

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060723\
 Data File : VU054411.D
 Acq On : 07 Jun 2023 14:30
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005173

Quant Time: Jun 08 01:17:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:12:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	324667	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	305386	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	162867	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	97952	4.741	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.800%
7) Chloroethane-d5	1.914	69	94422	4.881	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.563	65	42968	4.656	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	4.631	46	301187	51.845	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.700%
24) Chloroform-d	5.062	84	220490	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.698	65	105737	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.724	84	421604	4.966	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	6.685	67	143231	5.052	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.894	98	381553	5.064	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.177	79	50876	5.160	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.200%
46) 2-Hexanone-d5	8.631	63	211572	51.152	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.300%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	104952	4.964	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	139957	5.095	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	158313	5.219	ug/L	98
3) Chloromethane	1.518	50	178567	5.124	ug/L	100
5) Vinyl chloride	1.605	62	186686	5.219	ug/L	99
6) Bromomethane	1.859	94	104359	5.307	ug/L	98
8) Chloroethane	1.933	64	110160	5.138	ug/L	98
9) Trichlorofluoromethane	2.136	101	232932	5.297	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	136223	5.295	ug/L	98
12) 1,1-Dichloroethene	2.579	96	126390	5.367	ug/L	97
13) Acetone	2.644	43	296181	54.073	ug/L	100
14) Carbon disulfide	2.792	76	371302	5.317	ug/L	100
15) Methyl Acetate	2.956	43	54172	5.337	ug/L	96
16) Methylene chloride	3.042	84	140693	4.249	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	311417	5.358	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	125993	5.182	ug/L	99
19) 1,1-Dichloroethane	3.865	63	266158	5.290	ug/L	99
21) 2-Butanone	4.708	43	396961	55.842	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	147517	5.328	ug/L	95
23) Bromochloromethane	4.972	128	59482	5.163	ug/L	94
25) Chloroform	5.084	83	261438	5.270	ug/L	100

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 ALS Vial : 9 Sample Multiplier: 1

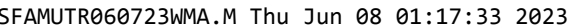
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005173

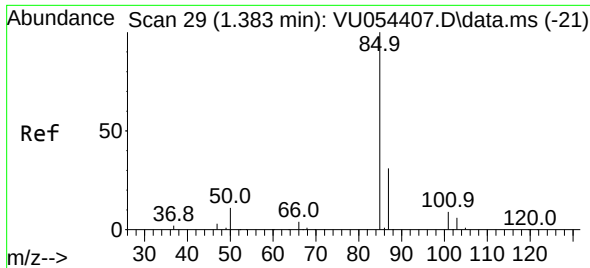
Quant Time: Jun 08 01:17:24 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:12:23 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	153506	5.279	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	217134	5.243	ug/L	99
30) Cyclohexane	5.383	56	240996	5.343	ug/L	99
31) Carbon tetrachloride	5.521	117	187871	5.265	ug/L	98
33) Benzene	5.769	78	578026	5.267	ug/L	100
34) Trichloroethene	6.537	95	149219	5.141	ug/L	97
35) Methylcyclohexane	6.759	83	233450	5.322	ug/L	99
37) 1,2-Dichloropropane	6.785	63	159408	5.372	ug/L	100
38) Bromodichloromethane	7.100	83	175994	5.239	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	219393	5.415	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	842567	53.204	ug/L	100
42) Toluene	7.965	91	609024	5.388	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	175171	5.328	ug/L	95
45) 1,1,2-Trichloroethane	8.396	97	99932	5.293	ug/L	96
47) Tetrachloroethene	8.550	164	112469	5.063	ug/L	99
48) 2-Hexanone	8.679	43	635874	53.888	ug/L	99
49) Dibromochloromethane	8.804	129	106590	5.377	ug/L	99
50) 1,2-Dibromoethane	8.920	107	93420	5.390	ug/L	100
51) Chlorobenzene	9.444	112	371346	5.271	ug/L	99
52) Ethylbenzene	9.566	91	664132	5.380	ug/L	100
53) m,p-Xylene	9.688	106	246407	5.434	ug/L	96
54) o-Xylene	10.097	106	241431	5.506	ug/L	99
55) Styrene	10.110	104	406769	5.527	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	120355	5.019	ug/L	99
59) Bromoform	10.286	173	61482	5.258	ug/L	98
60) Isopropylbenzene	10.479	105	655523	5.502	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	84853	5.155	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	530073	5.453	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	542428	5.494	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	300338	5.393	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	291019	5.207	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	273948	5.348	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	19321	5.342	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	222859	5.304	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	189102	5.442	ug/L	98
71) Naphthalene	14.081	128	307978	5.451	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	162657	5.449	ug/L	99

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

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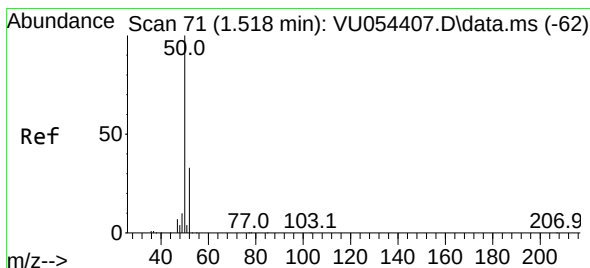
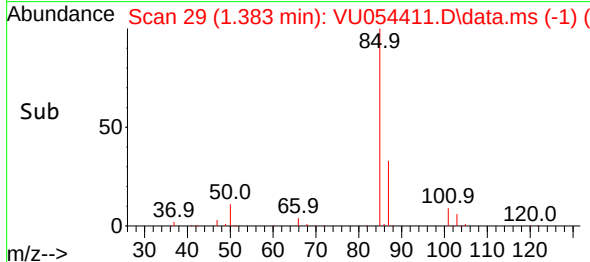
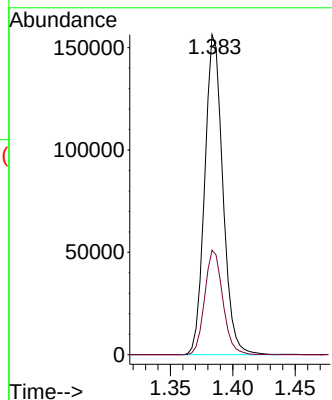
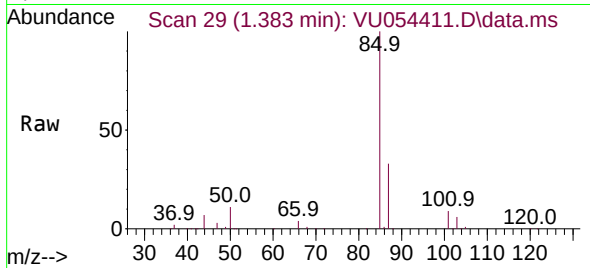




#2
 Dichlorodifluoromethane
 Concen: 5.219 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

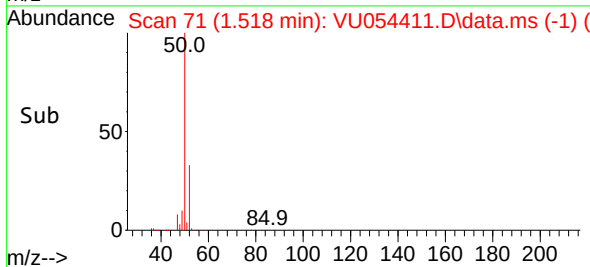
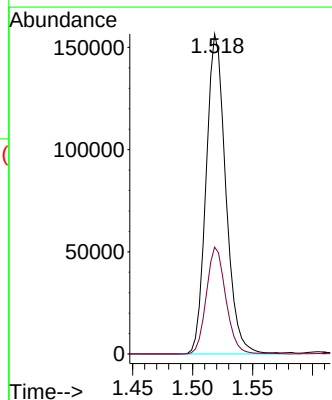
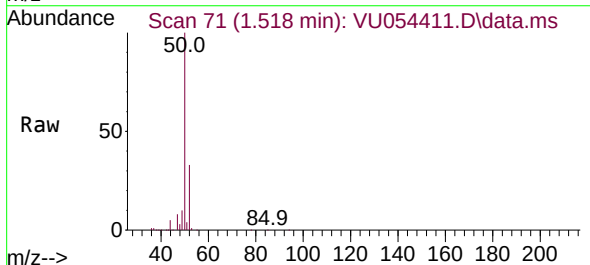
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005173

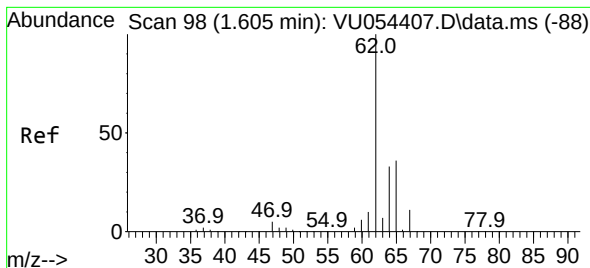
Tgt Ion: 85 Resp: 158313
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.4 38.2



#3
 Chloromethane
 Concen: 5.124 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

Tgt Ion: 50 Resp: 178567
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 5.219 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

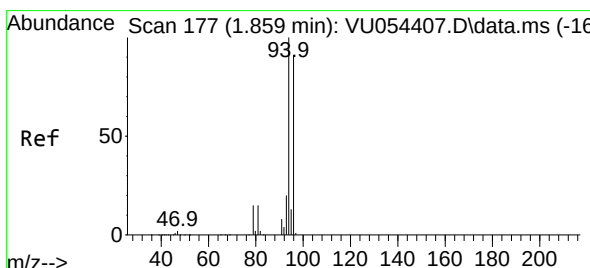
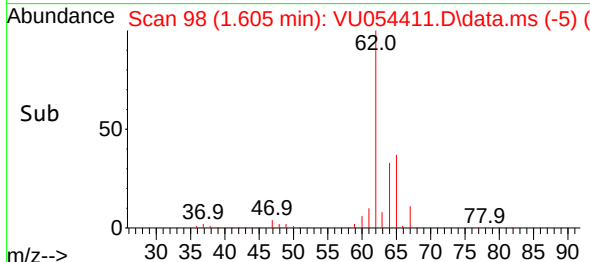
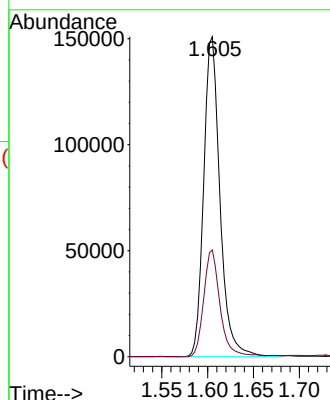
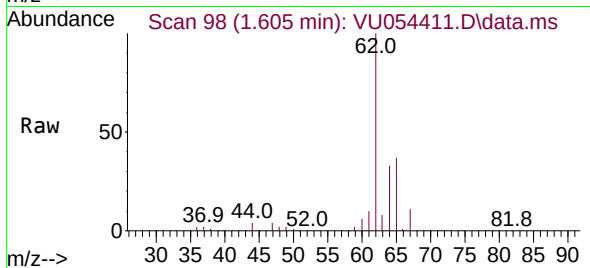
VSTD005173

Tgt Ion: 62 Resp: 186686

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.6



#6

Bromomethane

Concen: 5.307 ug/L

RT: 1.859 min Scan# 177

Delta R.T. -0.000 min

Lab File: VU054411.D

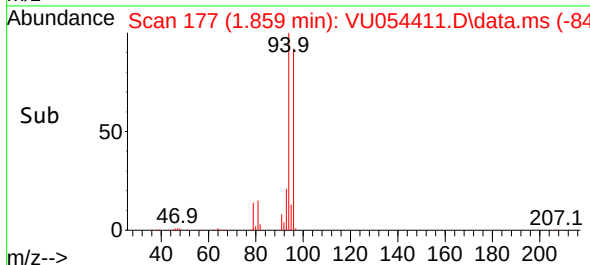
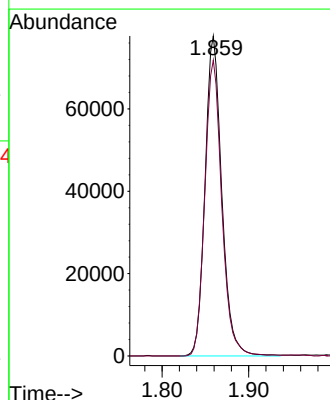
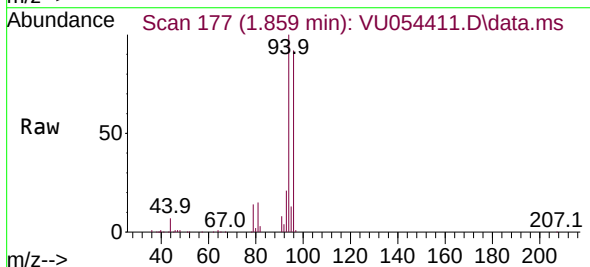
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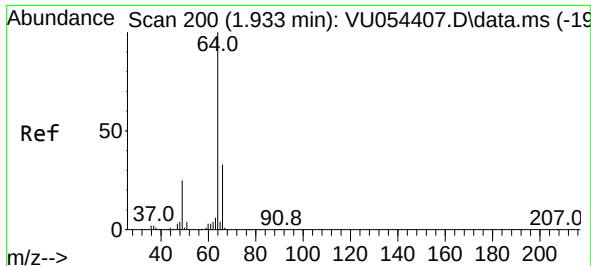
Tgt Ion: 94 Resp: 104359

Ion Ratio Lower Upper

94 100

96 92.5 63.6 118.2





#8

Chloroethane

Concen: 5.138 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

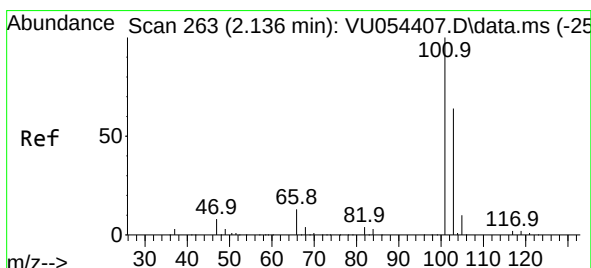
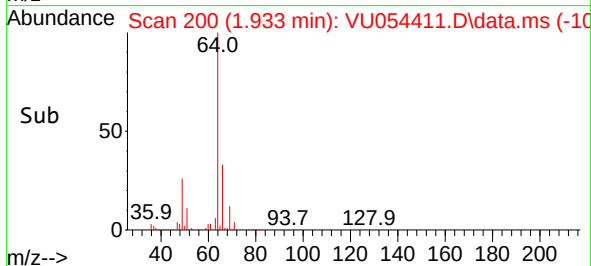
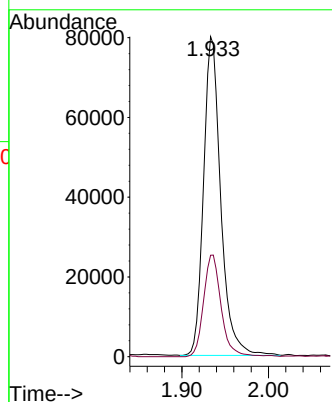
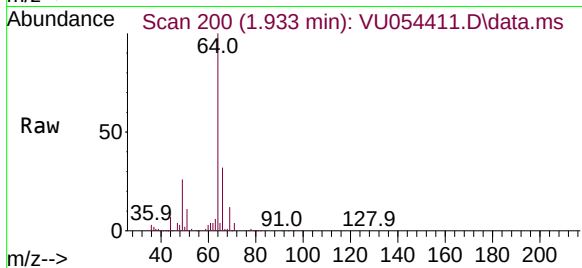
VSTD005173

Tgt Ion: 64 Resp: 110160

Ion Ratio Lower Upper

64 100

66 31.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.297 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.000 min

Lab File: VU054411.D

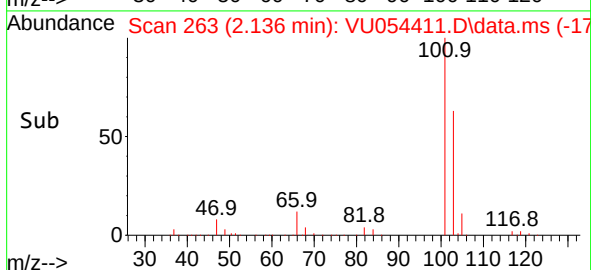
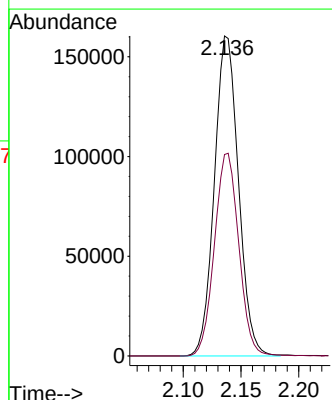
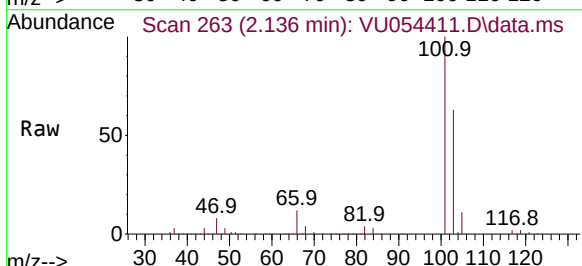
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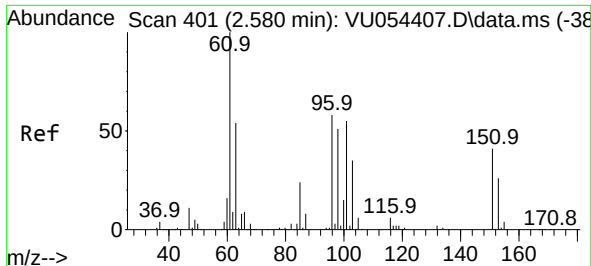
Tgt Ion: 101 Resp: 232932

Ion Ratio Lower Upper

101 100

103 64.0 50.6 75.8

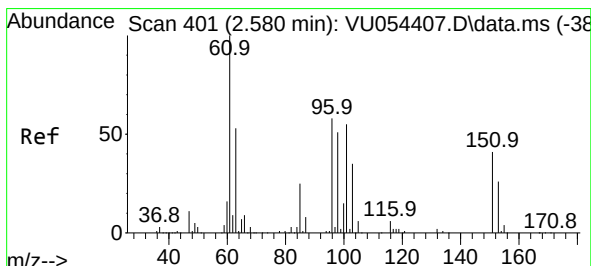
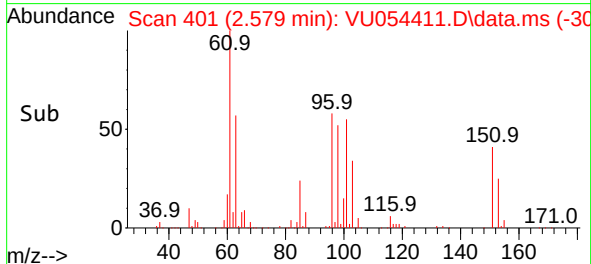
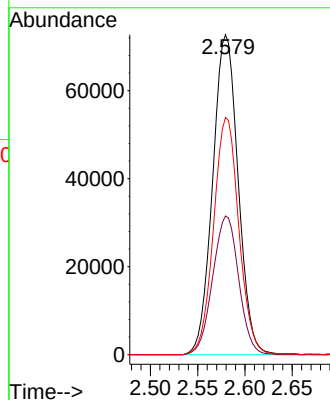
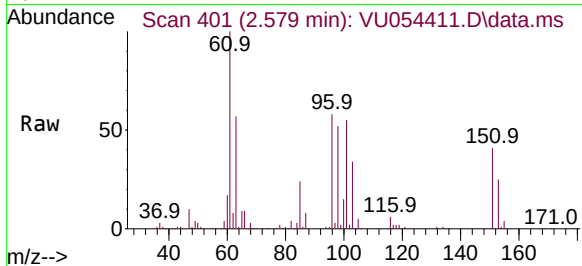




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.295 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

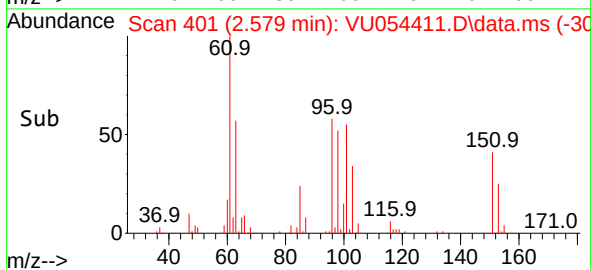
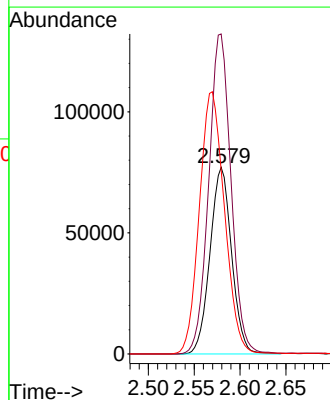
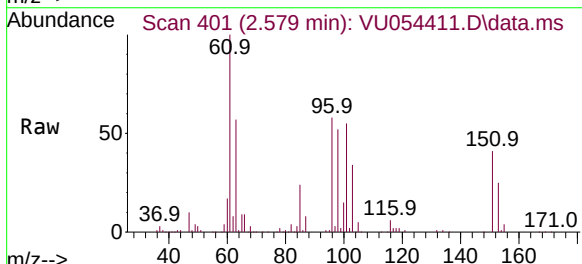
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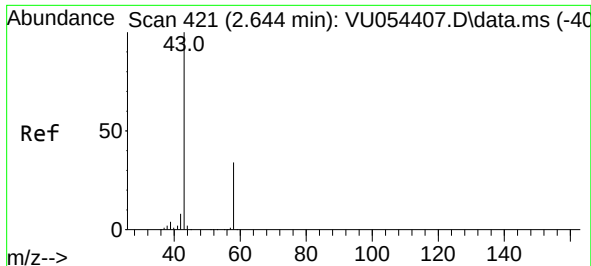
Tgt Ion:101 Resp: 136223
 Ion Ratio Lower Upper
 101 100
 85 44.2 34.6 51.8
 151 73.6 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.367 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.001 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

Tgt Ion: 96 Resp: 126390
 Ion Ratio Lower Upper
 96 100
 61 171.6 119.9 222.7
 63 98.5 64.3 119.3





#13

Acetone

Concen: 54.073 ug/L

RT: 2.644 min Scan# 421

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

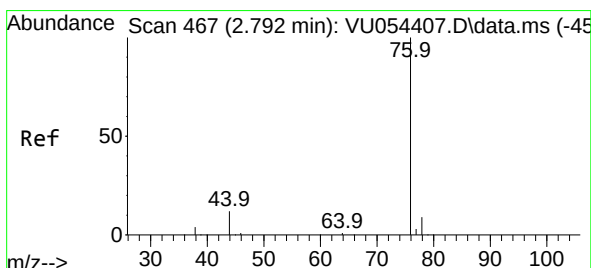
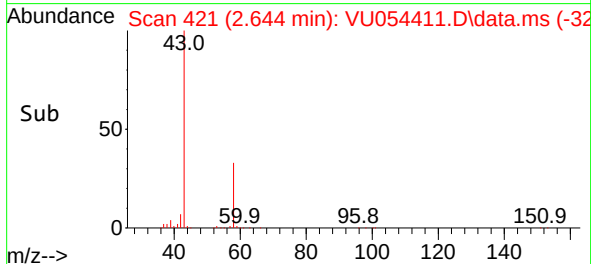
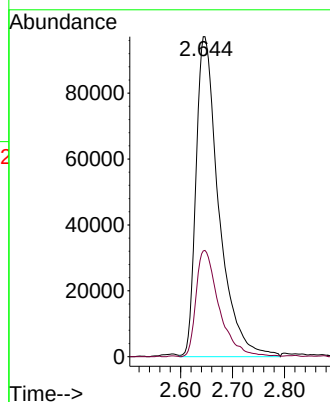
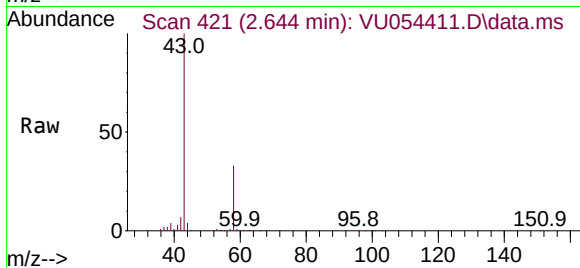
VSTD005173

Tgt Ion: 43 Resp: 296181

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.2



#14

Carbon disulfide

Concen: 5.317 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054411.D

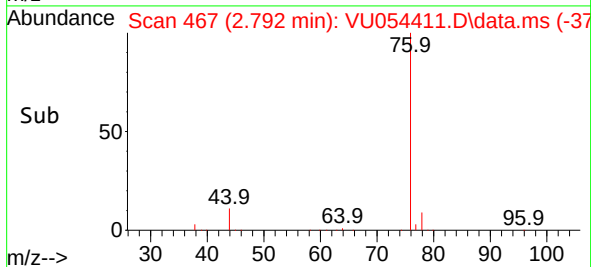
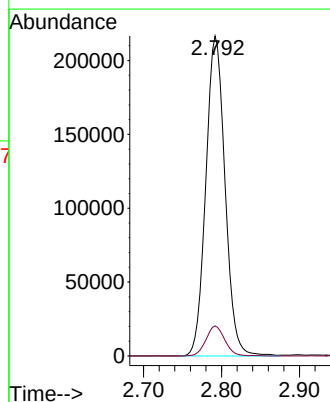
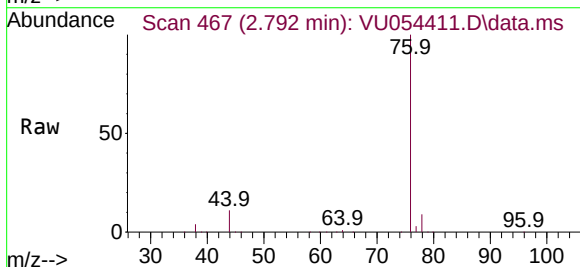
Acq: 07 Jun 2023 14:30

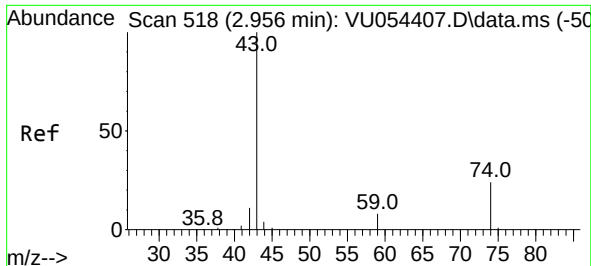
Tgt Ion: 76 Resp: 371302

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

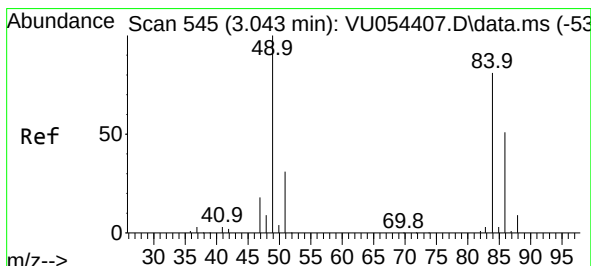
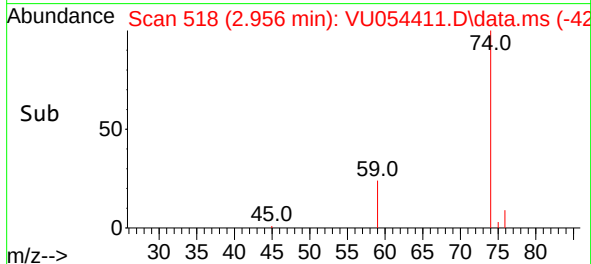
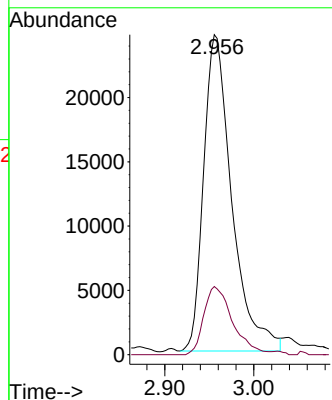
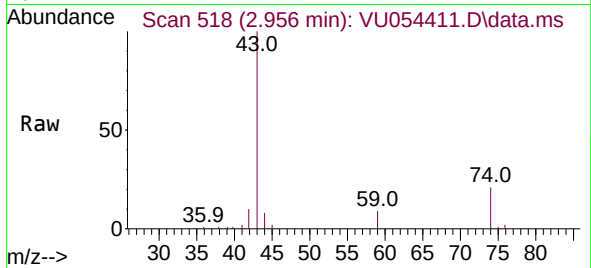




#15
Methyl Acetate
Concen: 5.337 ug/L
RT: 2.956 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

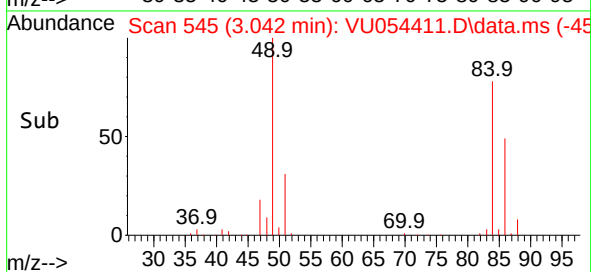
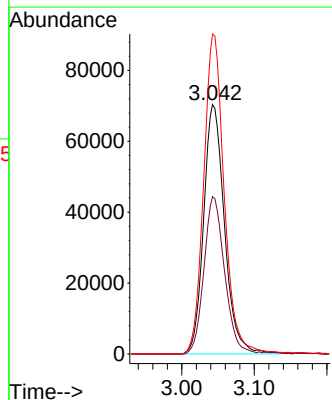
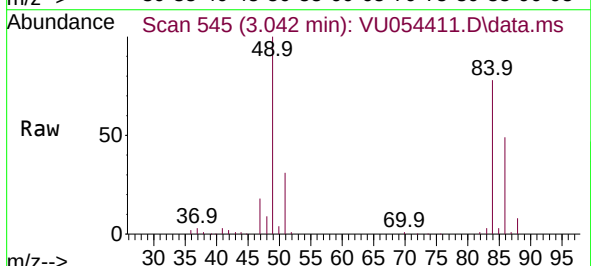
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

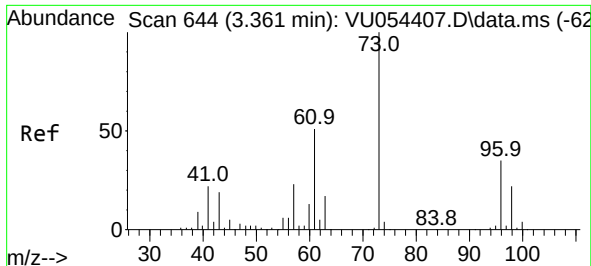
Tgt Ion: 43 Resp: 54172
Ion Ratio Lower Upper
43 100
74 22.0 19.0 28.6



#16
Methylene chloride
Concen: 4.249 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 84 Resp: 140693
Ion Ratio Lower Upper
84 100
86 63.1 43.9 81.5
49 128.3 86.1 159.9

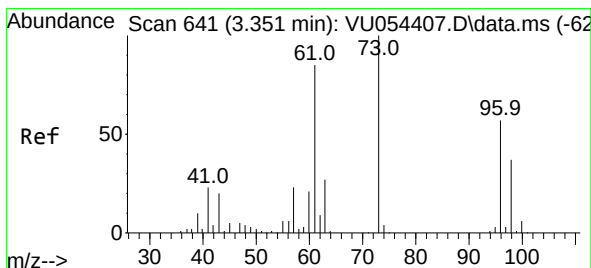
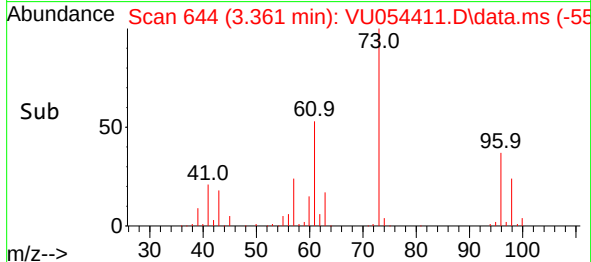
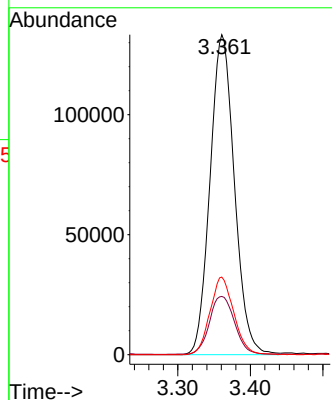
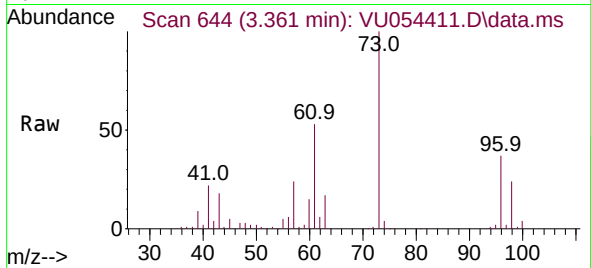




#17
Methyl tert-butyl Ether
Concen: 5.358 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

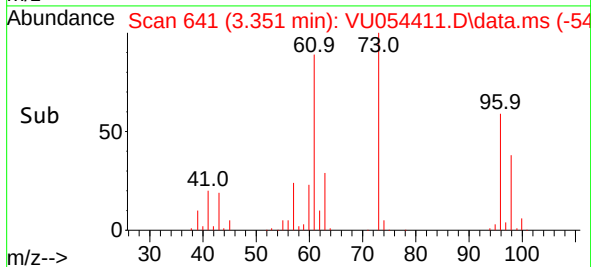
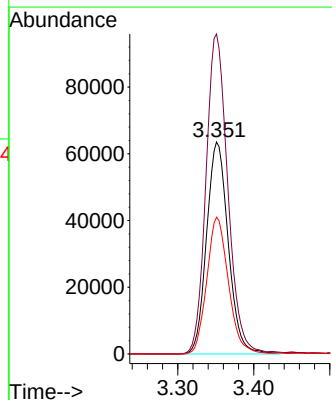
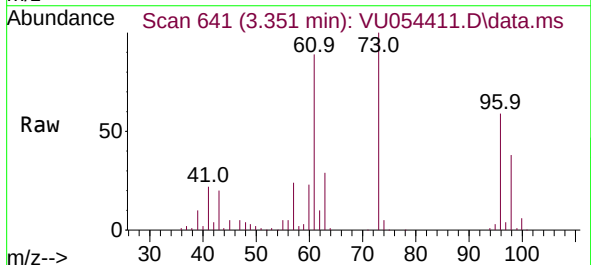
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

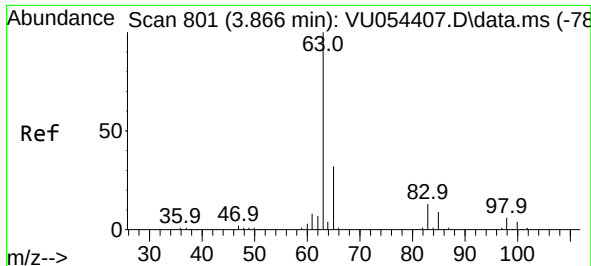
Tgt Ion: 73 Resp: 311417
Ion Ratio Lower Upper
73 100
43 18.4 15.7 23.5
57 23.7 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.182 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 96 Resp: 125993
Ion Ratio Lower Upper
96 100
61 151.0 104.6 194.2
98 64.5 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.290 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005173

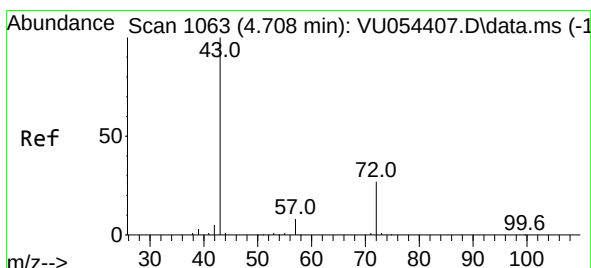
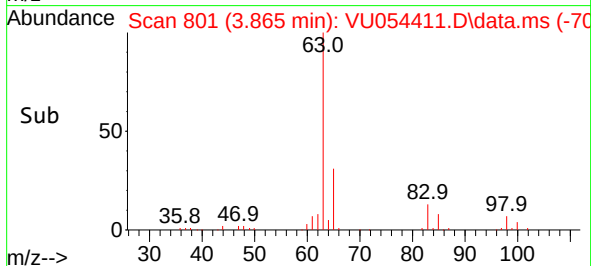
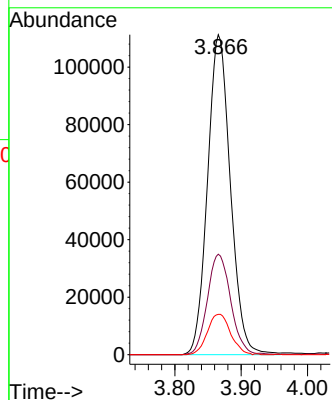
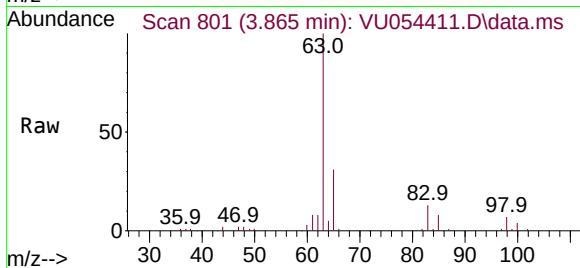
Tgt Ion: 63 Resp: 266158

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

83 12.6 9.0 16.6



#21

2-Butanone

Concen: 55.842 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VU054411.D

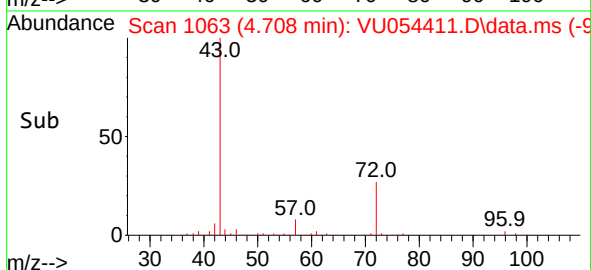
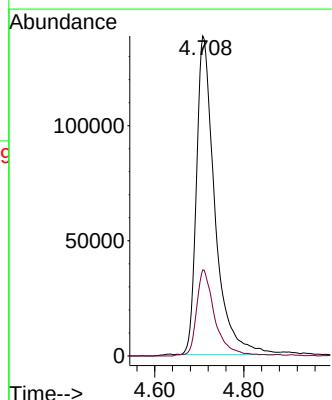
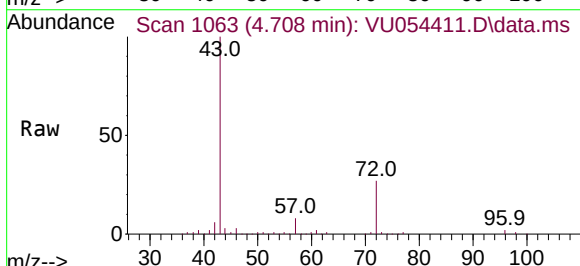
Acq: 07 Jun 2023 14:30

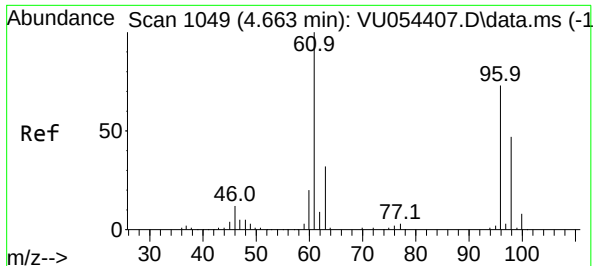
Tgt Ion: 43 Resp: 396961

Ion Ratio Lower Upper

43 100

72 26.9 13.4 40.1





#22

cis-1,2-Dichloroethene

Concen: 5.328 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005173

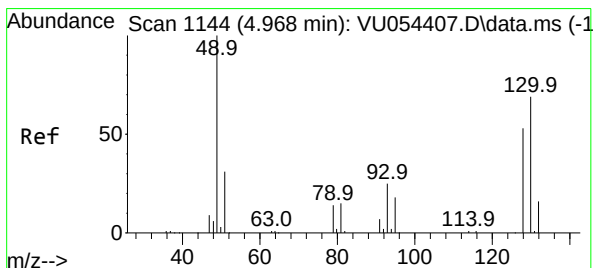
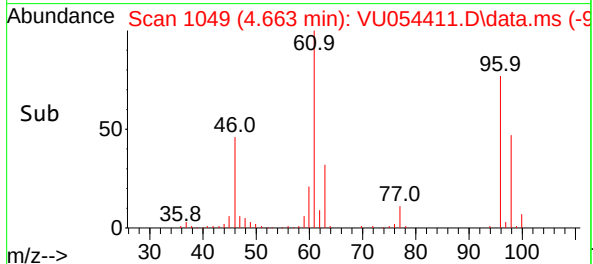
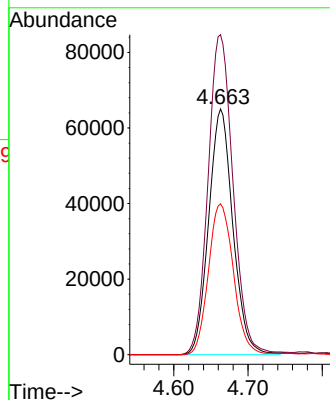
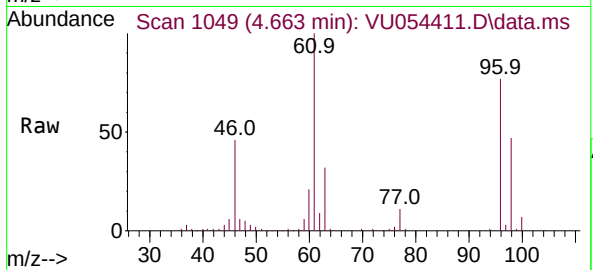
Tgt Ion: 96 Resp: 147517

Ion Ratio Lower Upper

96 100

61 130.2 96.5 179.1

98 61.4 44.9 83.3



#23

Bromochloromethane

Concen: 5.163 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Tgt Ion:128 Resp: 59482

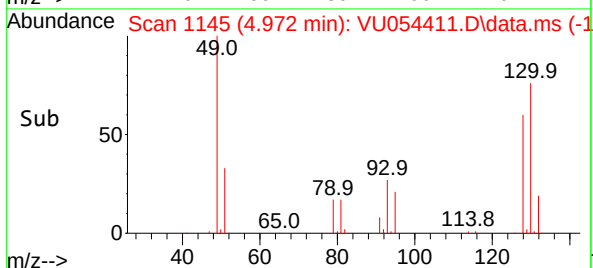
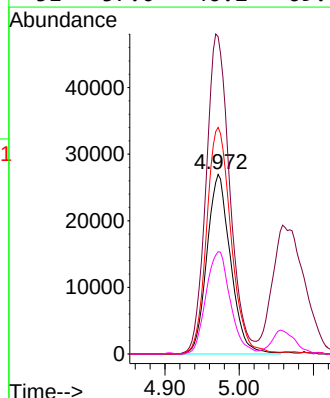
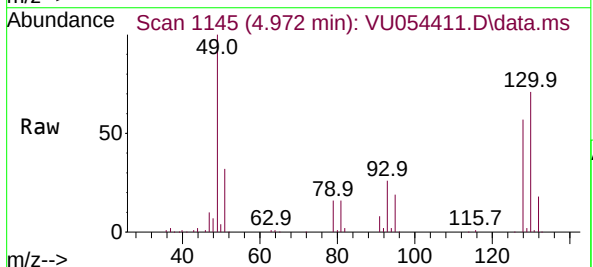
Ion Ratio Lower Upper

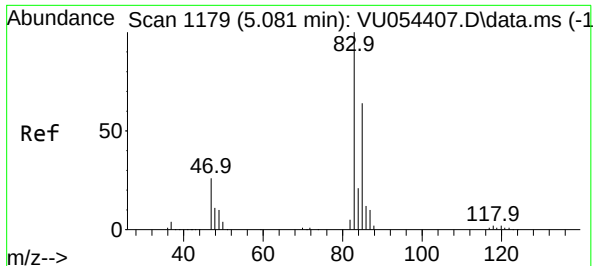
128 100

49 176.7 132.1 245.3

130 126.1 91.5 169.9

51 57.0 46.2 69.4





#25

Chloroform

Concen: 5.270 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

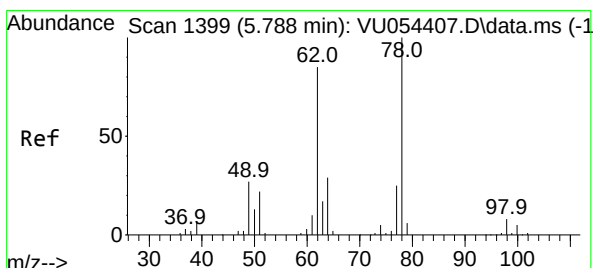
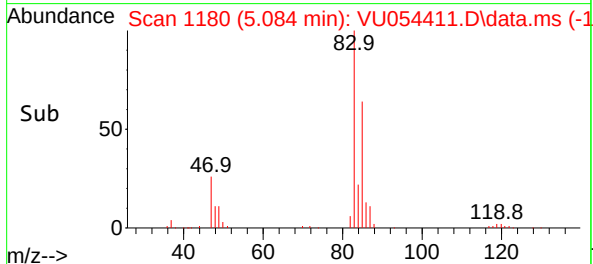
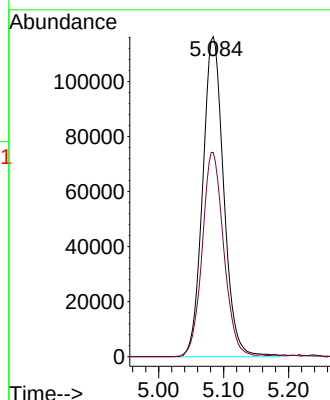
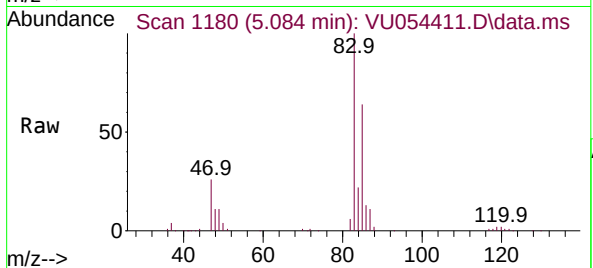
VSTD005173

Tgt Ion: 83 Resp: 261438

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.279 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU054411.D

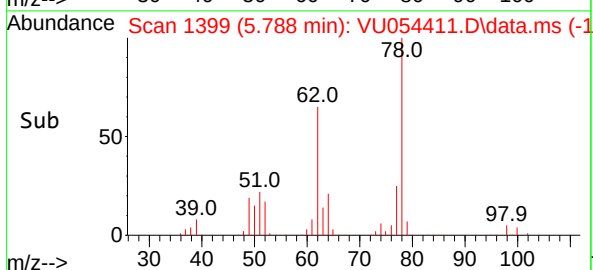
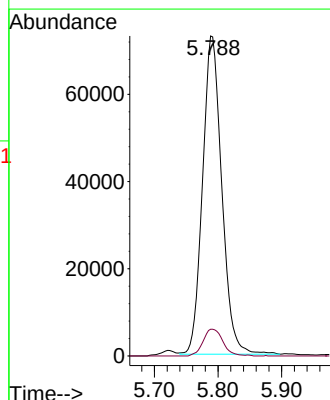
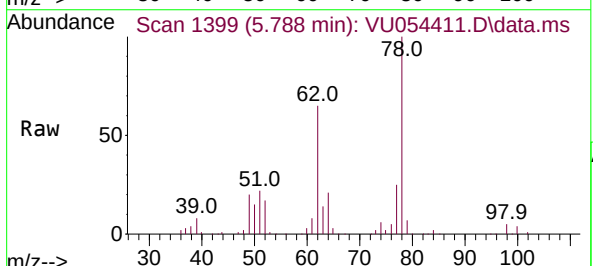
Acq: 07 Jun 2023 14:30

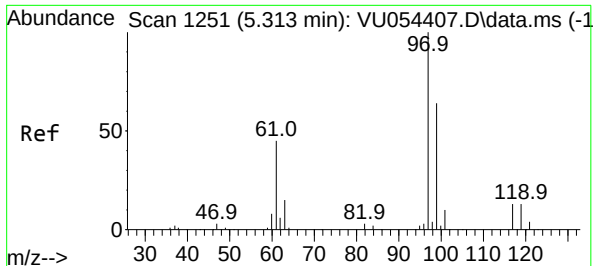
Tgt Ion: 62 Resp: 153506

Ion Ratio Lower Upper

62 100

98 8.4 7.8 11.6

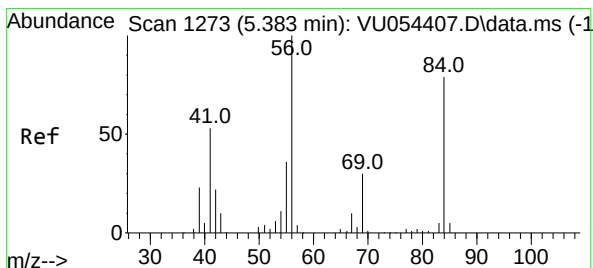
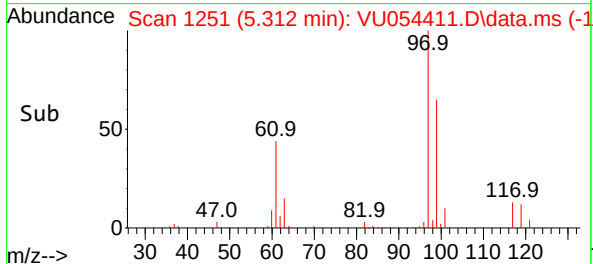
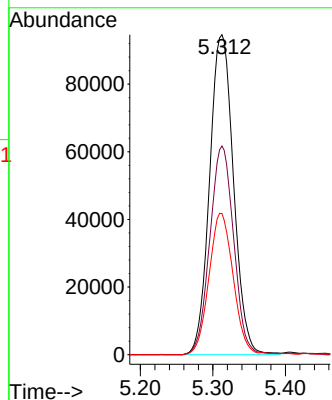
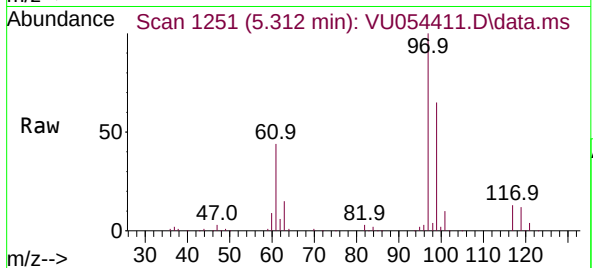




#29
1,1,1-Trichloroethane
Concen: 5.243 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

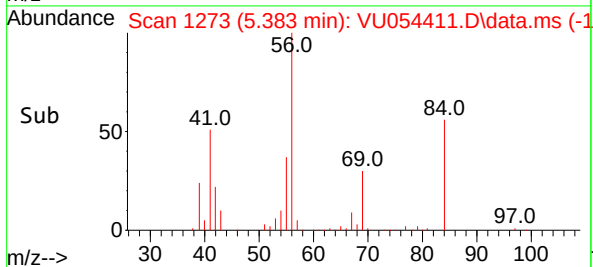
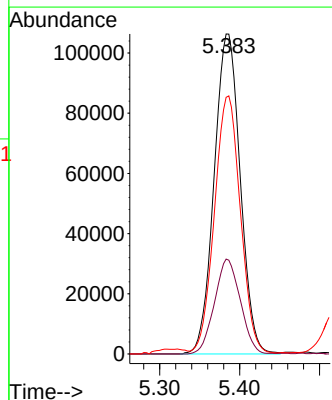
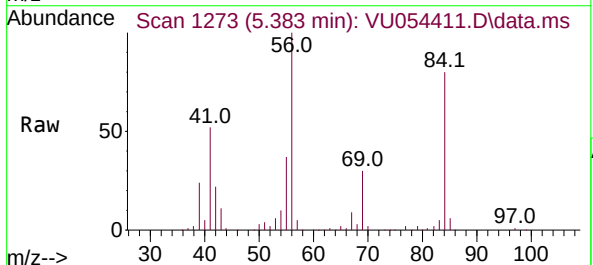
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

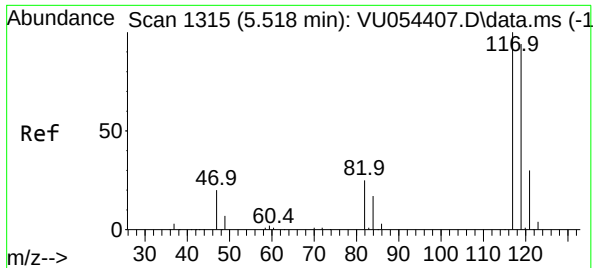
Tgt Ion:	97	Resp:	217134
Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.8	76.2
61	44.8	36.1	54.1



#30
Cyclohexane
Concen: 5.343 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion:	56	Resp:	240996
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.9	35.9
84	79.4	63.0	94.6

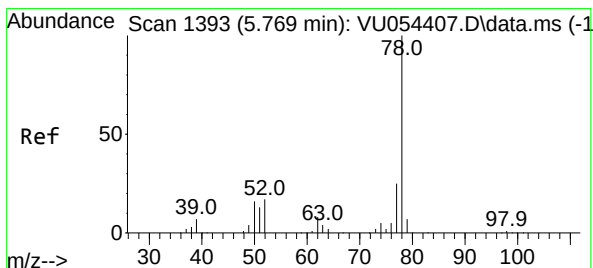
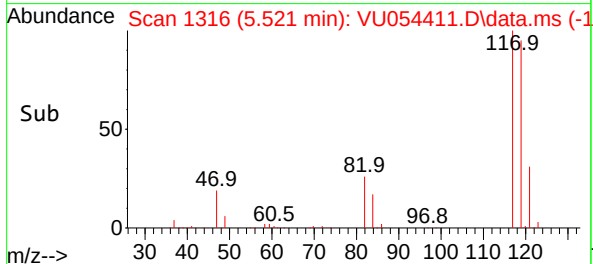
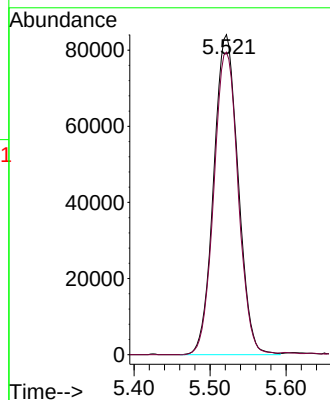
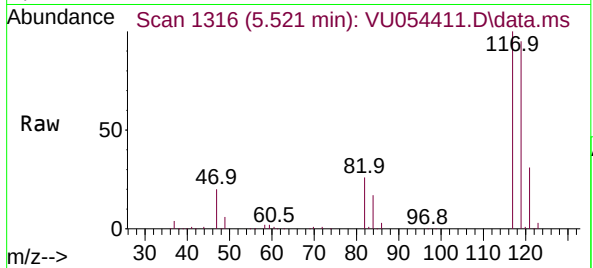




#31
Carbon tetrachloride
Concen: 5.265 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

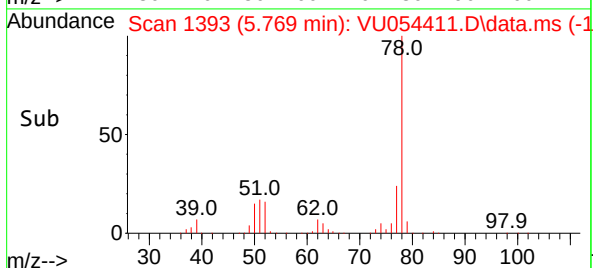
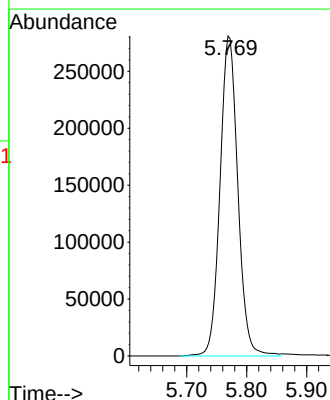
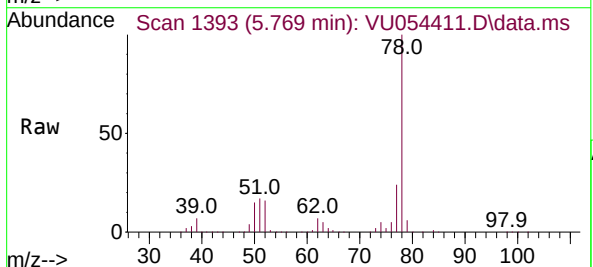
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

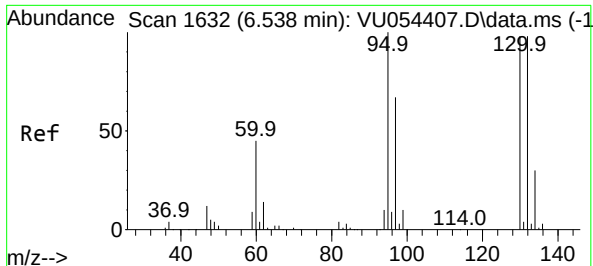
Tgt Ion:117 Resp: 187871
Ion Ratio Lower Upper
117 100
119 94.1 76.8 115.2



#33
Benzene
Concen: 5.267 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 78 Resp: 578026

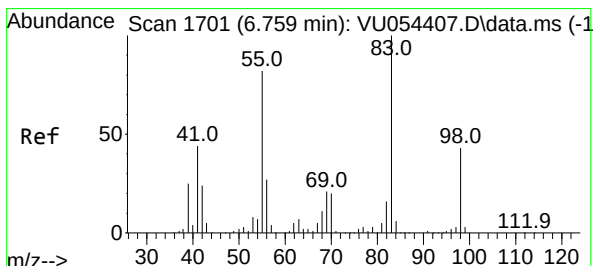
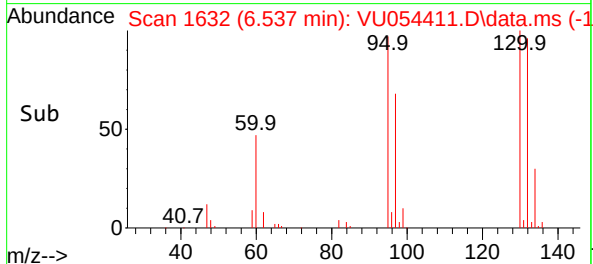
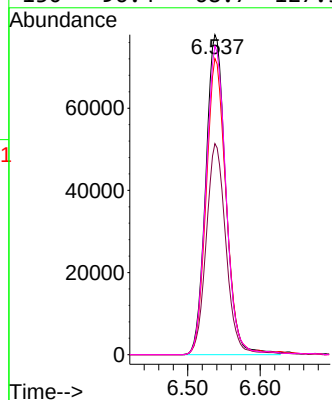
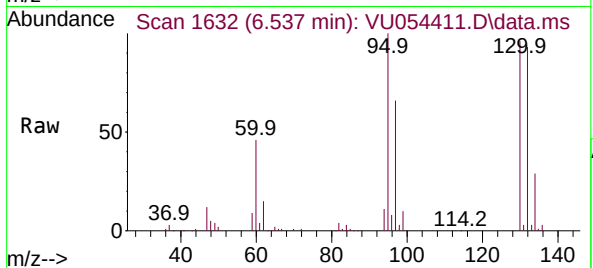




#34
Trichloroethene
Concen: 5.141 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

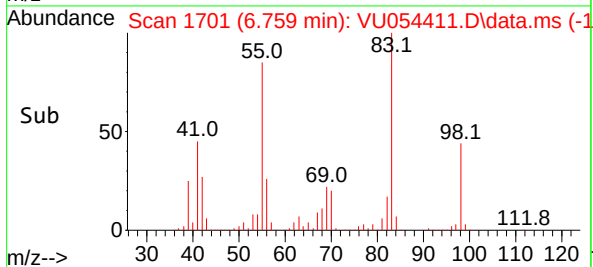
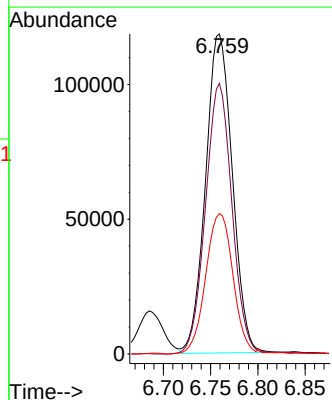
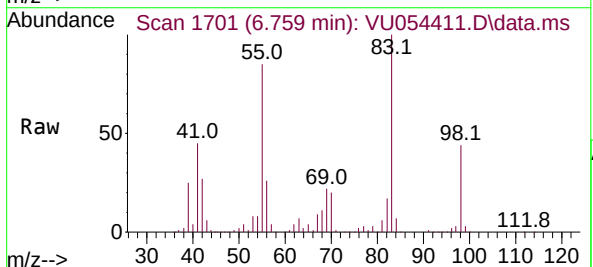
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

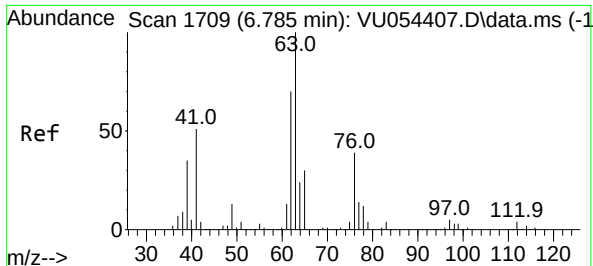
Tgt Ion: 95 Resp: 149219
Ion Ratio Lower Upper
95 100
97 65.9 46.8 87.0
132 92.5 68.4 127.0
130 96.4 68.7 127.5



#35
Methylcyclohexane
Concen: 5.322 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 83 Resp: 233450
Ion Ratio Lower Upper
83 100
55 83.9 67.1 100.7
98 45.1 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.372 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

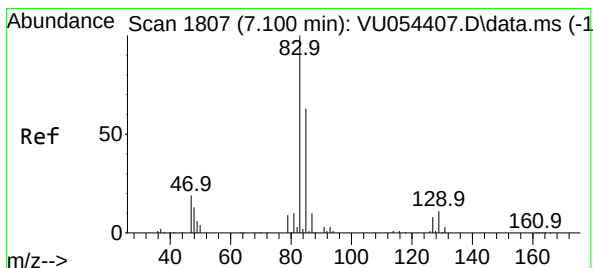
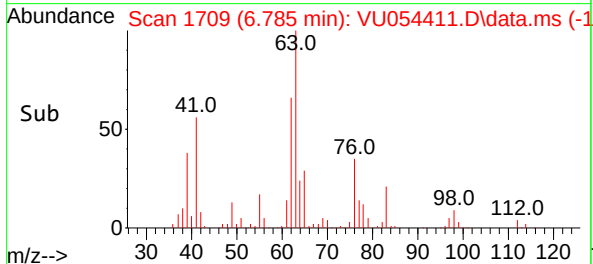
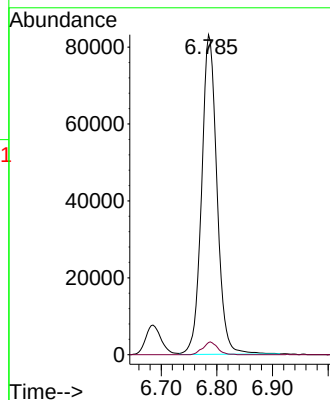
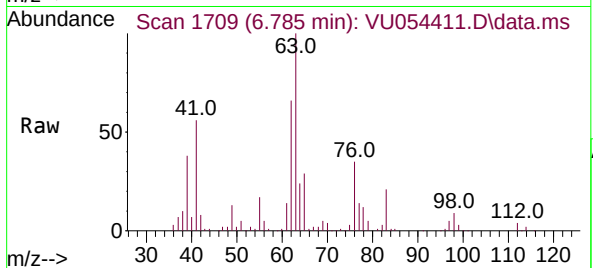
VSTD005173

Tgt Ion: 63 Resp: 159408

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 5.239 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

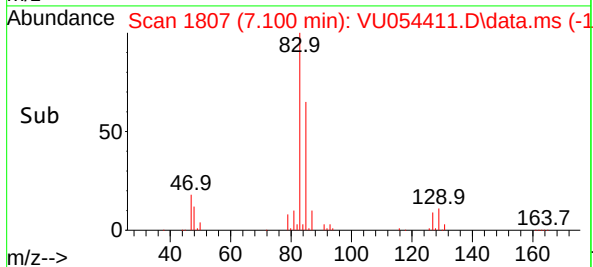
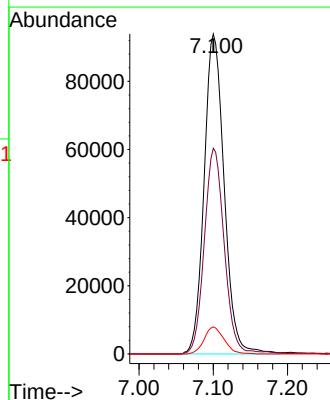
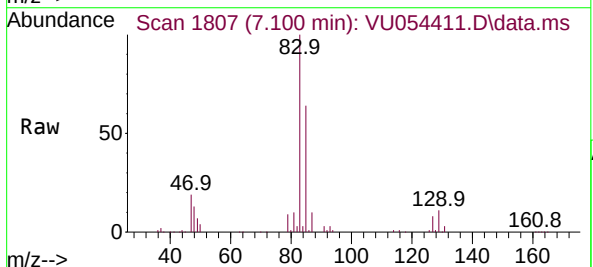
Tgt Ion: 83 Resp: 175994

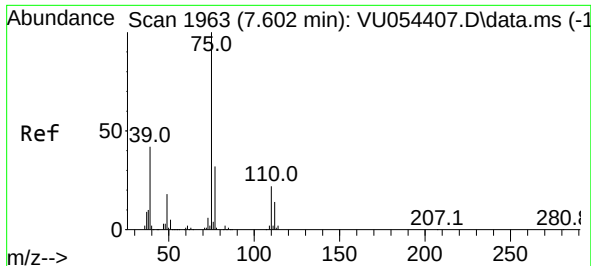
Ion Ratio Lower Upper

83 100

85 64.3 44.1 81.9

127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.415 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

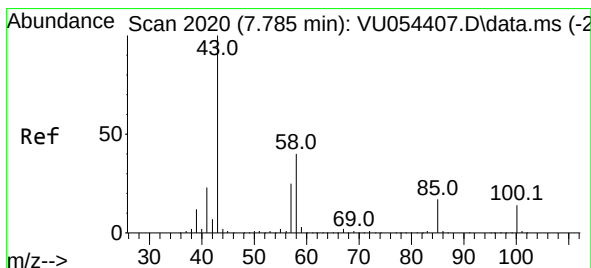
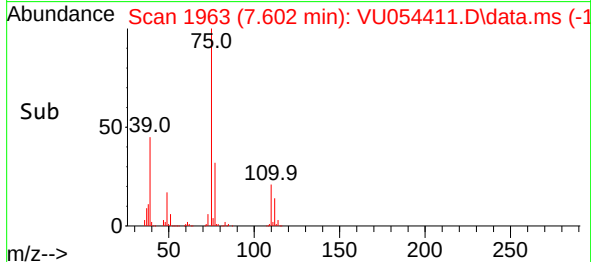
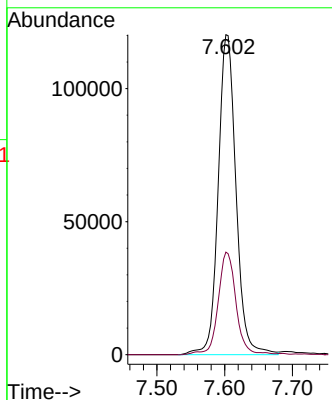
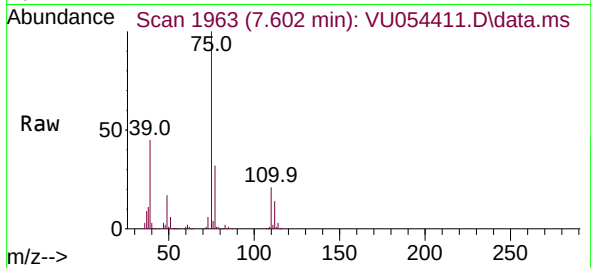
VSTD005173

Tgt Ion: 75 Resp: 219393

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.204 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

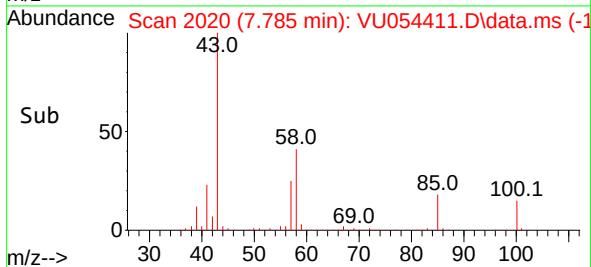
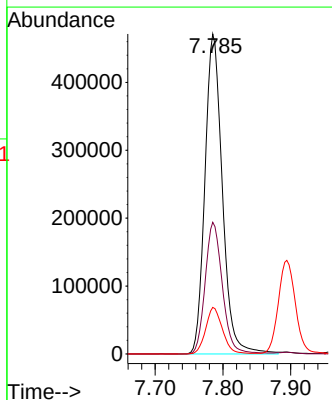
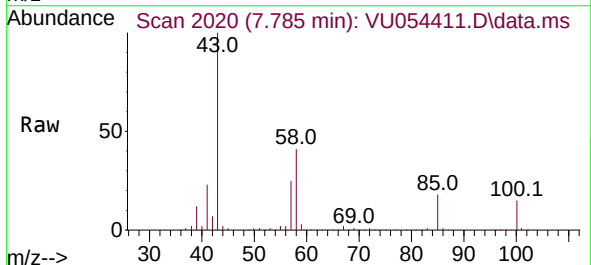
Tgt Ion: 43 Resp: 842567

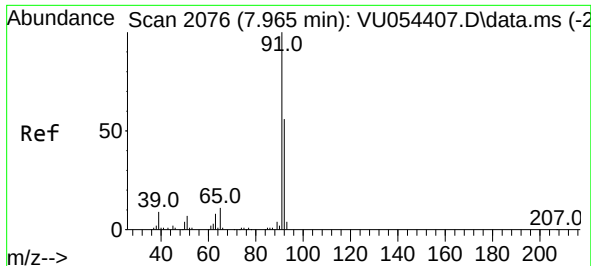
Ion Ratio Lower Upper

43 100

58 40.8 32.4 48.6

100 14.1 11.4 17.2





#42

Toluene

Concen: 5.388 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

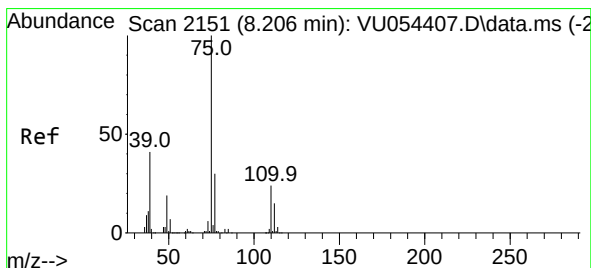
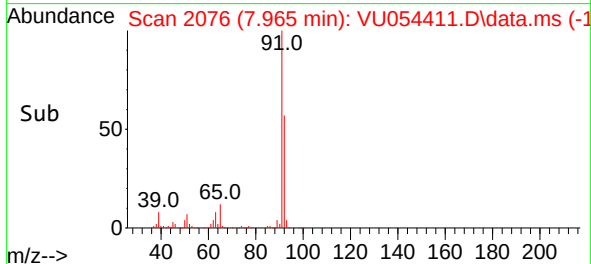
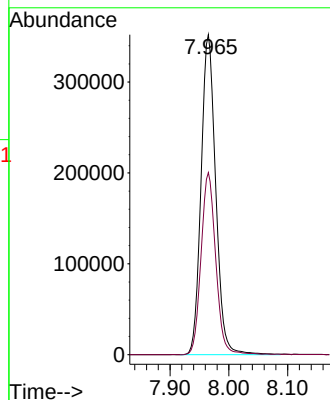
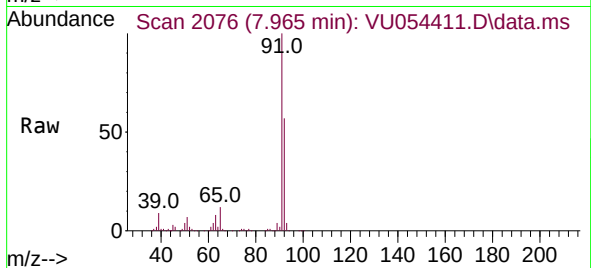
VSTD005173

Tgt Ion: 91 Resp: 609024

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.328 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054411.D

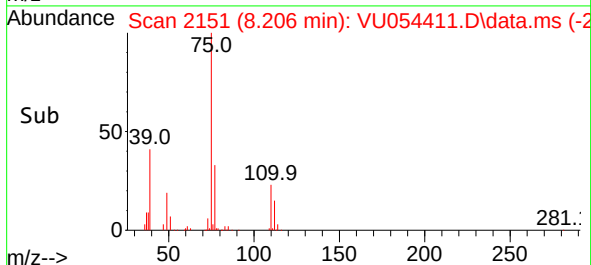
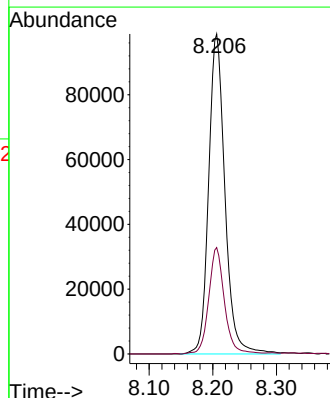
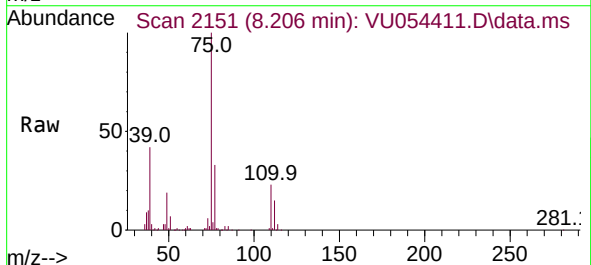
Acq: 07 Jun 2023 14:30

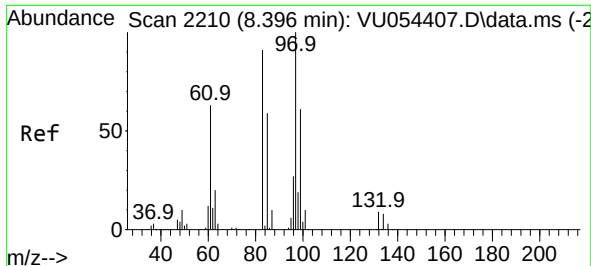
Tgt Ion: 75 Resp: 175171

Ion Ratio Lower Upper

75 100

77 33.2 21.3 39.6

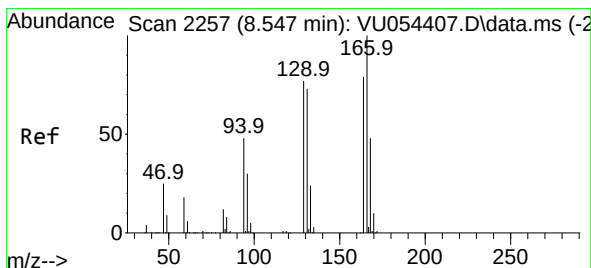
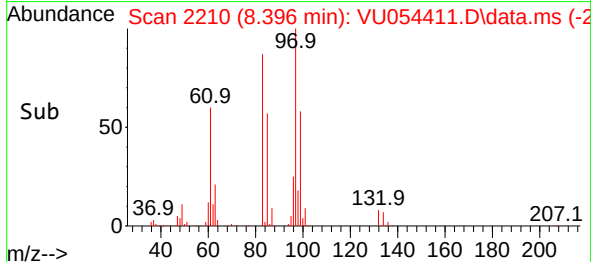
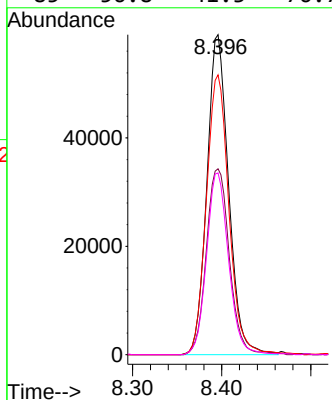
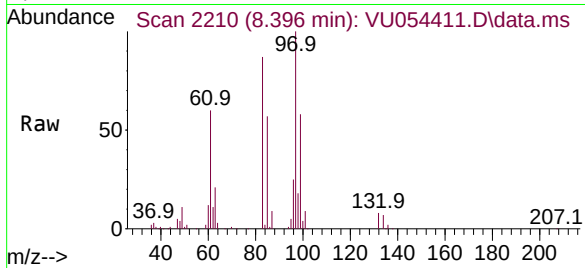




#45
1,1,2-Trichloroethane
Concen: 5.293 ug/L
RT: 8.396 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

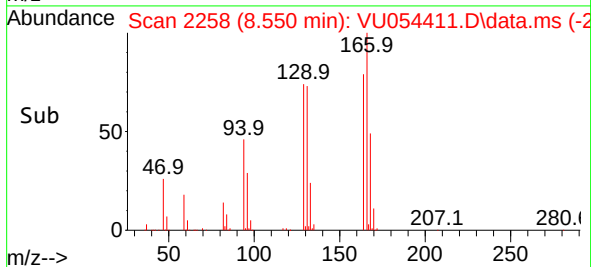
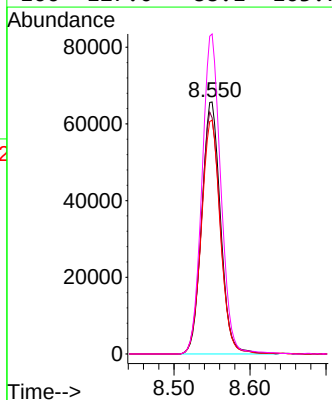
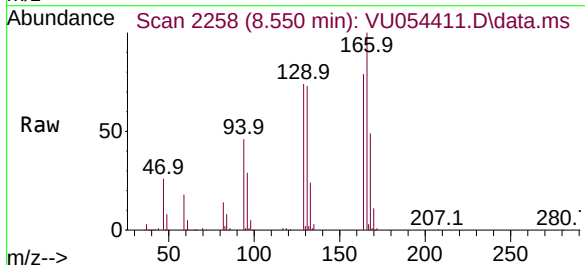
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

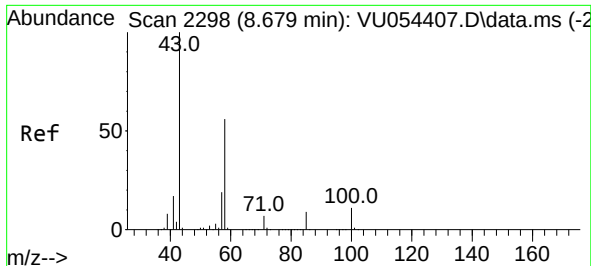
Tgt Ion:	97	Resp:	99932
Ion	Ratio	Lower	Upper
97	100		
99	58.1	43.0	80.0
83	87.4	63.8	118.6
85	56.8	41.3	76.7



#47
Tetrachloroethene
Concen: 5.063 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion:	164	Resp:	112469
Ion	Ratio	Lower	Upper
164	100		
129	93.7	67.7	125.7
131	92.8	64.6	120.0
166	127.0	88.1	163.7



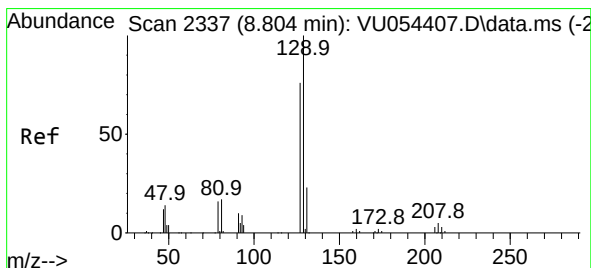
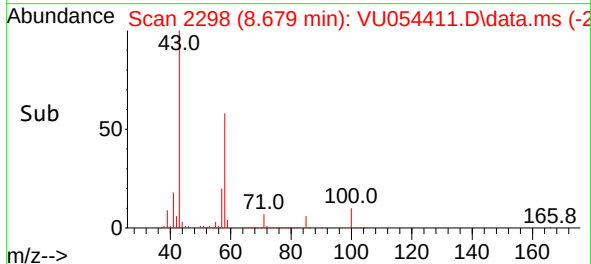
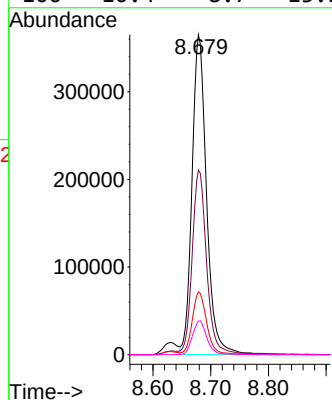
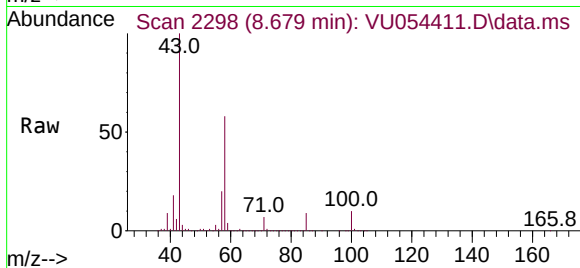


#48
2-Hexanone
Concen: 53.888 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

Tgt Ion: 43 Resp: 635874

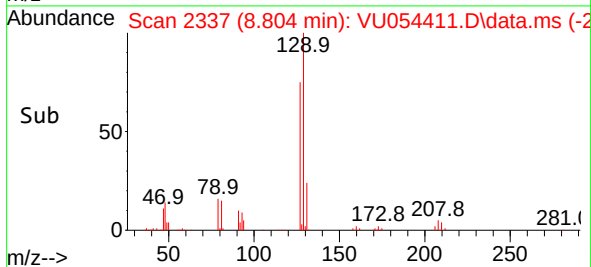
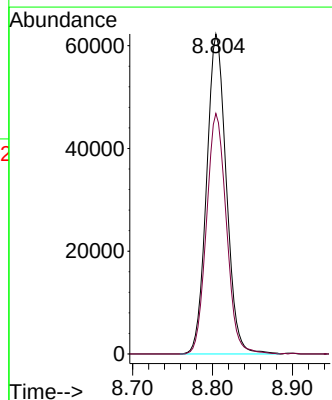
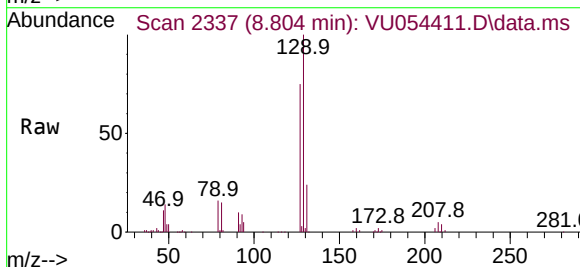
Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.2	67.8
57	19.5	15.8	23.6
100	10.4	8.7	13.1

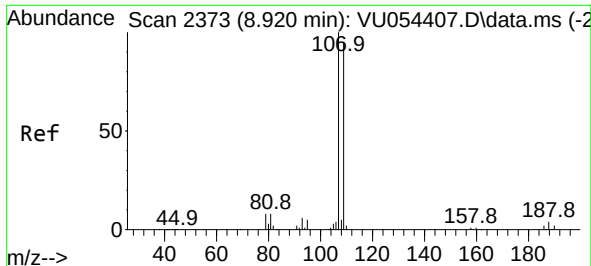


#49
Dibromochloromethane
Concen: 5.377 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 129 Resp: 106590

Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.390 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005173

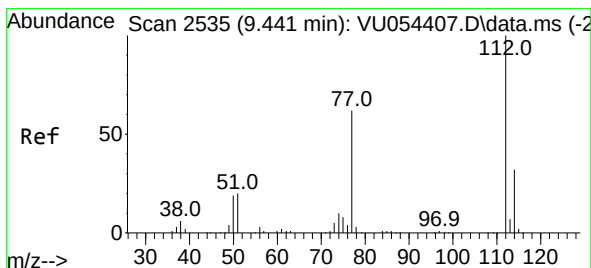
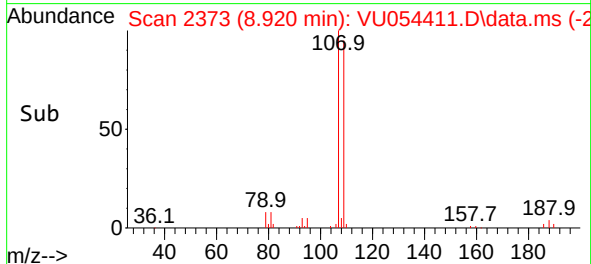
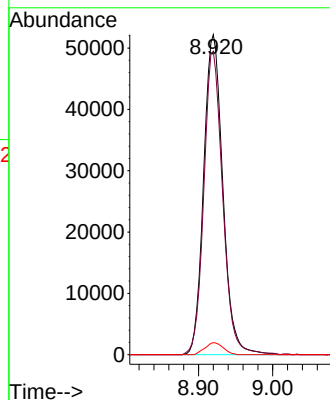
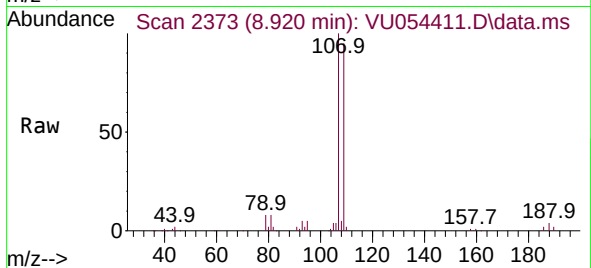
Tgt Ion:107 Resp: 93420

Ion Ratio Lower Upper

107 100

109 94.8 66.6 123.6

188 3.8 3.1 4.7



#51

Chlorobenzene

Concen: 5.271 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

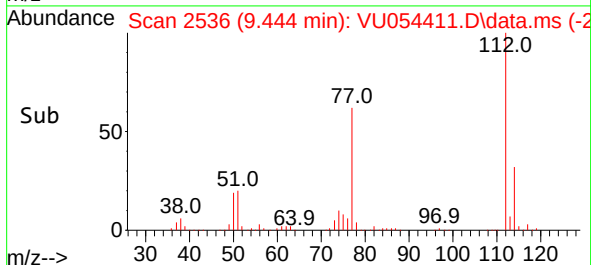
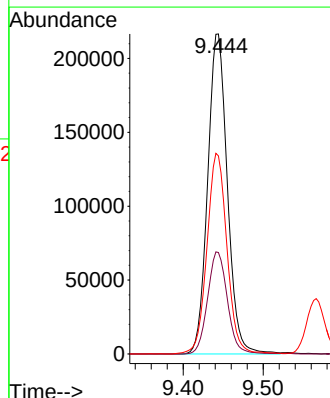
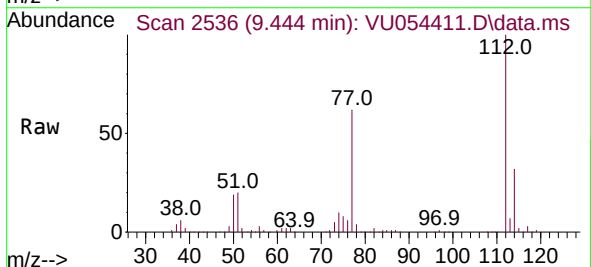
Tgt Ion:112 Resp: 371346

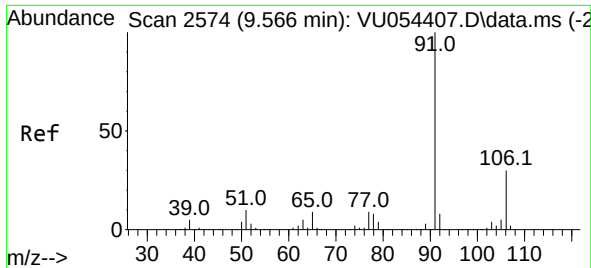
Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.1

77 61.9 49.8 74.8

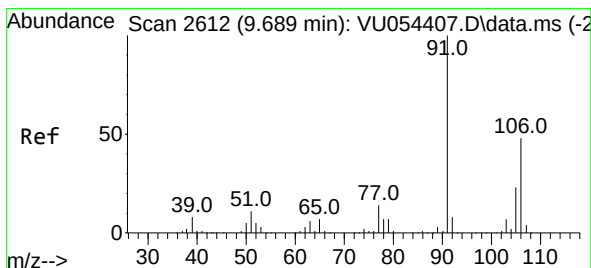
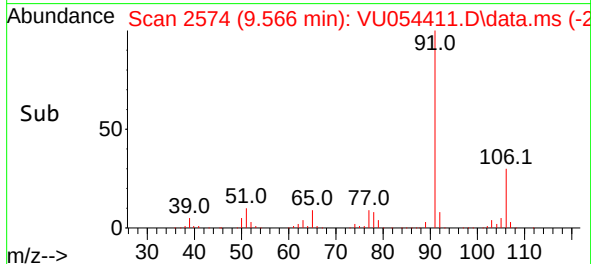
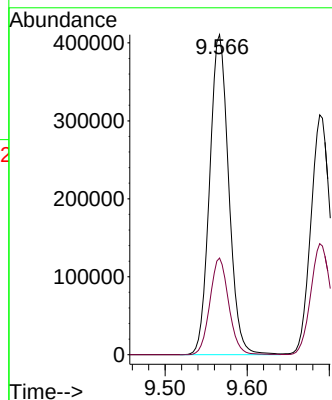
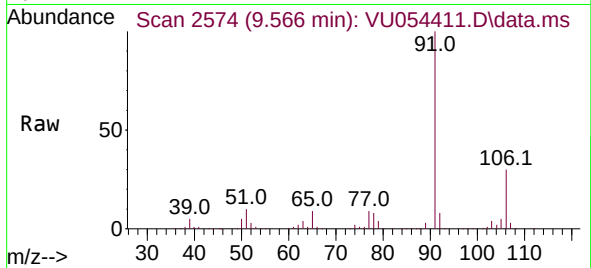




#52
Ethylbenzene
Concen: 5.380 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

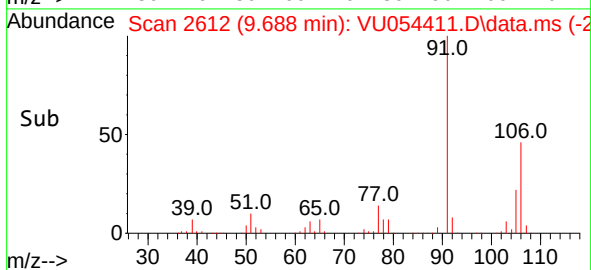
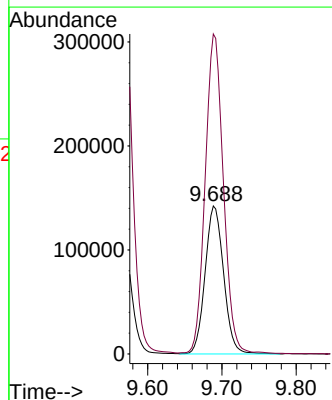
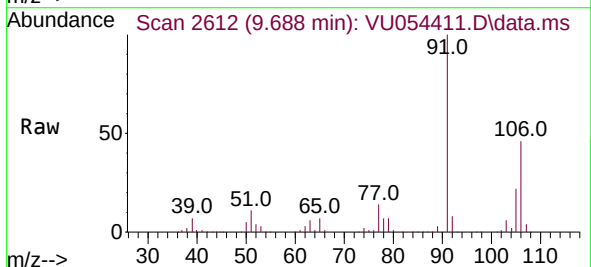
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

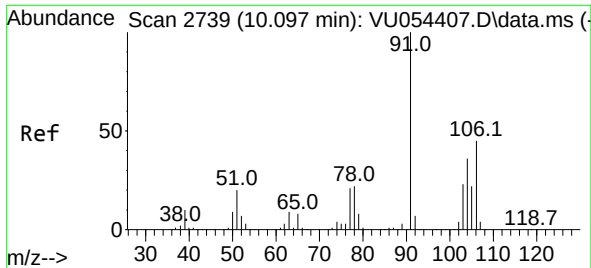
Tgt Ion: 91 Resp: 664132
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.434 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 106 Resp: 246407
Ion Ratio Lower Upper
106 100
91 216.1 147.0 273.0

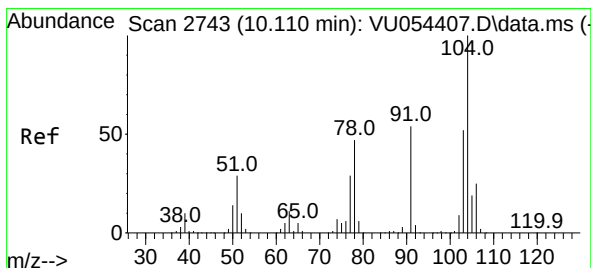
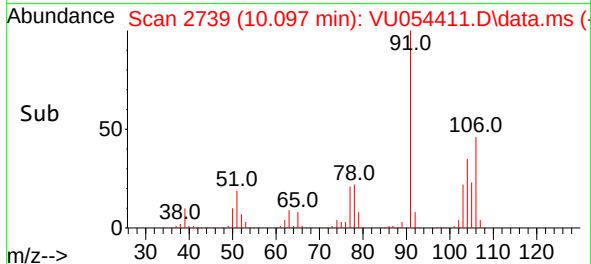
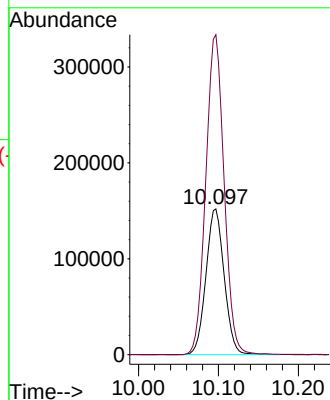
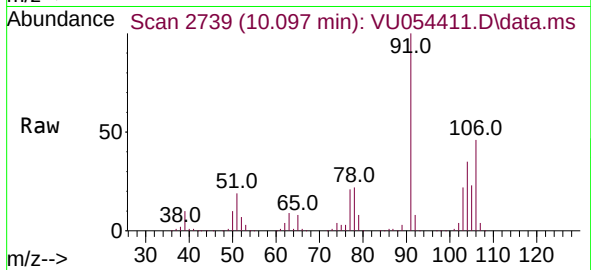




#54
o-Xylene
Concen: 5.506 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

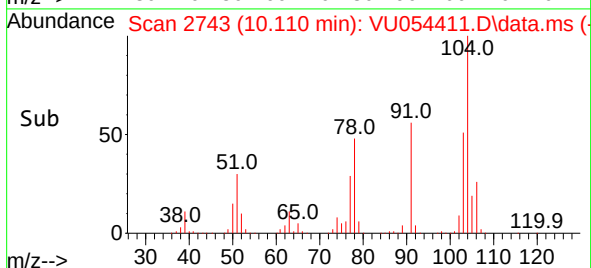
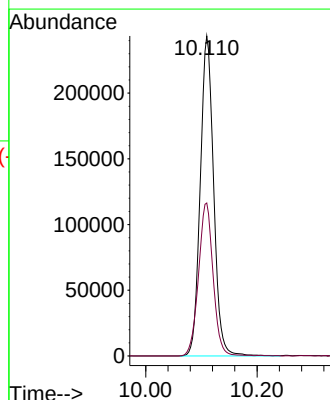
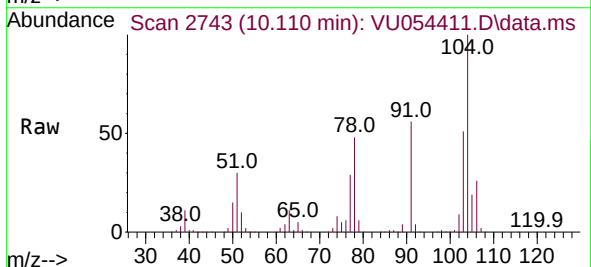
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

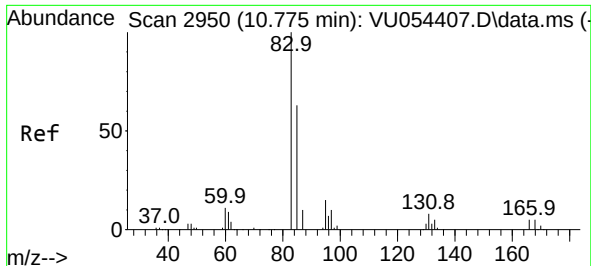
Tgt Ion:106 Resp: 241431
Ion Ratio Lower Upper
106 100
91 219.5 154.5 286.9



#55
Styrene
Concen: 5.527 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion:104 Resp: 406769
Ion Ratio Lower Upper
104 100
78 47.8 33.0 61.4

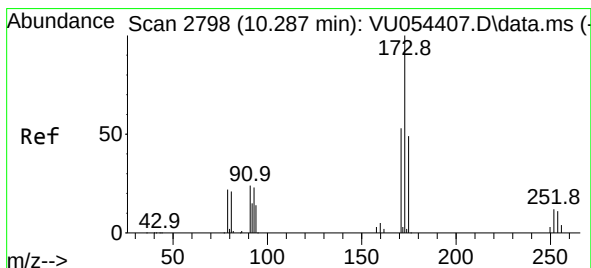
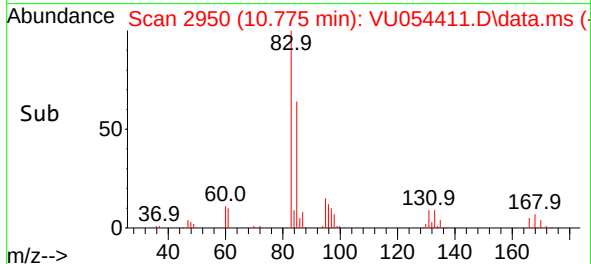
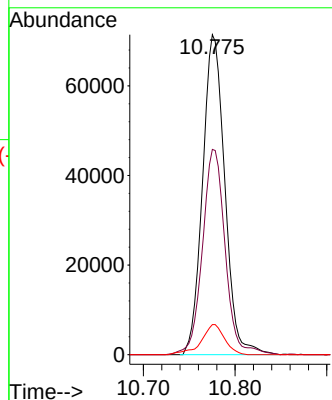
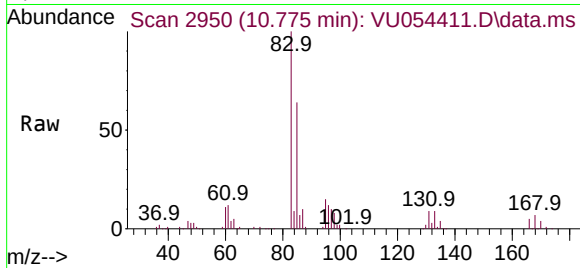




#57
1,1,2,2-Tetrachloroethane
Concen: 5.019 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

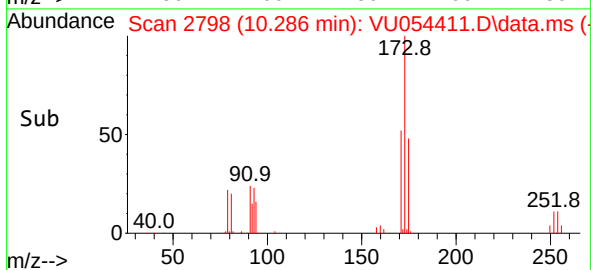
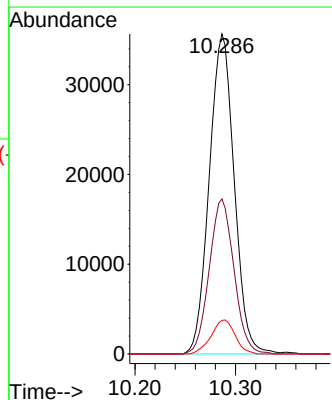
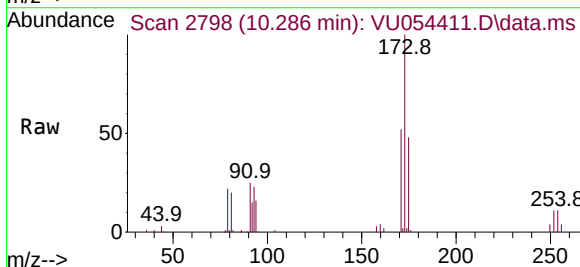
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

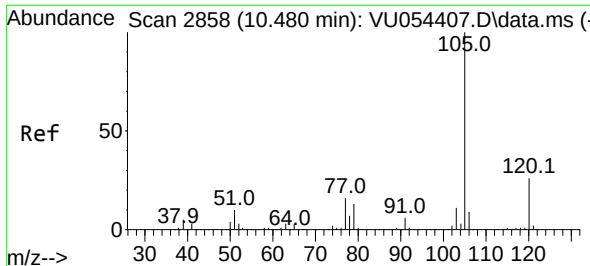
Tgt Ion: 83 Resp: 120355
Ion Ratio Lower Upper
83 100
85 64.2 44.2 82.2
131 9.4 7.0 10.6



#59
Bromoform
Concen: 5.258 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion:173 Resp: 61482
Ion Ratio Lower Upper
173 100
175 47.9 39.4 59.0
254 10.2 8.6 12.8

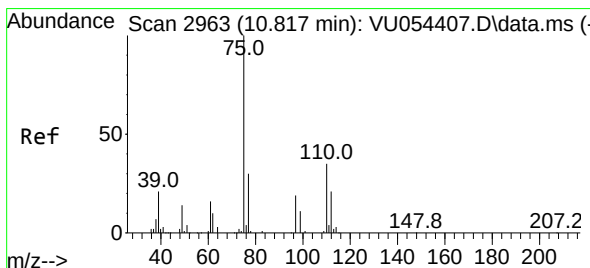
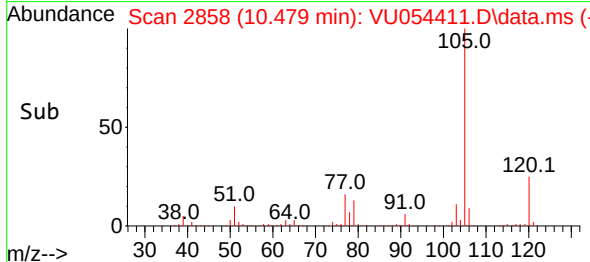
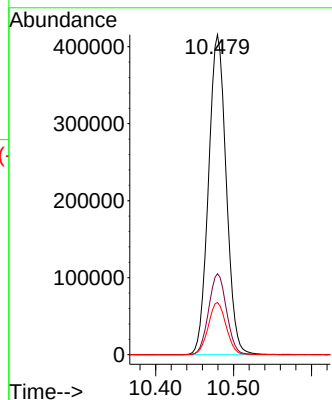
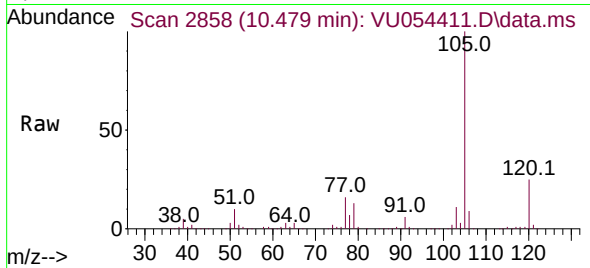




#60
Isopropylbenzene
Concen: 5.502 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

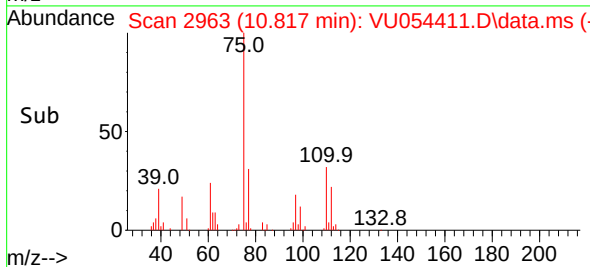
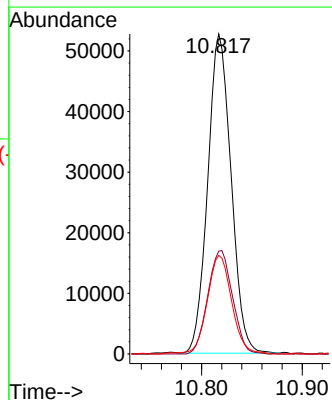
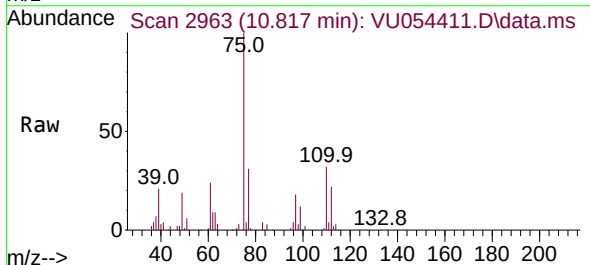
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

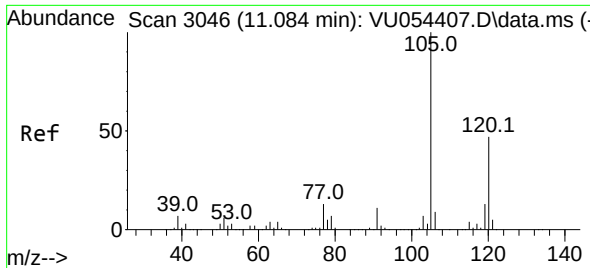
Tgt Ion:105 Resp: 655523
Ion Ratio Lower Upper
105 100
120 25.6 20.9 31.3
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.155 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion: 75 Resp: 84853
Ion Ratio Lower Upper
75 100
110 34.2 28.0 42.0
77 32.4 25.4 38.2

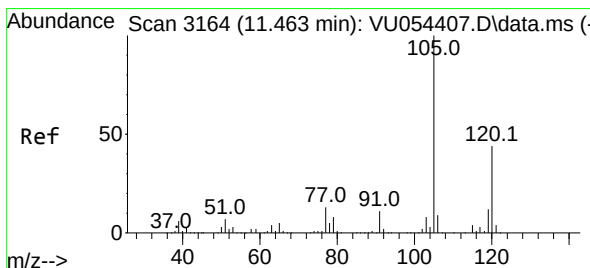
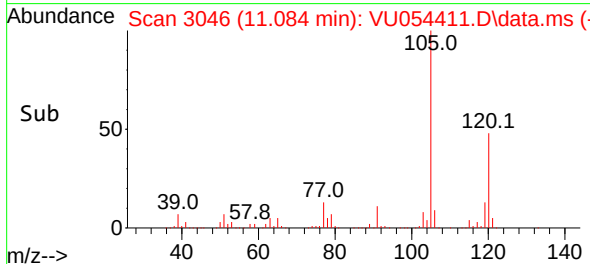
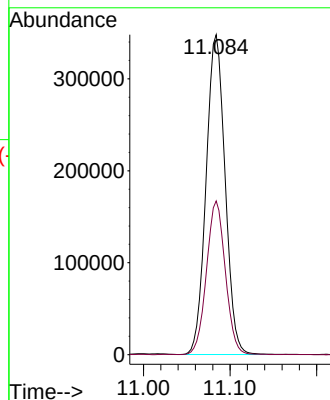
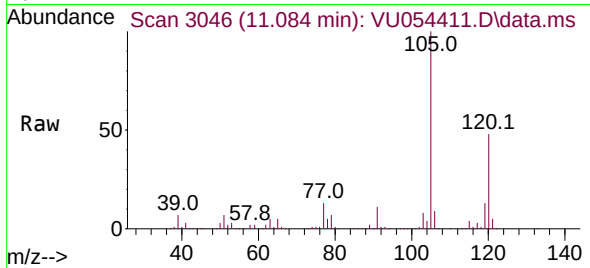




#62
1,3,5-Trimethylbenzene
Concen: 5.453 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

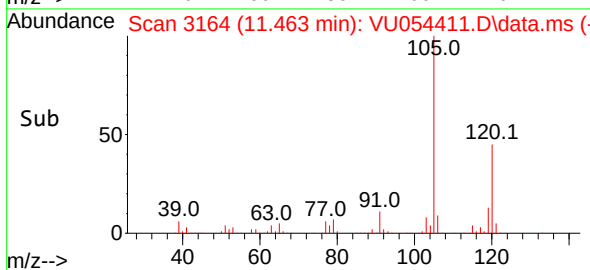
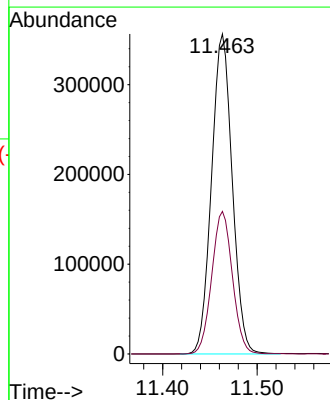
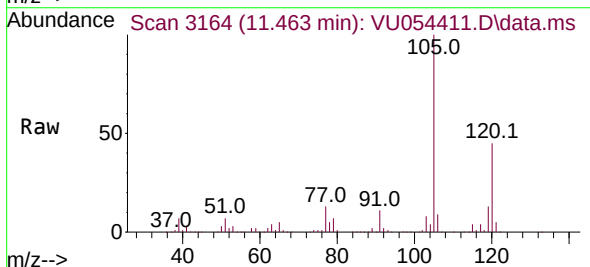
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

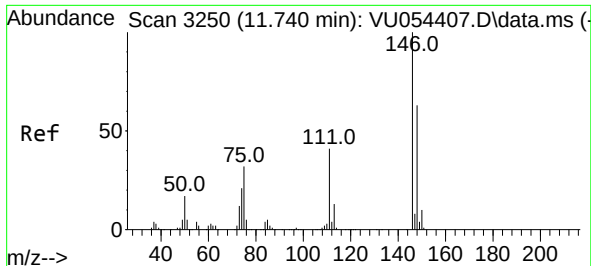
Tgt Ion:105 Resp: 530073
Ion Ratio Lower Upper
105 100
120 47.6 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.494 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion:105 Resp: 542428
Ion Ratio Lower Upper
105 100
120 44.5 35.4 53.0

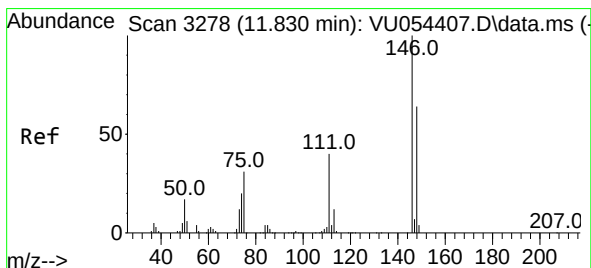
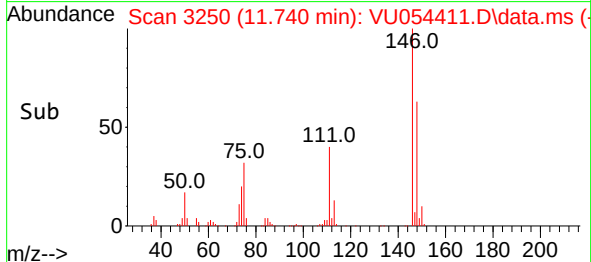
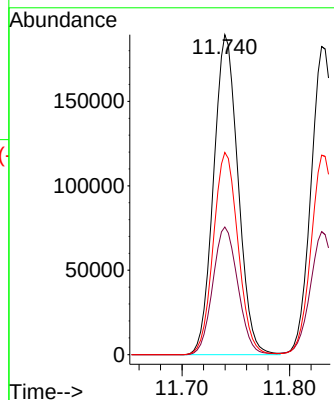
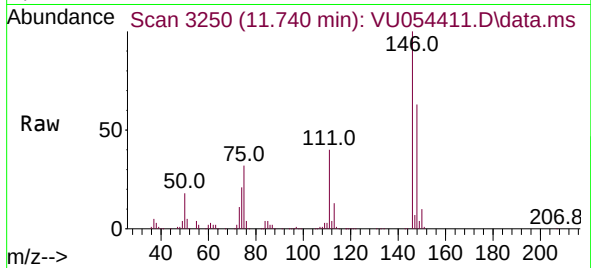




#64
1,3-Dichlorobenzene
Concen: 5.393 ug/L
RT: 11.740 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

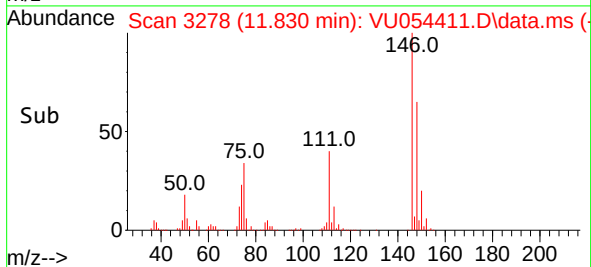
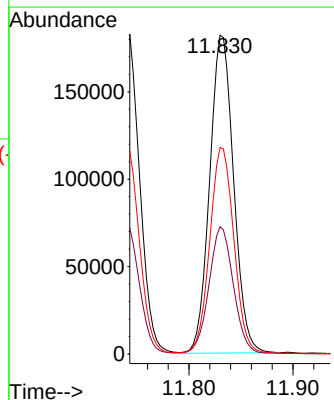
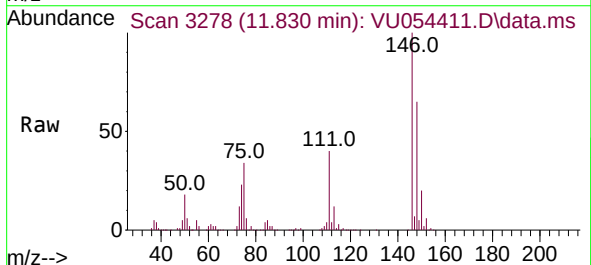
Instrument :
MSVOA_U
ClientSampleId :
VSTD005173

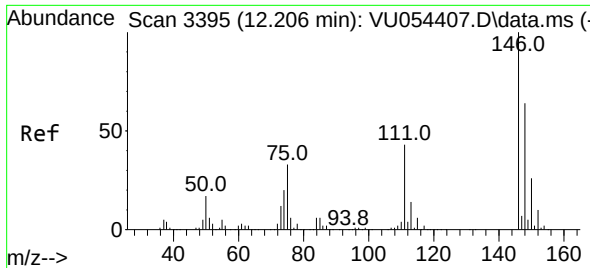
Tgt Ion:146 Resp: 300338
Ion Ratio Lower Upper
146 100
111 39.9 28.9 53.7
148 63.2 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.207 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU054411.D
Acq: 07 Jun 2023 14:30

Tgt Ion:146 Resp: 291019
Ion Ratio Lower Upper
146 100
111 39.9 28.0 52.0
148 64.8 44.7 83.1

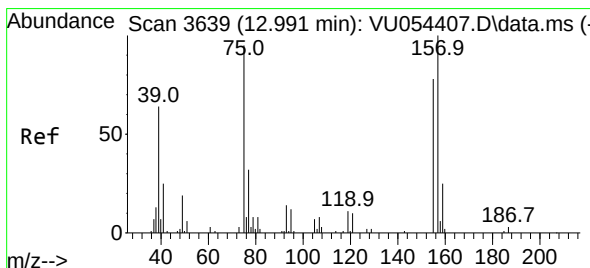
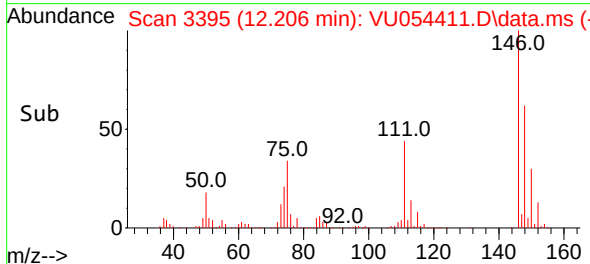
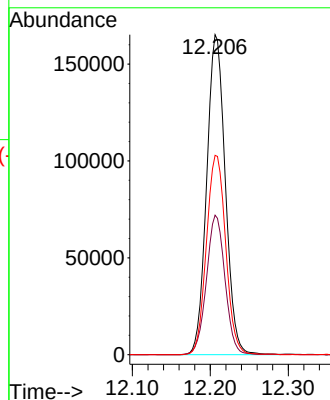
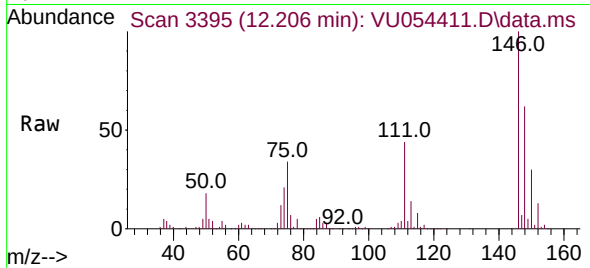




#67
 1,2-Dichlorobenzene
 Concen: 5.348 ug/L
 RT: 12.206 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

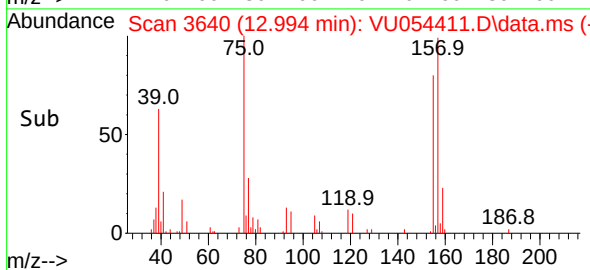
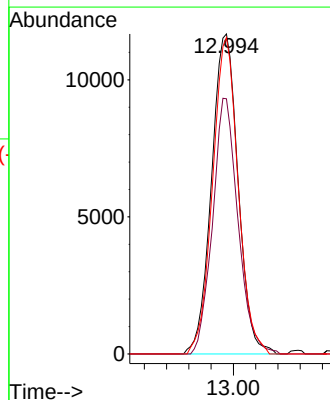
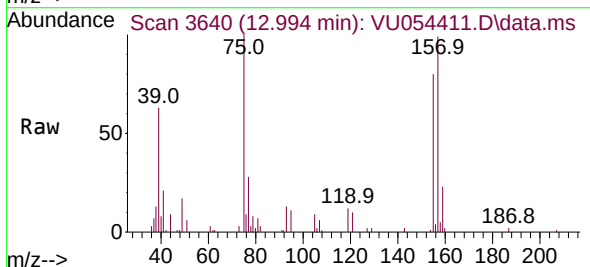
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005173

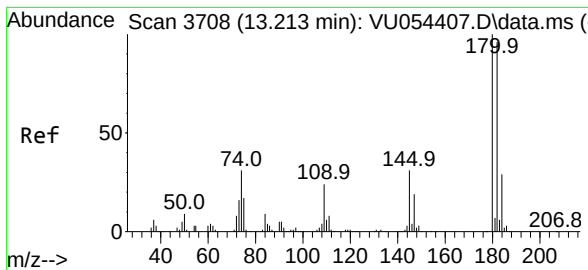
Tgt Ion:146 Resp: 273948
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.5 51.7
 148 62.3 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.342 ug/L
 RT: 12.994 min Scan# 3640
 Delta R.T. 0.003 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

Tgt Ion: 75 Resp: 19321
 Ion Ratio Lower Upper
 75 100
 155 79.7 65.7 98.5
 157 98.9 84.2 126.2

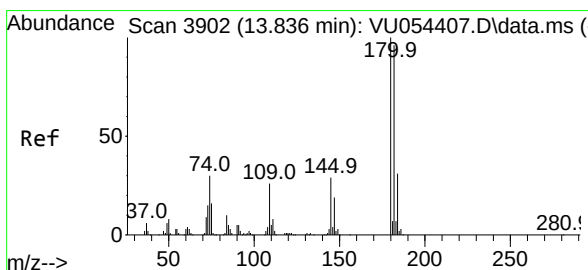
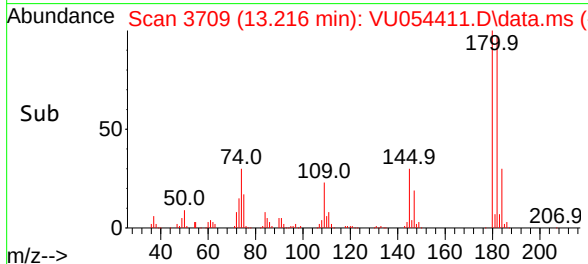
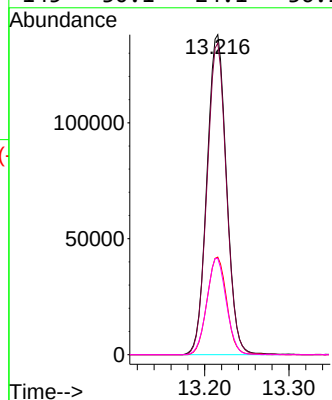
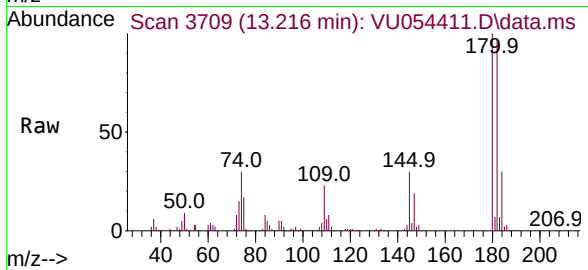




#69
 1,3,5-Trichlorobenzene
 Concen: 5.304 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

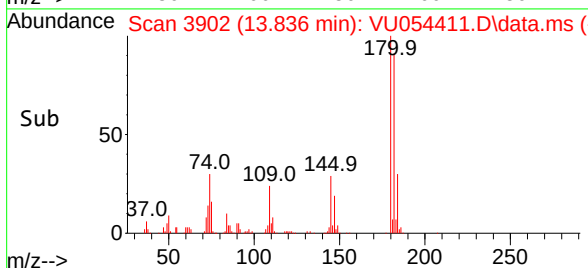
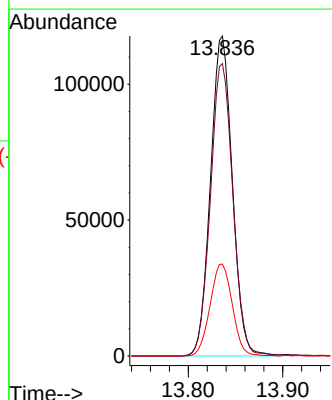
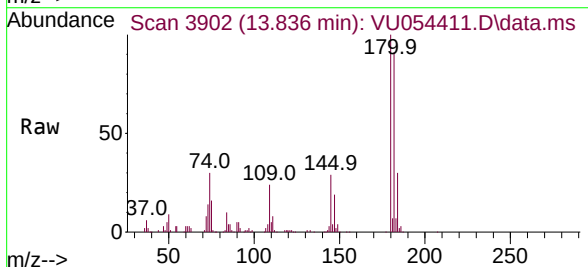
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005173

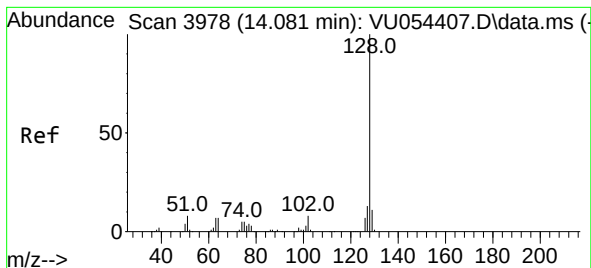
Tgt Ion:180 Resp: 222859
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.0 112.6
 184 30.6 24.1 36.1
 145 30.1 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.442 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU054411.D
 Acq: 07 Jun 2023 14:30

Tgt Ion:180 Resp: 189102
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.6 114.8
 145 29.2 24.0 36.0





#71

Naphthalene

Concen: 5.451 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005173

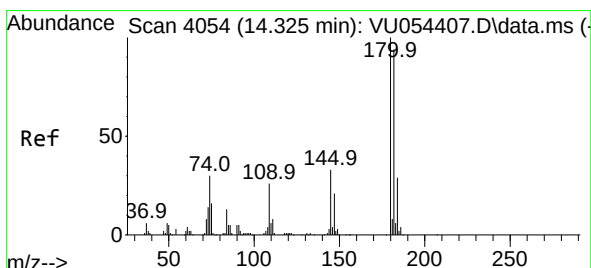
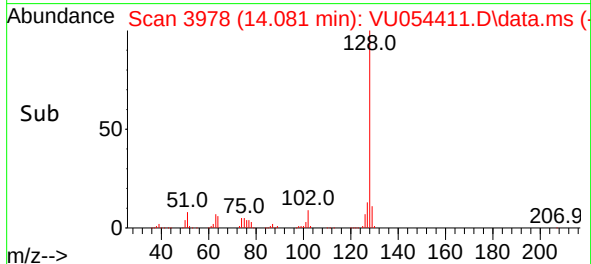
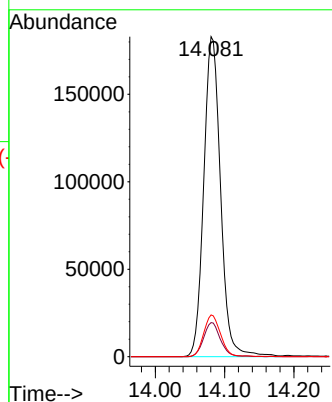
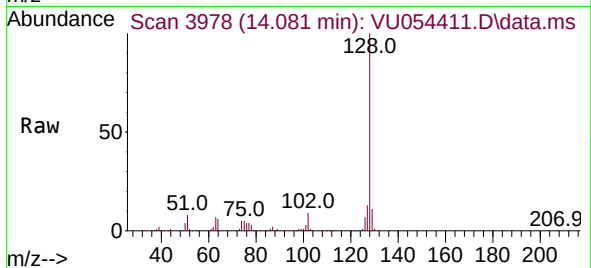
Tgt Ion:128 Resp: 307978

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 13.0 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.449 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054411.D

Acq: 07 Jun 2023 14:30

Tgt Ion:180 Resp: 162657

Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 32.1 26.0 39.0

