

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048628.D
 Acq On : 19 May 2022 12:41
 Operator : SY/MD
 Sample : N2849-09MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXXX3MS

Quant Time: May 20 04:40:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	224757	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	221279	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	137391	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45853	33.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.620%
7) Chloroethane-d5	1.912	69	39691	38.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.960%
11) 1,1-Dichloroethene-d2	2.572	63	124630	40.031	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.060%
21) 2-Butanone-d5	4.620	46	112556	85.919	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.920%
24) Chloroform-d	5.063	84	152518	43.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.680%
26) 1,2-Dichloroethane-d4	5.703	65	110187	44.898	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.800%
32) Benzene-d6	5.729	84	255939	41.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.120%
36) 1,2-Dichloropropane-d6	6.690	67	74074	40.972	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.940%
41) Toluene-d8	7.899	98	248098	42.830	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.660%
43) trans-1,3-Dichloroprop...	8.179	79	47727	41.284	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.560%
47) 2-Hexanone-d5	8.632	63	83886	84.607	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126671	42.342	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.680%
66) 1,2-Dichlorobenzene-d4	12.192	152	117415	41.805	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	104239	43.157	ug/L	97
3) Chloromethane	1.523	50	54742	36.732	ug/L	99
5) Vinyl chloride	1.604	62	64692	40.806	ug/L	99
6) Bromomethane	1.855	94	48515	42.390	ug/L	97
8) Chloroethane	1.932	64	39050	41.849	ug/L	98
9) Trichlorofluoromethane	2.141	101	142124	45.922	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	72189	45.743	ug/L	97
12) 1,1-Dichloroethene	2.581	96	66631	45.565	ug/L	97
13) Acetone	2.626	43	78853	74.089	ug/L	98
14) Carbon disulfide	2.797	76	179301	42.252	ug/L	98
15) Methyl Acetate	2.948	43	73903	40.686	ug/L	99
16) Methylene chloride	3.044	84	73381	43.103	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	70209	44.515	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	249208	45.541	ug/L	99
19) 1,1-Dichloroethane	3.871	63	131488	45.536	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	81454	45.795	ug/L	98
22) 2-Butanone	4.703	43	109961	81.370	ug/L	97
23) Bromochloromethane	4.977	128	44864	45.455	ug/L	92
25) Chloroform	5.089	83	174644	51.817	ug/L	99

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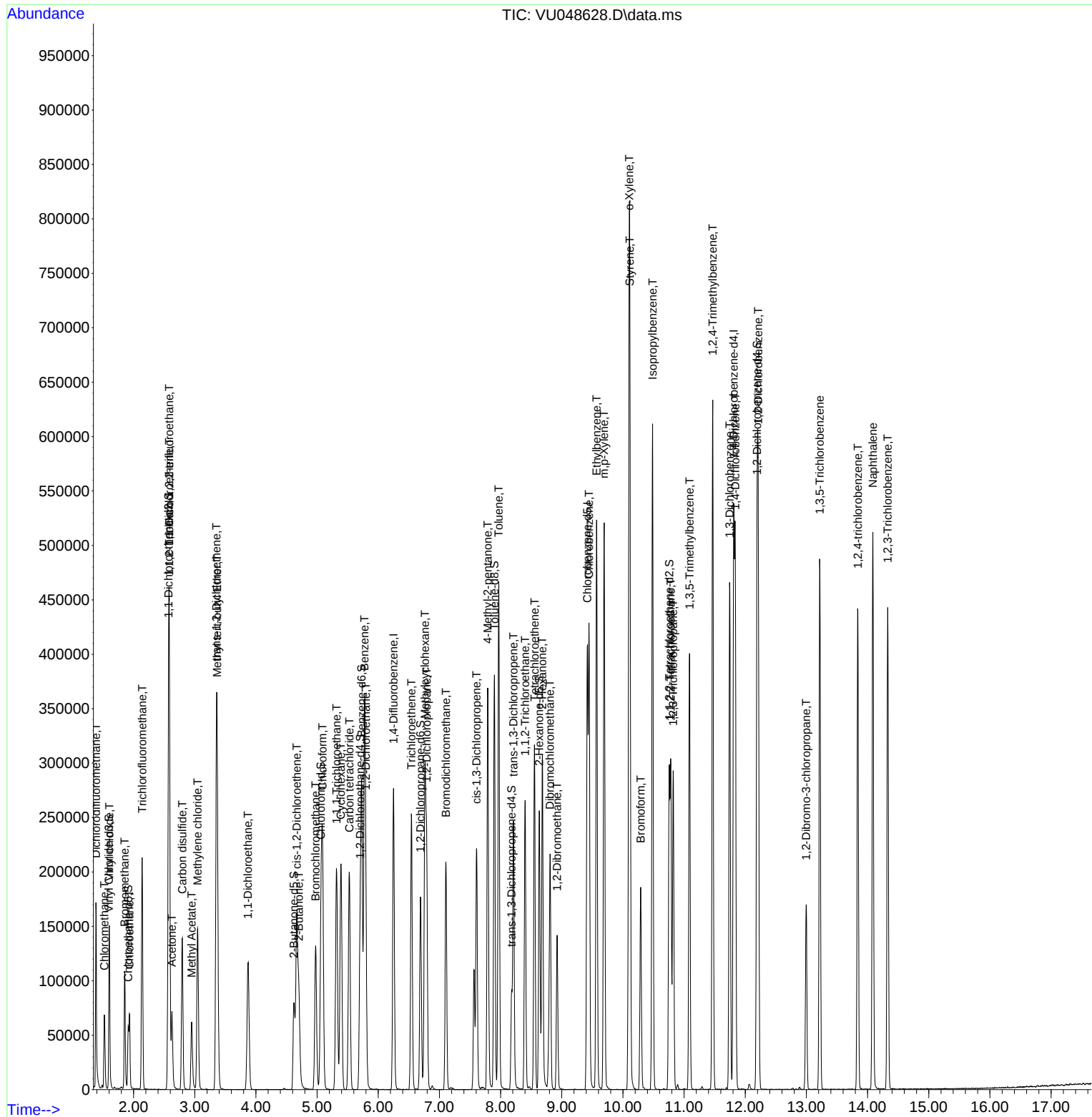
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	136252	47.125	ug/L	96
29) Cyclohexane	5.391	56	99610	43.827	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	157130	46.898	ug/L	98
31) Carbon tetrachloride	5.530	117	142861	46.787	ug/L	99
33) Benzene	5.774	78	289318	44.753	ug/L	100
34) Trichloroethene	6.542	95	85306	46.640	ug/L	96
35) Methylcyclohexane	6.764	83	119064	45.363	ug/L	99
37) 1,2-Dichloropropane	6.790	63	69668	43.098	ug/L	98
38) Bromodichloromethane	7.105	83	131966	50.458	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	128873	46.695	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	210413	85.297	ug/L	98
42) Toluene	7.970	91	328496	46.619	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	135533	46.566	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	79139	45.716	ug/L	97
46) Tetrachloroethene	8.555	164	71059	47.610	ug/L	100
48) 2-Hexanone	8.684	43	176431	83.475	ug/L	99
49) Dibromochloromethane	8.809	129	109720	49.299	ug/L	97
50) 1,2-Dibromoethane	8.925	107	92285	46.193	ug/L	96
51) Chlorobenzene	9.446	112	221404	45.052	ug/L	98
52) Ethylbenzene	9.571	91	362651	45.036	ug/L	99
53) m,p-Xylene	9.693	106	148224	45.804	ug/L	99
54) o-Xylene	10.102	106	144380	46.572	ug/L	97
55) Styrene	10.115	104	248241	46.054	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	126029	42.125	ug/L	98
59) Bromoform	10.292	173	86155	45.619	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	116687	42.824	ug/L	96
61) Isopropylbenzene	10.484	105	383925	45.374	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	217707	45.258	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	340842	45.566	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	194865	44.658	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	194836	43.029	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	192992	43.484	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	43367	41.164	ug/L	92
69) 1,3,5-Trichlorobenzene	13.217	180	153876	44.244	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	132874	42.242	ug/L	97
71) Naphthalene	14.086	128	409306	39.463	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	138035	43.707	ug/L	100

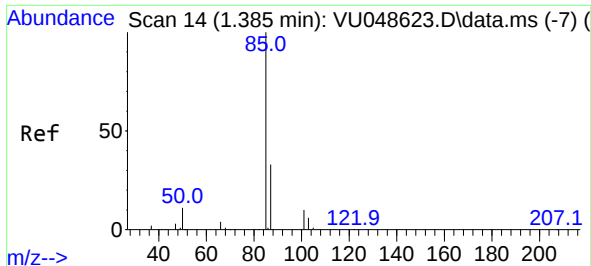
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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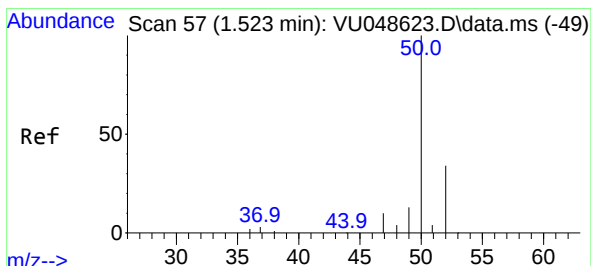
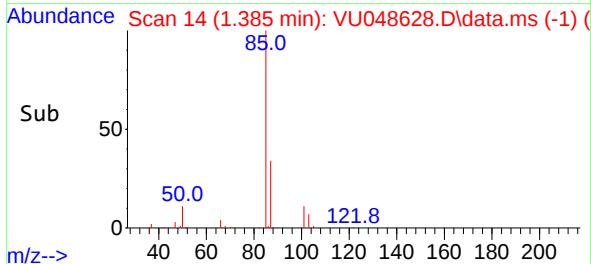
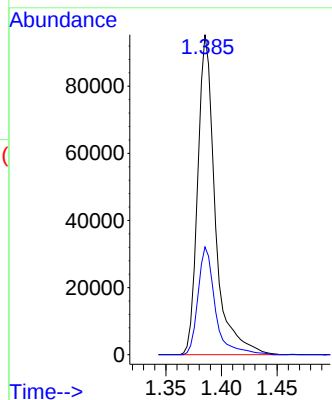
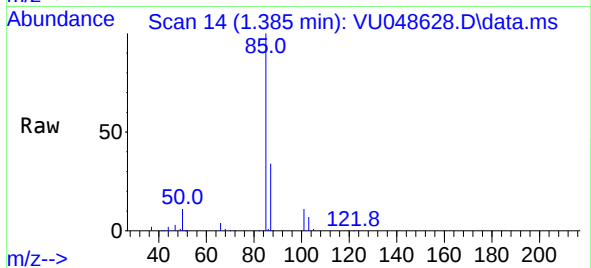




#2
Dichlorodifluoromethane
Concen: 43.157 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

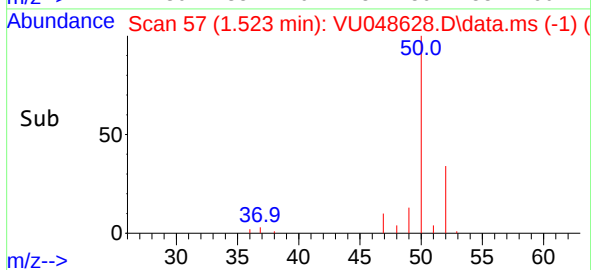
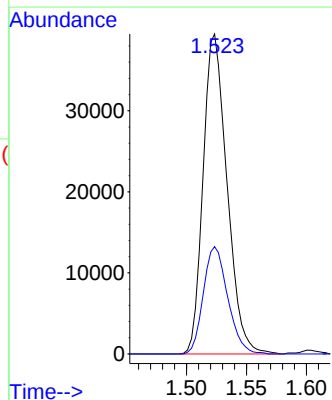
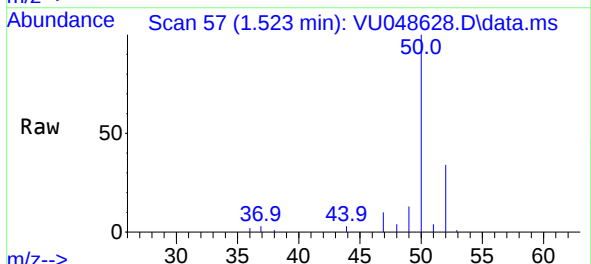
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

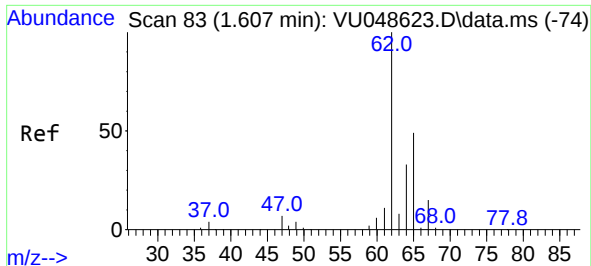
Tgt Ion: 85 Resp: 104239
Ion Ratio Lower Upper
85 100
87 33.3 25.4 38.2



#3
Chloromethane
Concen: 36.732 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 50 Resp: 54742
Ion Ratio Lower Upper
50 100
52 33.6 23.8 44.2

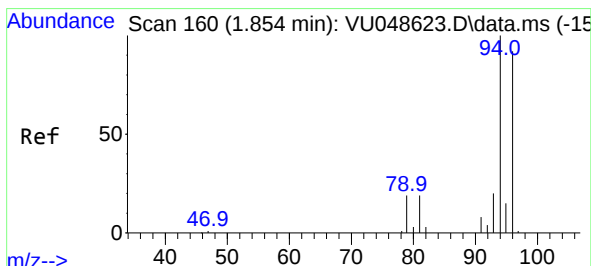
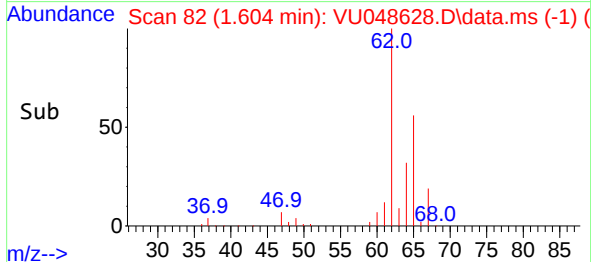
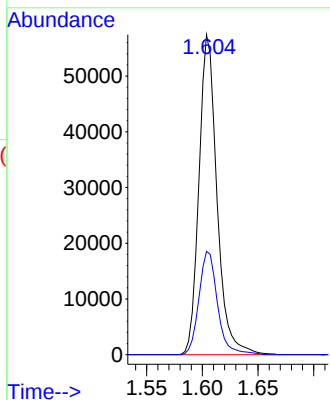
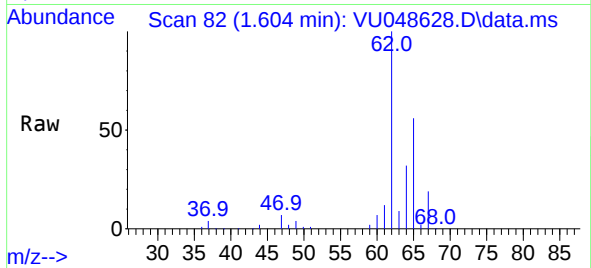




#5
 Vinyl chloride
 Concen: 40.806 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048628.D
 Acq: 19 May 2022 12:41

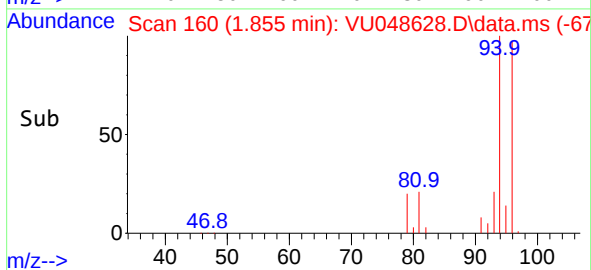
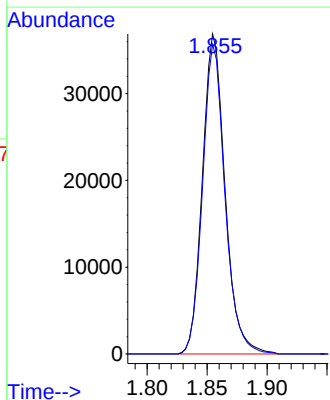
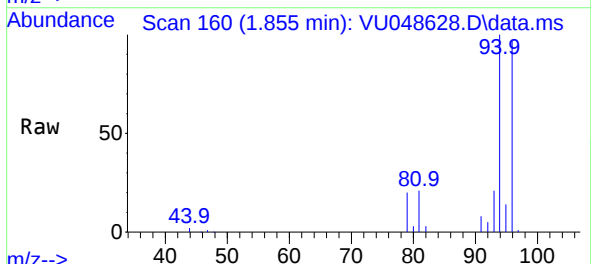
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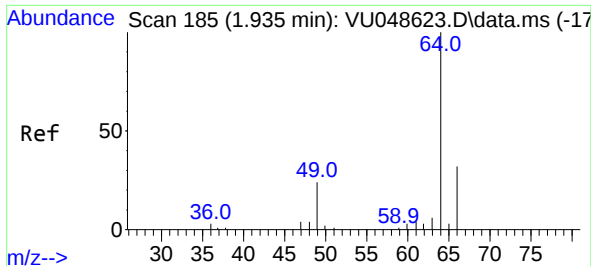
Tgt Ion: 62 Resp: 64692
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.9 42.5



#6
 Bromomethane
 Concen: 42.390 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU048628.D
 Acq: 19 May 2022 12:41

Tgt Ion: 94 Resp: 48515
 Ion Ratio Lower Upper
 94 100
 96 96.8 65.7 121.9

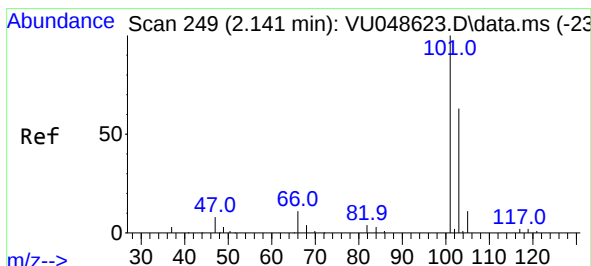
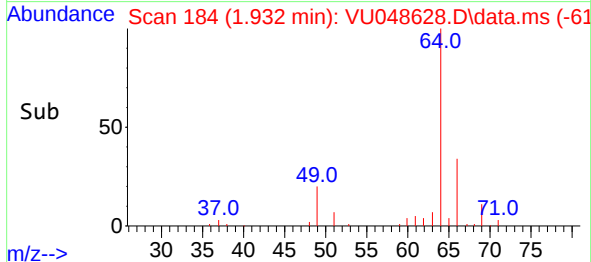
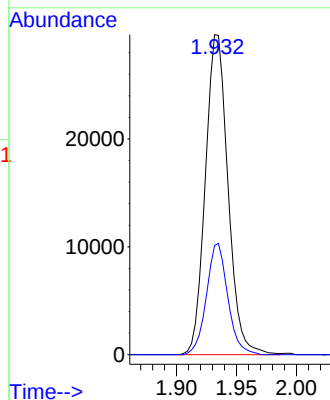
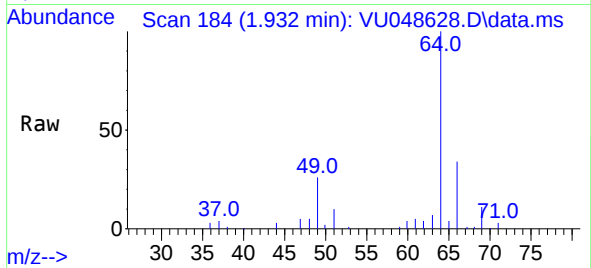




#8
Chloroethane
Concen: 41.849 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

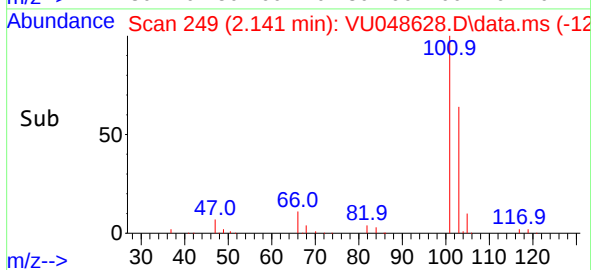
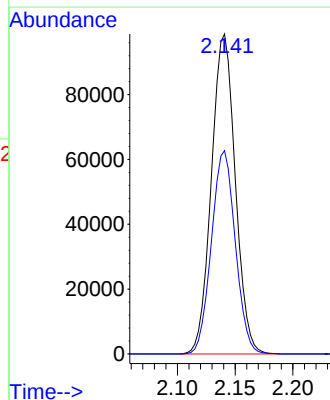
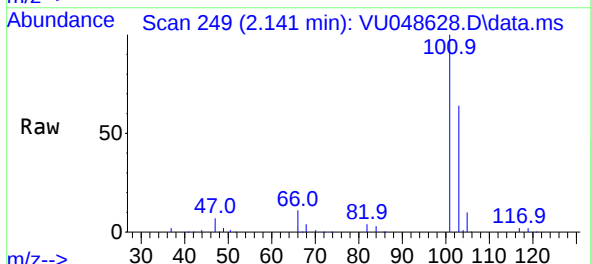
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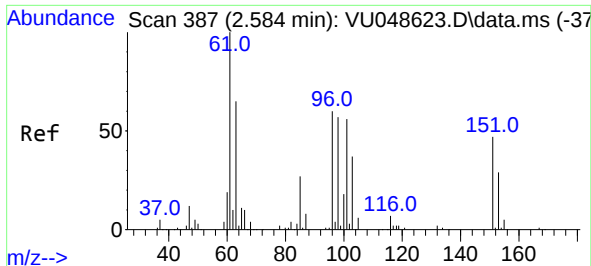
Tgt Ion: 64 Resp: 39050
Ion Ratio Lower Upper
64 100
66 34.2 23.1 42.9



#9
Trichlorofluoromethane
Concen: 45.922 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:101 Resp: 142124
Ion Ratio Lower Upper
101 100
103 63.4 51.6 77.4

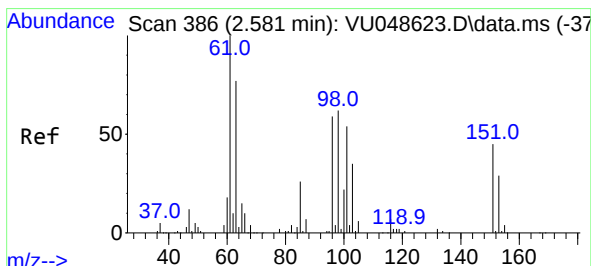
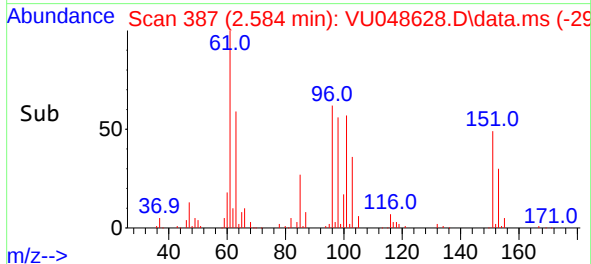
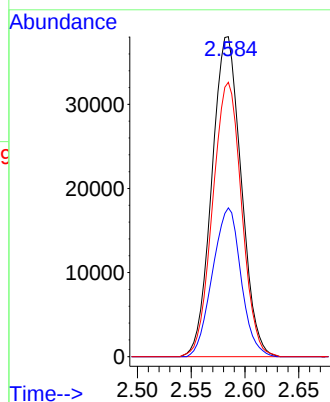
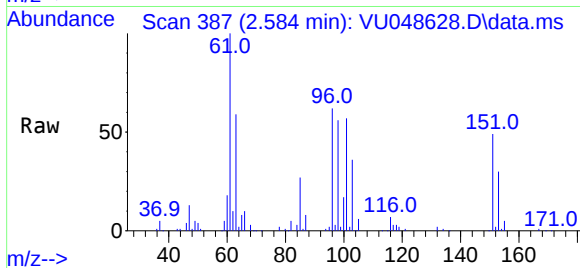




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.743 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

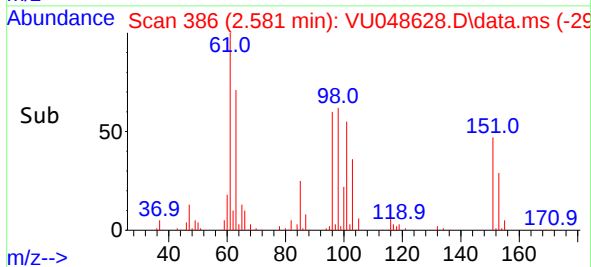
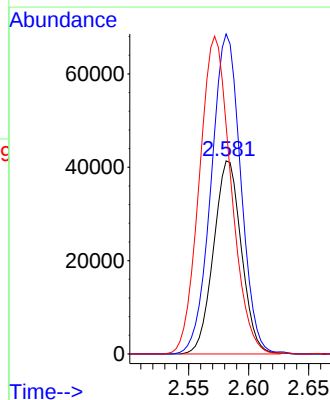
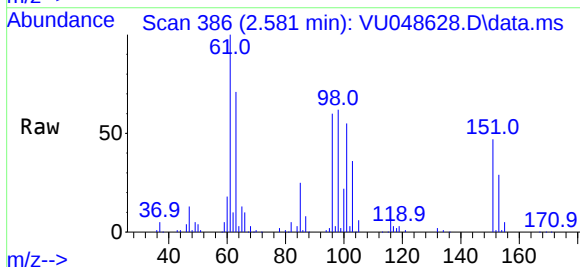
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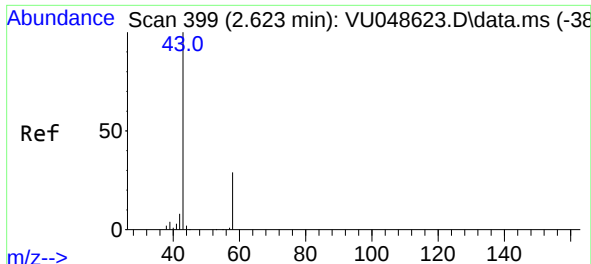
Tgt Ion:101 Resp: 72189
Ion Ratio Lower Upper
101 100
85 45.2 35.7 53.5
151 84.6 64.4 96.6



#12
1,1-Dichloroethene
Concen: 45.565 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 96 Resp: 66631
Ion Ratio Lower Upper
96 100
61 165.7 120.6 224.0
63 118.3 82.3 152.9





#13

Acetone

Concen: 74.089 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

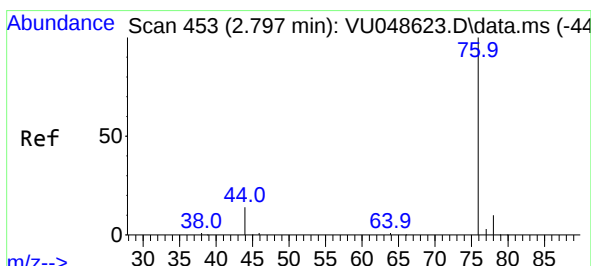
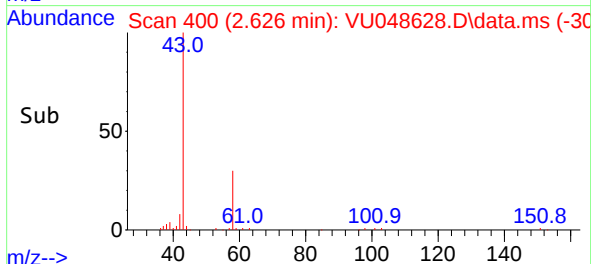
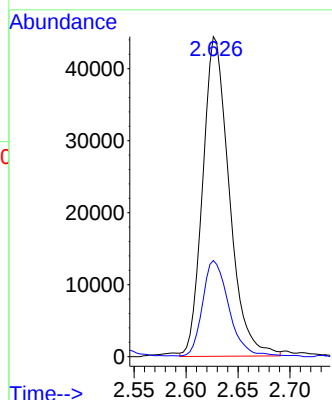
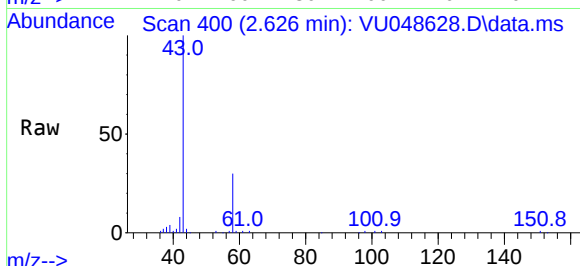
EXXX3MS

Tgt Ion: 43 Resp: 78853

Ion Ratio Lower Upper

43 100

58 28.9 0.0 59.8



#14

Carbon disulfide

Concen: 42.252 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

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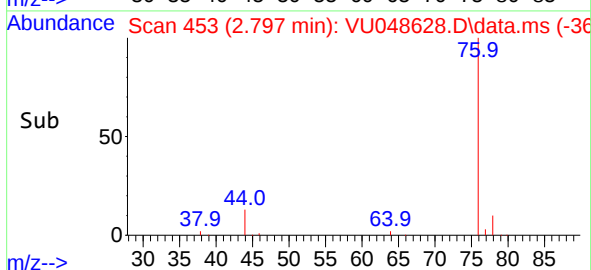
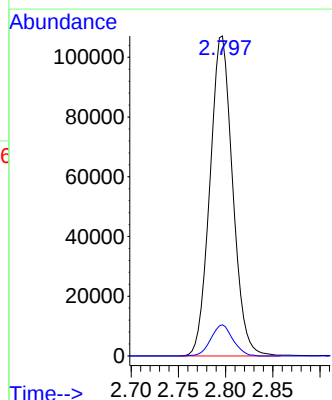
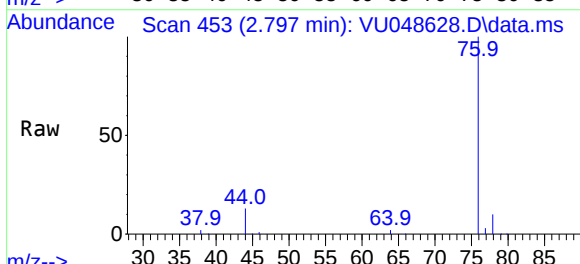
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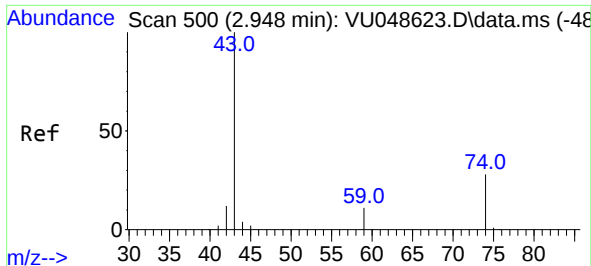
Tgt Ion: 76 Resp: 179301

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

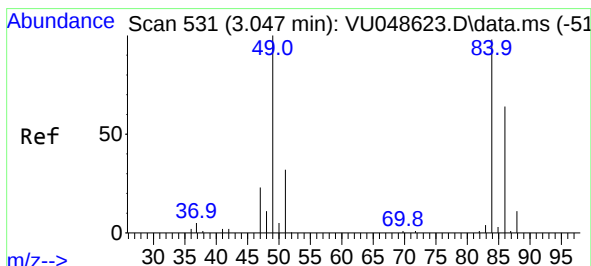
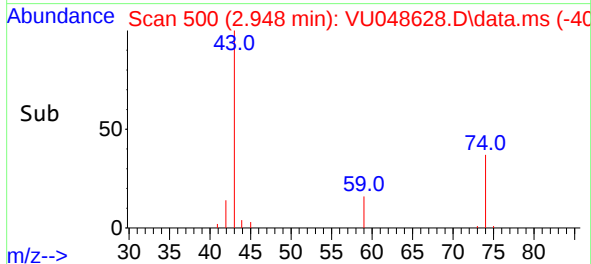
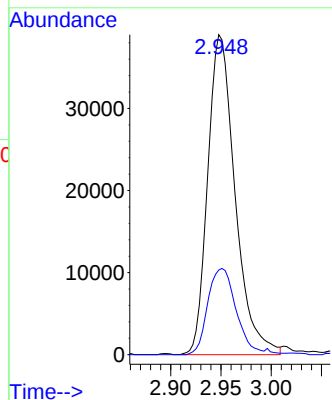
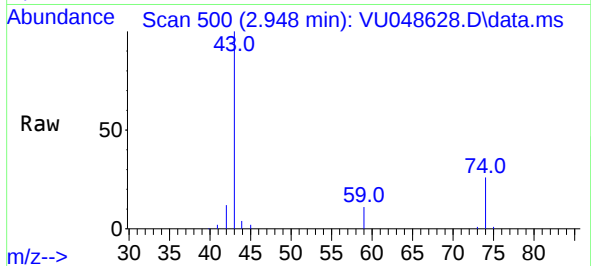




#15
Methyl Acetate
Concen: 40.686 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

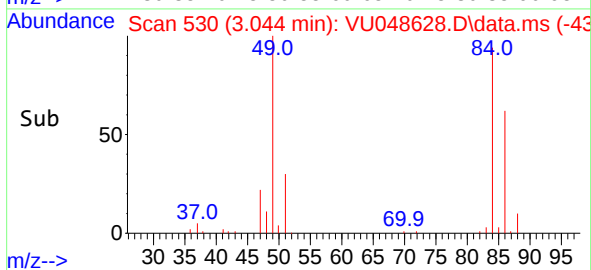
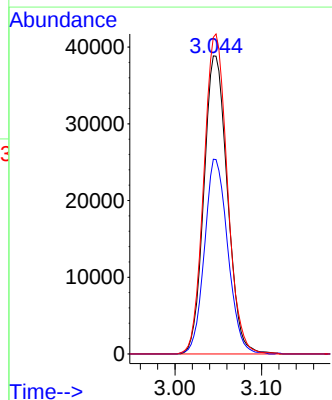
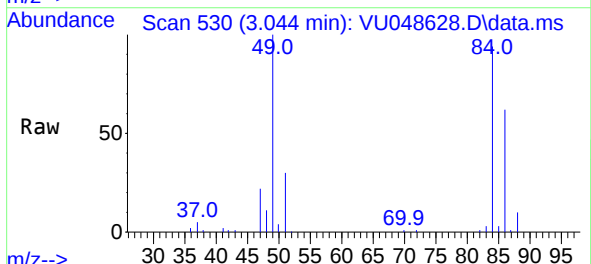
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

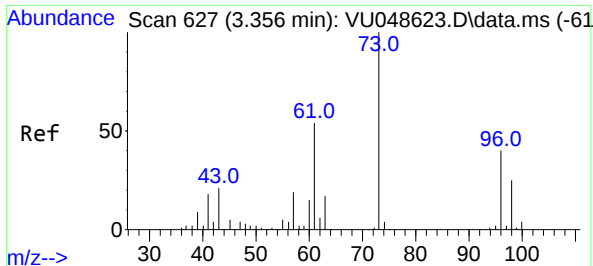
Tgt Ion: 43 Resp: 73903
Ion Ratio Lower Upper
43 100
74 27.7 21.7 32.5



#16
Methylene chloride
Concen: 43.103 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 84 Resp: 73381
Ion Ratio Lower Upper
84 100
86 65.4 43.5 80.9
49 106.2 76.4 141.8

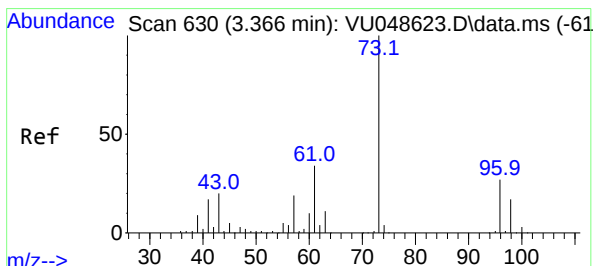
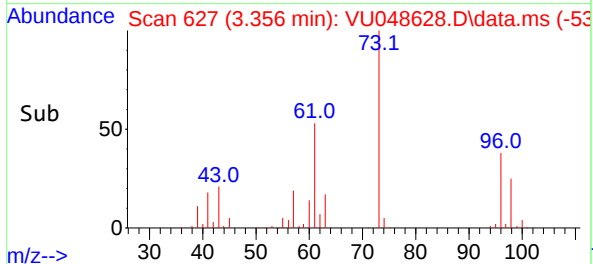
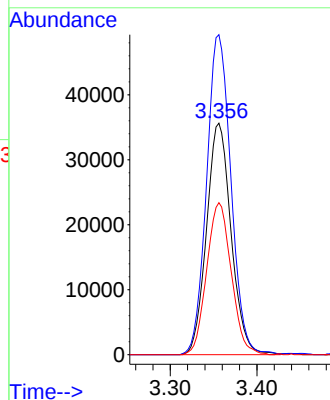
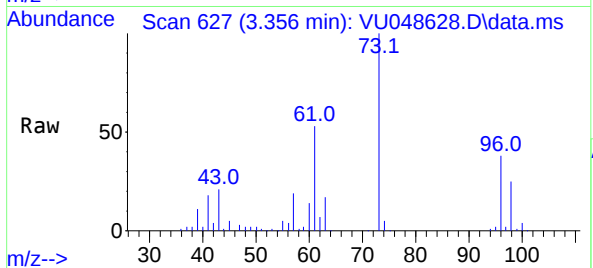




#17
trans-1,2-Dichloroethene
Concen: 44.515 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

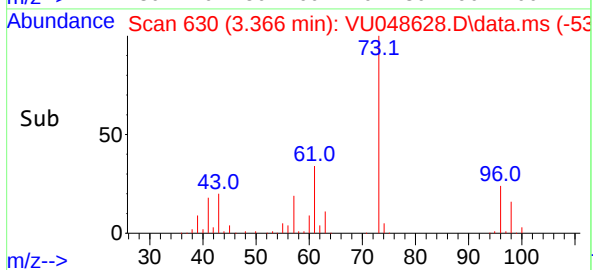
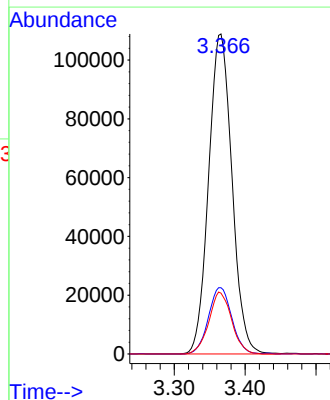
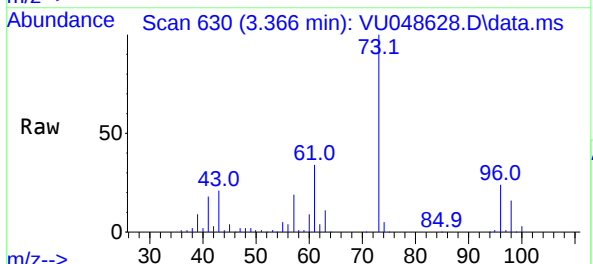
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

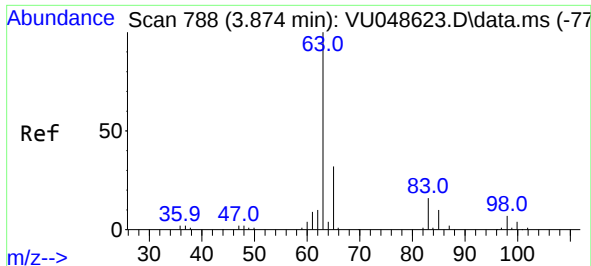
Tgt Ion: 96 Resp: 70209
Ion Ratio Lower Upper
96 100
61 138.2 94.2 175.0
98 65.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 45.541 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 73 Resp: 249208
Ion Ratio Lower Upper
73 100
43 20.7 16.2 24.4
57 18.9 15.7 23.5

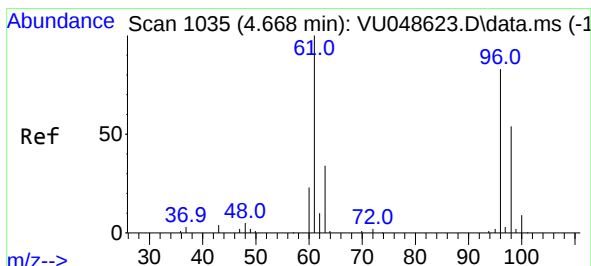
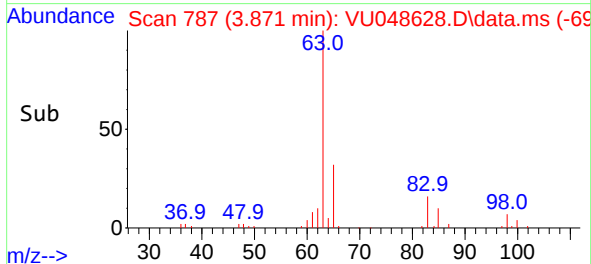
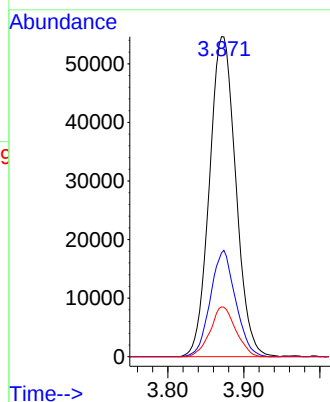
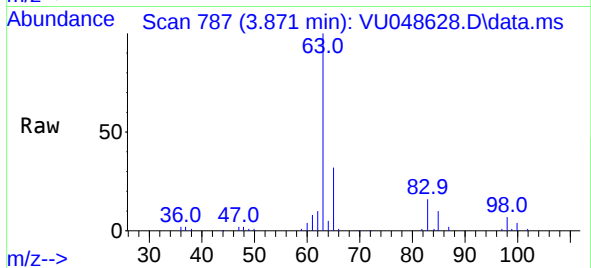




#19
1,1-Dichloroethane
Concen: 45.536 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

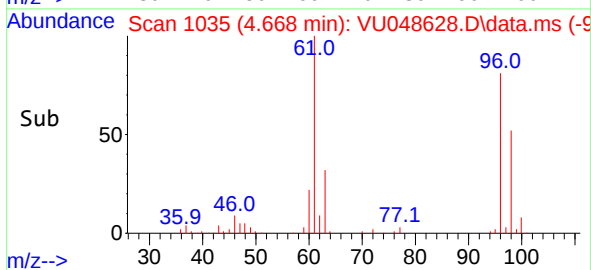
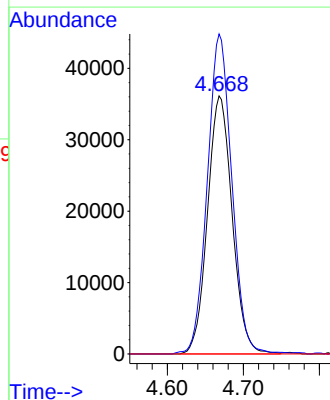
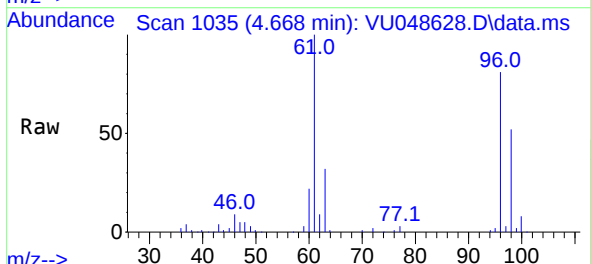
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

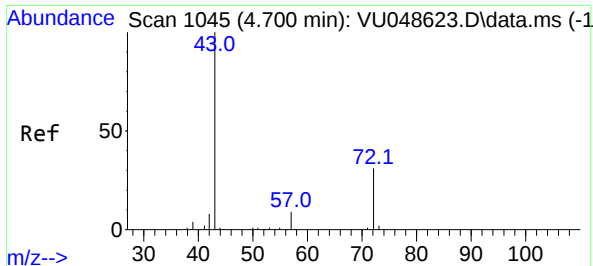
Tgt Ion: 63 Resp: 131488
Ion Ratio Lower Upper
63 100
65 32.4 21.8 40.6
83 15.5 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 45.795 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 96 Resp: 81454
Ion Ratio Lower Upper
96 100
61 124.0 88.3 164.1
68 0.0 0.0 0.0

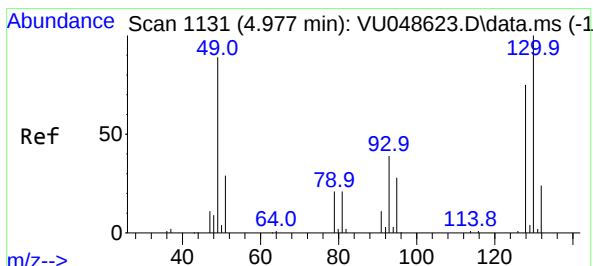
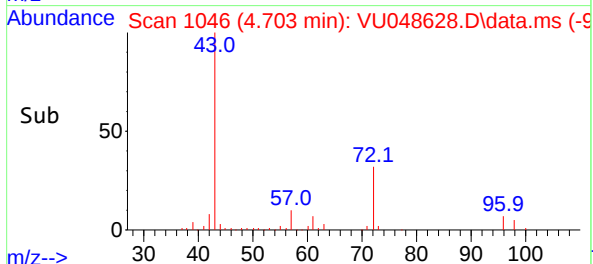
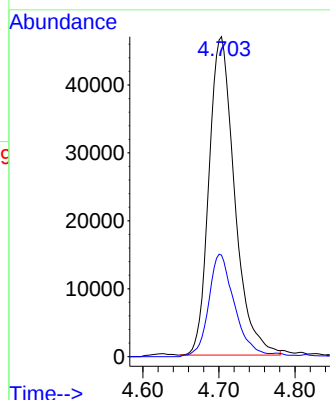
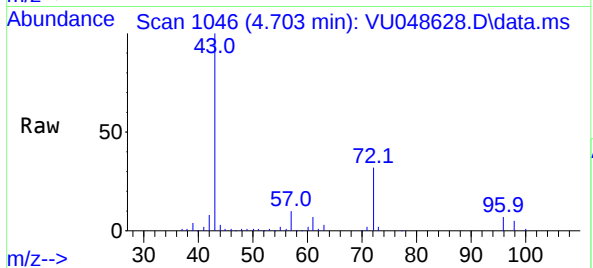




#22
2-Butanone
Concen: 81.370 ug/L
RT: 4.703 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

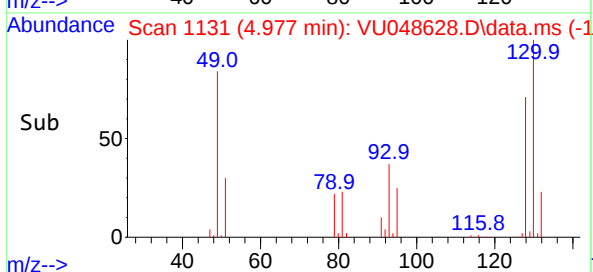
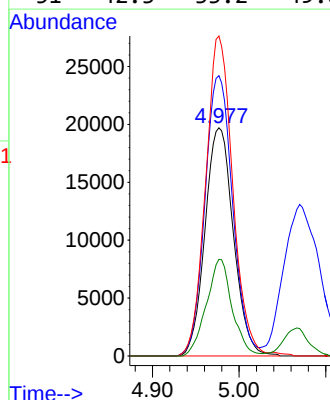
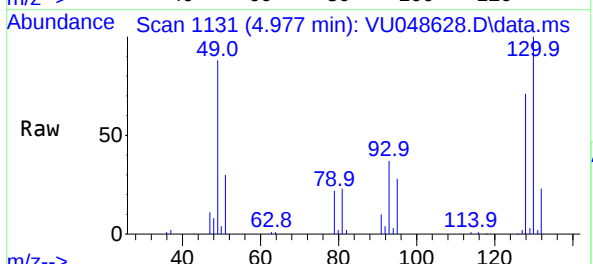
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

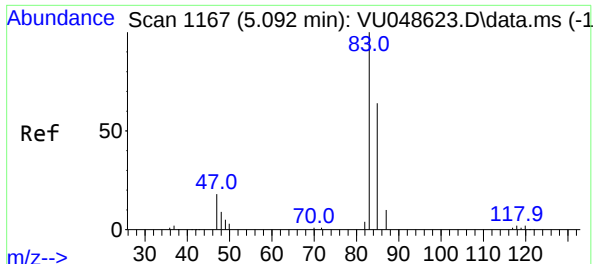
Tgt Ion: 43 Resp: 109961
Ion Ratio Lower Upper
43 100
72 32.4 15.4 46.2



#23
Bromochloromethane
Concen: 45.455 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:128 Resp: 44864
Ion Ratio Lower Upper
128 100
49 122.8 91.9 170.7
130 140.2 88.4 164.2
51 42.3 33.2 49.8

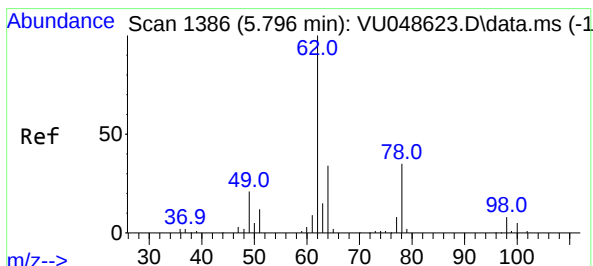
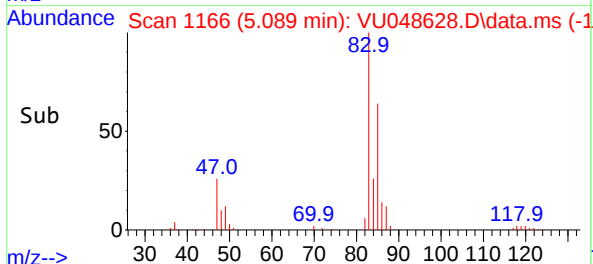
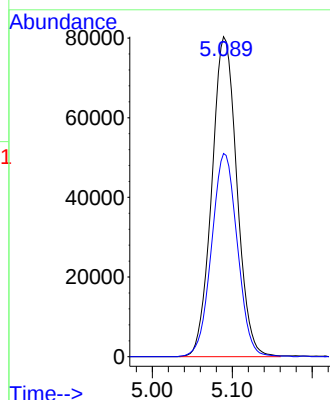
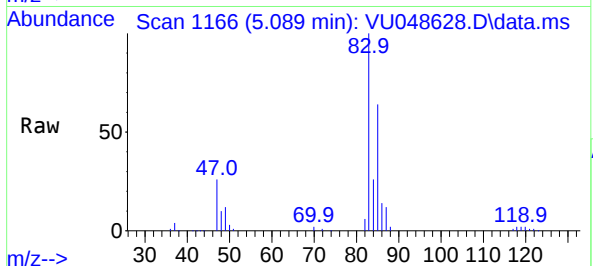




#25
Chloroform
Concen: 51.817 ug/L
RT: 5.089 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

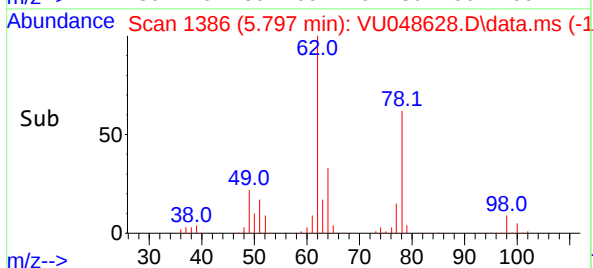
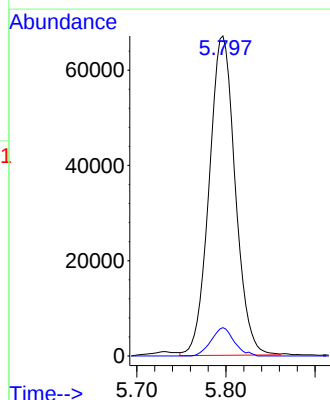
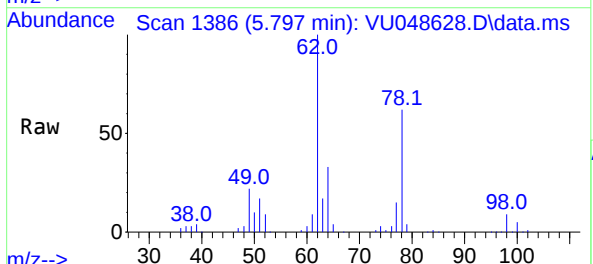
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

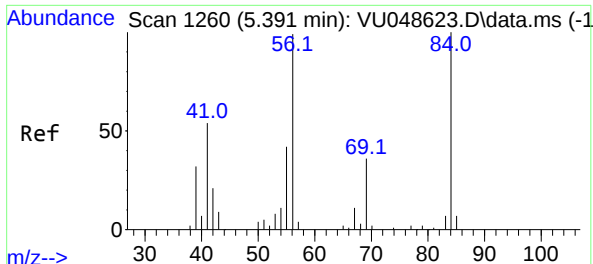
Tgt Ion: 83 Resp: 174644
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.7



#27
1,2-Dichloroethane
Concen: 47.125 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 62 Resp: 136252
Ion Ratio Lower Upper
62 100
98 8.8 6.0 9.0

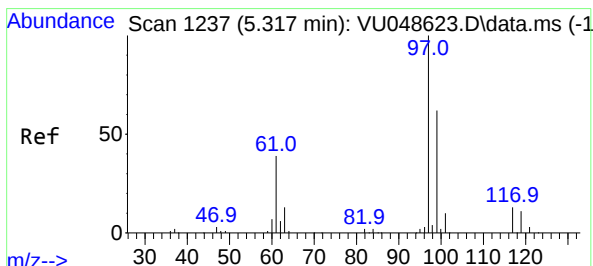
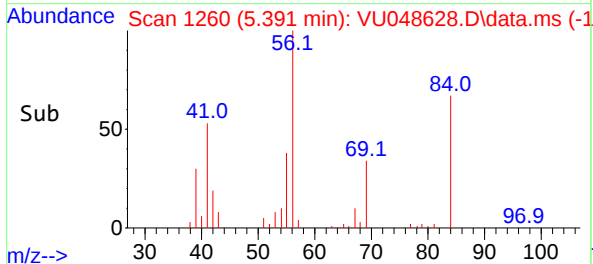
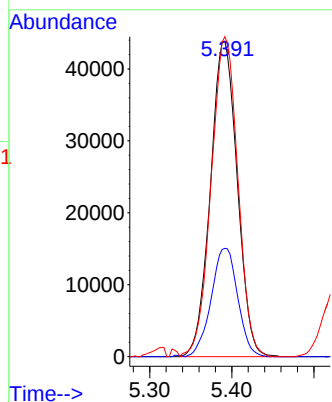
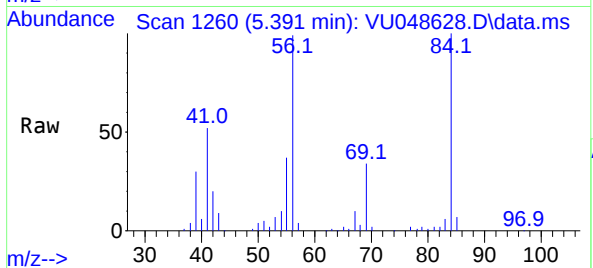




#29
Cyclohexane
Concen: 43.827 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

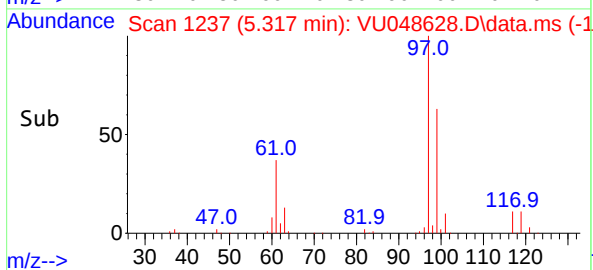
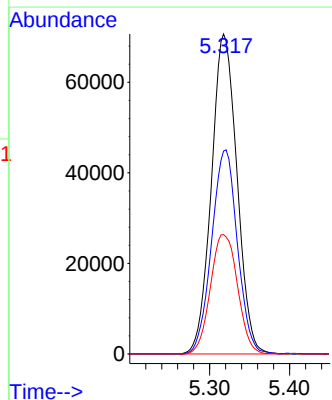
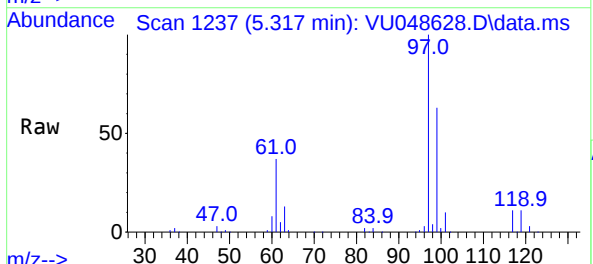
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

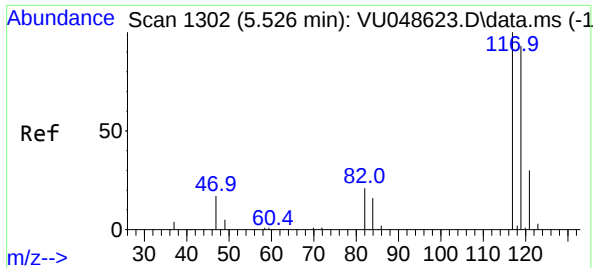
Tgt Ion:	56	Resp:	99610
Ion Ratio	Lower	Upper	
56	100		
69	34.0	26.5	39.7
84	100.6	78.0	117.0



#30
1,1,1-Trichloroethane
Concen: 46.898 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:	97	Resp:	157130
Ion Ratio	Lower	Upper	
97	100		
99	64.3	50.3	75.5
61	39.5	32.6	48.8

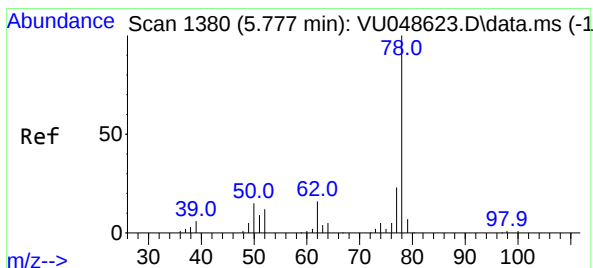
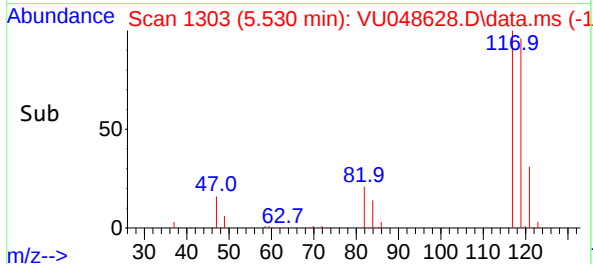
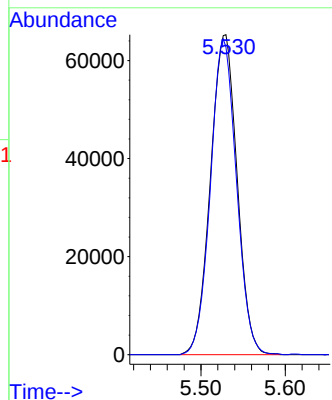
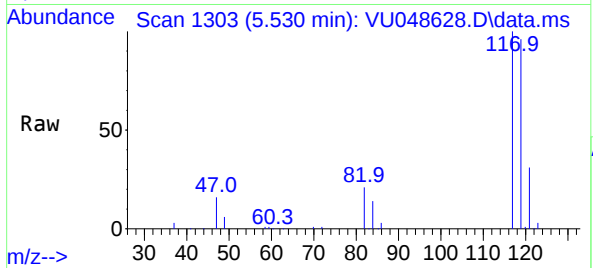




#31
Carbon tetrachloride
Concen: 46.787 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

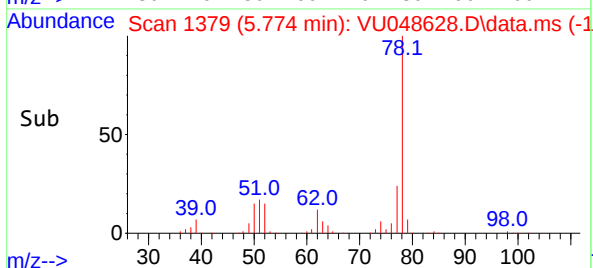
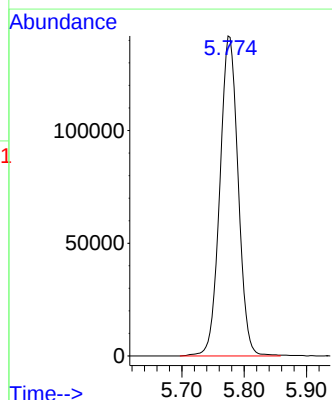
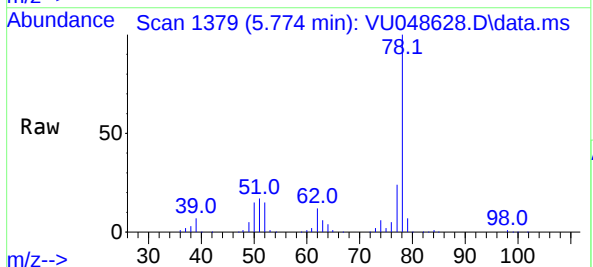
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

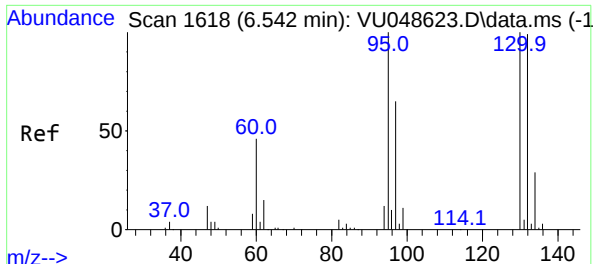
Tgt Ion:117 Resp: 142861
Ion Ratio Lower Upper
117 100
119 96.2 76.0 114.0



#33
Benzene
Concen: 44.753 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 78 Resp: 289318

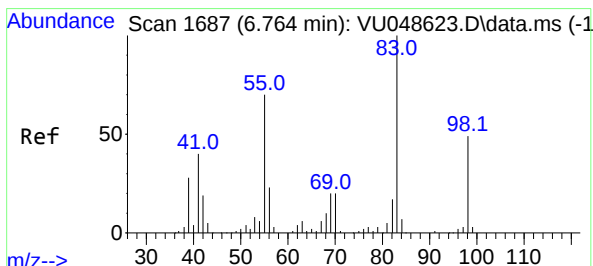
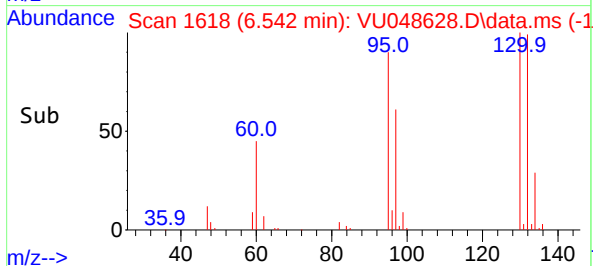
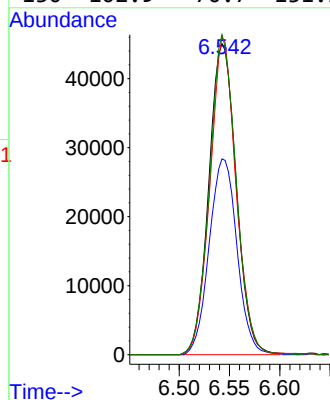
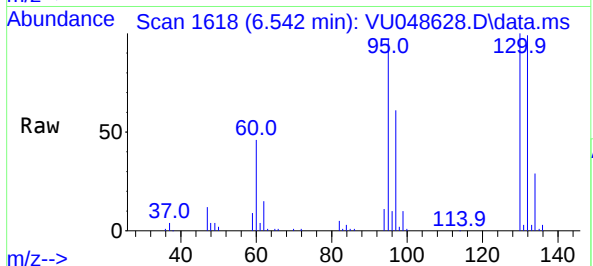




#34
Trichloroethene
Concen: 46.640 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

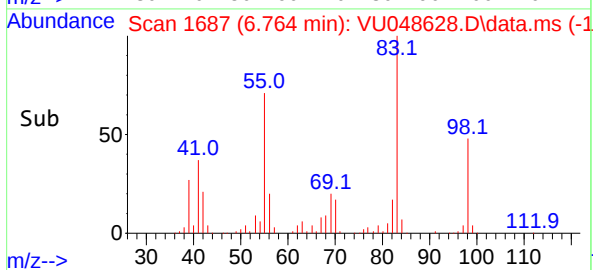
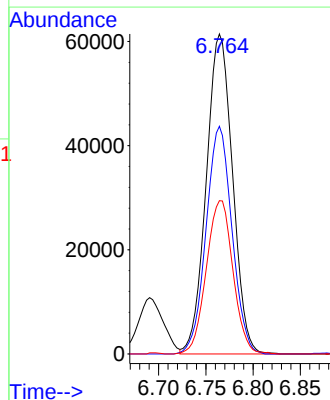
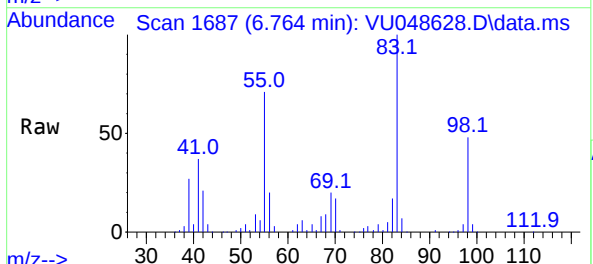
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

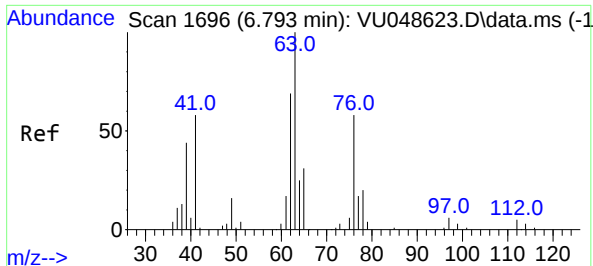
Tgt Ion: 95 Resp: 85306
Ion Ratio Lower Upper
95 100
97 63.0 45.2 84.0
132 102.2 67.3 124.9
130 102.9 70.7 131.3



#35
Methylcyclohexane
Concen: 45.363 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 83 Resp: 119064
Ion Ratio Lower Upper
83 100
55 70.1 56.2 84.4
98 48.5 38.2 57.2

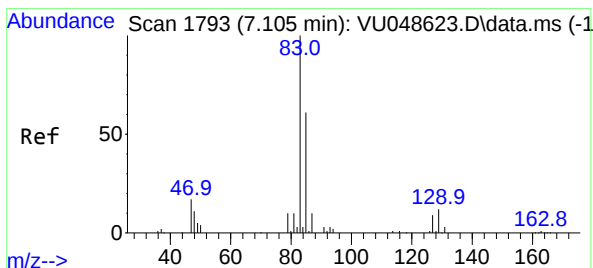
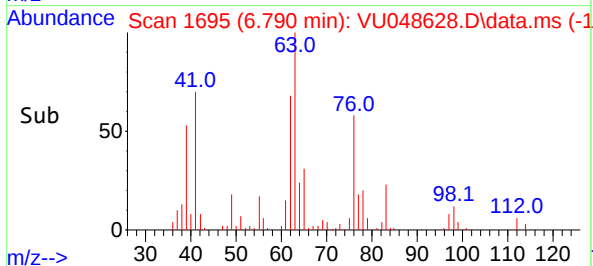
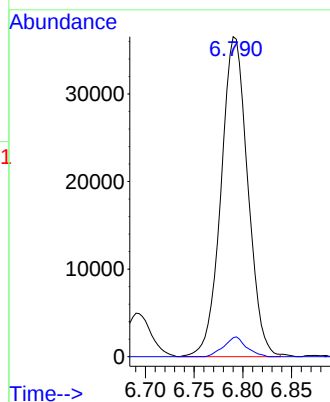
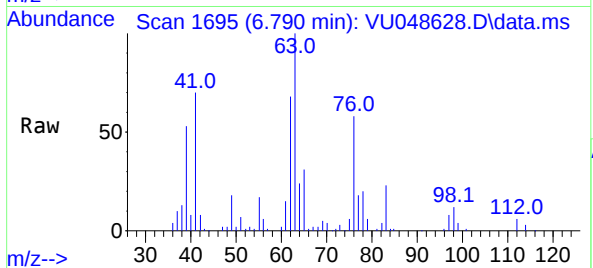




#37
1,2-Dichloropropane
Concen: 43.098 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

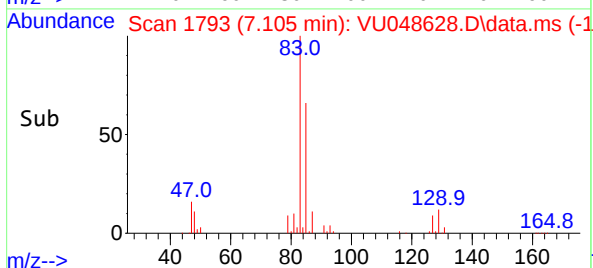
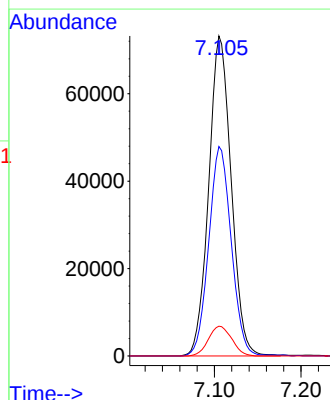
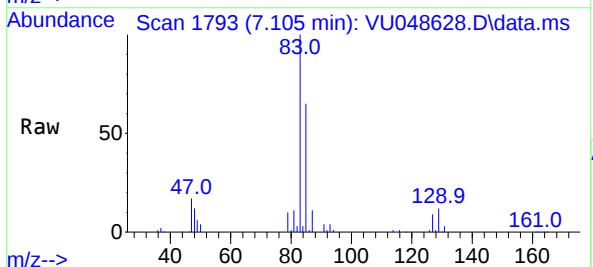
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

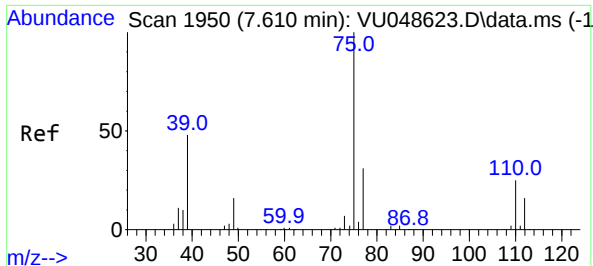
Tgt Ion: 63 Resp: 69668
Ion Ratio Lower Upper
63 100
112 5.2 3.7 5.5



#38
Bromodichloromethane
Concen: 50.458 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 83 Resp: 131966
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.5
127 9.3 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 46.695 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

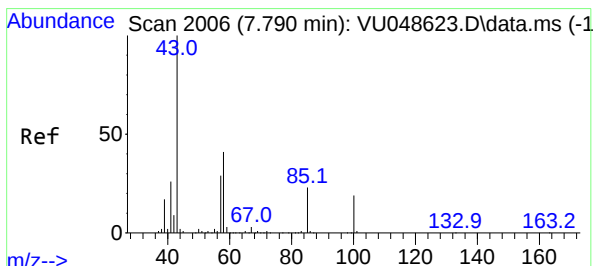
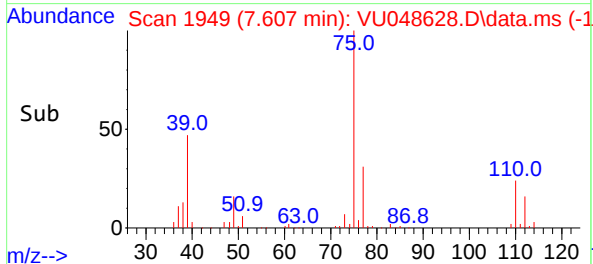
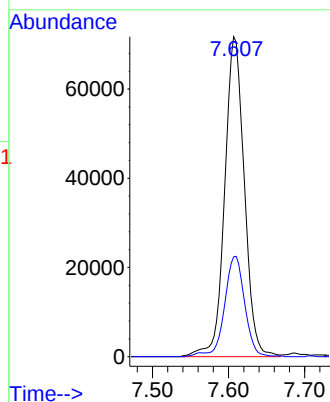
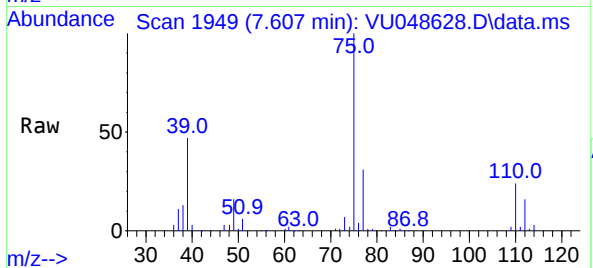
EXXX3MS

Tgt Ion: 75 Resp: 128873

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 85.297 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

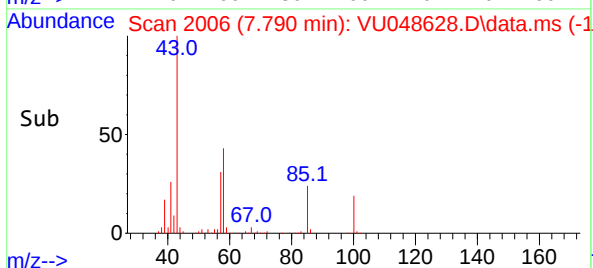
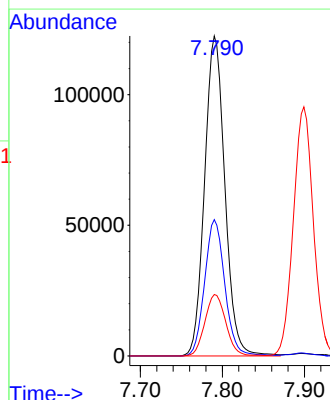
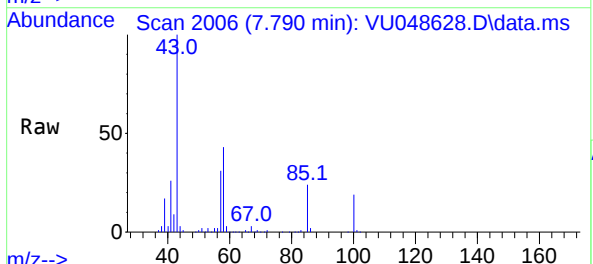
Tgt Ion: 43 Resp: 210413

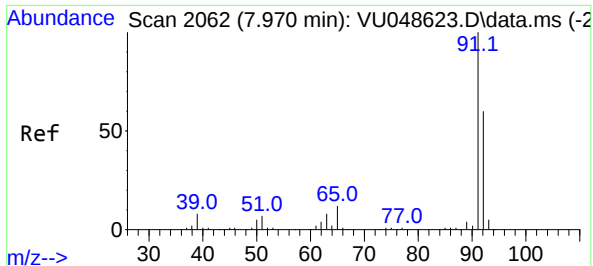
Ion Ratio Lower Upper

43 100

58 42.2 34.3 51.5

100 19.7 14.7 22.1

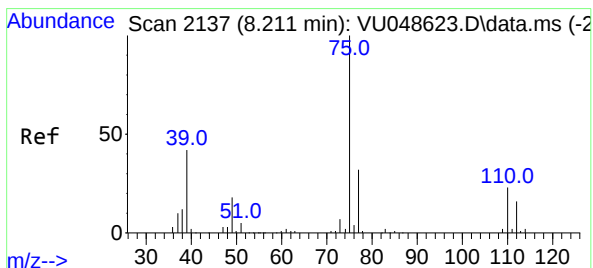
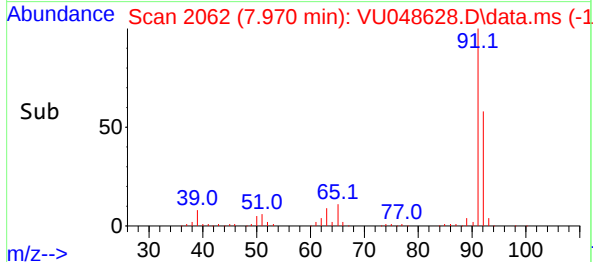
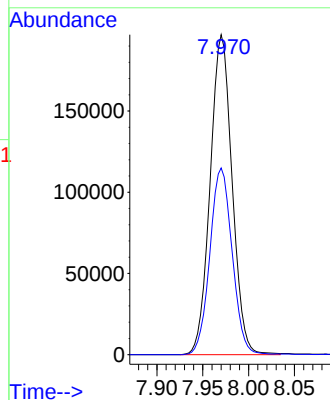
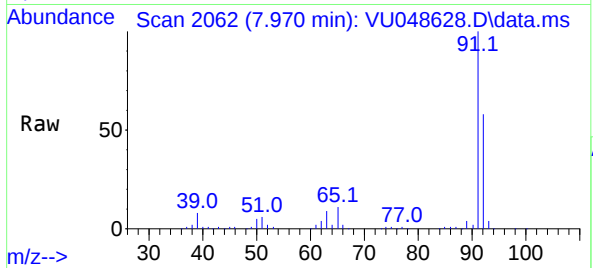




#42
Toluene
Concen: 46.619 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

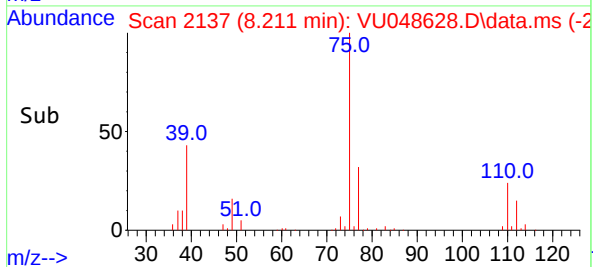
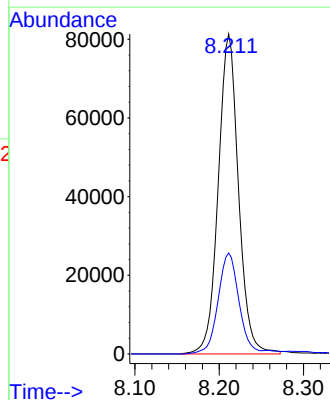
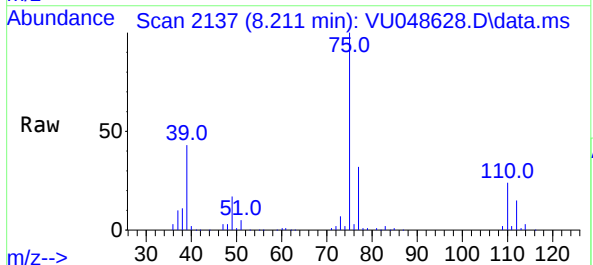
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

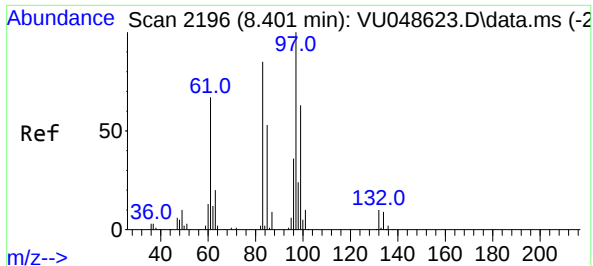
Tgt Ion: 91 Resp: 328496
Ion Ratio Lower Upper
91 100
92 58.3 41.4 77.0



#44
trans-1,3-Dichloropropene
Concen: 46.566 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 75 Resp: 135533
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 45.716 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

EXXX3MS

Tgt Ion: 97 Resp: 79139

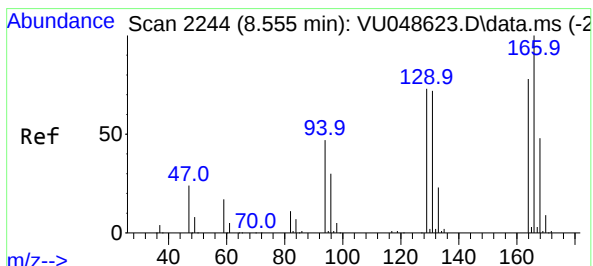
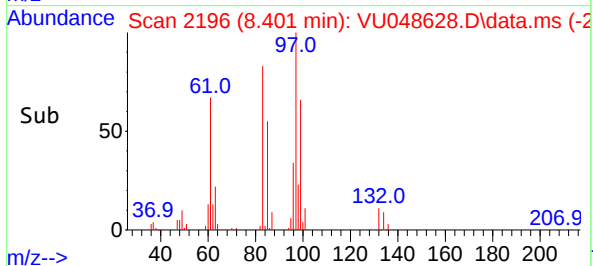
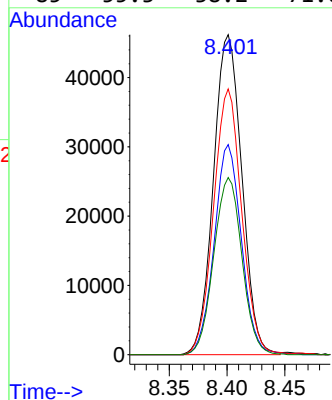
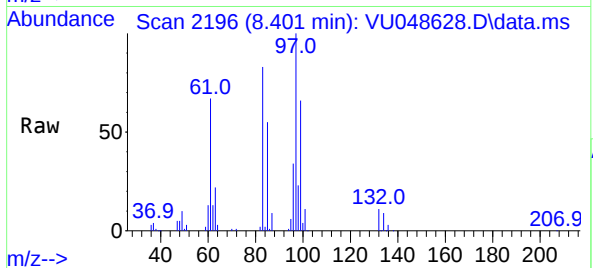
Ion Ratio Lower Upper

97 100

99 65.6 42.2 78.4

83 83.0 58.4 108.6

85 55.3 38.2 71.0



#46

Tetrachloroethene

Concen: 47.610 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

Tgt Ion:164 Resp: 71059

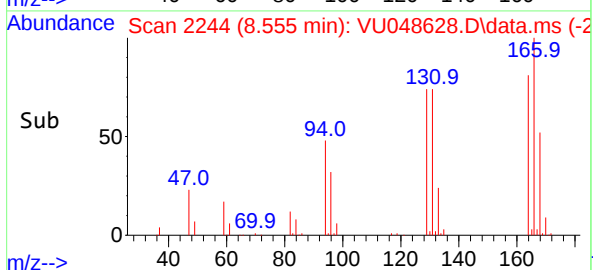
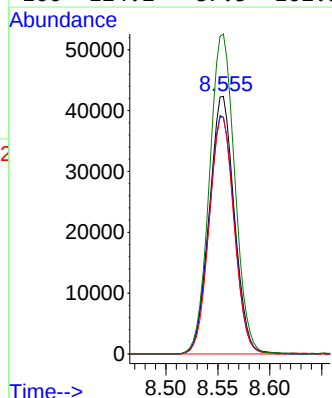
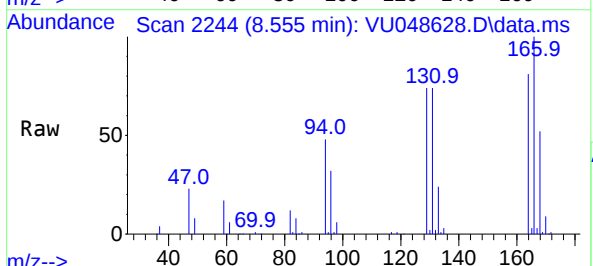
Ion Ratio Lower Upper

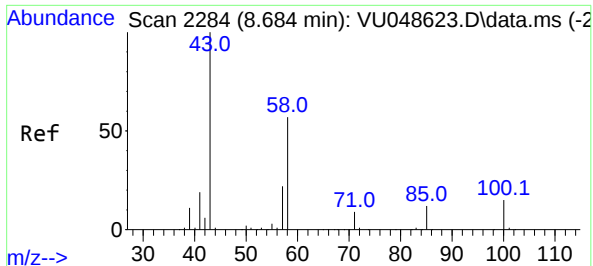
164 100

129 91.8 64.3 119.3

131 92.0 64.5 119.7

166 124.2 87.5 162.5

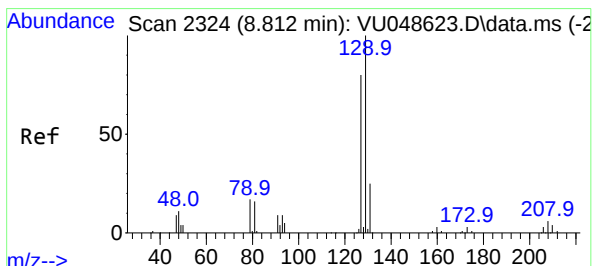
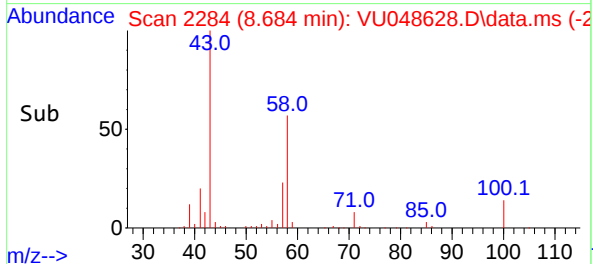
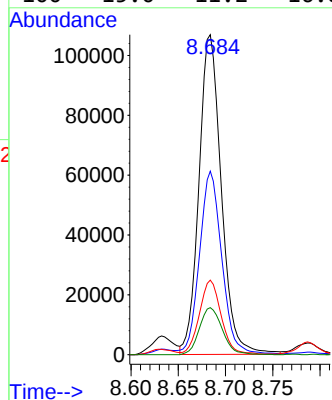
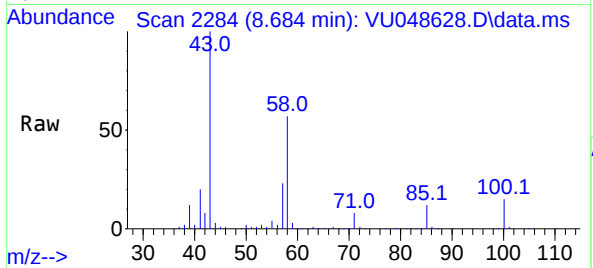




#48
2-Hexanone
Concen: 83.475 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

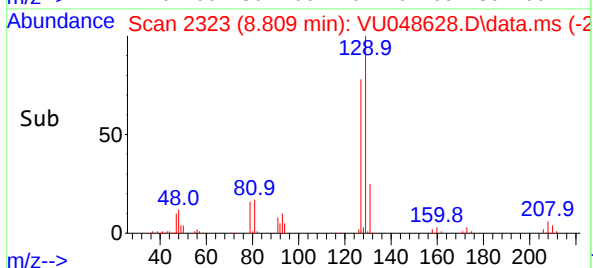
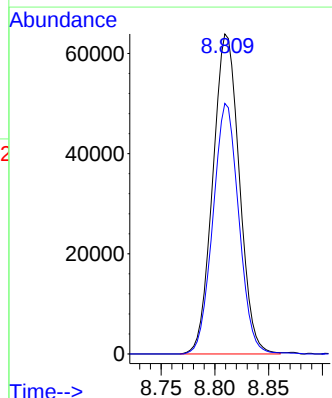
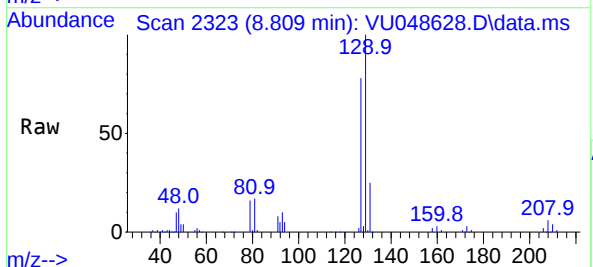
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

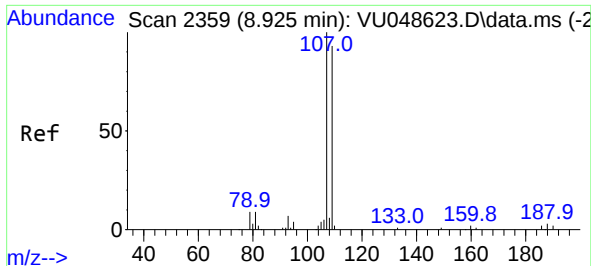
Tgt Ion: 43 Resp: 176431
Ion Ratio Lower Upper
43 100
58 57.3 45.8 68.6
57 22.8 16.8 25.2
100 15.0 11.2 16.8



#49
Dibromochloromethane
Concen: 49.299 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 129 Resp: 109720
Ion Ratio Lower Upper
129 100
127 78.3 53.1 98.5

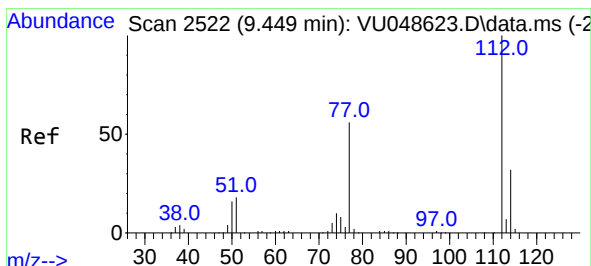
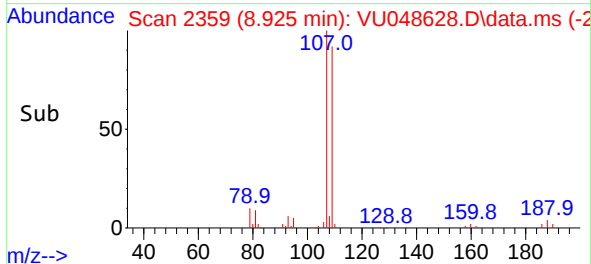
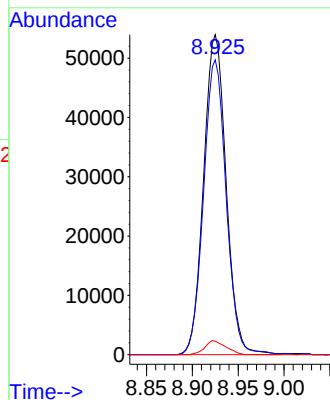
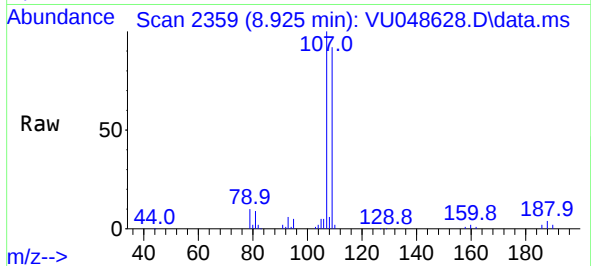




#50
1,2-Dibromoethane
Concen: 46.193 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

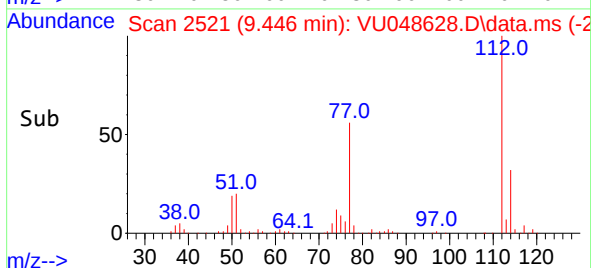
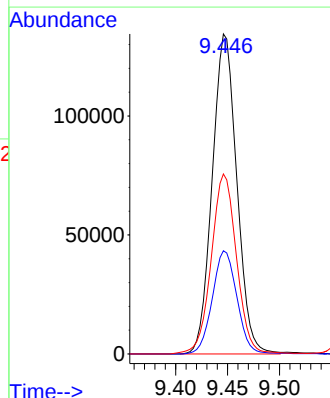
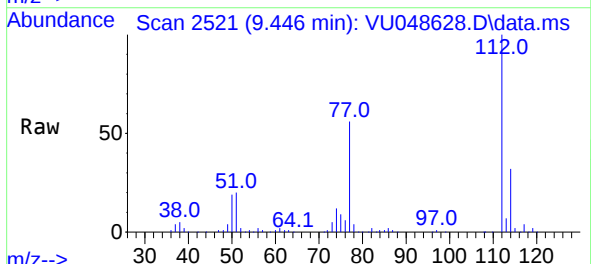
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

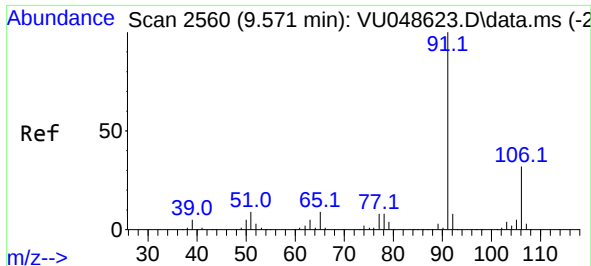
Tgt Ion:107 Resp: 92285
Ion Ratio Lower Upper
107 100
109 92.2 67.5 125.3
188 4.2 3.4 5.2



#51
Chlorobenzene
Concen: 45.052 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:112 Resp: 221404
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 56.3 46.5 69.7

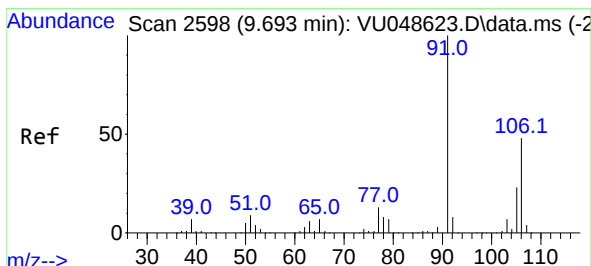
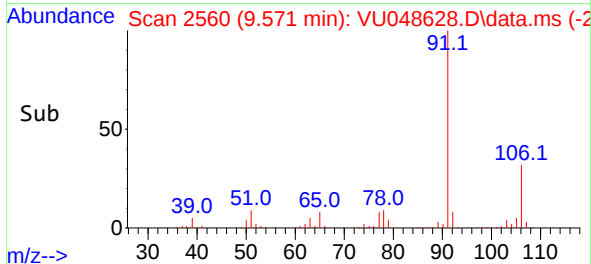
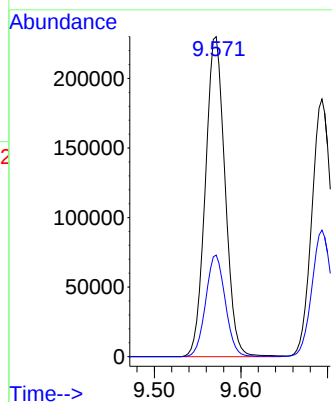
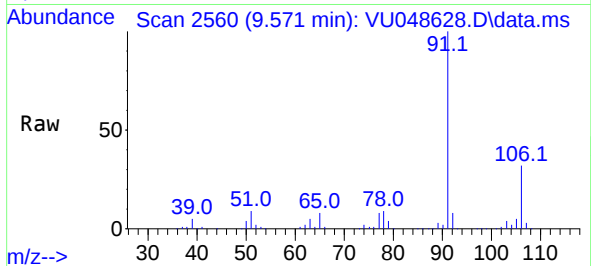




#52
Ethylbenzene
Concen: 45.036 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

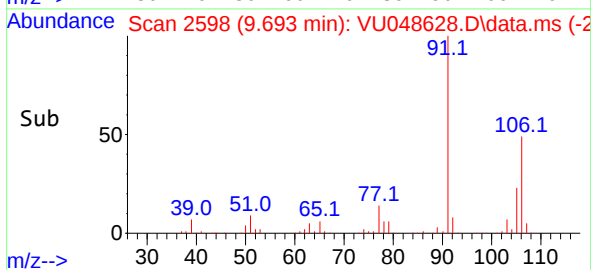
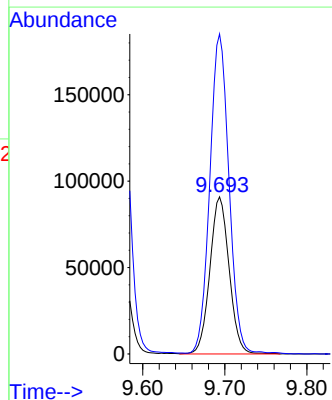
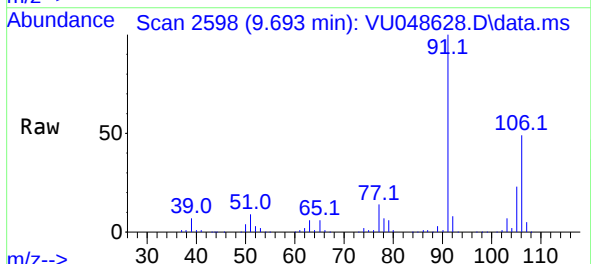
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

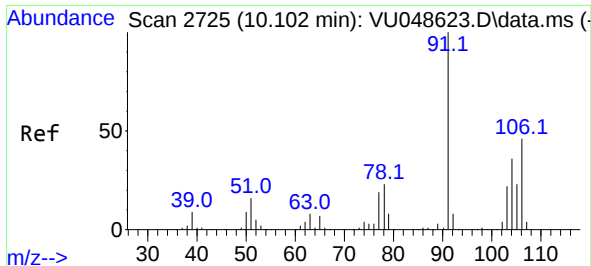
Tgt Ion: 91 Resp: 362651
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.6



#53
m,p-Xylene
Concen: 45.804 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 106 Resp: 148224
Ion Ratio Lower Upper
106 100
91 203.6 141.8 263.4

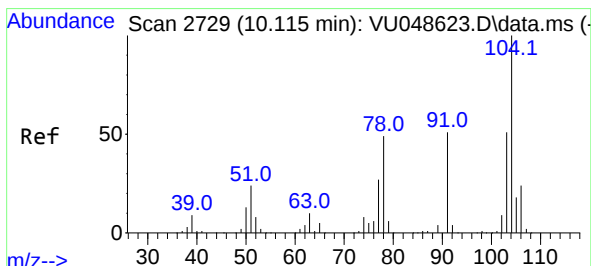
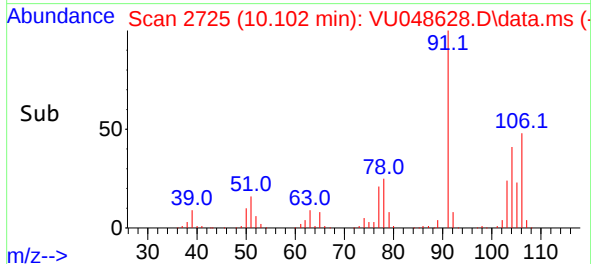
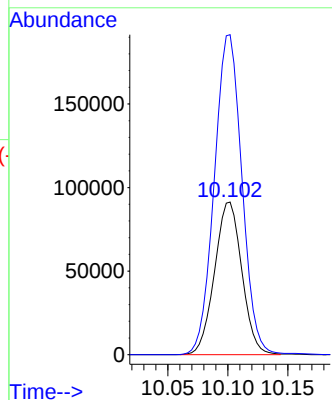
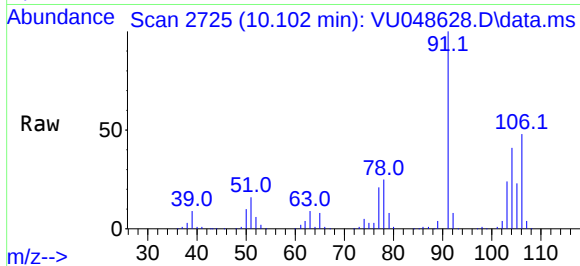




#54
o-Xylene
Concen: 46.572 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

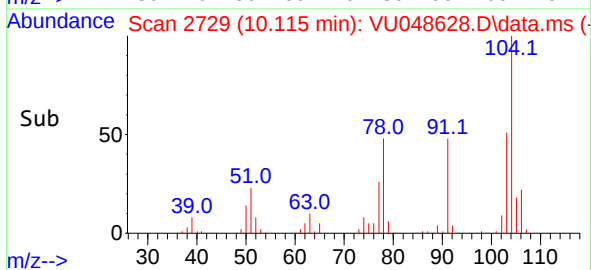
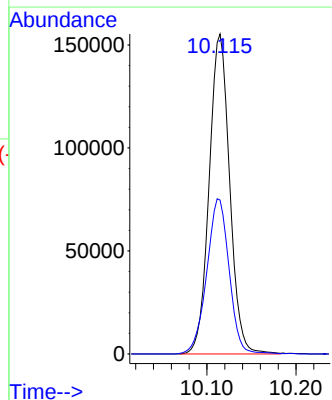
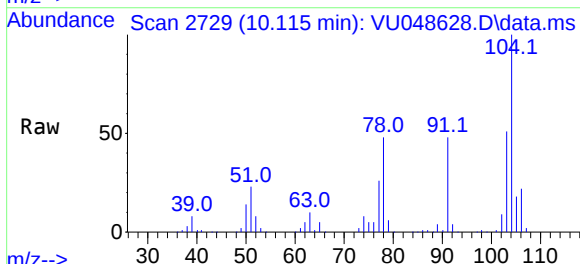
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

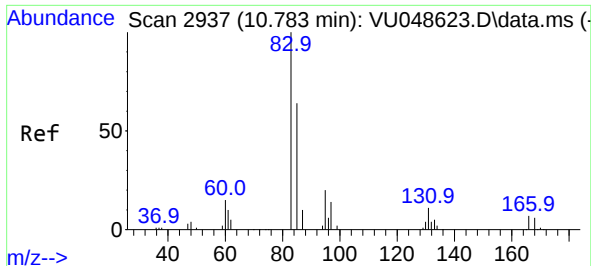
Tgt Ion:106 Resp: 144380
Ion Ratio Lower Upper
106 100
91 209.7 150.1 278.9



#55
Styrene
Concen: 46.054 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:104 Resp: 248241
Ion Ratio Lower Upper
104 100
78 48.1 32.7 60.7

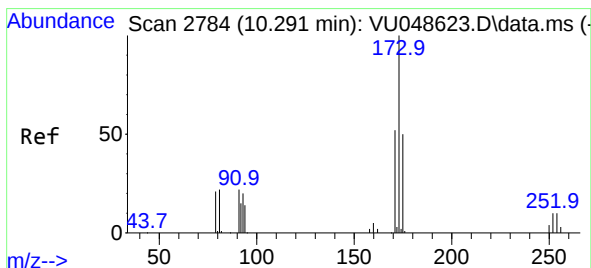
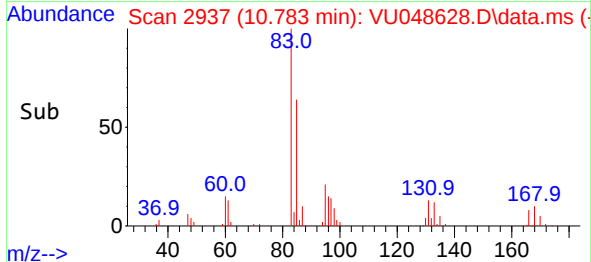
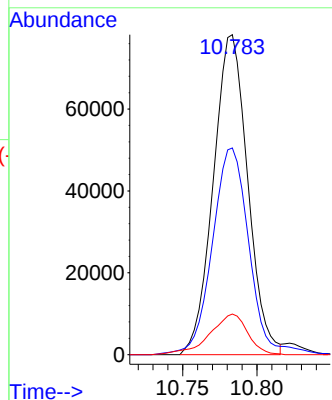
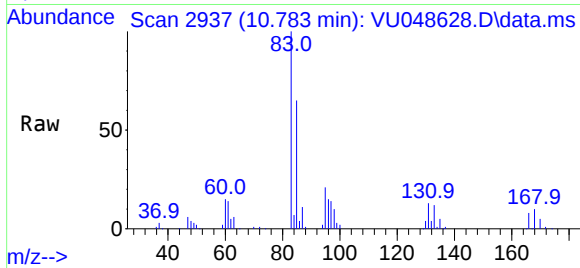




#57
1,1,2,2-Tetrachloroethane
Concen: 42.125 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

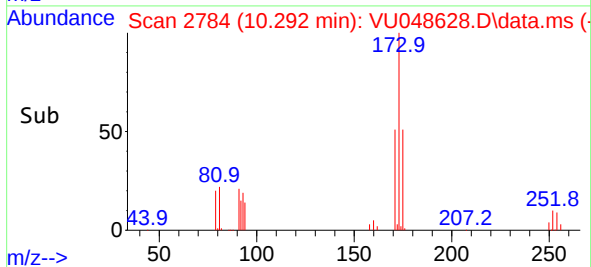
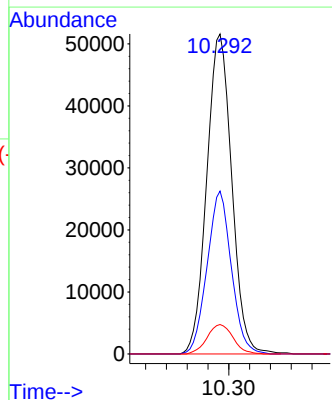
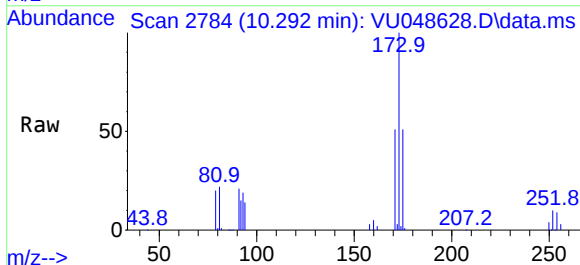
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

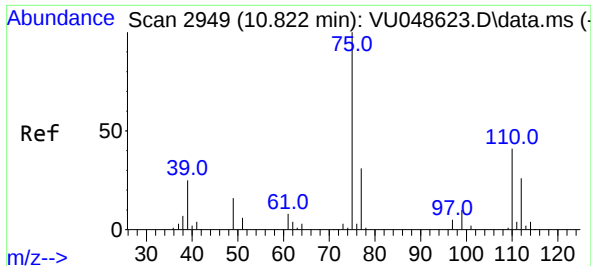
Tgt Ion: 83 Resp: 126029
Ion Ratio Lower Upper
83 100
85 64.6 44.1 81.9
131 12.7 8.9 13.3



#59
Bromoform
Concen: 45.619 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:173 Resp: 86155
Ion Ratio Lower Upper
173 100
175 49.3 38.2 57.4
254 9.6 7.7 11.5

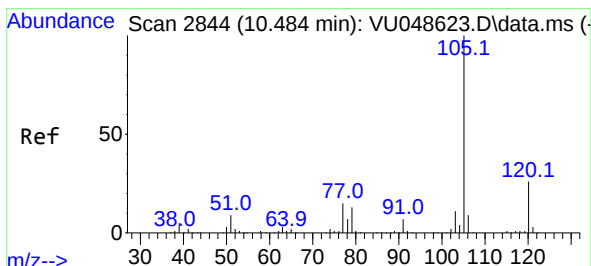
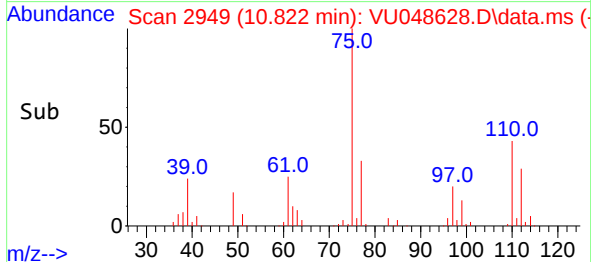
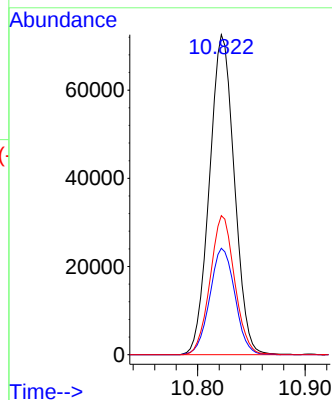
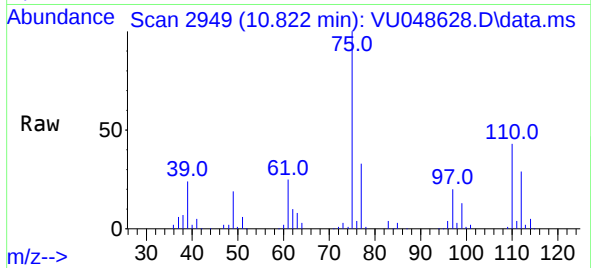




#60
1,2,3-Trichloropropane
Concen: 42.824 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

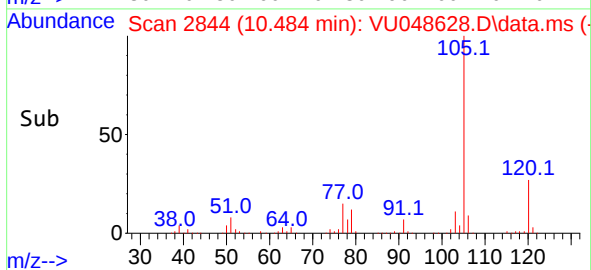
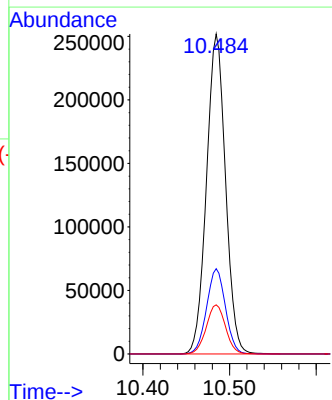
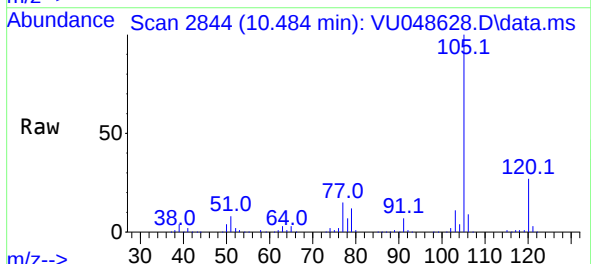
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

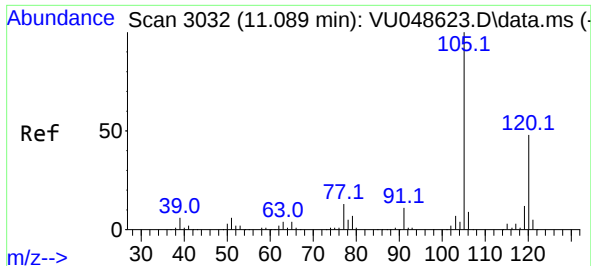
Tgt Ion: 75 Resp: 116687
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.0
110 42.9 32.1 48.1



#61
Isopropylbenzene
Concen: 45.374 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion: 105 Resp: 383925
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 15.6 12.5 18.7

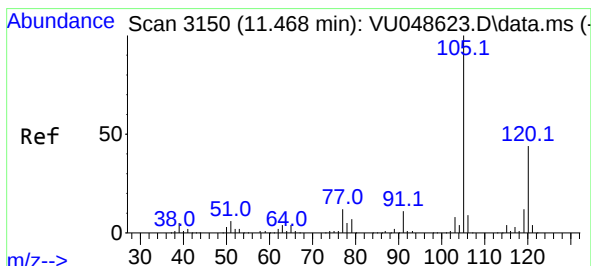
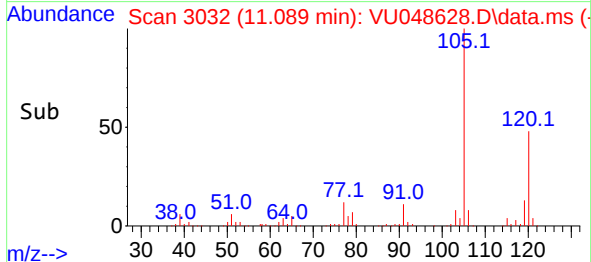
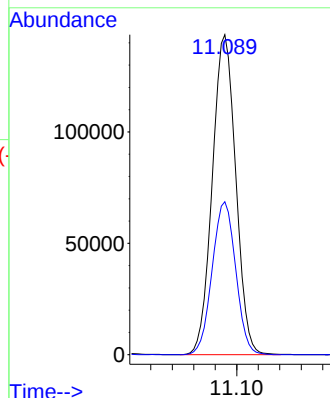
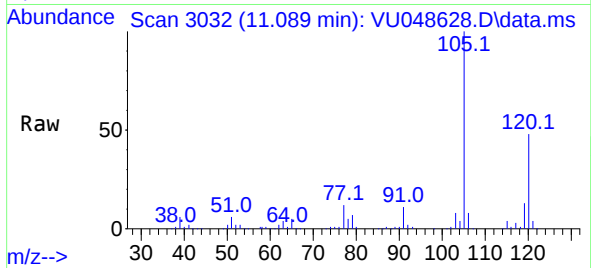




#62
1,3,5-Trimethylbenzene
Concen: 45.258 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

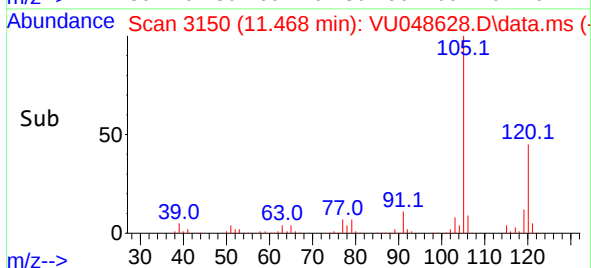
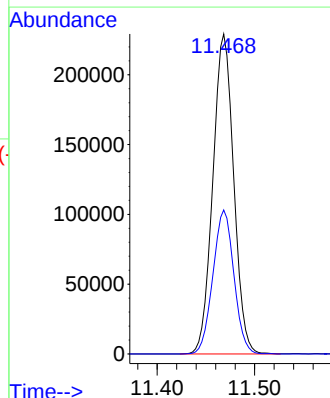
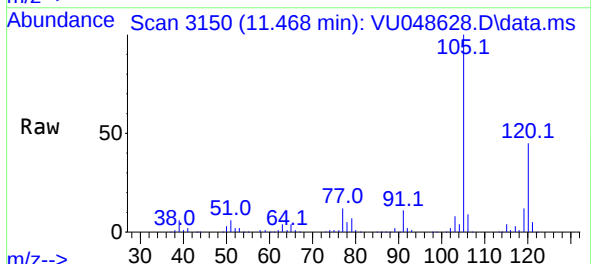
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

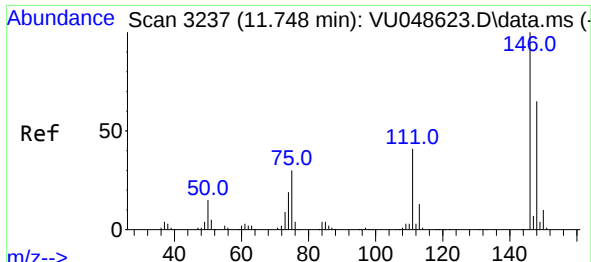
Tgt Ion:105 Resp: 217707
Ion Ratio Lower Upper
105 100
120 48.0 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 45.566 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:105 Resp: 340842
Ion Ratio Lower Upper
105 100
120 45.2 35.4 53.2

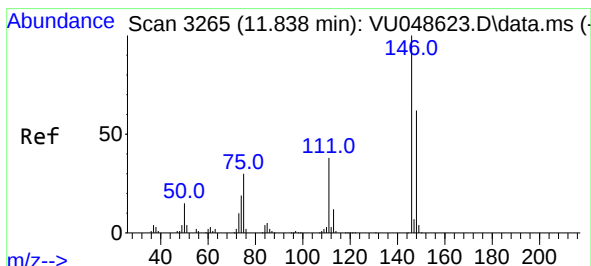
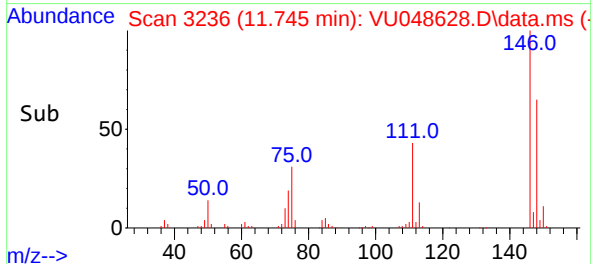
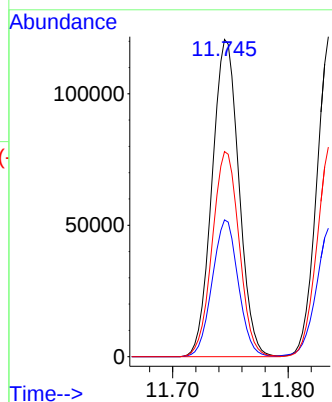
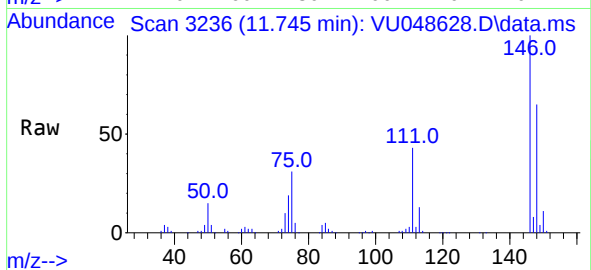




#64
1,3-Dichlorobenzene
Concen: 44.658 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

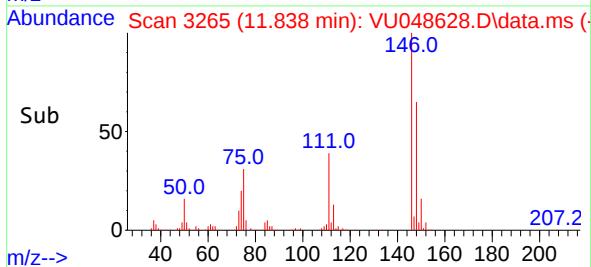
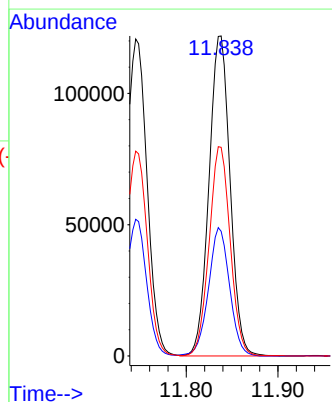
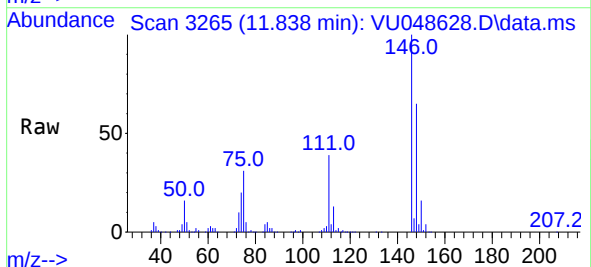
Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS

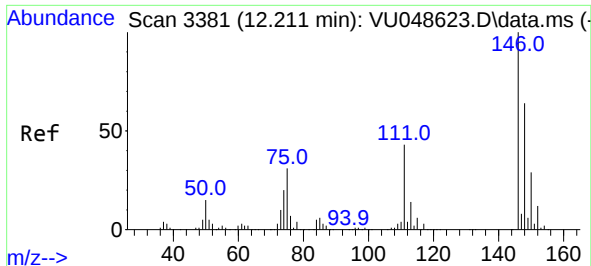
Tgt Ion:146 Resp: 194865
Ion Ratio Lower Upper
146 100
111 43.1 28.7 53.3
148 64.6 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 43.029 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:146 Resp: 194836
Ion Ratio Lower Upper
146 100
111 38.9 27.6 51.2
148 65.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 43.484 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

EXXX3MS

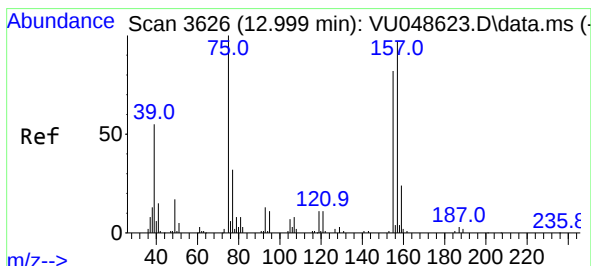
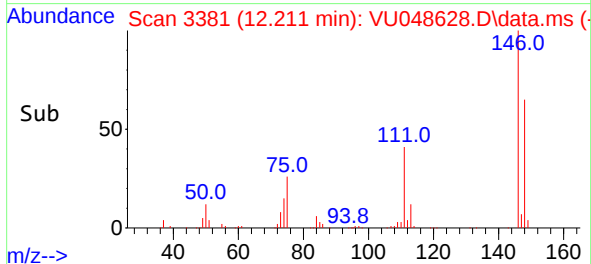
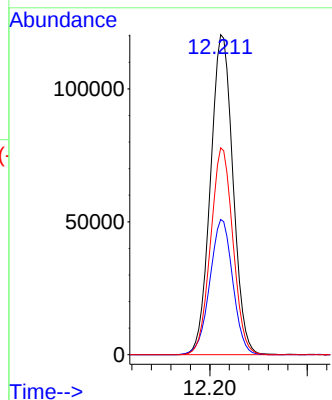
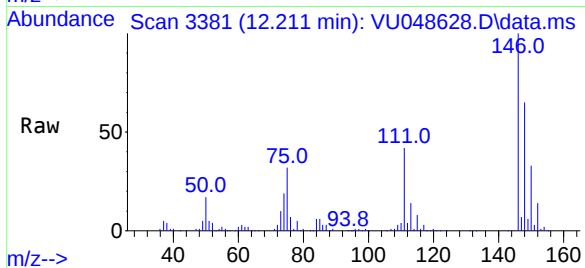
Tgt Ion:146 Resp: 192992

Ion Ratio Lower Upper

146 100

111 42.2 34.1 51.1

148 64.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 41.164 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

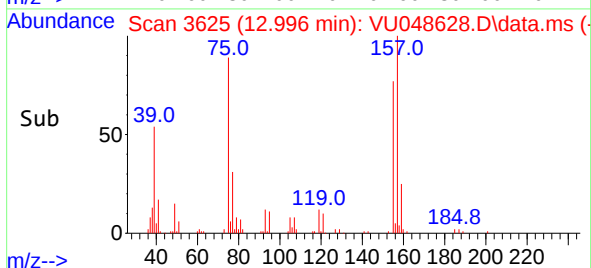
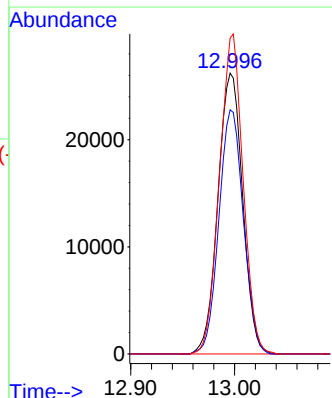
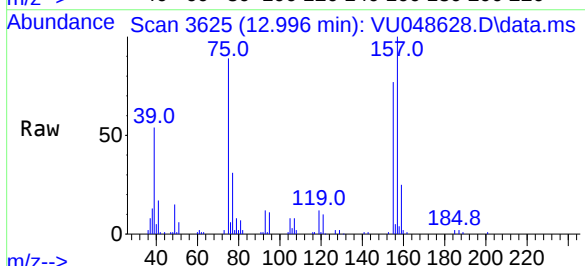
Tgt Ion: 75 Resp: 43367

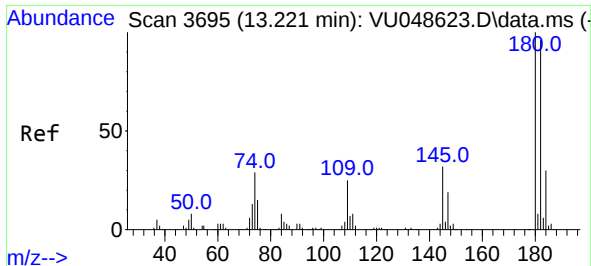
Ion Ratio Lower Upper

75 100

155 87.0 63.5 95.3

157 112.5 83.5 125.3





#69

1,3,5-Trichlorobenzene

Concen: 44.244 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

Instrument :

MSVOA_U

ClientSampleId :

EXXX3MS

Tgt Ion:180 Resp: 153876

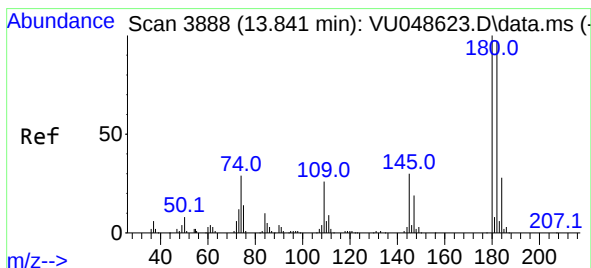
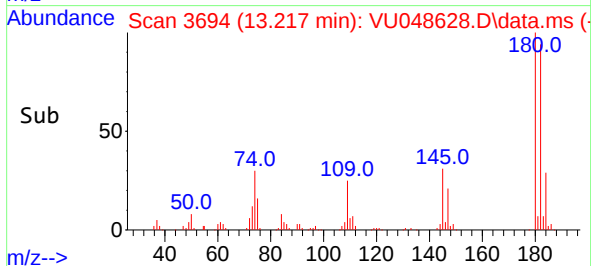
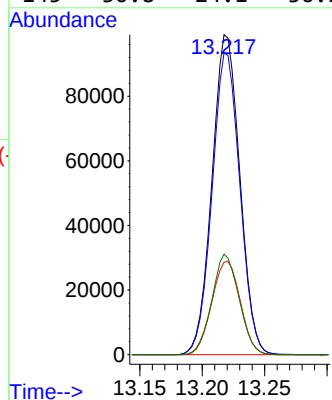
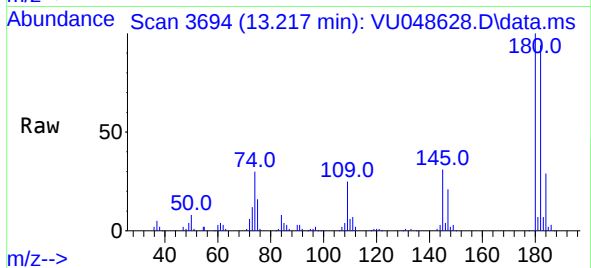
Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

184 29.9 23.4 35.2

145 30.8 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 42.242 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU048628.D

Acq: 19 May 2022 12:41

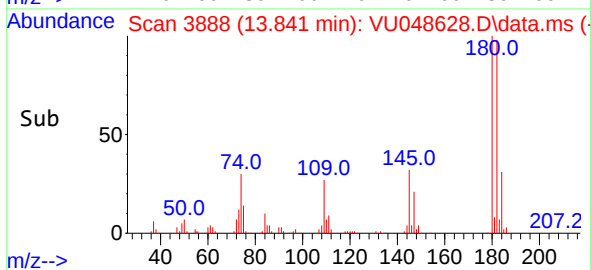
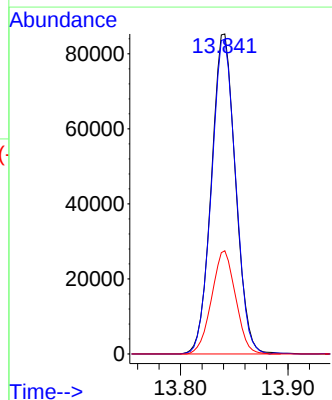
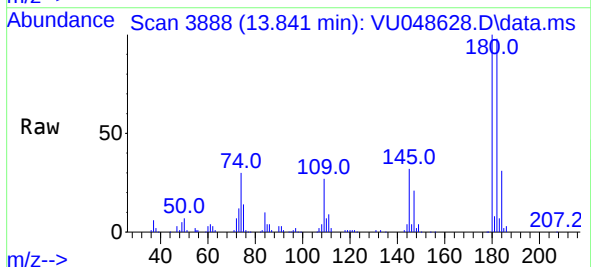
Tgt Ion:180 Resp: 132874

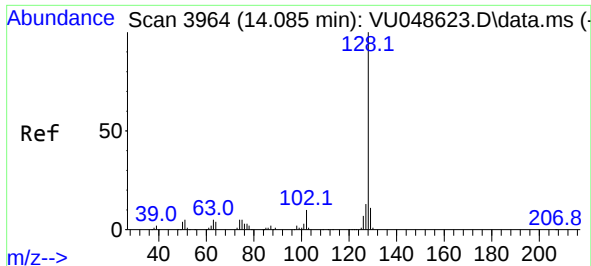
Ion Ratio Lower Upper

180 100

182 98.2 75.8 113.8

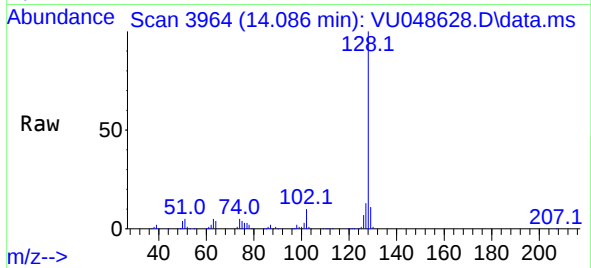
145 32.0 24.9 37.3





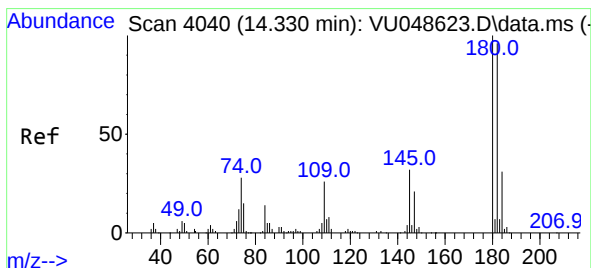
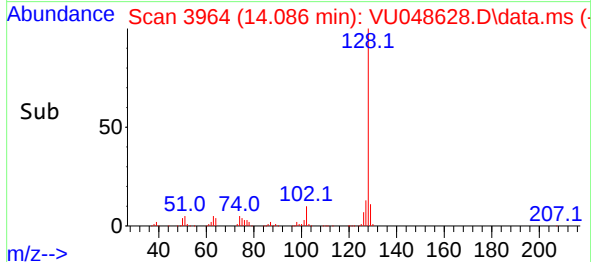
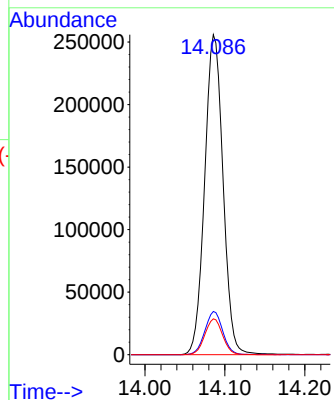
#71
Naphthalene
Concen: 39.463 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Instrument :
MSVOA_U
ClientSampleId :
EXXX3MS



Tgt Ion:128 Resp: 409306

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 43.707 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048628.D
Acq: 19 May 2022 12:41

Tgt Ion:180 Resp: 138035

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
145	33.4	27.1	40.7

