

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071223\
 Data File : VU054778.D
 Acq On : 12 Jul 2023 09:08
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

Quant Time: Jul 13 05:23:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 08 07:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	239093	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	227816	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	116101	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80334	4.452	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.907	69	67683	4.483	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.560	65	32759	4.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.628	46	178990	43.654	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.300%
24) Chloroform-d	5.058	84	149369	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.698	65	76637	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	5.724	84	285594	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.685	67	87809	4.578	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.894	98	270421	4.798	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.177	79	34532	4.474	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.631	63	128008	43.291	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	69843	4.519	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	97209	4.806	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	93112	5.014	ug/L	99
3) Chloromethane	1.518	50	100180	4.830	ug/L	100
5) Vinyl chloride	1.602	62	100354	4.978	ug/L	100
6) Bromomethane	1.853	94	58842	4.803	ug/L	99
8) Chloroethane	1.930	64	56529	4.902	ug/L	98
9) Trichlorofluoromethane	2.132	101	133164	5.069	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	67764	5.164	ug/L	97
12) 1,1-Dichloroethene	2.573	96	62642	5.121	ug/L	91
13) Acetone	2.637	43	100637	47.001	ug/L	99
14) Carbon disulfide	2.788	76	208239	5.056	ug/L	100
15) Methyl Acetate	2.952	43	23360	4.411	ug/L	97
16) Methylene chloride	3.039	84	73212	4.044	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	140046	4.852	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	64642	5.132	ug/L	97
19) 1,1-Dichloroethane	3.862	63	125756	5.150	ug/L	95
21) 2-Butanone	4.705	43	153430	47.551	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	69858	5.094	ug/L	99
23) Bromochloromethane	4.968	128	30938	5.072	ug/L	94
25) Chloroform	5.081	83	127838	4.995	ug/L	96

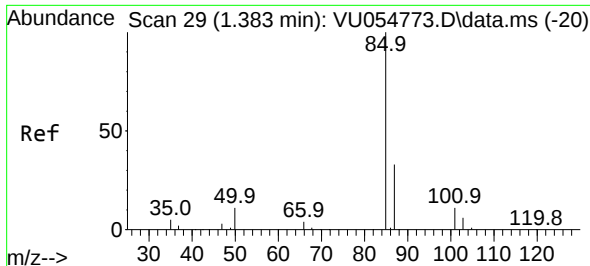
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071223\
 Data File : VU054778.D
 Acq On : 12 Jul 2023 09:08
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

Quant Time: Jul 13 05:23:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 08 07:50:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	80223	4.852	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	115742	5.265	ug/L	98
30) Cyclohexane	5.383	56	103725	5.304	ug/L	99
31) Carbon tetrachloride	5.518	117	101087	5.124	ug/L	99
33) Benzene	5.769	78	272952	5.322	ug/L	100
34) Trichloroethene	6.541	95	72037	5.018	ug/L	99
35) Methylcyclohexane	6.759	83	106056	5.284	ug/L	100
37) 1,2-Dichloropropane	6.785	63	71904	5.342	ug/L	98
38) Bromodichloromethane	7.100	83	89575	5.180	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	103247	5.128	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	360210	47.752	ug/L	99
42) Toluene	7.965	91	288216	5.302	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	86550	4.972	ug/L	92
45) 1,1,2-Trichloroethane	8.396	97	48901	5.074	ug/L	96
47) Tetrachloroethene	8.550	164	59689	5.134	ug/L	99
48) 2-Hexanone	8.682	43	260226	47.907	ug/L	97
49) Dibromochloromethane	8.804	129	57046	5.085	ug/L	93
50) 1,2-Dibromoethane	8.920	107	44668	4.857	ug/L	100
51) Chlorobenzene	9.444	112	177455	5.096	ug/L	96
52) Ethylbenzene	9.566	91	300394	5.162	ug/L	99
53) m,p-Xylene	9.692	106	116299	5.232	ug/L	98
54) o-Xylene	10.097	106	110642	5.329	ug/L	98
55) Styrene	10.113	104	185488	5.284	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	56752	4.830	ug/L	98
59) Bromoform	10.287	173	34758	5.118	ug/L	99
60) Isopropylbenzene	10.483	105	295934	5.493	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	40802	4.823	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	242774	5.432	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	237924	5.571	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	144673	5.333	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	143482	5.310	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	132167	5.301	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	9541	4.634	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	107880	5.320	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	83901	5.150	ug/L	98
71) Naphthalene	14.084	128	119640	4.650	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	72394	4.970	ug/L	100

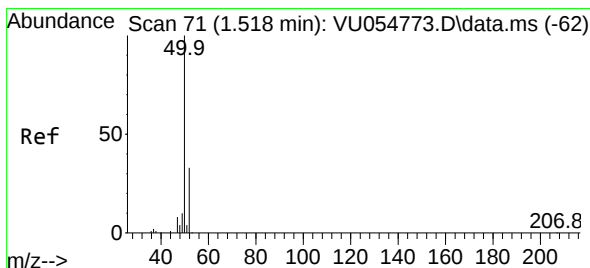
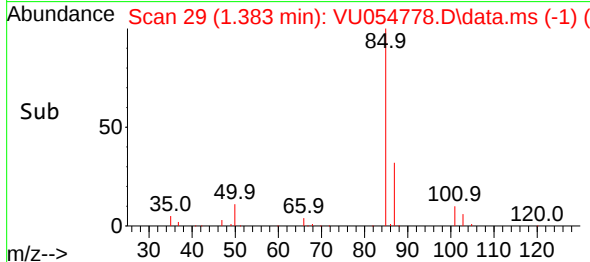
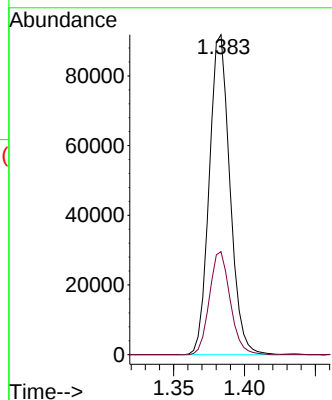
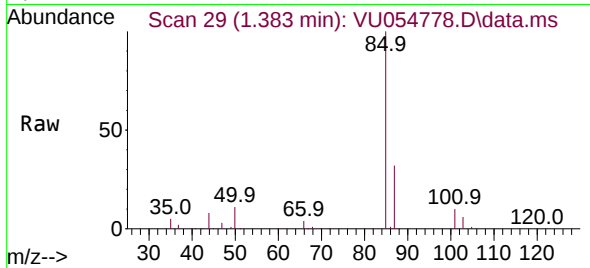
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.014 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

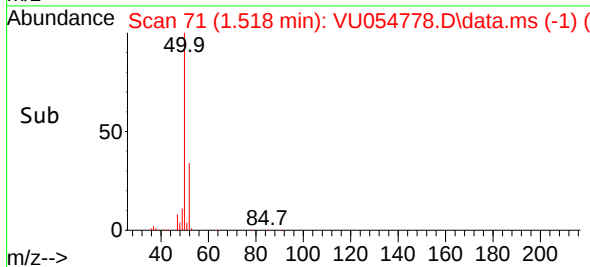
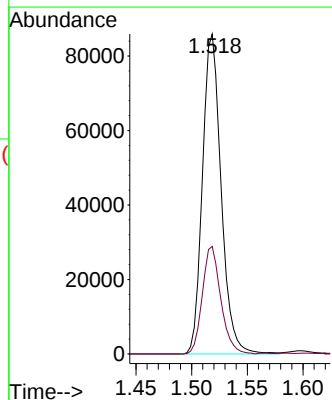
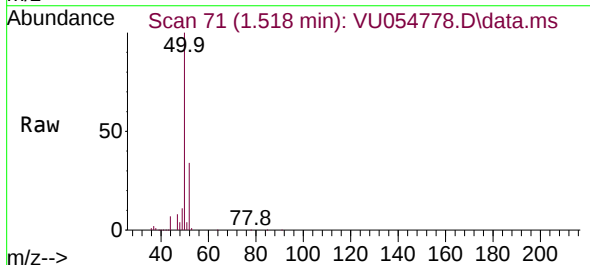
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

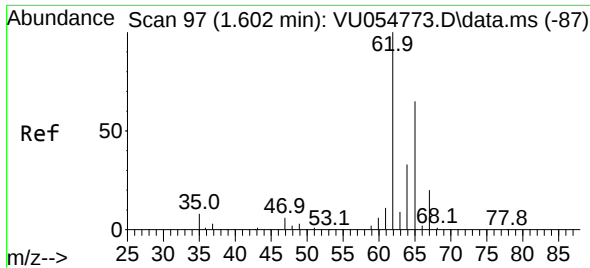
Tgt Ion: 85 Resp: 93112
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.2 39.2



#3
 Chloromethane
 Concen: 4.830 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

Tgt Ion: 50 Resp: 100180
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.4 43.6

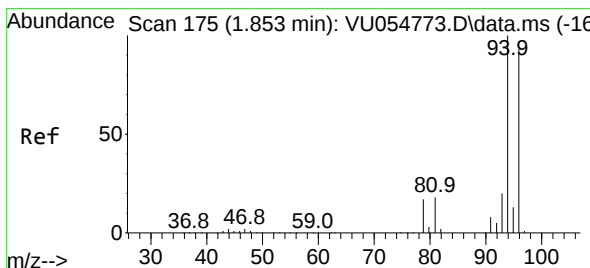
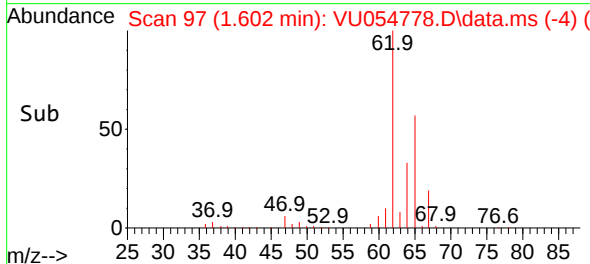
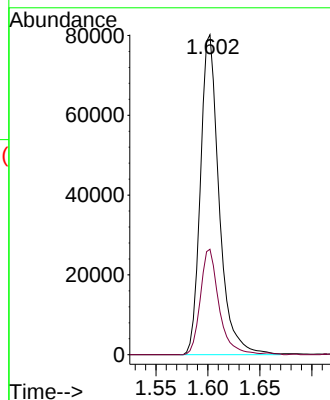
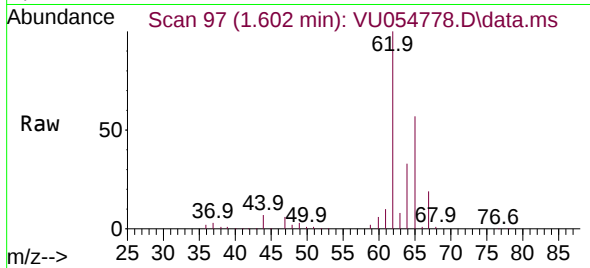




#5
 Vinyl chloride
 Concen: 4.978 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

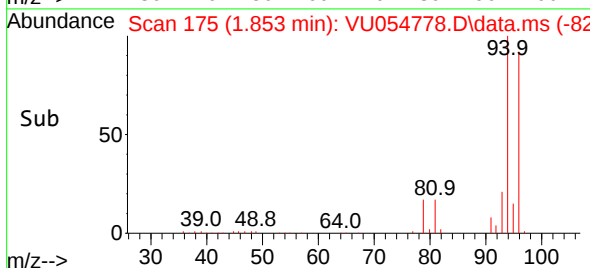
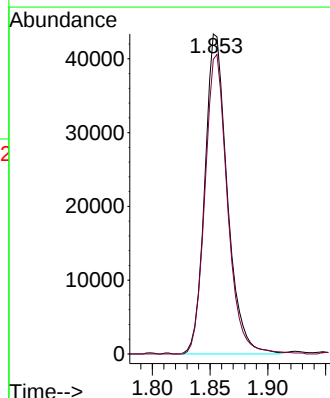
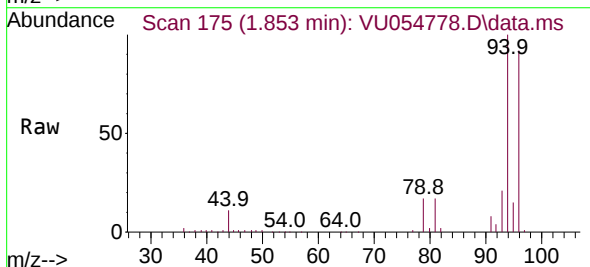
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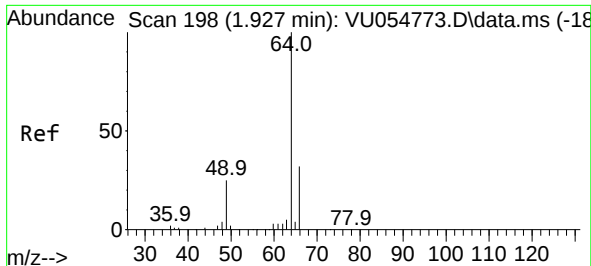
Tgt Ion: 62 Resp: 100354
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.0



#6
 Bromomethane
 Concen: 4.803 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

Tgt Ion: 94 Resp: 58842
 Ion Ratio Lower Upper
 94 100
 96 92.1 65.0 120.6

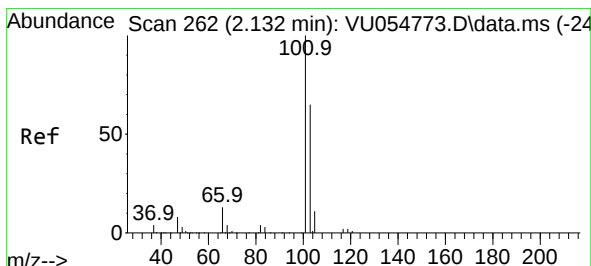
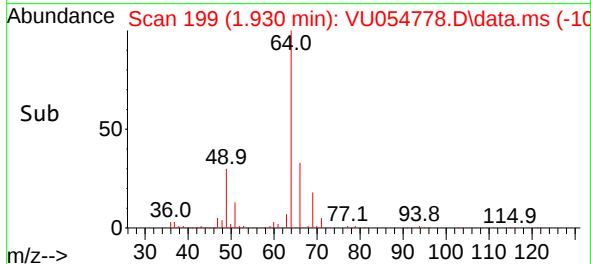
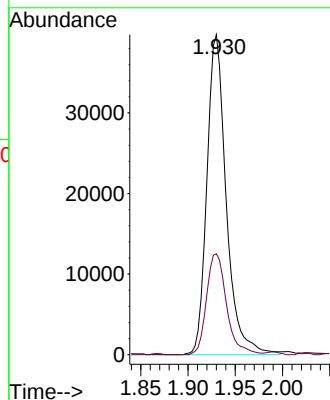
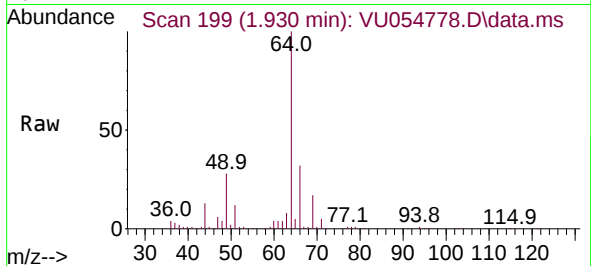




#8
Chloroethane
Concen: 4.902 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

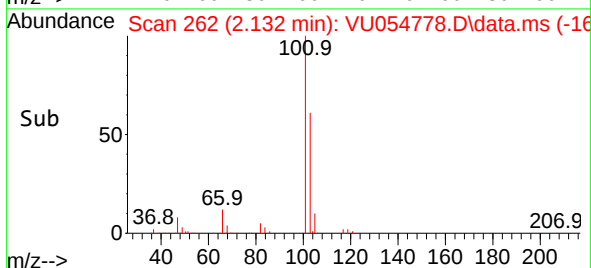
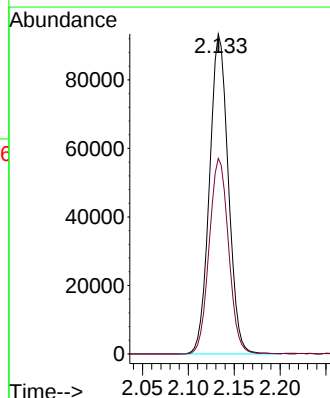
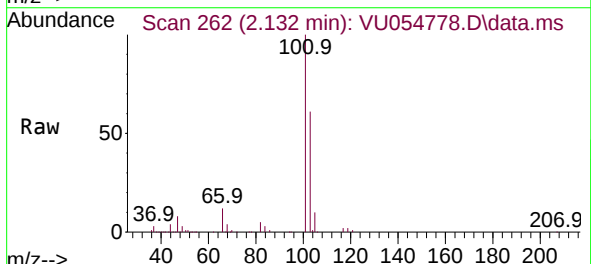
Instrument :
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ClientSampleId :
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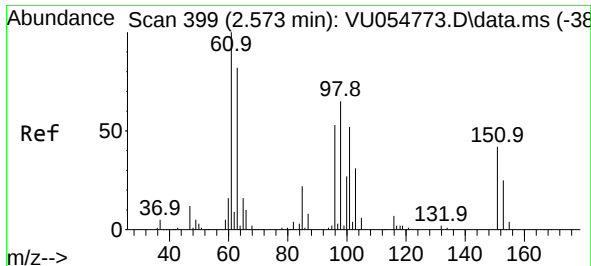
Tgt Ion: 64 Resp: 56529
Ion Ratio Lower Upper
64 100
66 31.6 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.069 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 101 Resp: 133164
Ion Ratio Lower Upper
101 100
103 62.8 51.8 77.8

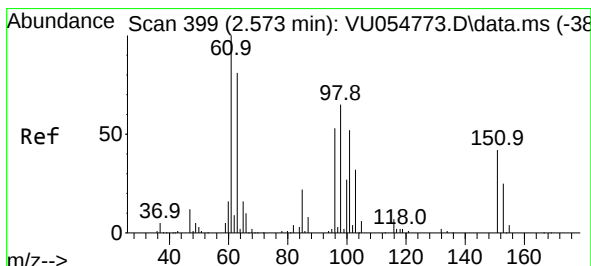
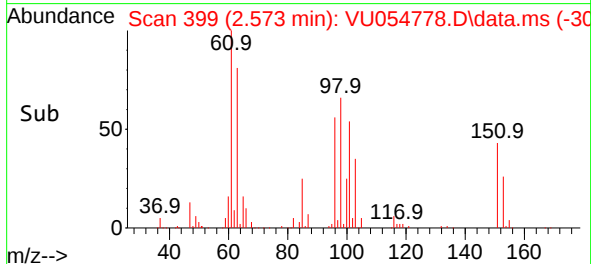
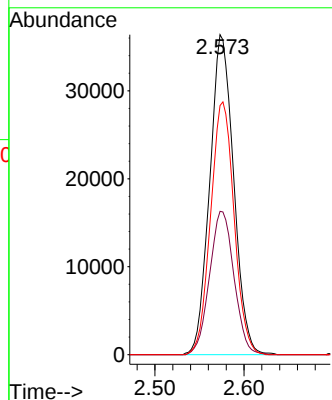
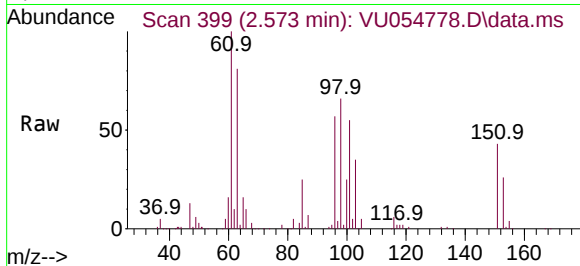




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.164 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

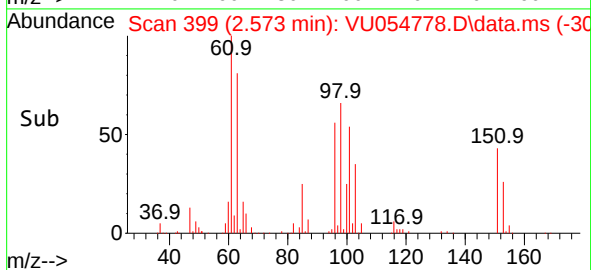
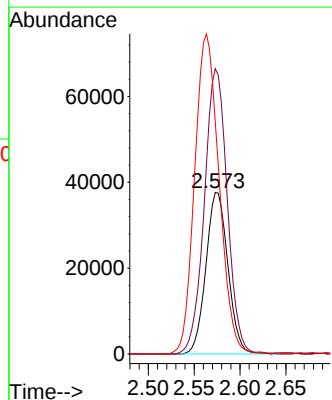
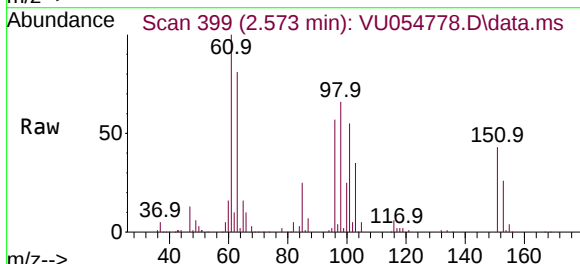
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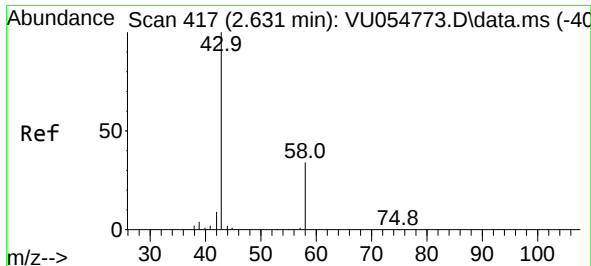
Tgt Ion:101 Resp: 67764
 Ion Ratio Lower Upper
 101 100
 85 45.8 34.5 51.7
 151 77.7 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 5.121 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

Tgt Ion: 96 Resp: 62642
 Ion Ratio Lower Upper
 96 100
 61 176.7 131.8 244.8
 63 143.8 109.8 204.0





#13

Acetone

Concen: 47.001 ug/L

RT: 2.637 min Scan# 417

Delta R.T. 0.007 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

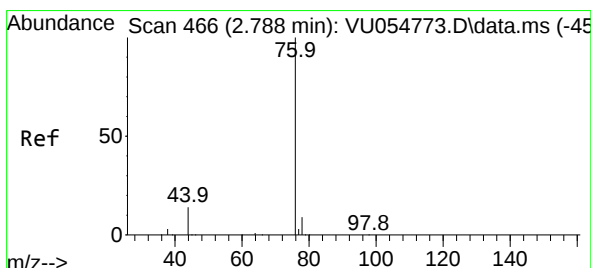
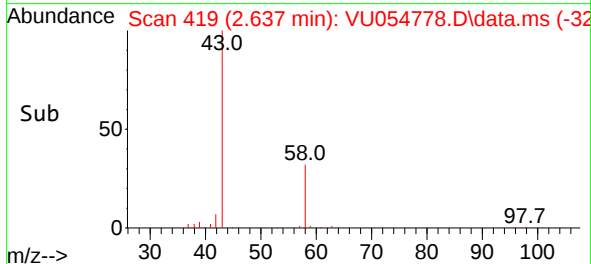
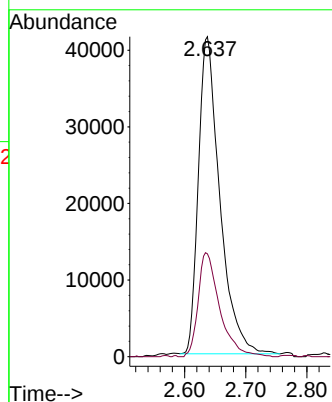
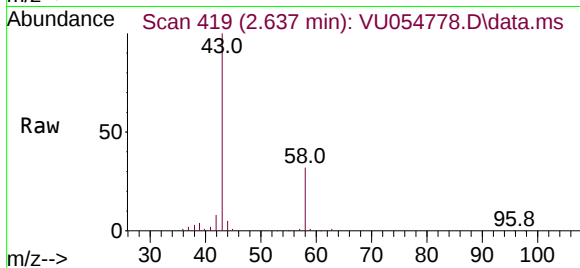
VSTD005090

Tgt Ion: 43 Resp: 100637

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.0



#14

Carbon disulfide

Concen: 5.056 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054778.D

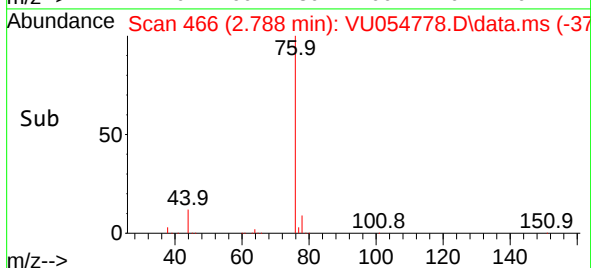
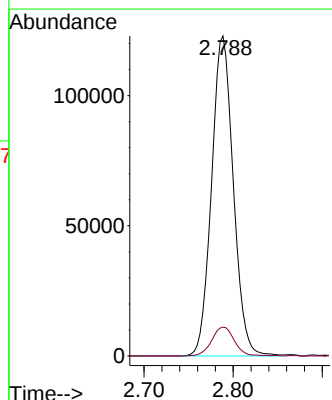
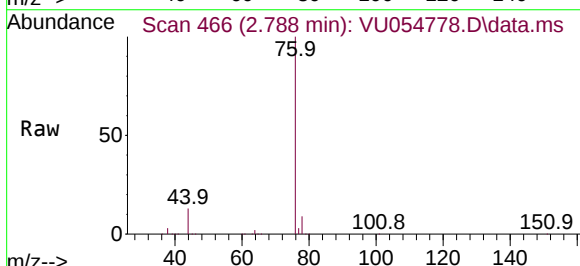
Acq: 12 Jul 2023 09:08

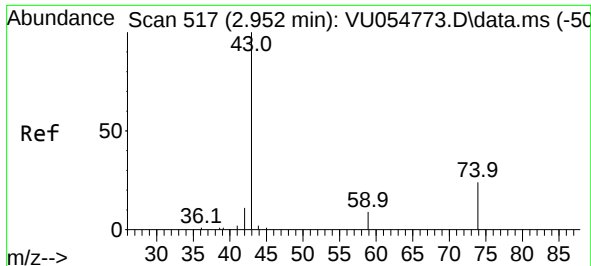
Tgt Ion: 76 Resp: 208239

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

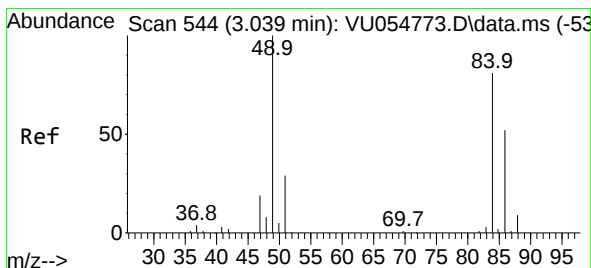
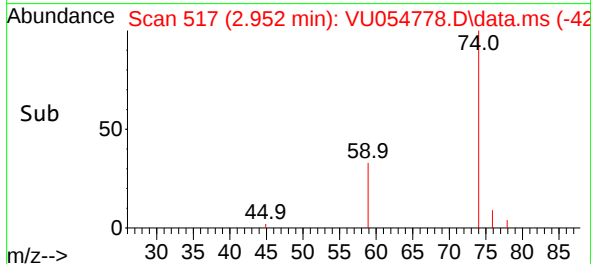
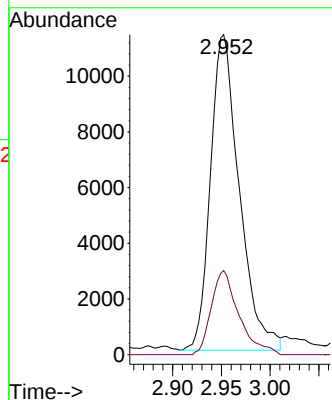
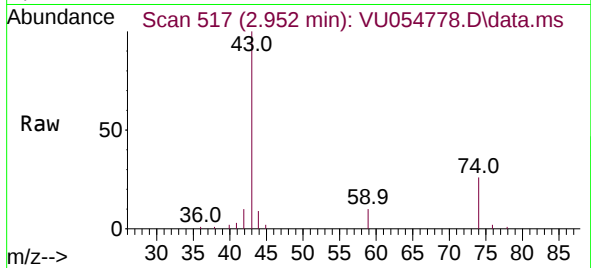




#15
Methyl Acetate
Concen: 4.411 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

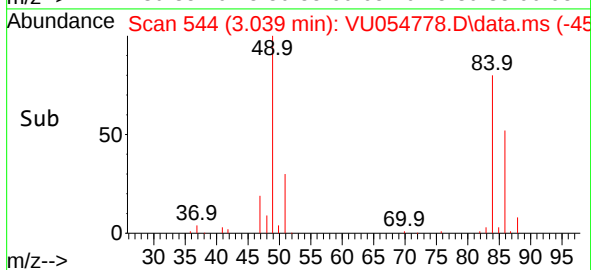
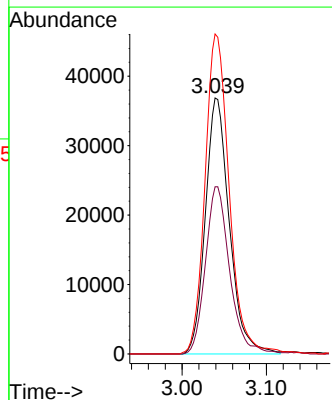
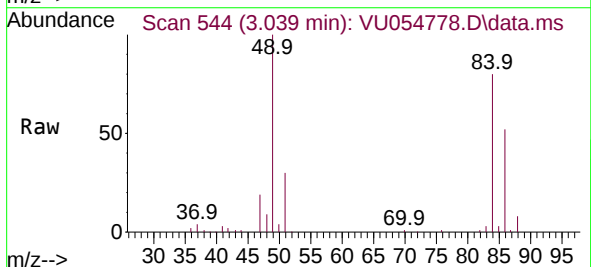
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

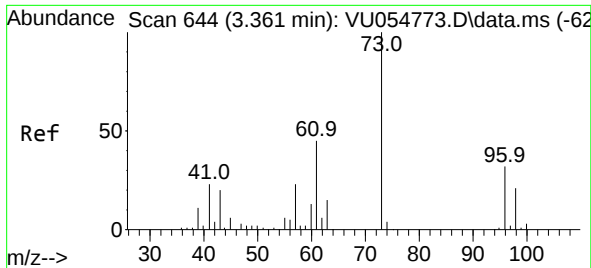
Tgt Ion: 43 Resp: 23360
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8



#16
Methylene chloride
Concen: 4.044 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 84 Resp: 73212
Ion Ratio Lower Upper
84 100
86 65.3 45.3 84.1
49 125.0 86.7 160.9

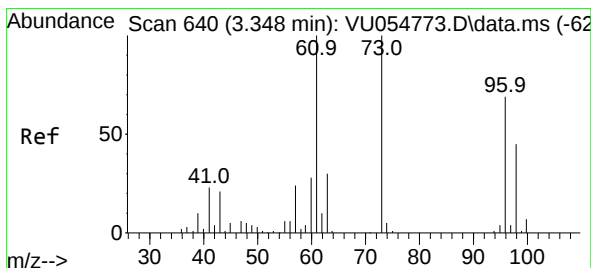
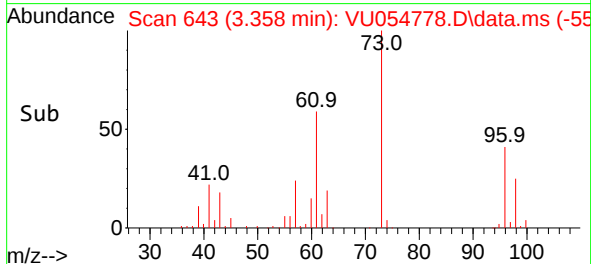
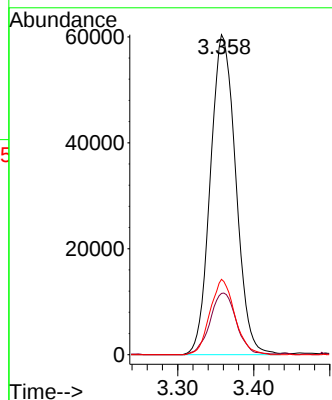
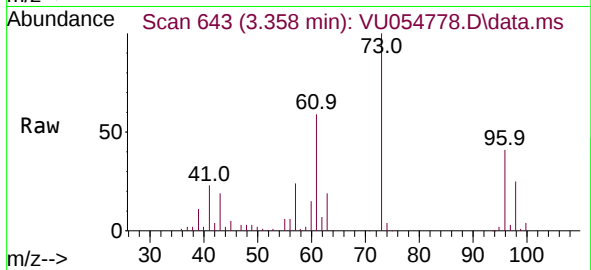




#17
Methyl tert-butyl Ether
Concen: 4.852 ug/L
RT: 3.358 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

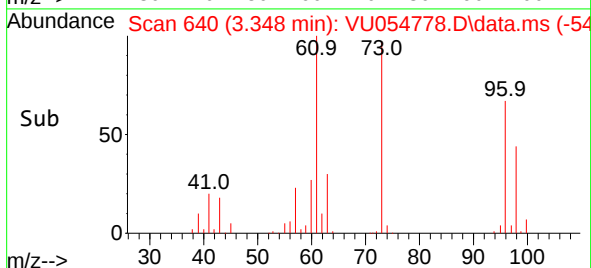
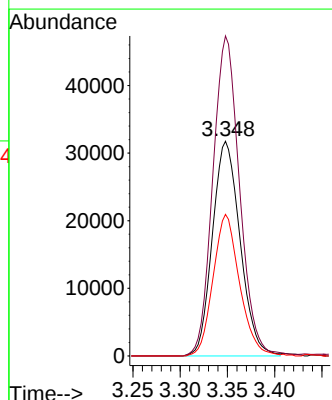
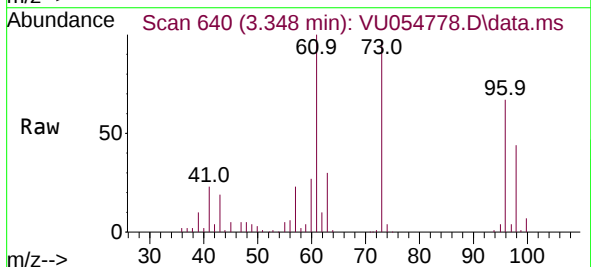
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

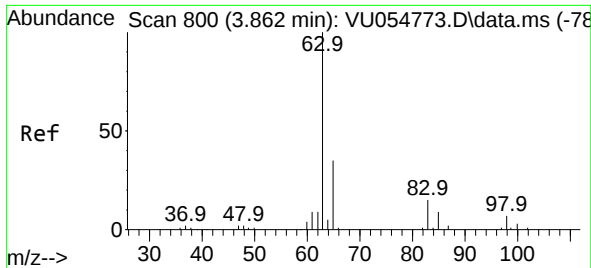
Tgt Ion: 73 Resp: 140046
Ion Ratio Lower Upper
73 100
43 20.1 16.9 25.3
57 23.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.132 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 96 Resp: 64642
Ion Ratio Lower Upper
96 100
61 149.1 101.6 188.6
98 66.0 45.6 84.6

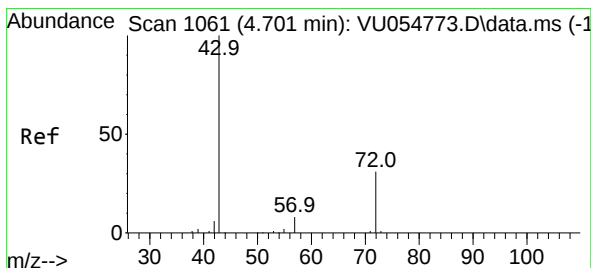
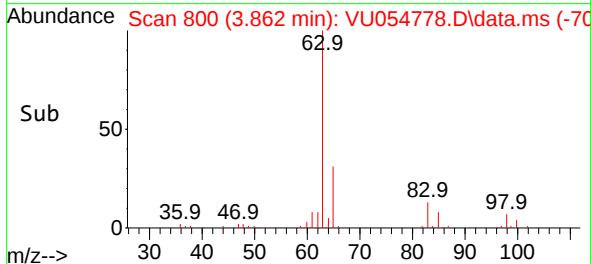
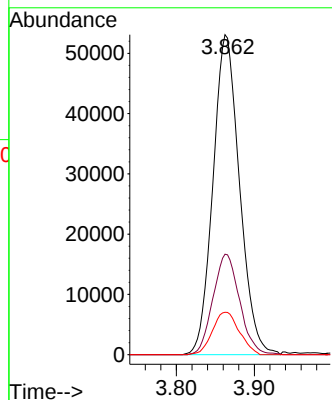
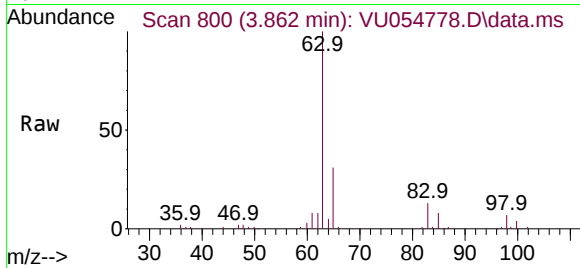




#19
1,1-Dichloroethane
Concen: 5.150 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

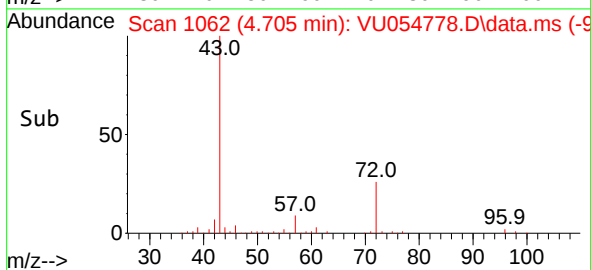
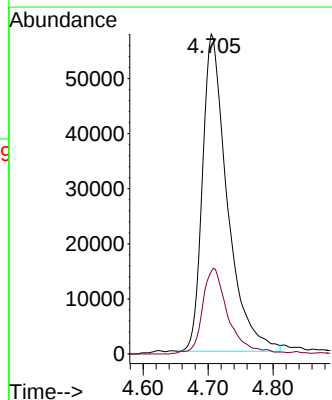
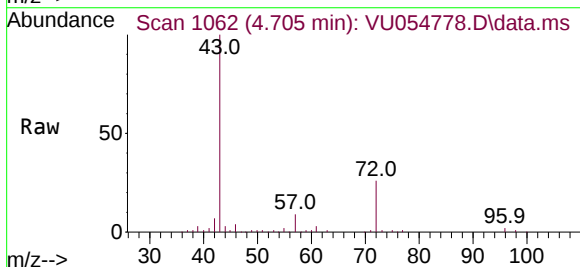
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

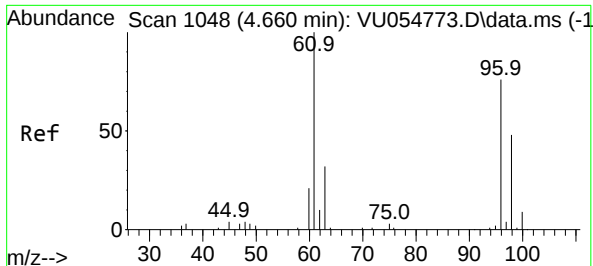
Tgt Ion: 63 Resp: 125756
Ion Ratio Lower Upper
63 100
65 31.4 24.2 45.0
83 13.2 10.4 19.2



#21
2-Butanone
Concen: 47.551 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.003 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 43 Resp: 153430
Ion Ratio Lower Upper
43 100
72 27.3 14.4 43.4

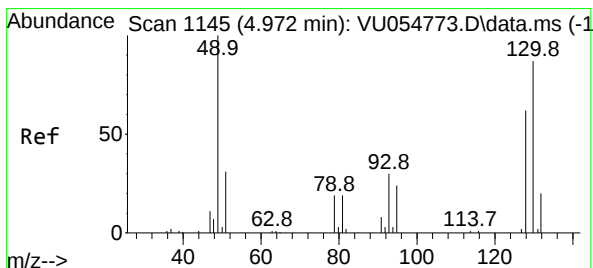
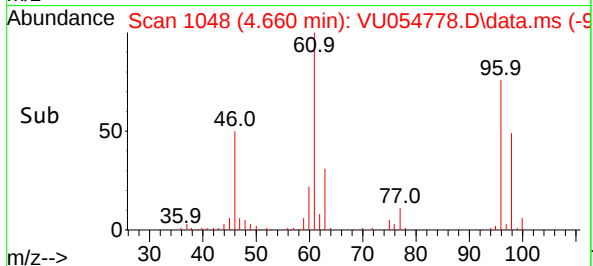
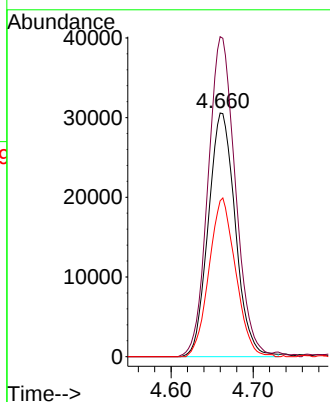
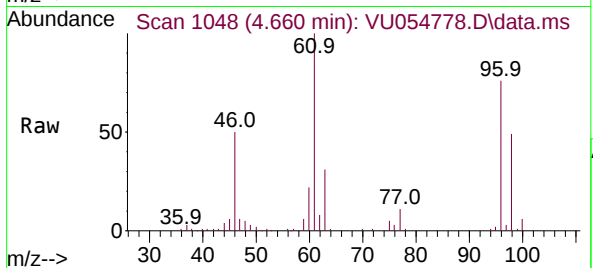




#22
 cis-1,2-Dichloroethene
 Concen: 5.094 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

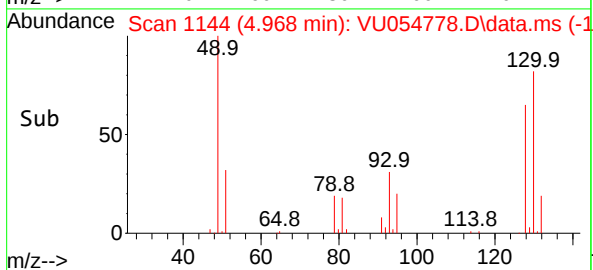
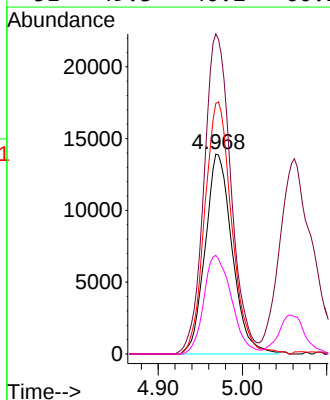
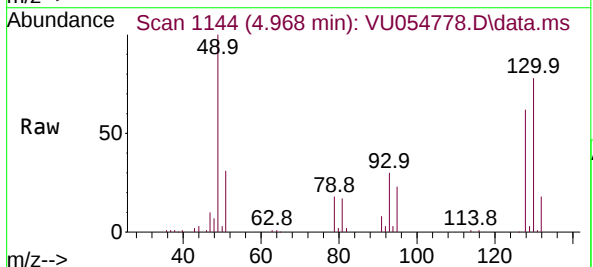
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

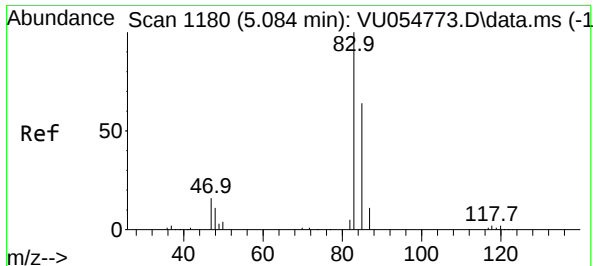
Tgt Ion: 96	Resp: 69858
Ion Ratio	Lower Upper
96 100	
61 131.3	93.0 172.8
98 63.9	44.0 81.8



#23
 Bromochloromethane
 Concen: 5.072 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

Tgt	Ion:128	Resp:	30938
Ion	Ratio	Lower	Upper
128	100		
49	160.1	113.5	210.7
130	125.4	98.0	182.0
51	49.3	40.2	60.2





#25

Chloroform

Concen: 4.995 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

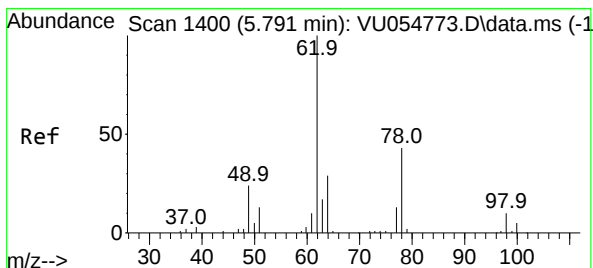
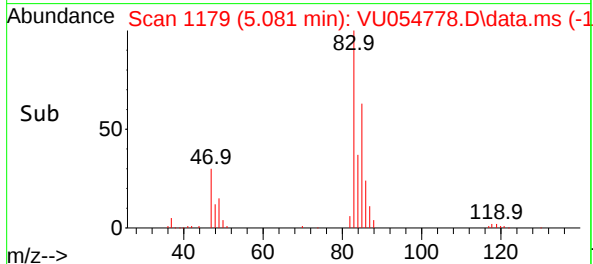
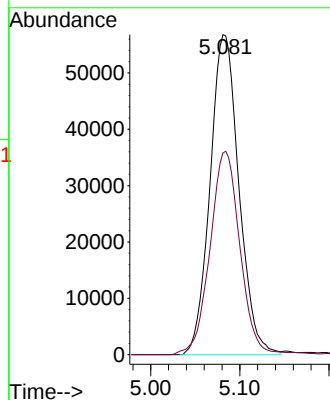
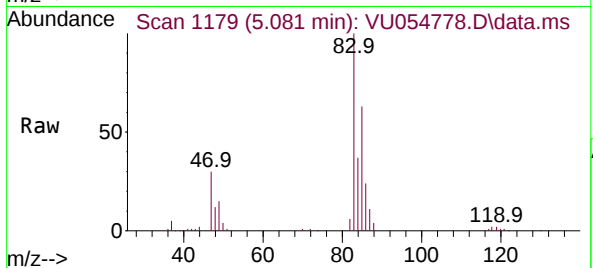
VSTD005090

Tgt Ion: 83 Resp: 127838

Ion Ratio Lower Upper

83 100

85 63.1 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.852 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054778.D

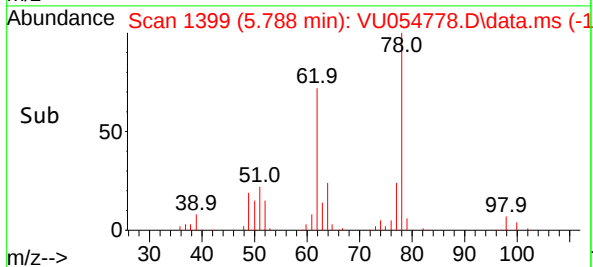
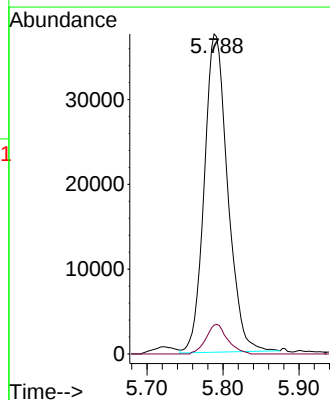
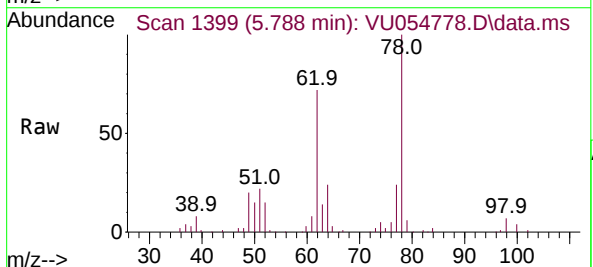
Acq: 12 Jul 2023 09:08

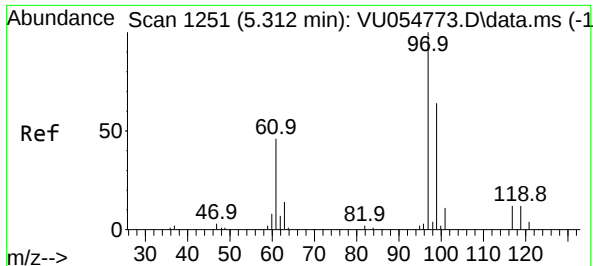
Tgt Ion: 62 Resp: 80223

Ion Ratio Lower Upper

62 100

98 9.0 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.265 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005090

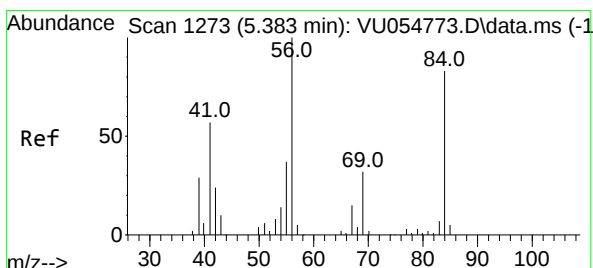
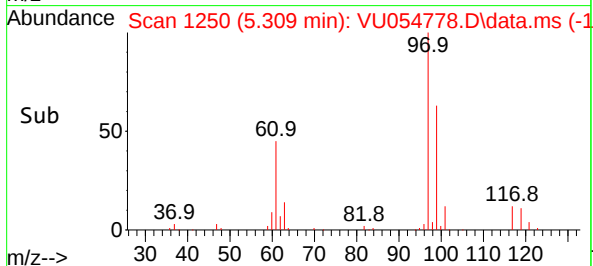
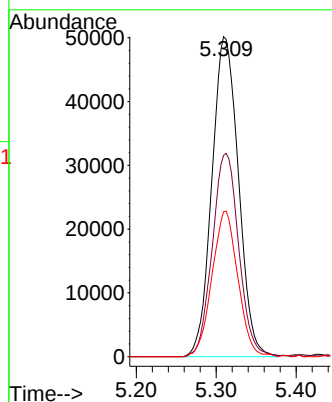
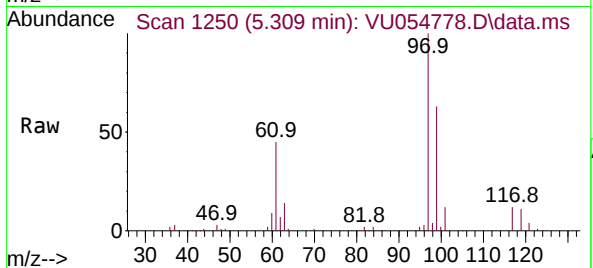
Tgt Ion: 97 Resp: 115742

Ion Ratio Lower Upper

97 100

99 63.4 51.7 77.5

61 44.3 37.0 55.4



#30

Cyclohexane

Concen: 5.304 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

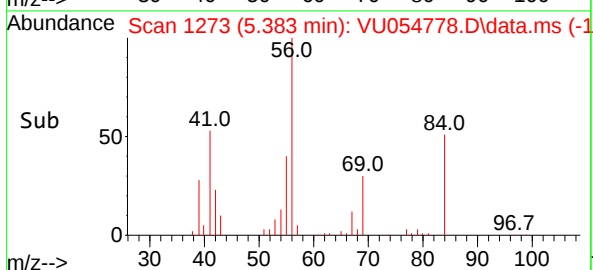
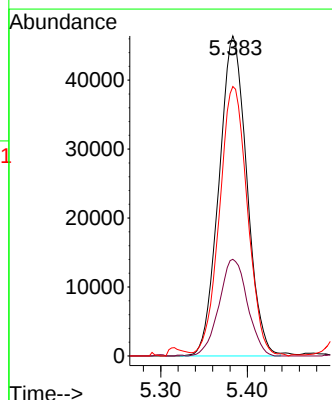
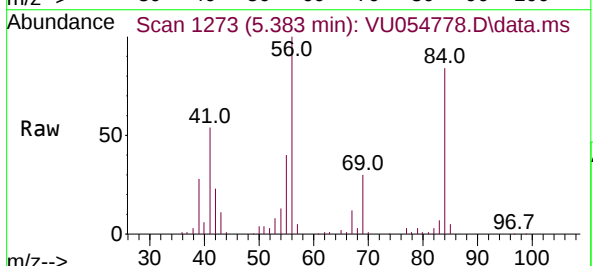
Tgt Ion: 56 Resp: 103725

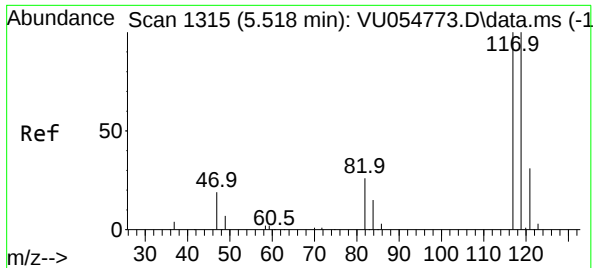
Ion Ratio Lower Upper

56 100

69 30.7 25.0 37.4

84 84.5 66.7 100.1

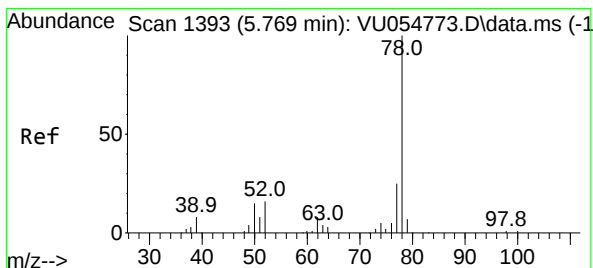
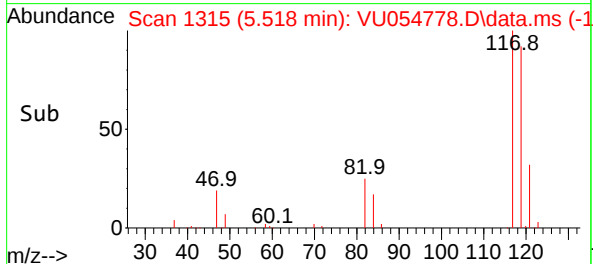
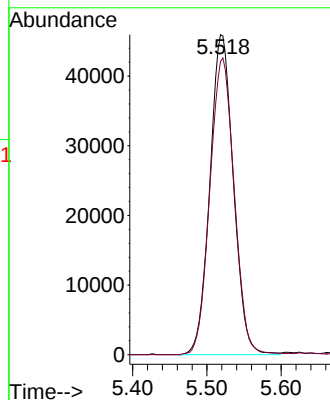
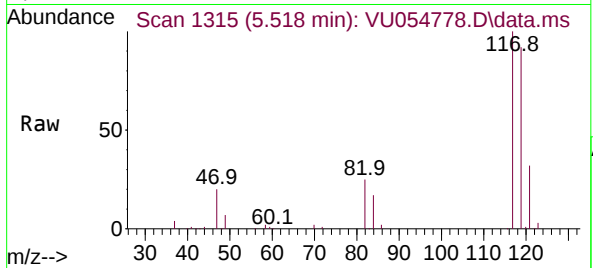




#31
Carbon tetrachloride
Concen: 5.124 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

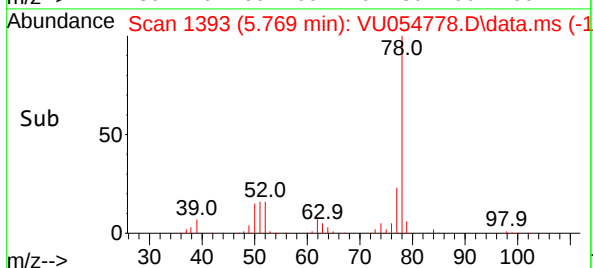
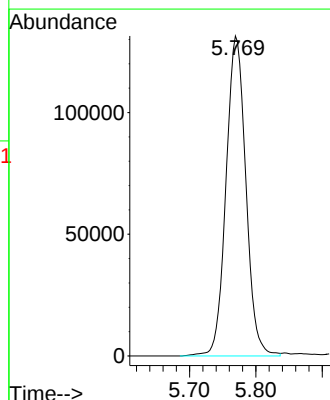
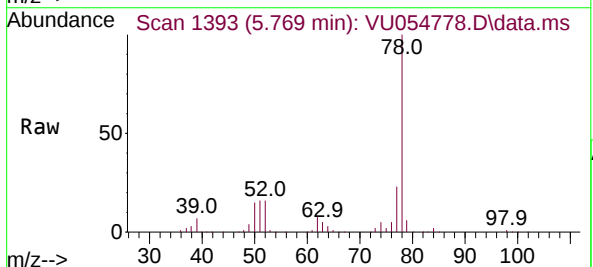
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

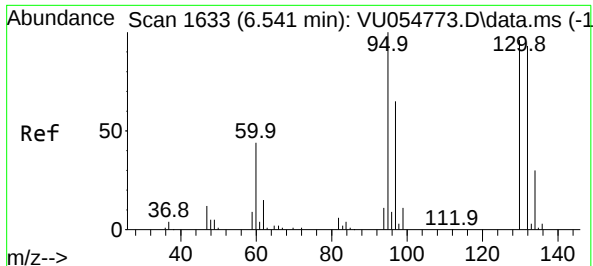
Tgt Ion:117 Resp: 101087
Ion Ratio Lower Upper
117 100
119 95.9 77.5 116.3



#33
Benzene
Concen: 5.322 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 78 Resp: 272952

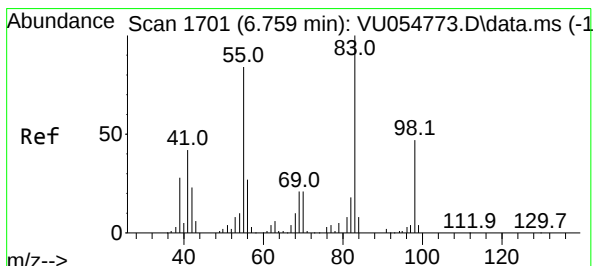
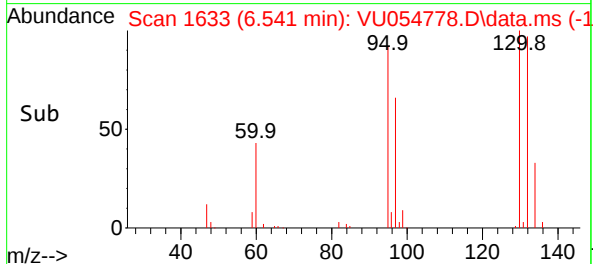
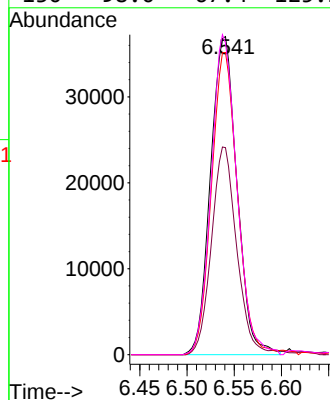
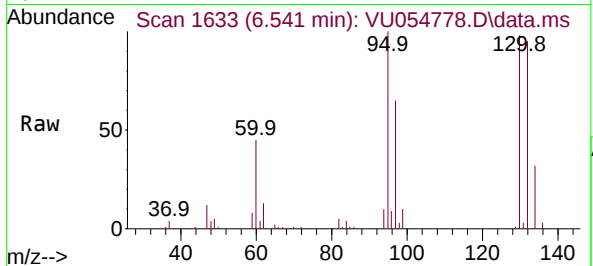




#34
Trichloroethene
Concen: 5.018 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

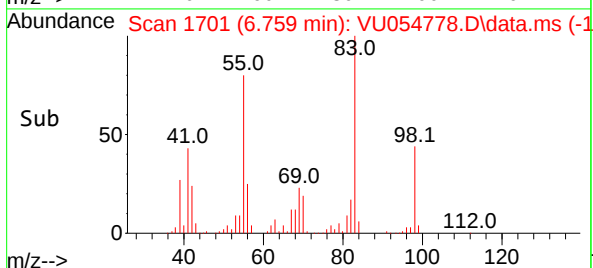
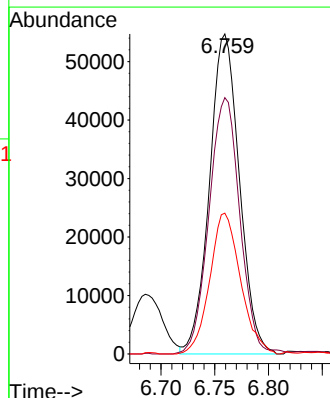
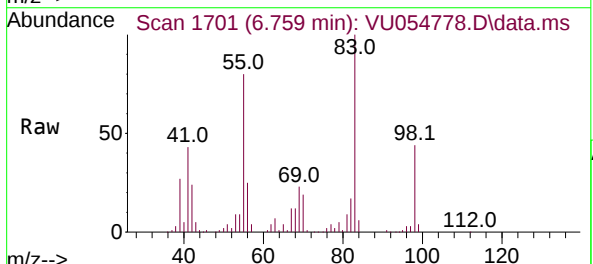
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

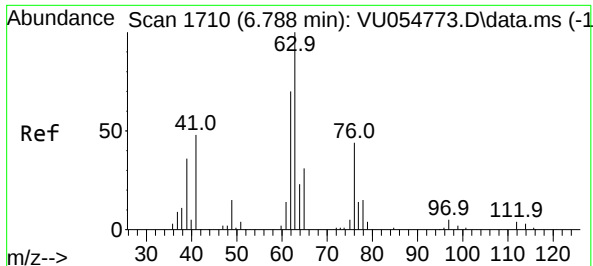
Tgt Ion: 95 Resp: 72037
Ion Ratio Lower Upper
95 100
97 65.1 45.5 84.5
132 95.0 65.4 121.4
130 98.0 67.4 125.2



#35
Methylcyclohexane
Concen: 5.284 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 83 Resp: 106056
Ion Ratio Lower Upper
83 100
55 82.3 65.8 98.6
98 45.2 36.6 54.8

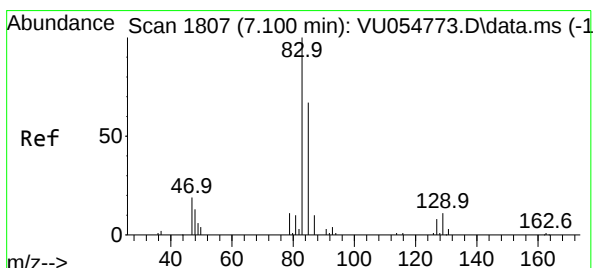
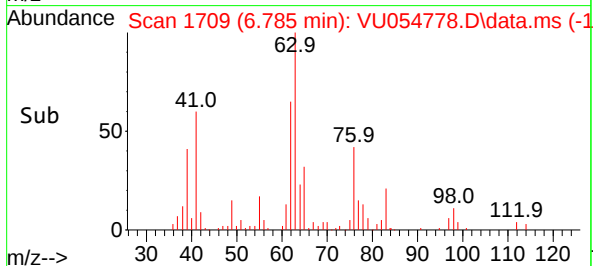
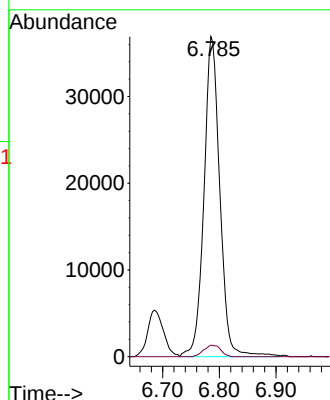
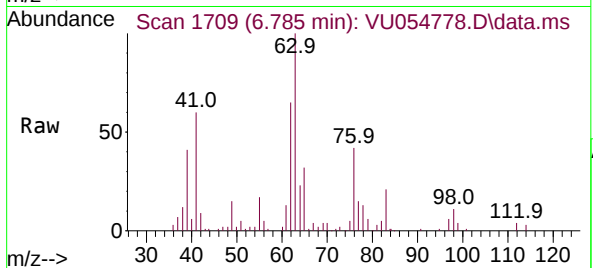




#37
1,2-Dichloropropane
Concen: 5.342 ug/L
RT: 6.785 min Scan# 1710
Delta R.T. -0.003 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

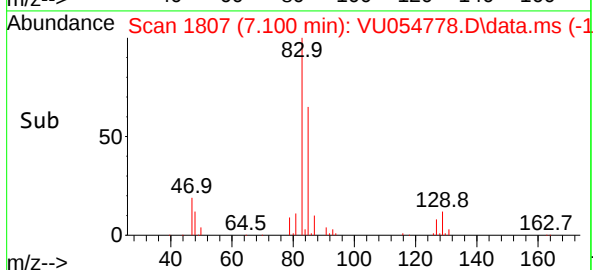
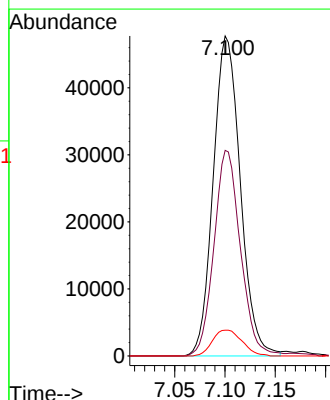
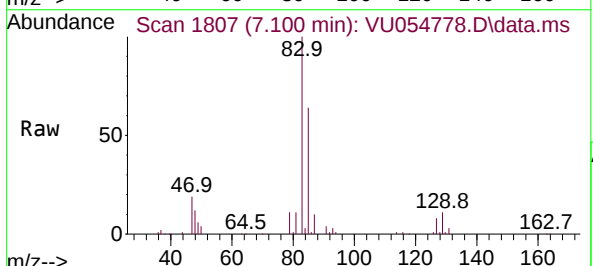
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

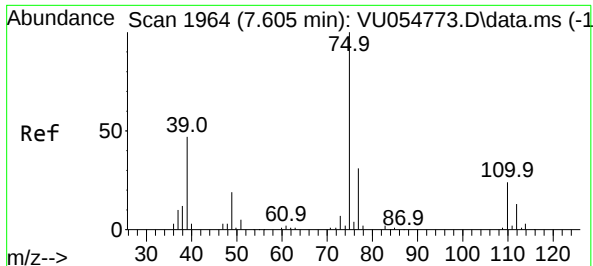
Tgt Ion: 63 Resp: 71904
Ion Ratio Lower Upper
63 100
112 3.8 2.6 4.0



#38
Bromodichloromethane
Concen: 5.180 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 83 Resp: 89575
Ion Ratio Lower Upper
83 100
85 64.3 46.7 86.7
127 8.1 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.128 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

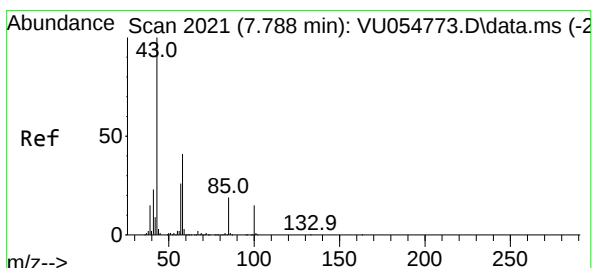
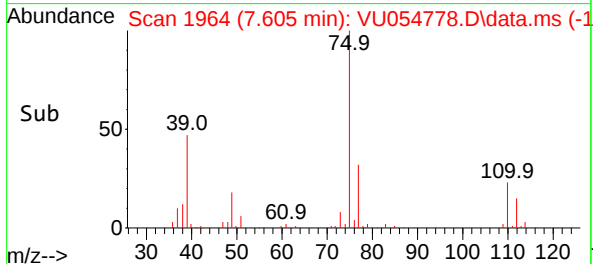
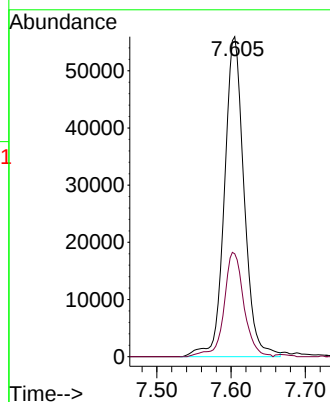
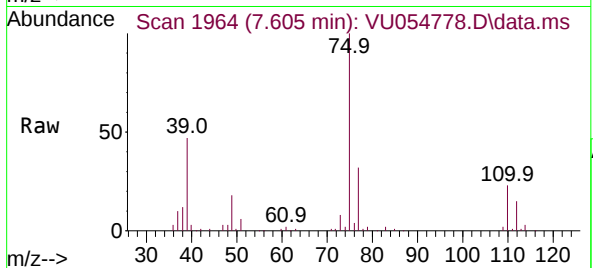
VSTD005090

Tgt Ion: 75 Resp: 103247

Ion Ratio Lower Upper

75 100

77 32.1 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 47.752 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

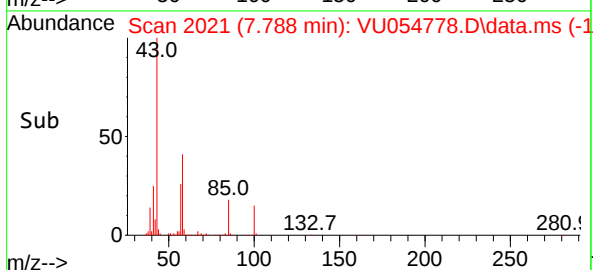
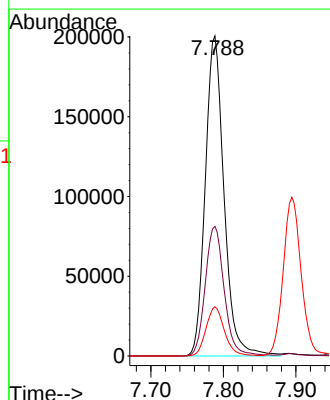
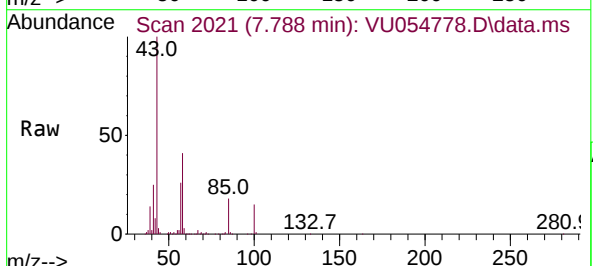
Tgt Ion: 43 Resp: 360210

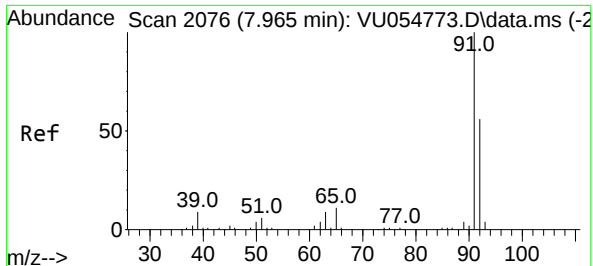
Ion Ratio Lower Upper

43 100

58 41.1 32.6 48.8

100 15.1 12.5 18.7





#42

Toluene

Concen: 5.302 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

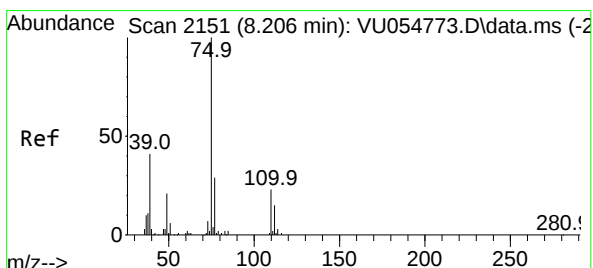
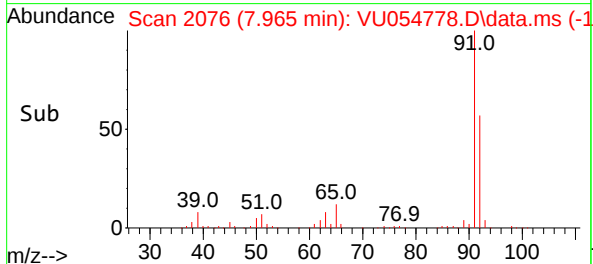
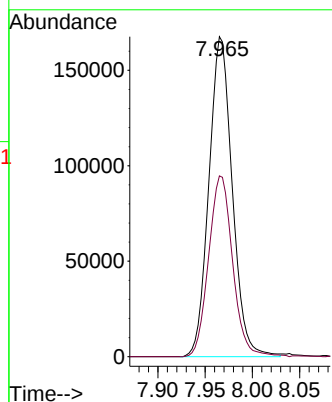
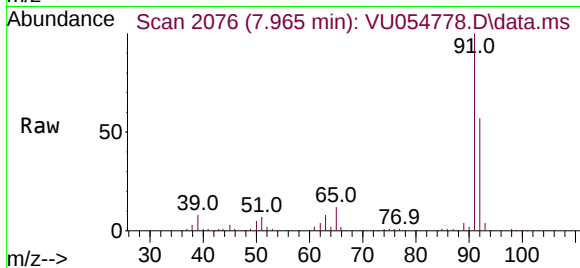
VSTD005090

Tgt Ion: 91 Resp: 288216

Ion Ratio Lower Upper

91 100

92 56.5 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 4.972 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054778.D

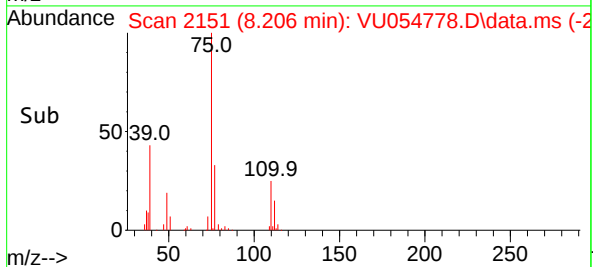
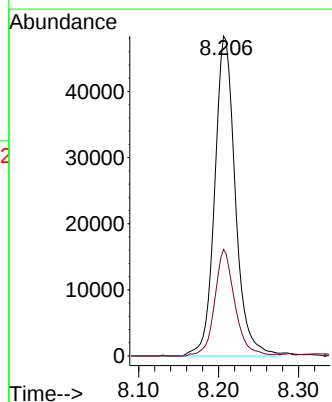
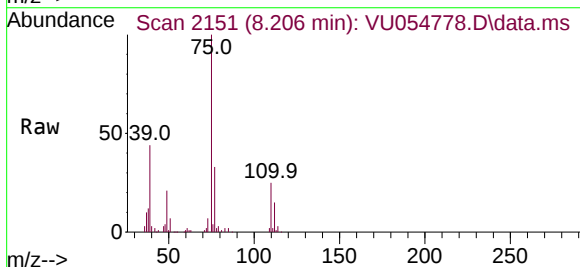
Acq: 12 Jul 2023 09:08

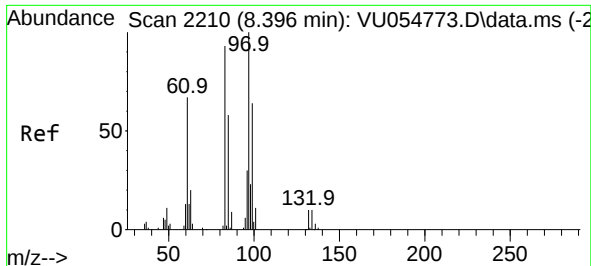
Tgt Ion: 75 Resp: 86550

Ion Ratio Lower Upper

75 100

77 33.3 20.2 37.6

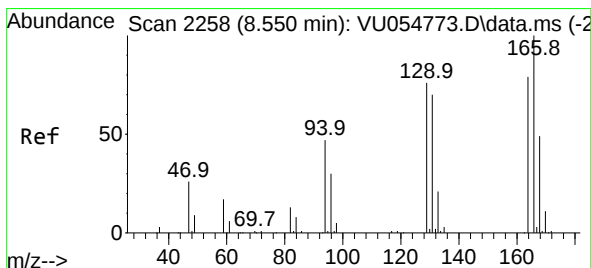
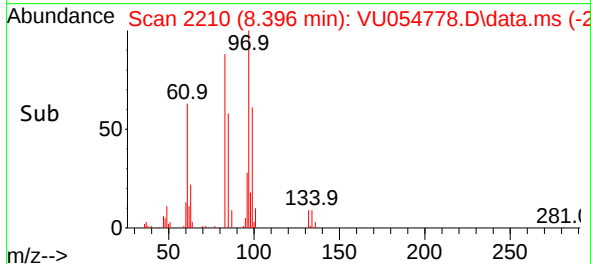
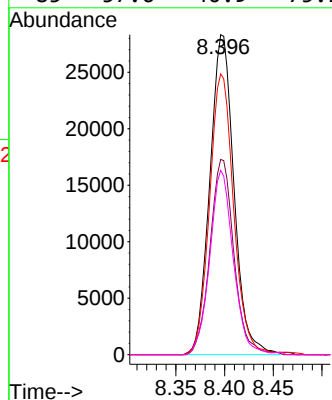
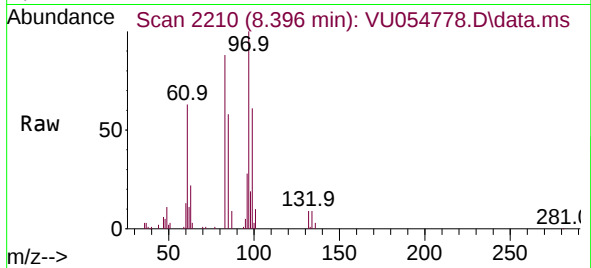




#45
1,1,2-Trichloroethane
Concen: 5.074 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

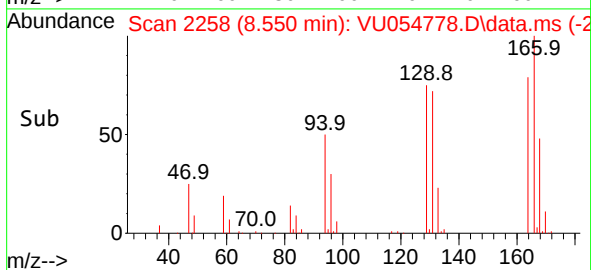
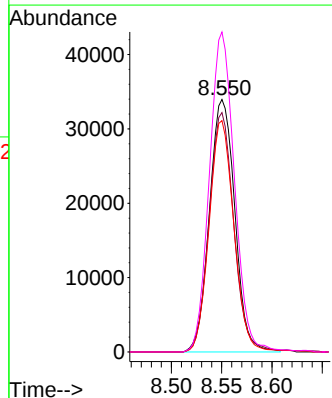
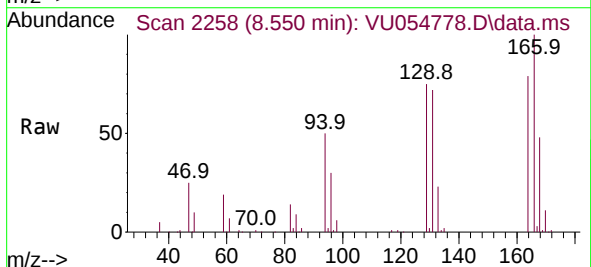
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

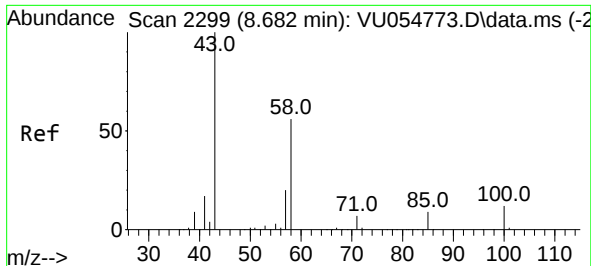
Tgt Ion:	97	Resp:	48901
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.7	83.1
83	87.7	65.2	121.0
85	57.6	40.9	75.9



#47
Tetrachloroethene
Concen: 5.134 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion:	164	Resp:	59689
Ion	Ratio	Lower	Upper
164	100		
129	94.8	66.6	123.8
131	91.6	61.5	114.3
166	126.7	88.3	163.9

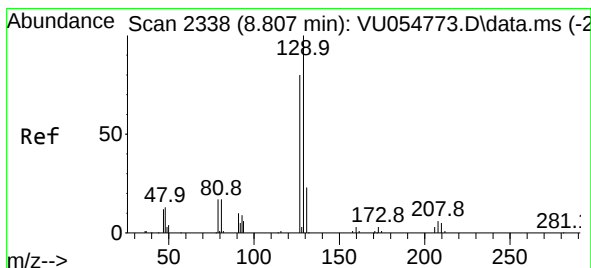
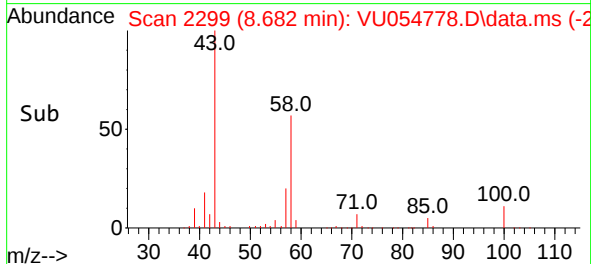
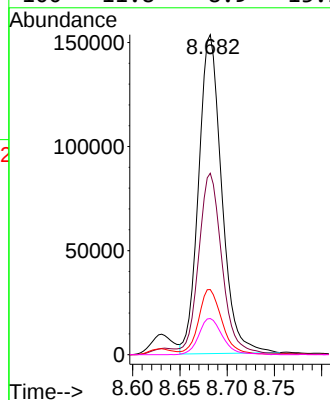
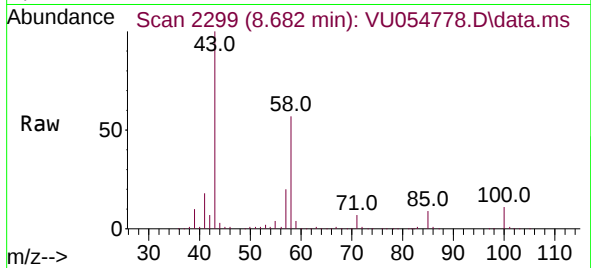




#48
2-Hexanone
Concen: 47.907 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

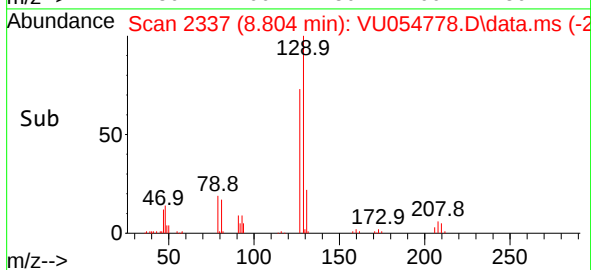
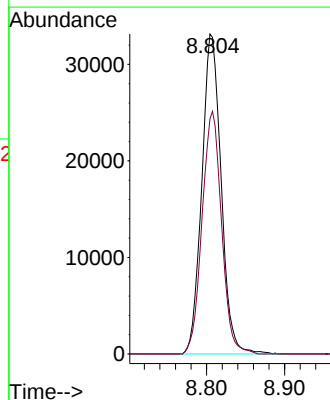
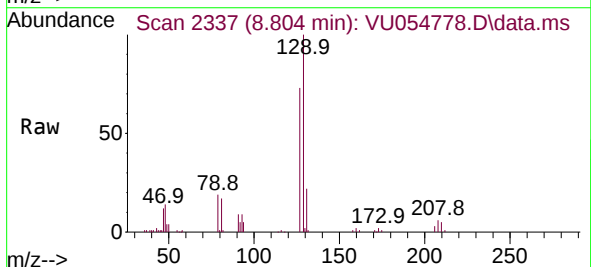
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

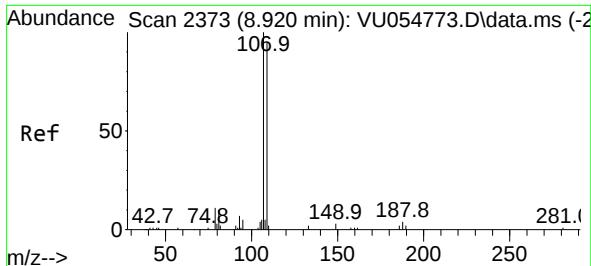
Tgt Ion:	43	Resp:	260226
Ion	Ratio	Lower	Upper
43	100		
58	58.7	45.2	67.8
57	20.6	15.7	23.5
100	11.8	8.9	13.3



#49
Dibromochloromethane
Concen: 5.085 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion:	129	Resp:	57046
Ion	Ratio	Lower	Upper
129	100		
127	73.5	55.6	103.4





#50

1,2-Dibromoethane

Concen: 4.857 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005090

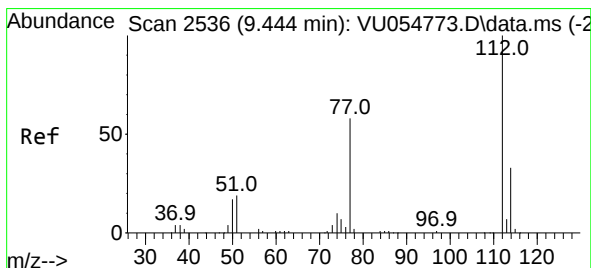
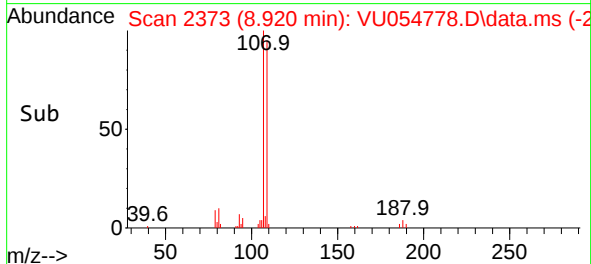
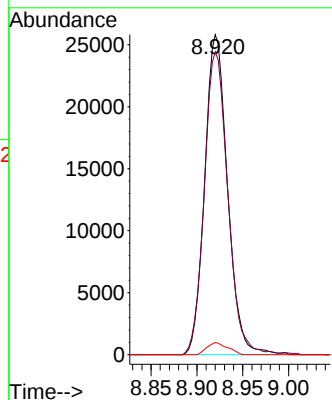
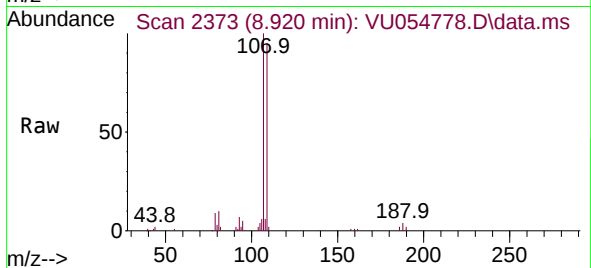
Tgt Ion:107 Resp: 44668

Ion Ratio Lower Upper

107 100

109 94.6 66.5 123.5

188 3.8 3.3 4.9



#51

Chlorobenzene

Concen: 5.096 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

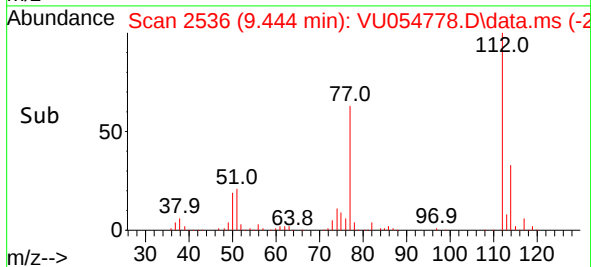
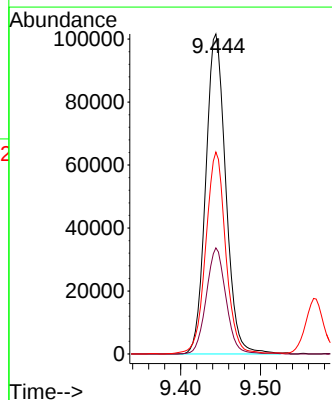
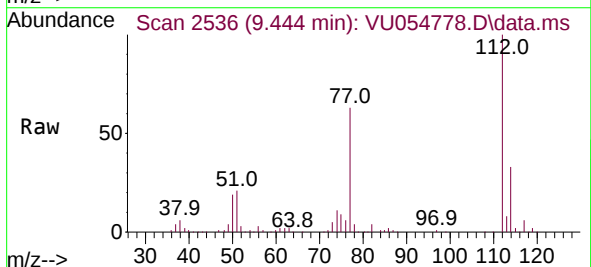
Tgt Ion:112 Resp: 177455

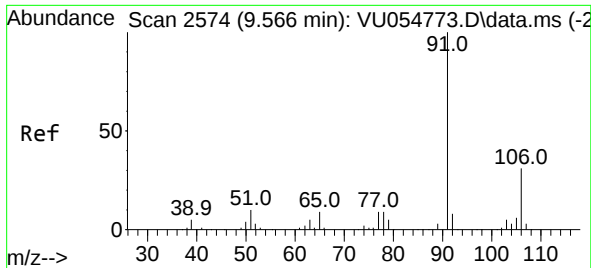
Ion Ratio Lower Upper

112 100

114 33.1 22.9 42.5

77 63.1 47.3 70.9

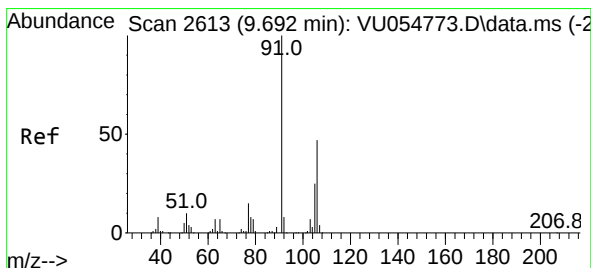
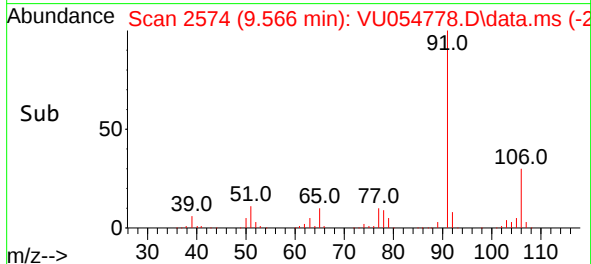
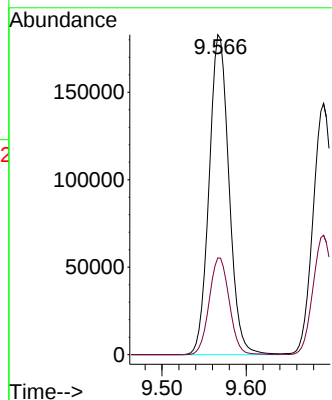
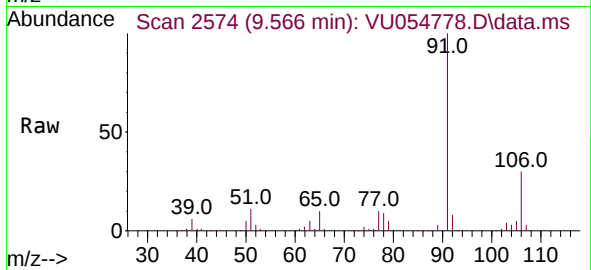




#52
Ethylbenzene
Concen: 5.162 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

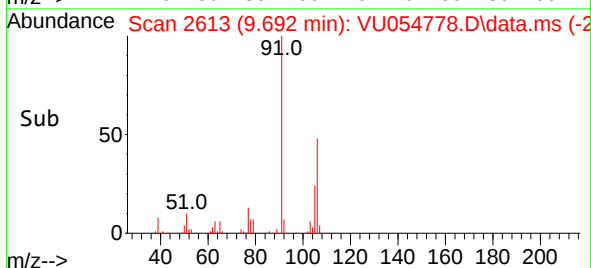
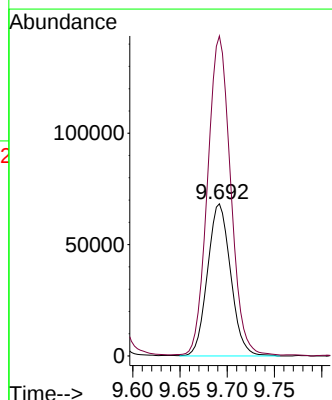
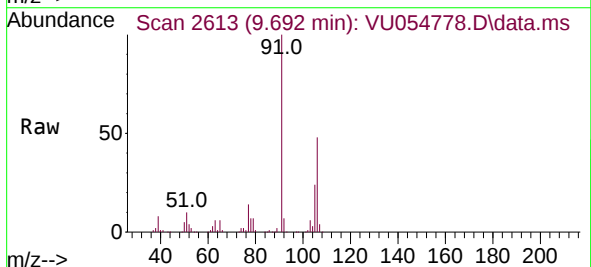
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

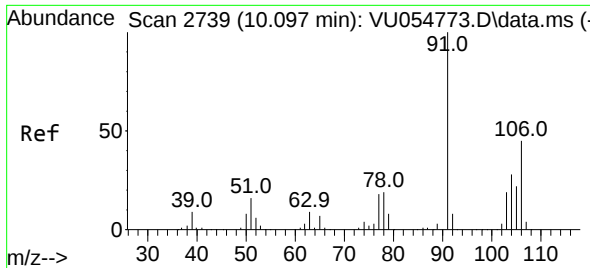
Tgt Ion: 91 Resp: 300394
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 5.232 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion: 106 Resp: 116299
Ion Ratio Lower Upper
106 100
91 210.2 148.8 276.4

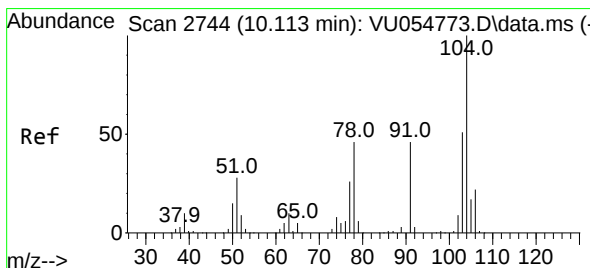
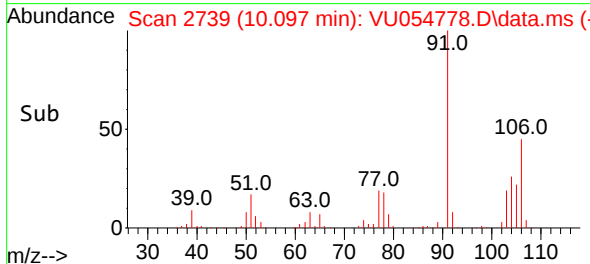
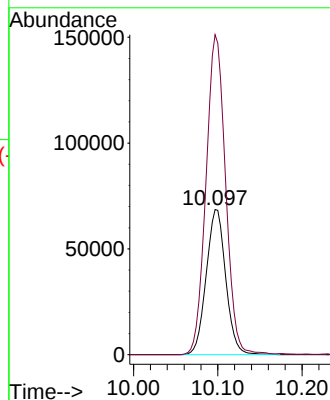
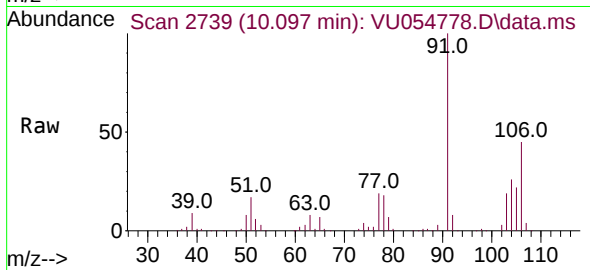




#54
o-Xylene
Concen: 5.329 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

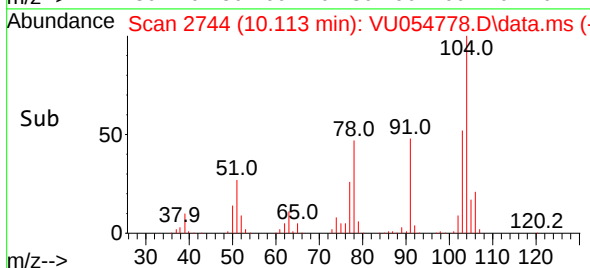
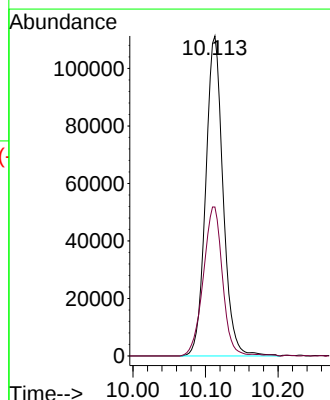
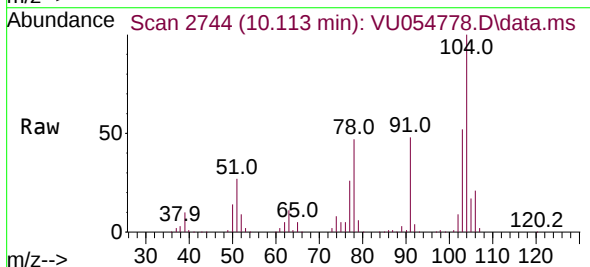
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

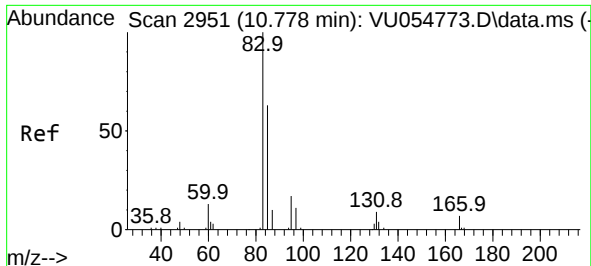
Tgt Ion:106 Resp: 110642
Ion Ratio Lower Upper
106 100
91 220.5 156.8 291.2



#55
Styrene
Concen: 5.284 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion:104 Resp: 185488
Ion Ratio Lower Upper
104 100
78 46.5 32.5 60.3

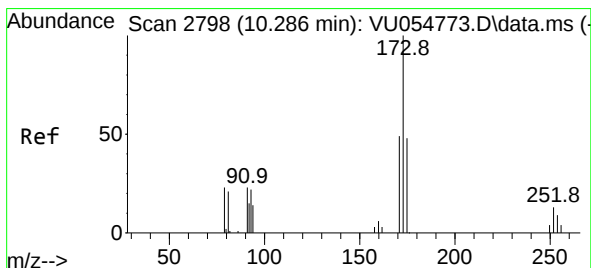
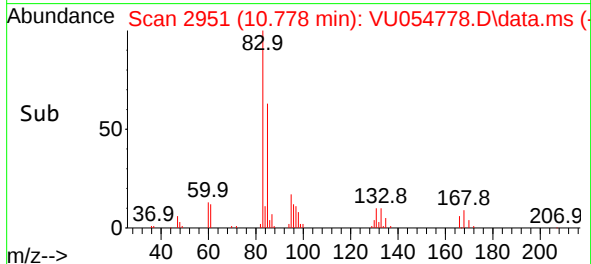
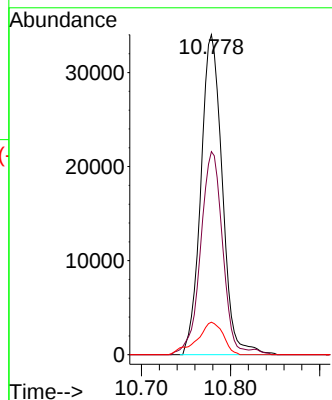
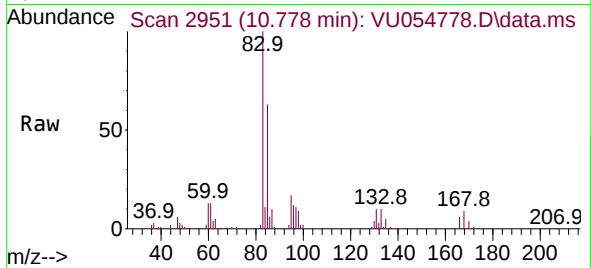




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.830 ug/L
 RT: 10.778 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

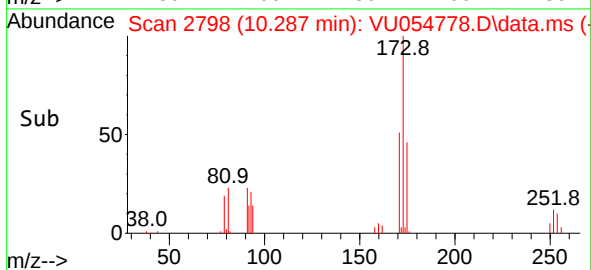
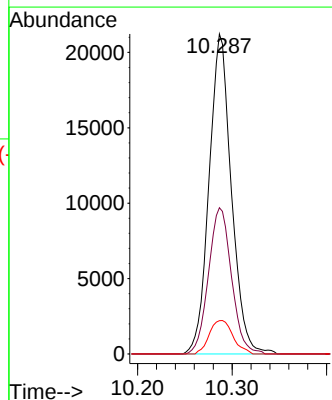
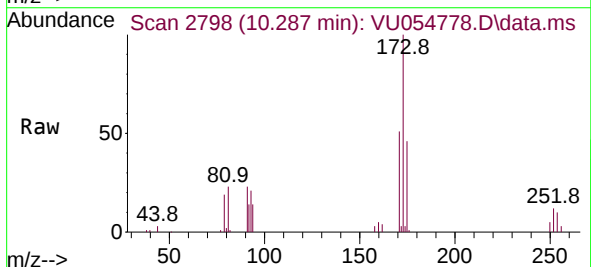
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

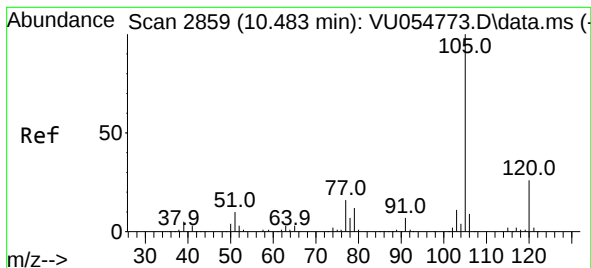
Tgt Ion: 83 Resp: 56752
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.5 84.5
 131 10.1 8.6 13.0



#59
 Bromoform
 Concen: 5.118 ug/L
 RT: 10.287 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

Tgt Ion: 173 Resp: 34758
 Ion Ratio Lower Upper
 173 100
 175 47.1 38.1 57.1
 254 11.1 7.8 11.6





#60

Isopropylbenzene

Concen: 5.493 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005090

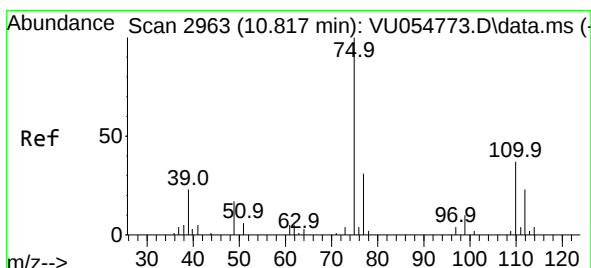
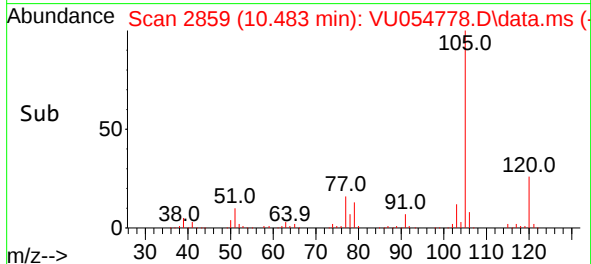
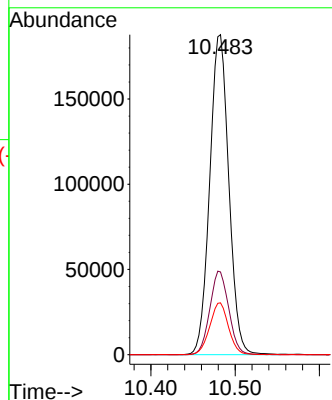
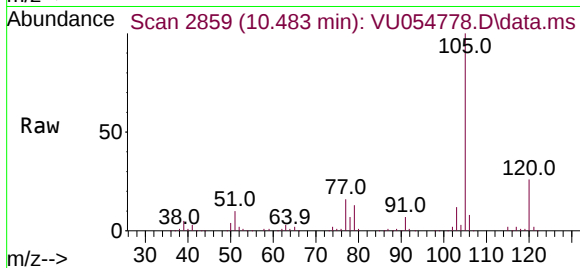
Tgt Ion:105 Resp: 295934

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

77 16.0 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.823 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

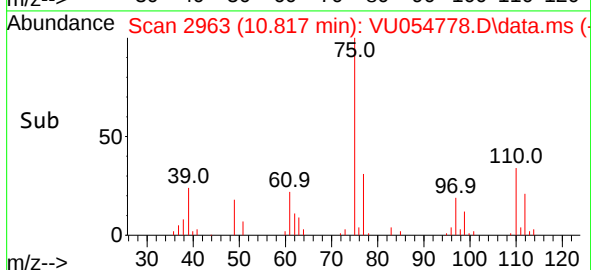
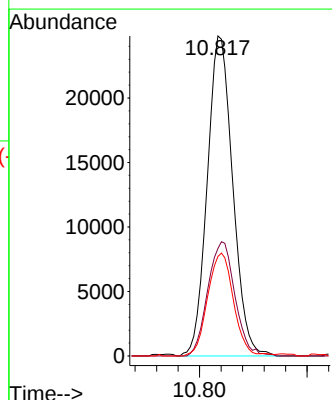
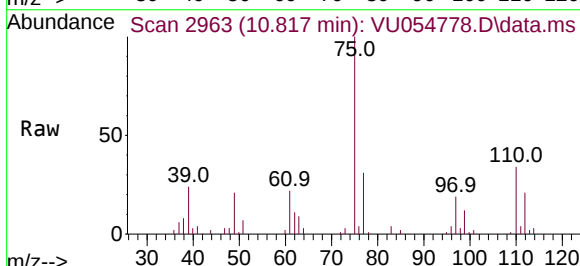
Tgt Ion: 75 Resp: 40802

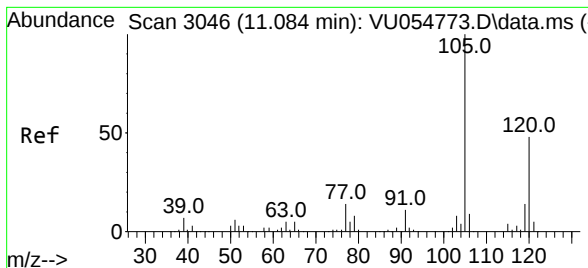
Ion Ratio Lower Upper

75 100

110 38.0 29.8 44.6

77 32.4 26.6 39.8





#62

1,3,5-Trimethylbenzene

Concen: 5.432 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

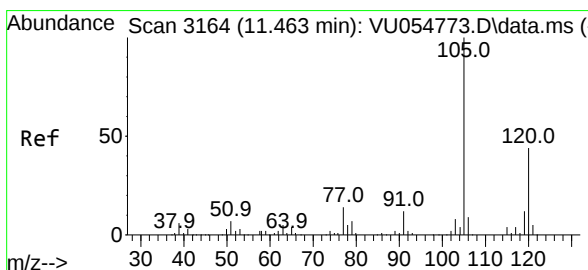
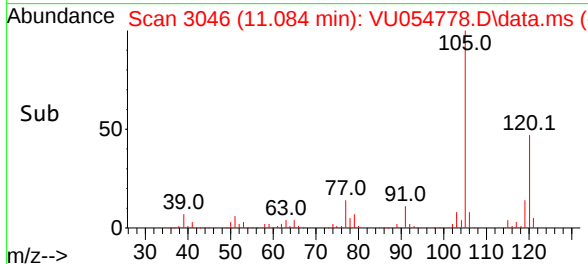
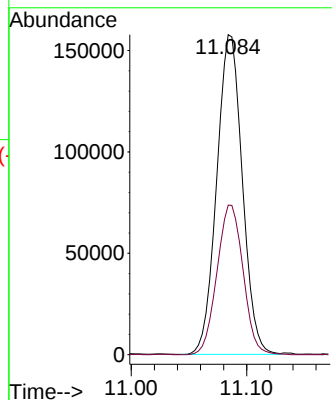
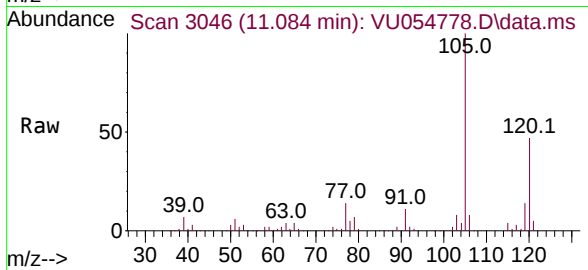
VSTD005090

Tgt Ion:105 Resp: 242774

Ion Ratio Lower Upper

105 100

120 47.7 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 5.571 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU054778.D

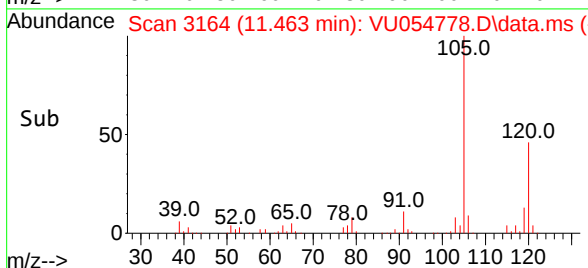
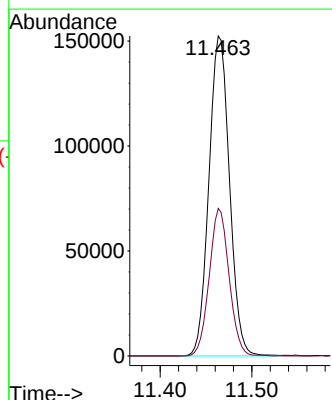
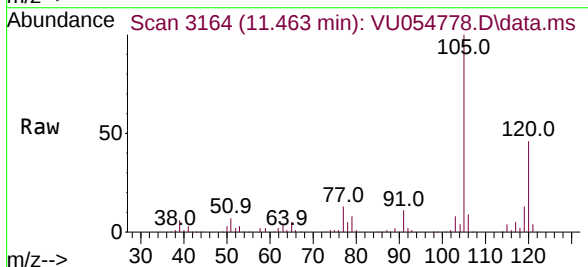
Acq: 12 Jul 2023 09:08

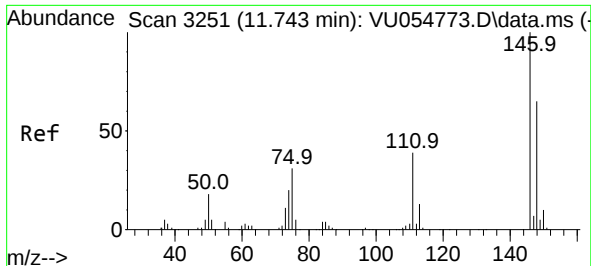
Tgt Ion:105 Resp: 237924

Ion Ratio Lower Upper

105 100

120 44.4 35.2 52.8

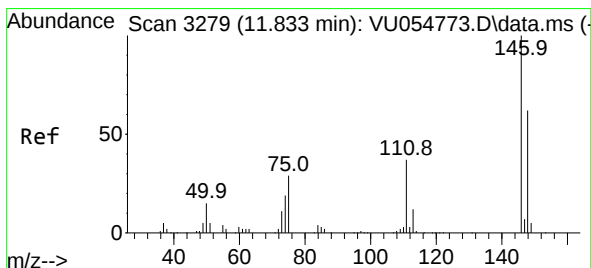
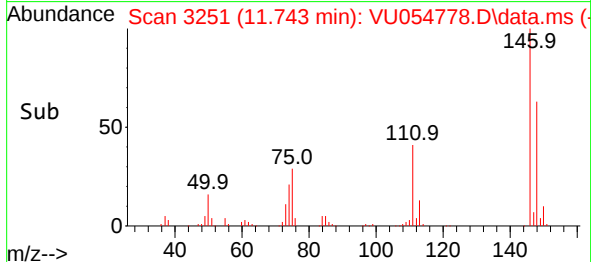
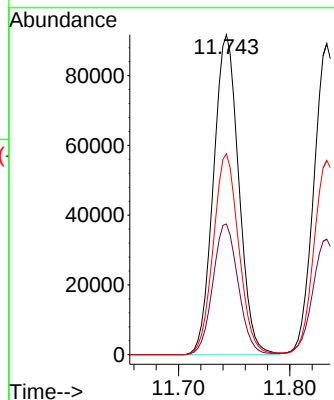
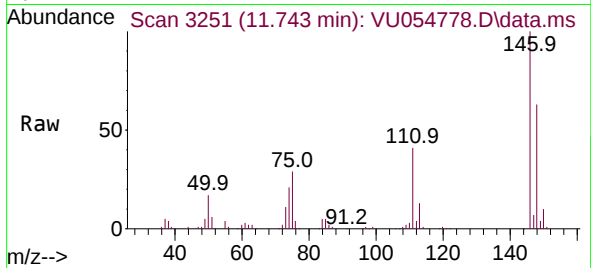




#64
1,3-Dichlorobenzene
Concen: 5.333 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

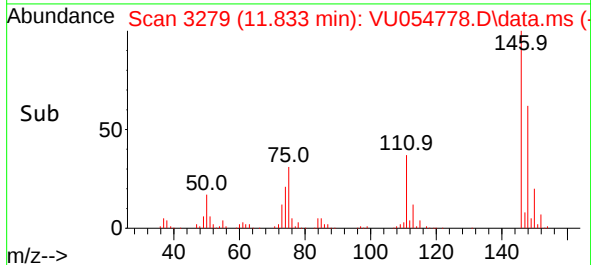
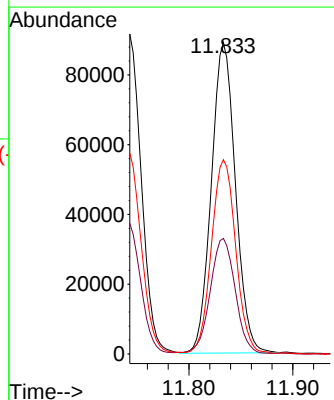
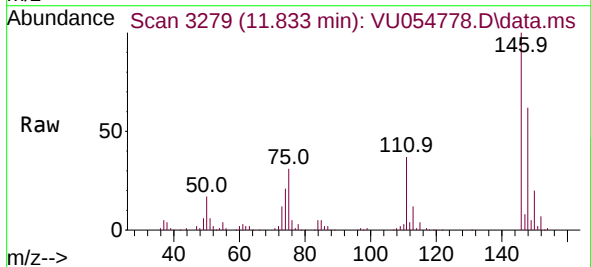
Instrument :
MSVOA_U
ClientSampleId :
VSTD005090

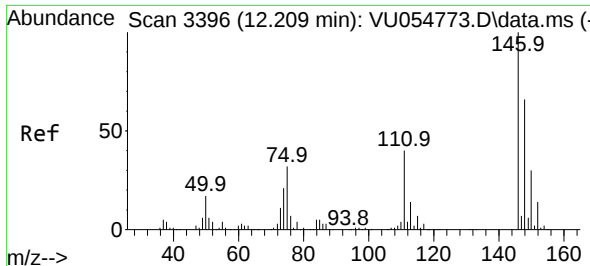
Tgt Ion:146 Resp: 144673
Ion Ratio Lower Upper
146 100
111 40.8 27.5 51.1
148 62.8 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 5.310 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054778.D
Acq: 12 Jul 2023 09:08

Tgt Ion:146 Resp: 143482
Ion Ratio Lower Upper
146 100
111 37.1 25.7 47.7
148 62.4 43.7 81.1

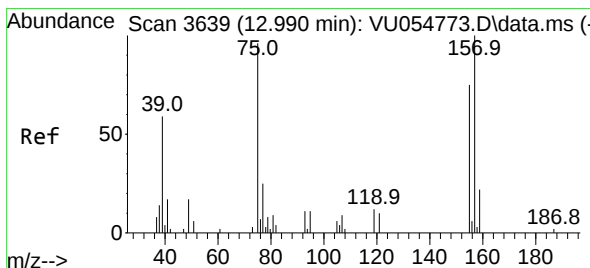
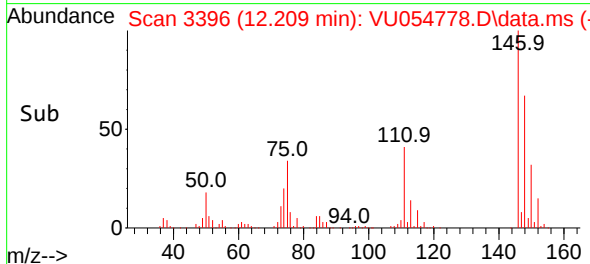
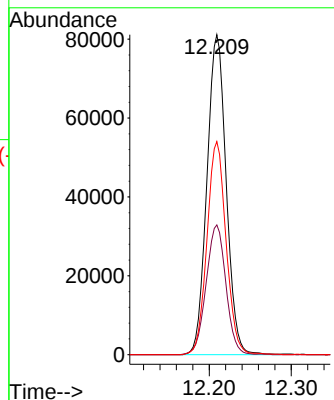
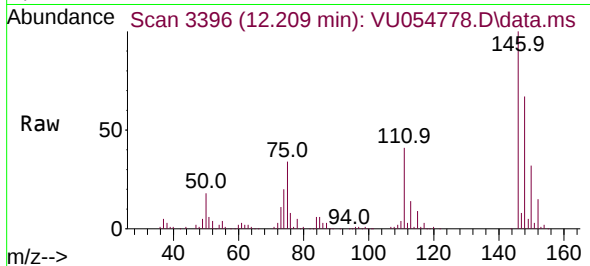




#67
 1,2-Dichlorobenzene
 Concen: 5.301 ug/L
 RT: 12.209 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

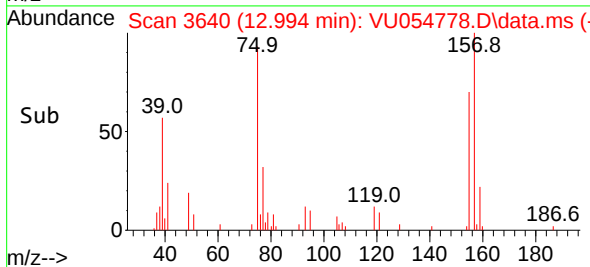
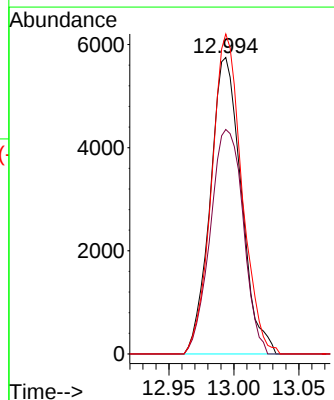
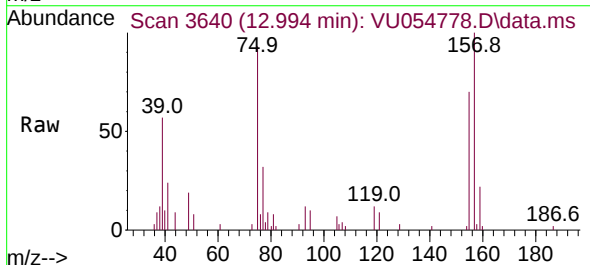
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005090

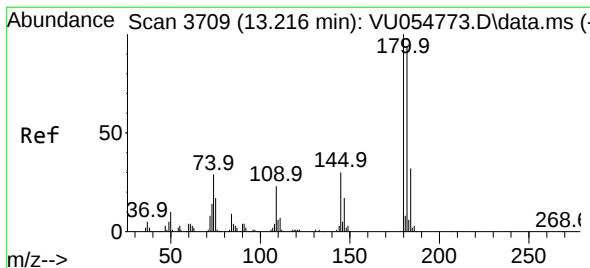
Tgt Ion:146 Resp: 132167
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.4 48.6
 148 66.6 53.2 79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.634 ug/L
 RT: 12.994 min Scan# 3640
 Delta R.T. 0.003 min
 Lab File: VU054778.D
 Acq: 12 Jul 2023 09:08

Tgt Ion: 75 Resp: 9541
 Ion Ratio Lower Upper
 75 100
 155 75.7 62.9 94.3
 157 107.9 83.4 125.0





#69

1,3,5-Trichlorobenzene

Concen: 5.320 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005090

Tgt Ion:180 Resp: 107880

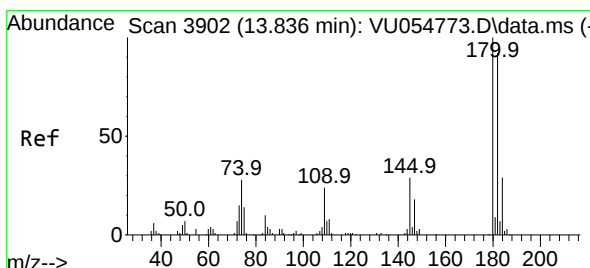
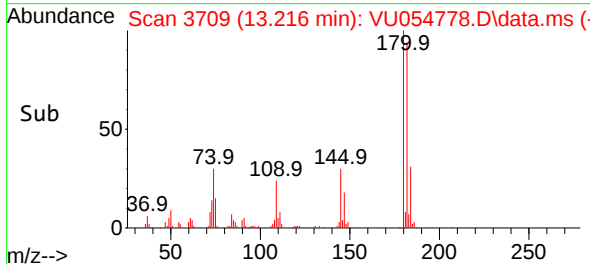
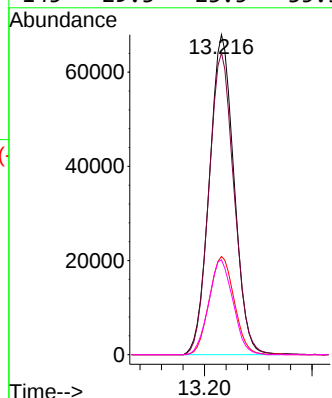
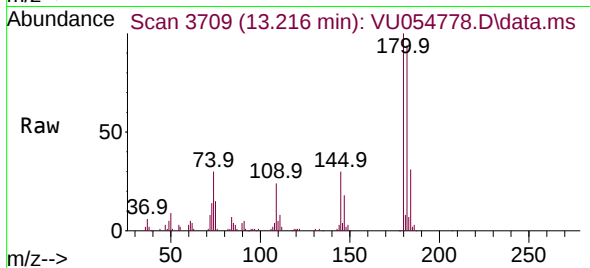
Ion Ratio Lower Upper

180 100

182 96.0 74.6 111.8

184 31.0 24.9 37.3

145 29.3 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 5.150 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

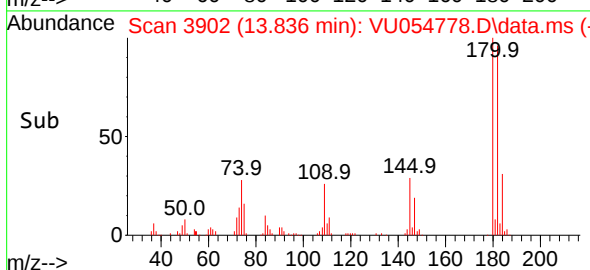
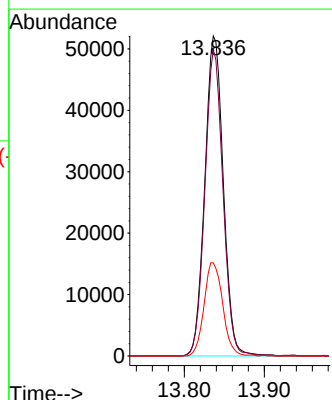
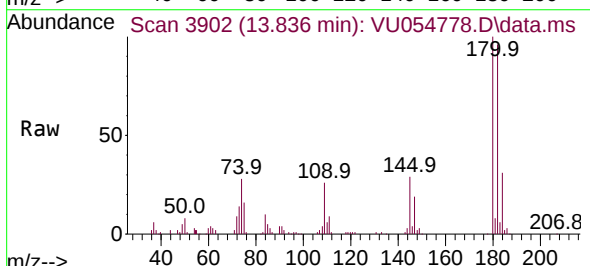
Tgt Ion:180 Resp: 83901

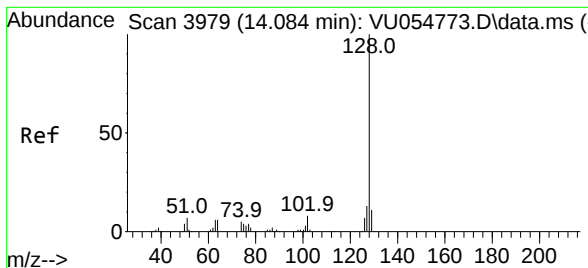
Ion Ratio Lower Upper

180 100

182 93.4 76.5 114.7

145 29.4 23.4 35.2





#71

Naphthalene

Concen: 4.650 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005090

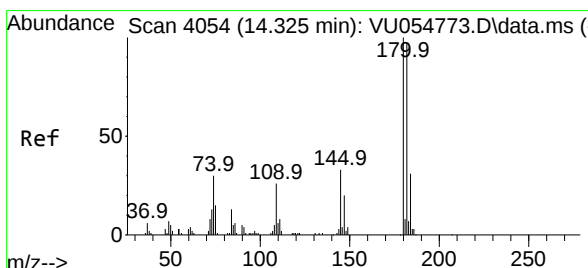
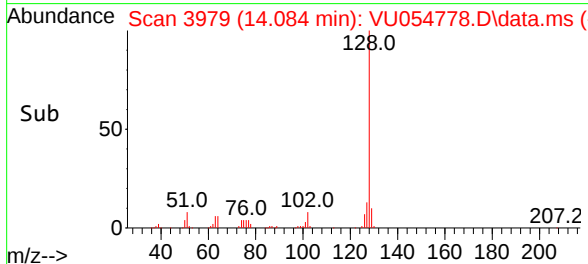
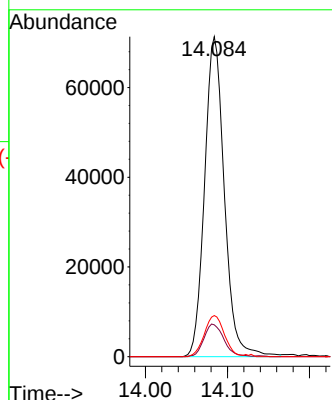
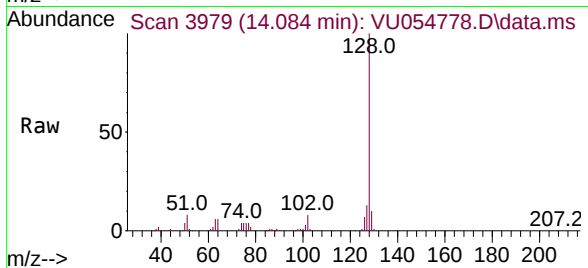
Tgt Ion:128 Resp: 119640

Ion Ratio Lower Upper

128 100

129 10.3 8.3 12.5

127 13.0 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.970 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054778.D

Acq: 12 Jul 2023 09:08

Tgt Ion:180 Resp: 72394

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 31.6 25.4 38.0

