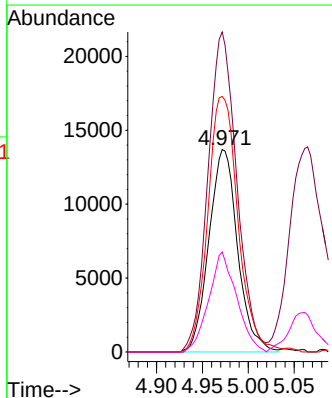
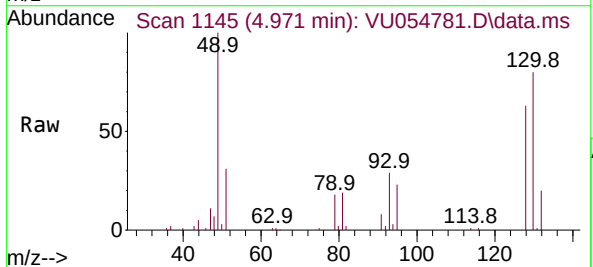
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005091

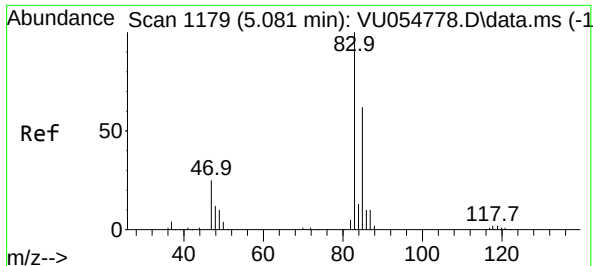
Tgt Ion:	96	Resp:	65189
Ion	Ratio	Lower	Upper
96	100		
61	130.6	93.0	172.8
98	65.6	44.0	81.8



#23
 Bromochloromethane
 Concen: 4.966 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU054781.D
 Acq: 12 Jul 2023 12:49

Tgt Ion:	128	Resp:	29823
Ion	Ratio	Lower	Upper
128	100		
49	158.0	113.5	210.7
130	126.2	98.0	182.0
51	49.4	40.2	60.2





#25

Chloroform

Concen: 4.732 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

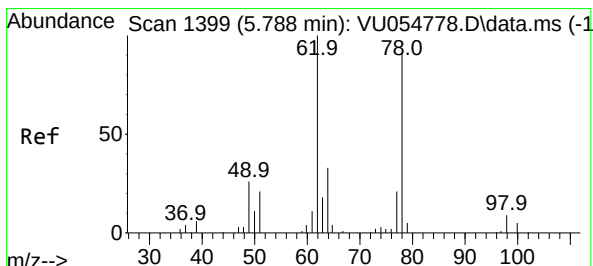
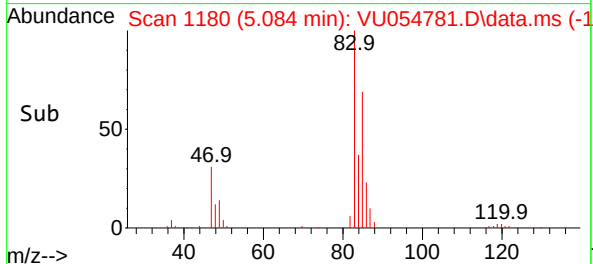
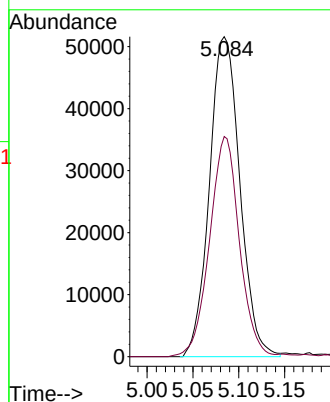
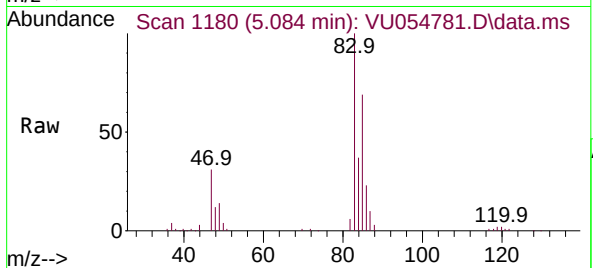
VSTD005091

Tgt Ion: 83 Resp: 119220

Ion Ratio Lower Upper

83 100

85 68.8 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.721 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU054781.D

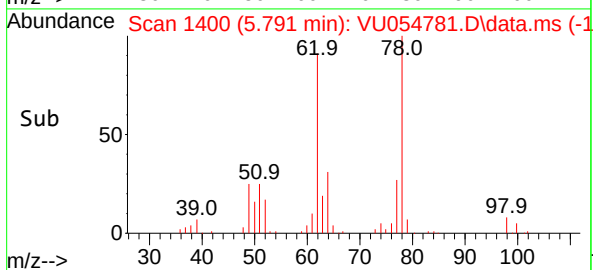
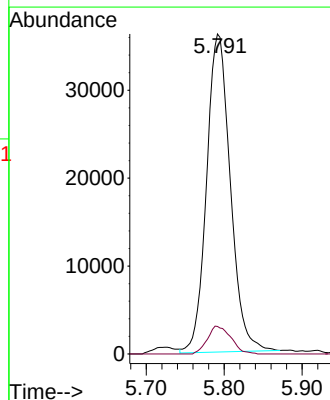
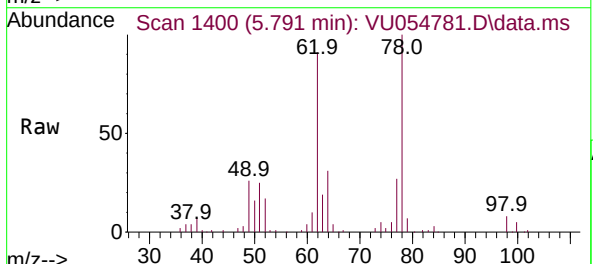
Acq: 12 Jul 2023 12:49

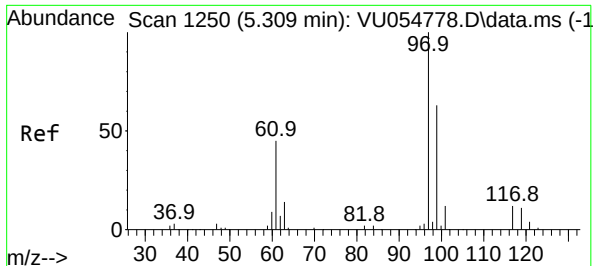
Tgt Ion: 62 Resp: 76840

Ion Ratio Lower Upper

62 100

98 8.6 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.826 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005091

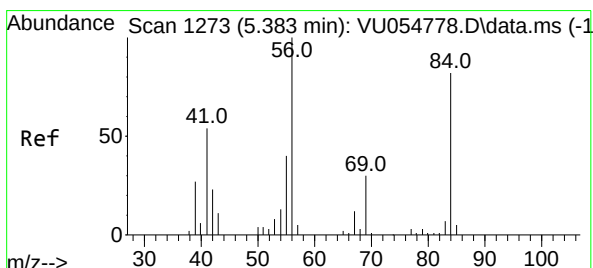
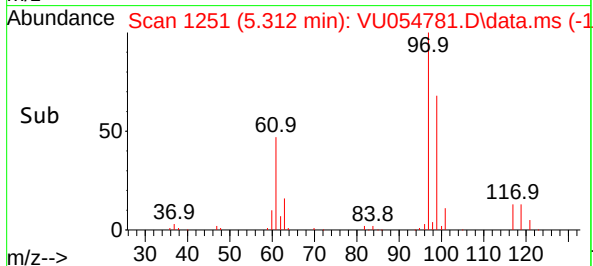
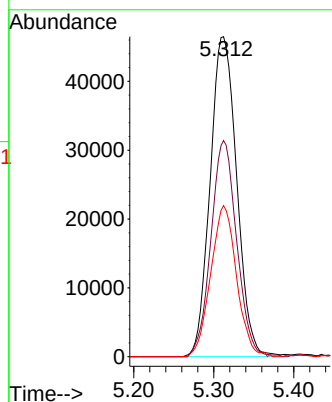
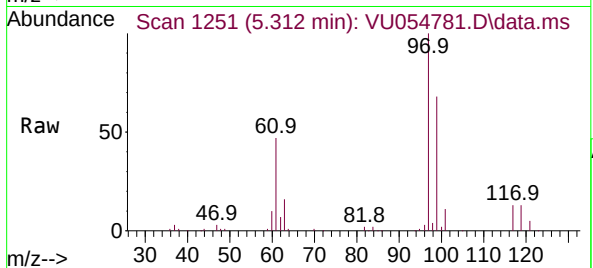
Tgt Ion: 97 Resp: 107376

Ion Ratio Lower Upper

97 100

99 65.4 51.7 77.5

61 45.8 37.0 55.4



#30

Cyclohexane

Concen: 4.955 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

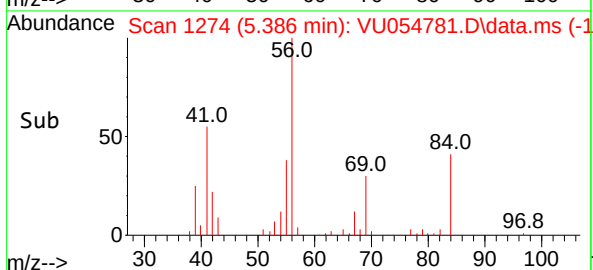
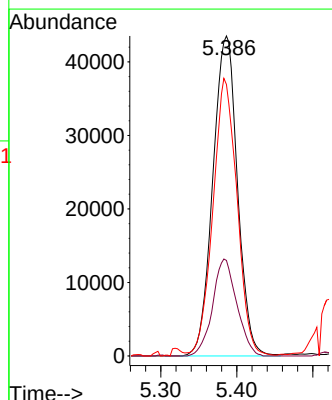
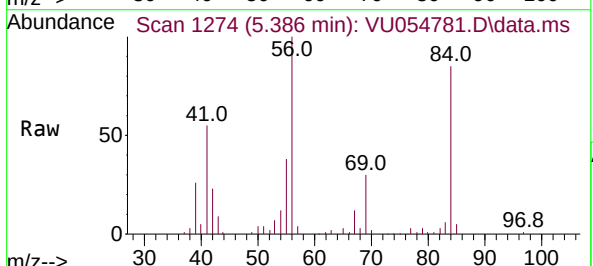
Tgt Ion: 56 Resp: 98092

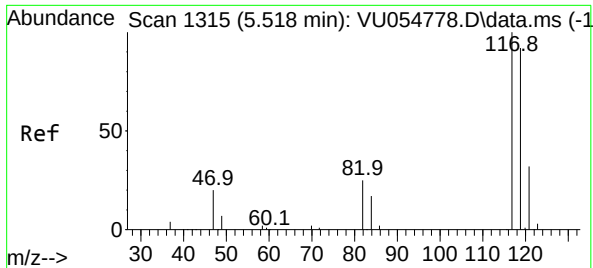
Ion Ratio Lower Upper

56 100

69 29.7 25.0 37.4

84 84.2 66.7 100.1

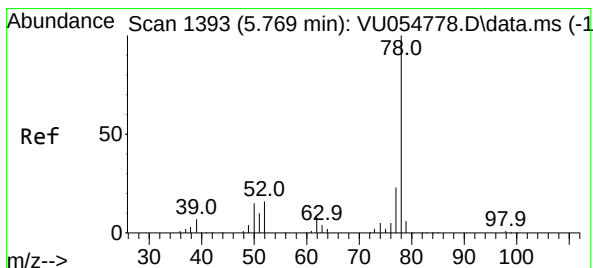
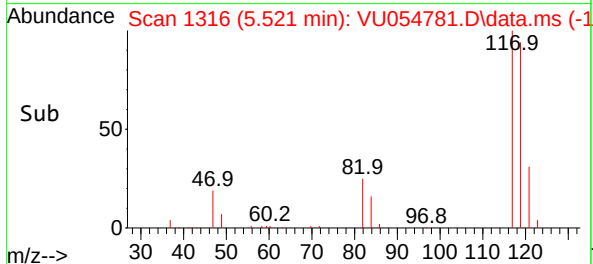
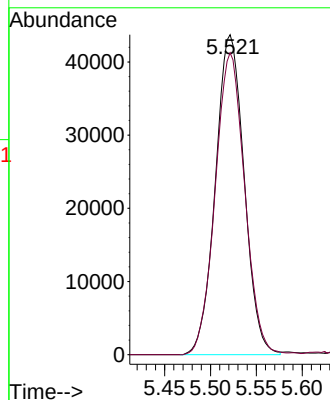
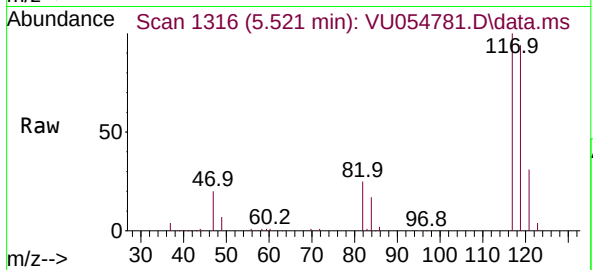




#31
Carbon tetrachloride
Concen: 4.764 ug/L
RT: 5.521 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

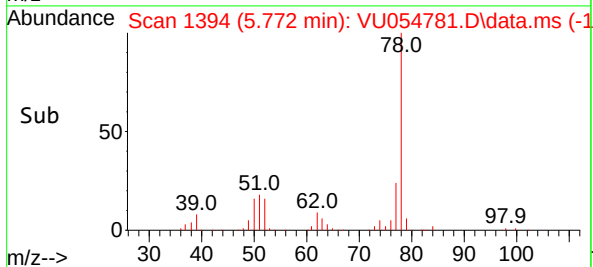
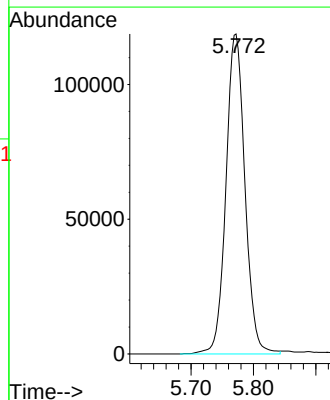
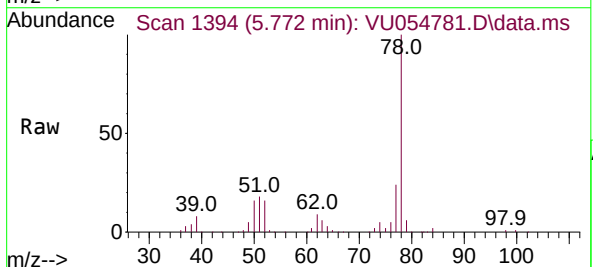
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

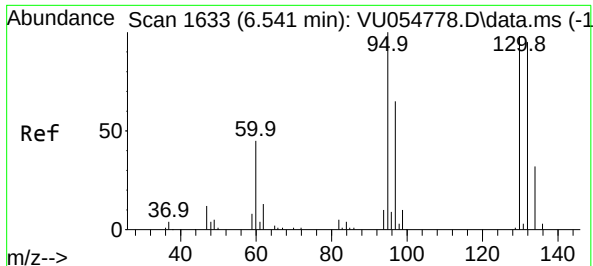
Tgt Ion:117 Resp: 95140
Ion Ratio Lower Upper
117 100
119 96.7 77.5 116.3



#33
Benzene
Concen: 4.831 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 78 Resp: 250785





#34

Trichloroethene

Concen: 4.813 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005091

Tgt Ion: 95 Resp: 69949

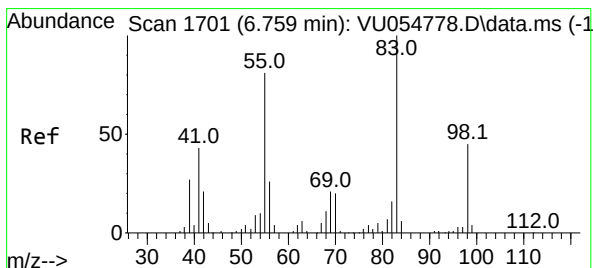
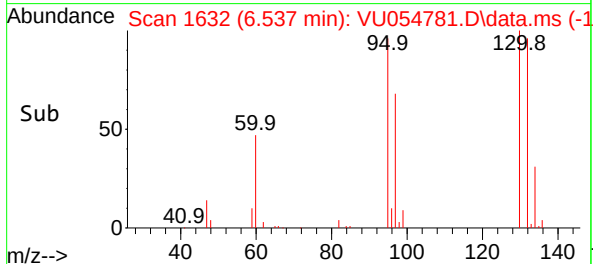
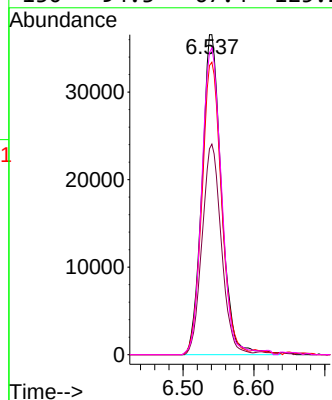
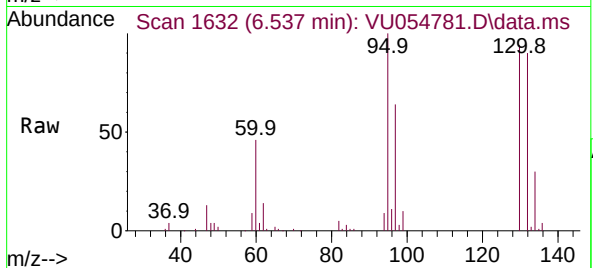
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 90.4 65.4 121.4

130 94.3 67.4 125.2



#35

Methylcyclohexane

Concen: 4.776 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

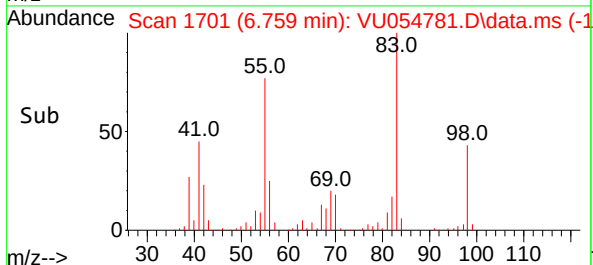
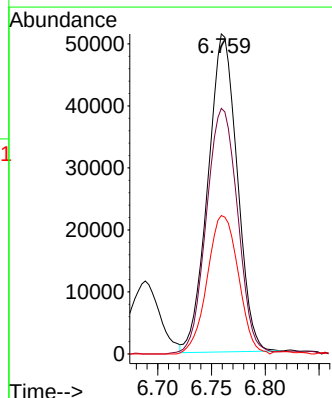
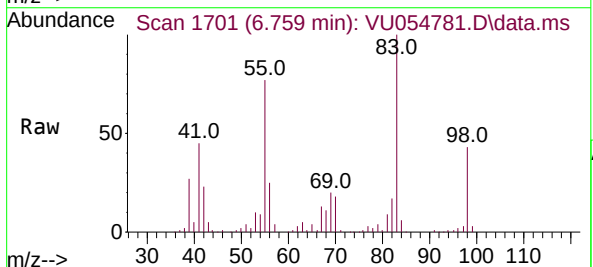
Tgt Ion: 83 Resp: 97054

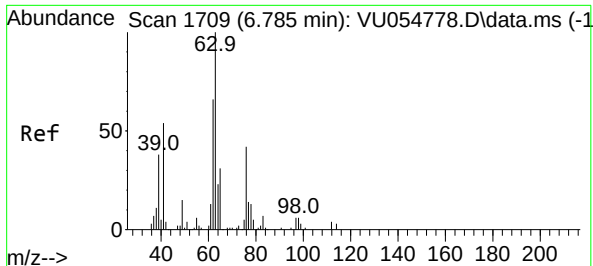
Ion Ratio Lower Upper

83 100

55 82.7 65.8 98.6

98 46.3 36.6 54.8

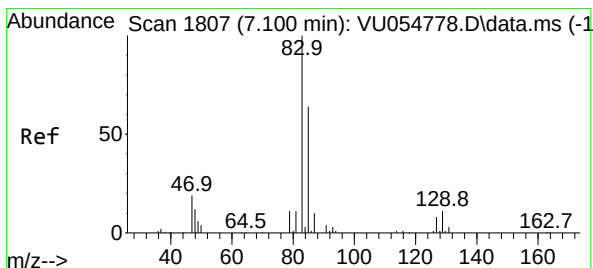
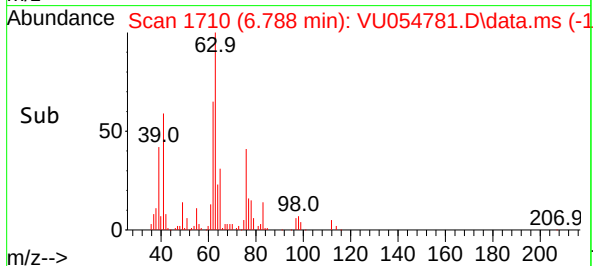
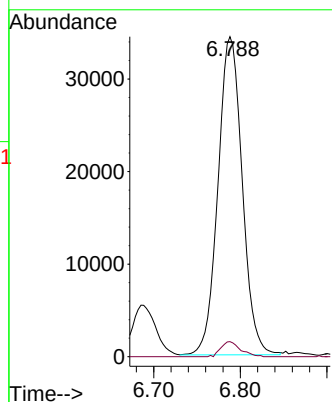
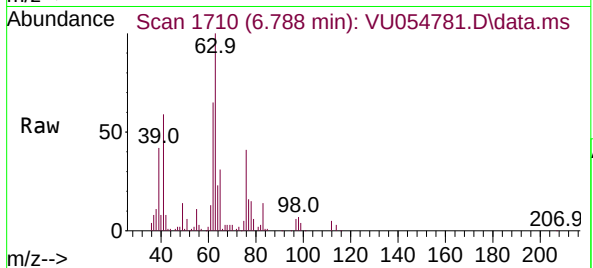




#37
1,2-Dichloropropane
Concen: 4.906 ug/L
RT: 6.788 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

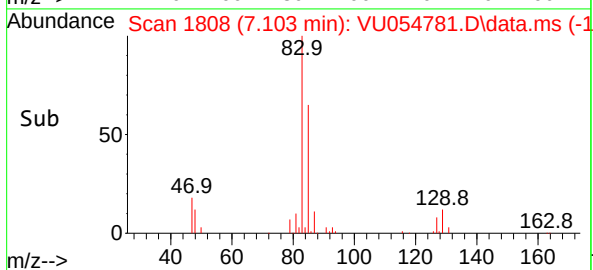
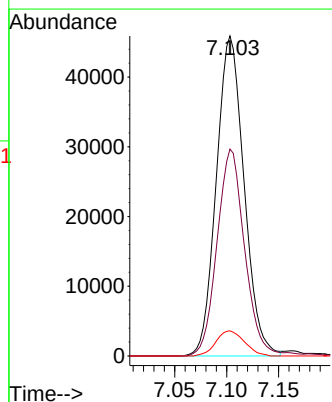
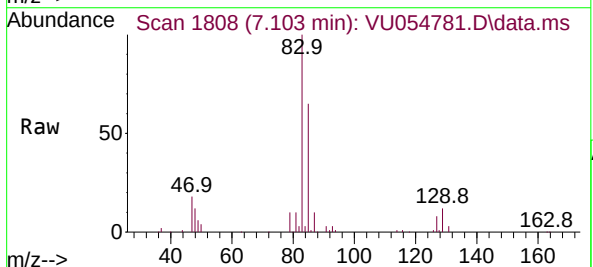
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

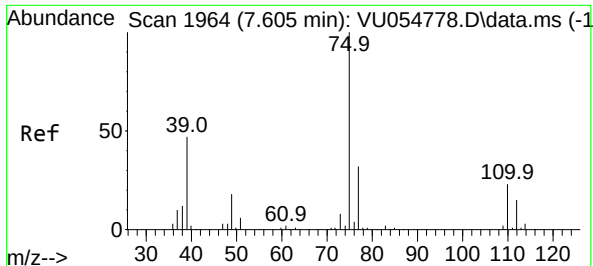
Tgt Ion: 63 Resp: 66841
Ion Ratio Lower Upper
63 100
112 3.8 2.6 4.0



#38
Bromodichloromethane
Concen: 4.868 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 83 Resp: 85200
Ion Ratio Lower Upper
83 100
85 64.7 46.7 86.7
127 7.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.655 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

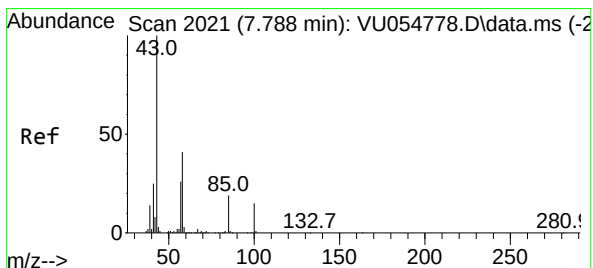
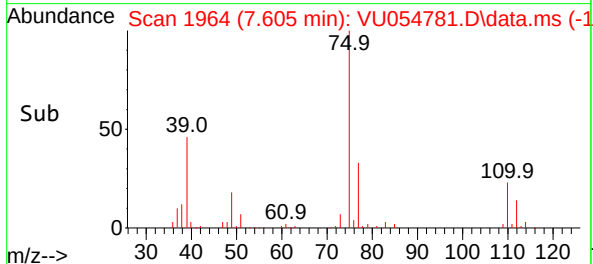
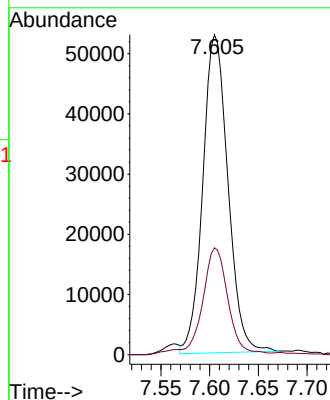
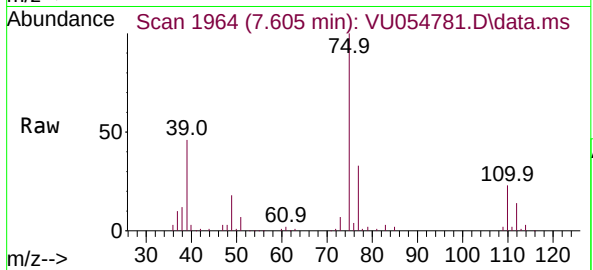
VSTD005091

Tgt Ion: 75 Resp: 94870

Ion Ratio Lower Upper

75 100

77 33.4 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 48.205 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

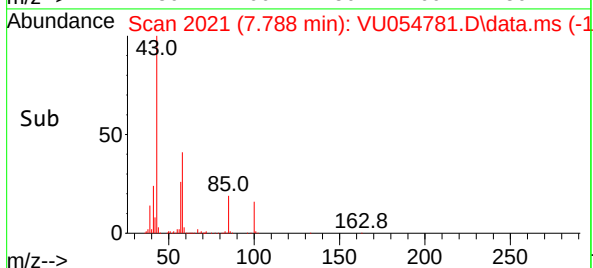
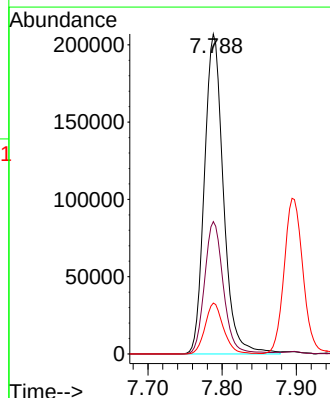
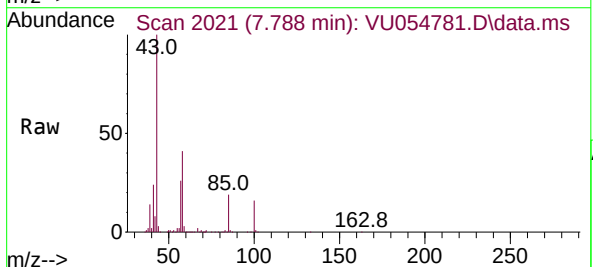
Tgt Ion: 43 Resp: 368090

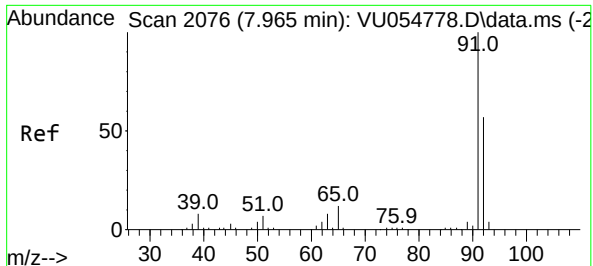
Ion Ratio Lower Upper

43 100

58 41.0 32.6 48.8

100 15.4 12.5 18.7





#42

Toluene

Concen: 4.971 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

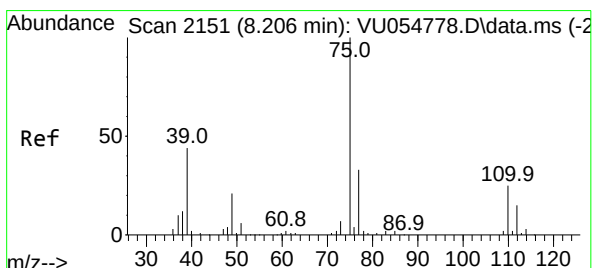
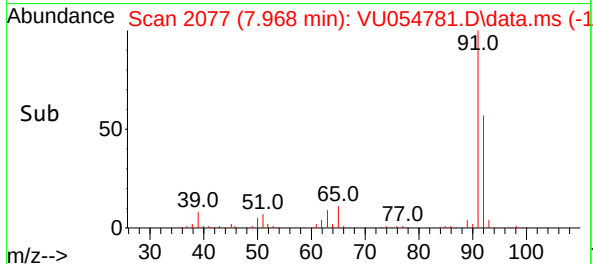
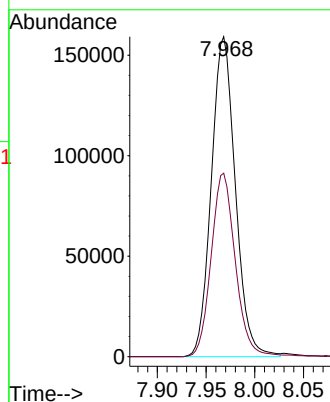
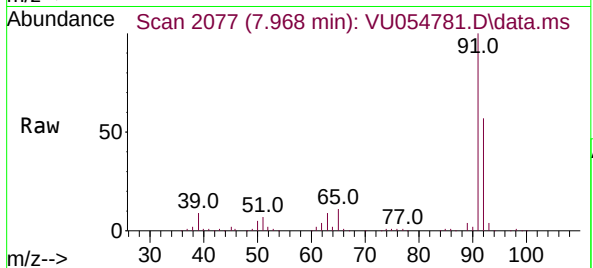
VSTD005091

Tgt Ion: 91 Resp: 273547

Ion Ratio Lower Upper

91 100

92 57.4 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 4.929 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054781.D

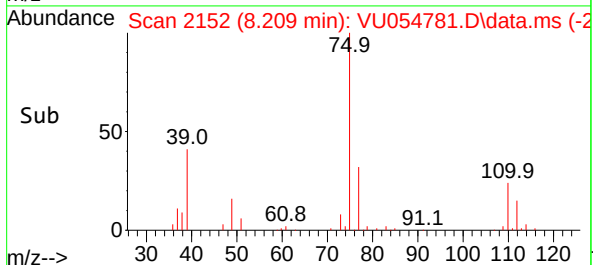
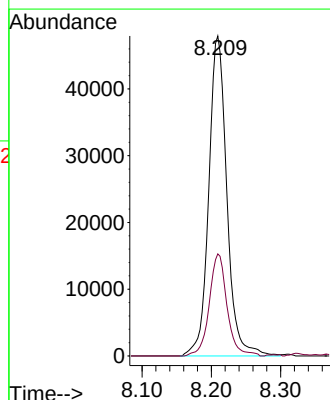
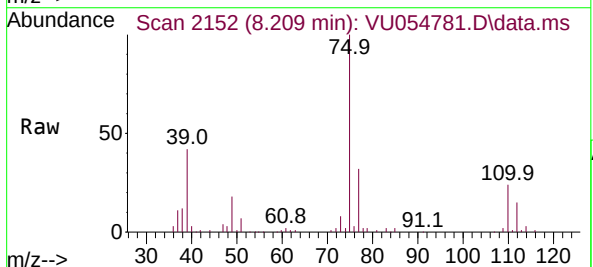
Acq: 12 Jul 2023 12:49

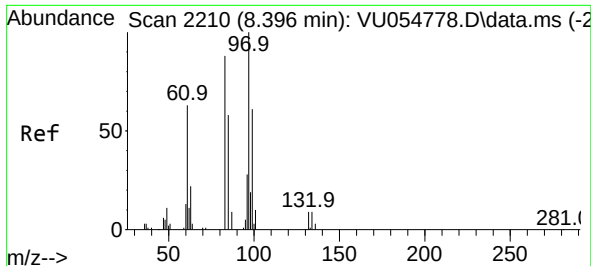
Tgt Ion: 75 Resp: 86842

Ion Ratio Lower Upper

75 100

77 31.9 20.2 37.6



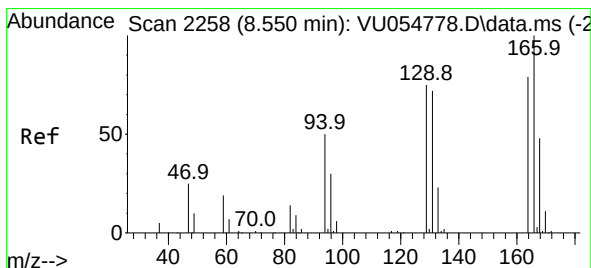
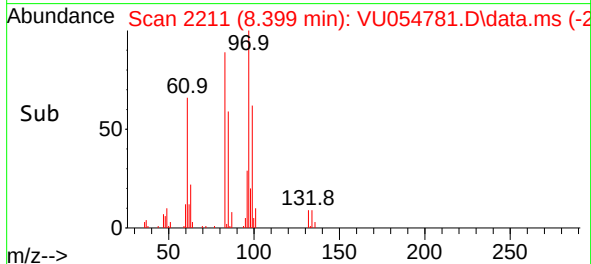
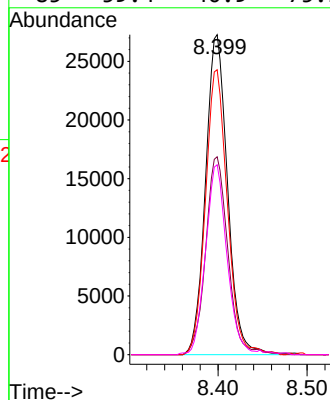
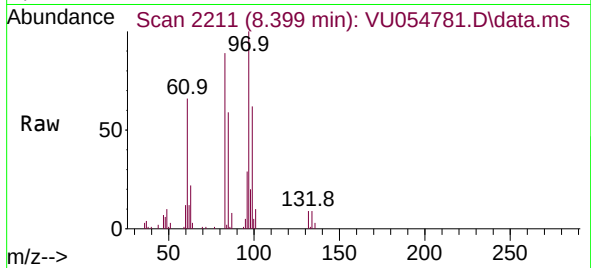


#45
1,1,2-Trichloroethane
Concen: 4.795 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

Tgt Ion: 97 Resp: 46776

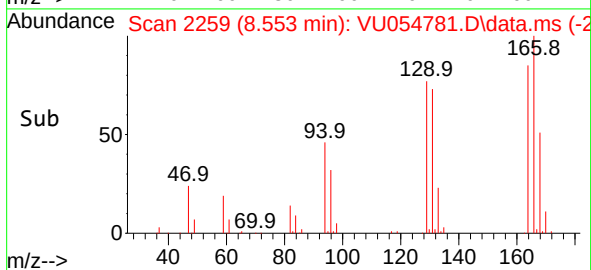
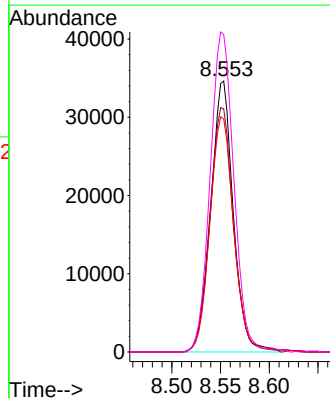
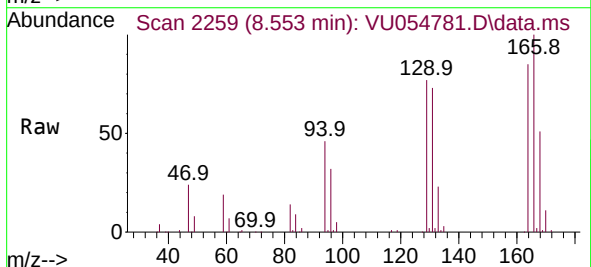
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.7	83.1
83	89.0	65.2	121.0
85	59.4	40.9	75.9

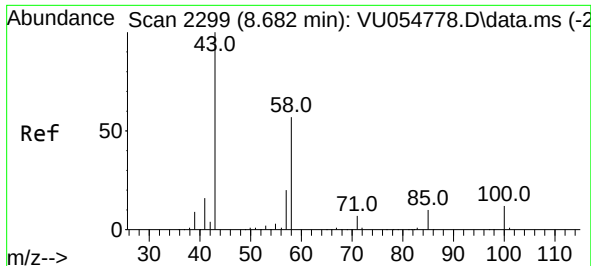


#47
Tetrachloroethene
Concen: 4.723 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 164 Resp: 55591

Ion	Ratio	Lower	Upper
164	100		
129	89.8	66.6	123.8
131	85.9	61.5	114.3
166	117.2	88.3	163.9



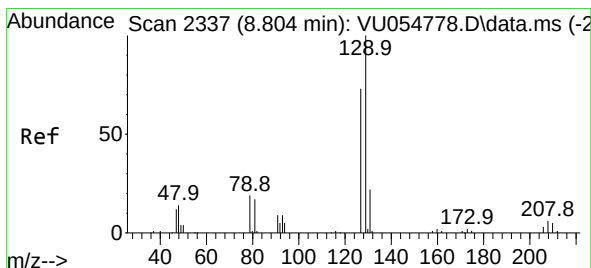
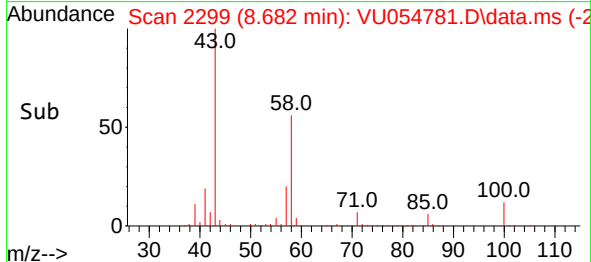
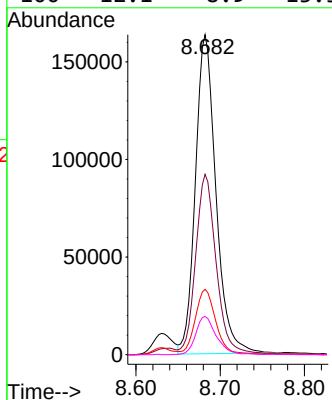
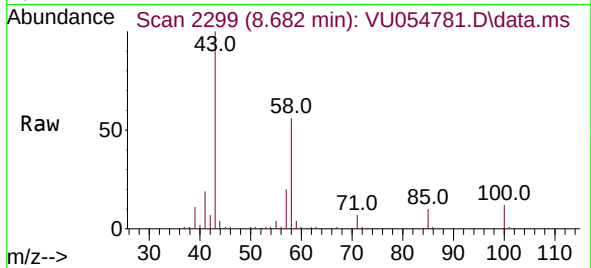


#48
2-Hexanone
Concen: 50.460 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

Tgt Ion: 43 Resp: 277455

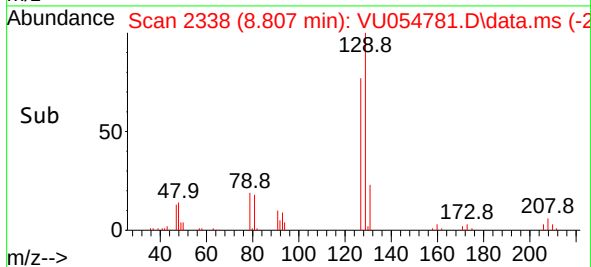
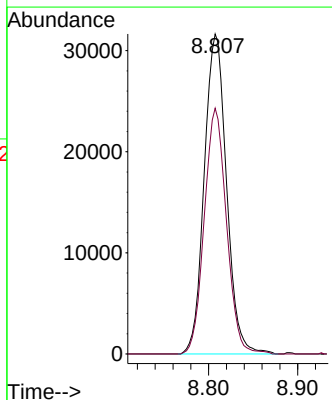
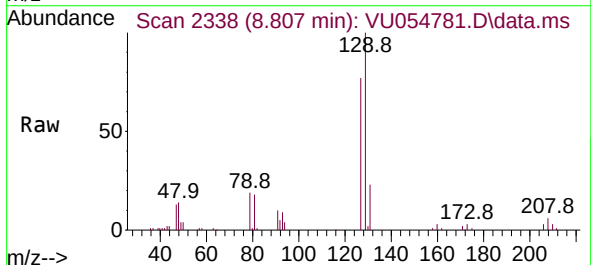
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.2	67.8
57	20.3	15.7	23.5
100	12.1	8.9	13.3

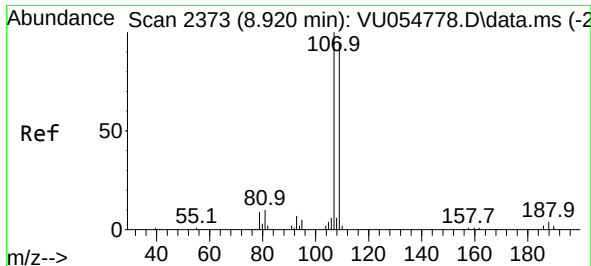


#49
Dibromochloromethane
Concen: 4.837 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 129 Resp: 54925

Ion	Ratio	Lower	Upper
129	100		
127	76.8	55.6	103.4





#50

1,2-Dibromoethane

Concen: 4.730 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005091

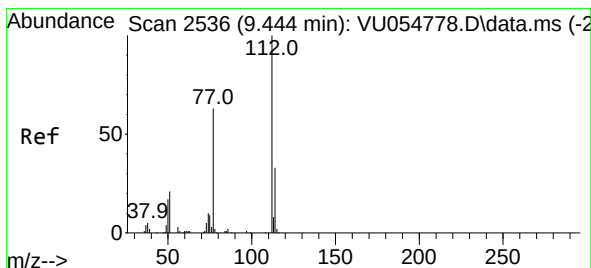
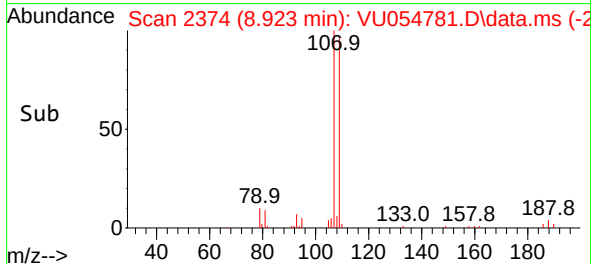
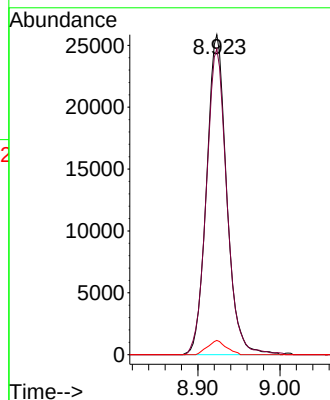
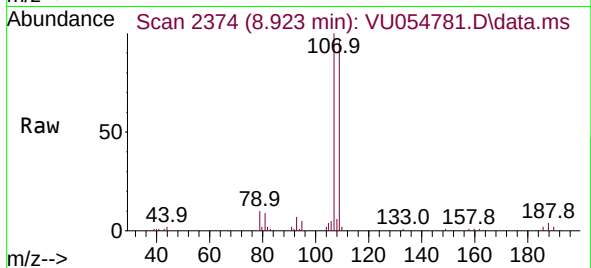
Tgt Ion:107 Resp: 44032

Ion Ratio Lower Upper

107 100

109 95.5 66.5 123.5

188 4.4 3.3 4.9



#51

Chlorobenzene

Concen: 4.811 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

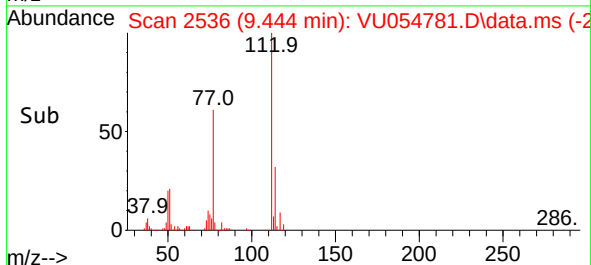
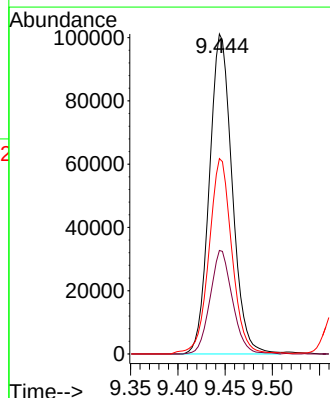
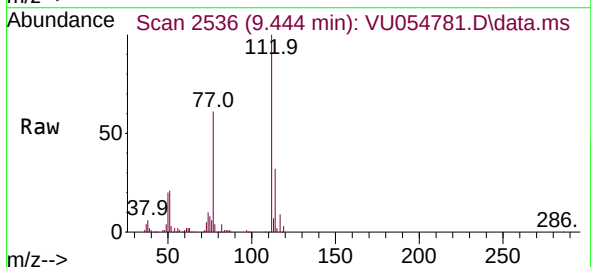
Tgt Ion:112 Resp: 169585

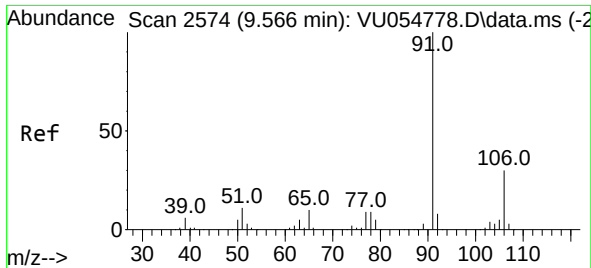
Ion Ratio Lower Upper

112 100

114 32.3 22.9 42.5

77 61.0 47.3 70.9

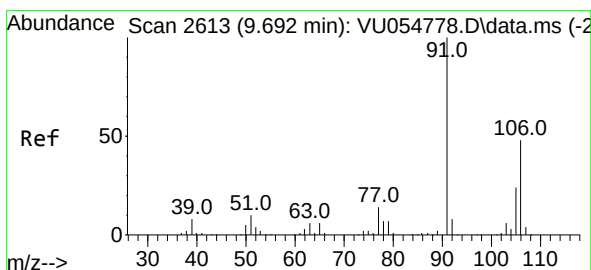
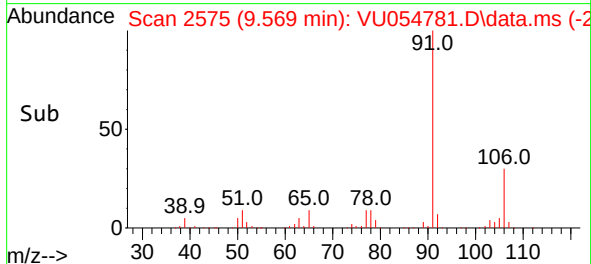
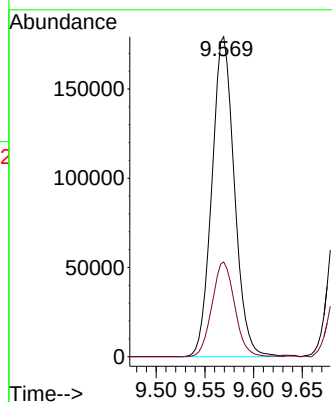
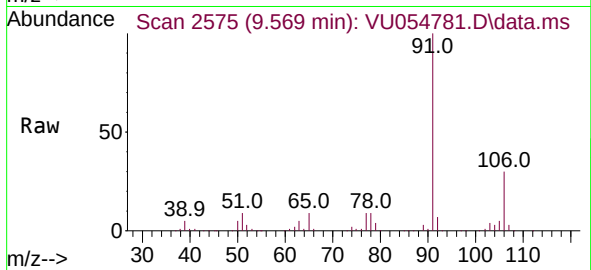




#52
Ethylbenzene
Concen: 4.888 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

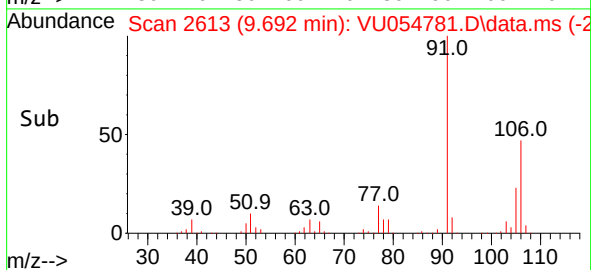
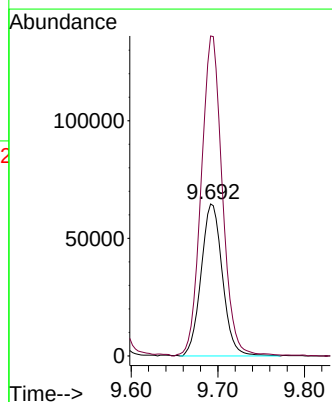
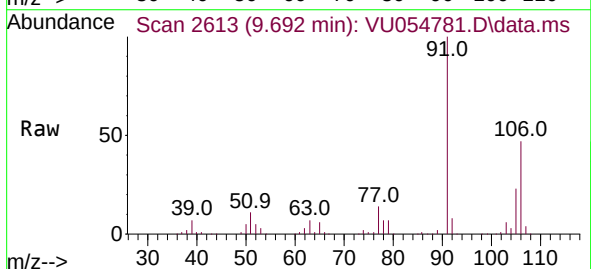
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

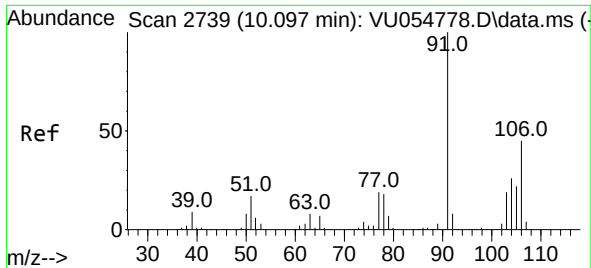
Tgt Ion: 91 Resp: 287898
Ion Ratio Lower Upper
91 100
106 29.6 21.6 40.0



#53
m,p-Xylene
Concen: 4.911 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 106 Resp: 110502
Ion Ratio Lower Upper
106 100
91 210.6 148.8 276.4

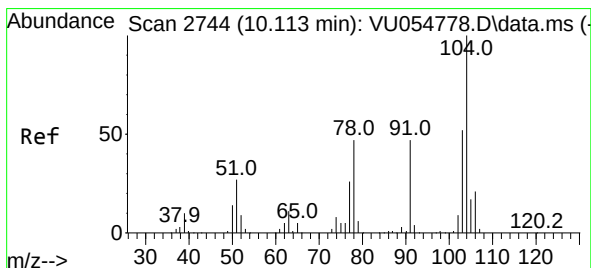
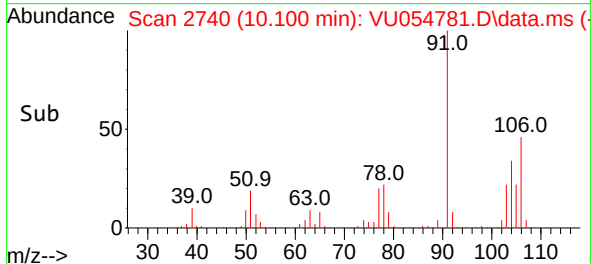
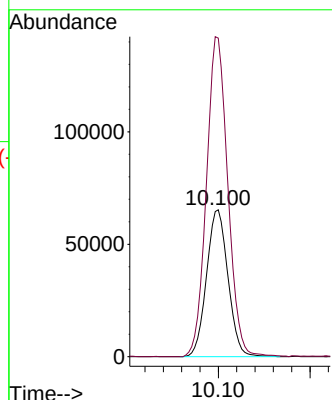
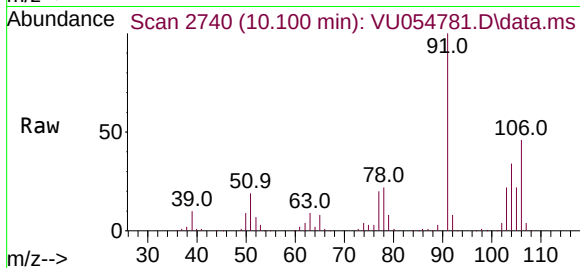




#54
o-Xylene
Concen: 5.049 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

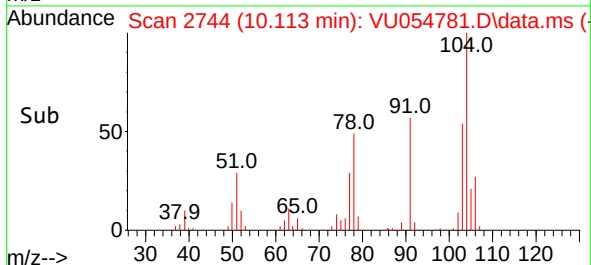
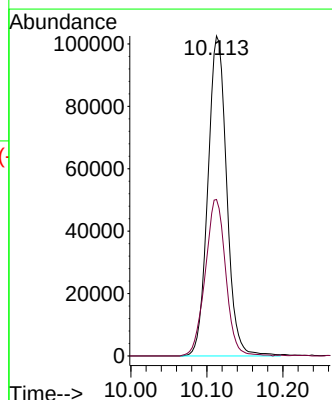
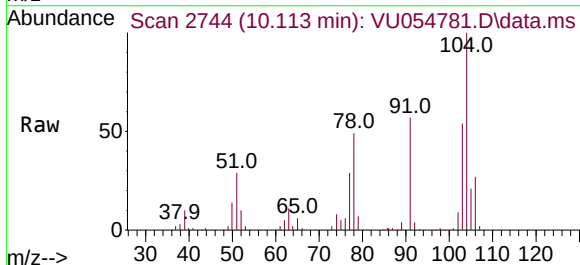
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

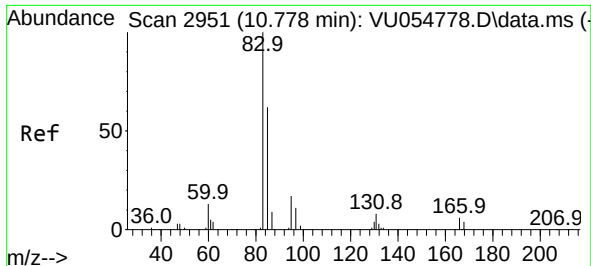
Tgt Ion:106 Resp: 106106
Ion Ratio Lower Upper
106 100
91 216.9 156.8 291.2



#55
Styrene
Concen: 4.966 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion:104 Resp: 176440
Ion Ratio Lower Upper
104 100
78 48.9 32.5 60.3

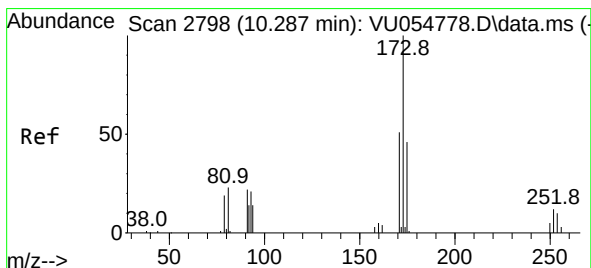
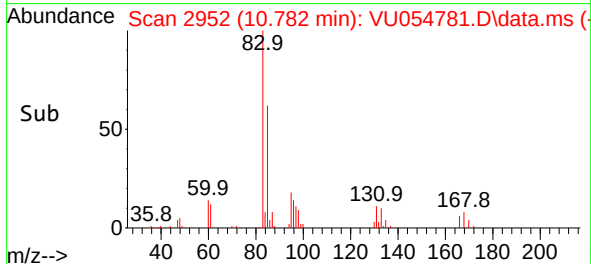
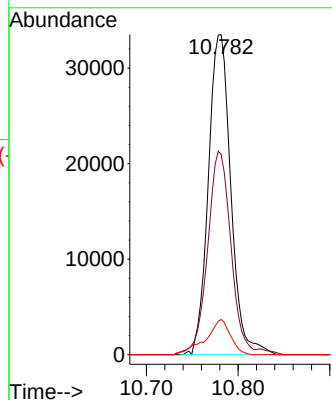
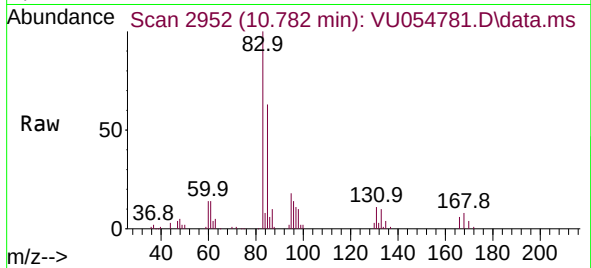




#57
1,1,2,2-Tetrachloroethane
Concen: 4.805 ug/L
RT: 10.782 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

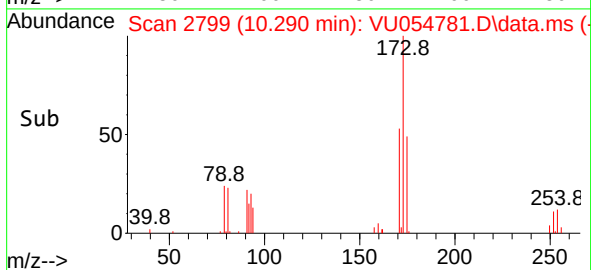
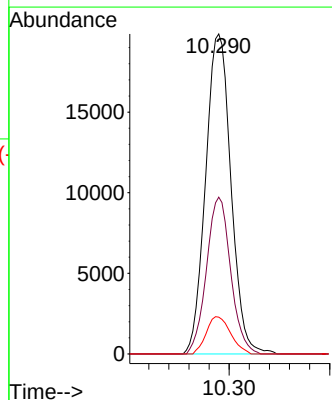
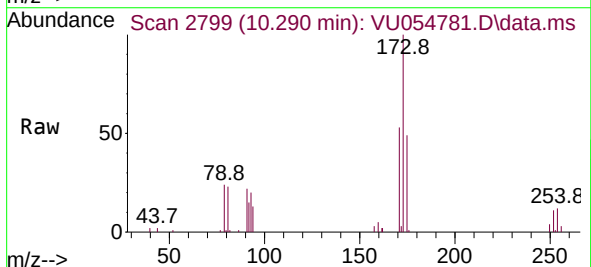
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

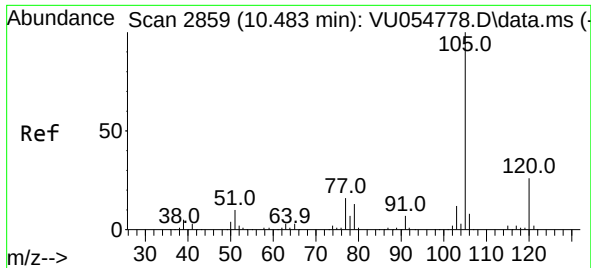
Tgt Ion: 83 Resp: 57150
Ion Ratio Lower Upper
83 100
85 62.6 45.5 84.5
131 11.0 8.6 13.0



#59
Bromoform
Concen: 5.007 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 173 Resp: 34746
Ion Ratio Lower Upper
173 100
175 46.7 38.1 57.1
254 11.2 7.8 11.6

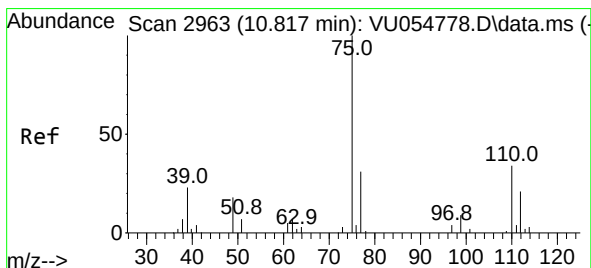
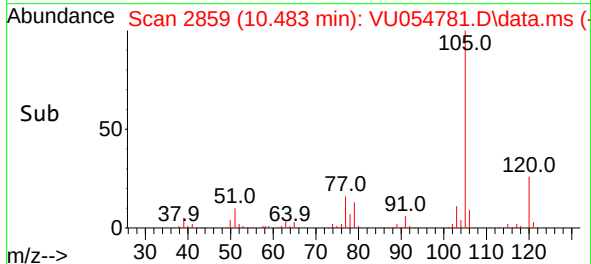
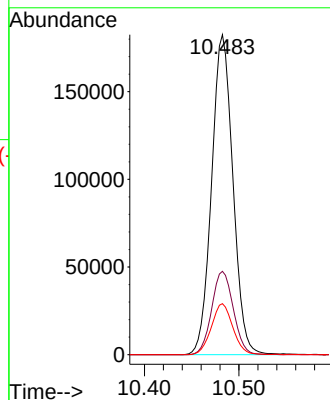
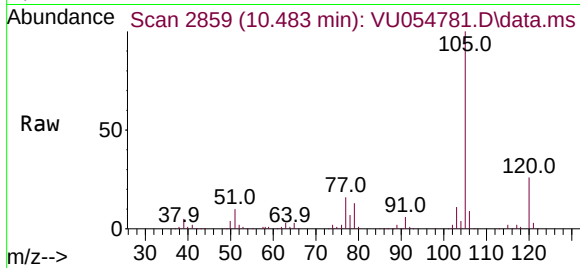




#60
Isopropylbenzene
Concen: 5.189 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

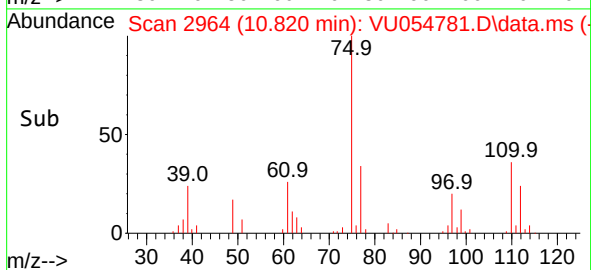
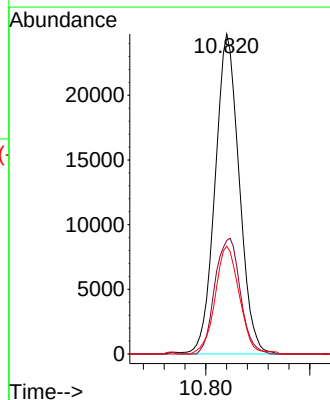
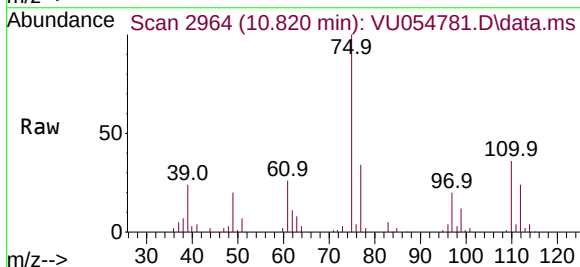
Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

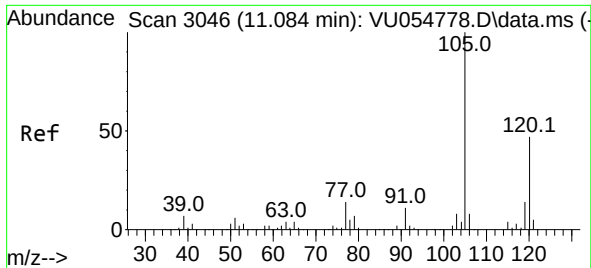
Tgt Ion:105 Resp: 285615
Ion Ratio Lower Upper
105 100
120 26.5 20.8 31.2
77 16.1 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.611 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion: 75 Resp: 39859
Ion Ratio Lower Upper
75 100
110 37.9 29.8 44.6
77 33.9 26.6 39.8





#62

1,3,5-Trimethylbenzene

Concen: 5.082 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

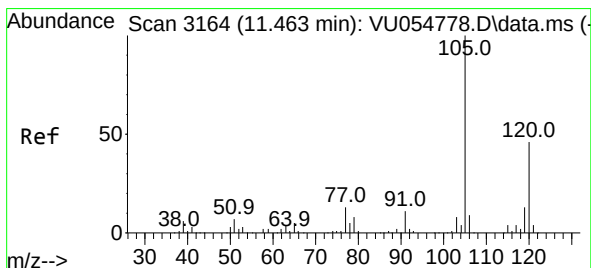
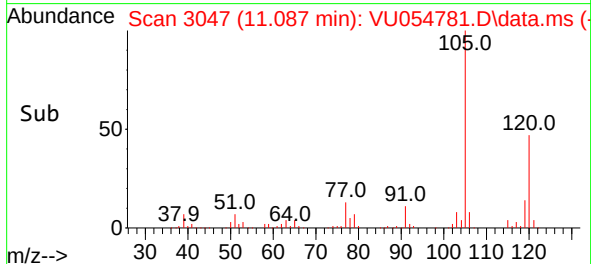
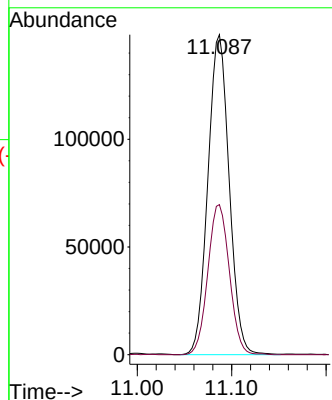
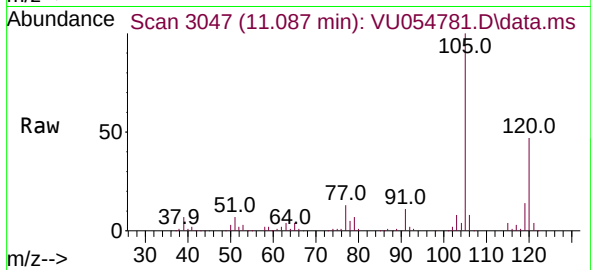
VSTD005091

Tgt Ion:105 Resp: 232069

Ion Ratio Lower Upper

105 100

120 47.5 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 5.214 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU054781.D

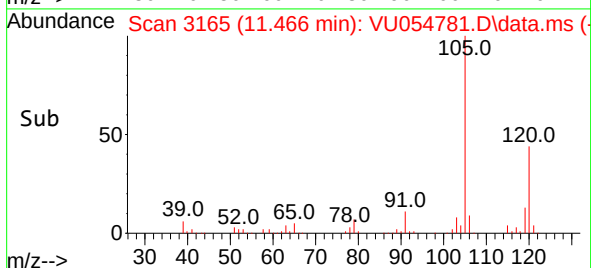
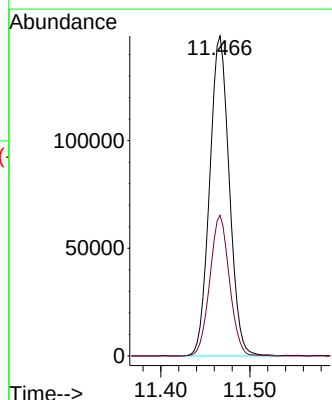
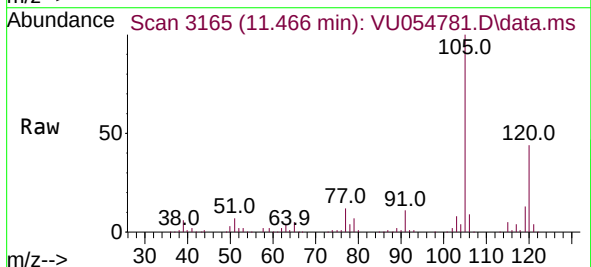
Acq: 12 Jul 2023 12:49

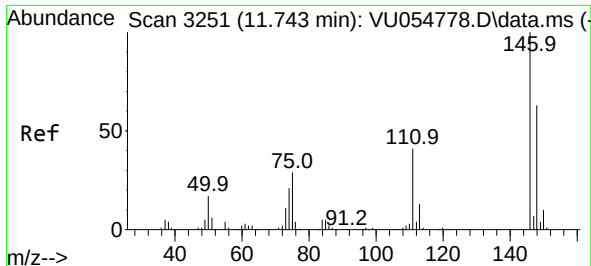
Tgt Ion:105 Resp: 227524

Ion Ratio Lower Upper

105 100

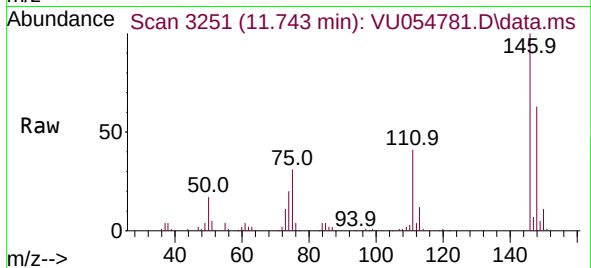
120 43.9 35.2 52.8



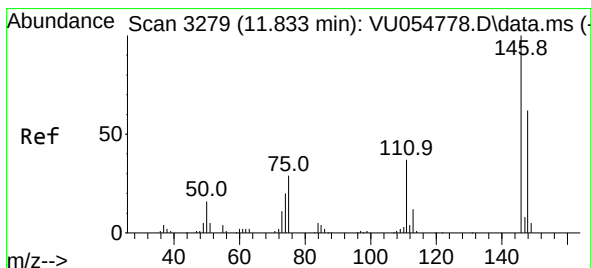
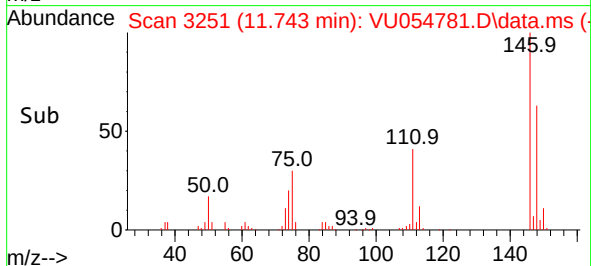
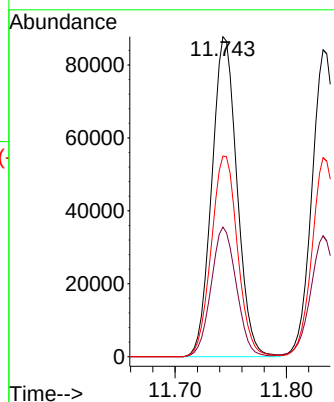


#64
1,3-Dichlorobenzene
Concen: 4.985 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

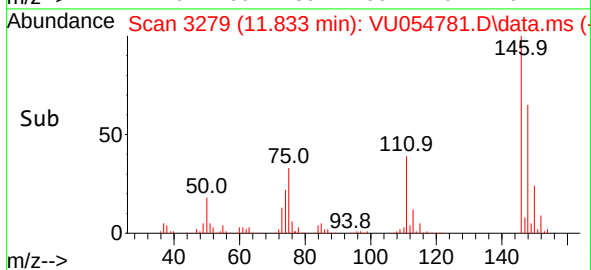
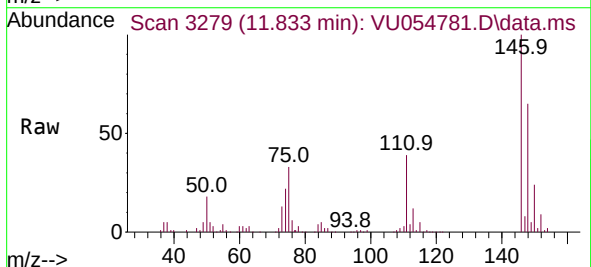
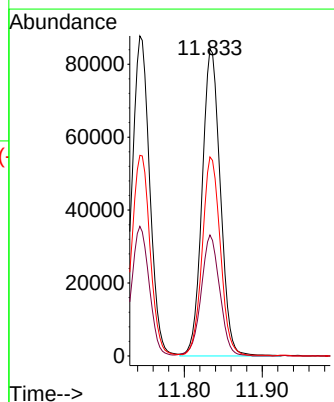


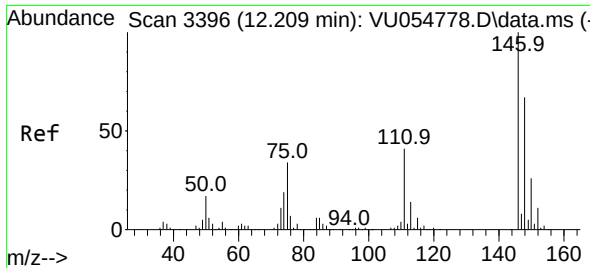
Tgt Ion:146 Resp: 138163
Ion Ratio Lower Upper
146 100
111 40.5 27.5 51.1
148 62.7 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 4.959 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion:146 Resp: 136896
Ion Ratio Lower Upper
146 100
111 39.4 25.7 47.7
148 64.9 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 4.970 ug/L

RT: 12.212 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005091

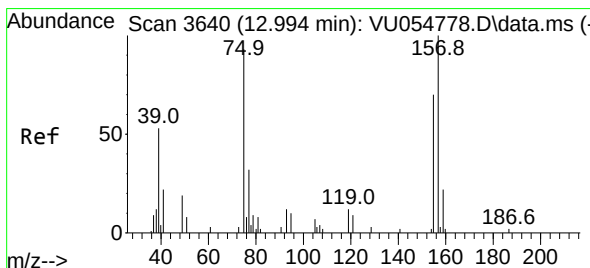
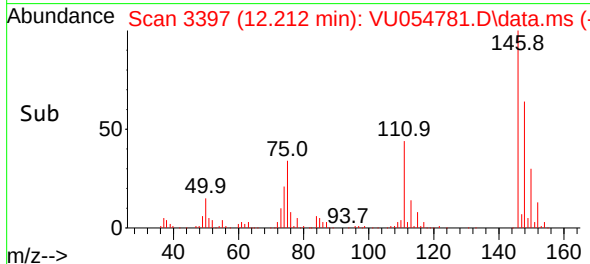
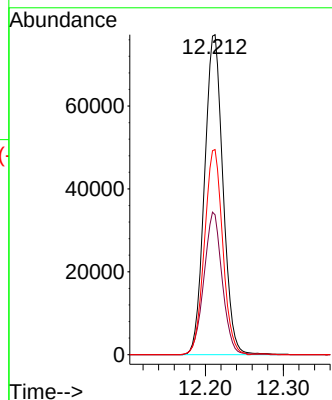
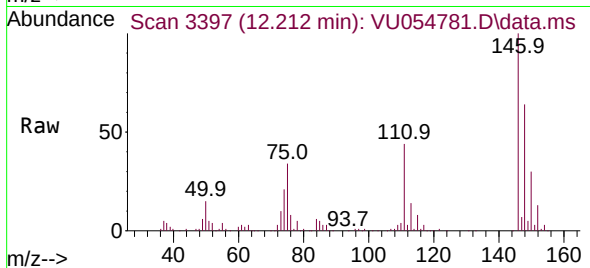
Tgt Ion:146 Resp: 126604

Ion Ratio Lower Upper

146 100

111 43.7 32.4 48.6

148 64.1 53.2 79.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.569 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

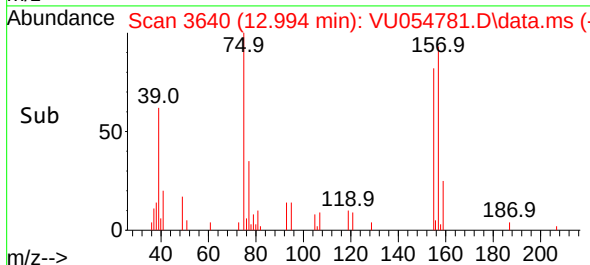
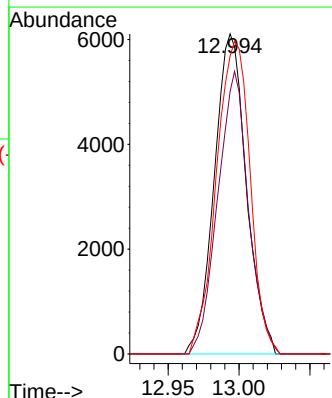
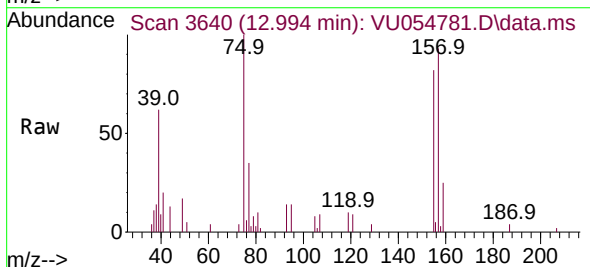
Tgt Ion: 75 Resp: 9611

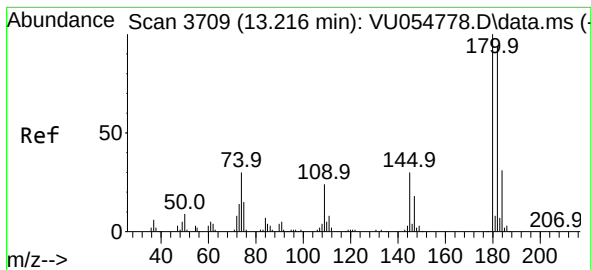
Ion Ratio Lower Upper

75 100

155 82.1 62.9 94.3

157 93.1 83.4 125.0





#69

1,3,5-Trichlorobenzene

Concen: 4.971 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005091

Tgt Ion:180 Resp: 102977

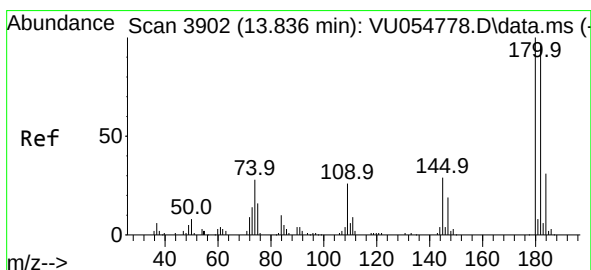
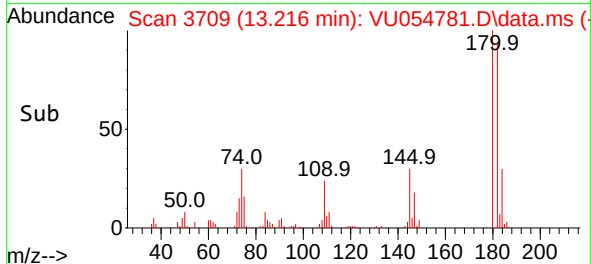
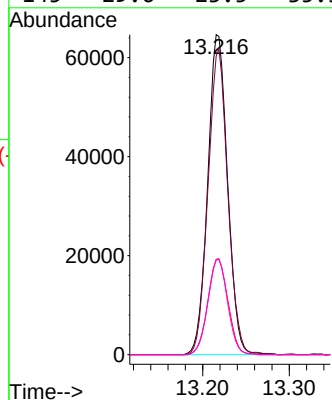
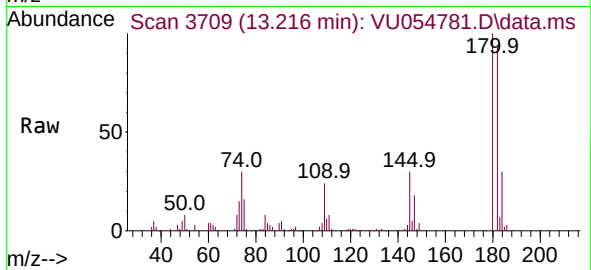
Ion Ratio Lower Upper

180 100

182 94.9 74.6 111.8

184 30.5 24.9 37.3

145 29.6 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.866 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU054781.D

Acq: 12 Jul 2023 12:49

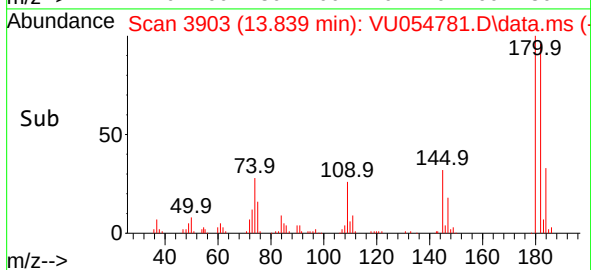
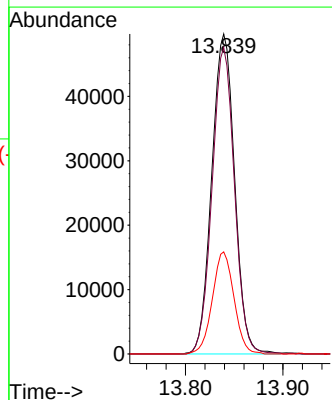
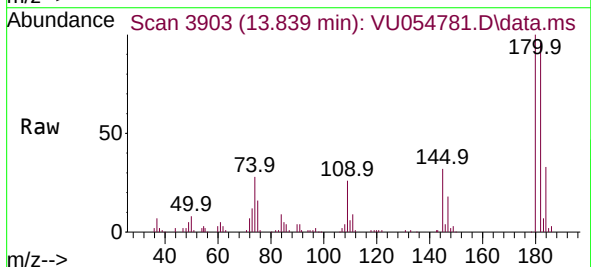
Tgt Ion:180 Resp: 80995

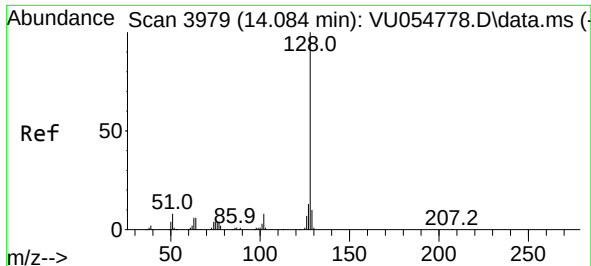
Ion Ratio Lower Upper

180 100

182 93.6 76.5 114.7

145 30.2 23.4 35.2

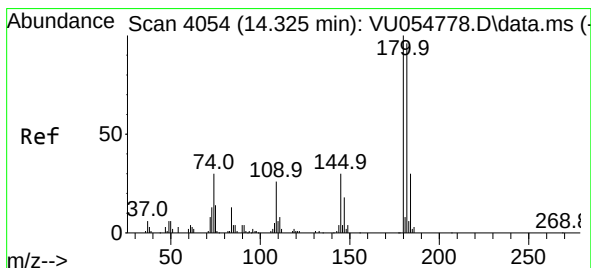
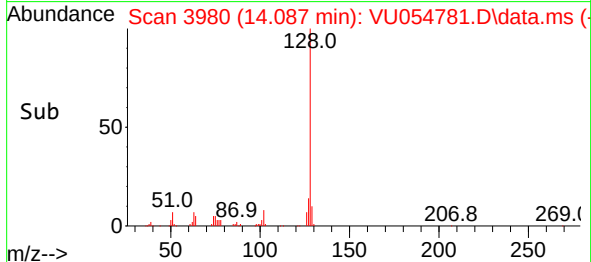
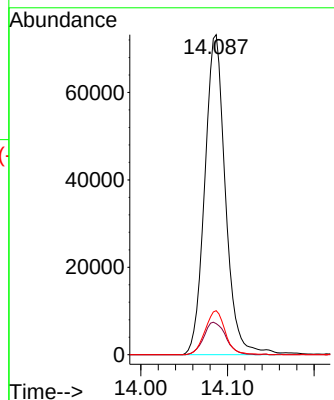
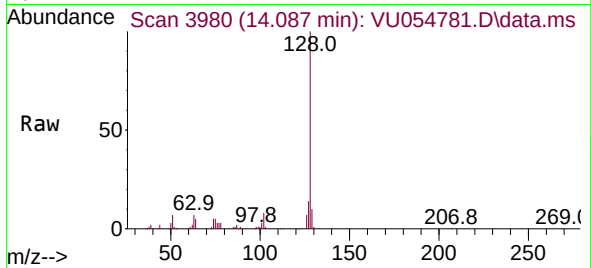




#71
Naphthalene
Concen: 4.618 ug/L
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005091

Tgt Ion:128 Resp: 121376
Ion Ratio Lower Upper
128 100
129 10.8 8.3 12.5
127 13.4 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 4.844 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054781.D
Acq: 12 Jul 2023 12:49

Tgt Ion:180 Resp: 72100
Ion Ratio Lower Upper
180 100
182 95.2 76.9 115.3
145 31.3 25.4 38.0

