

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062123\
 Data File : VU054641.D
 Acq On : 21 Jun 2023 16:49
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005194

Quant Time: Jun 22 02:45:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 22 02:42:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	383314	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	370566	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	188306	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	130388	5.345	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.800%
7) Chloroethane-d5	1.911	69	101586	4.448	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.563	65	49646	4.557	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	4.624	46	289694	42.237	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.480%
24) Chloroform-d	5.058	84	209525	4.109	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.698	65	99595	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
32) Benzene-d6	5.724	84	406475	3.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.685	67	138267	4.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.400%
41) Toluene-d8	7.894	98	371254	4.061	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	8.177	79	50570	4.227	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.631	63	204803	40.806	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.620%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	98540	3.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	127476	4.013	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	148232	4.139	ug/L	99
3) Chloromethane	1.522	50	182147	4.427	ug/L	99
5) Vinyl chloride	1.605	62	188245	4.457	ug/L	99
6) Bromomethane	1.856	94	97752	4.210	ug/L	97
8) Chloroethane	1.933	64	119029	4.702	ug/L	100
9) Trichlorofluoromethane	2.136	101	237214	4.569	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	145669	4.796	ug/L	97
12) 1,1-Dichloroethene	2.576	96	127343	4.580	ug/L #	83
13) Acetone	2.637	43	267267	41.329	ug/L	98
14) Carbon disulfide	2.792	76	334441	4.057	ug/L	99
15) Methyl Acetate	2.952	43	61630	5.143	ug/L	98
16) Methylene chloride	3.042	84	158688	4.059	ug/L	96
17) Methyl tert-butyl Ether	3.357	73	326288	4.755	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	129665	4.517	ug/L	94
19) 1,1-Dichloroethane	3.862	63	299973	5.050	ug/L	99
21) 2-Butanone	4.705	43	433681	51.673	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	161544	4.942	ug/L	95
23) Bromochloromethane	4.972	128	64520	4.743	ug/L	95
25) Chloroform	5.084	83	292027	4.986	ug/L	98

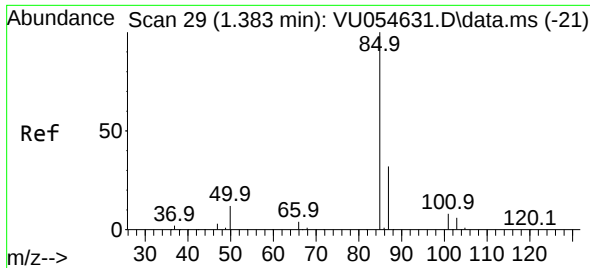
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	170275	4.960	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	238340	4.743	ug/L	97
30) Cyclohexane	5.386	56	238601	4.360	ug/L	98
31) Carbon tetrachloride	5.521	117	199690	4.612	ug/L	100
33) Benzene	5.769	78	616649	4.630	ug/L	100
34) Trichloroethene	6.541	95	181605	5.157	ug/L	93
35) Methylcyclohexane	6.759	83	223201	4.193	ug/L	96
37) 1,2-Dichloropropane	6.785	63	180875	5.023	ug/L	99
38) Bromodichloromethane	7.100	83	204502	5.017	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	239822	4.878	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	1021004	53.132	ug/L	97
42) Toluene	7.965	91	656149	4.784	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	196067	4.914	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	111913	4.885	ug/L	99
47) Tetrachloroethene	8.550	164	109728	4.070	ug/L	96
48) 2-Hexanone	8.679	43	729068	50.918	ug/L	97
49) Dibromochloromethane	8.804	129	120629	5.015	ug/L	100
50) 1,2-Dibromoethane	8.920	107	99759	4.743	ug/L #	98
51) Chlorobenzene	9.444	112	390525	4.568	ug/L	98
52) Ethylbenzene	9.566	91	699012	4.667	ug/L	100
53) m,p-Xylene	9.692	106	261193	4.747	ug/L	98
54) o-Xylene	10.097	106	257300	4.835	ug/L	99
55) Styrene	10.110	104	438449	4.909	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	145387	4.997	ug/L	97
59) Bromoform	10.286	173	71753	5.308	ug/L	97
60) Isopropylbenzene	10.479	105	695993	5.052	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	97147	5.105	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	550745	4.900	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	564947	4.949	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	314251	4.880	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	308265	4.770	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	290471	4.905	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	22607	5.406	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	230325	4.741	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	188708	4.697	ug/L	100
71) Naphthalene	14.081	128	293217	4.489	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	165566	4.797	ug/L	99

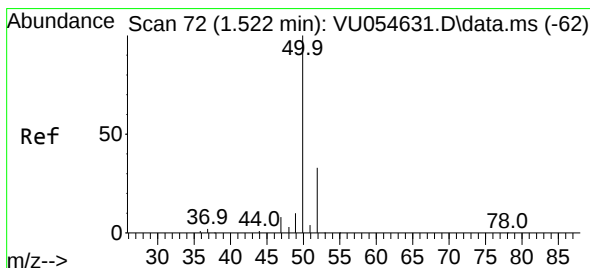
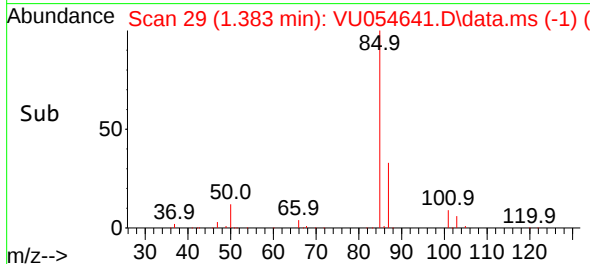
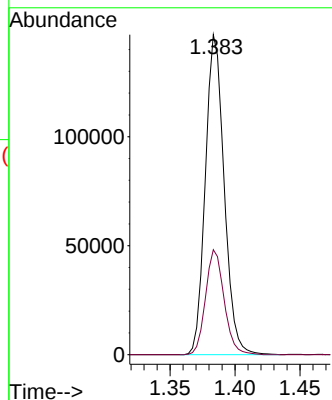
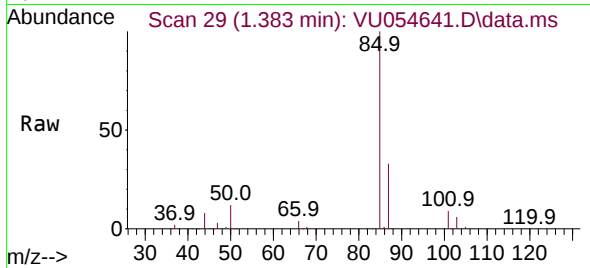
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#2
 Dichlorodifluoromethane
 Concen: 4.139 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

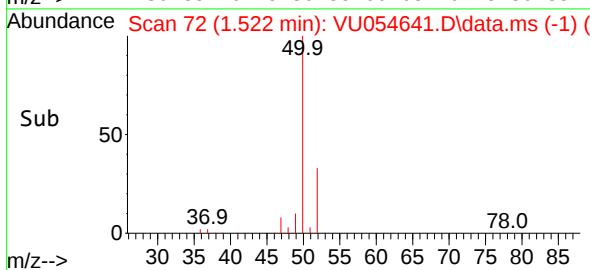
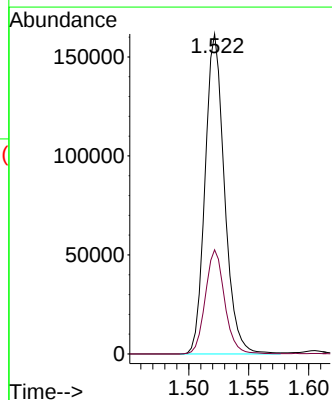
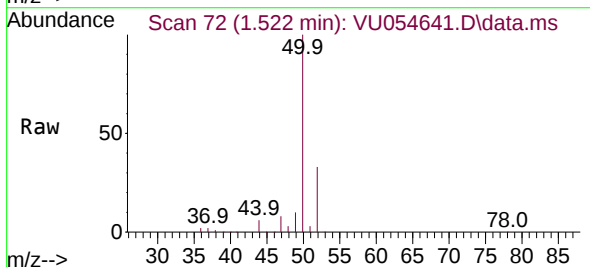
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005194

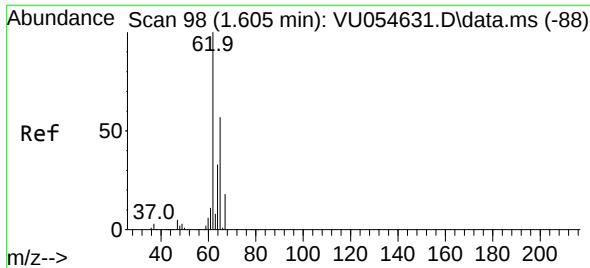
Tgt Ion: 85 Resp: 148232
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2



#3
 Chloromethane
 Concen: 4.427 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

Tgt Ion: 50 Resp: 182147
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.4 43.4

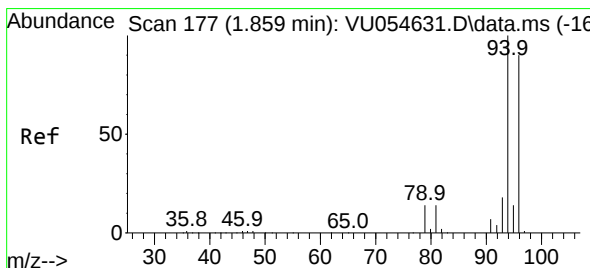
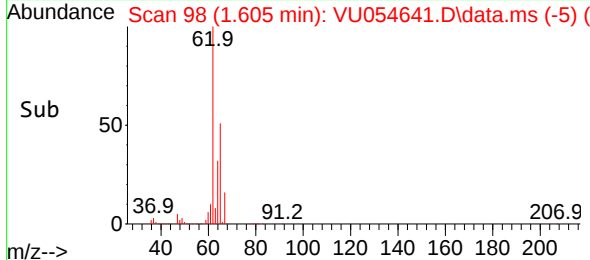
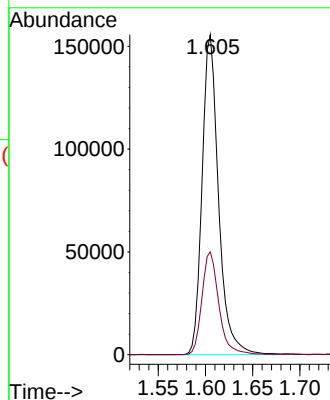
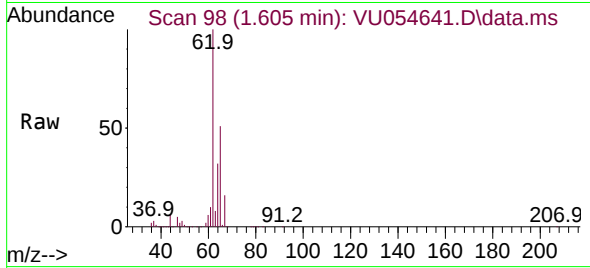




#5
 Vinyl chloride
 Concen: 4.457 ug/L
 RT: 1.605 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

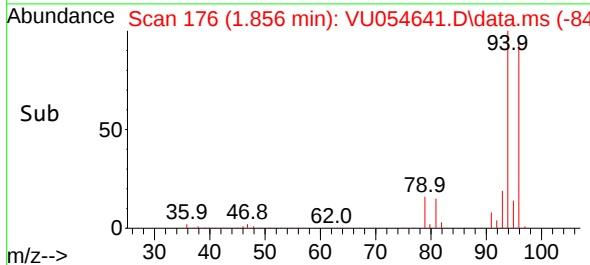
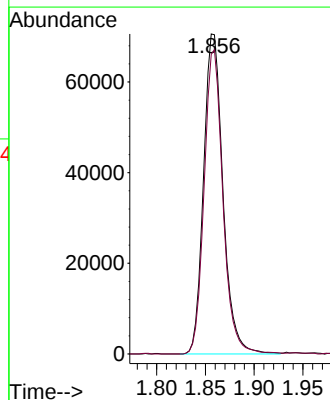
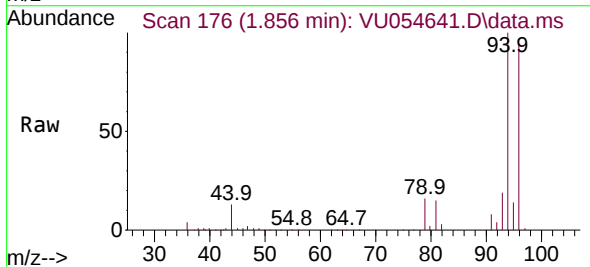
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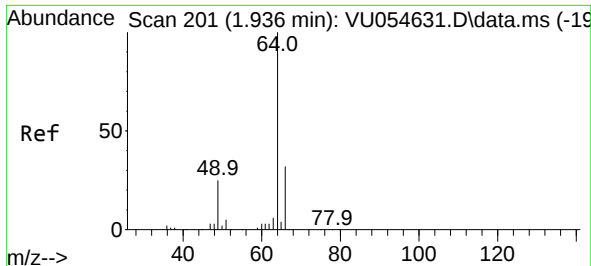
Tgt Ion: 62 Resp: 188245
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.0 42.6



#6
 Bromomethane
 Concen: 4.210 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

Tgt Ion: 94 Resp: 97752
 Ion Ratio Lower Upper
 94 100
 96 93.7 63.6 118.2





#8

Chloroethane

Concen: 4.702 ug/L

RT: 1.933 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

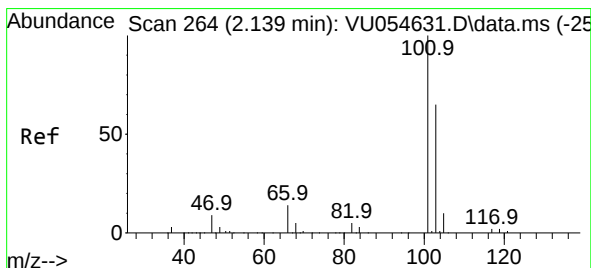
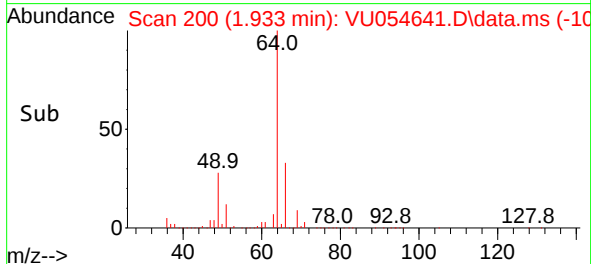
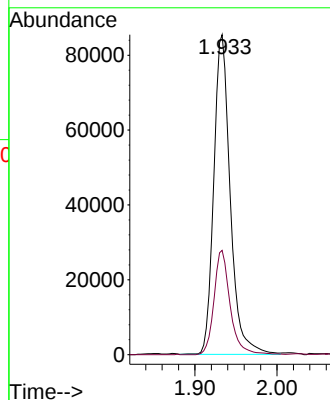
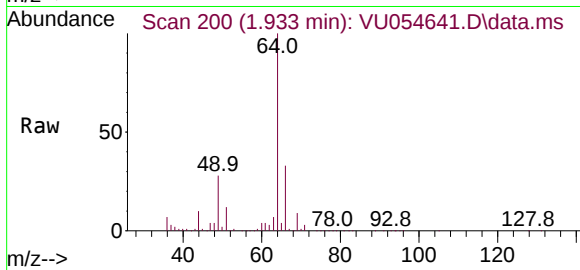
VSTD005194

Tgt Ion: 64 Resp: 119029

Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 4.569 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.003 min

Lab File: VU054641.D

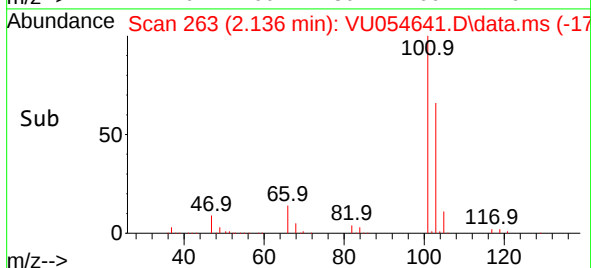
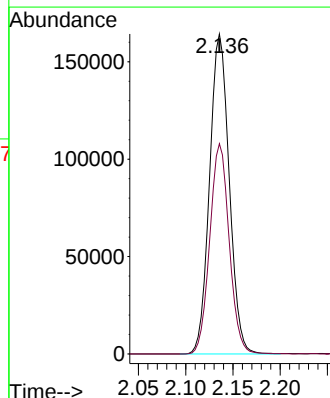
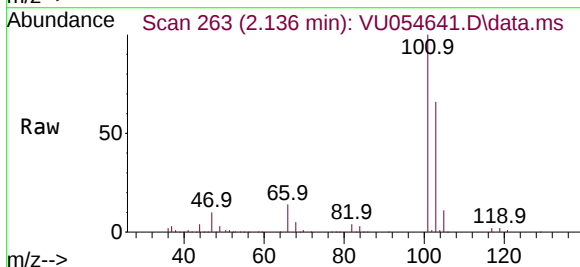
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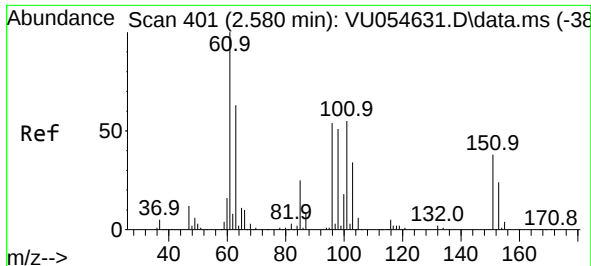
Tgt Ion:101 Resp: 237214

Ion Ratio Lower Upper

101 100

103 65.0 50.6 75.8

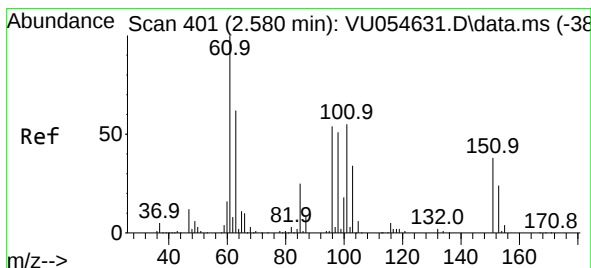
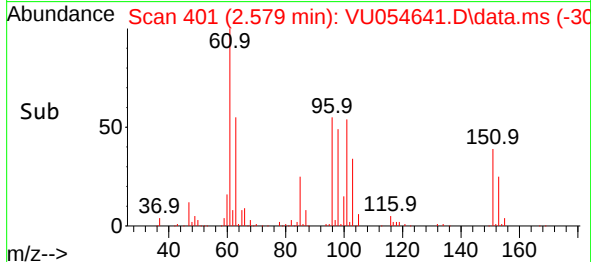
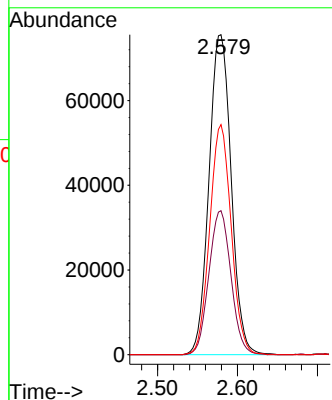
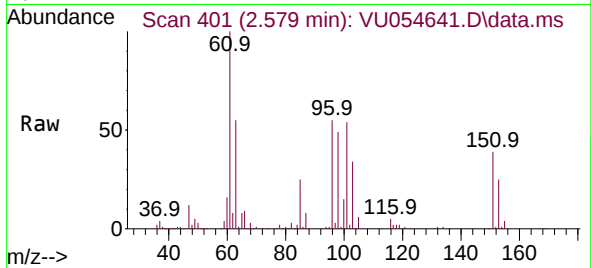




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.796 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

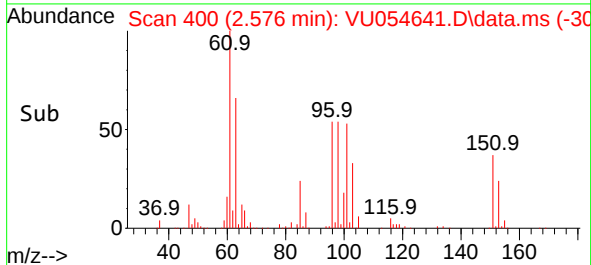
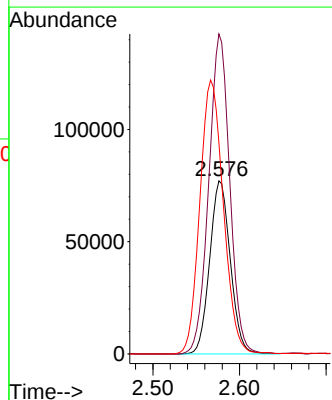
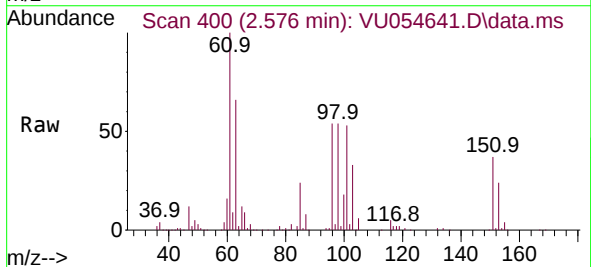
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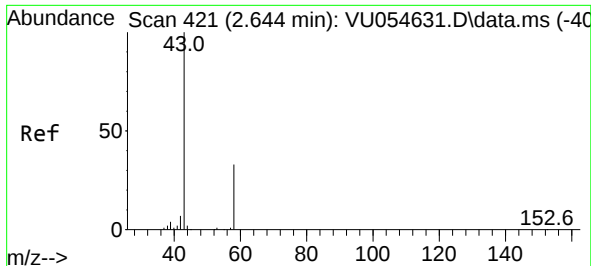
Tgt Ion:101 Resp: 145669
 Ion Ratio Lower Upper
 101 100
 85 44.7 34.6 51.8
 151 69.8 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.580 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

Tgt Ion: 96 Resp: 127343
 Ion Ratio Lower Upper
 96 100
 61 184.9 119.9 222.7
 63 122.0 64.3 119.3#





#13

Acetone

Concen: 41.329 ug/L

RT: 2.637 min Scan# 41

Delta R.T. -0.007 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

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MSVOA_U

ClientSampleId :

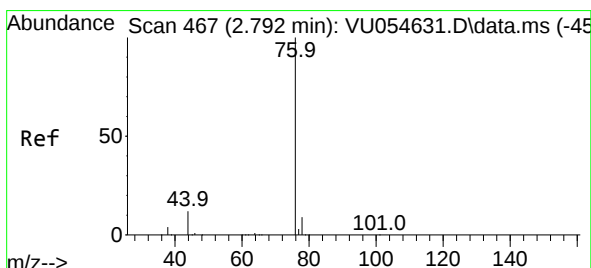
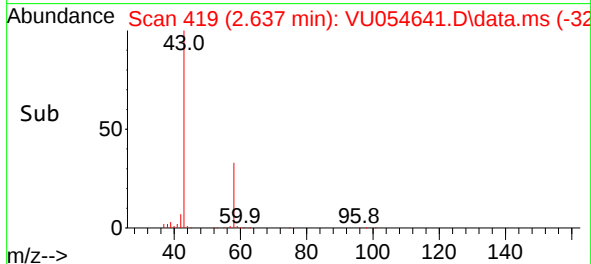
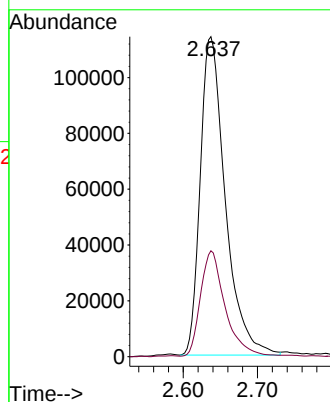
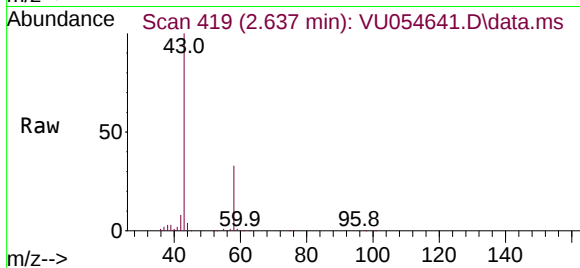
VSTD005194

Tgt Ion: 43 Resp: 267267

Ion Ratio Lower Upper

43 100

58 32.4 0.0 67.2



#14

Carbon disulfide

Concen: 4.057 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054641.D

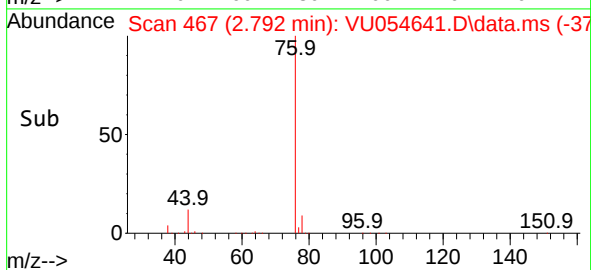
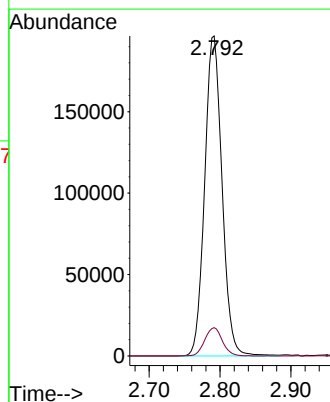
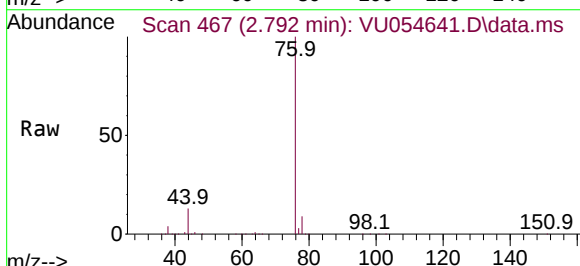
Acq: 21 Jun 2023 16:49

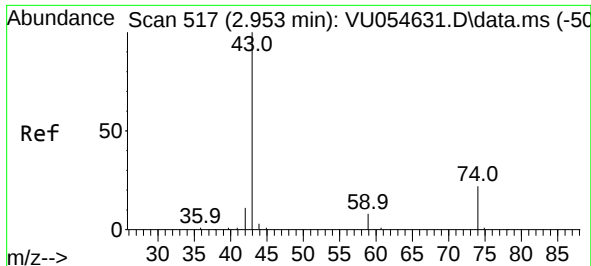
Tgt Ion: 76 Resp: 334441

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

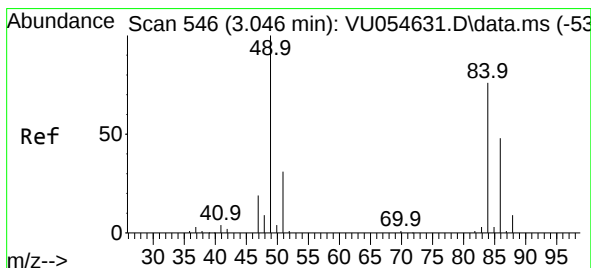
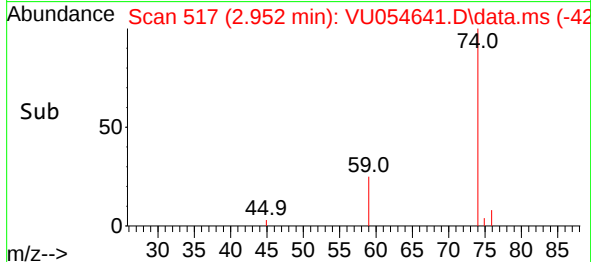
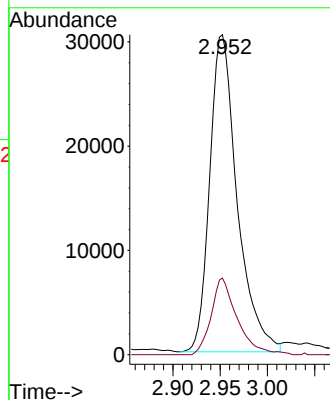
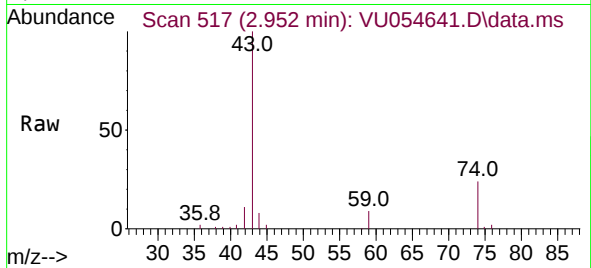




#15
Methyl Acetate
Concen: 5.143 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

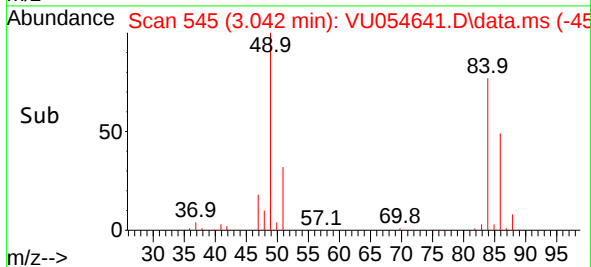
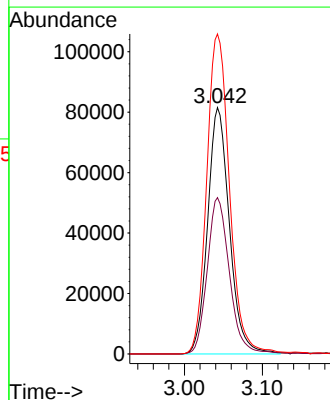
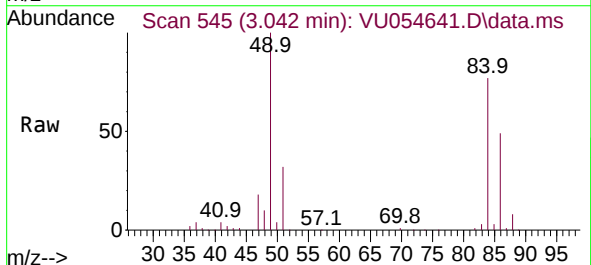
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

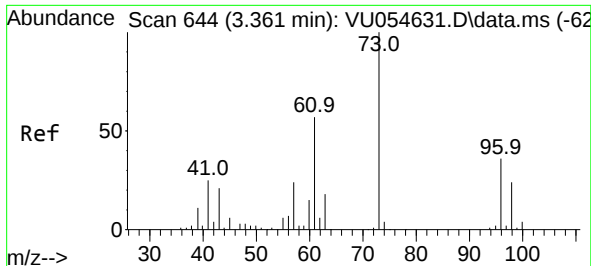
Tgt Ion: 43 Resp: 61630
Ion Ratio Lower Upper
43 100
74 22.8 19.0 28.6



#16
Methylene chloride
Concen: 4.059 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 84 Resp: 158688
Ion Ratio Lower Upper
84 100
86 63.5 43.9 81.5
49 129.8 86.1 159.9

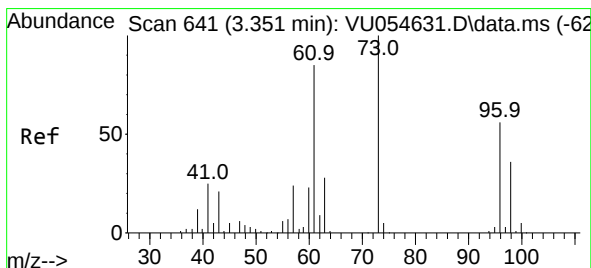
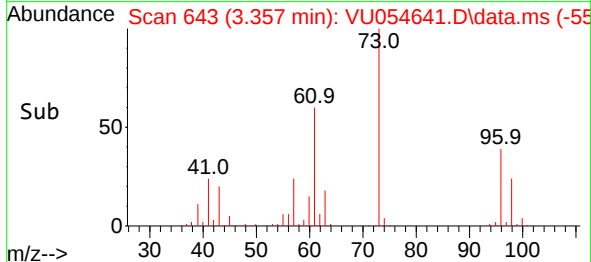
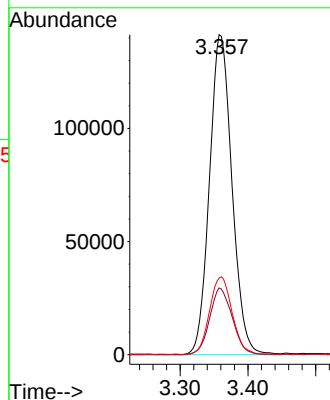
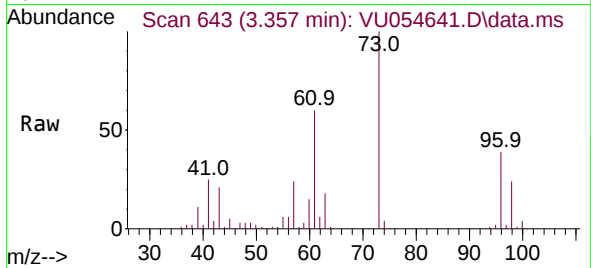




#17
Methyl tert-butyl Ether
Concen: 4.755 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

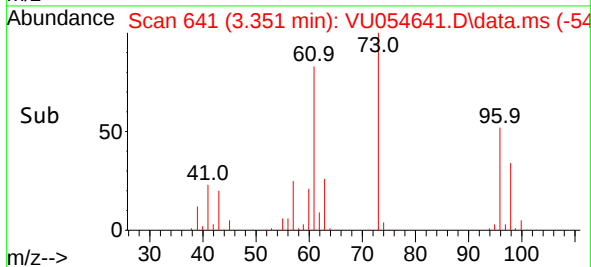
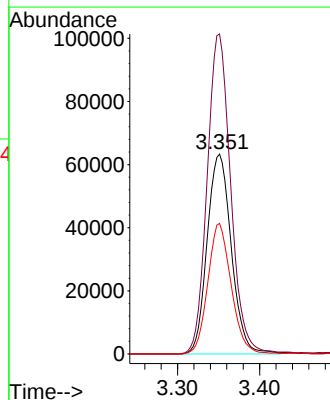
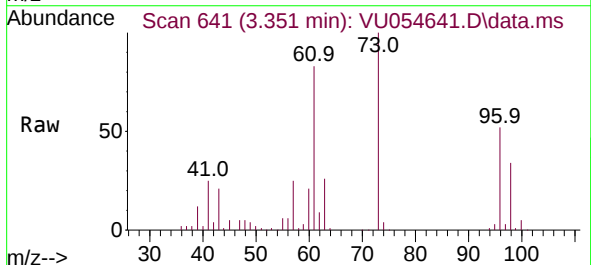
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

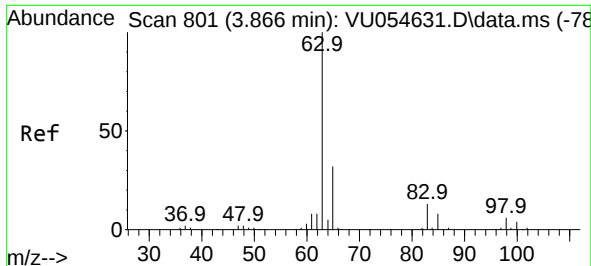
Tgt Ion: 73 Resp: 326288
Ion Ratio Lower Upper
73 100
43 20.6 15.7 23.5
57 24.5 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.517 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 96 Resp: 129665
Ion Ratio Lower Upper
96 100
61 160.2 104.6 194.2
98 65.3 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.050 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005194

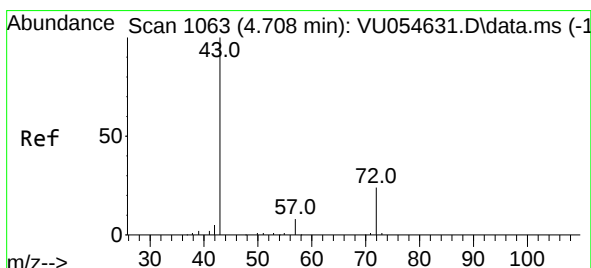
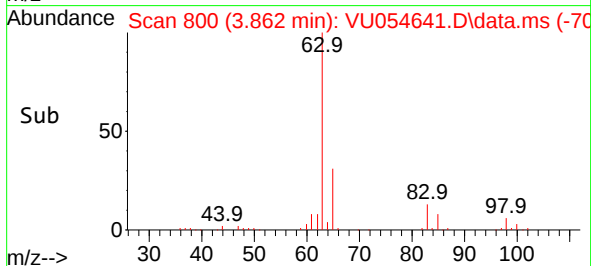
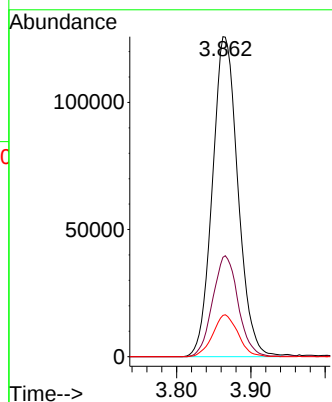
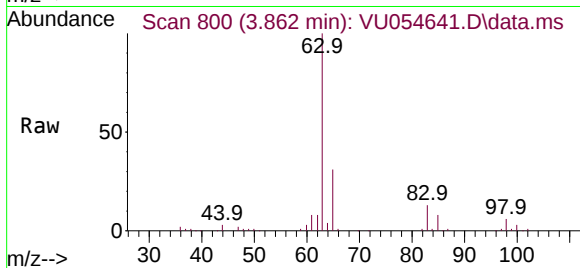
Tgt Ion: 63 Resp: 299973

Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

83 12.9 9.0 16.6



#21

2-Butanone

Concen: 51.673 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU054641.D

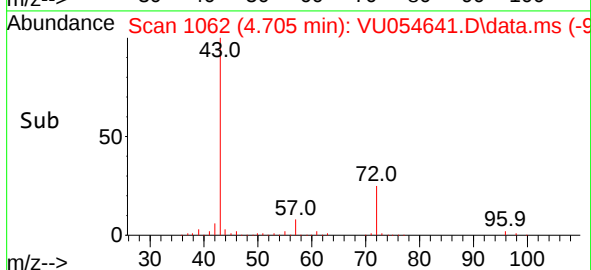
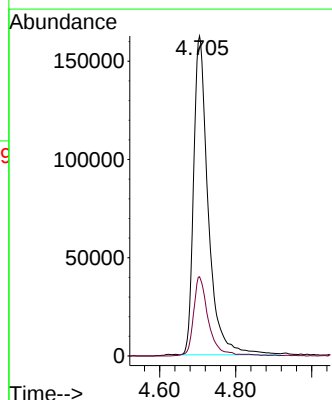
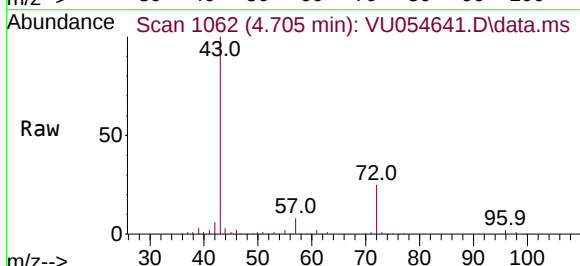
Acq: 21 Jun 2023 16:49

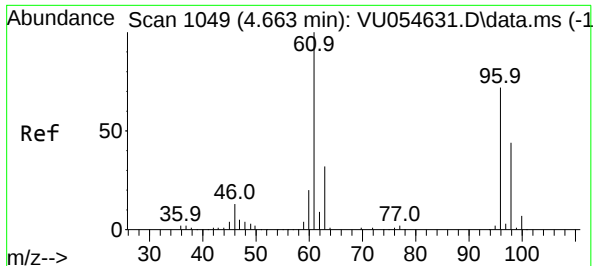
Tgt Ion: 43 Resp: 433681

Ion Ratio Lower Upper

43 100

72 24.9 13.4 40.1

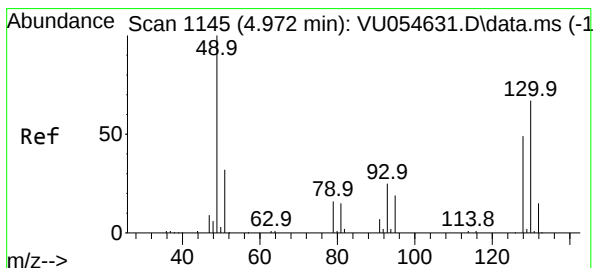
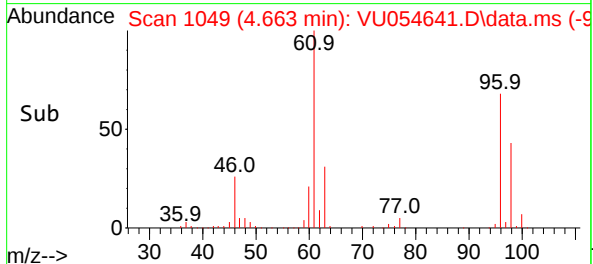
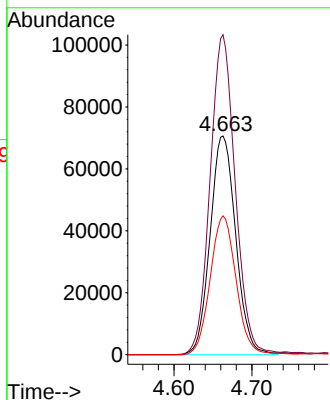
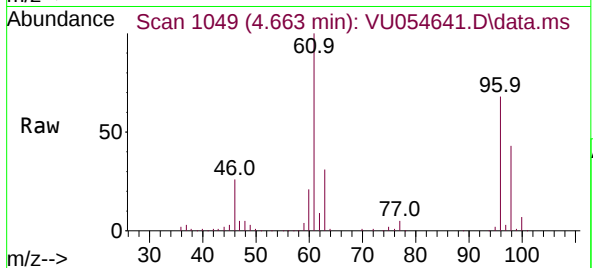




#22
 cis-1,2-Dichloroethene
 Concen: 4.942 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

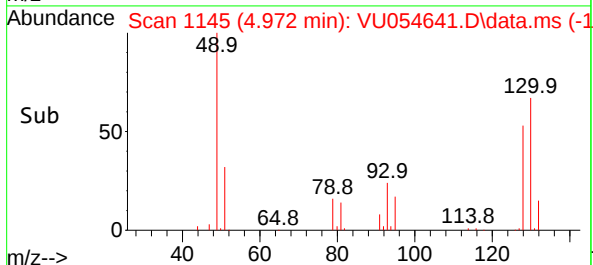
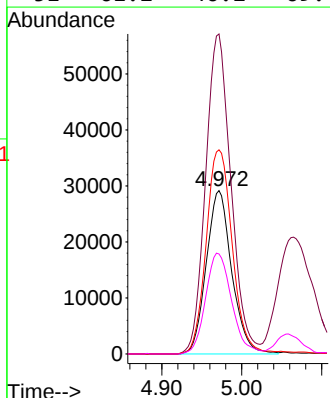
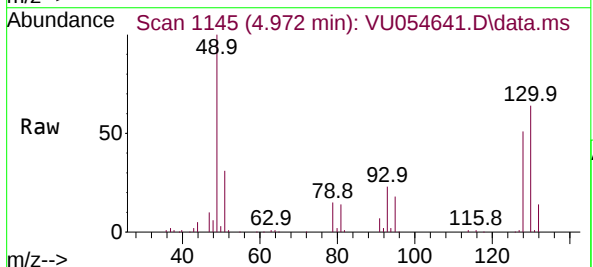
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005194

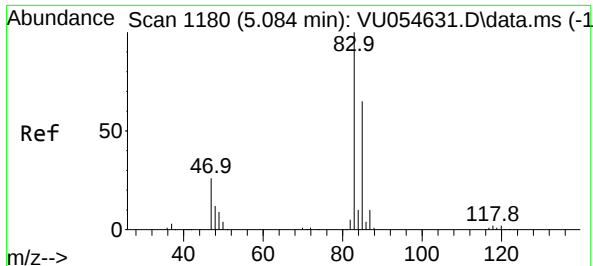
Tgt Ion: 96 Resp: 161544
 Ion Ratio Lower Upper
 96 100
 61 146.3 96.5 179.1
 98 63.5 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.743 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054641.D
 Acq: 21 Jun 2023 16:49

Tgt Ion: 128 Resp: 64520
 Ion Ratio Lower Upper
 128 100
 49 195.9 132.1 245.3
 130 124.9 91.5 169.9
 51 61.2 46.2 69.4





#25

Chloroform

Concen: 4.986 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

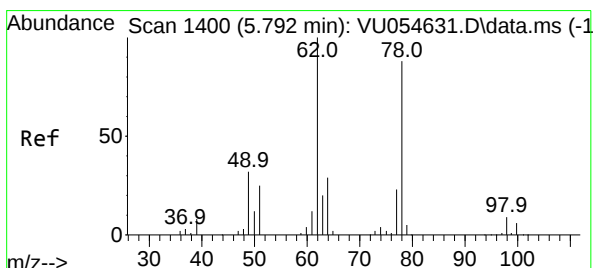
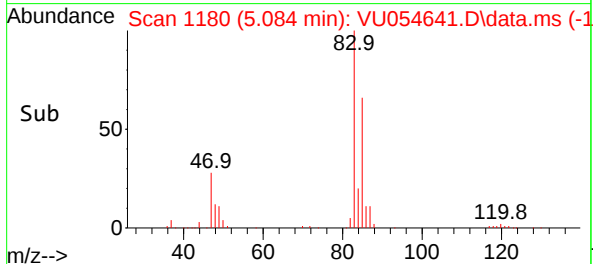
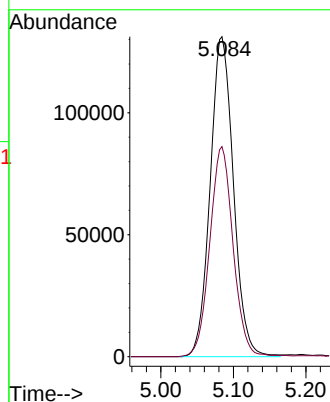
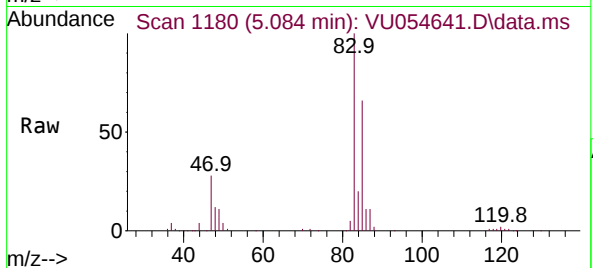
VSTD005194

Tgt Ion: 83 Resp: 292027

Ion Ratio Lower Upper

83 100

85 65.6 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.960 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054641.D

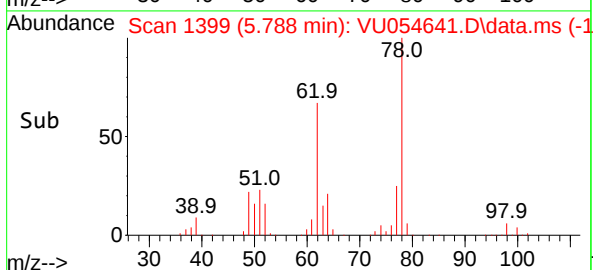
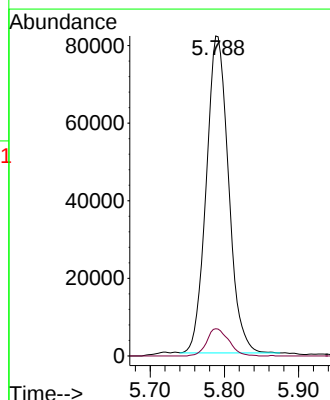
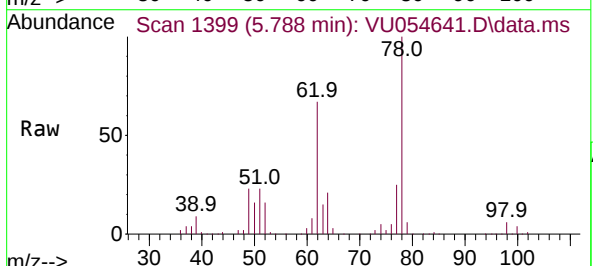
Acq: 21 Jun 2023 16:49

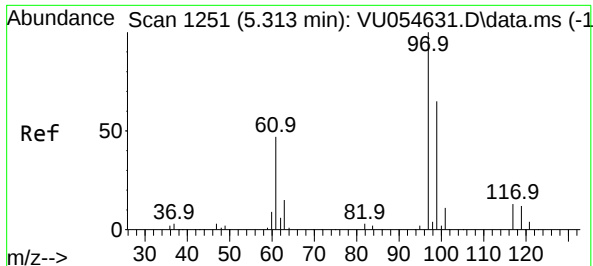
Tgt Ion: 62 Resp: 170275

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.743 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005194

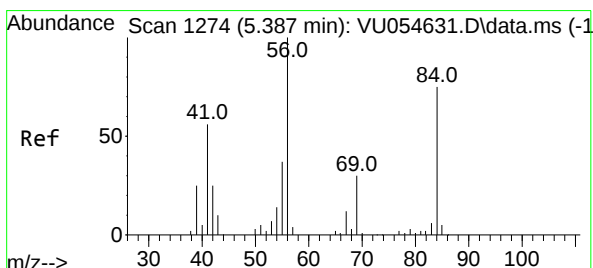
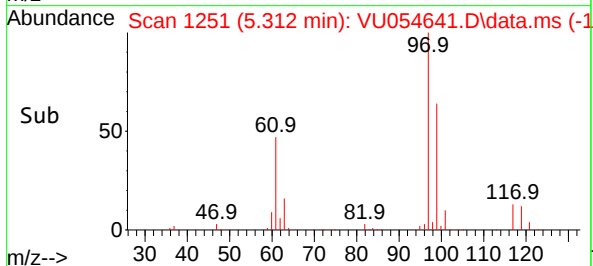
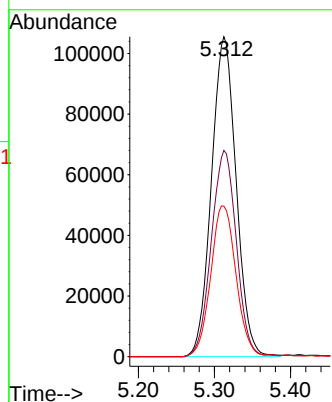
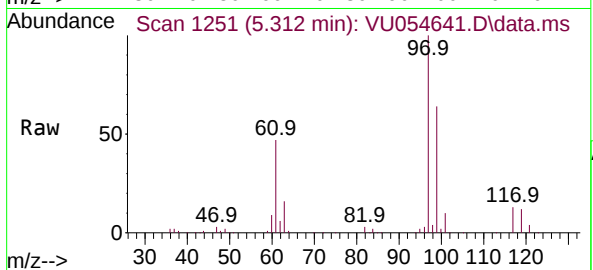
Tgt Ion: 97 Resp: 238340

Ion Ratio Lower Upper

97 100

99 65.1 50.8 76.2

61 48.4 36.1 54.1



#30

Cyclohexane

Concen: 4.360 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

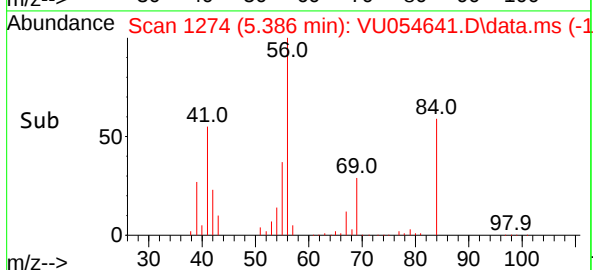
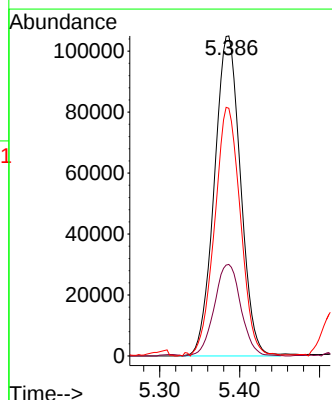
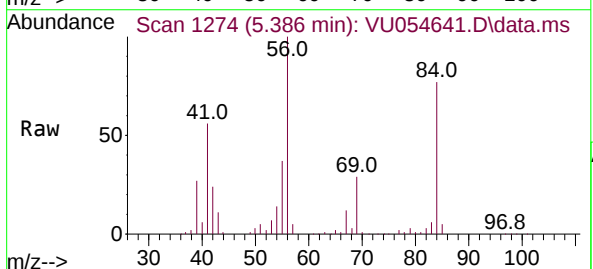
Tgt Ion: 56 Resp: 238601

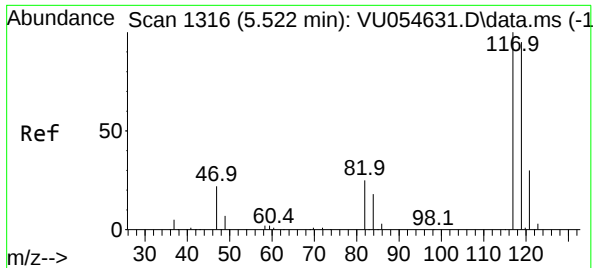
Ion Ratio Lower Upper

56 100

69 28.9 23.9 35.9

84 76.6 63.0 94.6

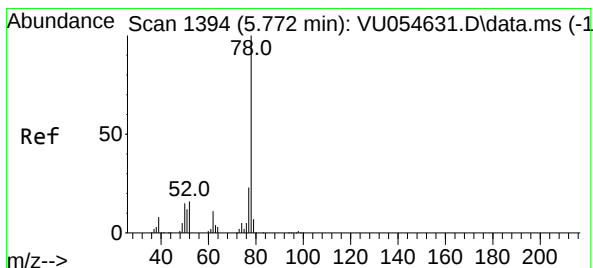
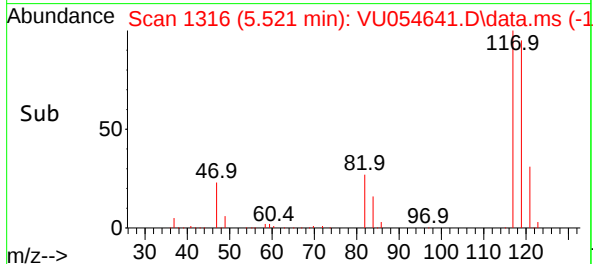
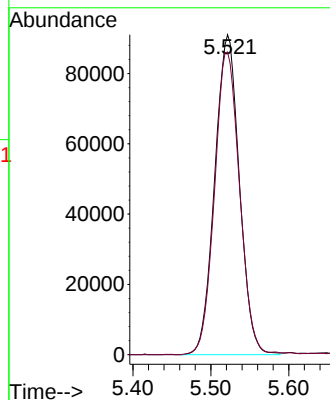
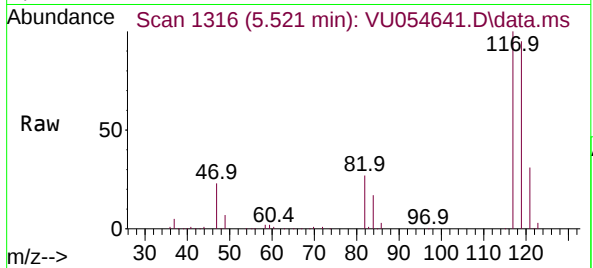




#31
Carbon tetrachloride
Concen: 4.612 ug/L
RT: 5.521 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

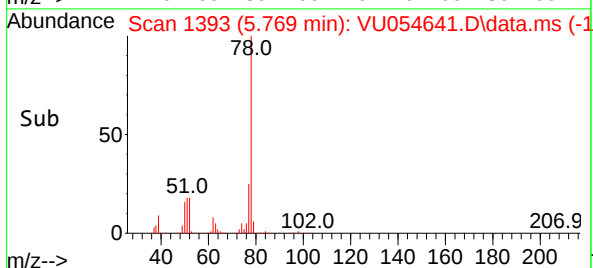
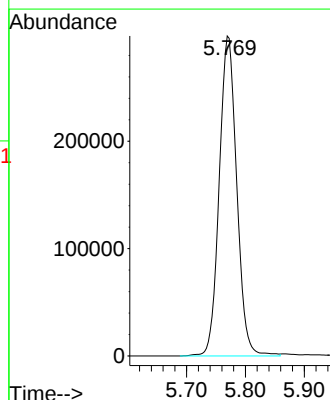
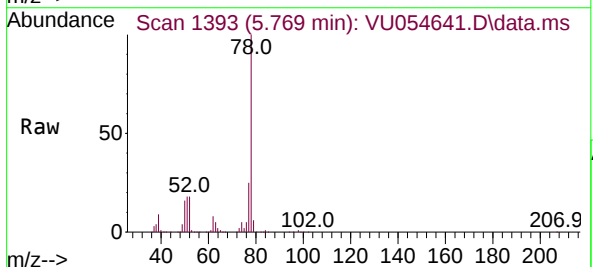
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

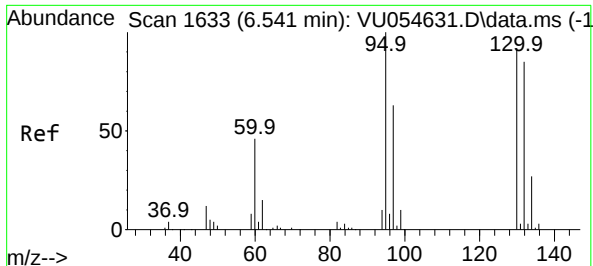
Tgt Ion:117 Resp: 199690
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2



#33
Benzene
Concen: 4.630 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 78 Resp: 616649

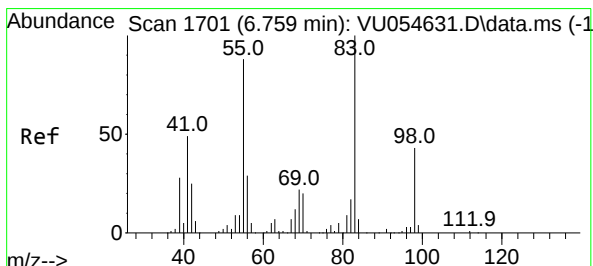
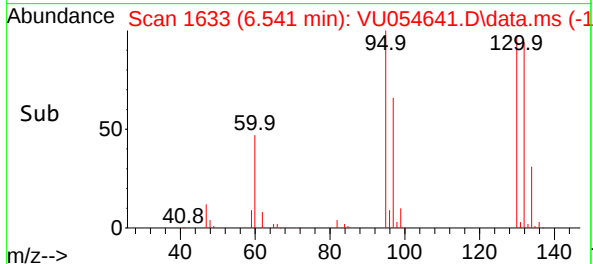
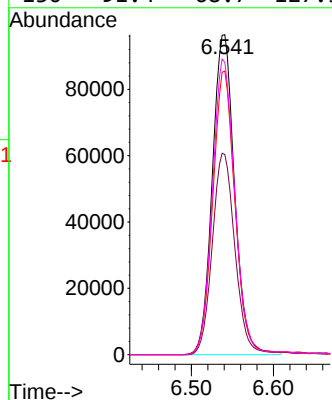
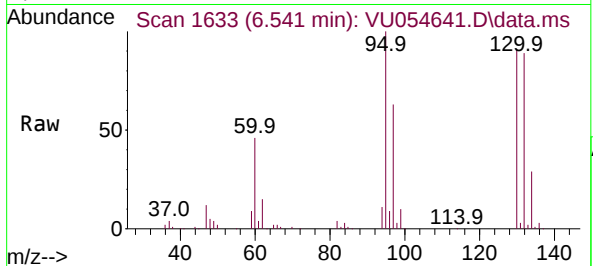




#34
Trichloroethene
Concen: 5.157 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

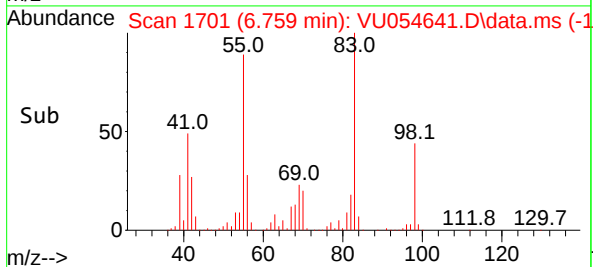
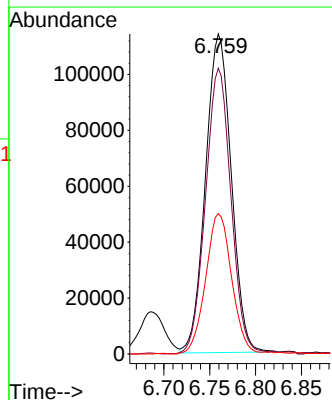
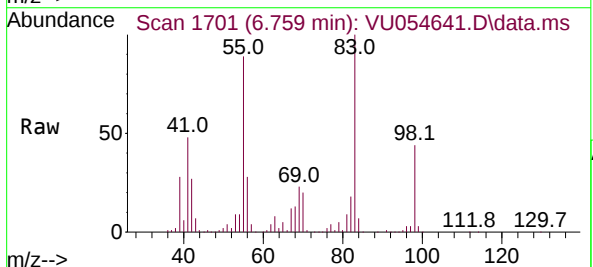
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

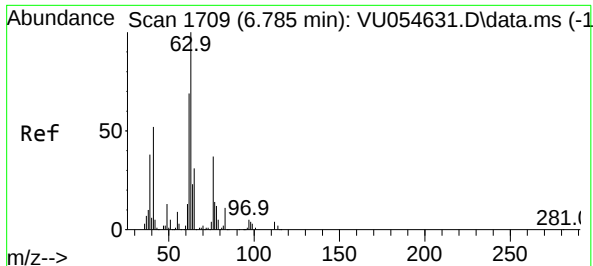
Tgt Ion: 95 Resp: 181605
Ion Ratio Lower Upper
95 100
97 62.5 46.8 87.0
132 88.7 68.4 127.0
130 91.4 68.7 127.5



#35
Methylcyclohexane
Concen: 4.193 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 83 Resp: 223201
Ion Ratio Lower Upper
83 100
55 89.0 67.1 100.7
98 44.4 35.1 52.7

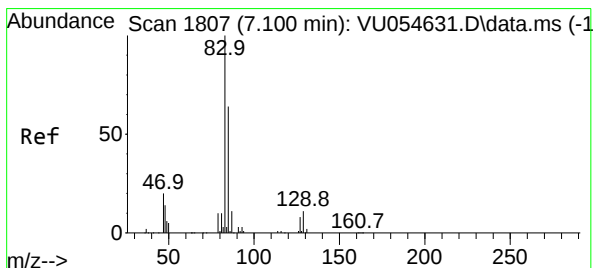
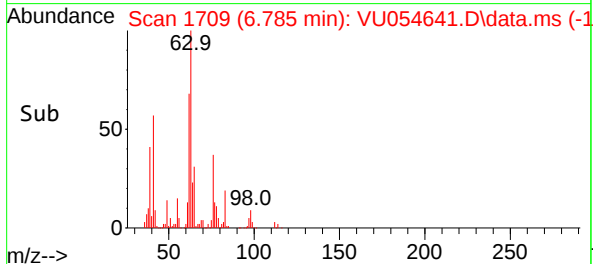
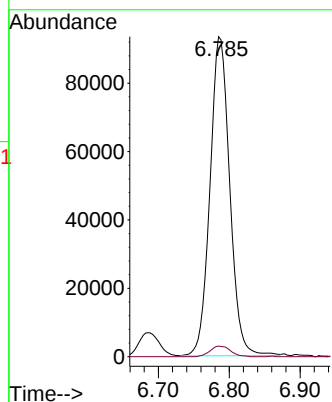
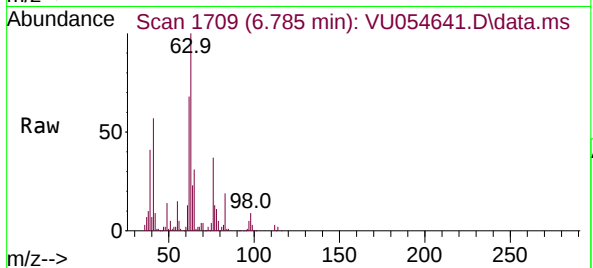




#37
1,2-Dichloropropane
Concen: 5.023 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

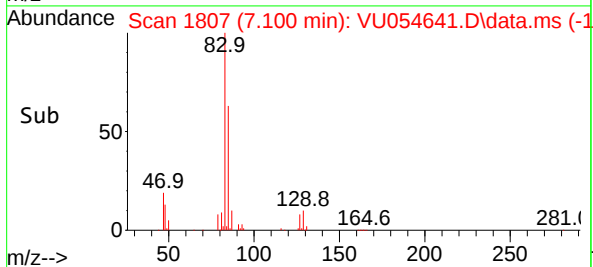
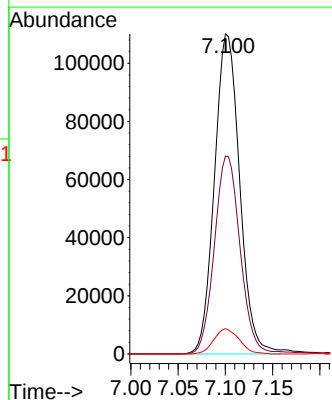
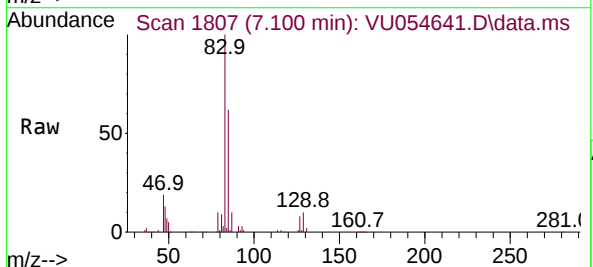
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

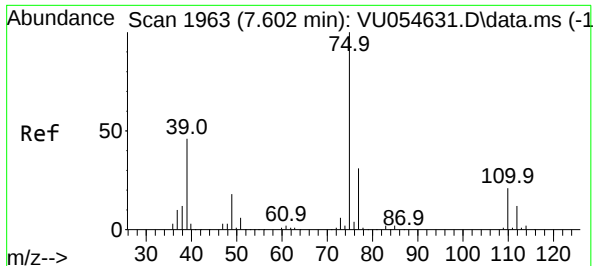
Tgt Ion: 63 Resp: 180875
Ion Ratio Lower Upper
63 100
112 3.4 3.0 4.6



#38
Bromodichloromethane
Concen: 5.017 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 83 Resp: 204502
Ion Ratio Lower Upper
83 100
85 61.8 44.1 81.9
127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.878 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

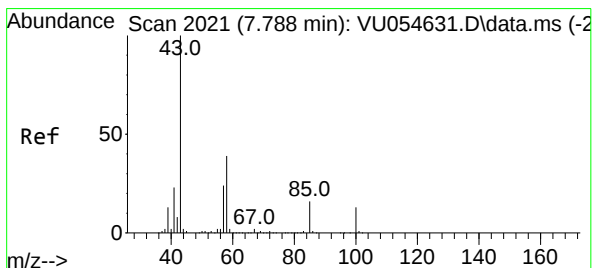
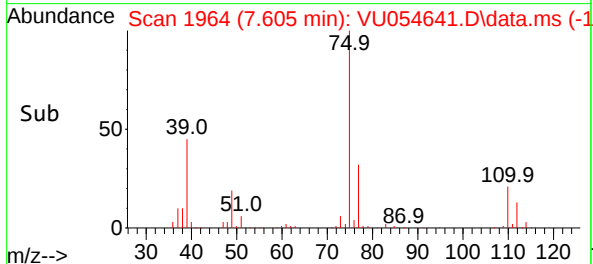
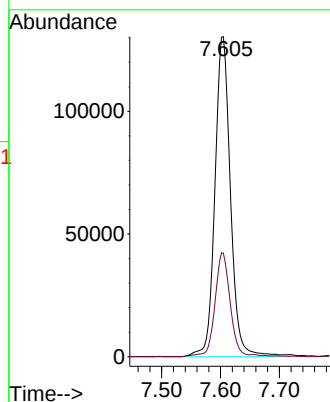
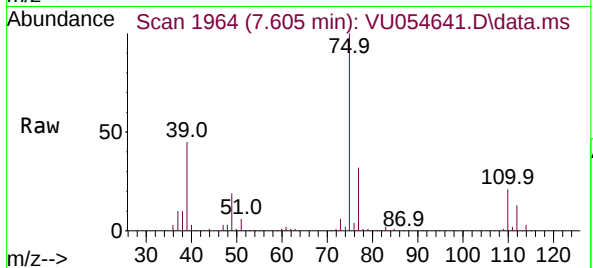
VSTD005194

Tgt Ion: 75 Resp: 239822

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.132 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

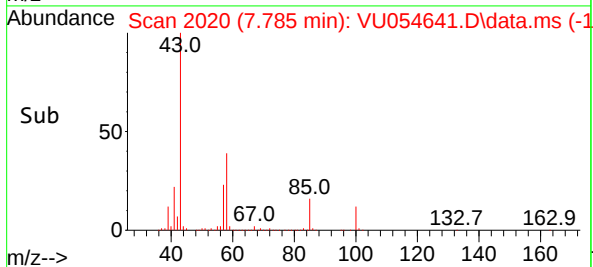
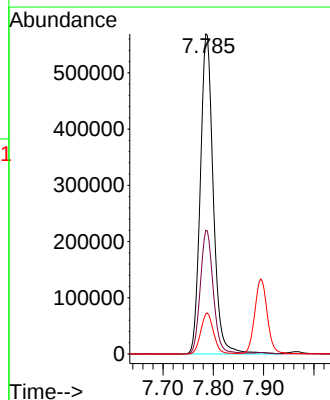
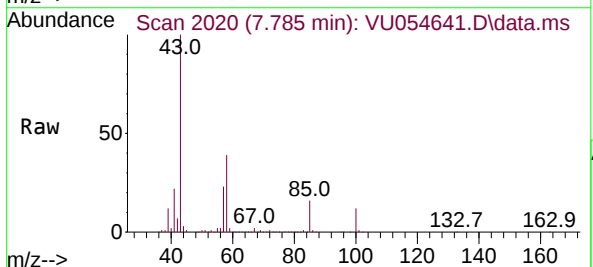
Tgt Ion: 43 Resp: 1021004

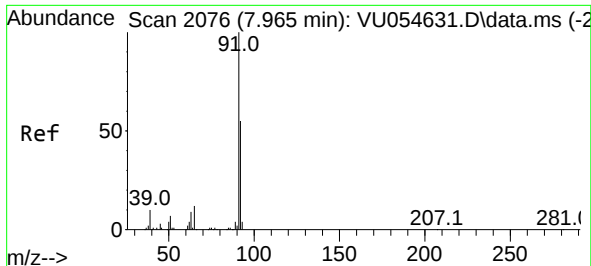
Ion Ratio Lower Upper

43 100

58 38.7 32.4 48.6

100 12.6 11.4 17.2





#42

Toluene

Concen: 4.784 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

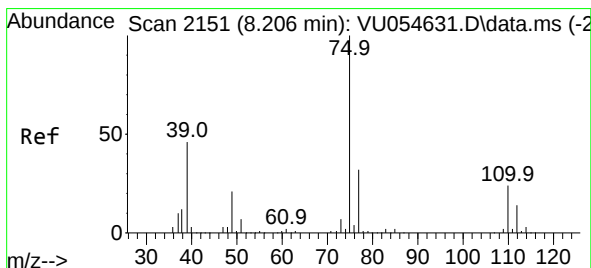
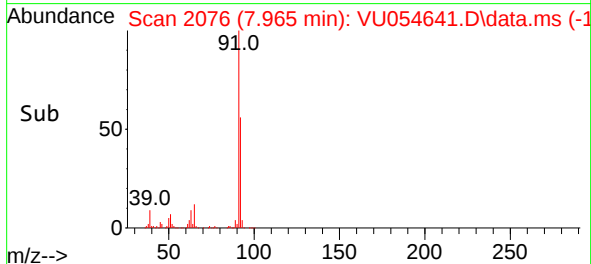
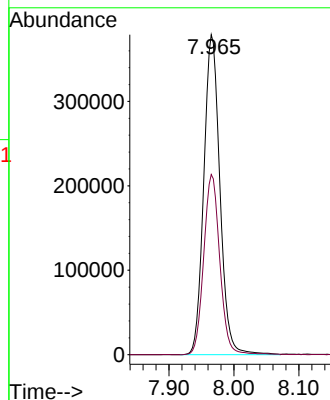
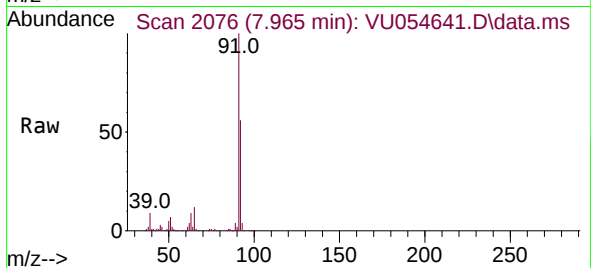
VSTD005194

Tgt Ion: 91 Resp: 656149

Ion Ratio Lower Upper

91 100

92 56.3 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.914 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054641.D

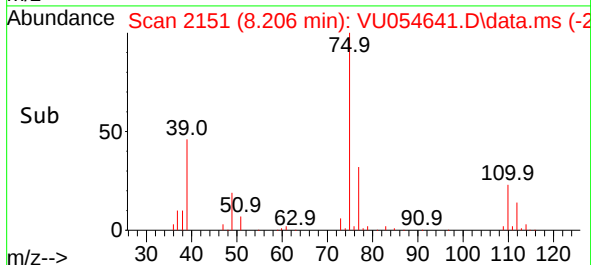
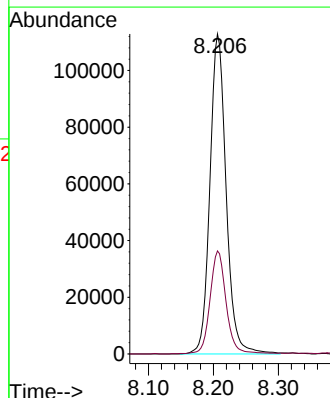
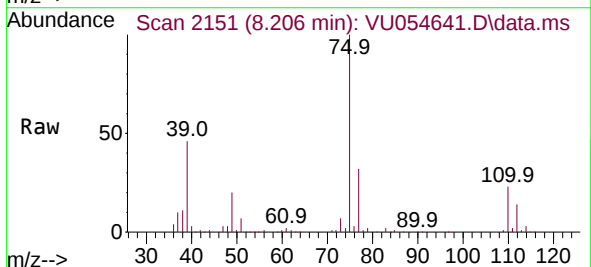
Acq: 21 Jun 2023 16:49

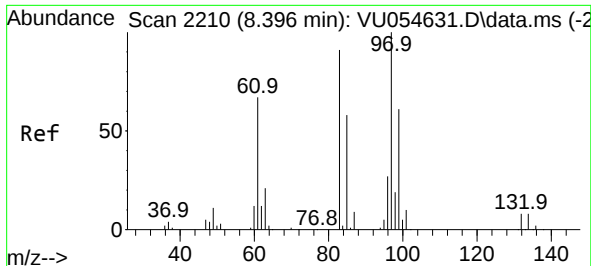
Tgt Ion: 75 Resp: 196067

Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.6



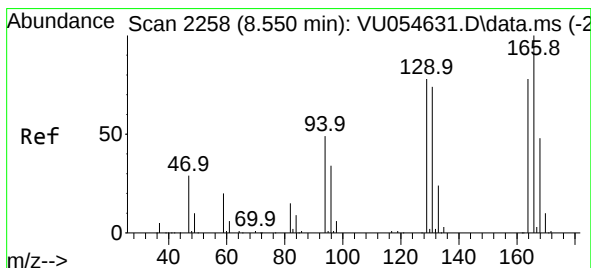
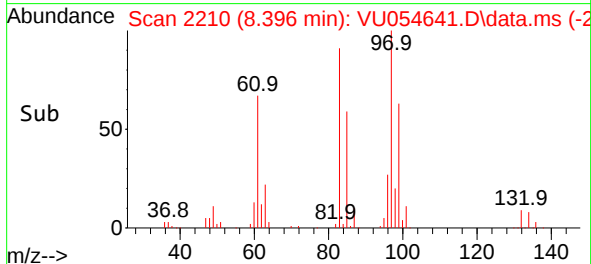
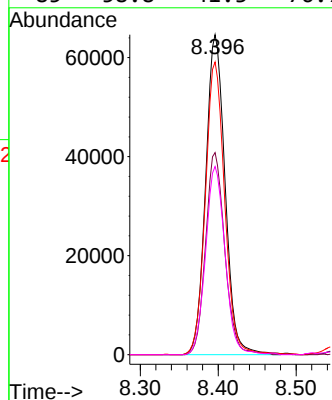
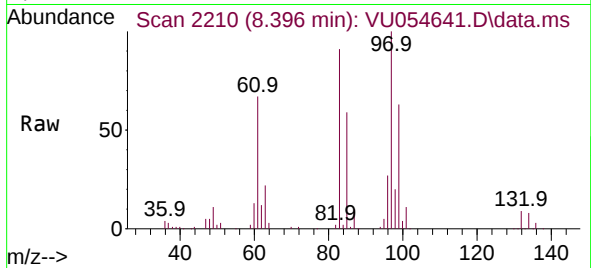


#45
1,1,2-Trichloroethane
Concen: 4.885 ug/L
RT: 8.396 min Scan# 2119
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

Tgt Ion: 97 Resp: 111913

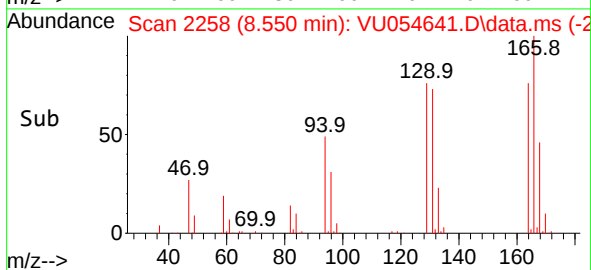
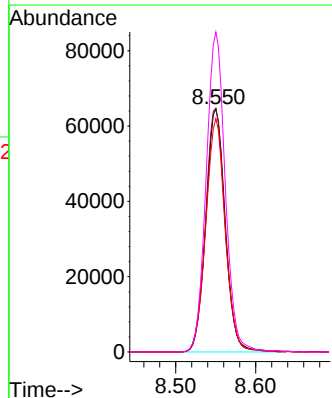
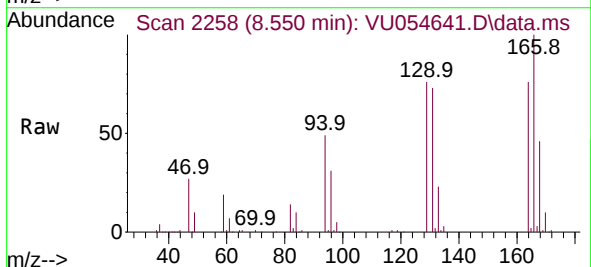
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.0	80.0
83	91.5	63.8	118.6
85	58.8	41.3	76.7

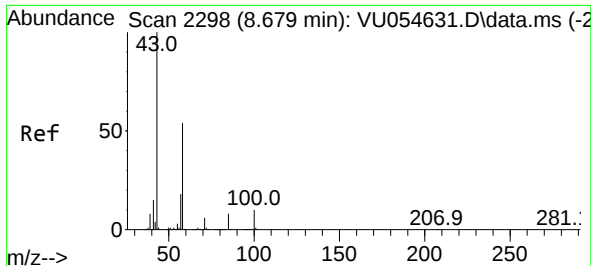


#47
Tetrachloroethene
Concen: 4.070 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 164 Resp: 109728

Ion	Ratio	Lower	Upper
164	100		
129	100.2	67.7	125.7
131	95.9	64.6	120.0
166	131.6	88.1	163.7

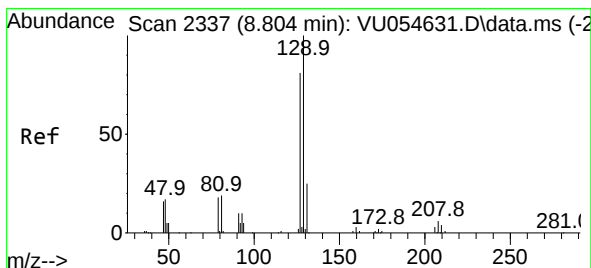
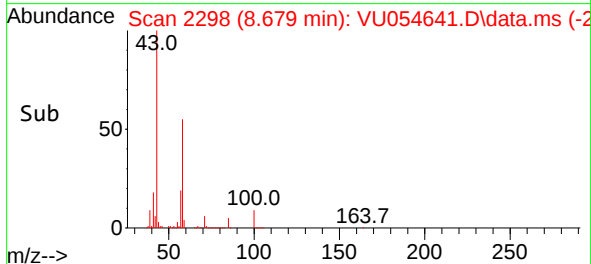
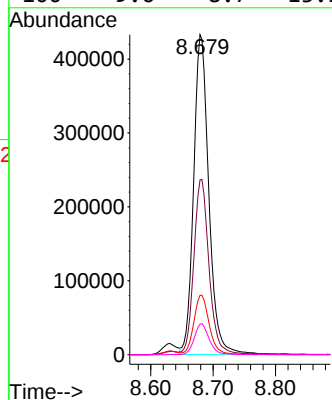
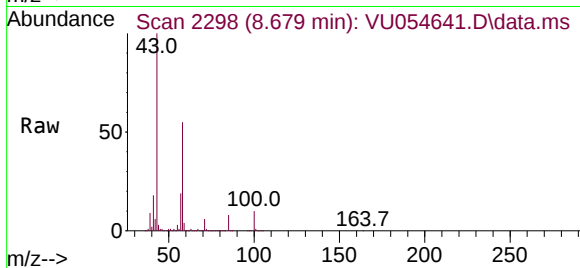




#48
2-Hexanone
Concen: 50.918 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

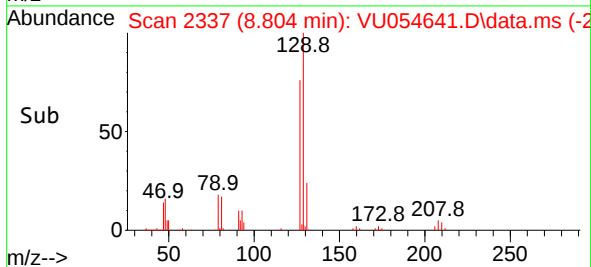
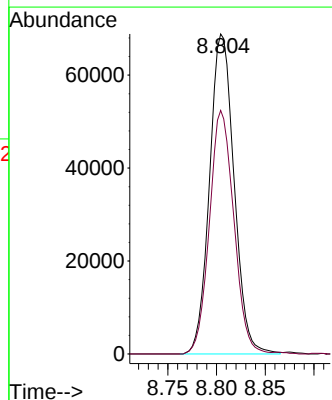
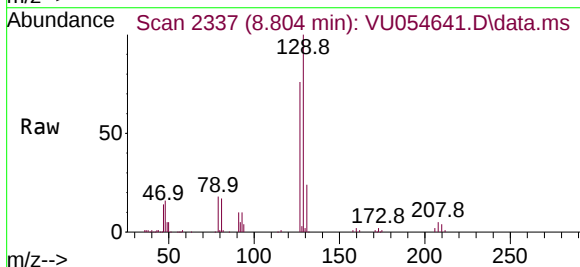
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

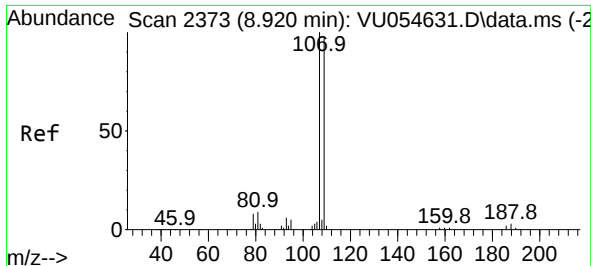
Tgt Ion: 43 Resp: 729068
Ion Ratio Lower Upper
43 100
58 54.4 45.2 67.8
57 18.8 15.8 23.6
100 9.6 8.7 13.1



#49
Dibromochloromethane
Concen: 5.015 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 129 Resp: 120629
Ion Ratio Lower Upper
129 100
127 76.1 53.2 98.8

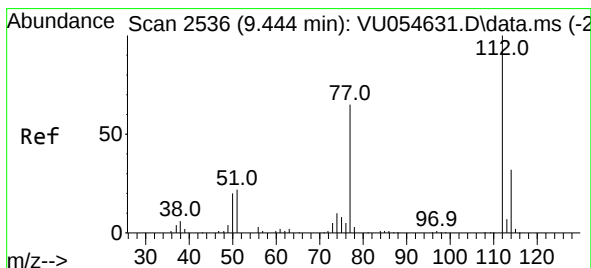
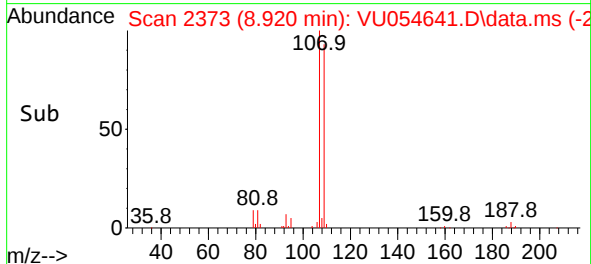
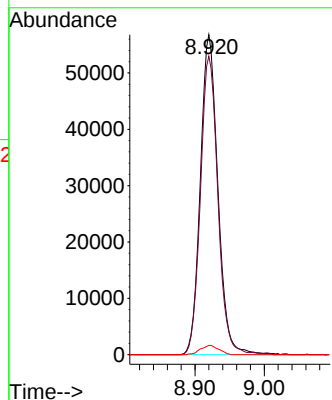
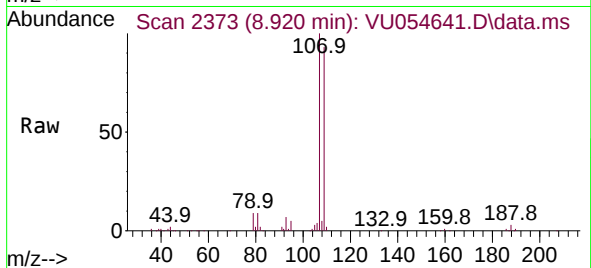




#50
1,2-Dibromoethane
Concen: 4.743 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

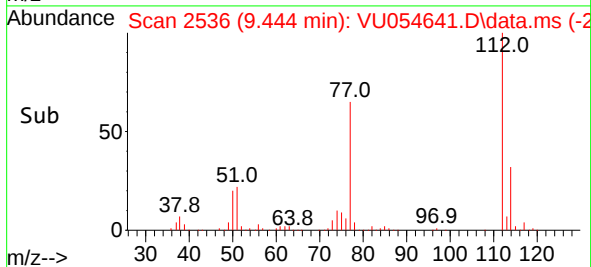
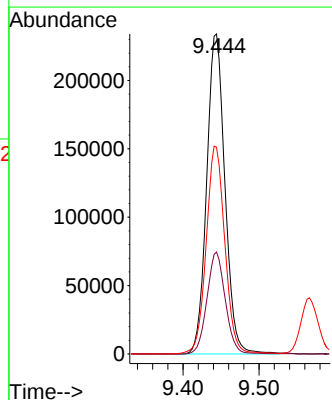
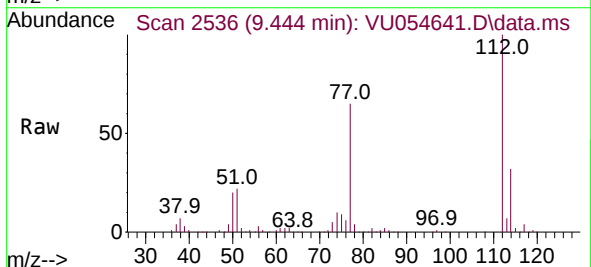
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

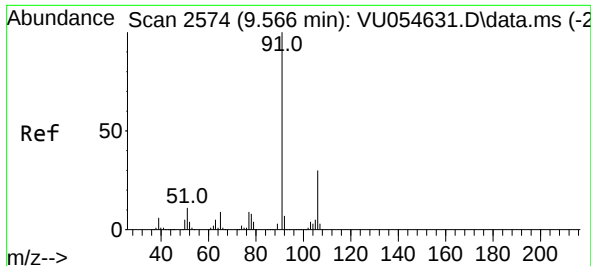
Tgt Ion:107 Resp: 99759
Ion Ratio Lower Upper
107 100
109 93.3 66.6 123.6
188 2.9 3.1 4.7#



#51
Chlorobenzene
Concen: 4.568 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:112 Resp: 390525
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.1
77 64.6 49.8 74.8

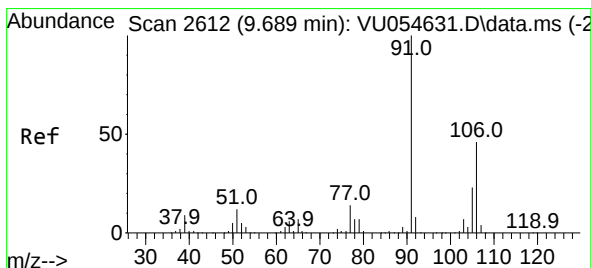
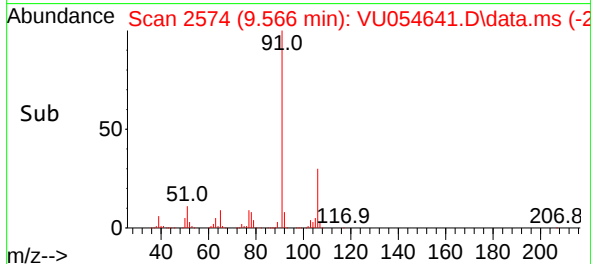
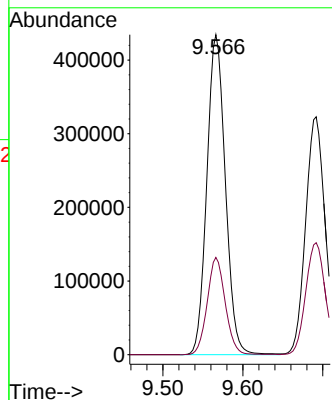
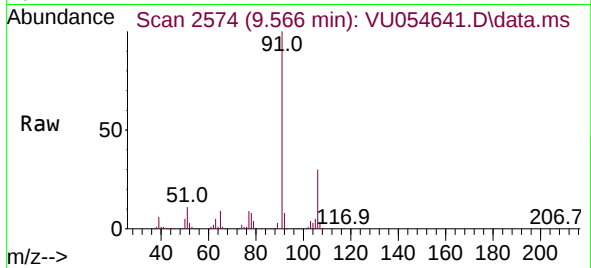




#52
Ethylbenzene
Concen: 4.667 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

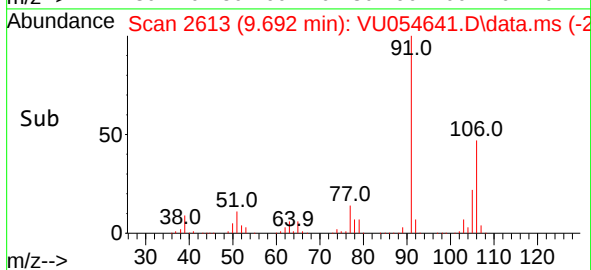
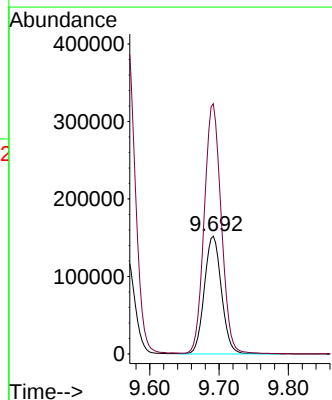
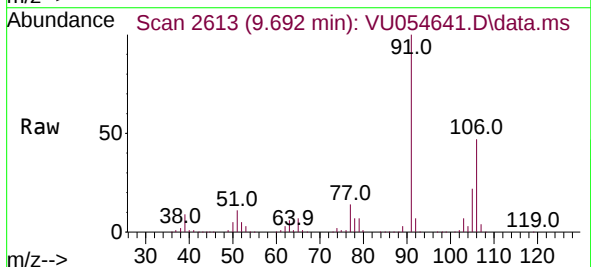
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

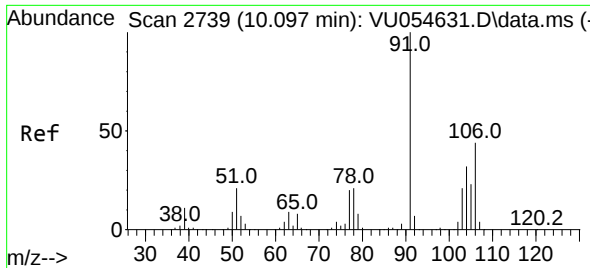
Tgt Ion: 91 Resp: 699012
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 4.747 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 106 Resp: 261193
Ion Ratio Lower Upper
106 100
91 212.4 147.0 273.0

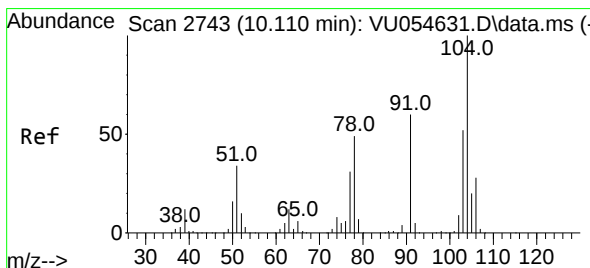
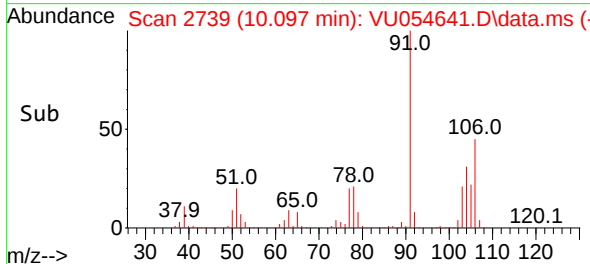
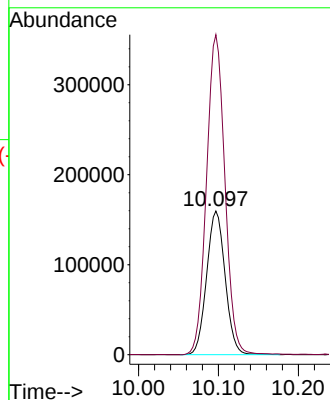
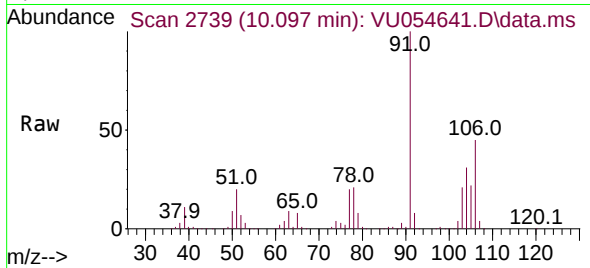




#54
o-Xylene
Concen: 4.835 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

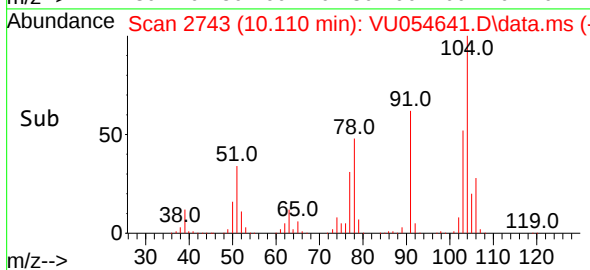
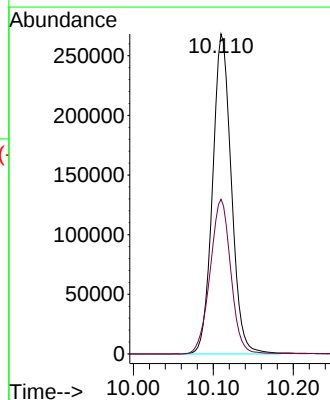
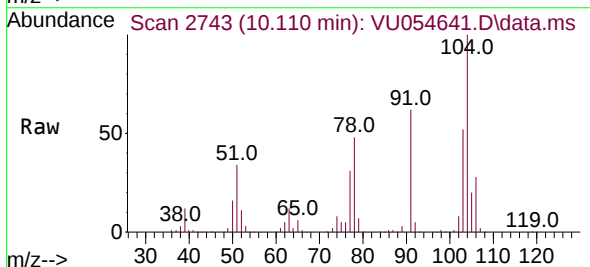
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

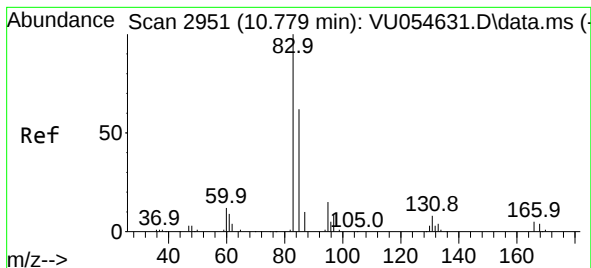
Tgt Ion:106 Resp: 257300
Ion Ratio Lower Upper
106 100
91 222.6 154.5 286.9



#55
Styrene
Concen: 4.909 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:104 Resp: 438449
Ion Ratio Lower Upper
104 100
78 48.4 33.0 61.4

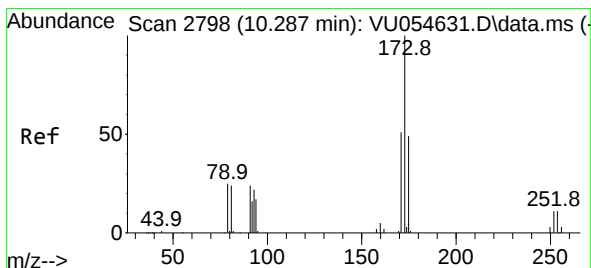
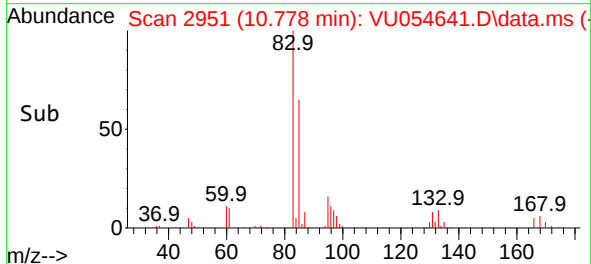
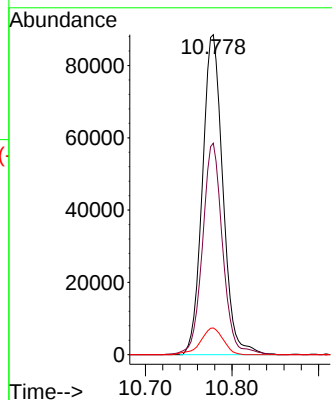
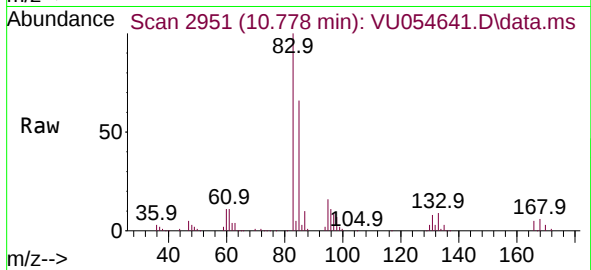




#57
1,1,2,2-Tetrachloroethane
Concen: 4.997 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

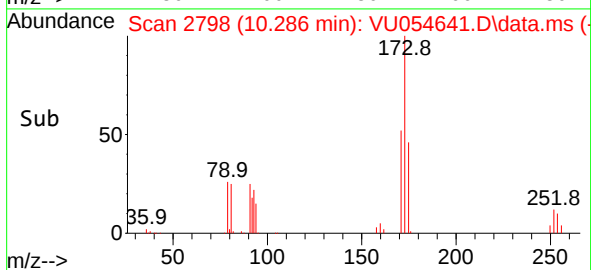
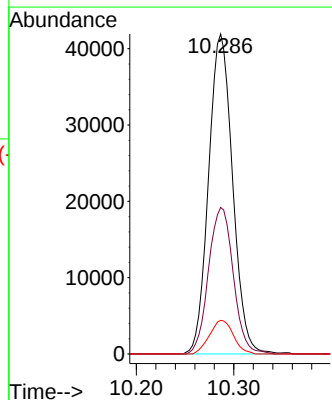
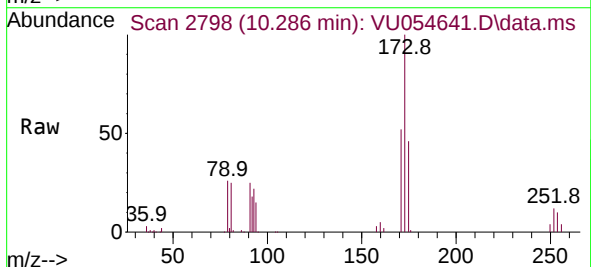
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

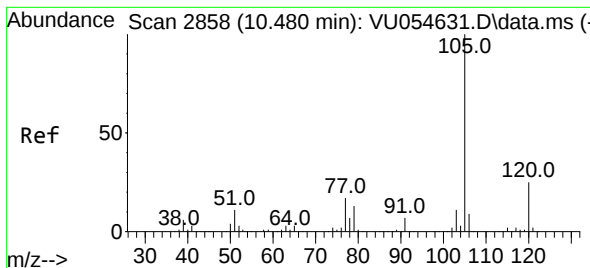
Tgt Ion: 83 Resp: 145387
Ion Ratio Lower Upper
83 100
85 66.1 44.2 82.2
131 8.3 7.0 10.6



#59
Bromoform
Concen: 5.308 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:173 Resp: 71753
Ion Ratio Lower Upper
173 100
175 47.1 39.4 59.0
254 10.4 8.6 12.8





#60

Isopropylbenzene

Concen: 5.052 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005194

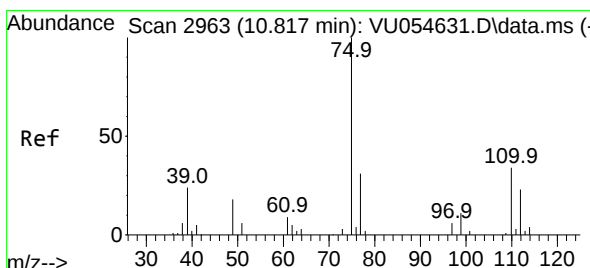
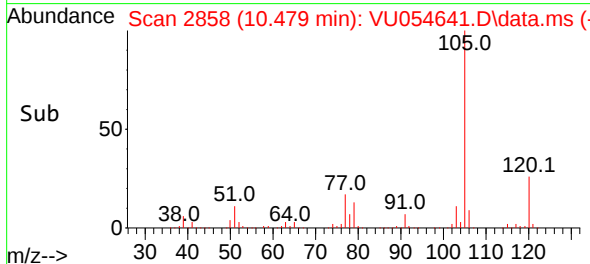
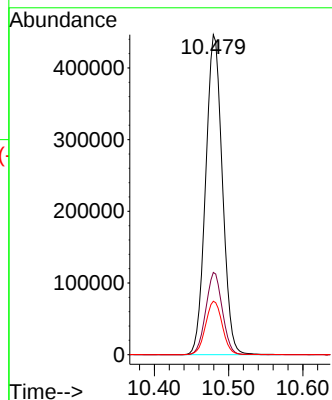
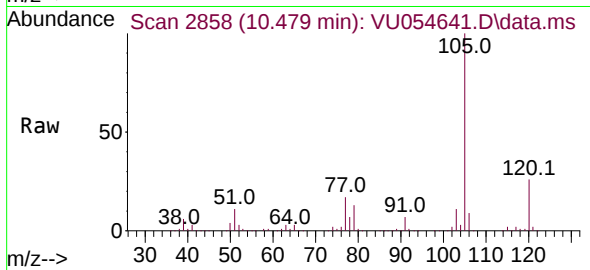
Tgt Ion:105 Resp: 695993

Ion Ratio Lower Upper

105 100

120 25.4 20.9 31.3

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.105 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU054641.D

Acq: 21 Jun 2023 16:49

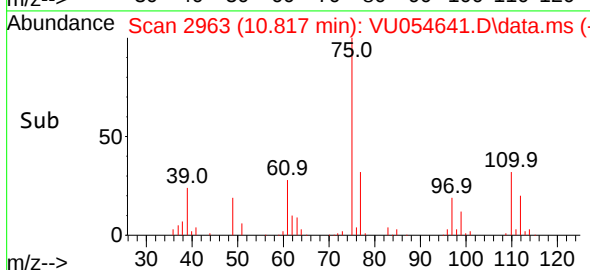
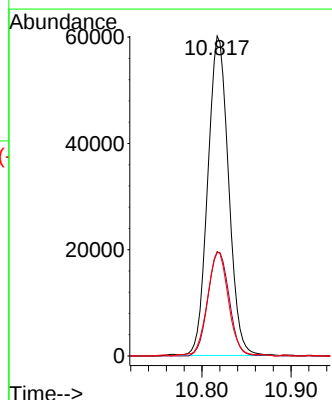
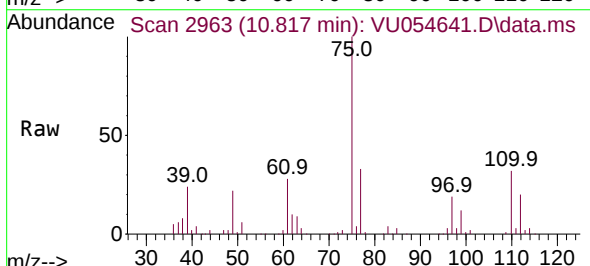
Tgt Ion: 75 Resp: 97147

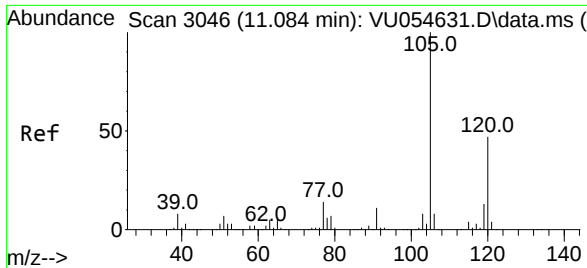
Ion Ratio Lower Upper

75 100

110 33.2 28.0 42.0

77 33.4 25.4 38.2

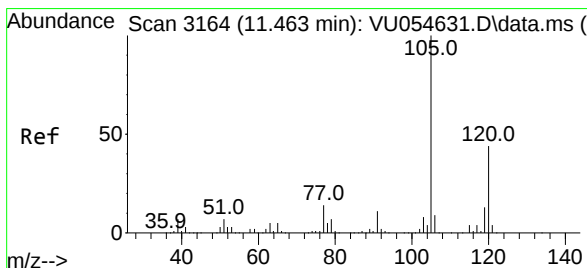
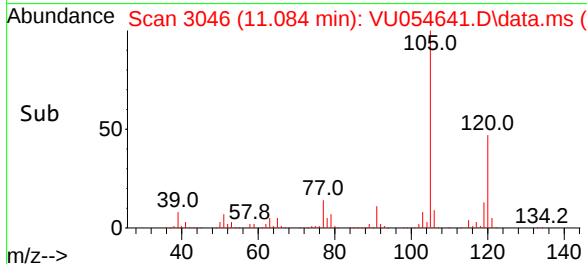
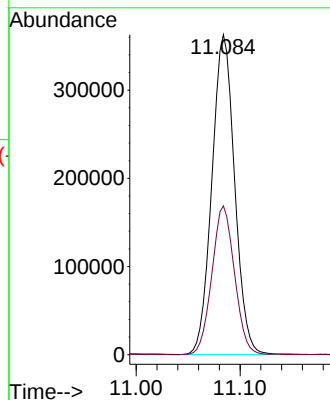
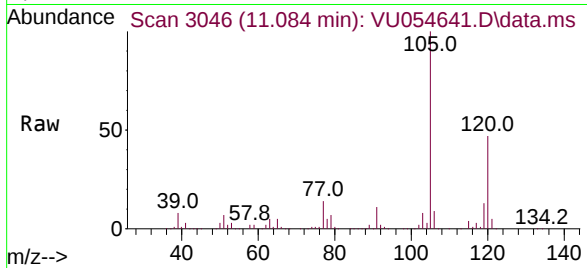




#62
1,3,5-Trimethylbenzene
Concen: 4.900 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

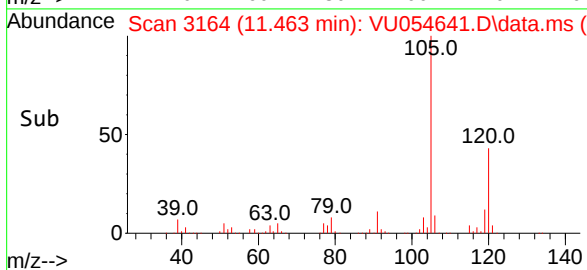
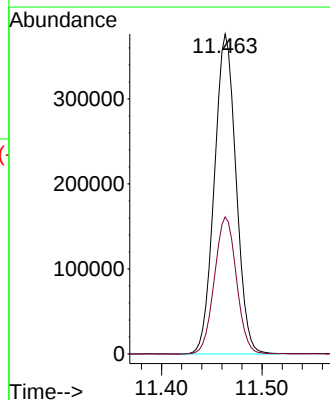
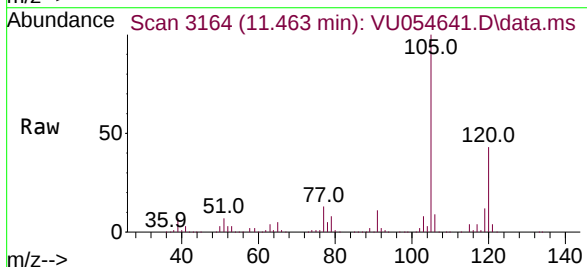
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

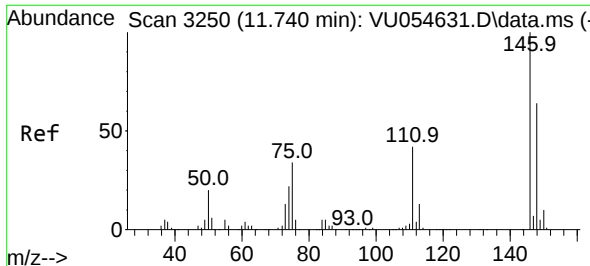
Tgt Ion:105 Resp: 550745
Ion Ratio Lower Upper
105 100
120 46.3 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.949 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:105 Resp: 564947
Ion Ratio Lower Upper
105 100
120 43.5 35.4 53.0

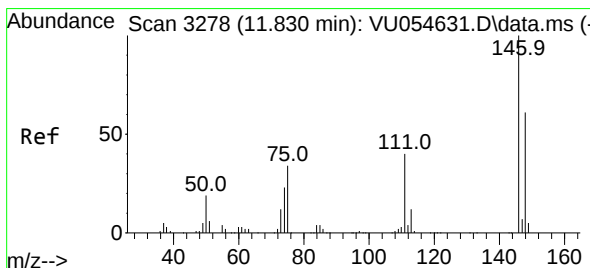
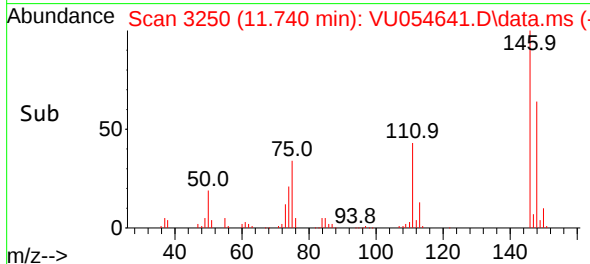
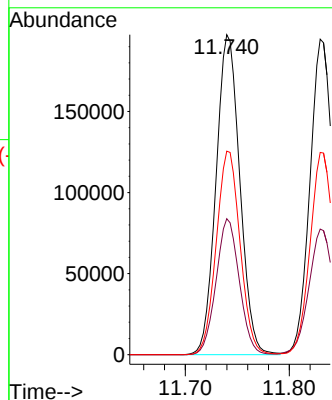
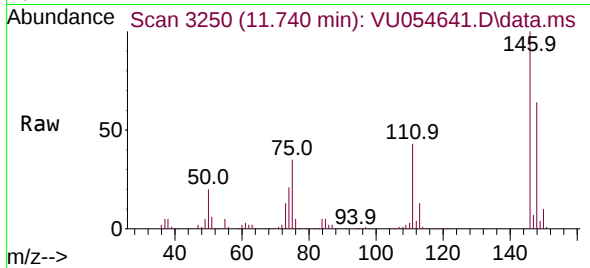




#64
1,3-Dichlorobenzene
Concen: 4.880 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

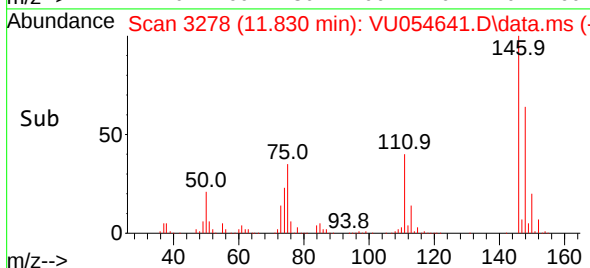
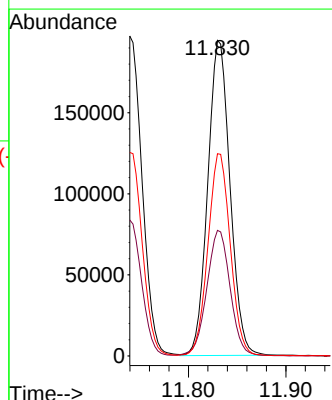
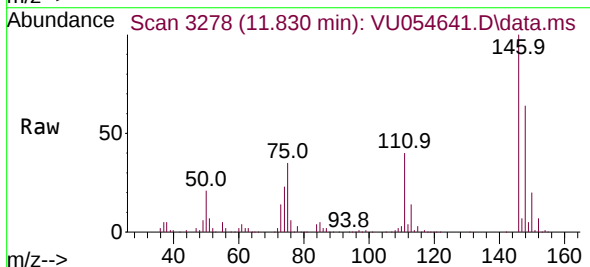
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

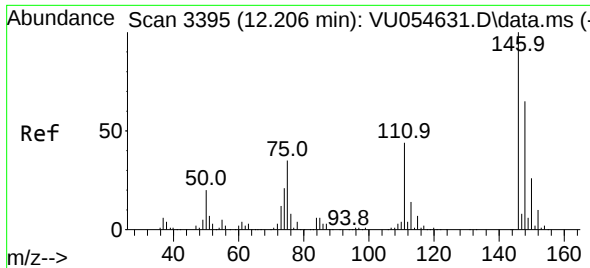
Tgt Ion:146 Resp: 314251
Ion Ratio Lower Upper
146 100
111 42.5 28.9 53.7
148 63.6 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.770 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:146 Resp: 308265
Ion Ratio Lower Upper
146 100
111 39.8 28.0 52.0
148 64.1 44.7 83.1

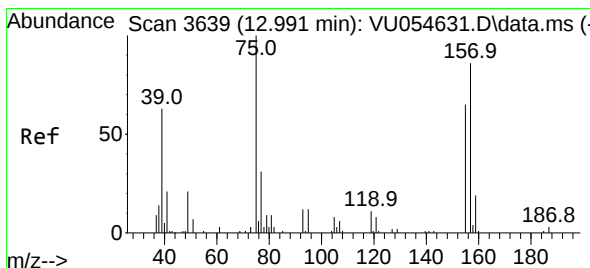
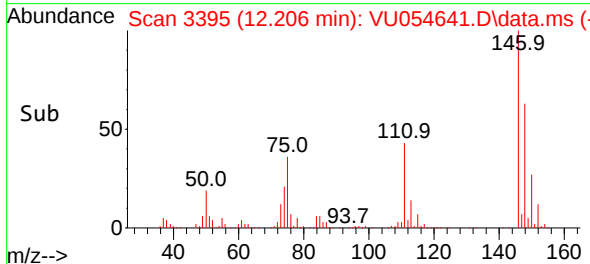
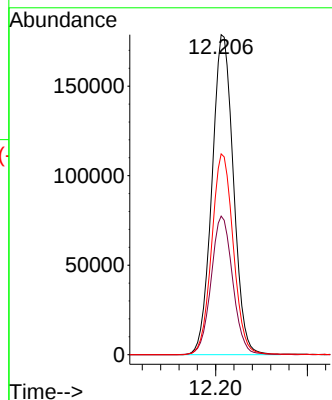
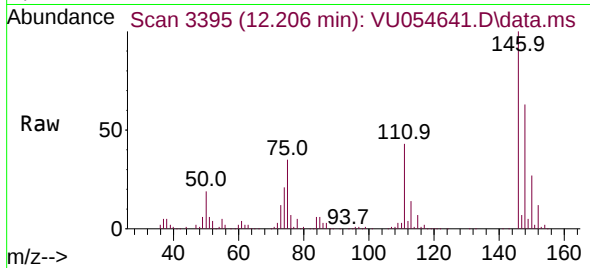




#67
1,2-Dichlorobenzene
Concen: 4.905 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

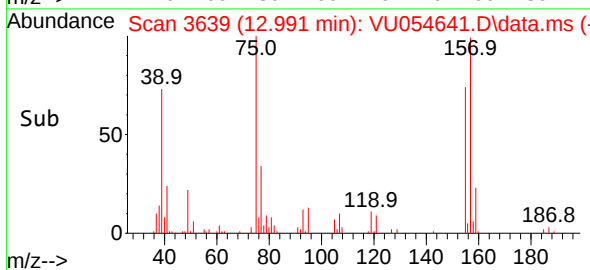
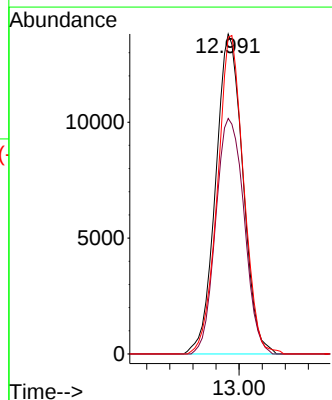
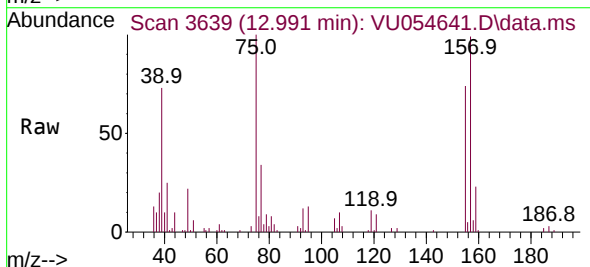
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

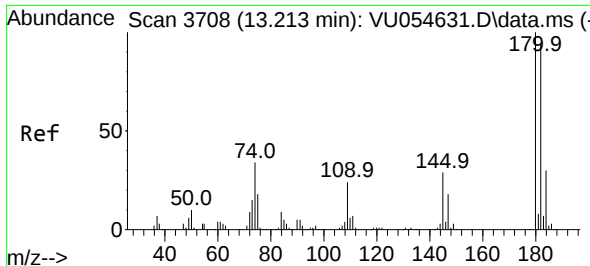
Tgt Ion:146 Resp: 290471
Ion Ratio Lower Upper
146 100
111 43.3 34.5 51.7
148 62.7 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 5.406 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion: 75 Resp: 22607
Ion Ratio Lower Upper
75 100
155 73.6 65.7 98.5
157 99.0 84.2 126.2

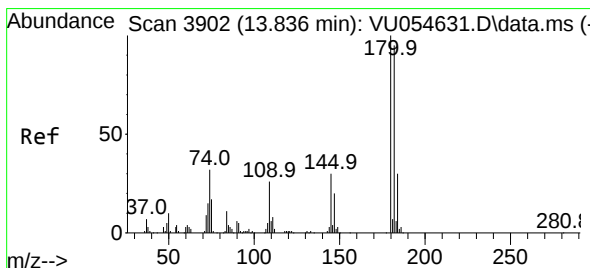
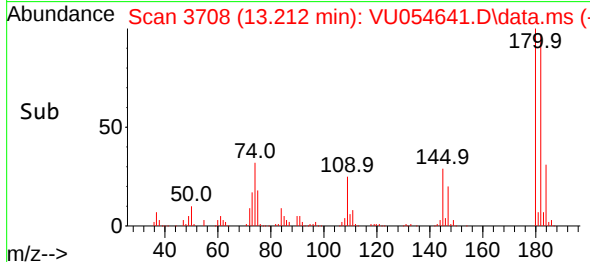
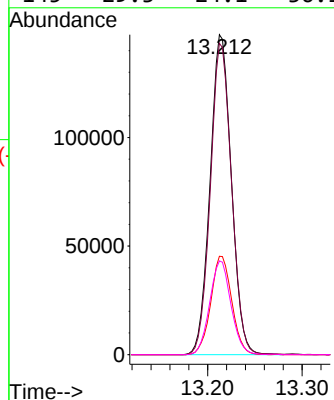
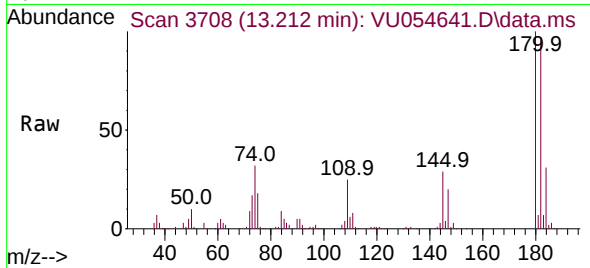




#69
1,3,5-Trichlorobenzene
Concen: 4.741 ug/L
RT: 13.212 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

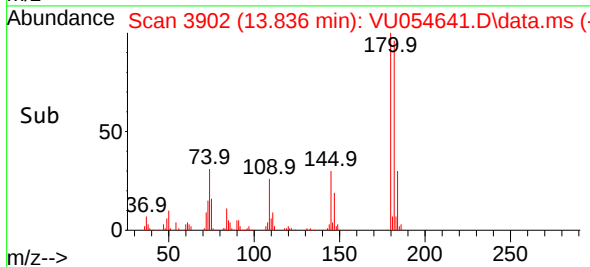
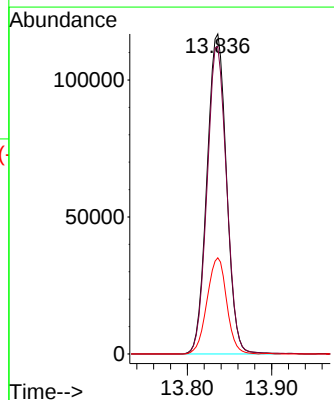
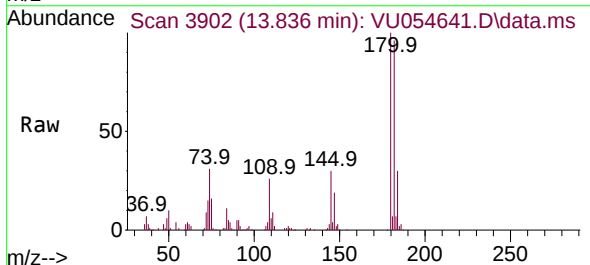
Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

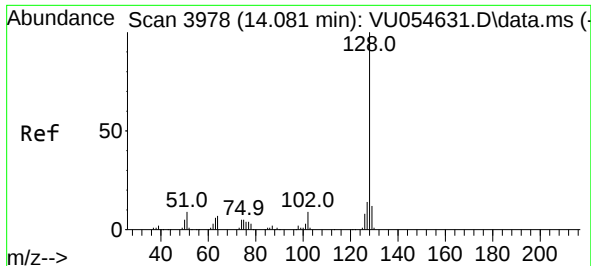
Tgt Ion:180 Resp: 230325
Ion Ratio Lower Upper
180 100
182 96.6 75.0 112.6
184 30.4 24.1 36.1
145 29.3 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 4.697 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:180 Resp: 188708
Ion Ratio Lower Upper
180 100
182 96.1 76.6 114.8
145 30.2 24.0 36.0

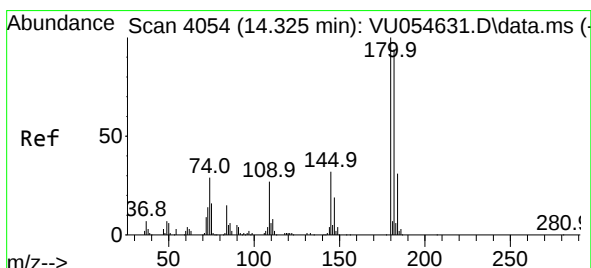
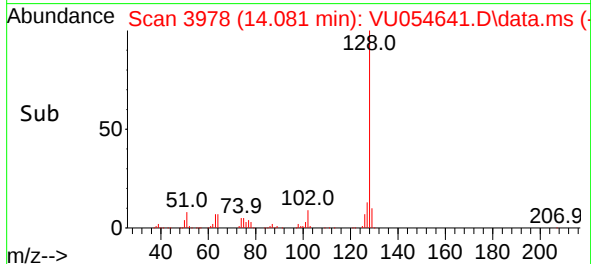
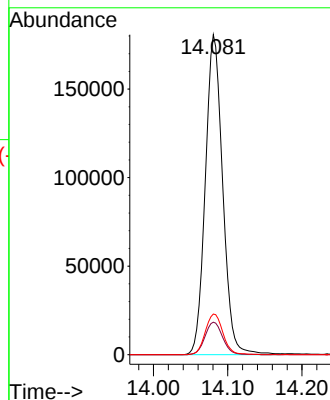
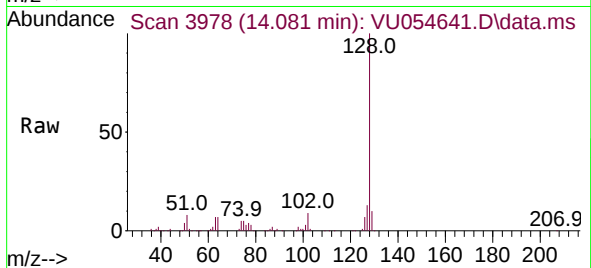




#71
Naphthalene
Concen: 4.489 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD005194

Tgt Ion:128	Resp:	293217	
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	13.0	10.6	15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.797 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054641.D
Acq: 21 Jun 2023 16:49

Tgt Ion:180	Resp:	165566	
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.4	113.2
145	31.6	26.0	39.0

