

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053838.D
 Acq On : 24 Apr 2023 12:39
 Operator : JC/MD
 Sample : VSTD02023
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

Quant Time: Apr 25 04:23:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:21:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	154086	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	150751	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	86538	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	189352	18.586	ug/L	0.00
7) Chloroethane-d5	1.916	69	156878	17.265	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	79830	18.718	ug/L	0.00
20) 2-Butanone-d5	4.629	46	375334	168.176	ug/L	0.00
24) Chloroform-d	5.057	84	364475	19.361	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	168279	17.724	ug/L	0.00
32) Benzene-d6	5.723	84	718818	17.520	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	217738	17.589	ug/L	0.00
41) Toluene-d8	7.893	98	686684	17.871	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	91172	19.135	ug/L	0.00
46) 2-Hexanone-d5	8.629	63	347902	185.550	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	175953	17.421	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	259557	17.820	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	245770	21.977	ug/L	97
3) Chloromethane	1.520	50	228164	20.454	ug/L	98
5) Vinyl chloride	1.604	62	276591	21.783	ug/L	97
6) Bromomethane	1.861	94	178918	22.087	ug/L	95
8) Chloroethane	1.935	64	162354	22.021	ug/L	98
9) Trichlorofluoromethane	2.138	101	402789	21.363	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	234051	23.813	ug/L	99
12) 1,1-Dichloroethene	2.578	96	207793	23.355	ug/L	95
13) Acetone	2.649	43	286576	203.077	ug/L	97
14) Carbon disulfide	2.790	76	585553	22.610	ug/L	99
15) Methyl Acetate	2.954	43	63860	19.385	ug/L	95
16) Methylene chloride	3.044	84	226548	19.180	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	477061	22.544	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	211425	22.981	ug/L	93
19) 1,1-Dichloroethane	3.864	63	382560	22.565	ug/L	98
21) 2-Butanone	4.710	43	444237	202.996	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	239155	19.447	ug/L	97
23) Bromochloromethane	4.970	128	105295	23.459	ug/L	96
25) Chloroform	5.083	83	415944	23.587	ug/L	100
27) 1,2-Dichloroethane	5.787	62	235457	21.751	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	358352	23.398	ug/L	98
30) Cyclohexane	5.385	56	340000	21.483	ug/L	99
31) Carbon tetrachloride	5.520	117	321121	24.247	ug/L	98
33) Benzene	5.771	78	888400	21.476	ug/L	100
34) Trichloroethene	6.536	95	249876	22.616	ug/L	98
35) Methylcyclohexane	6.758	83	404761	21.890	ug/L	98
37) 1,2-Dichloropropane	6.784	63	227858	21.187	ug/L	99
38) Bromodichloromethane	7.102	83	281852	23.154	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	359987	22.796	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	1055422	205.693	ug/L	99
42) Toluene	7.964	91	976354	21.706	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	292139	22.739	ug/L	98

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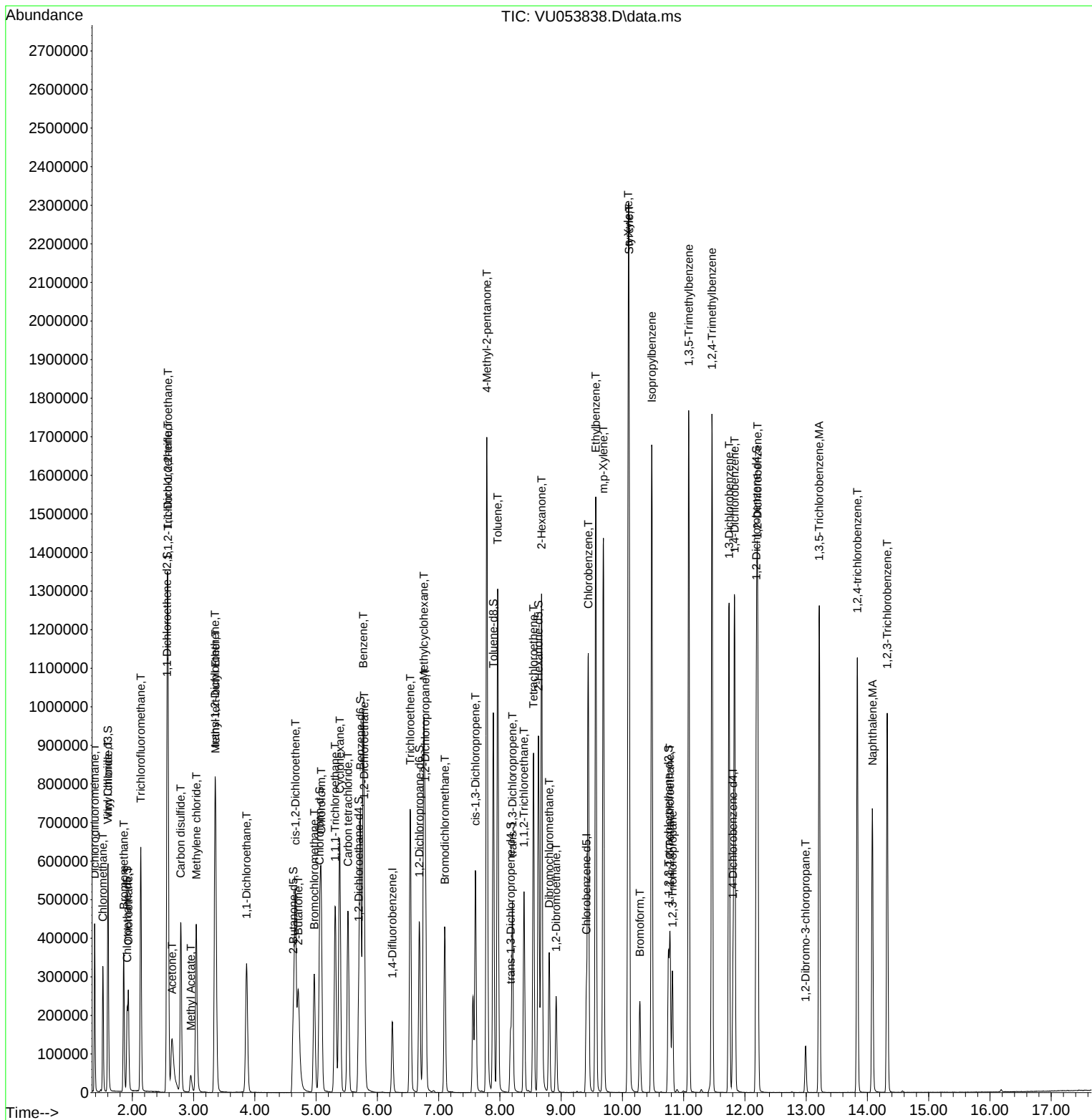
Quant Time: Apr 25 04:23:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
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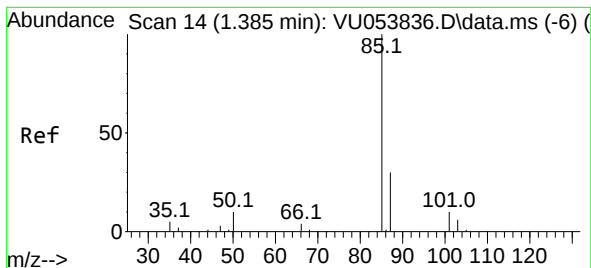
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.395	97	169169	21.937	ug/L	98
47) Tetrachloroethene	8.549	164	192683	23.300	ug/L	98
48) 2-Hexanone	8.681	43	785139	208.228	ug/L	98
49) Dibromochloromethane	8.806	129	189050	24.470	ug/L	100
50) 1,2-Dibromoethane	8.919	107	163571	22.178	ug/L #	100
51) Chlorobenzene	9.443	112	642731	22.624	ug/L	99
52) Ethylbenzene	9.565	91	1106346	22.691	ug/L	99
53) m,p-Xylene	9.690	106	431940	23.214	ug/L	97
54) o-Xylene	10.095	106	421737	23.841	ug/L	97
55) Styrene	10.108	104	707100	24.272	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	200451	21.068	ug/L	99
59) Bromoform	10.285	173	106460	23.372	ug/L	98
60) Isopropylbenzene	10.481	105	1135123	21.634	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	133211	19.008	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	952879	22.512	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	982680	22.706	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	531934	22.576	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	535077	22.676	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	497205	22.494	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	30706	22.269	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	394970	23.919	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	345383	26.384	ug/L	99
71) Naphthalene	14.082	128	608406	25.237	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	301810	26.403	ug/L	98

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

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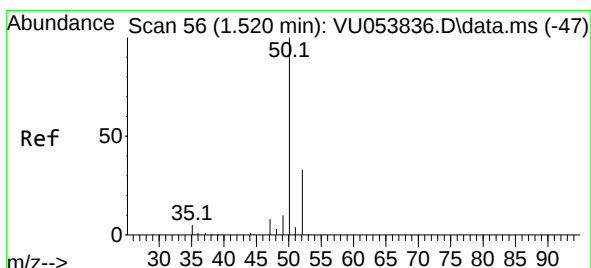
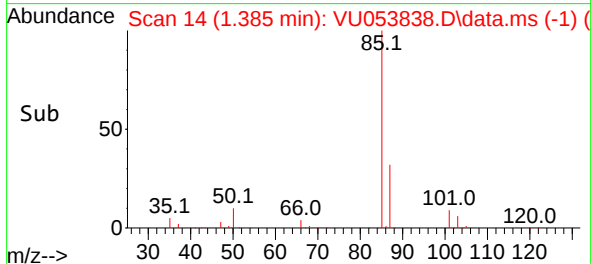
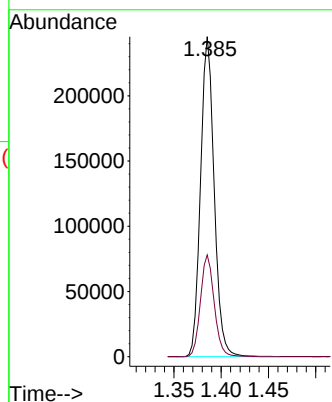
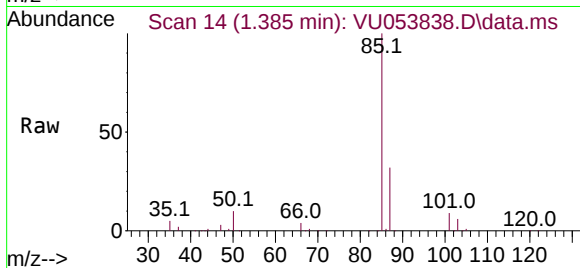




#2
Dichlorodifluoromethane
Concen: 21.977 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

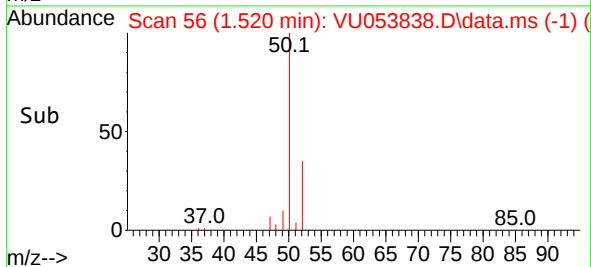
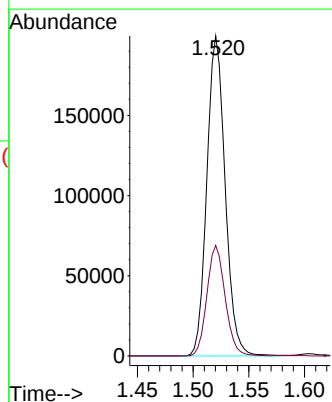
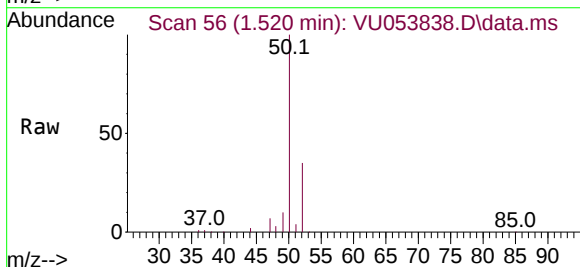
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

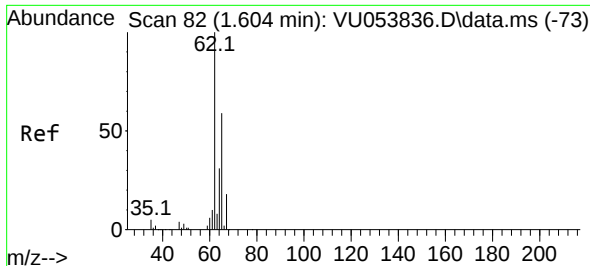
Tgt Ion: 85 Resp: 245770
Ion Ratio Lower Upper
85 100
87 32.1 24.5 36.7



#3
Chloromethane
Concen: 20.454 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 50 Resp: 228164
Ion Ratio Lower Upper
50 100
52 34.6 23.4 43.6

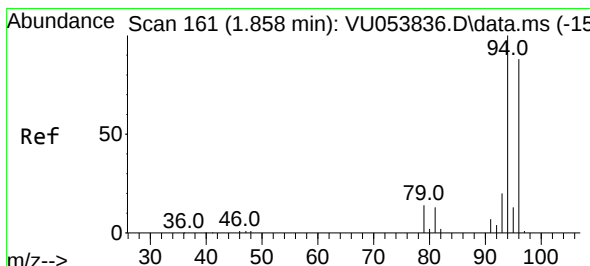
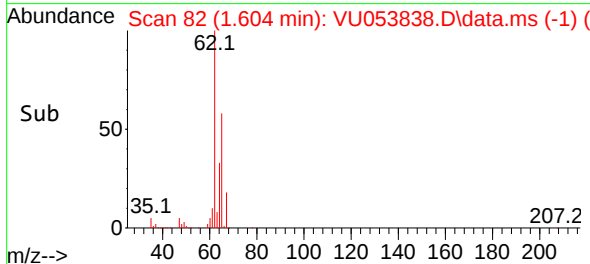
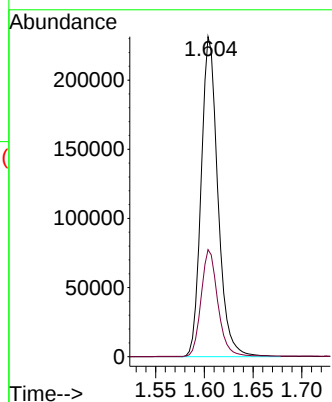
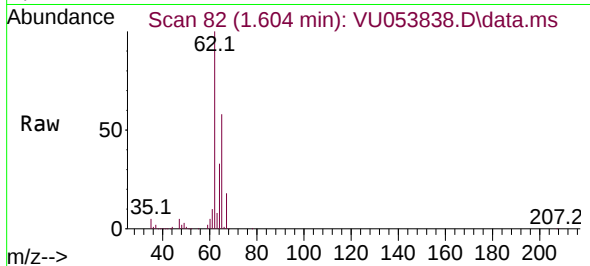




#5
 Vinyl chloride
 Concen: 21.783 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

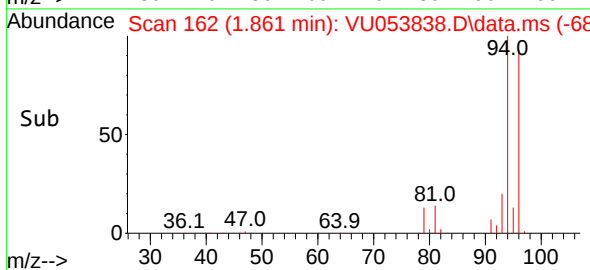
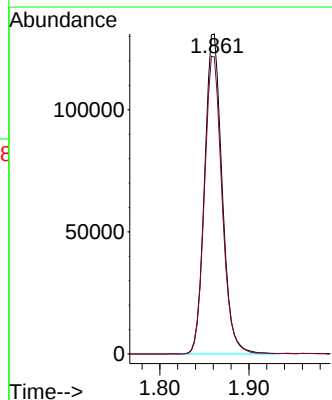
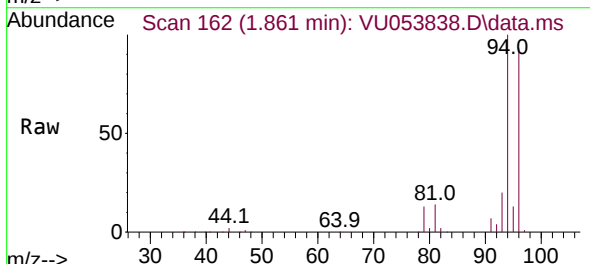
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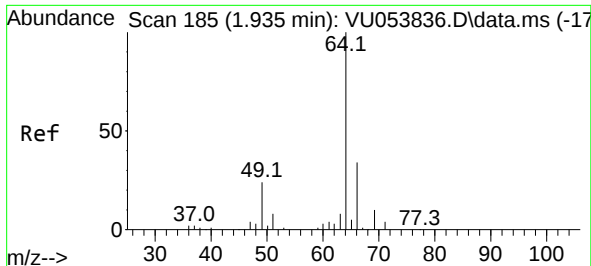
Tgt Ion: 62 Resp: 276591
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.4 41.6



#6
 Bromomethane
 Concen: 22.087 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

Tgt Ion: 94 Resp: 178918
 Ion Ratio Lower Upper
 94 100
 96 92.8 61.9 114.9





#8

Chloroethane

Concen: 22.021 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

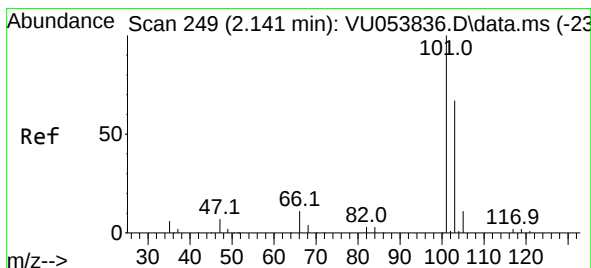
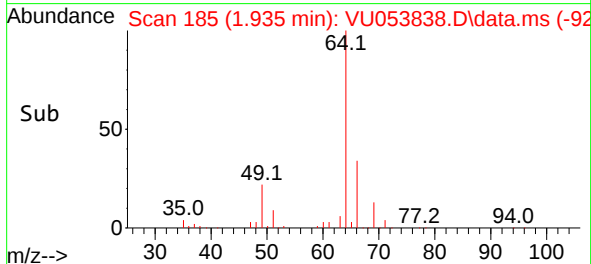
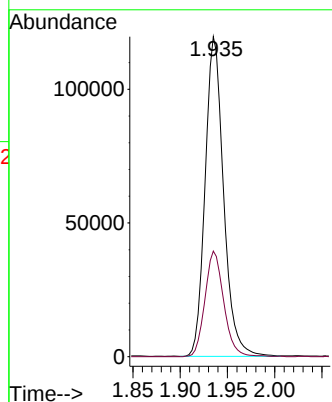
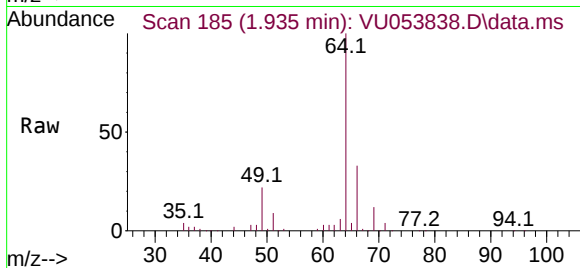
VSTD020023

Tgt Ion: 64 Resp: 162354

Ion Ratio Lower Upper

64 100

66 33.0 23.8 44.2



#9

Trichlorofluoromethane

Concen: 21.363 ug/L

RT: 2.138 min Scan# 248

Delta R.T. -0.003 min

Lab File: VU053838.D

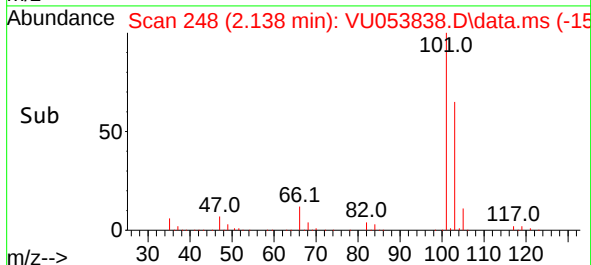
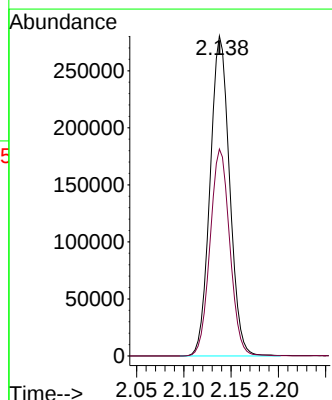
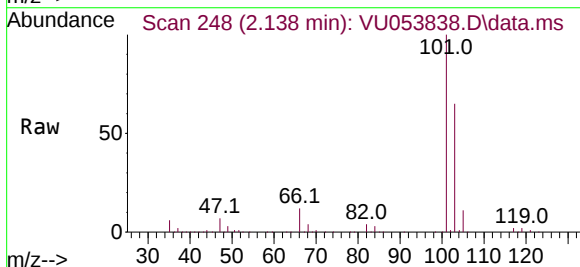
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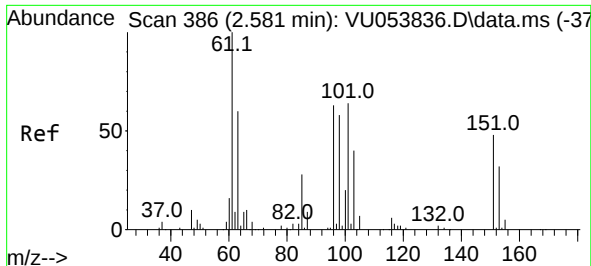
Tgt Ion:101 Resp: 402789

Ion Ratio Lower Upper

101 100

103 65.2 52.6 78.8

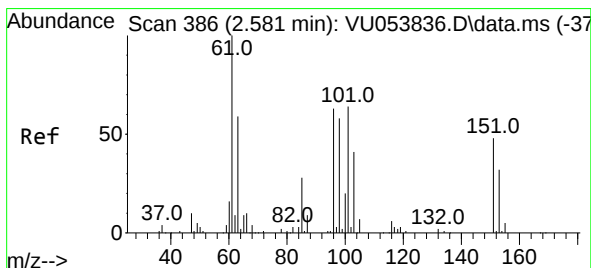
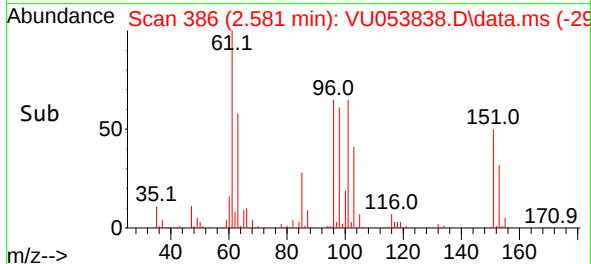
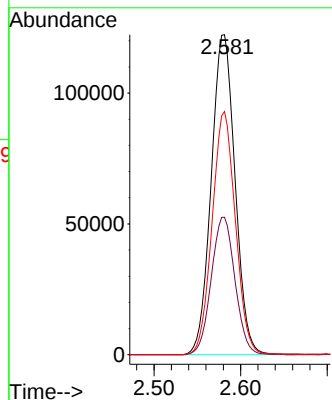
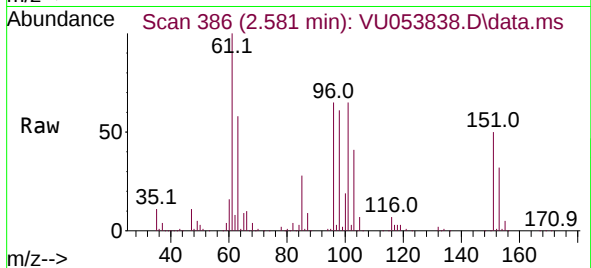




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.813 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

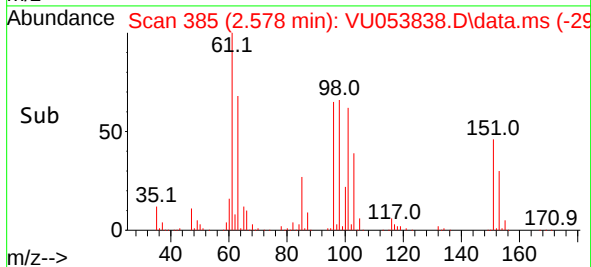
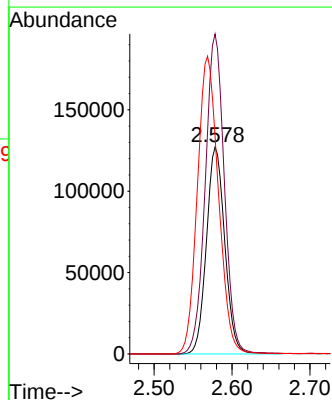
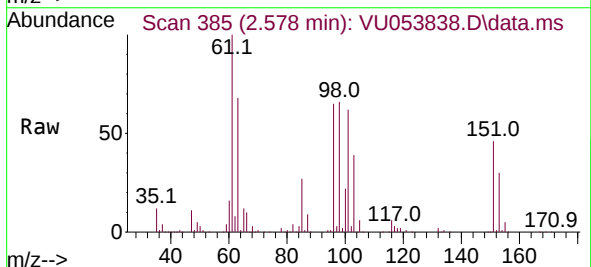
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ClientSampleId :
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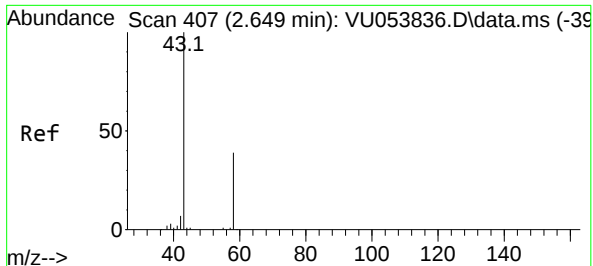
Tgt Ion:101 Resp: 234051
Ion Ratio Lower Upper
101 100
85 42.8 34.7 52.1
151 74.3 59.1 88.7



#12
1,1-Dichloroethene
Concen: 23.355 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 96 Resp: 207793
Ion Ratio Lower Upper
96 100
61 154.7 111.5 207.1
63 105.2 68.7 127.7





#13

Acetone

Concen: 203.077 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

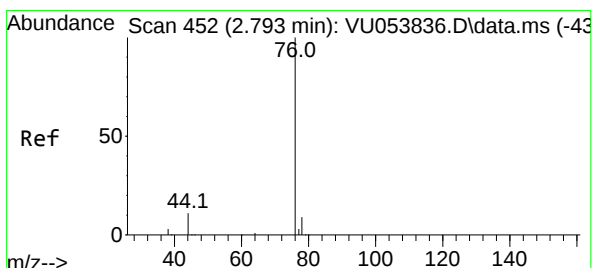
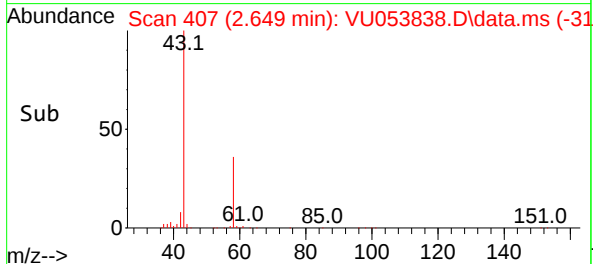
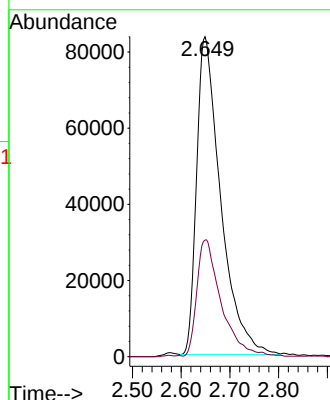
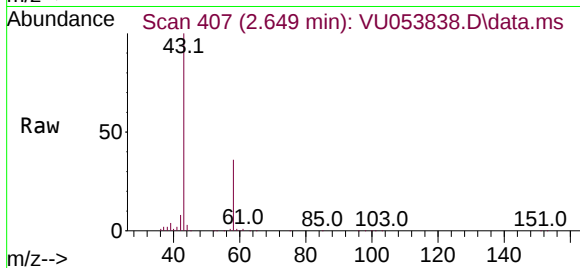
VSTD020023

Tgt Ion: 43 Resp: 286576

Ion Ratio Lower Upper

43 100

58 36.2 0.0 76.2



#14

Carbon disulfide

Concen: 22.610 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053838.D

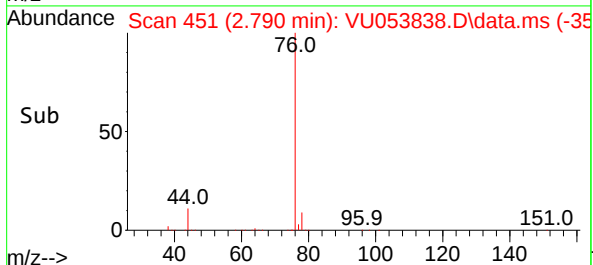
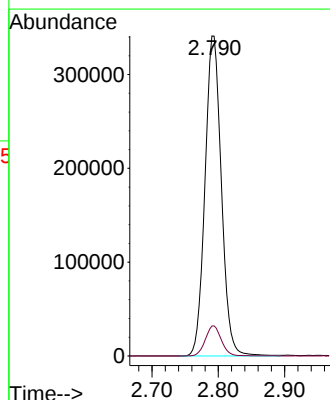
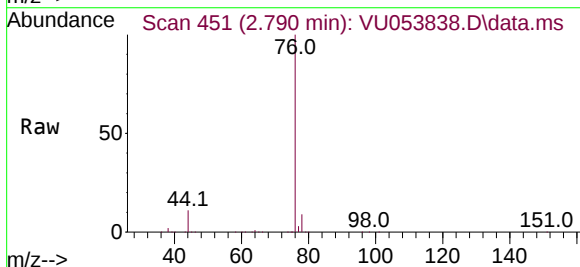
Acq: 24 Apr 2023 12:39

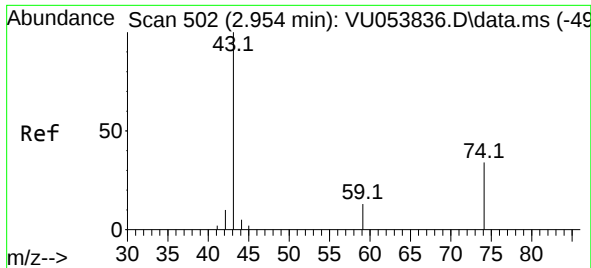
Tgt Ion: 76 Resp: 585553

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

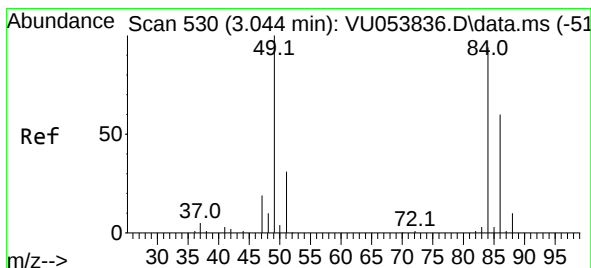
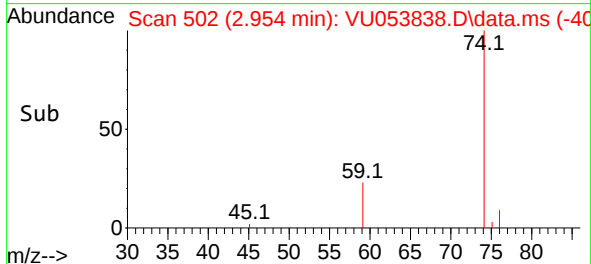
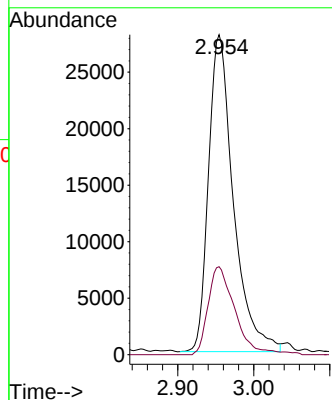
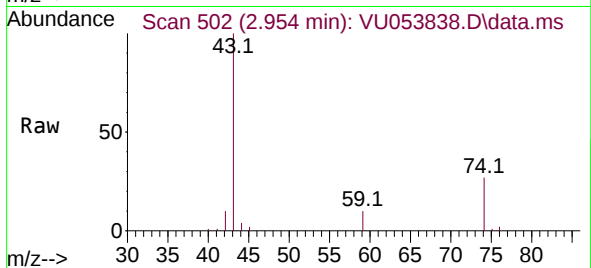




#15
Methyl Acetate
Concen: 19.385 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

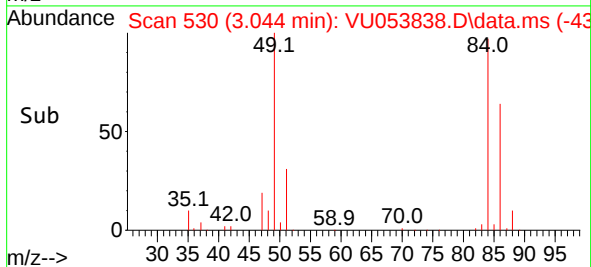
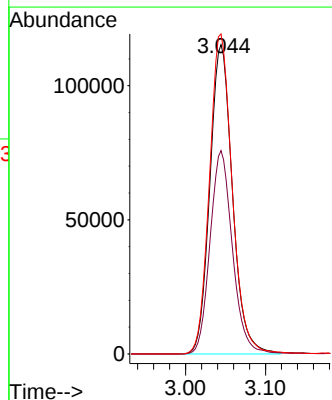
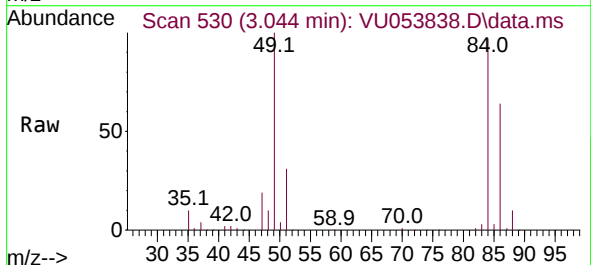
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

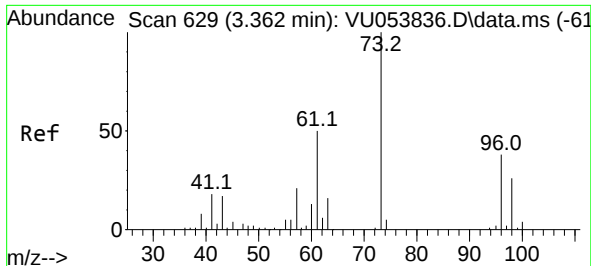
Tgt Ion: 43 Resp: 63860
Ion Ratio Lower Upper
43 100
74 30.0 22.0 33.0



#16
Methylene chloride
Concen: 19.180 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 84 Resp: 226548
Ion Ratio Lower Upper
84 100
86 65.7 45.0 83.6
49 103.5 74.8 138.8

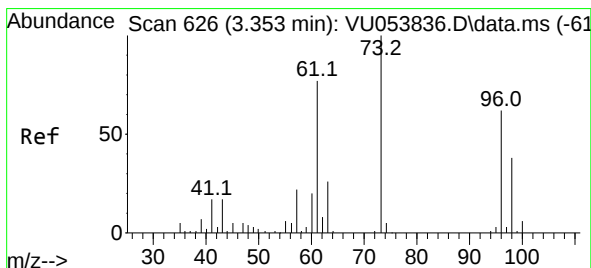
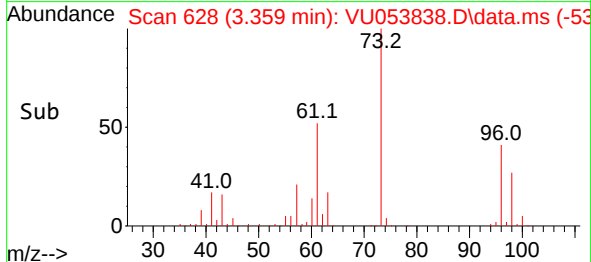
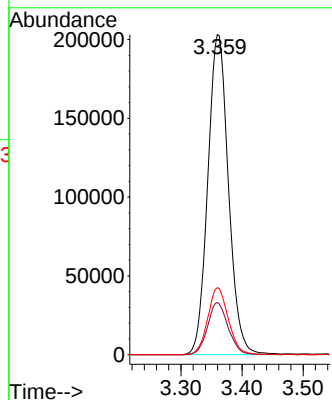
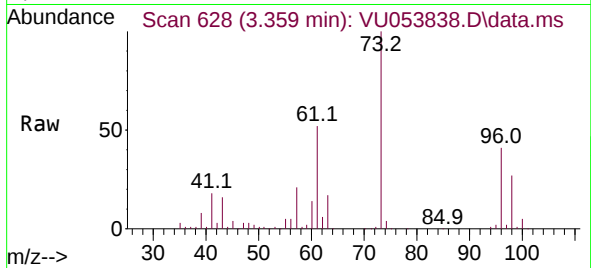




#17
Methyl tert-butyl Ether
Concen: 22.544 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

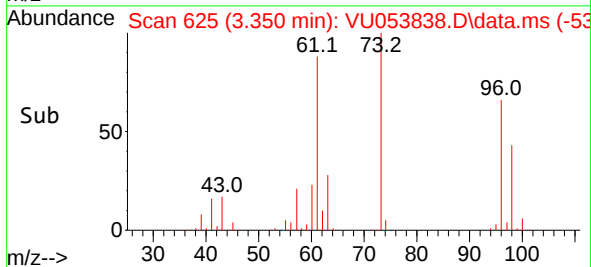
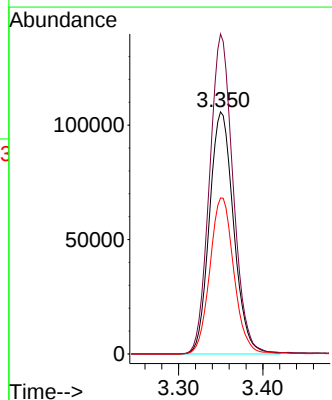
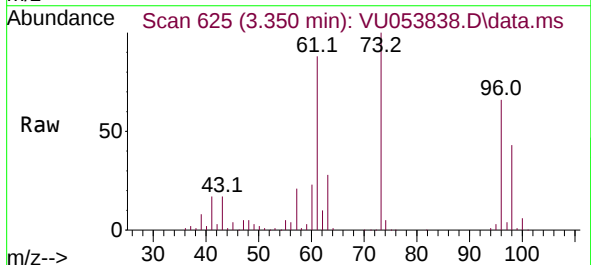
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

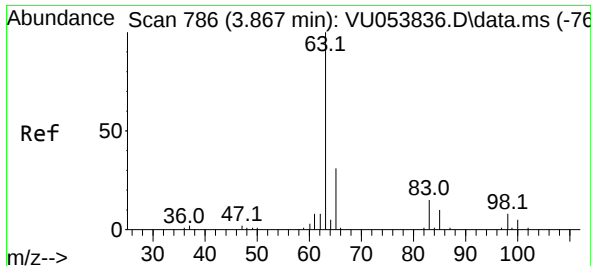
Tgt Ion: 73 Resp: 477061
Ion Ratio Lower Upper
73 100
43 16.3 13.4 20.2
57 20.9 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 22.981 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 96 Resp: 211425
Ion Ratio Lower Upper
96 100
61 132.2 86.2 160.0
98 64.4 42.8 79.4

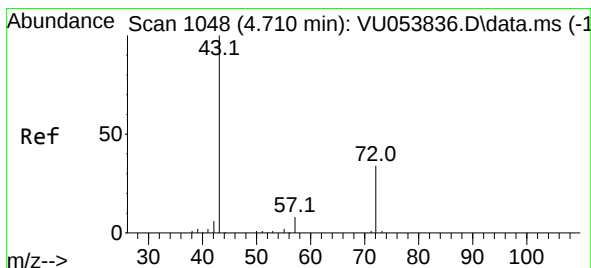
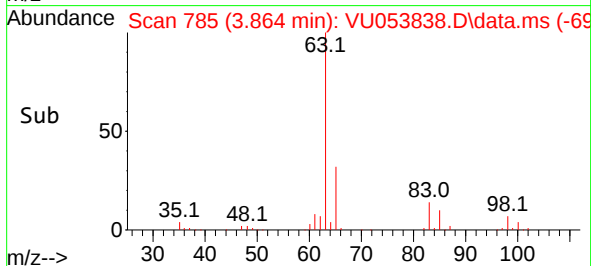
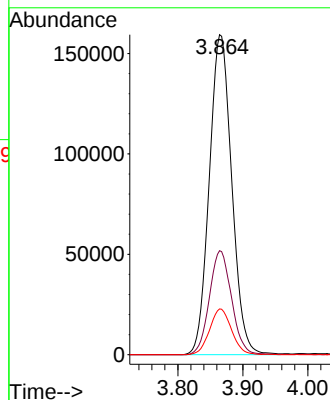
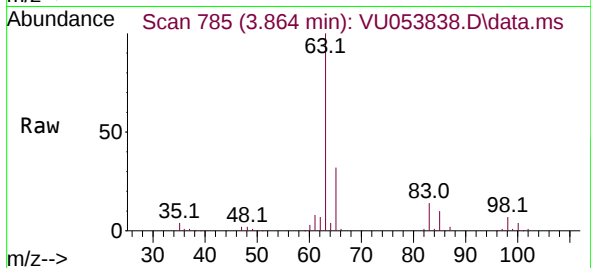




#19
1,1-Dichloroethane
Concen: 22.565 ug/L
RT: 3.864 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

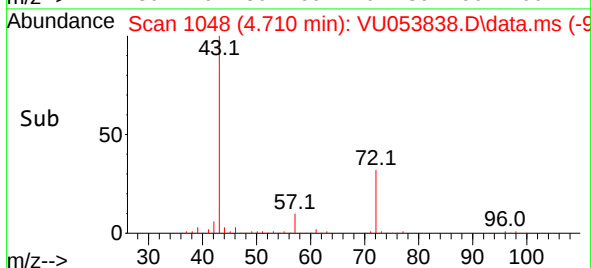
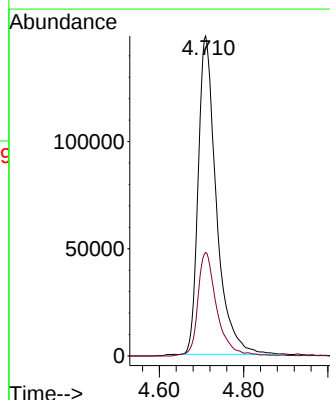
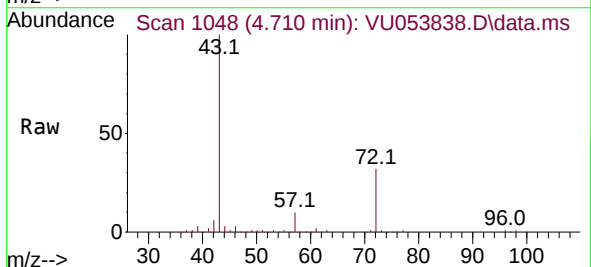
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

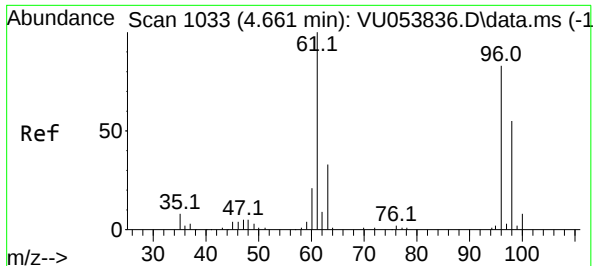
Tgt Ion: 63 Resp: 382560
Ion Ratio Lower Upper
63 100
65 32.5 22.0 40.8
83 14.3 10.3 19.1



#21
2-Butanone
Concen: 202.996 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 43 Resp: 444237
Ion Ratio Lower Upper
43 100
72 33.3 15.7 47.0

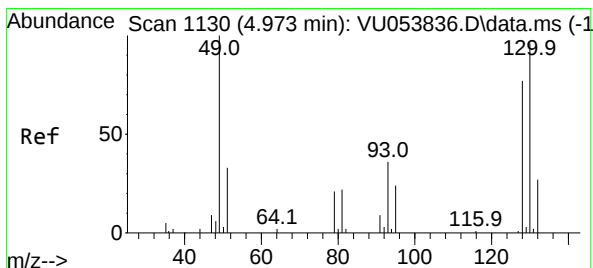
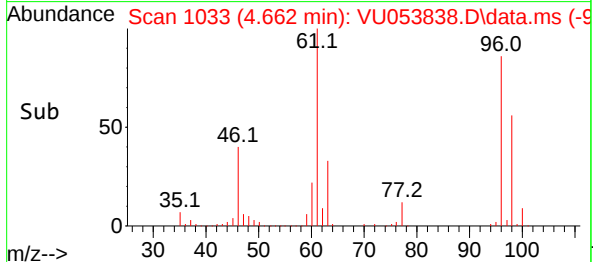
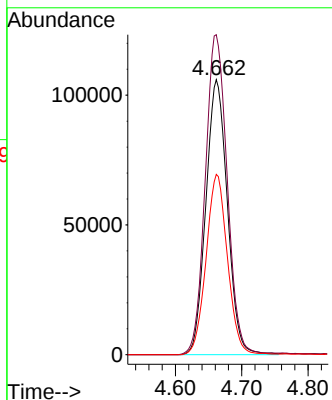
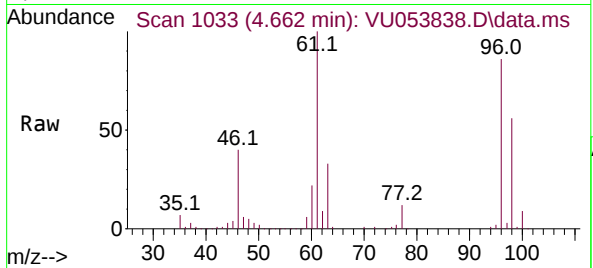




#22
 cis-1,2-Dichloroethene
 Concen: 19.447 ug/L
 RT: 4.662 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

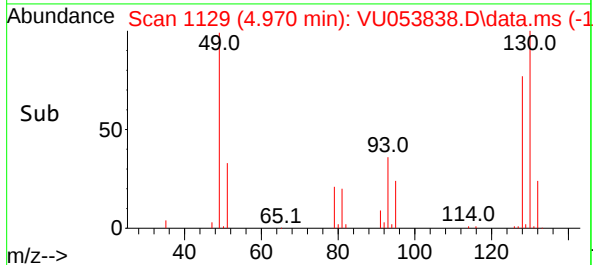
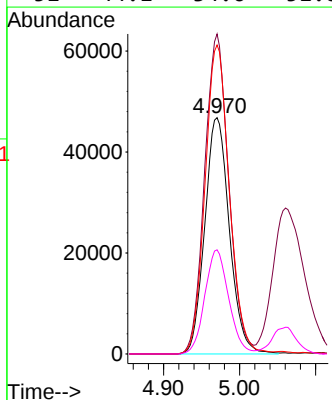
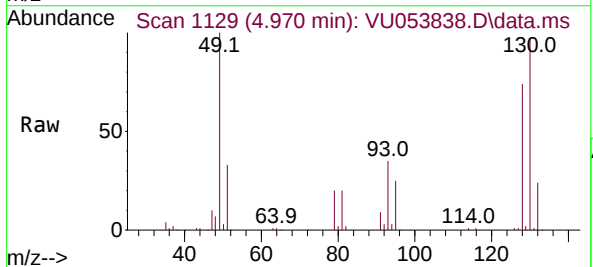
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

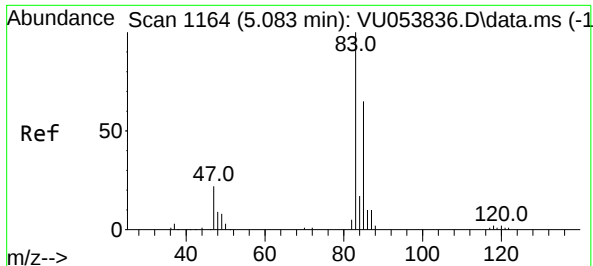
Tgt Ion: 96 Resp: 239155
 Ion Ratio Lower Upper
 96 100
 61 116.4 84.3 156.5
 98 65.6 46.4 86.2



#23
 Bromochloromethane
 Concen: 23.459 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

Tgt Ion: 128 Resp: 105295
 Ion Ratio Lower Upper
 128 100
 49 135.4 91.3 169.5
 130 130.7 87.6 162.8
 51 44.1 34.6 51.8





#25

Chloroform

Concen: 23.587 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

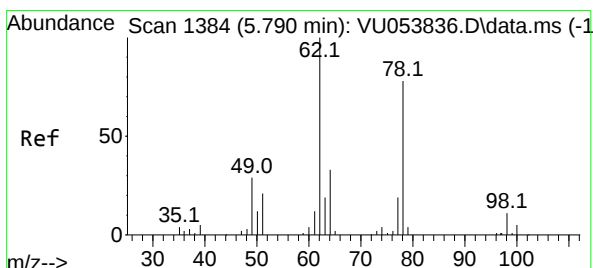
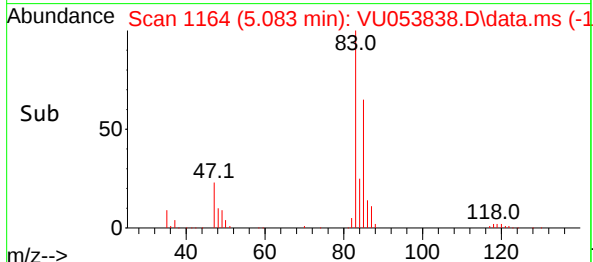
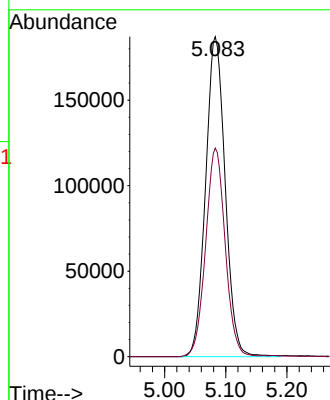
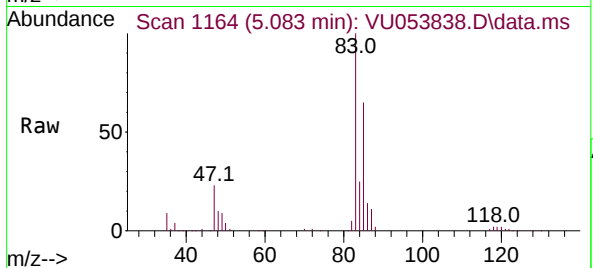
VSTD020023

Tgt Ion: 83 Resp: 415944

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8



#27

1,2-Dichloroethane

Concen: 21.751 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053838.D

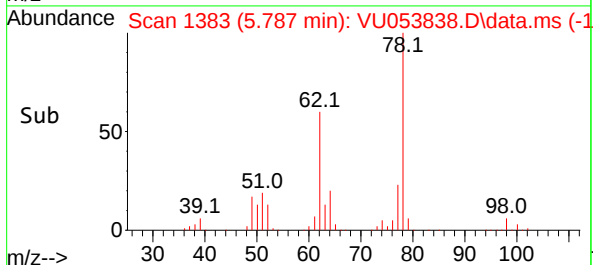
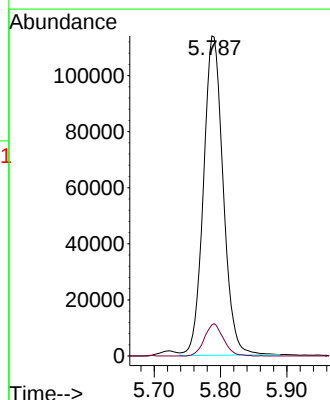
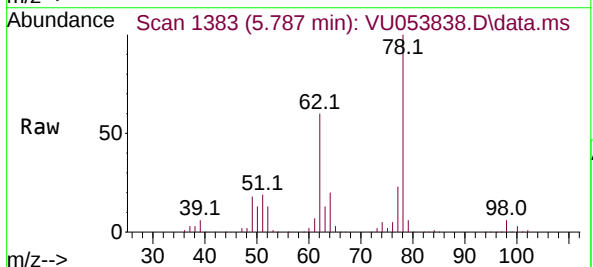
Acq: 24 Apr 2023 12:39

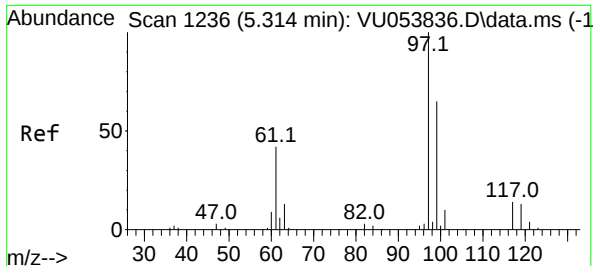
Tgt Ion: 62 Resp: 235457

Ion Ratio Lower Upper

62 100

98 9.7 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 23.398 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

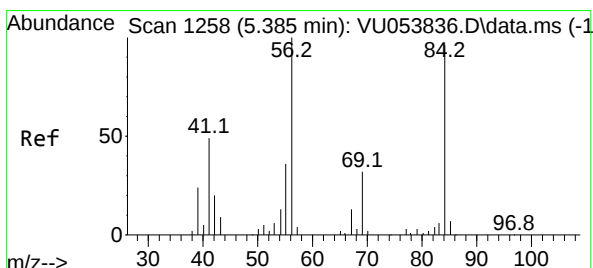
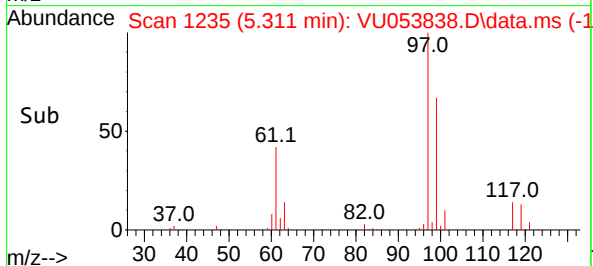
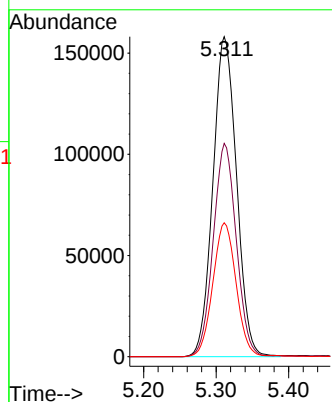
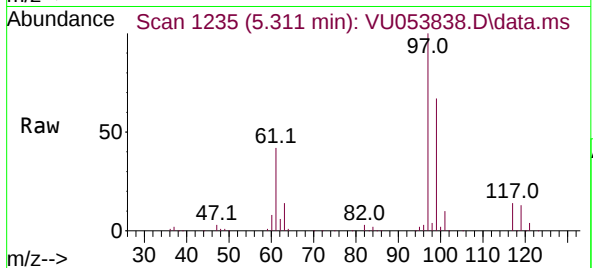
Tgt Ion: 97 Resp: 358352

Ion Ratio Lower Upper

97 100

99 65.1 52.9 79.3

61 41.1 33.8 50.8



#30

Cyclohexane

Concen: 21.483 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

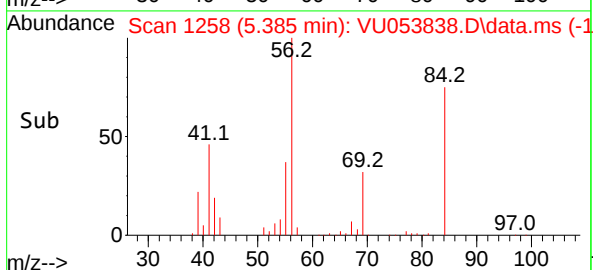
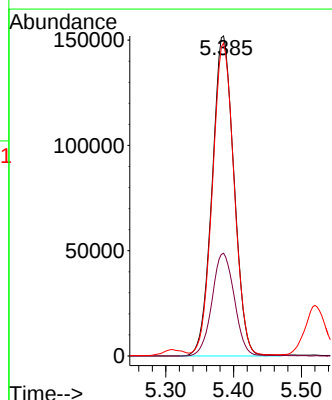
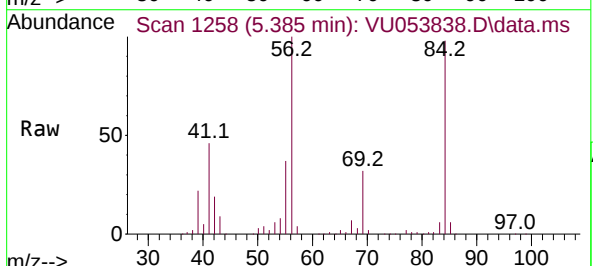
Tgt Ion: 56 Resp: 340000

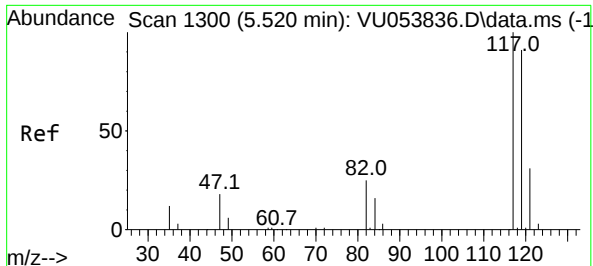
Ion Ratio Lower Upper

56 100

69 32.8 27.0 40.4

84 96.4 78.0 117.0

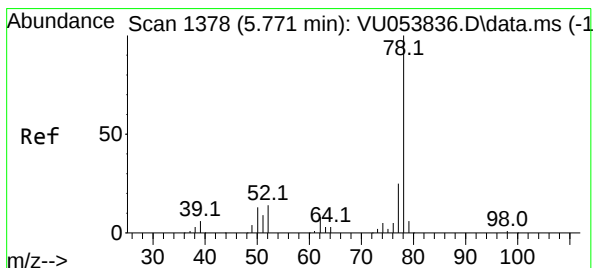
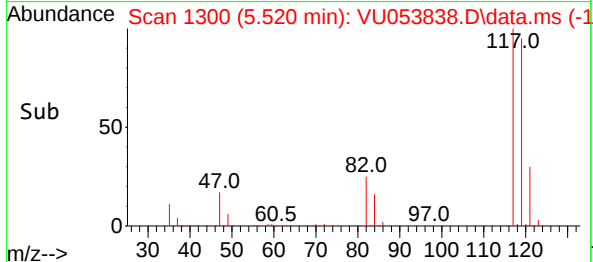
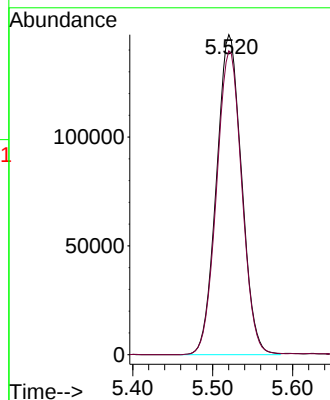
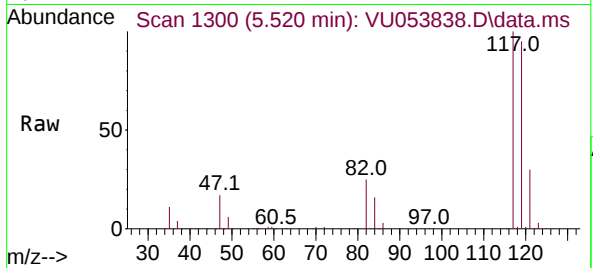




#31
Carbon tetrachloride
Concen: 24.247 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

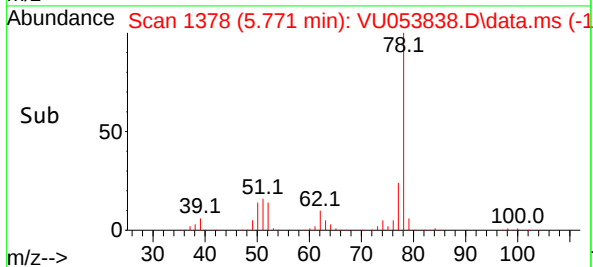
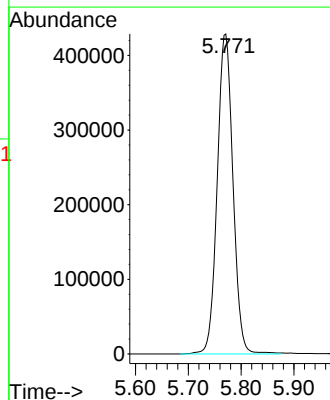
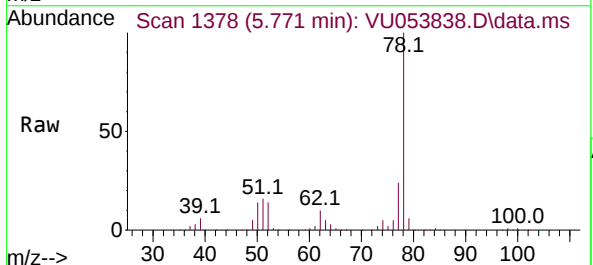
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

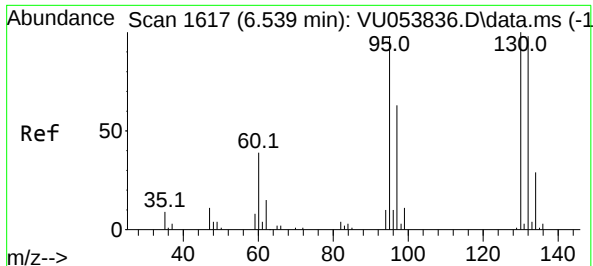
Tgt Ion:117 Resp: 321121
Ion Ratio Lower Upper
117 100
119 95.6 75.0 112.6



#33
Benzene
Concen: 21.476 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 78 Resp: 888400

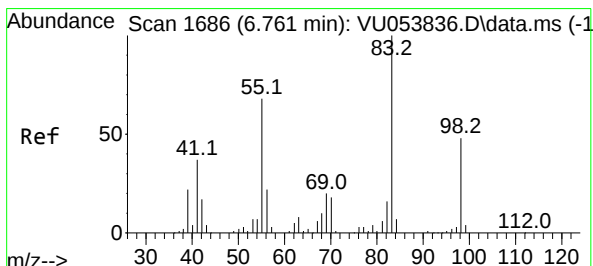
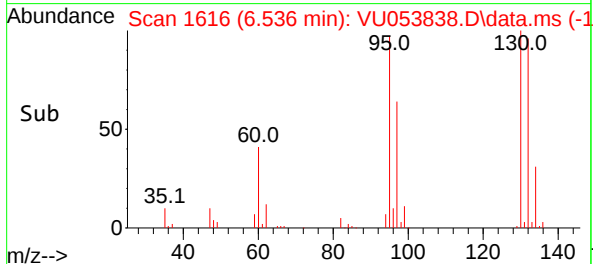
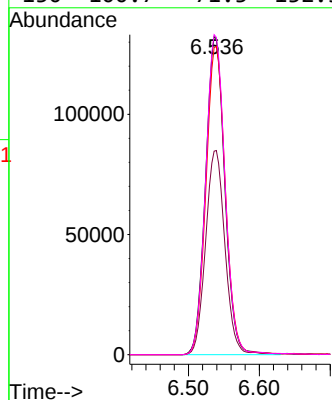
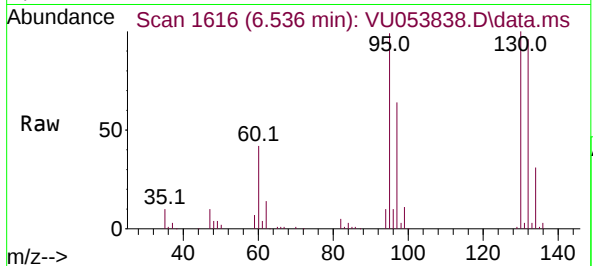




#34
Trichloroethene
Concen: 22.616 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

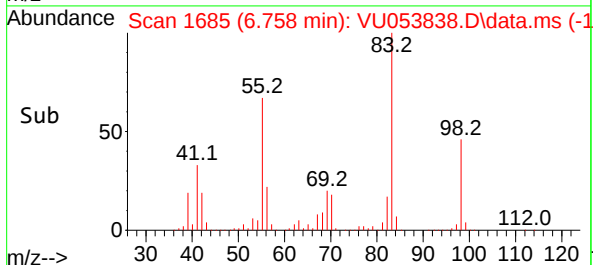
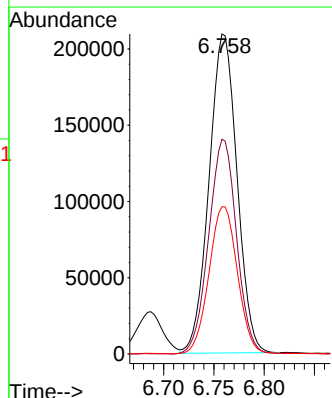
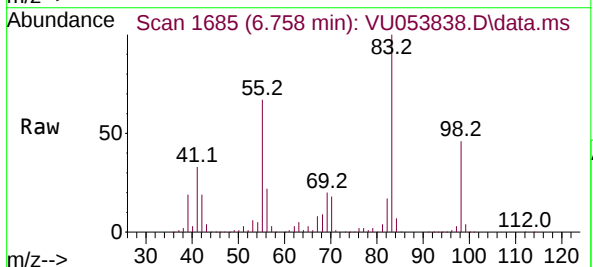
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

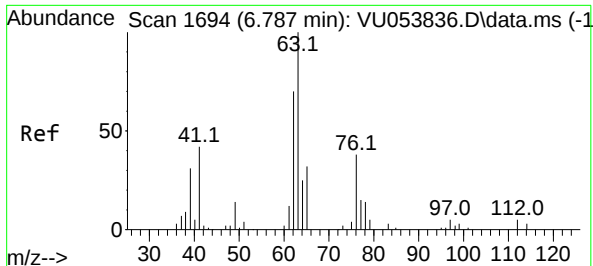
Tgt Ion: 95 Resp: 249876
Ion Ratio Lower Upper
95 100
97 64.0 45.1 83.9
132 96.6 69.9 129.9
130 100.7 71.3 132.3



#35
Methylcyclohexane
Concen: 21.890 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 83 Resp: 404761
Ion Ratio Lower Upper
83 100
55 67.1 55.4 83.2
98 46.9 37.3 55.9

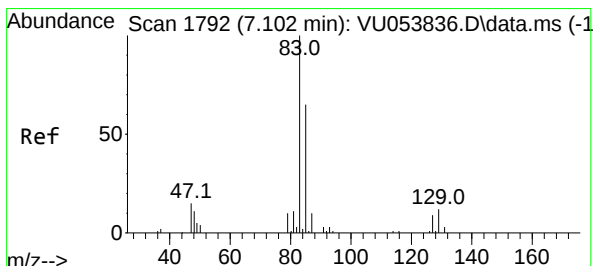
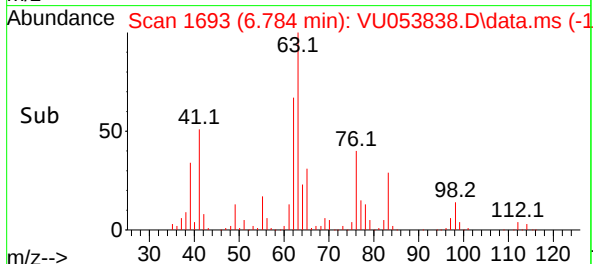
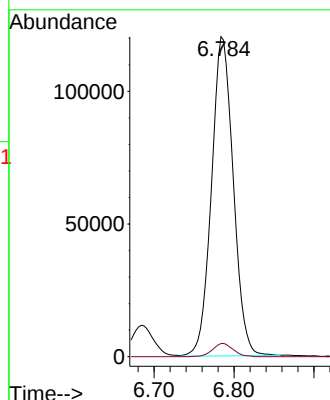
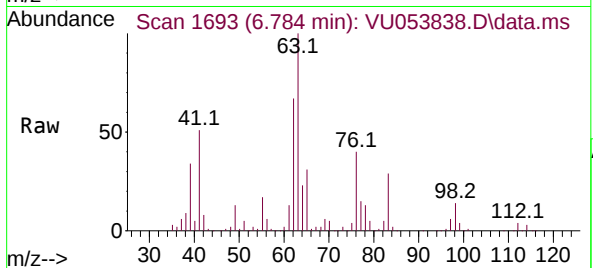




#37
1,2-Dichloropropane
Concen: 21.187 ug/L
RT: 6.784 min Scan# 1694
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

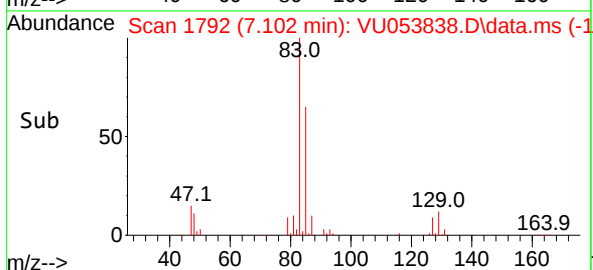
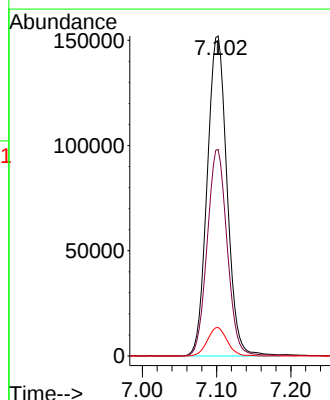
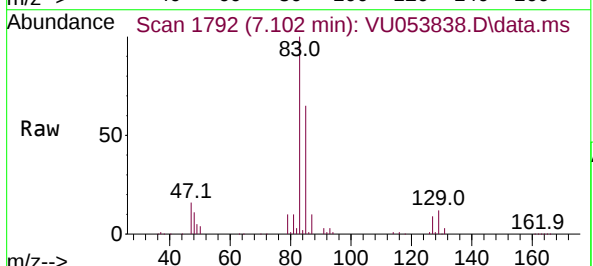
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

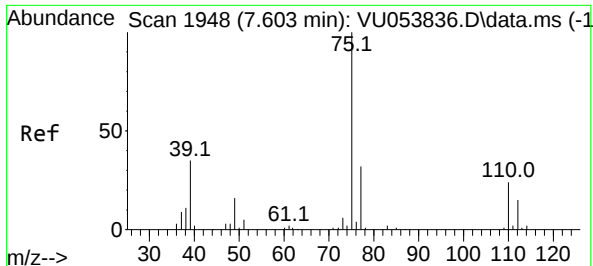
Tgt Ion: 63 Resp: 227858
Ion Ratio Lower Upper
63 100
112 3.9 3.5 5.3



#38
Bromodichloromethane
Concen: 23.154 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 83 Resp: 281852
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0
127 8.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 22.796 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

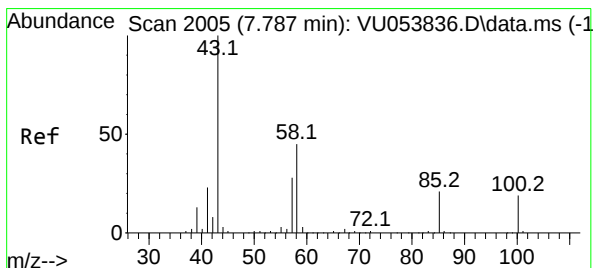
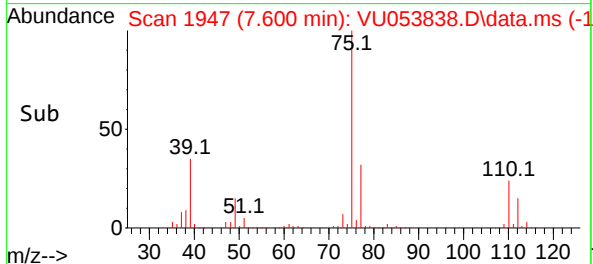
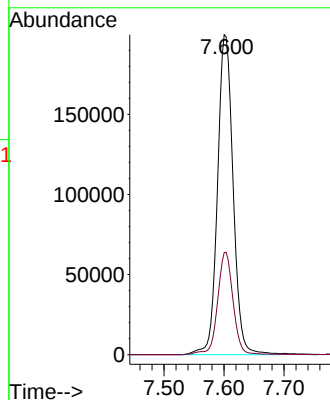
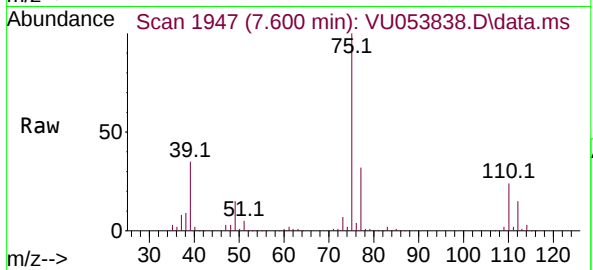
VSTD020023

Tgt Ion: 75 Resp: 359987

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 205.693 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

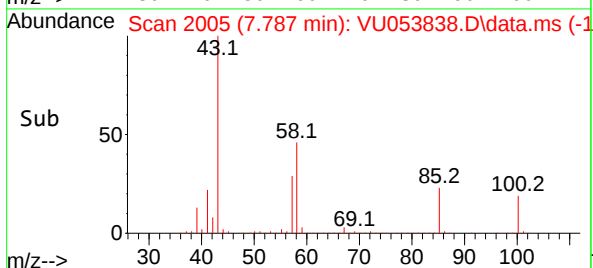
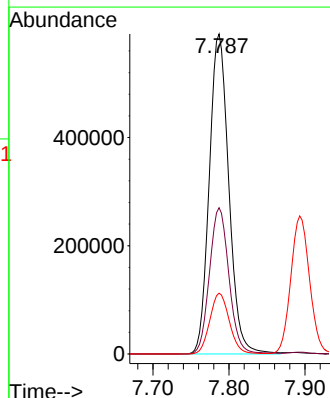
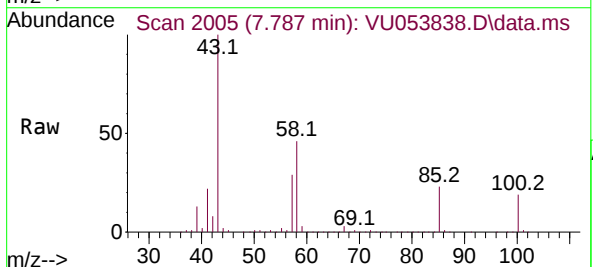
Tgt Ion: 43 Resp: 1055422

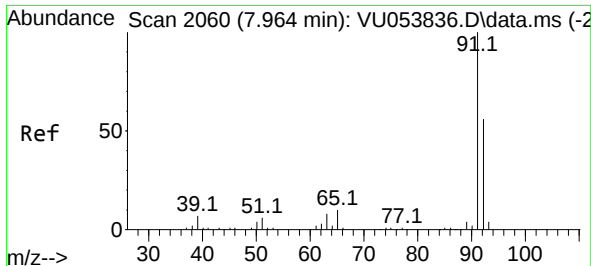
Ion Ratio Lower Upper

43 100

58 45.7 36.0 54.0

100 19.0 15.1 22.7





#42

Toluene

Concen: 21.706 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

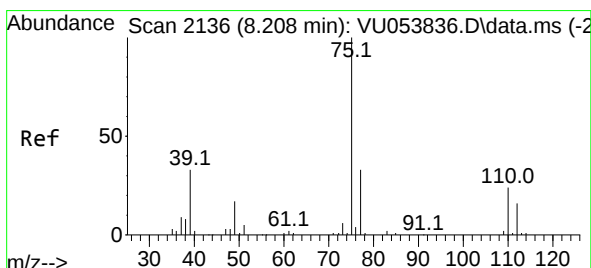
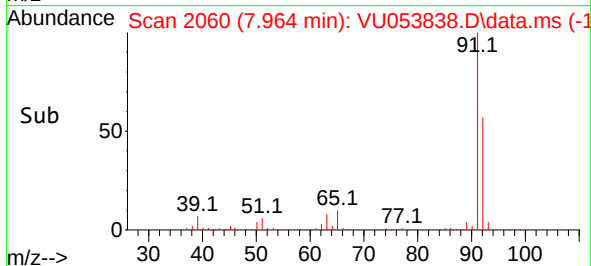
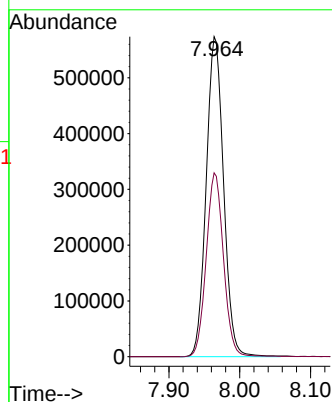
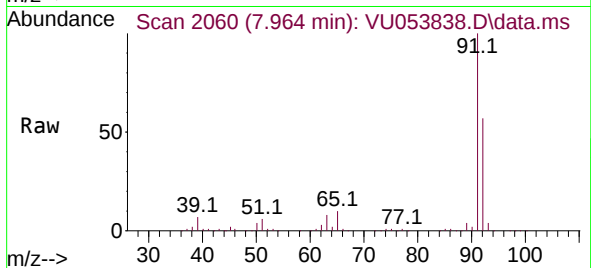
VSTD020023

Tgt Ion: 91 Resp: 976354

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 22.739 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053838.D

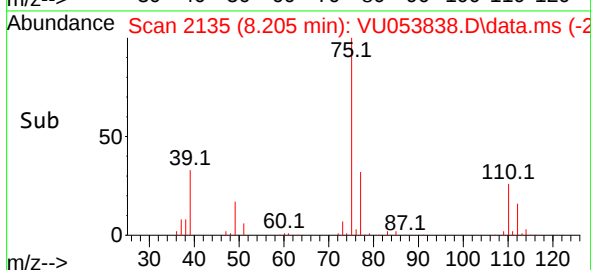
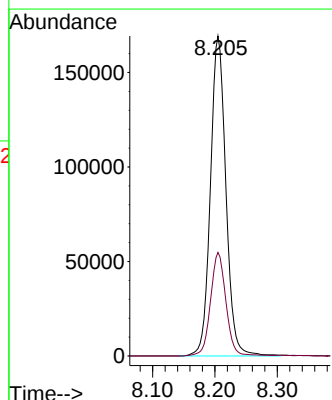
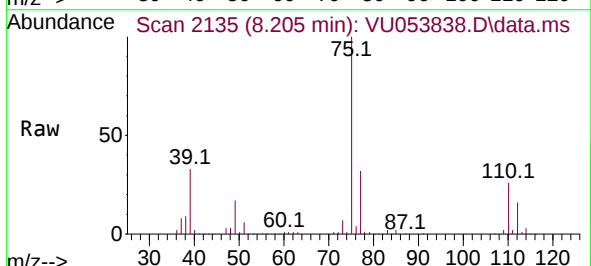
Acq: 24 Apr 2023 12:39

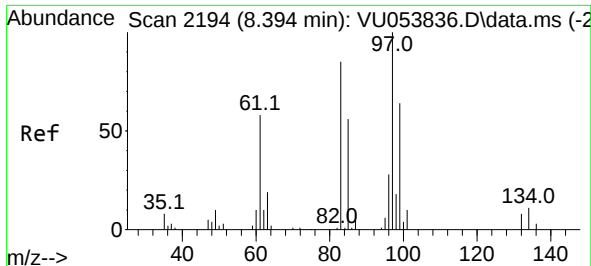
Tgt Ion: 75 Resp: 292139

Ion Ratio Lower Upper

75 100

77 32.4 23.3 43.3



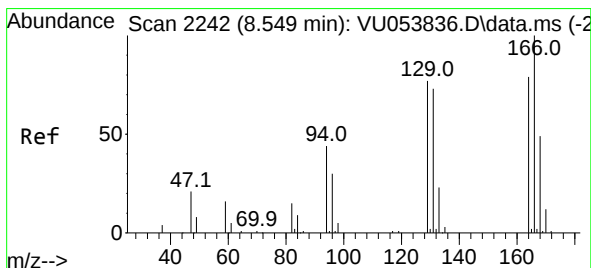
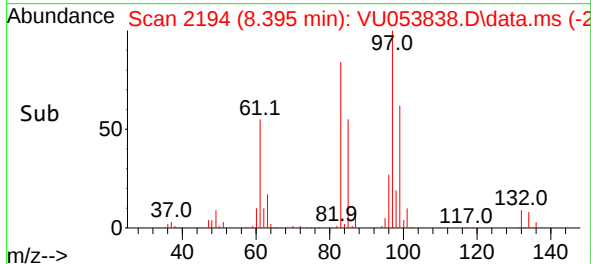
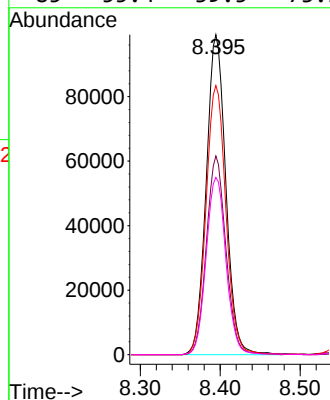
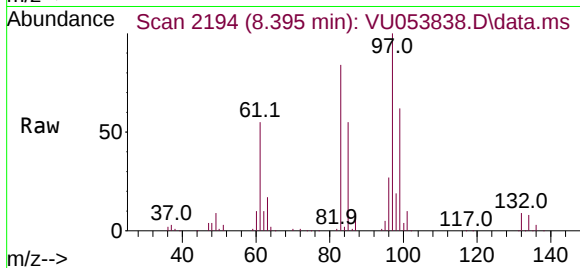


#45
1,1,2-Trichloroethane
Concen: 21.937 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

Tgt Ion: 97 Resp: 169169

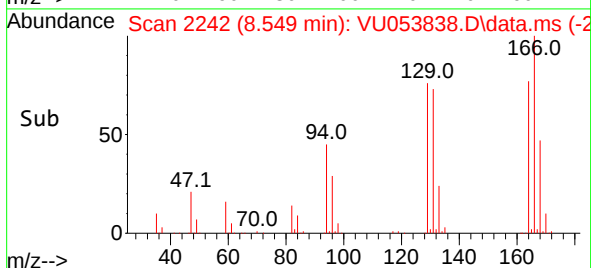
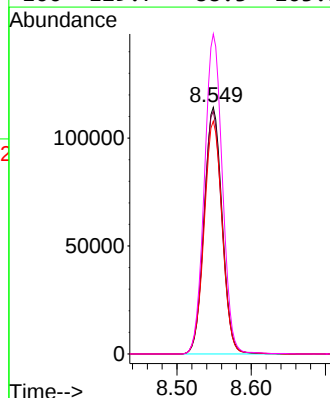
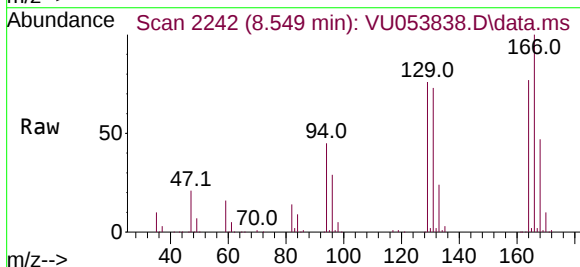
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.7	83.1
83	84.1	59.8	111.1
85	55.4	39.5	73.3

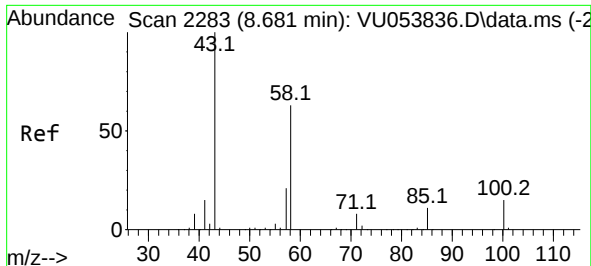


#47
Tetrachloroethene
Concen: 23.300 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion: 164 Resp: 192683

Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.3	126.8
131	94.4	64.4	119.6
166	129.7	88.3	163.9

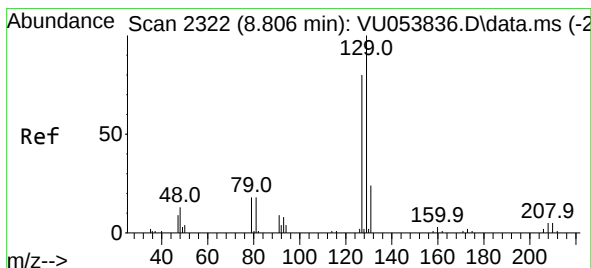
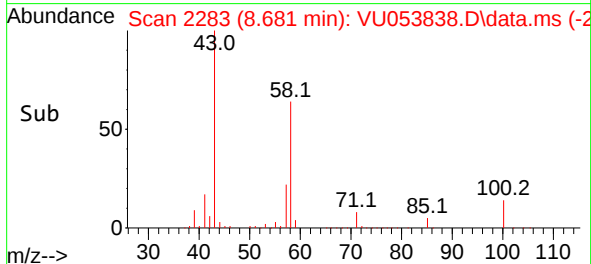
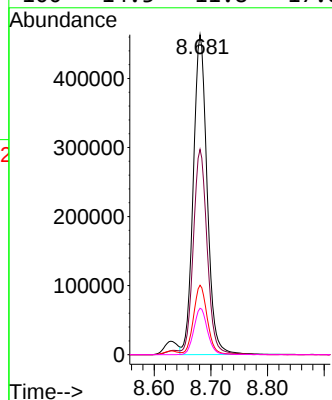
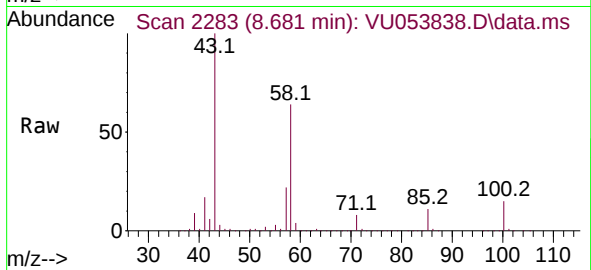




#48
2-Hexanone
Concen: 208.228 ug/L
RT: 8.681 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

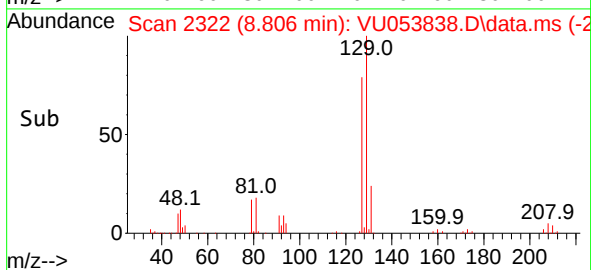
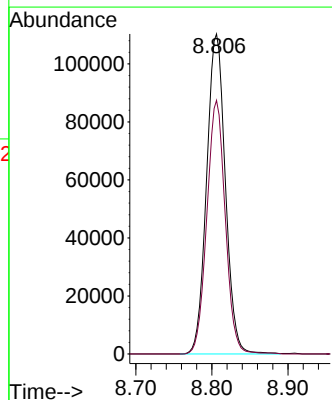
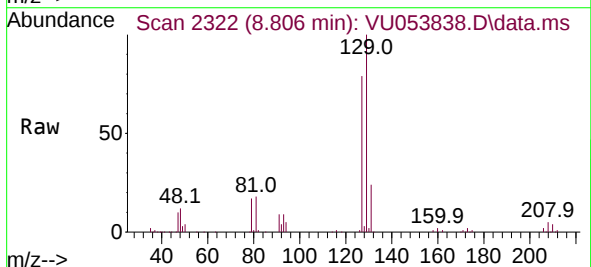
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

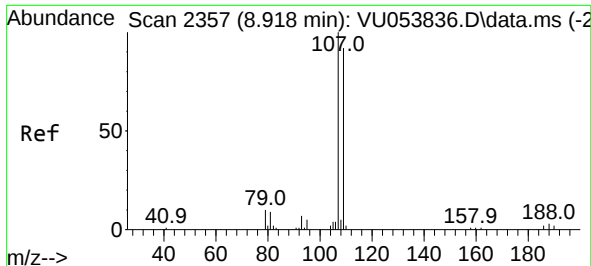
Tgt Ion:	43	Resp:	785139
Ion	Ratio	Lower	Upper
43	100		
58	64.3	49.8	74.6
57	21.3	16.9	25.3
100	14.3	11.8	17.8



#49
Dibromochloromethane
Concen: 24.470 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion:	129	Resp:	189050
Ion	Ratio	Lower	Upper
129	100		
127	79.3	55.7	103.5

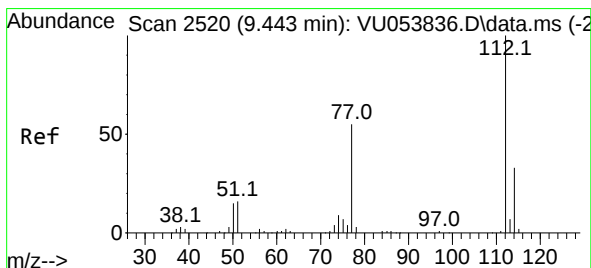
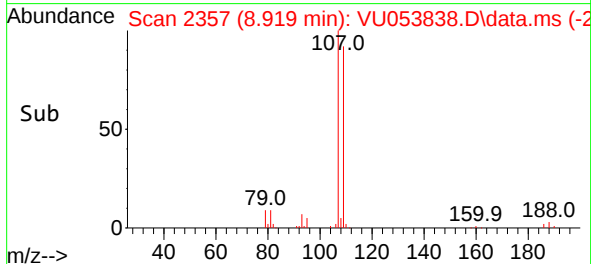
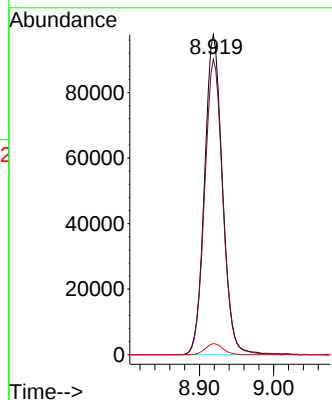
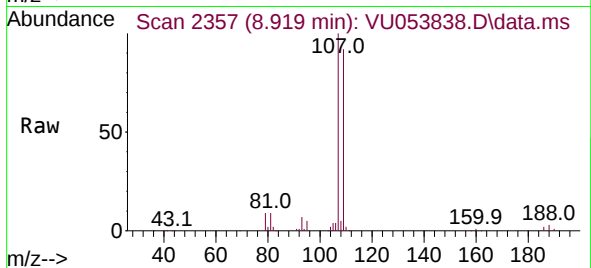




#50
1,2-Dibromoethane
Concen: 22.178 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

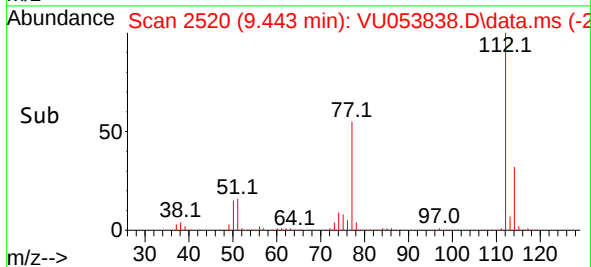
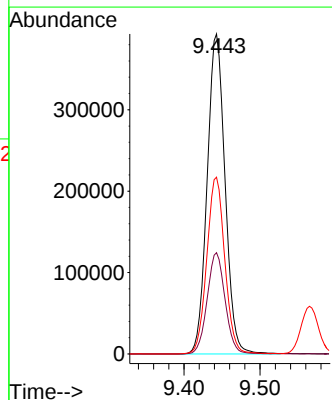
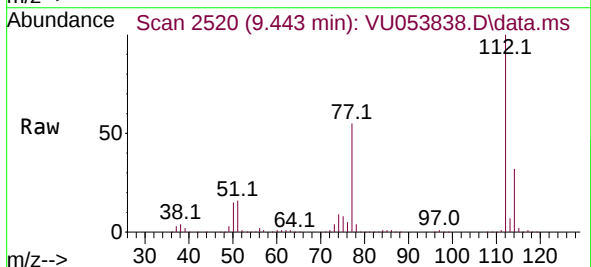
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

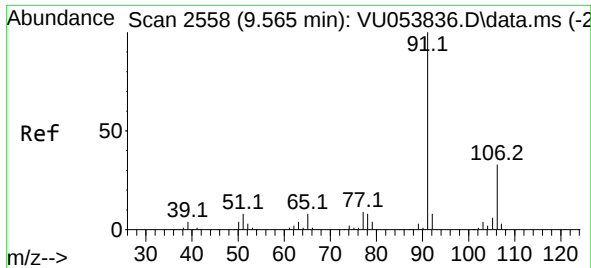
Tgt Ion:107 Resp: 163571
Ion Ratio Lower Upper
107 100
109 92.3 64.3 119.5
188 3.5 2.1 3.1#



#51
Chlorobenzene
Concen: 22.624 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion:112 Resp: 642731
Ion Ratio Lower Upper
112 100
114 31.6 23.0 42.6
77 55.2 44.4 66.6

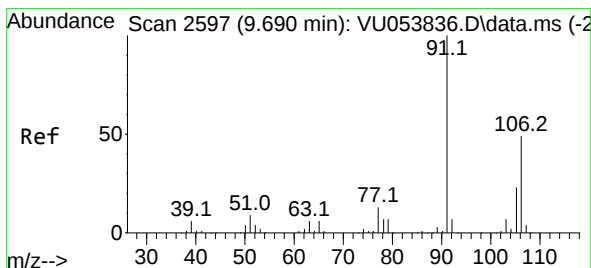
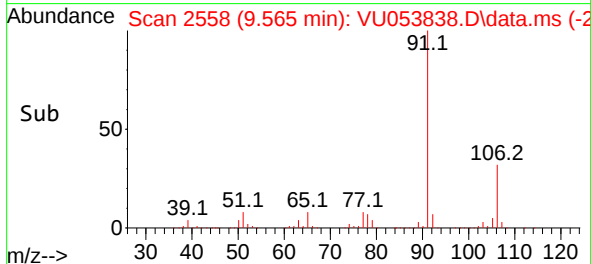
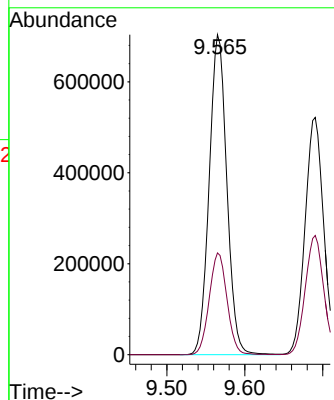
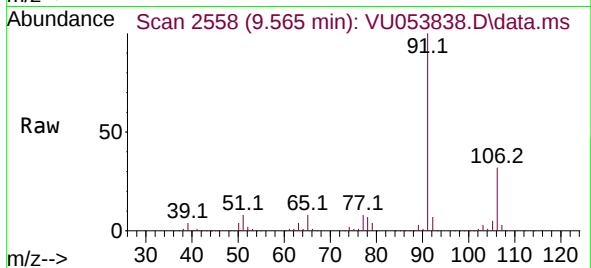




#52
Ethylbenzene
Concen: 22.691 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

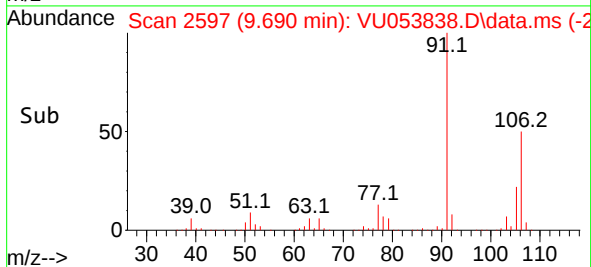
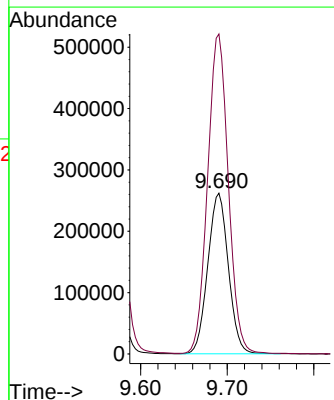
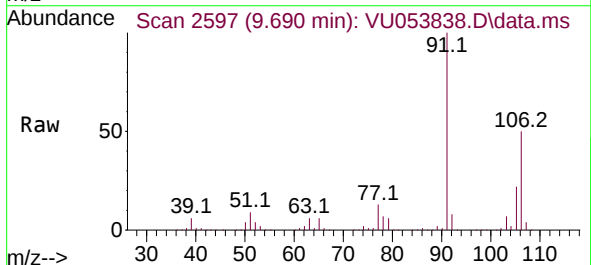
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

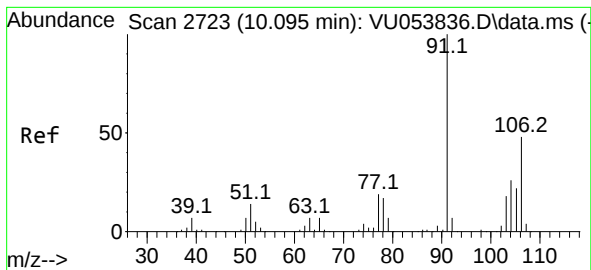
Tgt Ion: 91 Resp: 1106346
Ion Ratio Lower Upper
91 100
106 31.8 22.8 42.4



#53
m,p-Xylene
Concen: 23.214 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion:106 Resp: 431940
Ion Ratio Lower Upper
106 100
91 199.0 142.2 264.0





#54

o-Xylene

Concen: 23.841 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

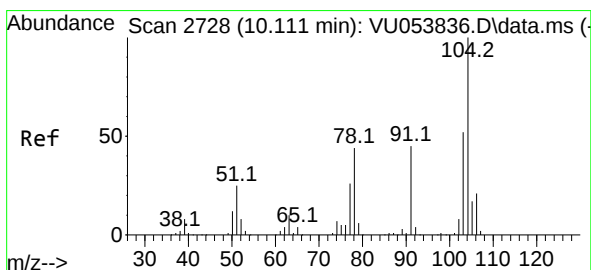
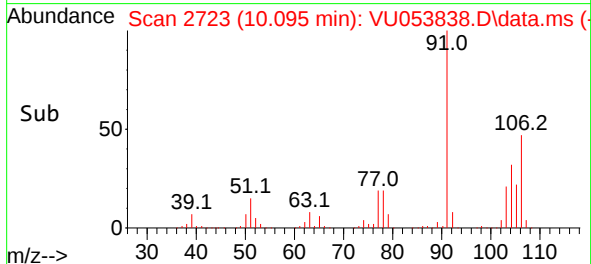
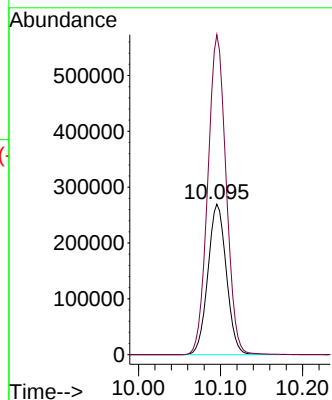
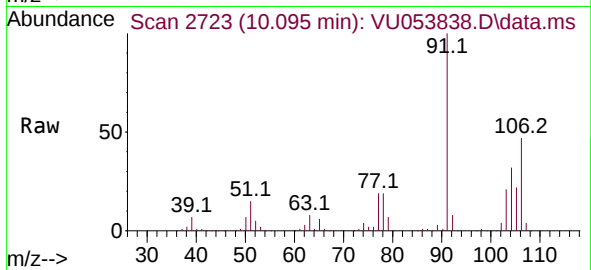
VSTD020023

Tgt Ion:106 Resp: 421737

Ion Ratio Lower Upper

106 100

91 212.5 145.5 270.1



#55

Styrene

Concen: 24.272 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU053838.D

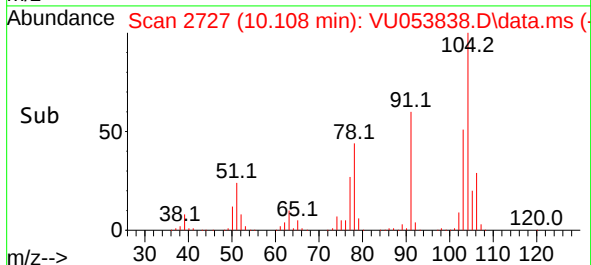
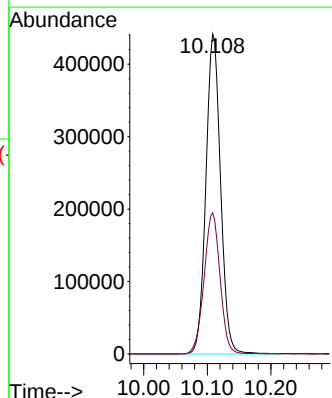
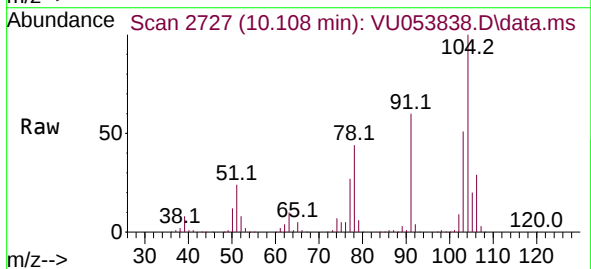
Acq: 24 Apr 2023 12:39

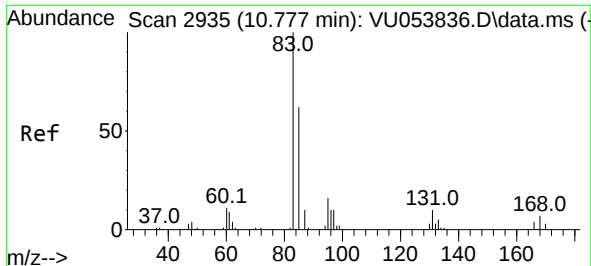
Tgt Ion:104 Resp: 707100

Ion Ratio Lower Upper

104 100

78 44.1 30.9 57.5

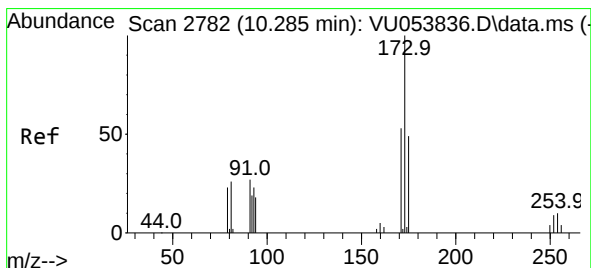
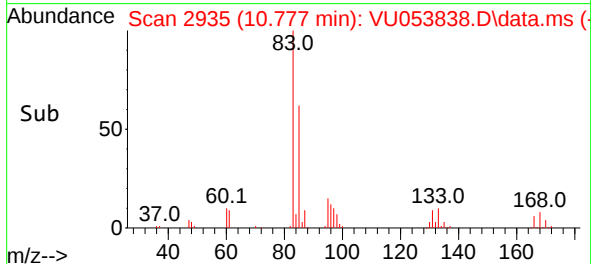
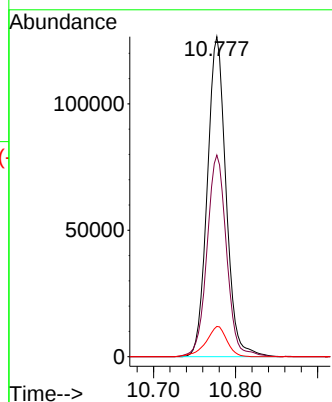
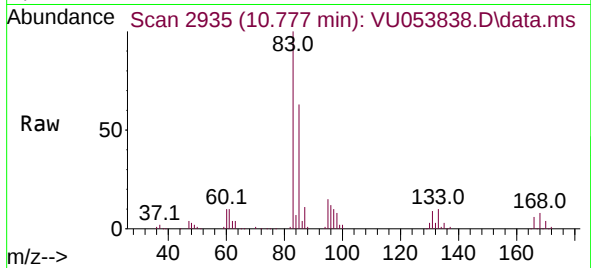




#57
1,1,2,2-Tetrachloroethane
Concen: 21.068 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

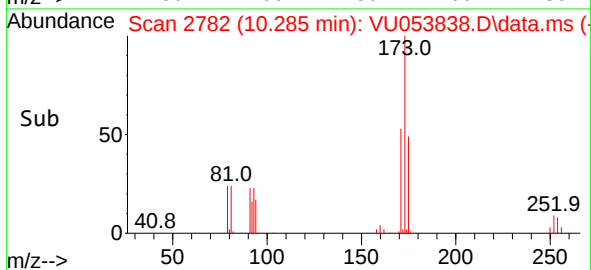
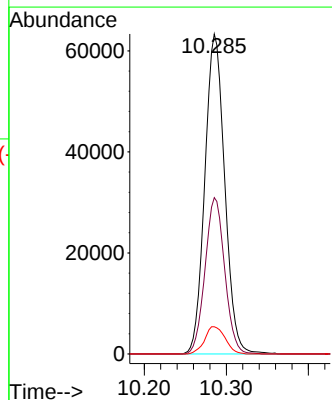
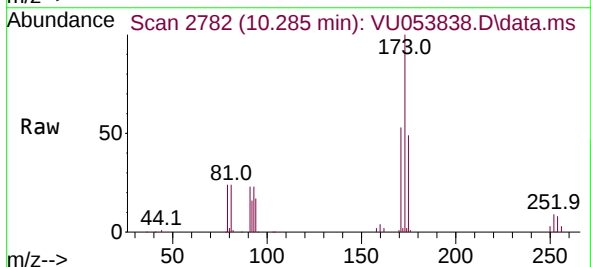
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

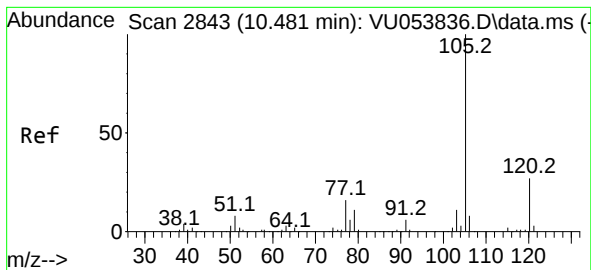
Tgt Ion: 83 Resp: 200451
Ion Ratio Lower Upper
83 100
85 63.0 43.5 80.9
131 9.5 7.8 11.6



#59
Bromoform
Concen: 23.372 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion:173 Resp: 106460
Ion Ratio Lower Upper
173 100
175 48.2 37.4 56.2
254 8.8 7.1 10.7





#60

Isopropylbenzene

Concen: 21.634 ug/L

RT: 10.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

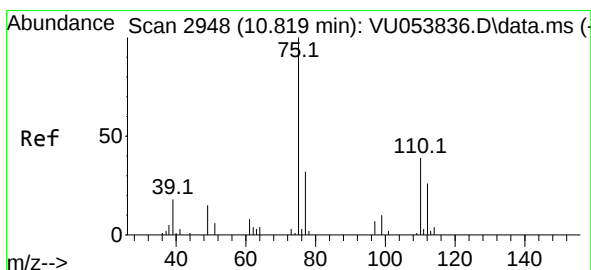
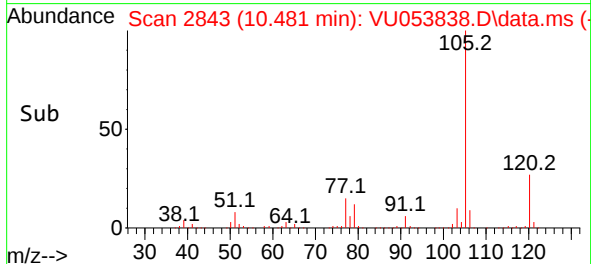
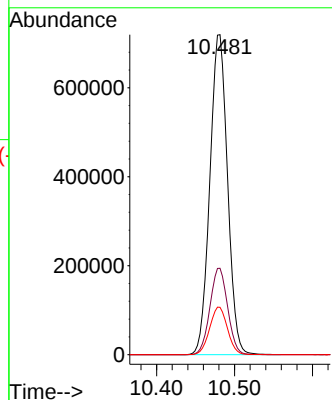
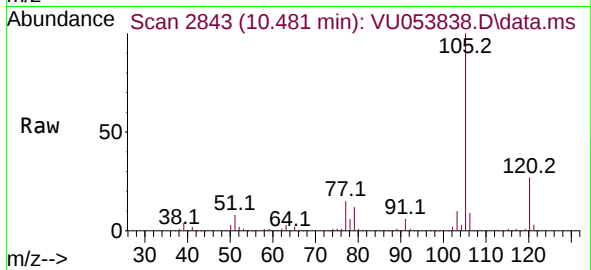
Tgt Ion:105 Resp: 1135123

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

77 15.0 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 19.008 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

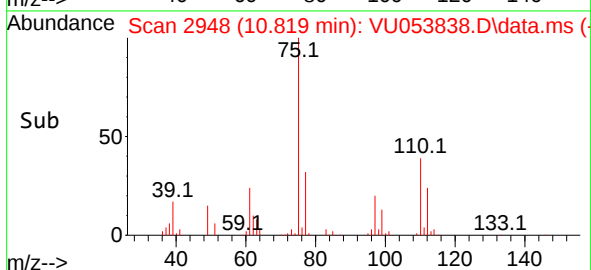
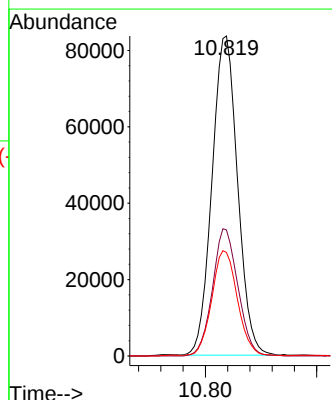
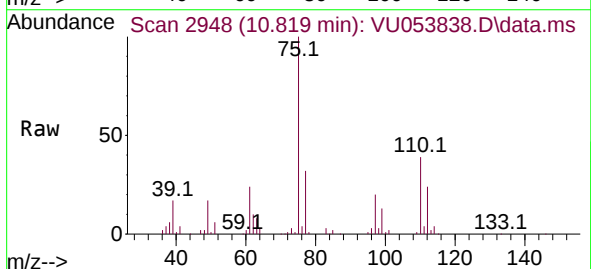
Tgt Ion: 75 Resp: 133211

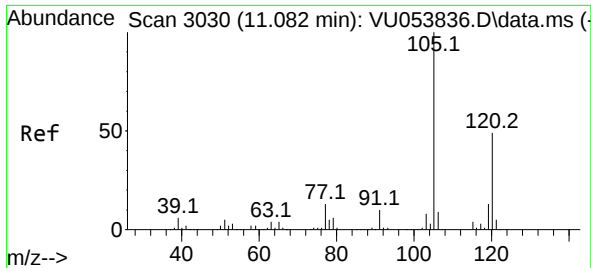
Ion Ratio Lower Upper

75 100

110 39.6 30.7 46.1

77 32.9 26.2 39.4

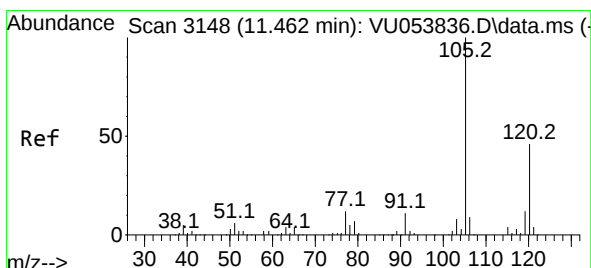
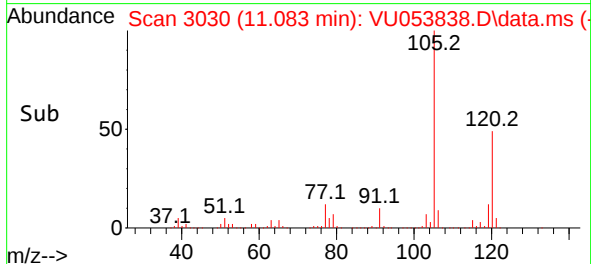
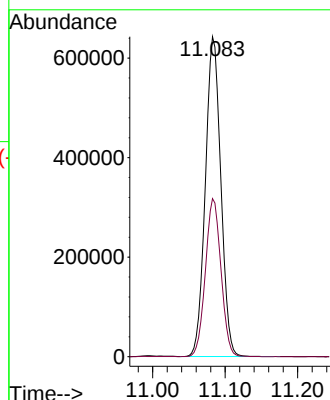
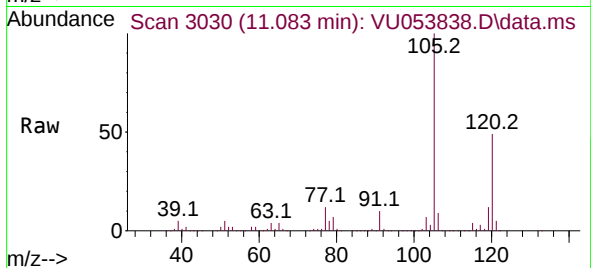




#62
 1,3,5-Trimethylbenzene
 Concen: 22.512 ug/L
 RT: 11.083 min Scan# 3030
 Delta R.T. 0.000 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

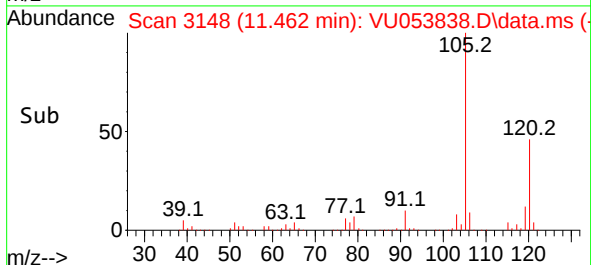
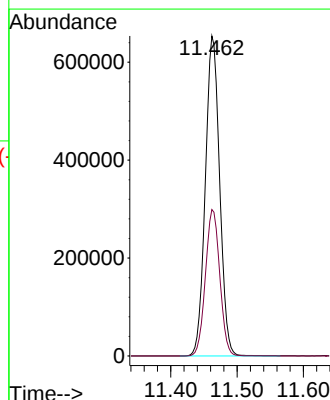
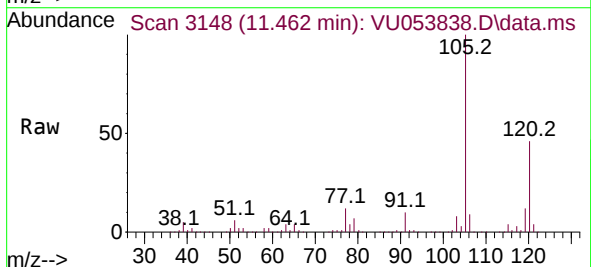
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

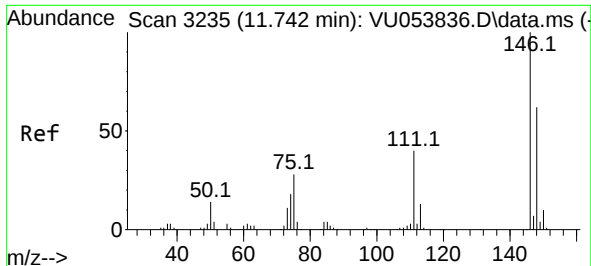
Tgt Ion:105 Resp: 952879
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 22.706 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. 0.000 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

Tgt Ion:105 Resp: 982680
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.1 55.7

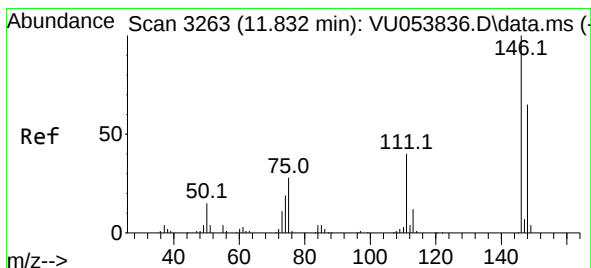
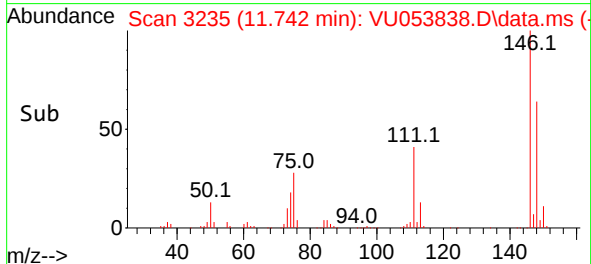
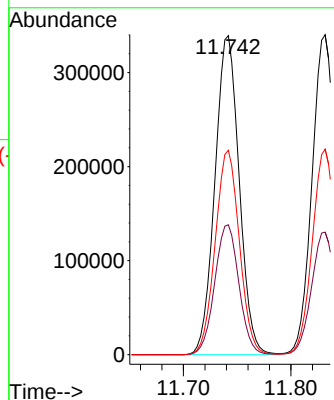
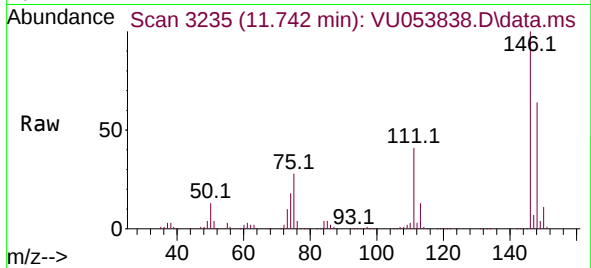




#64
1,3-Dichlorobenzene
Concen: 22.576 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

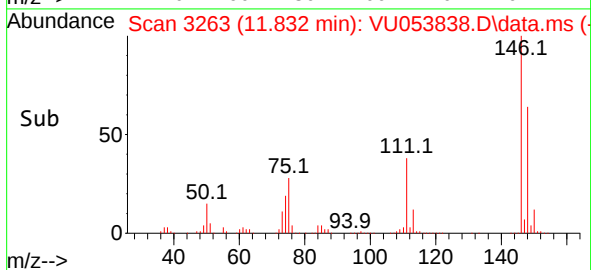
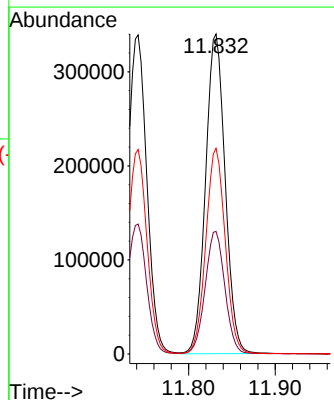
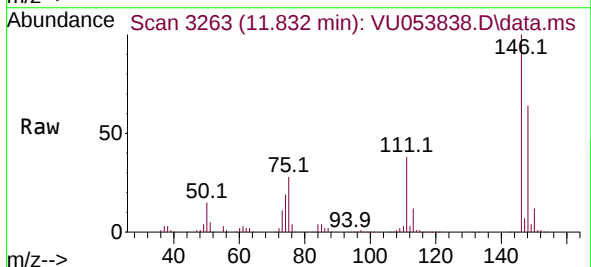
Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

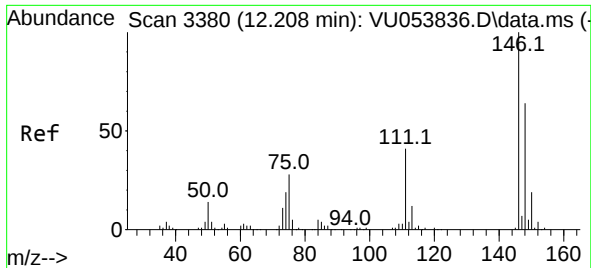
Tgt Ion:146 Resp: 531934
Ion Ratio Lower Upper
146 100
111 40.7 27.9 51.9
148 64.1 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 22.676 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion:146 Resp: 535077
Ion Ratio Lower Upper
146 100
111 38.3 28.3 52.7
148 64.2 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 22.494 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD020023

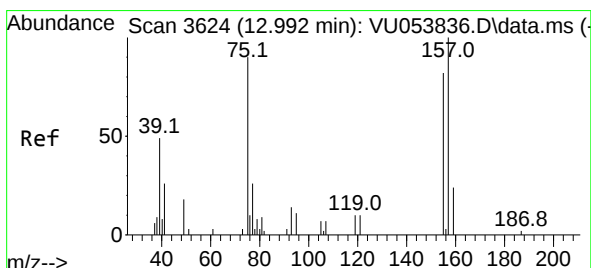
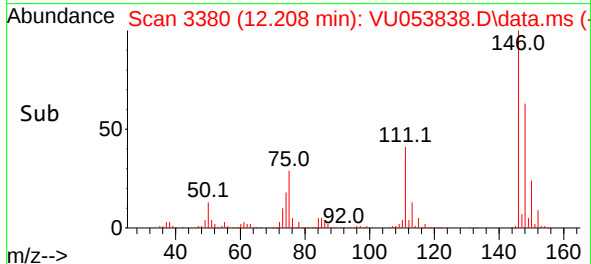
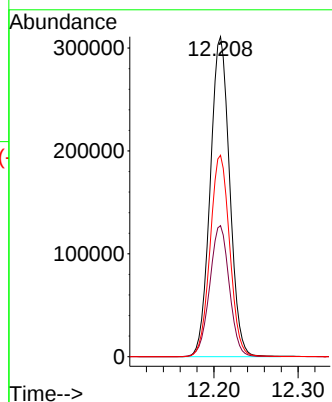
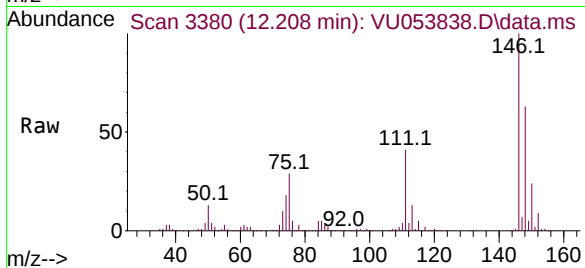
Tgt Ion:146 Resp: 497205

Ion Ratio Lower Upper

146 100

111 41.0 32.6 49.0

148 63.0 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 22.269 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053838.D

Acq: 24 Apr 2023 12:39

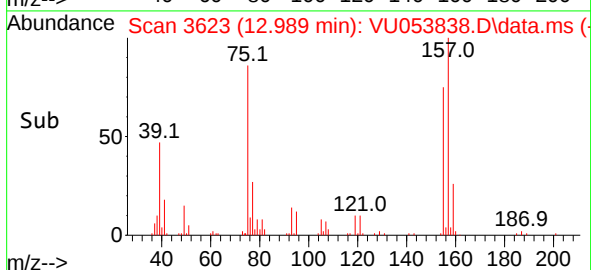
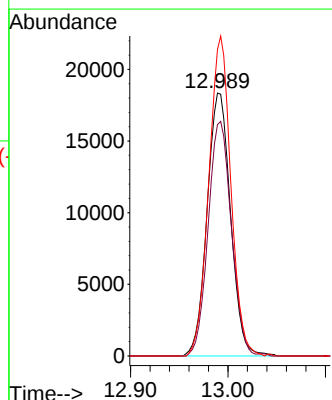
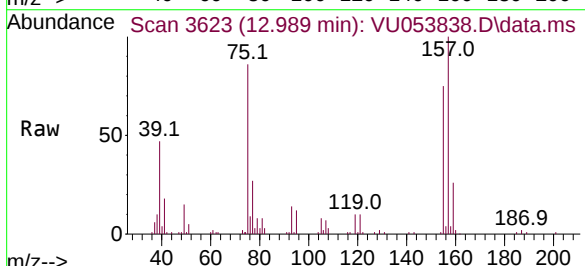
Tgt Ion: 75 Resp: 30706

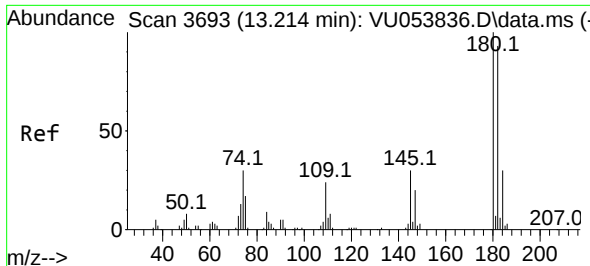
Ion Ratio Lower Upper

75 100

155 88.0 72.8 109.2

157 116.6 89.1 133.7



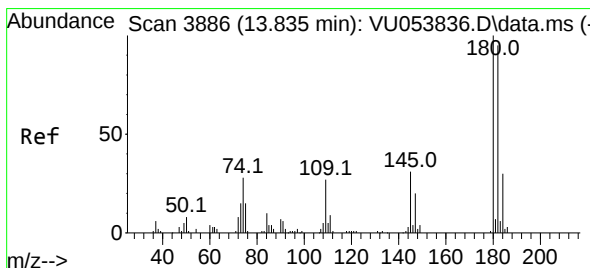
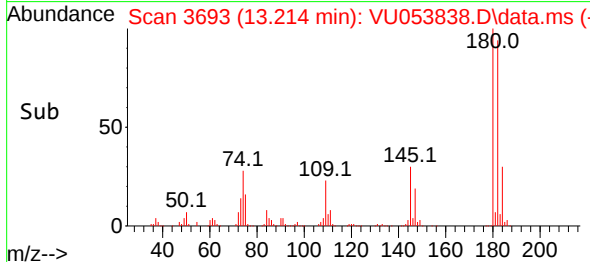
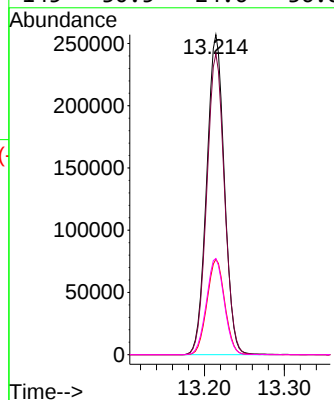
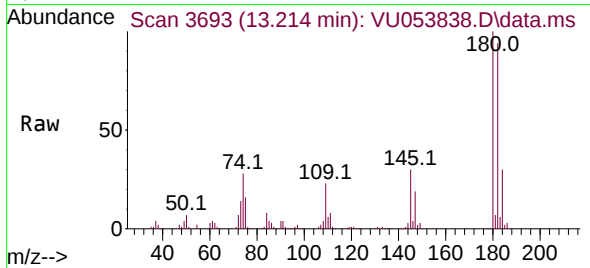


#69
 1,3,5-Trichlorobenzene
 Concen: 23.919 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020023

Tgt Ion:180 Resp: 394970

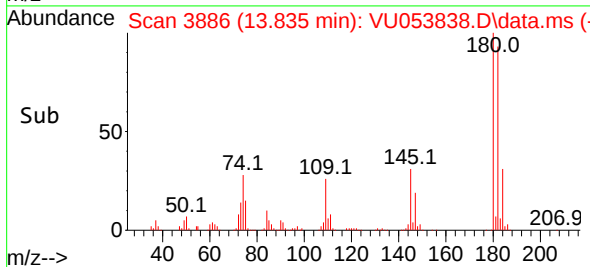
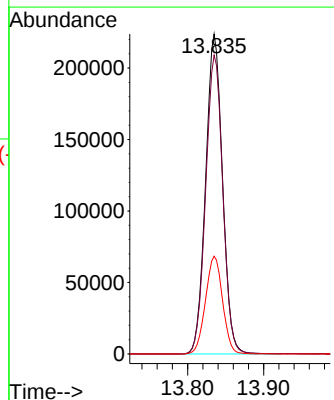
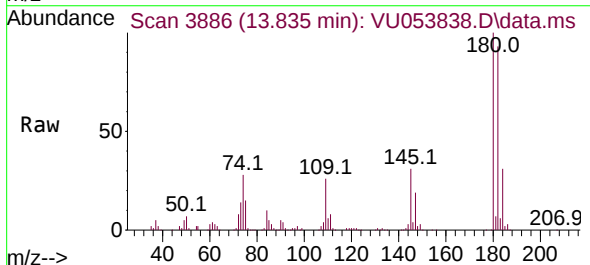
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.1	112.7
184	30.0	24.2	36.2
145	30.5	24.6	36.8

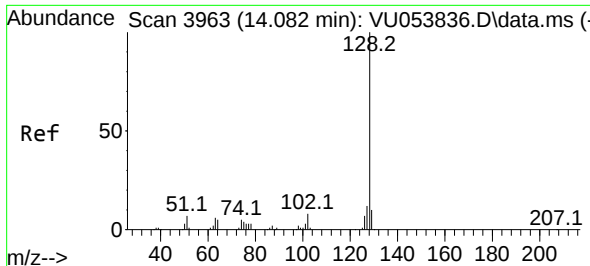


#70
 1,2,4-trichlorobenzene
 Concen: 26.384 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053838.D
 Acq: 24 Apr 2023 12:39

Tgt Ion:180 Resp: 345383

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.5	113.3
145	30.8	25.8	38.6

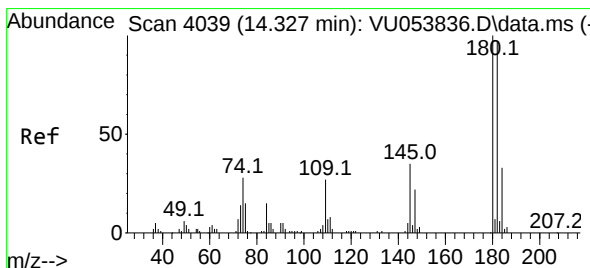
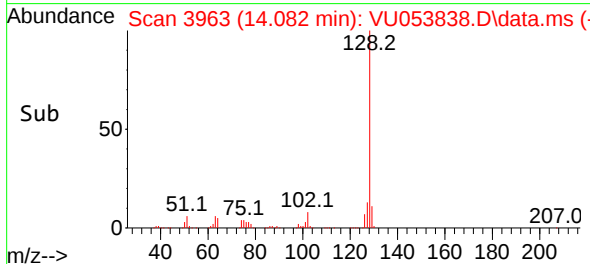
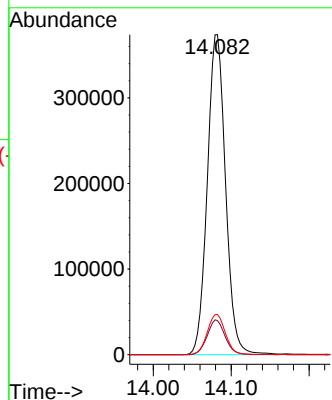
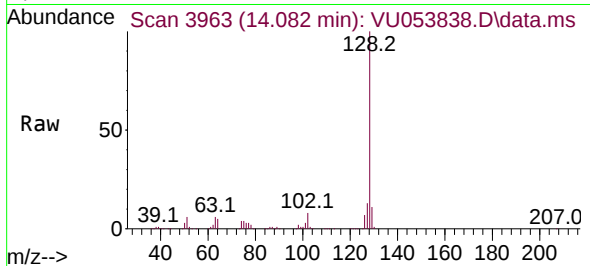




#71
Naphthalene
Concen: 25.237 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD020023

Tgt Ion:128 Resp: 608406
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 12.5 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 26.403 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053838.D
Acq: 24 Apr 2023 12:39

Tgt Ion:180 Resp: 301810
Ion Ratio Lower Upper
180 100
182 95.0 77.4 116.2
145 32.9 26.8 40.2

