

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060923\
 Data File : VU054477.D
 Acq On : 09 Jun 2023 21:02
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005178

Quant Time: Jun 12 01:04:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 12 00:58:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	289200	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	267422	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	138721	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	72847	3.958	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.911	69	77391	4.491	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.563	65	35002	4.258	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.200%
20) 2-Butanone-d5	4.644	46	251988	48.696	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.400%
24) Chloroform-d	5.058	84	194890	5.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.698	65	90975	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.724	84	356299	4.793	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.685	67	121097	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.894	98	316053	4.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	8.177	79	38958	4.513	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.631	63	158864	43.862	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.720%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	89964	4.859	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	112669	4.815	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	142416	5.270	ug/L	98
3) Chloromethane	1.515	50	162569	5.237	ug/L	98
5) Vinyl chloride	1.602	62	172696	5.420	ug/L	100
6) Bromomethane	1.856	94	94540	5.397	ug/L	99
8) Chloroethane	1.933	64	104150	5.453	ug/L	95
9) Trichlorofluoromethane	2.136	101	215333	5.497	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	124204	5.420	ug/L	99
12) 1,1-Dichloroethene	2.576	96	116974	5.577	ug/L	99
13) Acetone	2.666	43	163018	33.412	ug/L	98
14) Carbon disulfide	2.788	76	335078	5.387	ug/L	99
15) Methyl Acetate	2.962	43	41161	4.553	ug/L	97
16) Methylene chloride	3.042	84	127623	4.327	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	263529	5.090	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	115595	5.337	ug/L	98
19) 1,1-Dichloroethane	3.866	63	249007	5.556	ug/L	99
21) 2-Butanone	4.721	43	288275	45.526	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	131777	5.343	ug/L	96
23) Bromochloromethane	4.968	128	54087	5.270	ug/L	96
25) Chloroform	5.081	83	239190	5.413	ug/L	98

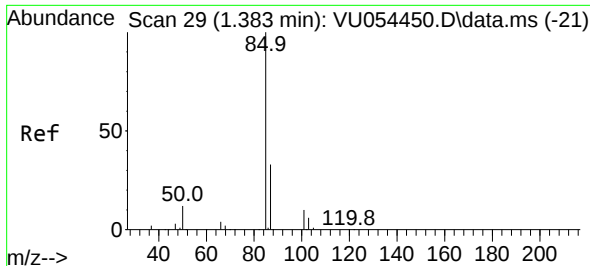
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	132925	5.132	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	204364	5.636	ug/L	99
30) Cyclohexane	5.383	56	205586	5.205	ug/L	99
31) Carbon tetrachloride	5.518	117	175432	5.614	ug/L	99
33) Benzene	5.769	78	520598	5.417	ug/L	100
34) Trichloroethene	6.537	95	142180	5.594	ug/L	95
35) Methylcyclohexane	6.759	83	195773	5.096	ug/L	99
37) 1,2-Dichloropropane	6.785	63	141597	5.449	ug/L	99
38) Bromodichloromethane	7.100	83	159812	5.433	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	188195	5.304	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	704676	50.814	ug/L	99
42) Toluene	7.965	91	552553	5.583	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	148637	5.162	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	89194	5.395	ug/L	98
47) Tetrachloroethene	8.547	164	100969	5.190	ug/L	99
48) 2-Hexanone	8.682	43	509385	49.297	ug/L	99
49) Dibromochloromethane	8.804	129	97658	5.626	ug/L	97
50) 1,2-Dibromoethane	8.920	107	81999	5.403	ug/L	99
51) Chlorobenzene	9.441	112	330919	5.364	ug/L	99
52) Ethylbenzene	9.566	91	582446	5.388	ug/L	99
53) m,p-Xylene	9.688	106	217599	5.480	ug/L	98
54) o-Xylene	10.097	106	209539	5.457	ug/L	99
55) Styrene	10.110	104	349516	5.423	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	103381	4.923	ug/L	96
59) Bromoform	10.287	173	55567	5.580	ug/L	98
60) Isopropylbenzene	10.479	105	570081	5.618	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	68949	4.918	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	451925	5.458	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	455522	5.417	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	256065	5.398	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	249694	5.245	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	231915	5.316	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	15225	4.942	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	180663	5.048	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	139235	4.705	ug/L	98
71) Naphthalene	14.081	128	190790	3.965	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	115717	4.551	ug/L	97

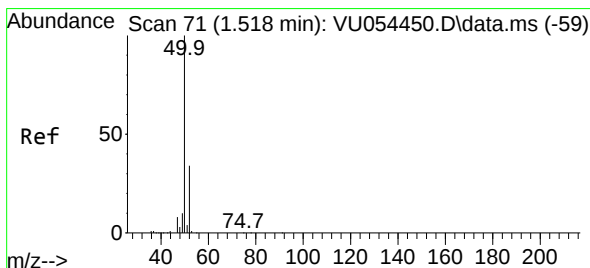
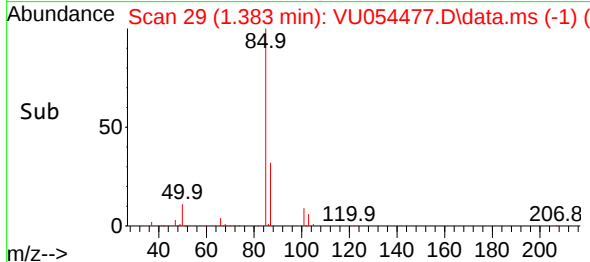
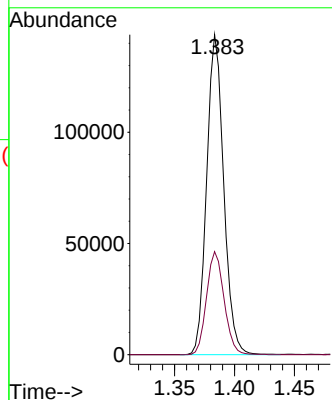
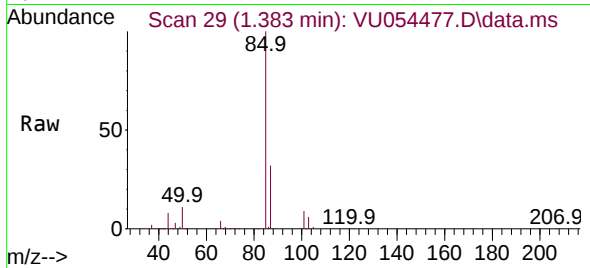
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.270 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054477.D
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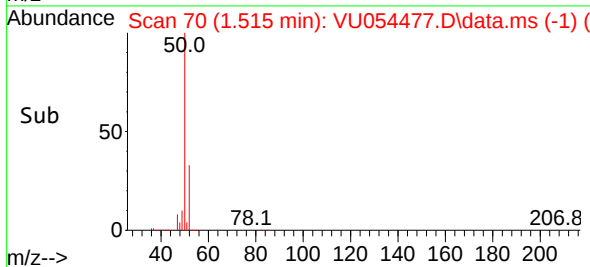
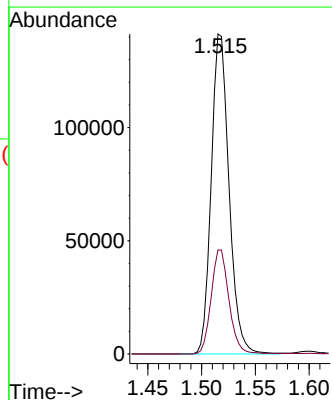
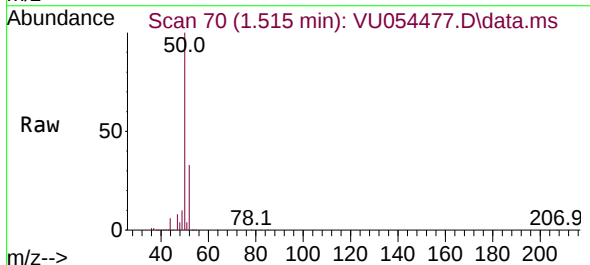
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MSVOA_U
ClientSampleId :
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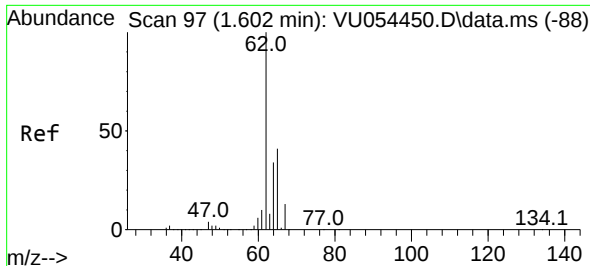
Tgt Ion: 85 Resp: 142416
Ion Ratio Lower Upper
85 100
87 33.1 25.4 38.2



#3
Chloromethane
Concen: 5.237 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 50 Resp: 162569
Ion Ratio Lower Upper
50 100
52 32.5 23.4 43.4

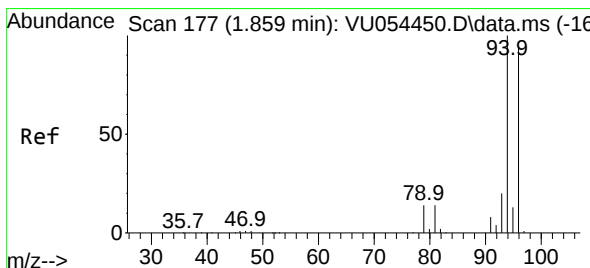
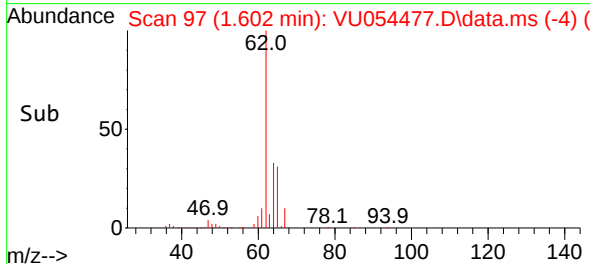
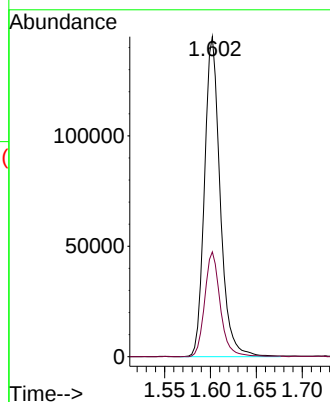
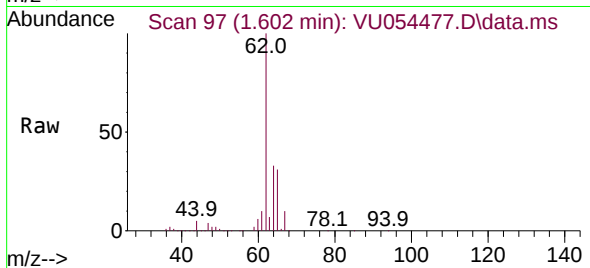




#5
 Vinyl chloride
 Concen: 5.420 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

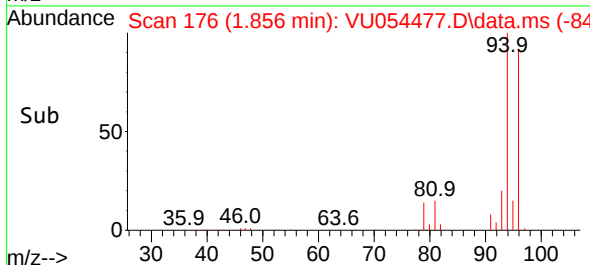
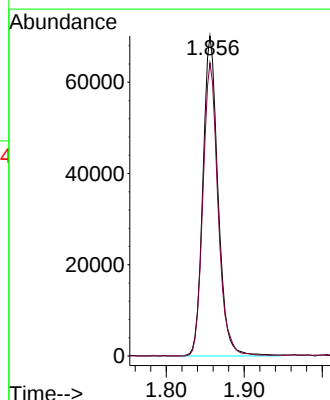
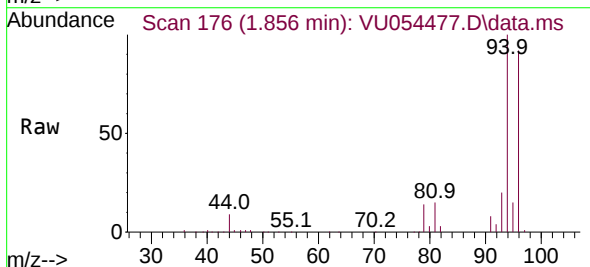
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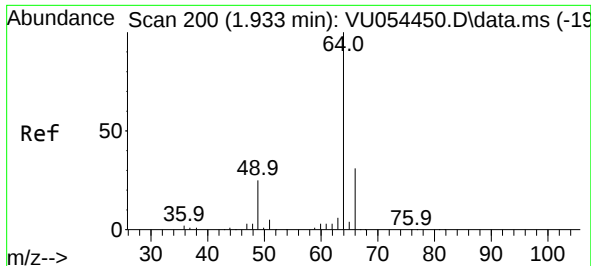
Tgt Ion: 62 Resp: 172696
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.0 42.6



#6
 Bromomethane
 Concen: 5.397 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

Tgt Ion: 94 Resp: 94540
 Ion Ratio Lower Upper
 94 100
 96 91.6 63.6 118.2

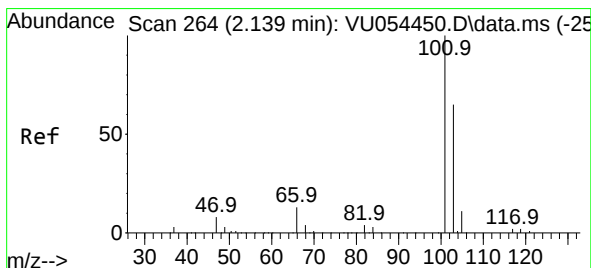
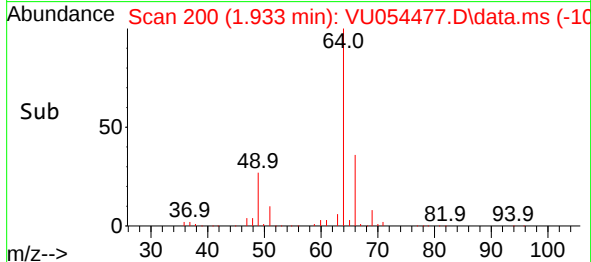
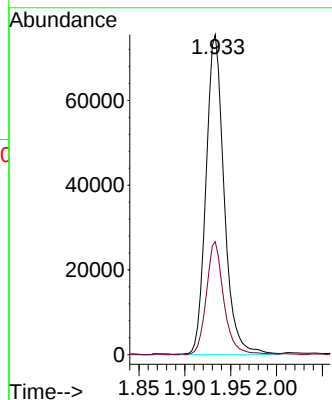
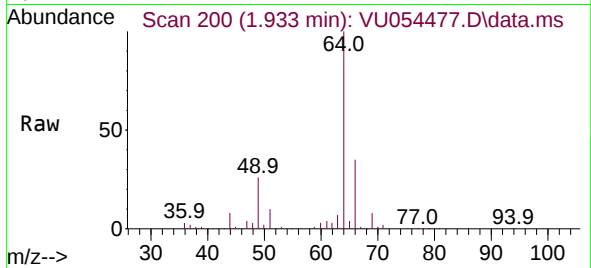




#8
Chloroethane
Concen: 5.453 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

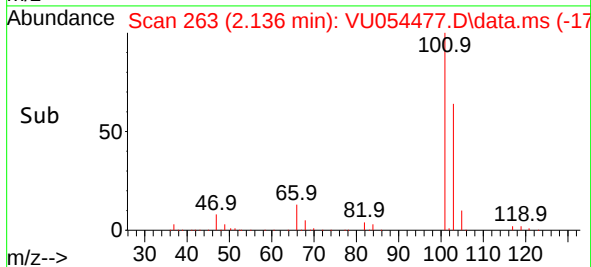
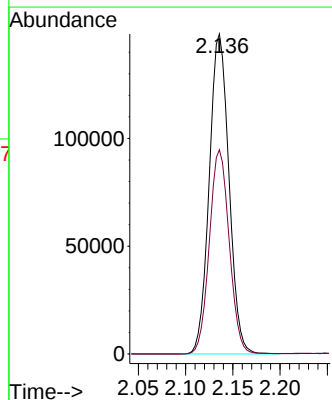
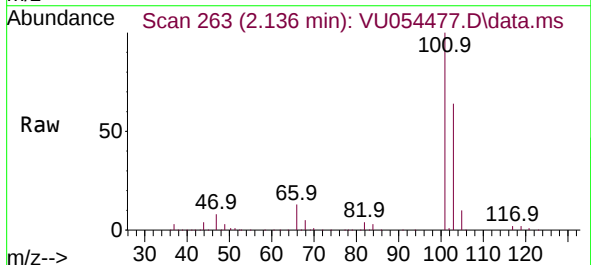
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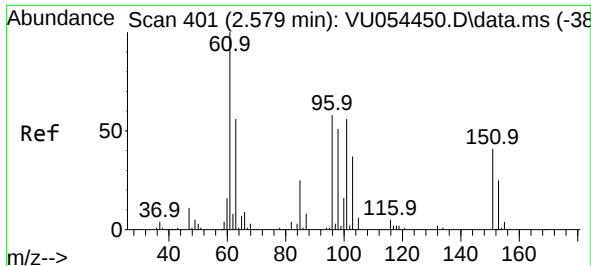
Tgt Ion: 64 Resp: 104150
Ion Ratio Lower Upper
64 100
66 35.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.497 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 101 Resp: 215333
Ion Ratio Lower Upper
101 100
103 64.2 50.6 75.8

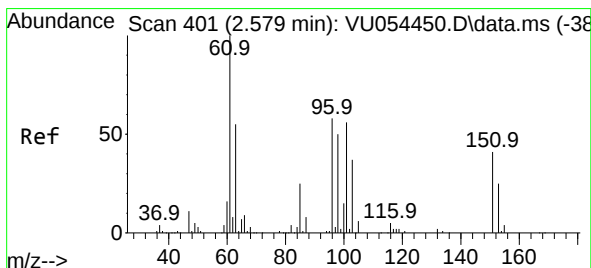
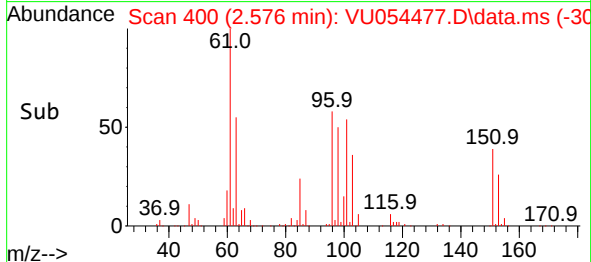
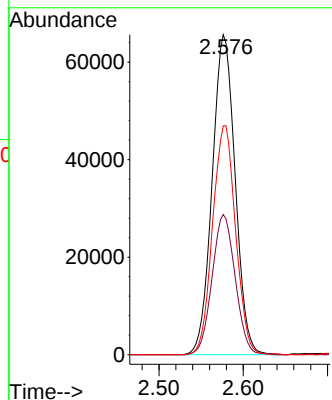
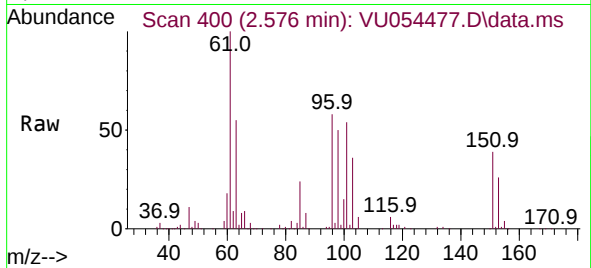




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.420 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

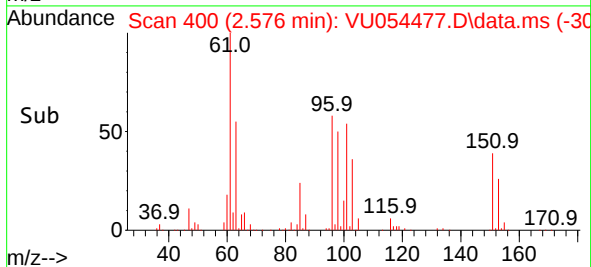
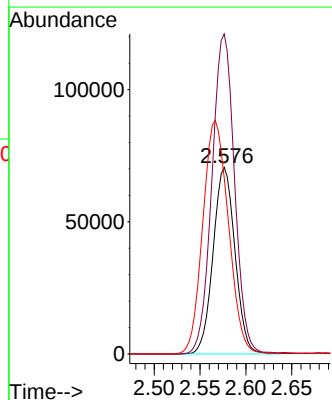
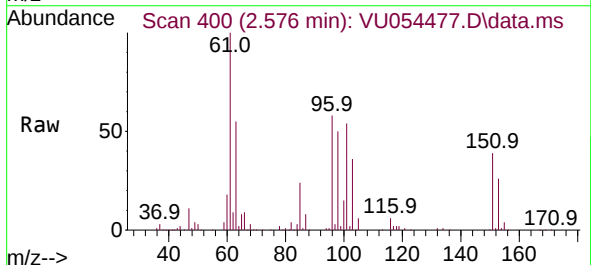
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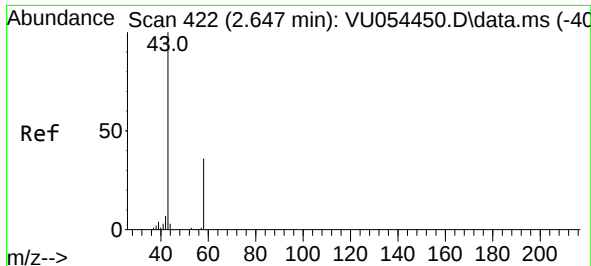
Tgt Ion:101 Resp: 124204
 Ion Ratio Lower Upper
 101 100
 85 44.0 34.6 51.8
 151 71.7 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.577 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

Tgt Ion: 96 Resp: 116974
 Ion Ratio Lower Upper
 96 100
 61 171.5 119.9 222.7
 63 94.5 64.3 119.3





#13

Acetone

Concen: 33.412 ug/L

RT: 2.666 min Scan# 41

Delta R.T. 0.019 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

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MSVOA_U

ClientSampleId :

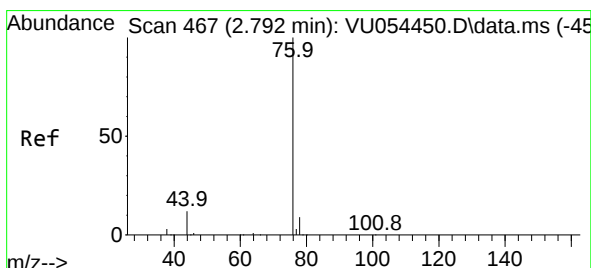
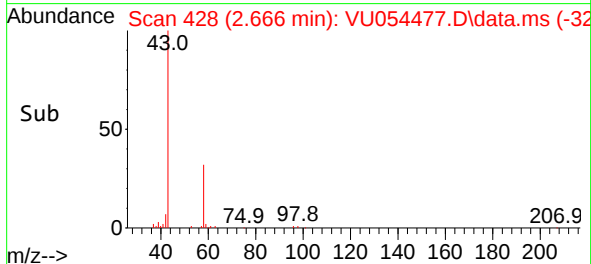
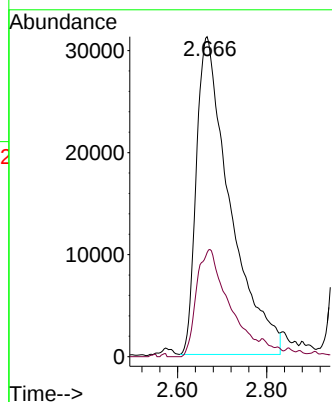
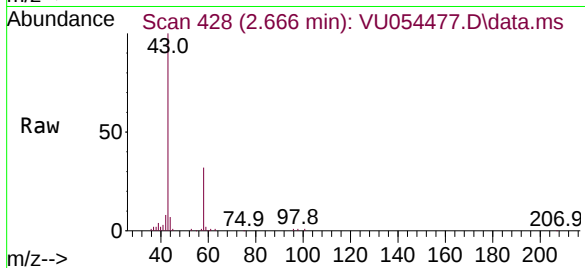
VSTD005178

Tgt Ion: 43 Resp: 163018

Ion Ratio Lower Upper

43 100

58 32.5 0.0 67.2



#14

Carbon disulfide

Concen: 5.387 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU054477.D

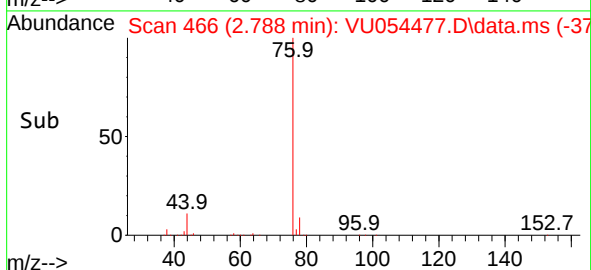
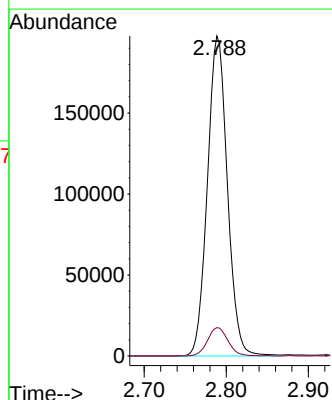
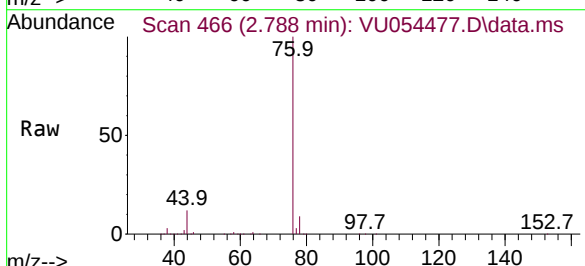
Acq: 09 Jun 2023 21:02

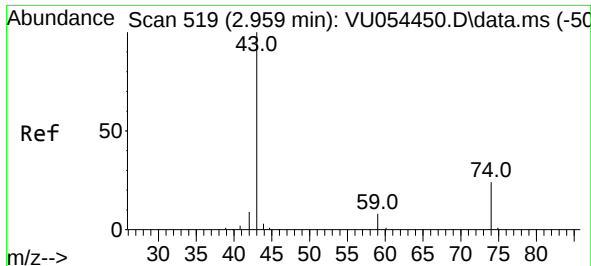
Tgt Ion: 76 Resp: 335078

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

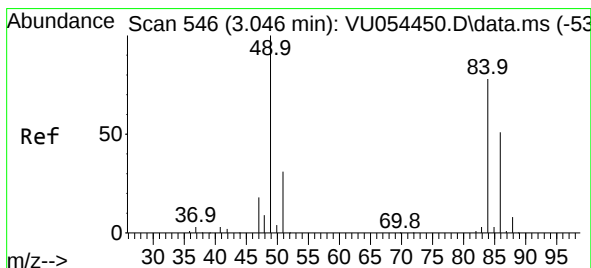
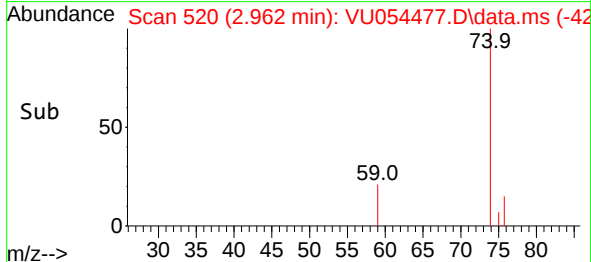
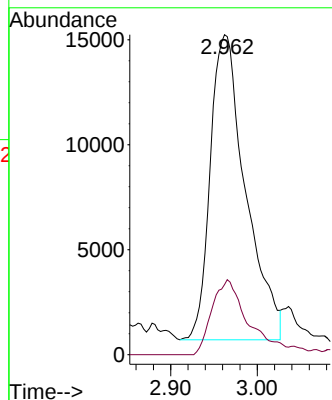
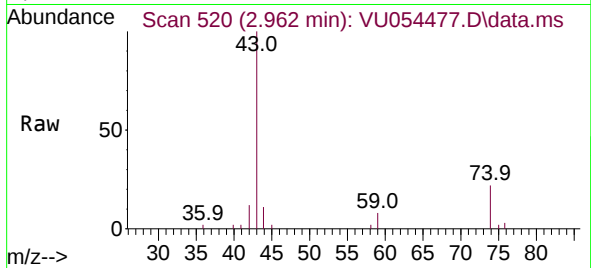




#15
Methyl Acetate
Concen: 4.553 ug/L
RT: 2.962 min Scan# 519
Delta R.T. 0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

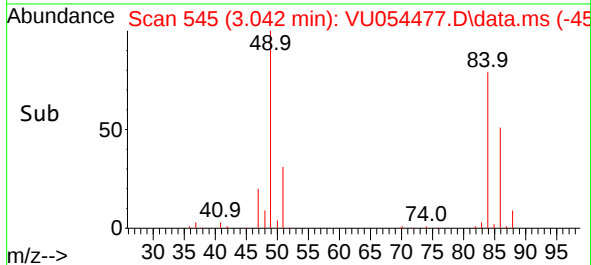
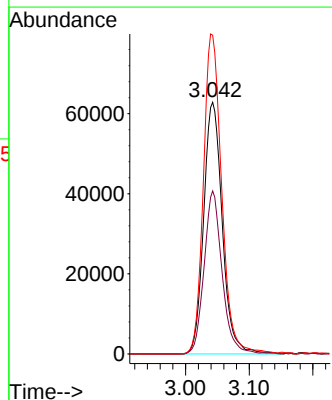
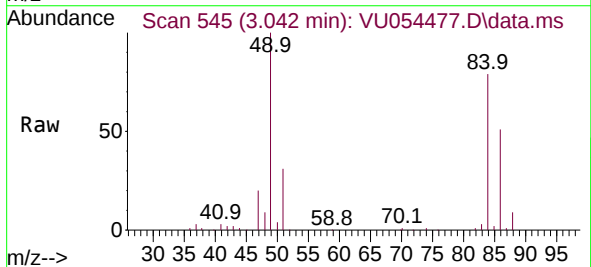
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

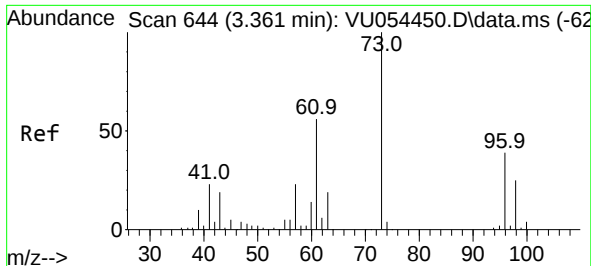
Tgt Ion: 43 Resp: 41161
Ion Ratio Lower Upper
43 100
74 25.2 19.0 28.6



#16
Methylene chloride
Concen: 4.327 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 84 Resp: 127623
Ion Ratio Lower Upper
84 100
86 64.8 43.9 81.5
49 126.6 86.1 159.9





#17

Methyl tert-butyl Ether

Concen: 5.090 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005178

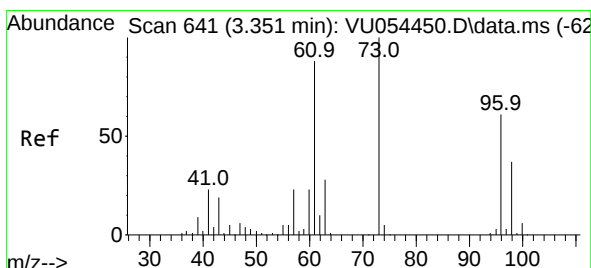
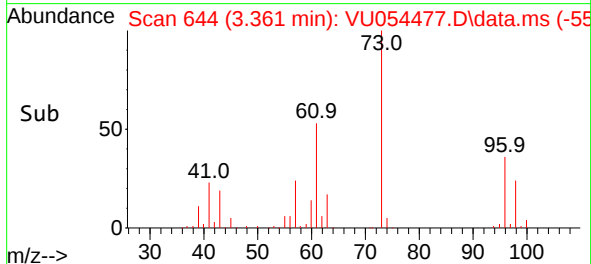
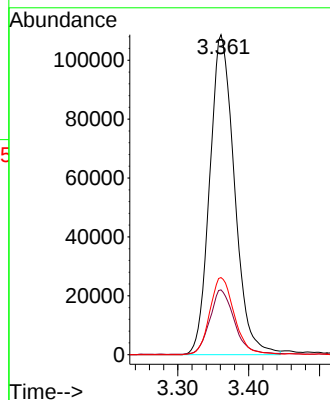
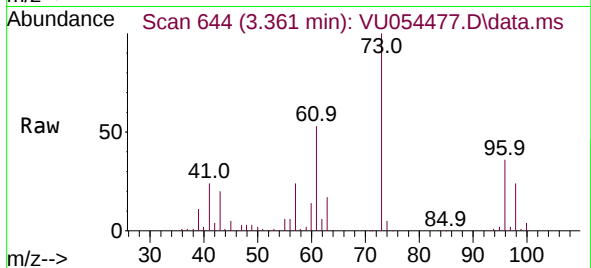
Tgt Ion: 73 Resp: 263529

Ion Ratio Lower Upper

73 100

43 20.1 15.7 23.5

57 24.0 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 5.337 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

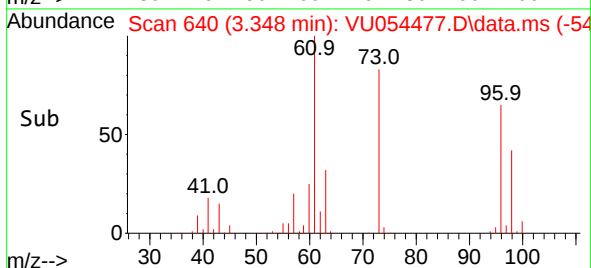
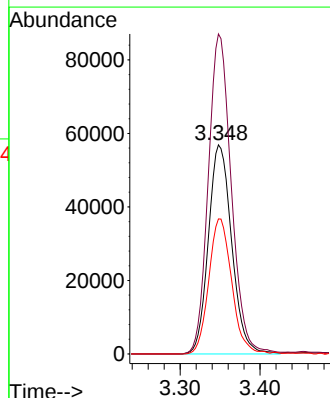
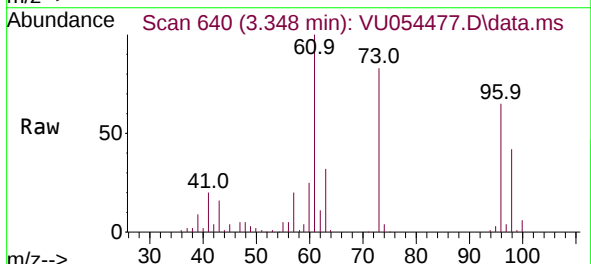
Tgt Ion: 96 Resp: 115595

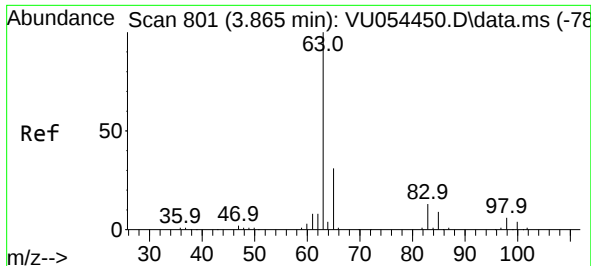
Ion Ratio Lower Upper

96 100

61 153.0 104.6 194.2

98 64.6 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.556 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005178

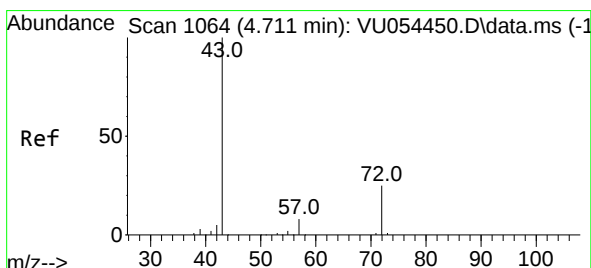
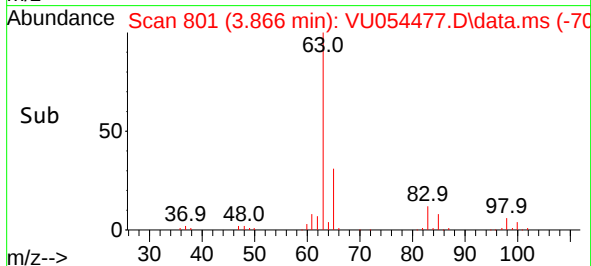
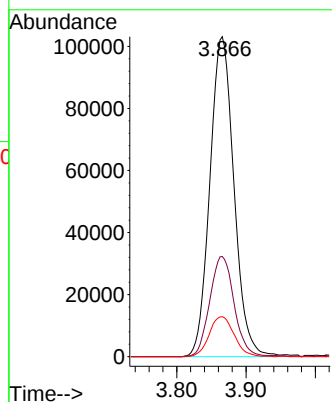
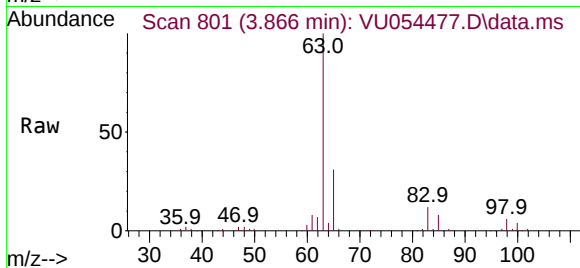
Tgt Ion: 63 Resp: 249007

Ion Ratio Lower Upper

63 100

65 31.3 22.2 41.2

83 12.5 9.0 16.6



#21

2-Butanone

Concen: 45.526 ug/L

RT: 4.721 min Scan# 1067

Delta R.T. 0.010 min

Lab File: VU054477.D

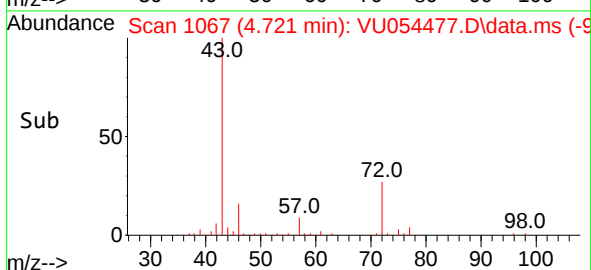
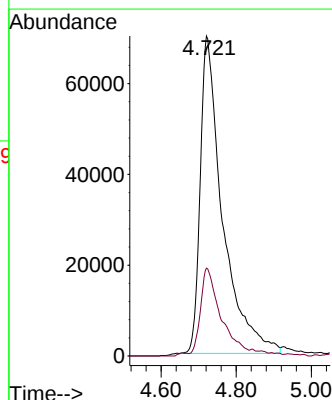
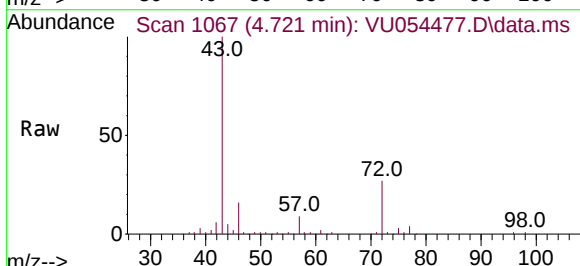
Acq: 09 Jun 2023 21:02

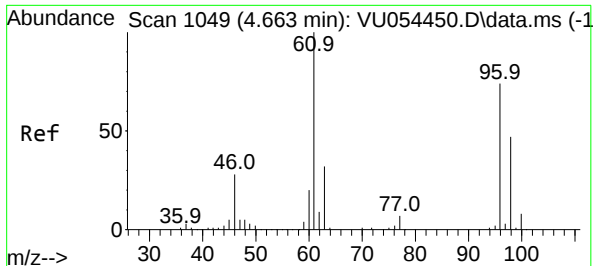
Tgt Ion: 43 Resp: 288275

Ion Ratio Lower Upper

43 100

72 23.9 13.4 40.1

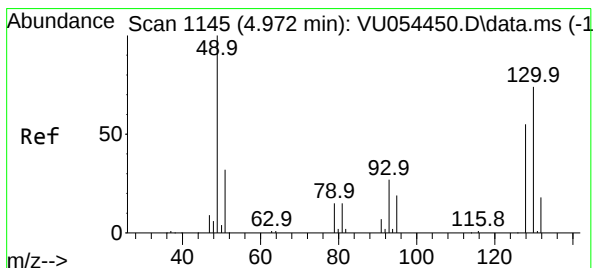
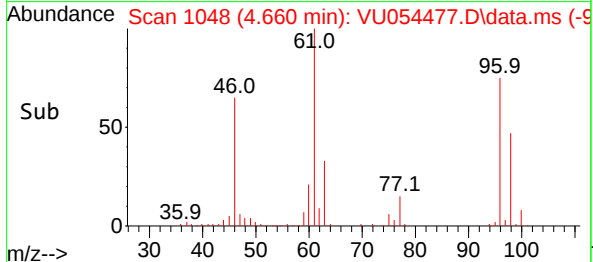
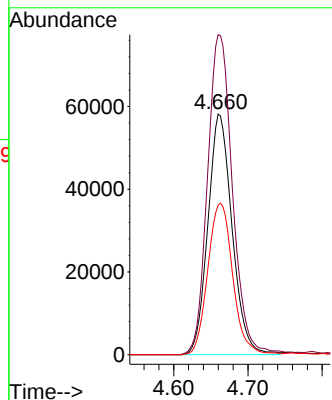
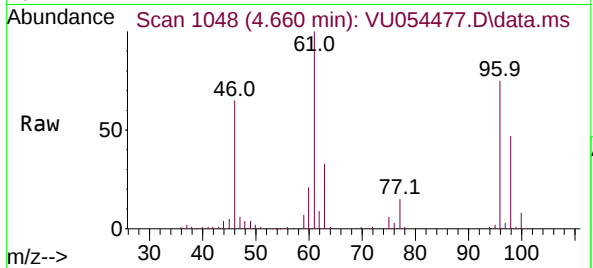




#22
 cis-1,2-Dichloroethene
 Concen: 5.343 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

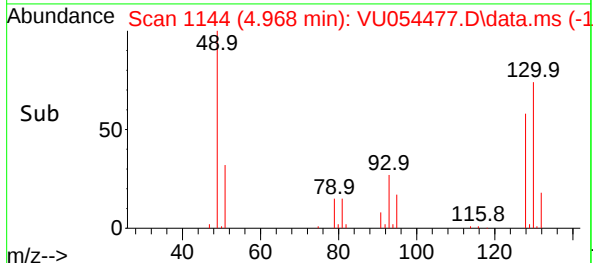
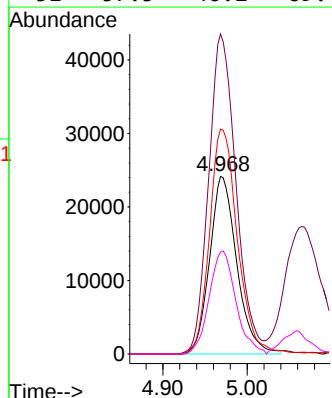
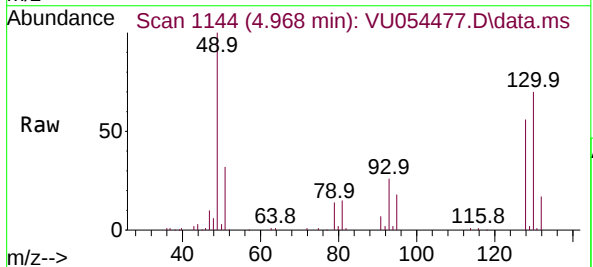
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005178

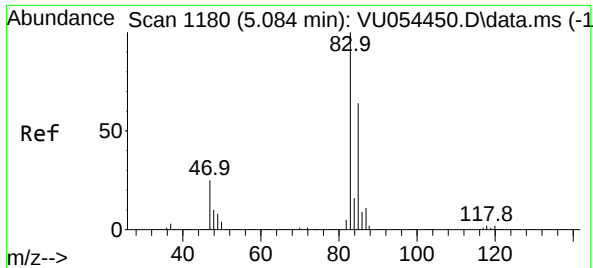
Tgt Ion: 96 Resp: 131777
 Ion Ratio Lower Upper
 96 100
 61 132.9 96.5 179.1
 98 62.1 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.270 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

Tgt Ion: 128 Resp: 54087
 Ion Ratio Lower Upper
 128 100
 49 180.1 132.1 245.3
 130 126.6 91.5 169.9
 51 57.5 46.2 69.4

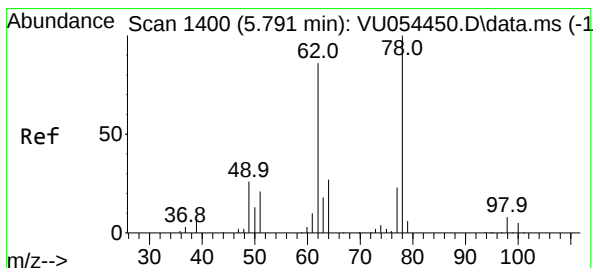
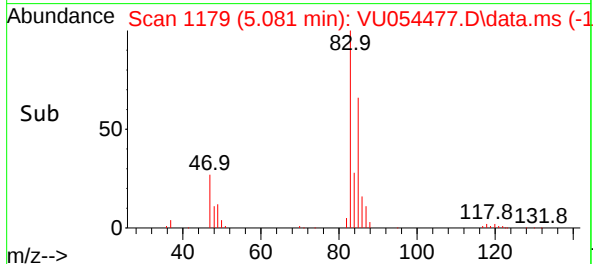
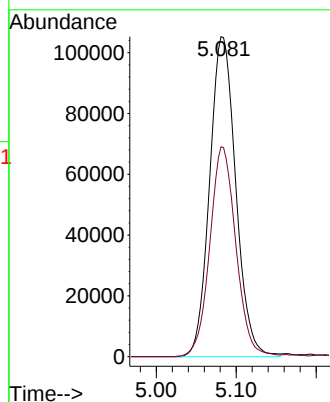
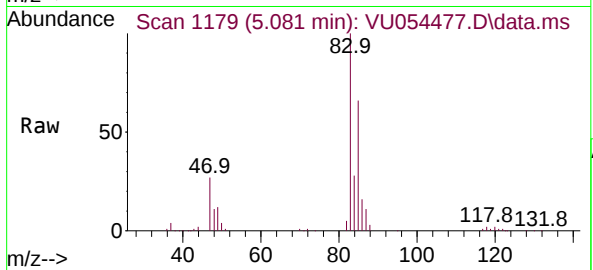




#25
Chloroform
Concen: 5.413 ug/L
RT: 5.081 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

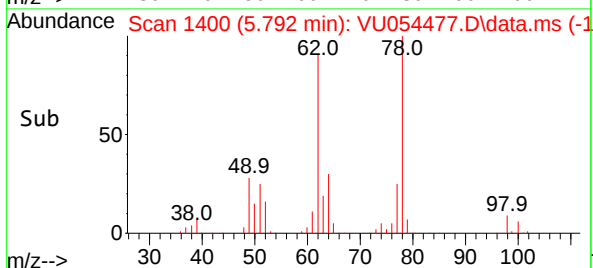
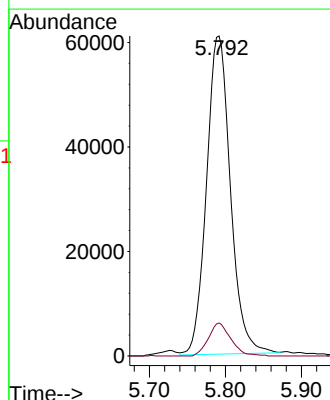
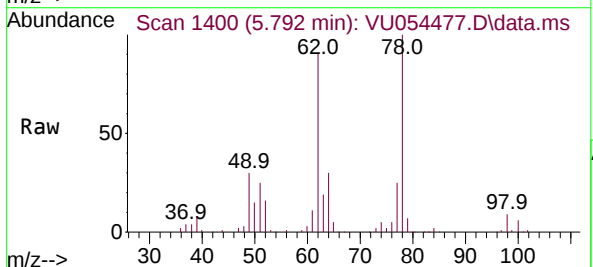
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

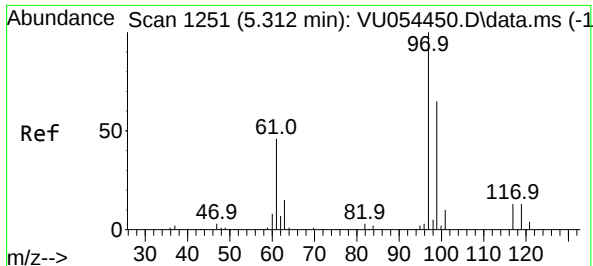
Tgt Ion: 83 Resp: 239190
Ion Ratio Lower Upper
83 100
85 65.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.132 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 62 Resp: 132925
Ion Ratio Lower Upper
62 100
98 10.3 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.636 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005178

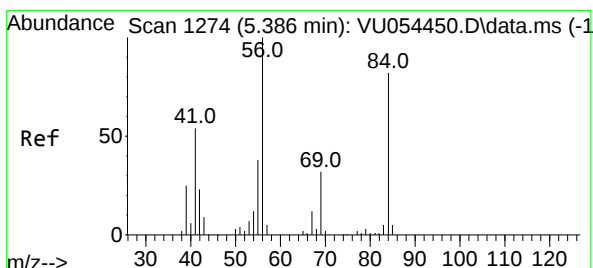
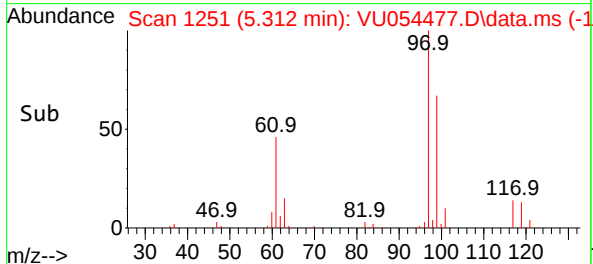
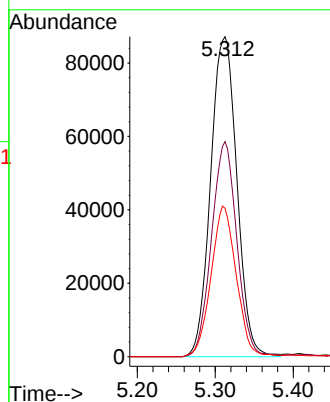
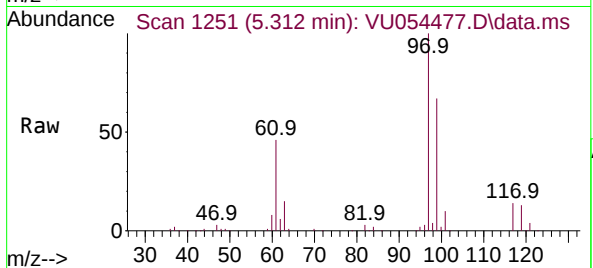
Tgt Ion: 97 Resp: 204364

Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 45.2 36.1 54.1



#30

Cyclohexane

Concen: 5.205 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

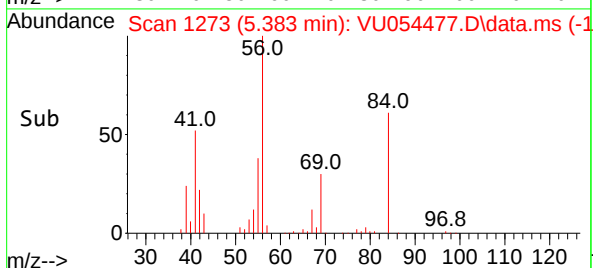
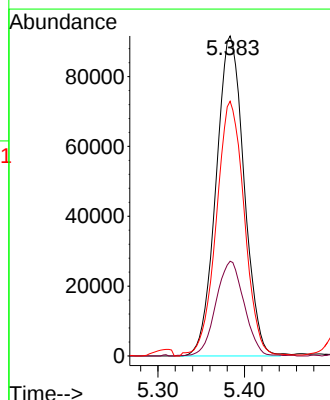
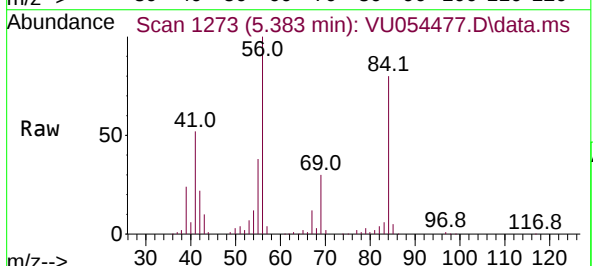
Tgt Ion: 56 Resp: 205586

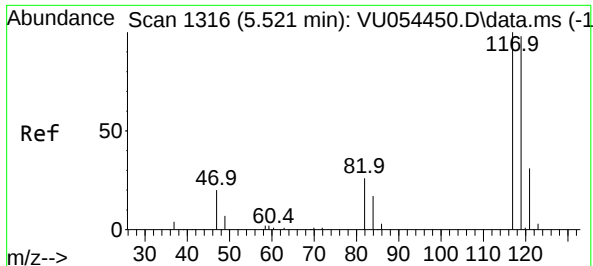
Ion Ratio Lower Upper

56 100

69 29.3 23.9 35.9

84 79.8 63.0 94.6

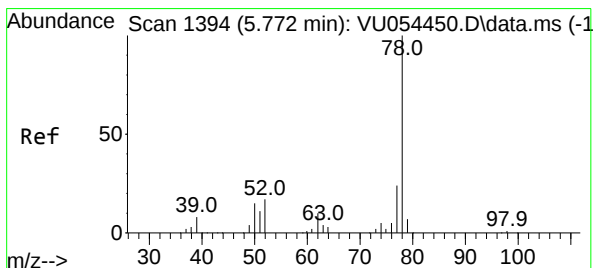
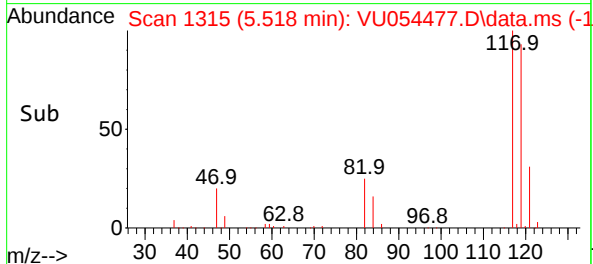
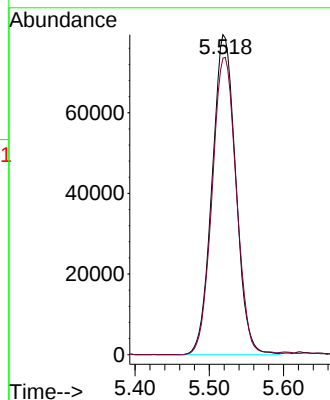
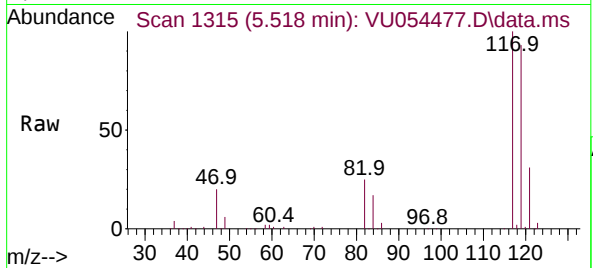




#31
Carbon tetrachloride
Concen: 5.614 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

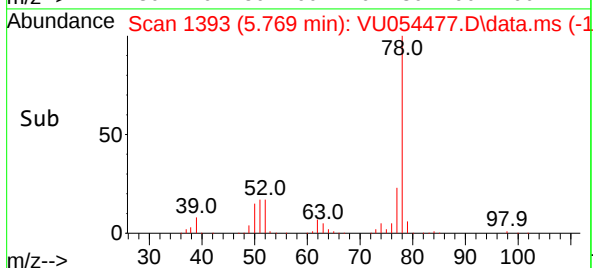
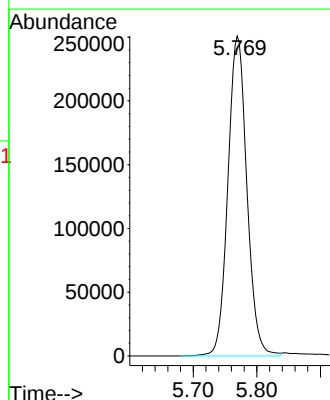
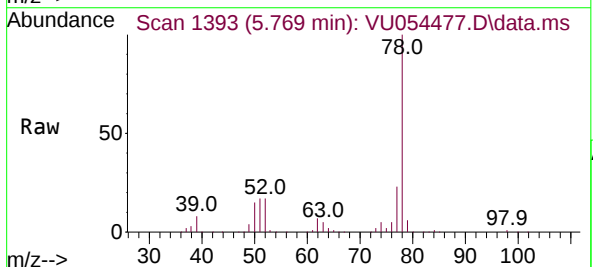
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

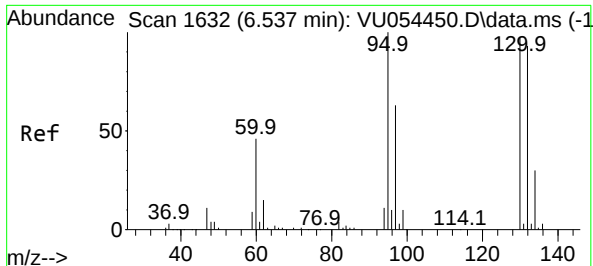
Tgt Ion:117 Resp: 175432
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2



#33
Benzene
Concen: 5.417 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 78 Resp: 520598

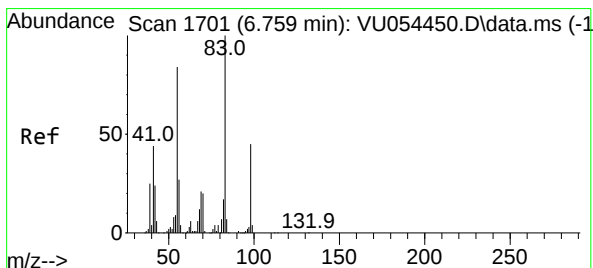
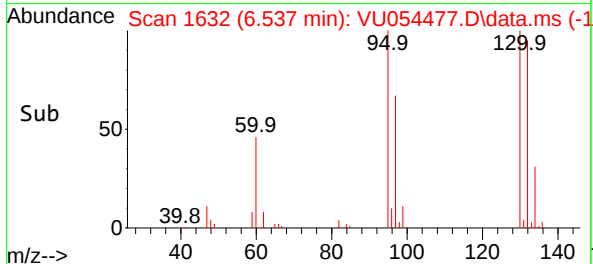
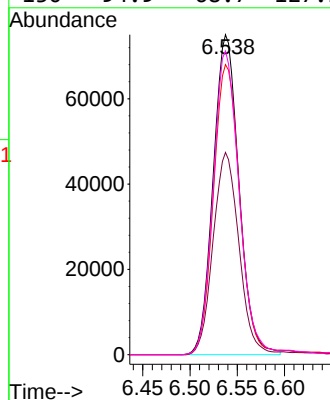
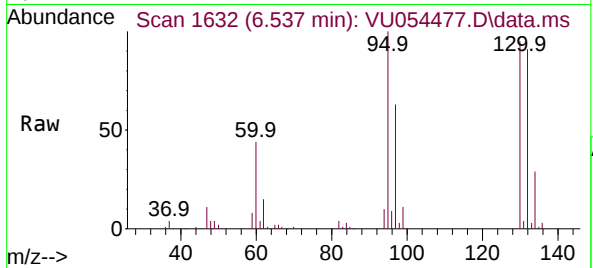




#34
Trichloroethene
Concen: 5.594 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

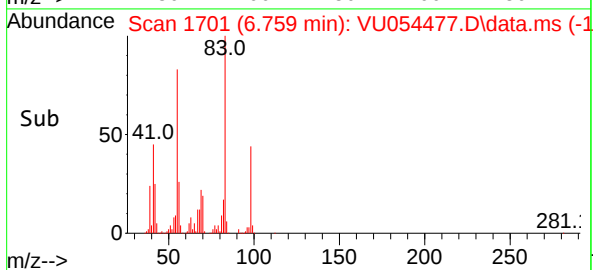
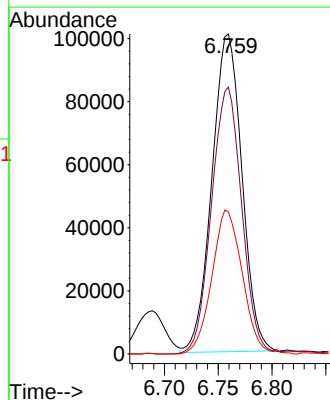
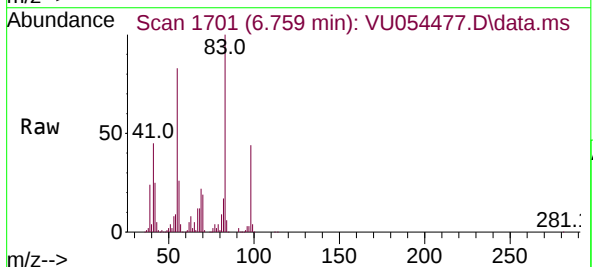
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

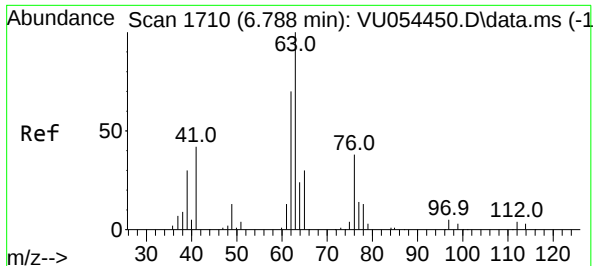
Tgt Ion: 95 Resp: 142180
Ion Ratio Lower Upper
95 100
97 63.2 46.8 87.0
132 90.7 68.4 127.0
130 94.9 68.7 127.5



#35
Methylcyclohexane
Concen: 5.096 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 83 Resp: 195773
Ion Ratio Lower Upper
83 100
55 84.5 67.1 100.7
98 45.7 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.449 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

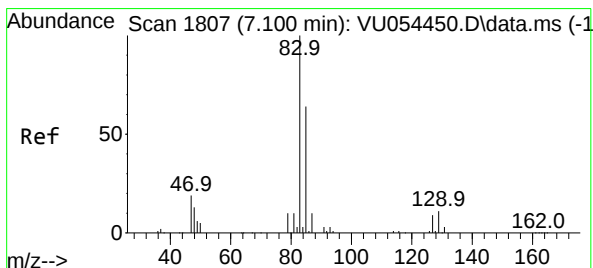
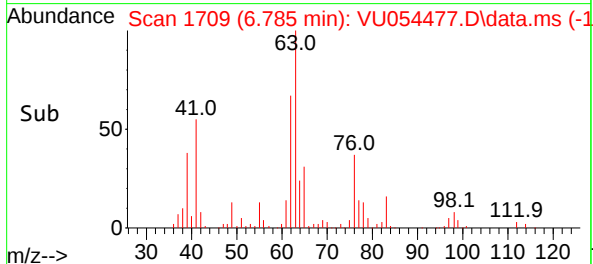
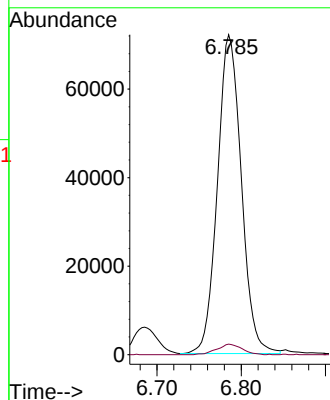
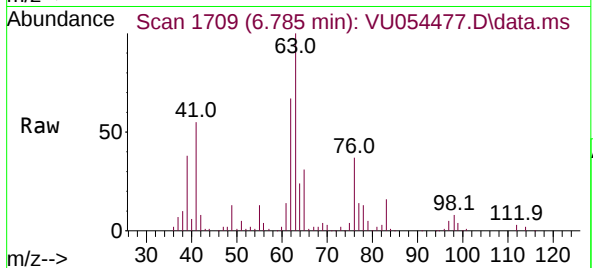
VSTD005178

Tgt Ion: 63 Resp: 141597

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 5.433 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

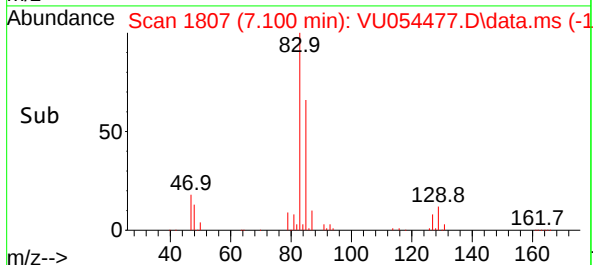
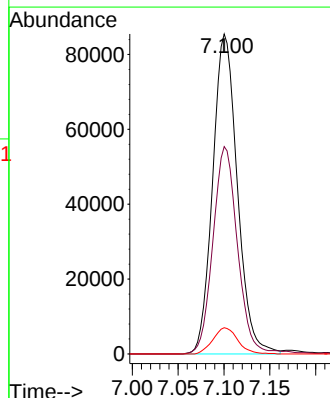
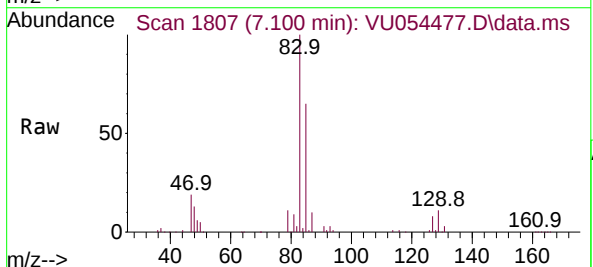
Tgt Ion: 83 Resp: 159812

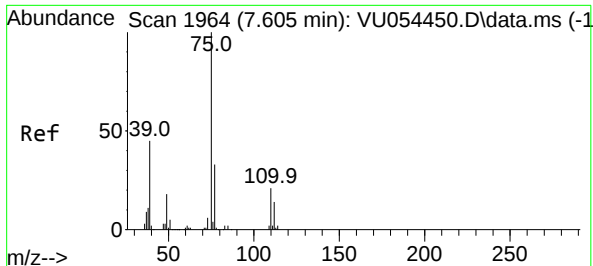
Ion Ratio Lower Upper

83 100

85 64.8 44.1 81.9

127 8.2 6.6 10.0

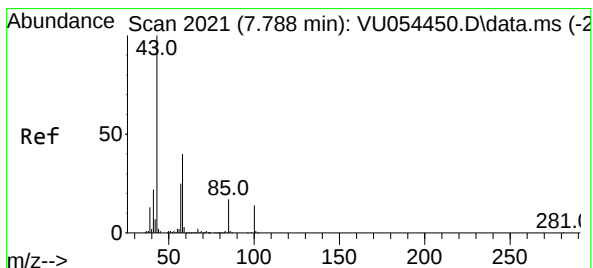
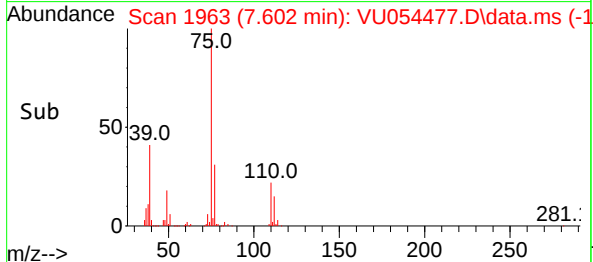
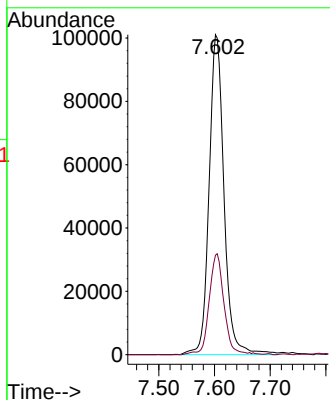
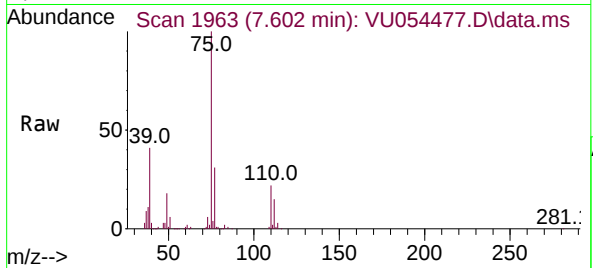




#39
 cis-1,3-Dichloropropene
 Concen: 5.304 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

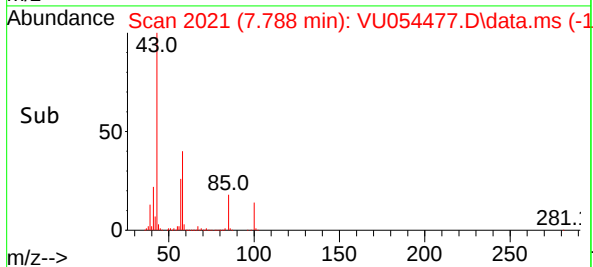
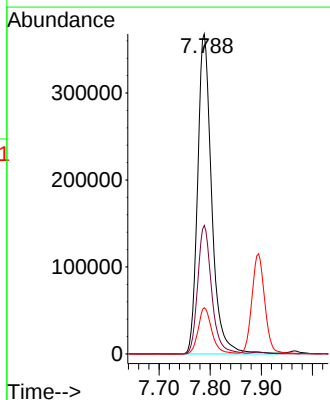
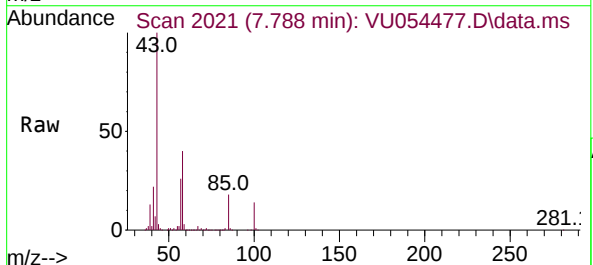
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005178

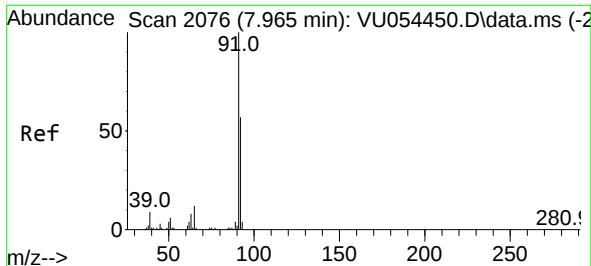
Tgt Ion: 75 Resp: 188195
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 50.814 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

Tgt Ion: 43 Resp: 704676
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.4 48.6
 100 14.0 11.4 17.2





#42

Toluene

Concen: 5.583 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

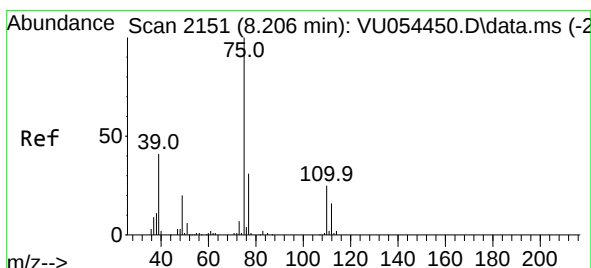
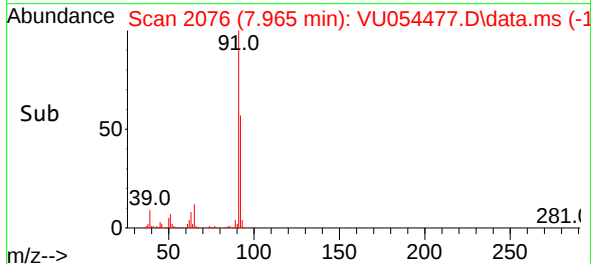
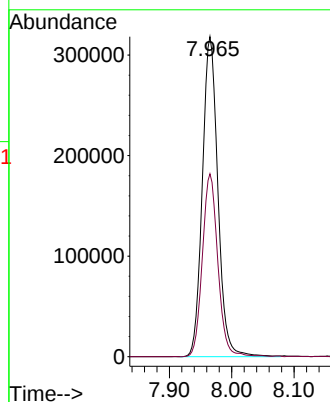
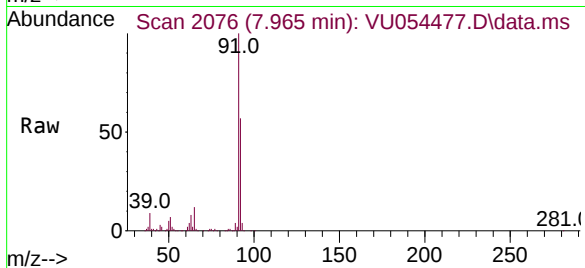
VSTD005178

Tgt Ion: 91 Resp: 552553

Ion Ratio Lower Upper

91 100

92 57.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.162 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054477.D

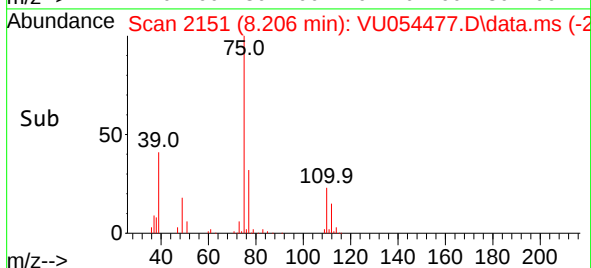
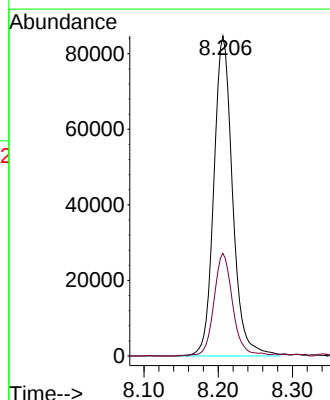
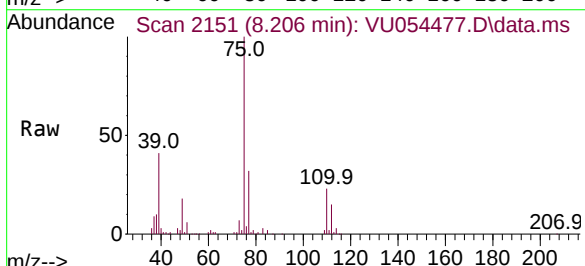
Acq: 09 Jun 2023 21:02

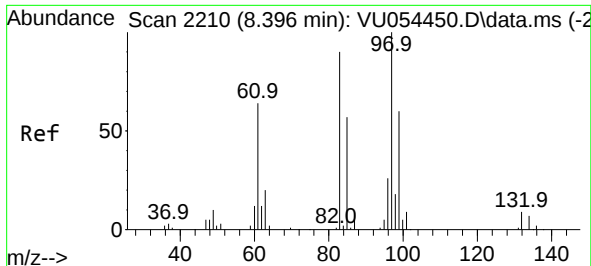
Tgt Ion: 75 Resp: 148637

Ion Ratio Lower Upper

75 100

77 32.1 21.3 39.6

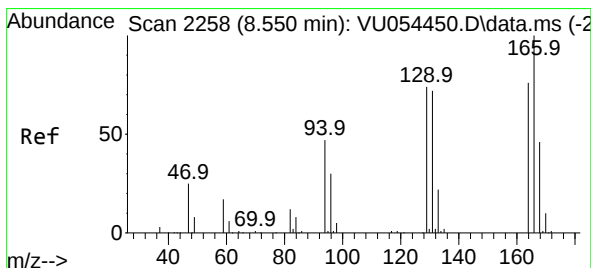
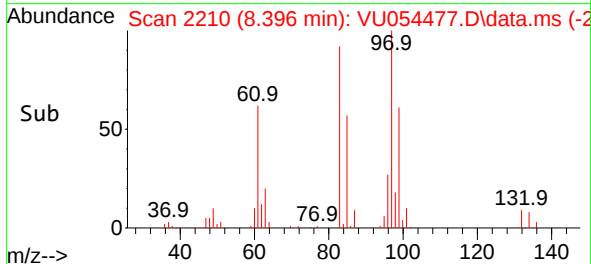
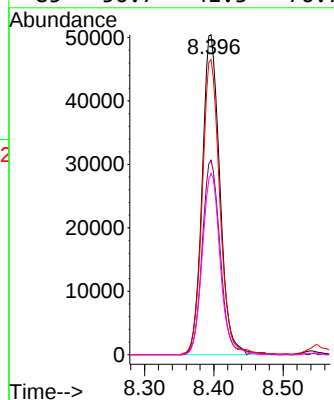
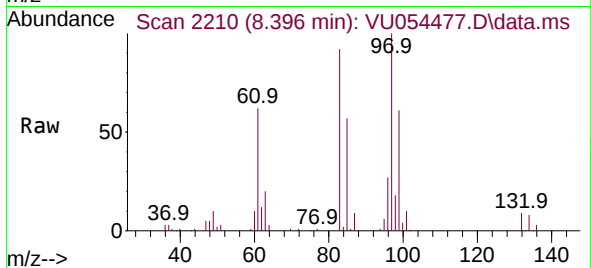




#45
1,1,2-Trichloroethane
Concen: 5.395 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

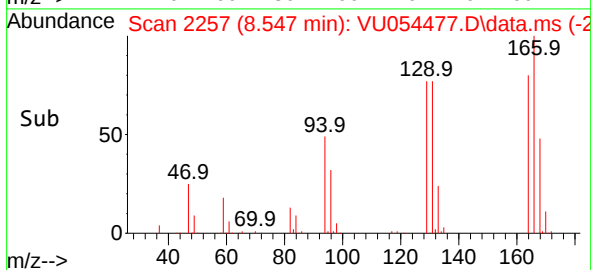
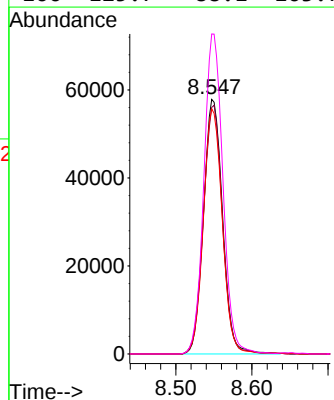
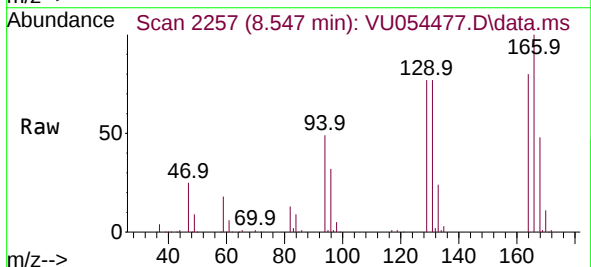
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

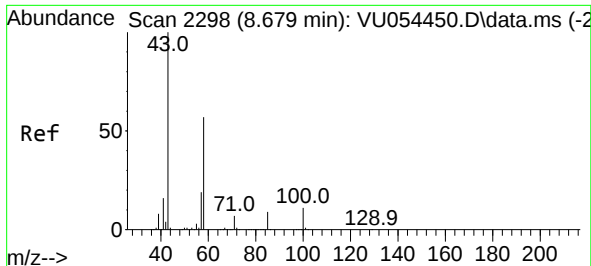
Tgt Ion:	97	Resp:	89194
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.0	80.0
83	92.2	63.8	118.6
85	56.7	41.3	76.7



#47
Tetrachloroethene
Concen: 5.190 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion:	164	Resp:	100969
Ion	Ratio	Lower	Upper
164	100		
129	96.8	67.7	125.7
131	96.3	64.6	120.0
166	125.7	88.1	163.7

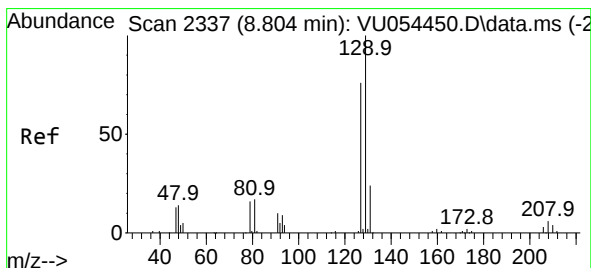
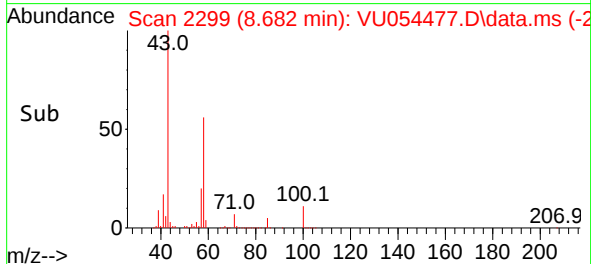
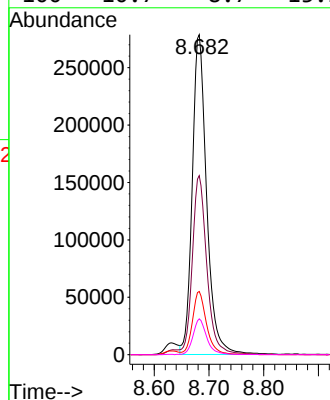
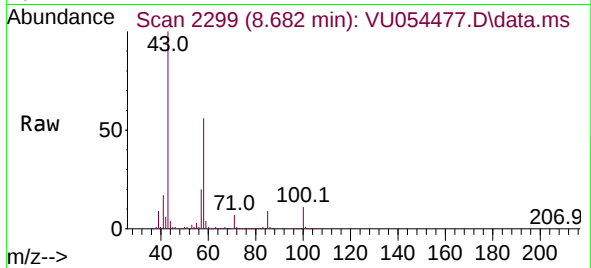




#48
2-Hexanone
Concen: 49.297 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

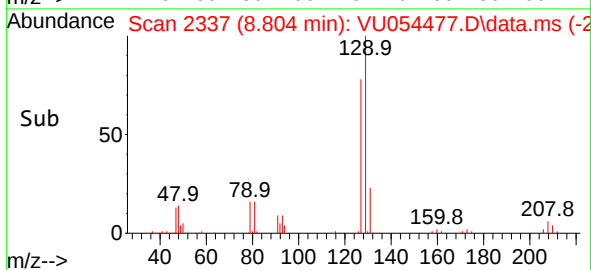
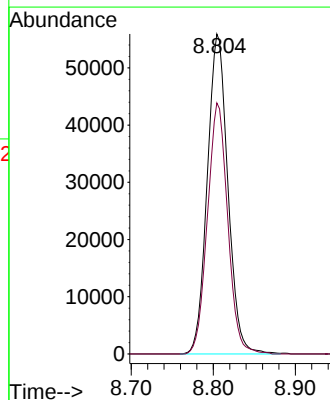
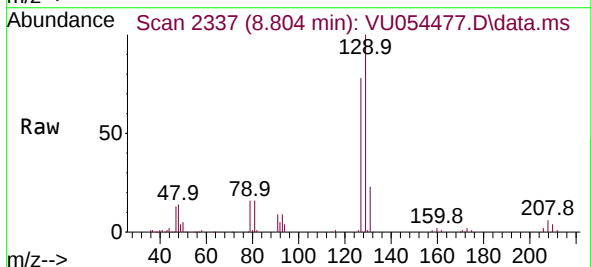
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

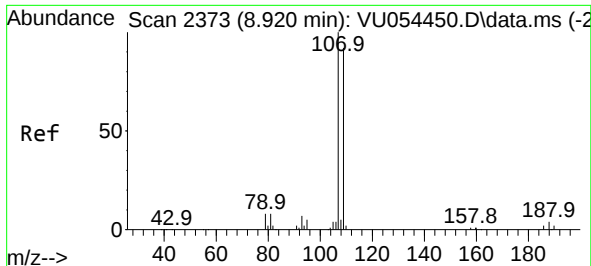
Tgt Ion: 43 Resp: 509385
Ion Ratio Lower Upper
43 100
58 56.3 45.2 67.8
57 19.0 15.8 23.6
100 10.7 8.7 13.1



#49
Dibromochloromethane
Concen: 5.626 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 129 Resp: 97658
Ion Ratio Lower Upper
129 100
127 78.4 53.2 98.8

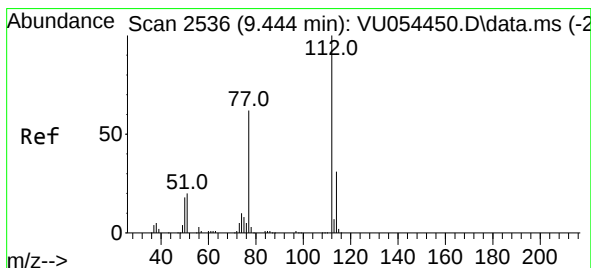
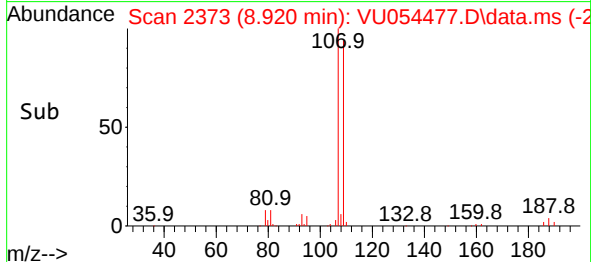
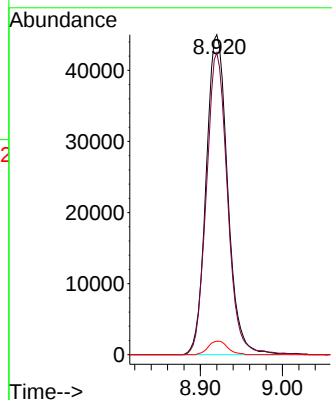
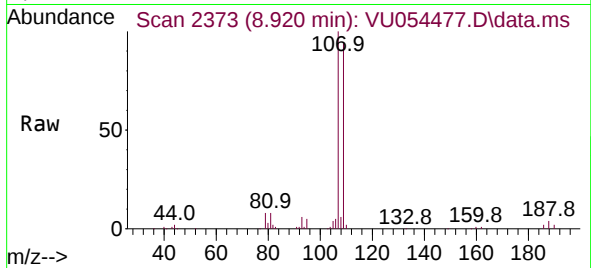




#50
1,2-Dibromoethane
Concen: 5.403 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

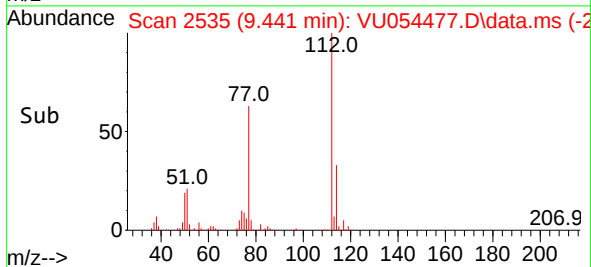
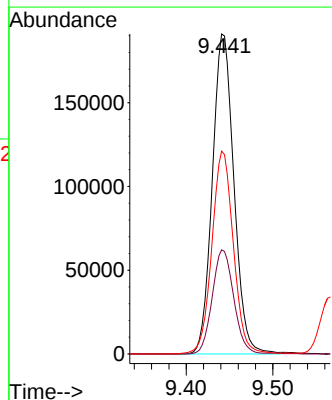
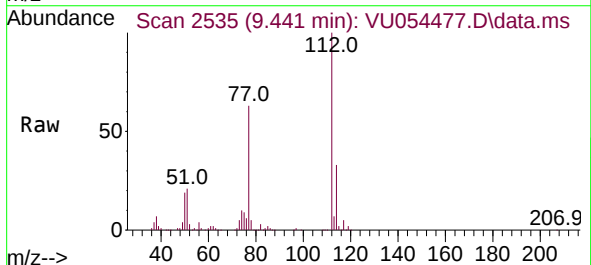
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

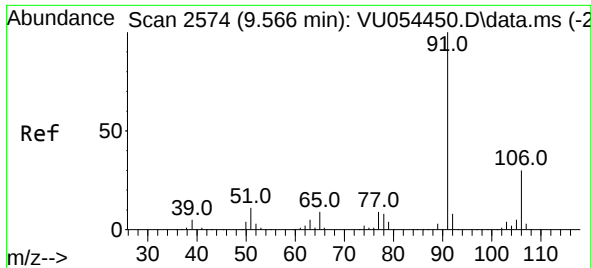
Tgt Ion:107 Resp: 81999
Ion Ratio Lower Upper
107 100
109 94.4 66.6 123.6
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 5.364 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion:112 Resp: 330919
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.1
77 63.4 49.8 74.8

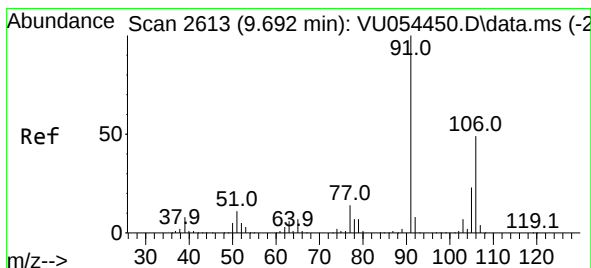
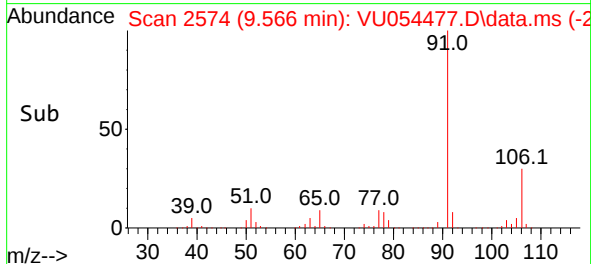
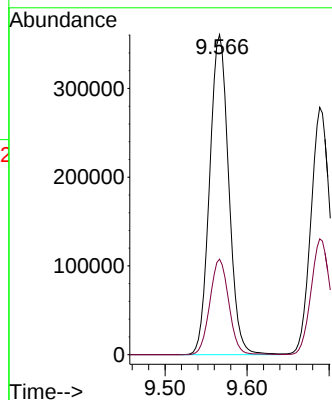
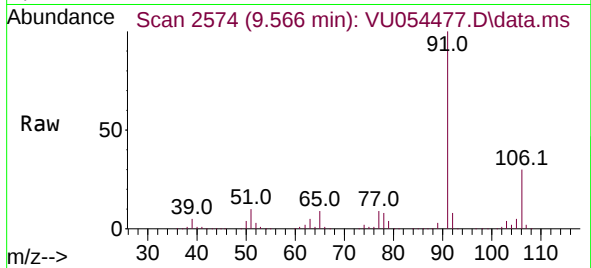




#52
Ethylbenzene
Concen: 5.388 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

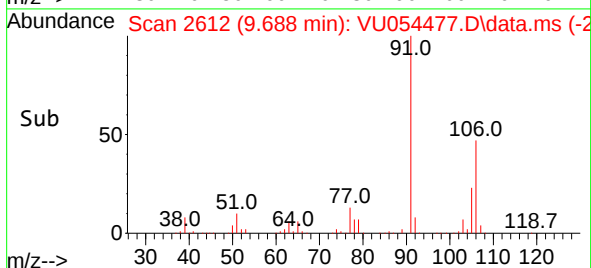
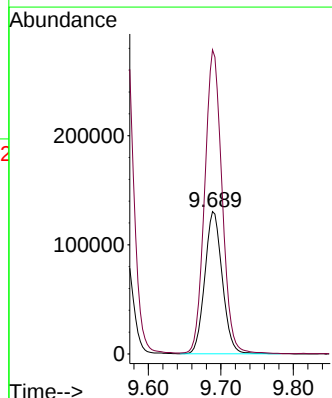
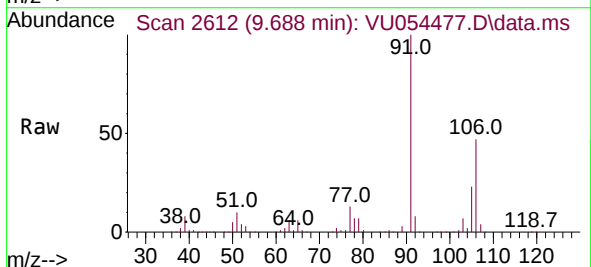
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

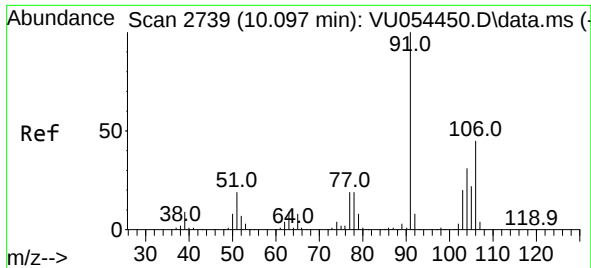
Tgt Ion: 91 Resp: 582446
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 5.480 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 106 Resp: 217599
Ion Ratio Lower Upper
106 100
91 213.6 147.0 273.0

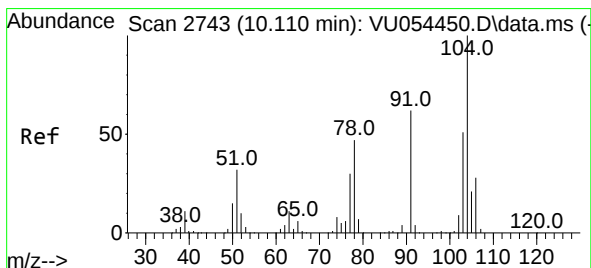
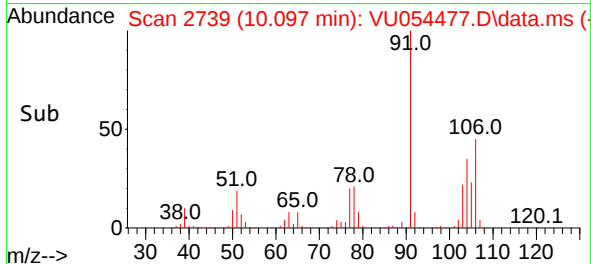
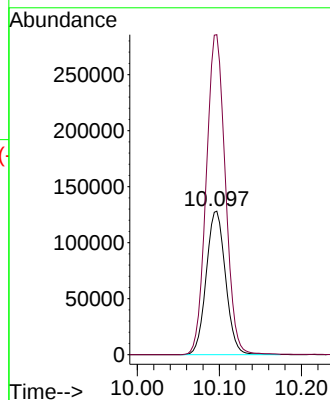
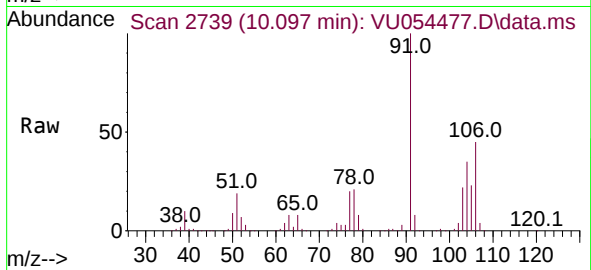




#54
o-Xylene
Concen: 5.457 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

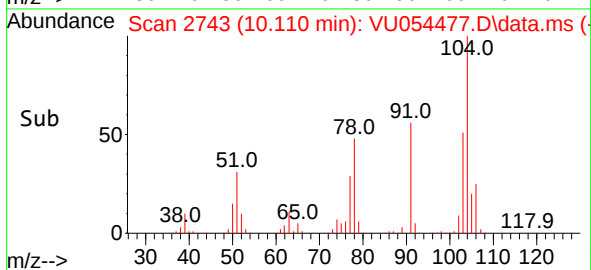
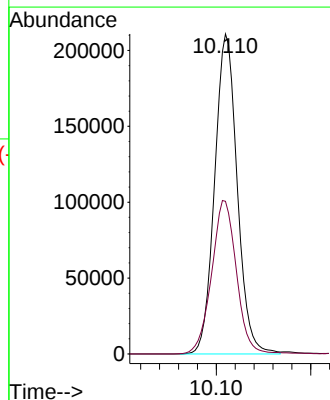
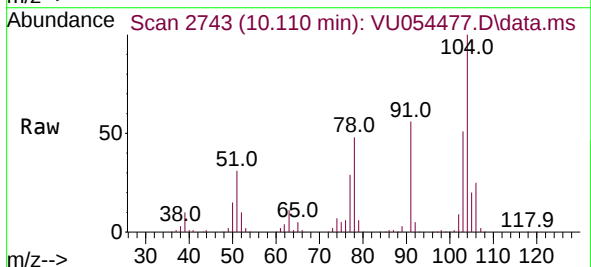
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

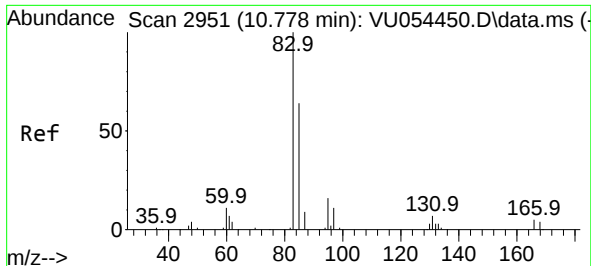
Tgt Ion:106 Resp: 209539
Ion Ratio Lower Upper
106 100
91 223.0 154.5 286.9



#55
Styrene
Concen: 5.423 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion:104 Resp: 349516
Ion Ratio Lower Upper
104 100
78 47.7 33.0 61.4

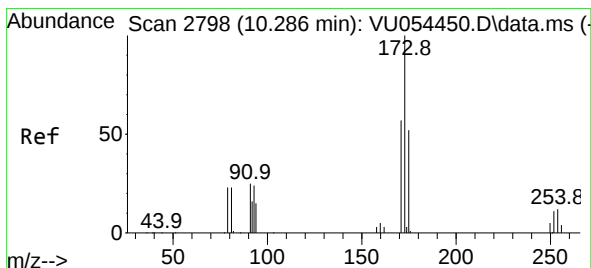
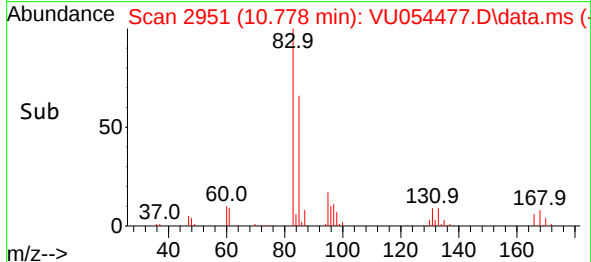
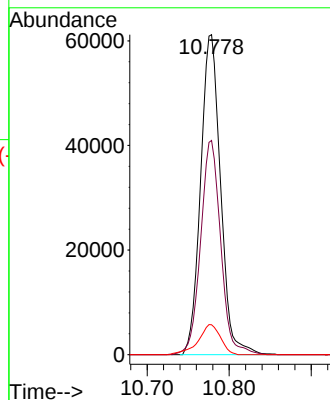
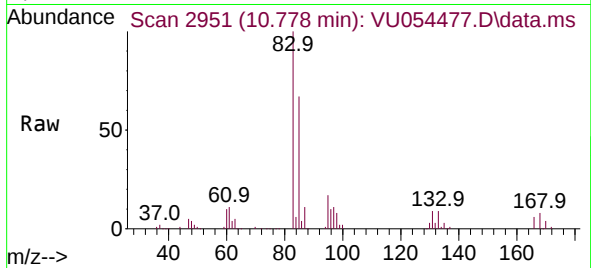




#57
1,1,2,2-Tetrachloroethane
Concen: 4.923 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

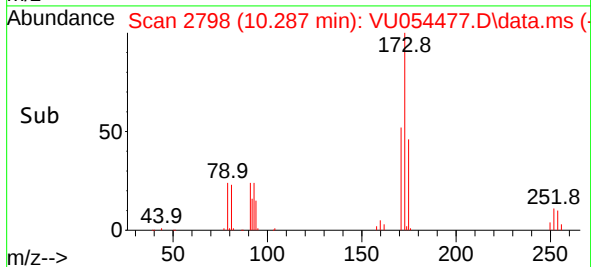
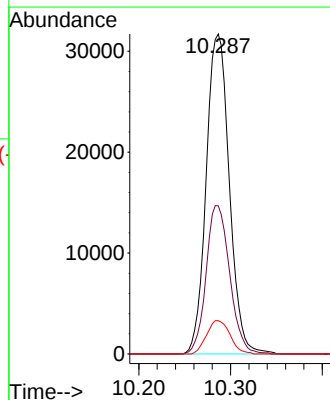
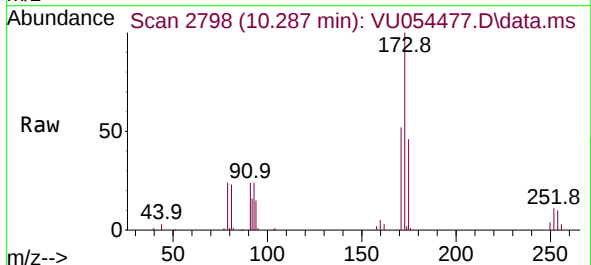
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

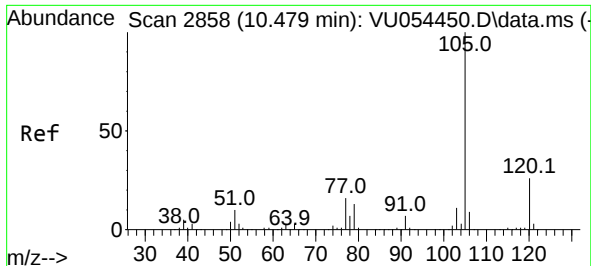
Tgt Ion: 83 Resp: 103381
Ion Ratio Lower Upper
83 100
85 66.9 44.2 82.2
131 9.3 7.0 10.6



#59
Bromoform
Concen: 5.580 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 173 Resp: 55567
Ion Ratio Lower Upper
173 100
175 47.3 39.4 59.0
254 10.6 8.6 12.8

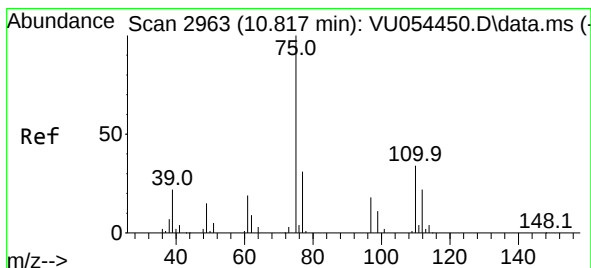
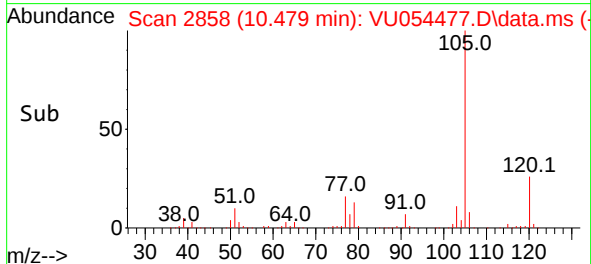
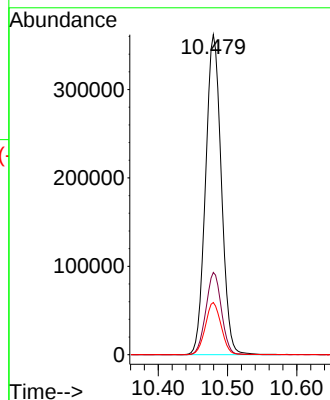
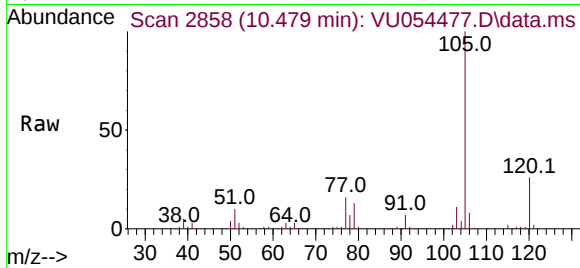




#60
Isopropylbenzene
Concen: 5.618 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

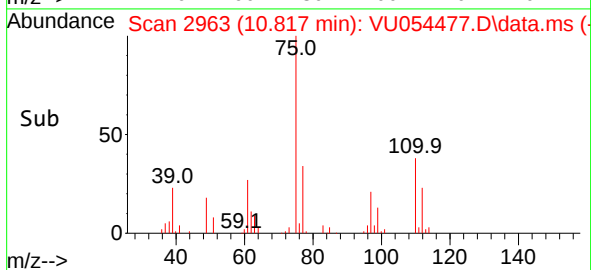
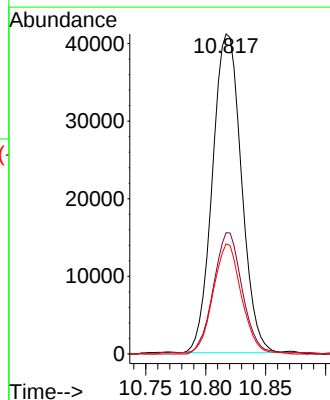
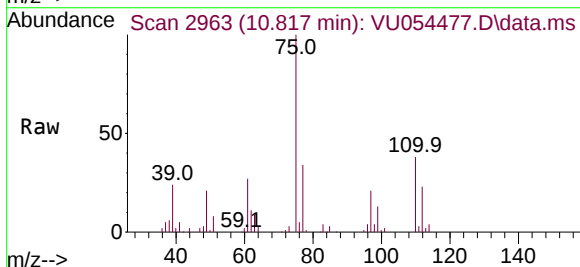
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

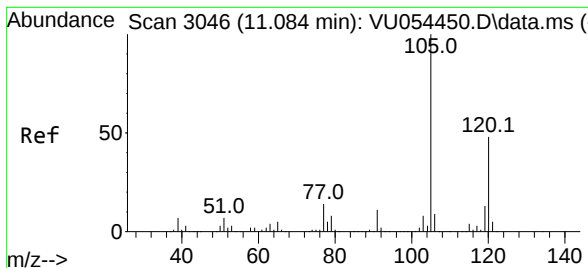
Tgt Ion:105 Resp: 570081
Ion Ratio Lower Upper
105 100
120 25.4 20.9 31.3
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.918 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion: 75 Resp: 68949
Ion Ratio Lower Upper
75 100
110 38.0 28.0 42.0
77 32.7 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.458 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

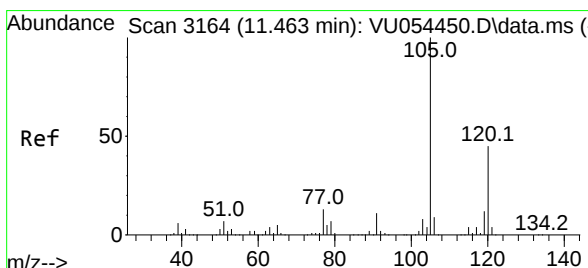
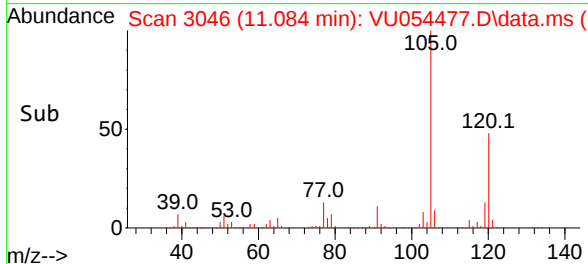
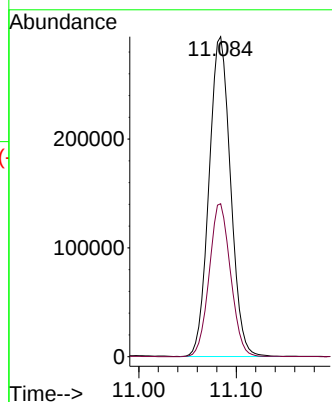
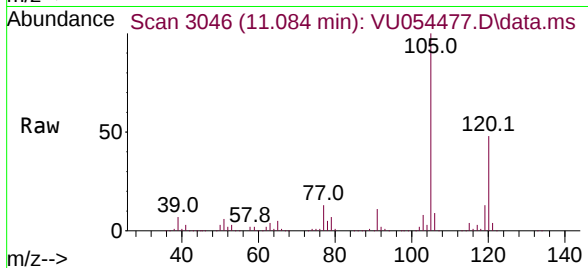
VSTD005178

Tgt Ion:105 Resp: 451925

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.417 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU054477.D

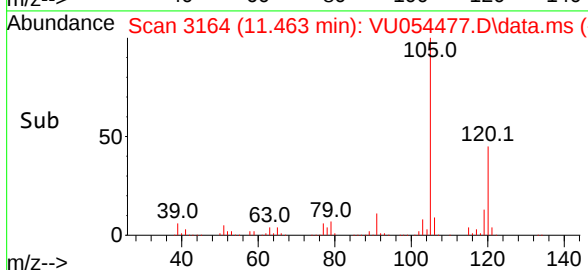
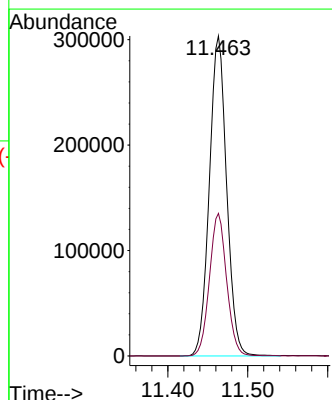
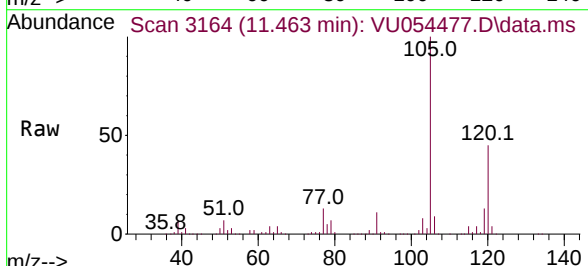
Acq: 09 Jun 2023 21:02

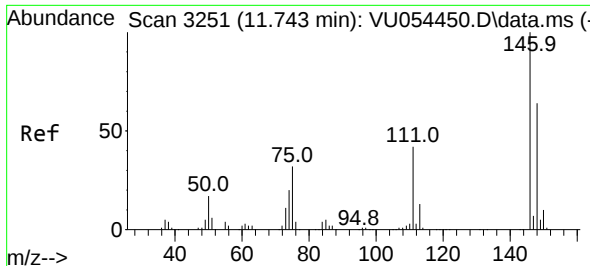
Tgt Ion:105 Resp: 455522

Ion Ratio Lower Upper

105 100

120 44.4 35.4 53.0

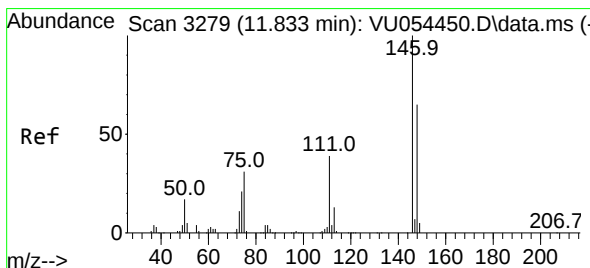
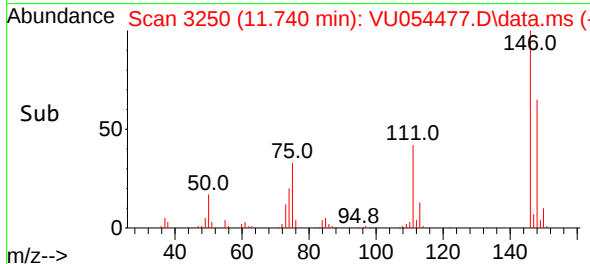
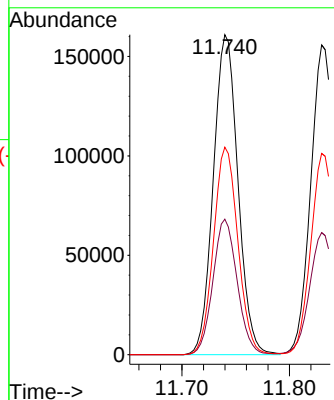
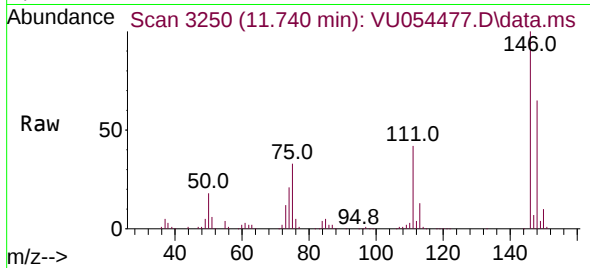




#64
1,3-Dichlorobenzene
Concen: 5.398 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

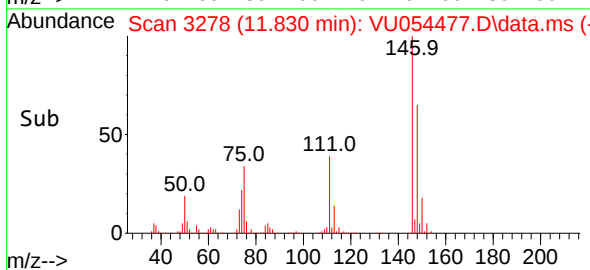
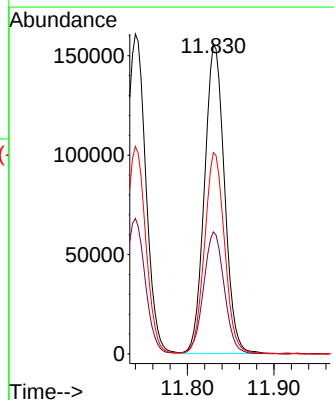
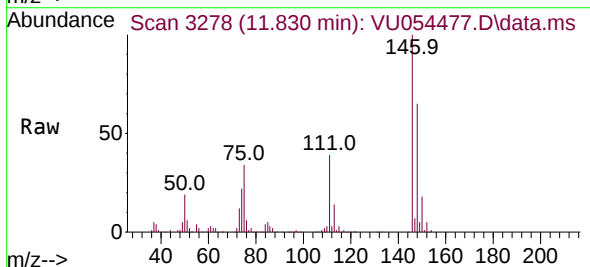
Instrument :
MSVOA_U
ClientSampleId :
VSTD005178

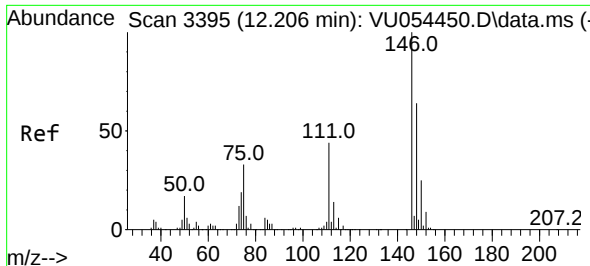
Tgt Ion:146 Resp: 256065
Ion Ratio Lower Upper
146 100
111 42.4 28.9 53.7
148 64.9 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.245 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054477.D
Acq: 09 Jun 2023 21:02

Tgt Ion:146 Resp: 249694
Ion Ratio Lower Upper
146 100
111 39.4 28.0 52.0
148 65.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.316 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005178

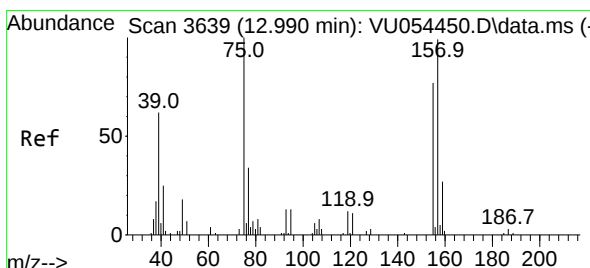
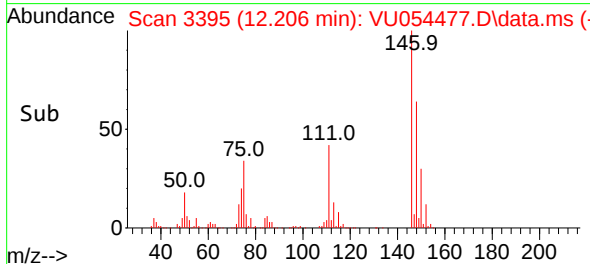
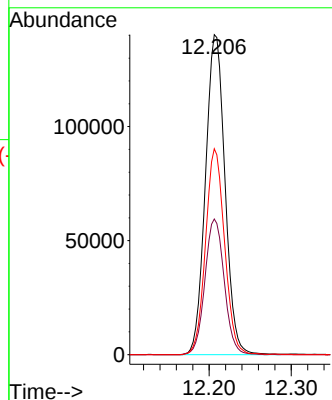
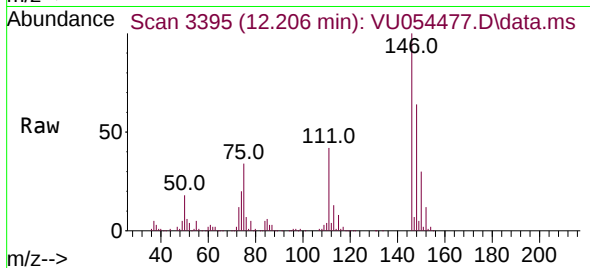
Tgt Ion:146 Resp: 231915

Ion Ratio Lower Upper

146 100

111 42.4 34.5 51.7

148 64.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.942 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

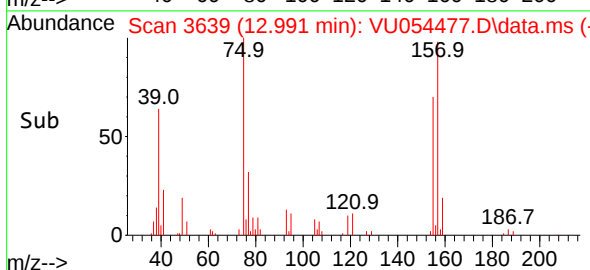
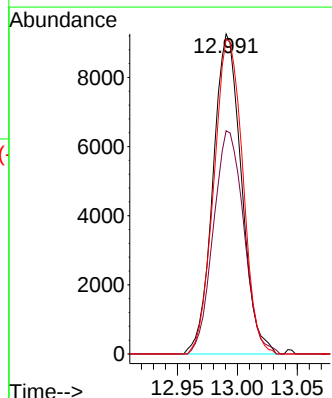
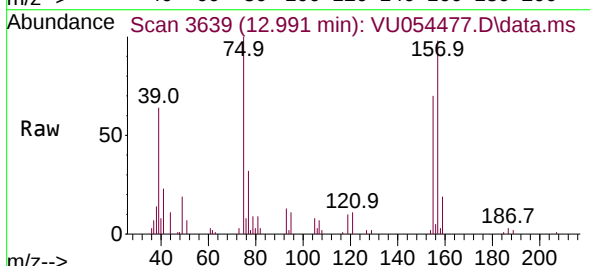
Tgt Ion: 75 Resp: 15225

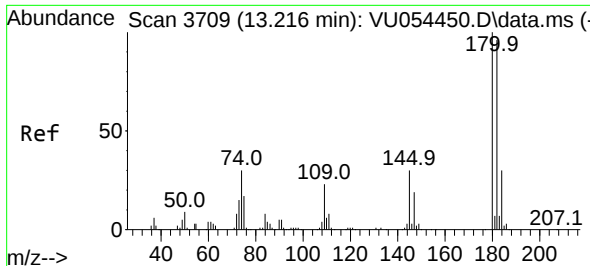
Ion Ratio Lower Upper

75 100

155 69.7 65.7 98.5

157 98.4 84.2 126.2

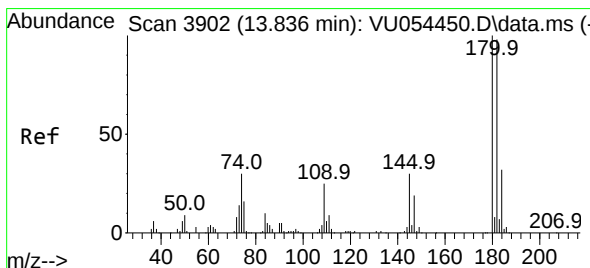
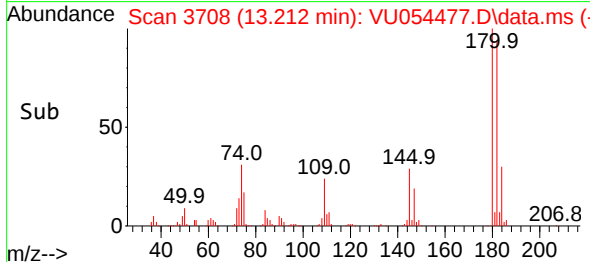
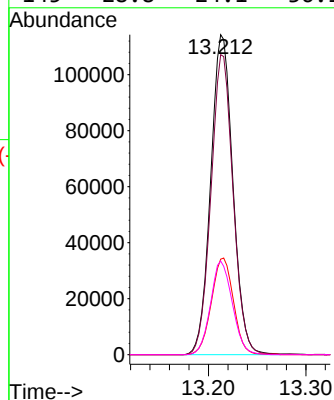
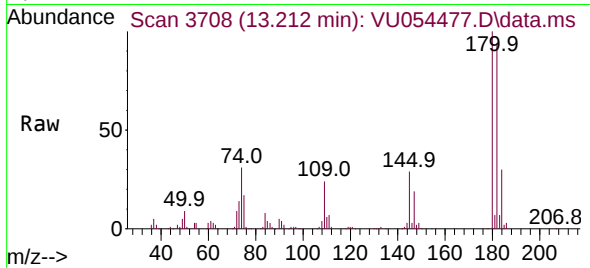




#69
 1,3,5-Trichlorobenzene
 Concen: 5.048 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

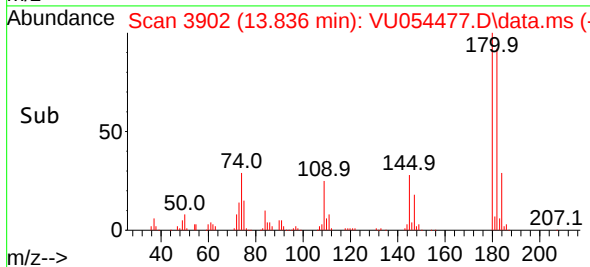
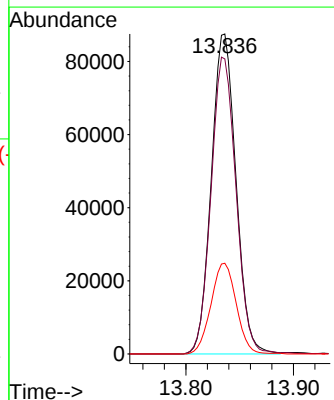
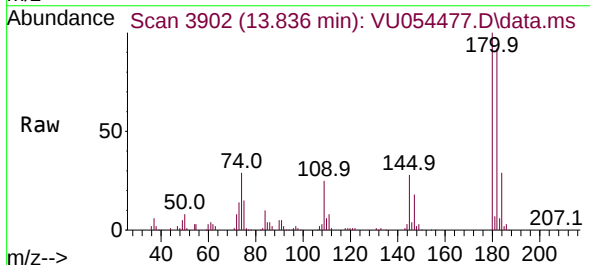
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005178

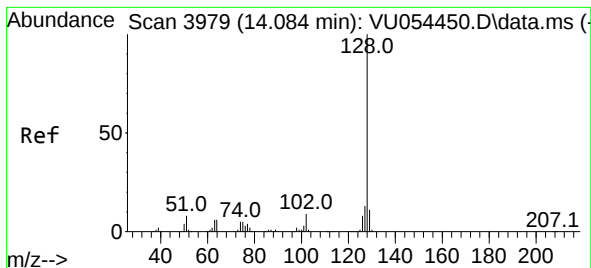
Tgt Ion:	180	Resp:	180663
Ion Ratio	Lower	Upper	
180	100		
182	93.5	75.0	112.6
184	30.1	24.1	36.1
145	28.8	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.705 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054477.D
 Acq: 09 Jun 2023 21:02

Tgt Ion:	180	Resp:	139235
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.6	114.8
145	29.1	24.0	36.0





#71

Naphthalene

Concen: 3.965 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005178

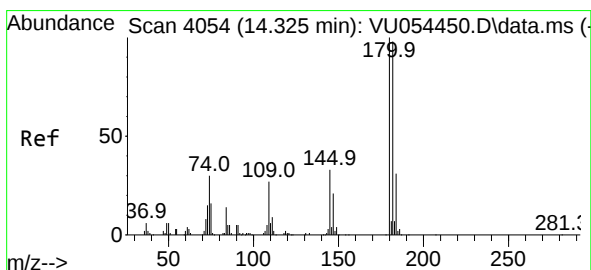
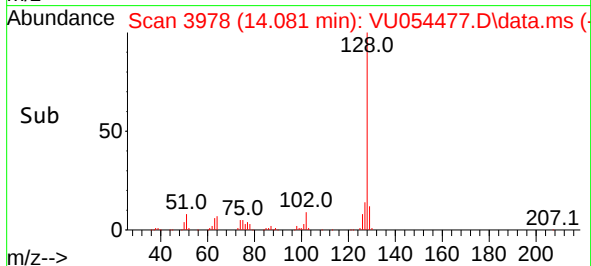
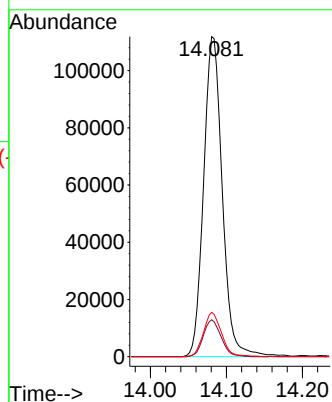
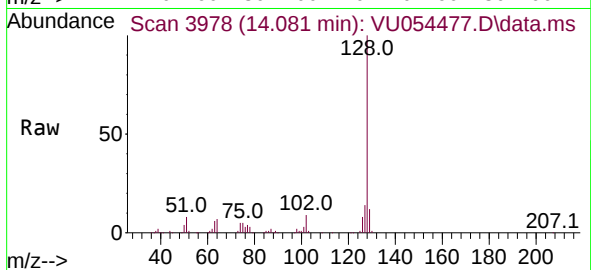
Tgt Ion:128 Resp: 190790

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.4 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.551 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054477.D

Acq: 09 Jun 2023 21:02

Tgt Ion:180 Resp: 115717

Ion Ratio Lower Upper

180 100

182 98.7 75.4 113.2

145 32.4 26.0 39.0

