

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042423\
 Data File : U053842.D
 Acq On : 24 Apr 2023 14:23
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005157

Quant Time: Apr 25 04:52:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:42:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	160583	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	151288	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	81329	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41098	4.202	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.912	69	34723	4.230	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.600%
11) 1,1-Dichloroethene-d2	2.565	65	16714	4.152	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.000%
20) 2-Butanone-d5	4.629	46	78328	43.723	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.440%
24) Chloroform-d	5.060	84	79610	4.319	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.697	65	37923	4.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	5.723	84	159291	4.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.687	67	49611	4.601	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.893	98	148634	4.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.176	79	18679	4.405	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.200%
46) 2-Hexanone-d5	8.629	63	67371	44.894	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.780%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	36518	4.191	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	53905	4.132	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	57655	4.840	ug/L	97
3) Chloromethane	1.520	50	56823	4.912	ug/L	97
5) Vinyl chloride	1.604	62	67395	5.049	ug/L	96
6) Bromomethane	1.858	94	42098	4.846	ug/L	84
8) Chloroethane	1.935	64	38981	4.679	ug/L	97
9) Trichlorofluoromethane	2.137	101	95157	4.828	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	55588	4.854	ug/L	99
12) 1,1-Dichloroethene	2.578	96	48728	4.824	ug/L	95
13) Acetone	2.642	43	60600	41.714	ug/L	96
14) Carbon disulfide	2.793	76	132598	4.791	ug/L	98
15) Methyl Acetate	2.951	43	14422	4.600	ug/L	97
16) Methylene chloride	3.044	84	55457	4.023	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	108226	4.946	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	50353	4.933	ug/L	99
19) 1,1-Dichloroethane	3.867	63	92185	4.991	ug/L	98
21) 2-Butanone	4.707	43	95718	47.598	ug/L	94
22) cis-1,2-Dichloroethene	4.665	96	56617	4.917	ug/L	97
23) Bromochloromethane	4.970	128	24832	4.846	ug/L	98
25) Chloroform	5.083	83	99035	4.937	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053842.D
 Acq On : 24 Apr 2023 14:23
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005157

Quant Time: Apr 25 04:52:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:42:45 2023
 Response via : Initial Calibration

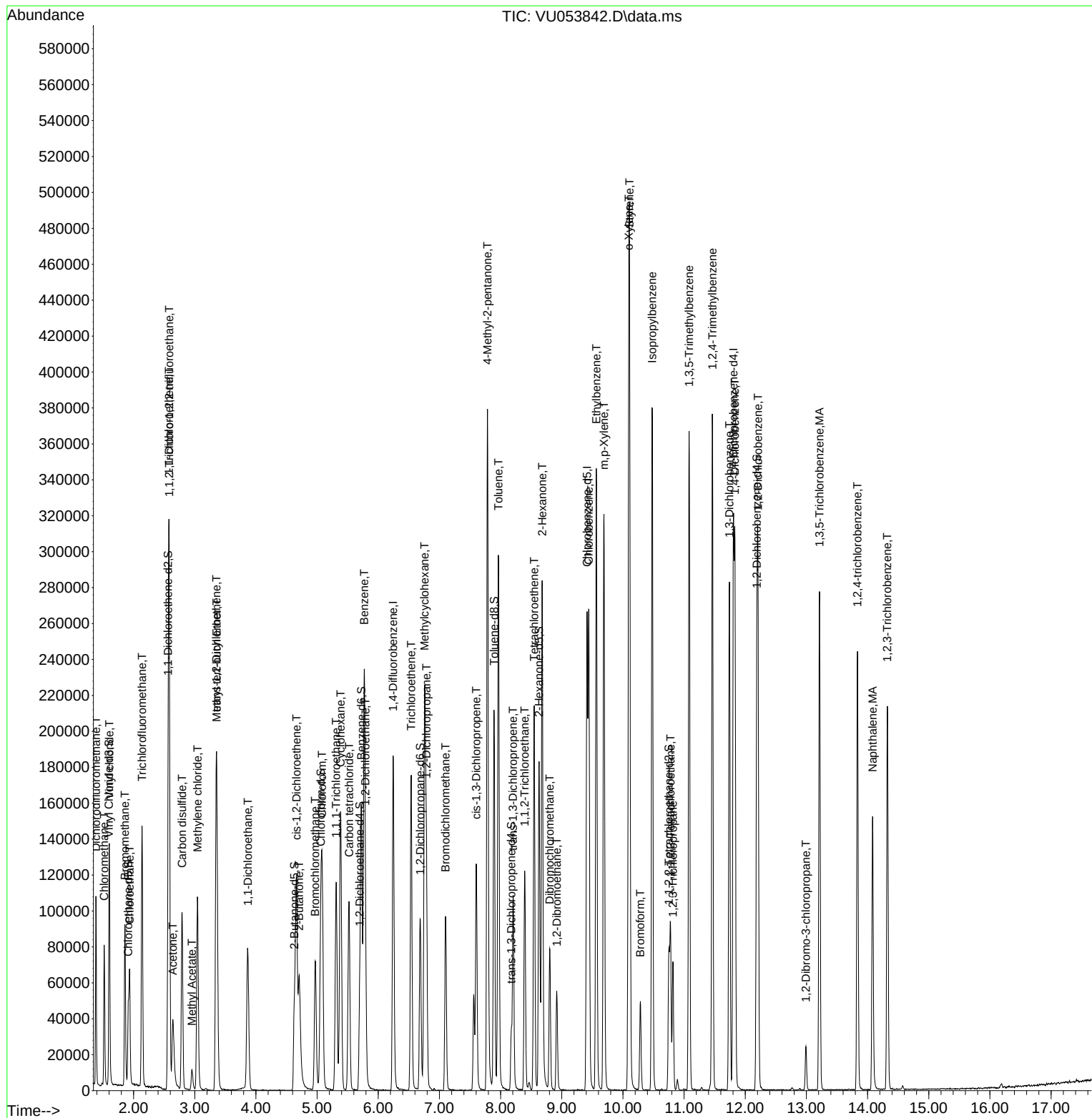
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	56034	4.873	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	86101	5.063	ug/L	97
30) Cyclohexane	5.385	56	78337	5.127	ug/L	97
31) Carbon tetrachloride	5.523	117	75433	5.102	ug/L	99
33) Benzene	5.771	78	209306	4.908	ug/L	100
34) Trichloroethene	6.539	95	59430	5.114	ug/L	99
35) Methylcyclohexane	6.758	83	91411	5.092	ug/L	98
37) 1,2-Dichloropropane	6.787	63	54778	5.177	ug/L	99
38) Bromodichloromethane	7.099	83	65542	4.956	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	78907	4.946	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	235743	49.395	ug/L	100
42) Toluene	7.964	91	228966	5.063	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	64707	5.015	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	40493	5.106	ug/L	96
47) Tetrachloroethene	8.549	164	46727	5.073	ug/L	99
48) 2-Hexanone	8.681	43	170623	47.035	ug/L	98
49) Dibromochloromethane	8.803	129	42144	5.019	ug/L	96
50) 1,2-Dibromoethane	8.919	107	37238	5.076	ug/L #	99
51) Chlorobenzene	9.443	112	150253	4.894	ug/L	100
52) Ethylbenzene	9.565	91	249965	5.033	ug/L	97
53) m,p-Xylene	9.690	106	96222	5.057	ug/L	98
54) o-Xylene	10.095	106	93273	5.080	ug/L	96
55) Styrene	10.108	104	153194	5.100	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	46575	4.926	ug/L	99
59) Bromoform	10.285	173	22906	4.953	ug/L	100
60) Isopropylbenzene	10.478	105	255104	5.216	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	31410	5.008	ug/L	97
62) 1,3,5-Trimethylbenzene	11.082	105	204736	5.150	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	209719	5.213	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	120931	4.948	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	119391	4.835	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	110531	4.897	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	6219	4.812	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	88424	5.053	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	76583	4.807	ug/L	99
71) Naphthalene	14.082	128	126648	4.498	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	67858	4.774	ug/L	98

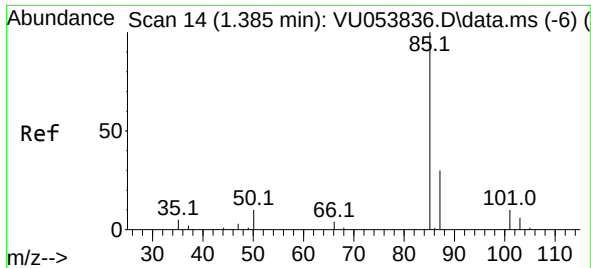
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053842.D
 Acq On : 24 Apr 2023 14:23
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005157

Quant Time: Apr 25 04:52:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
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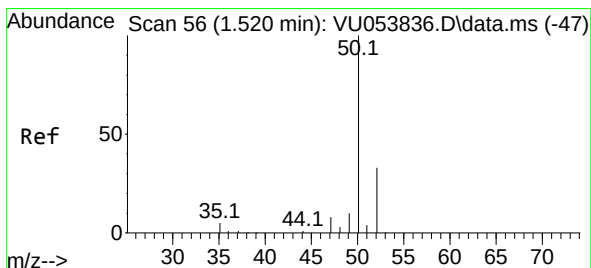
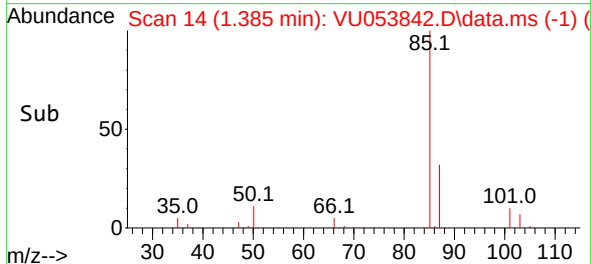
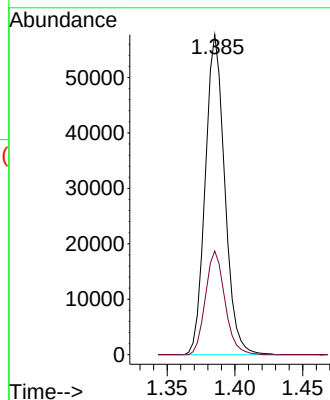
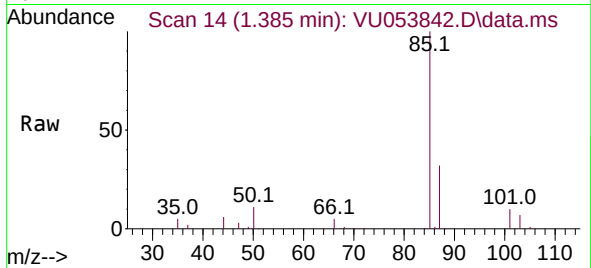




#2
 Dichlorodifluoromethane
 Concen: 4.840 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053842.D
 Acq: 24 Apr 2023 14:23

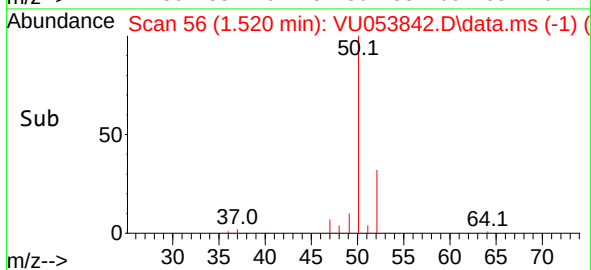
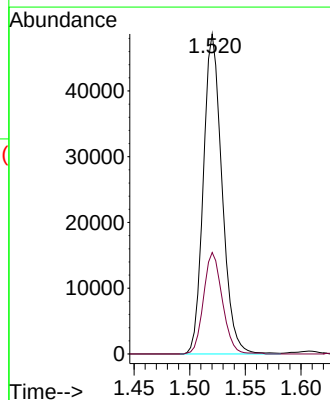
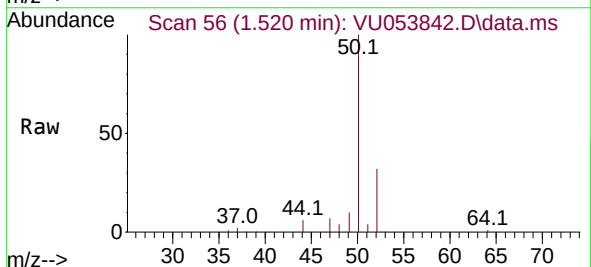
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005157

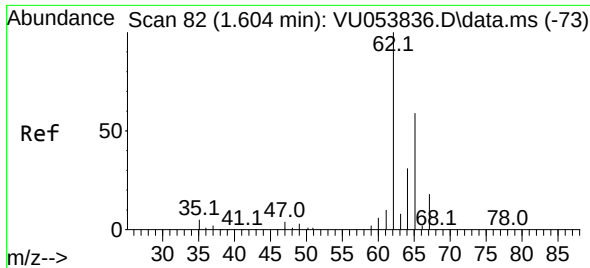
Tgt Ion: 85 Resp: 57655
 Ion Ratio Lower Upper
 85 100
 87 32.3 24.5 36.7



#3
 Chloromethane
 Concen: 4.912 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053842.D
 Acq: 24 Apr 2023 14:23

Tgt Ion: 50 Resp: 56823
 Ion Ratio Lower Upper
 50 100
 52 31.7 23.4 43.6

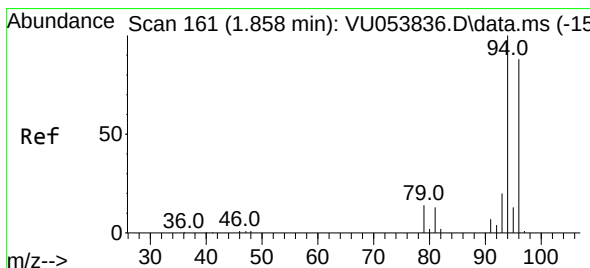
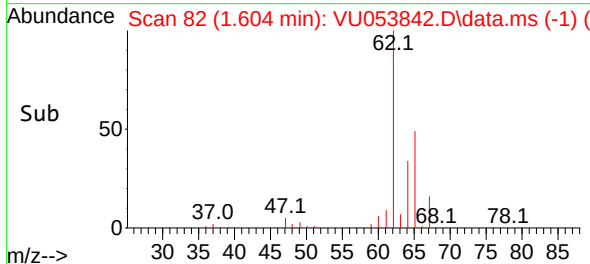
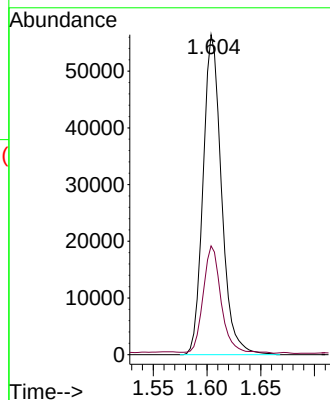
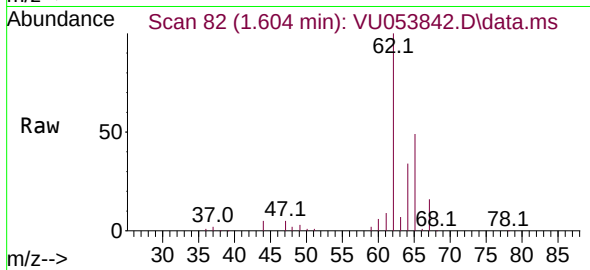




#5
 Vinyl chloride
 Concen: 5.049 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053842.D
 Acq: 24 Apr 2023 14:23

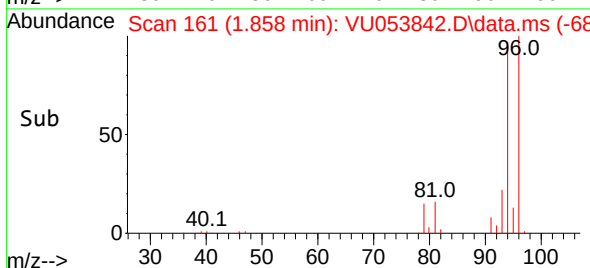
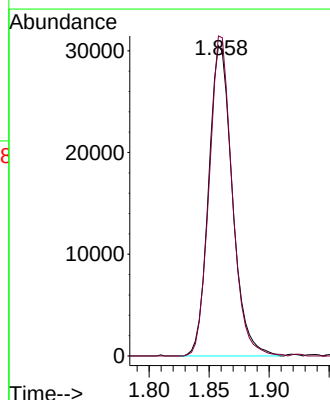
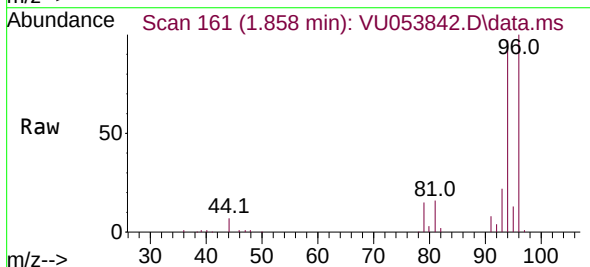
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 ClientSampleId :
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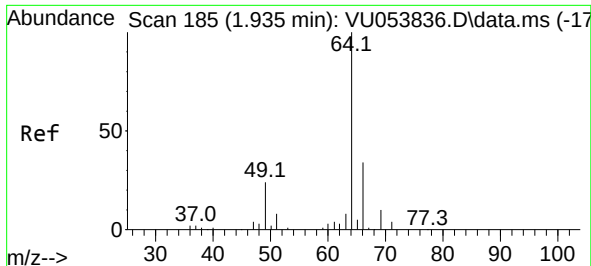
Tgt Ion: 62 Resp: 67395
 Ion Ratio Lower Upper
 62 100
 64 34.0 22.4 41.6



#6
 Bromomethane
 Concen: 4.846 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053842.D
 Acq: 24 Apr 2023 14:23

Tgt Ion: 94 Resp: 42098
 Ion Ratio Lower Upper
 94 100
 96 103.2 61.9 114.9

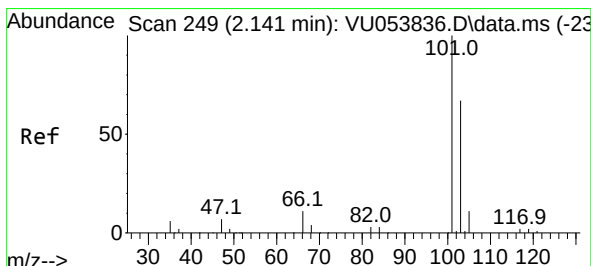
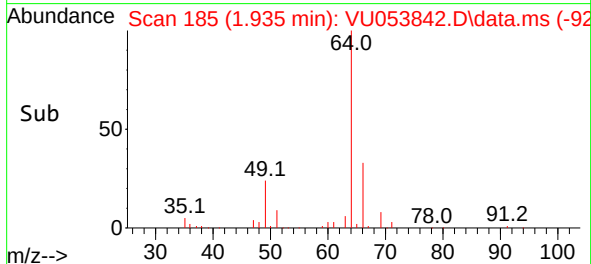
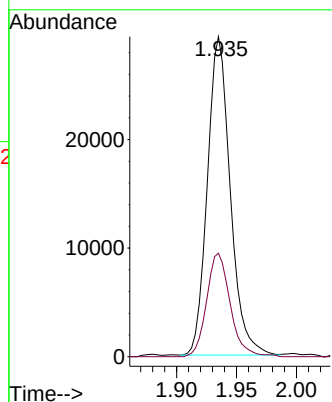
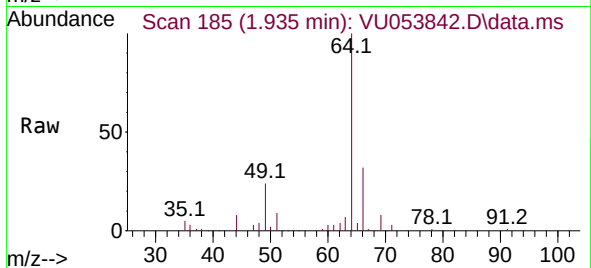




#8
Chloroethane
Concen: 4.679 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

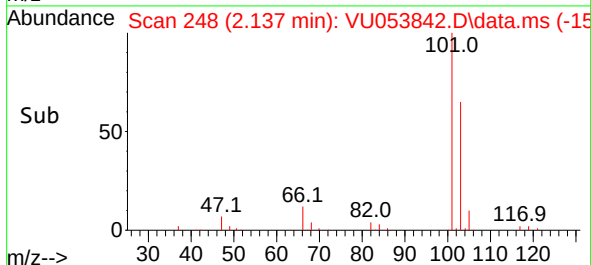
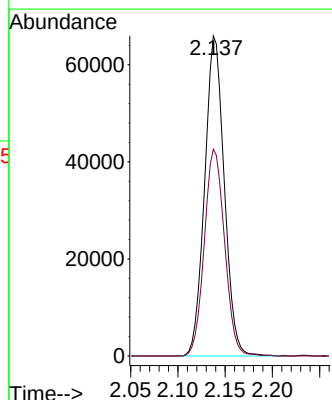
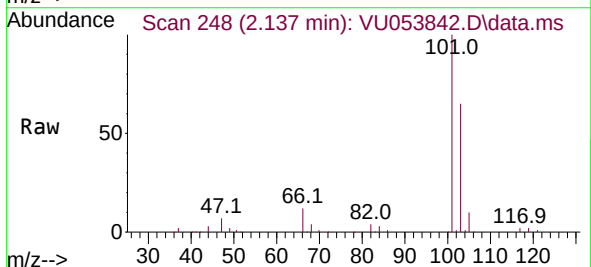
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

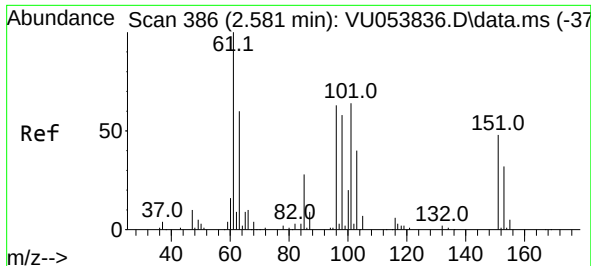
Tgt Ion: 64 Resp: 38981
Ion Ratio Lower Upper
64 100
66 32.4 23.8 44.2



#9
Trichlorofluoromethane
Concen: 4.828 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion:101 Resp: 95157
Ion Ratio Lower Upper
101 100
103 66.7 52.6 78.8

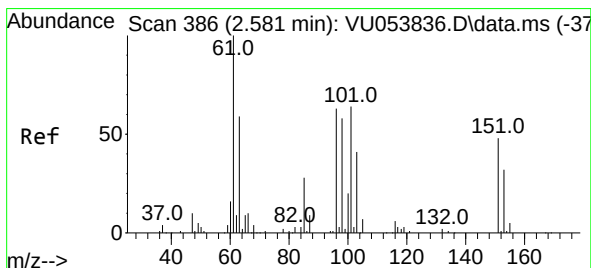
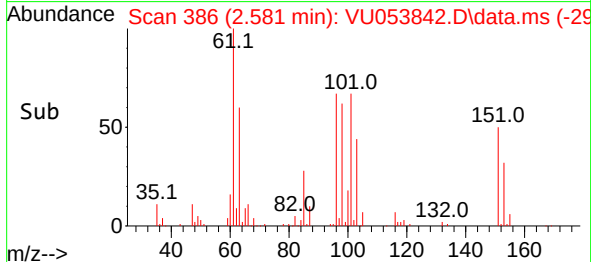
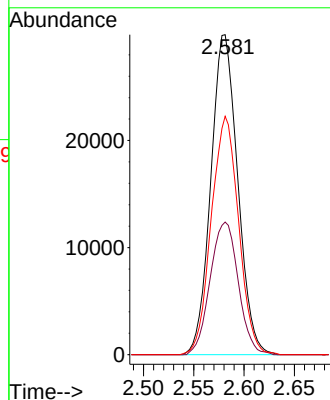
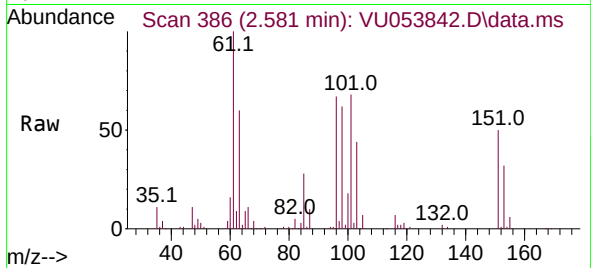




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.854 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

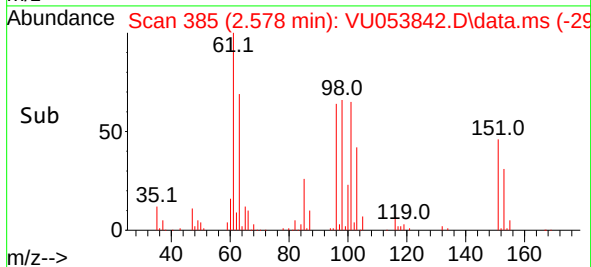
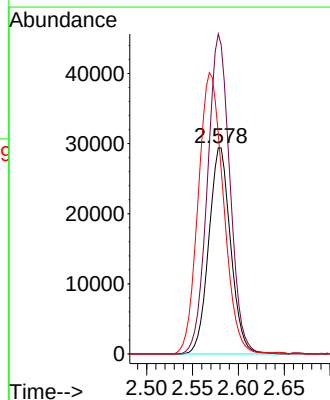
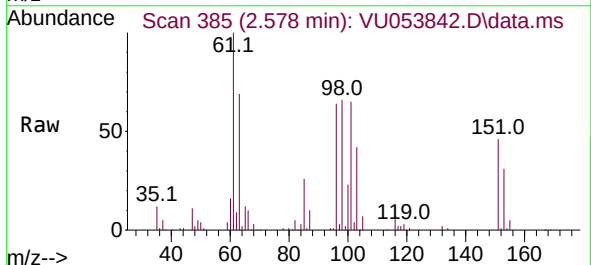
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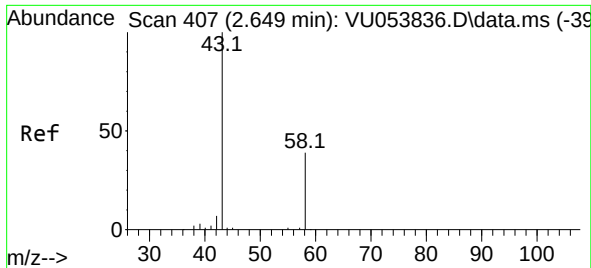
Tgt Ion:101 Resp: 55588
Ion Ratio Lower Upper
101 100
85 43.3 34.7 52.1
151 75.7 59.1 88.7



#12
1,1-Dichloroethene
Concen: 4.824 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 96 Resp: 48728
Ion Ratio Lower Upper
96 100
61 155.1 111.5 207.1
63 106.7 68.7 127.7





#13

Acetone

Concen: 41.714 ug/L

RT: 2.642 min Scan# 405

Delta R.T. -0.006 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

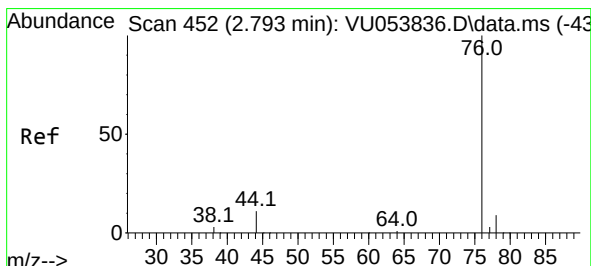
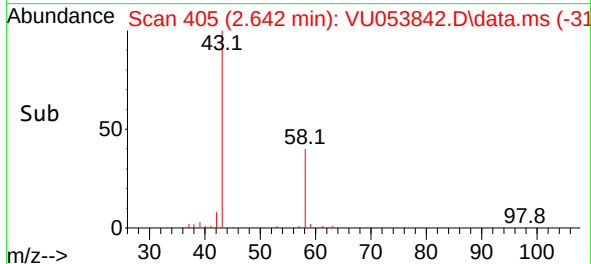
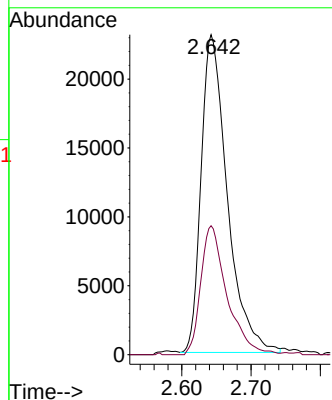
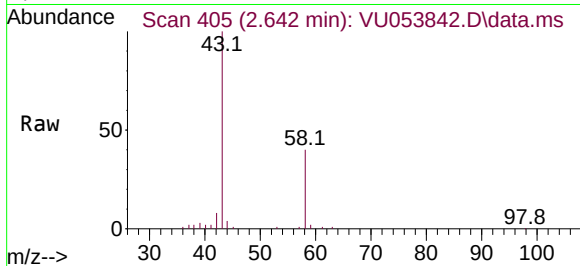
VSTD005157

Tgt Ion: 43 Resp: 60600

Ion Ratio Lower Upper

43 100

58 40.5 0.0 76.2



#14

Carbon disulfide

Concen: 4.791 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053842.D

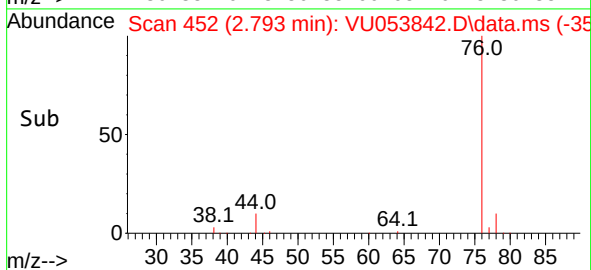
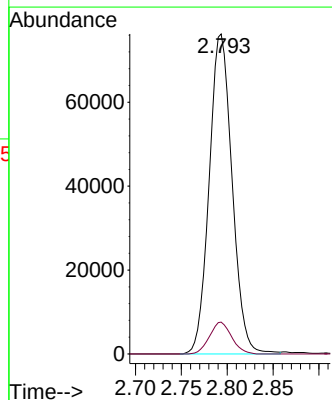
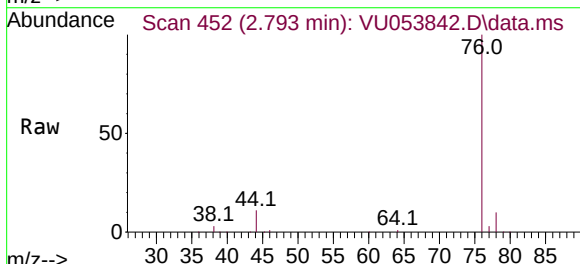
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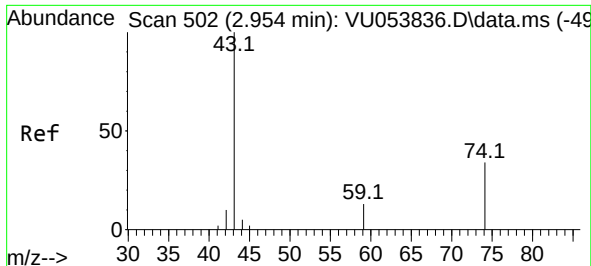
Tgt Ion: 76 Resp: 132598

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9

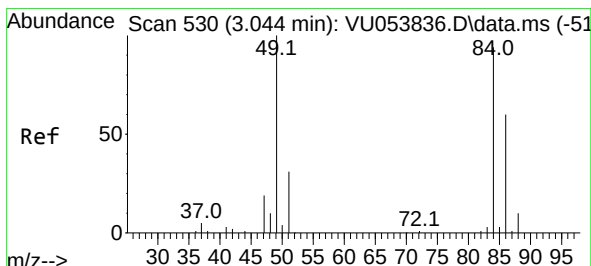
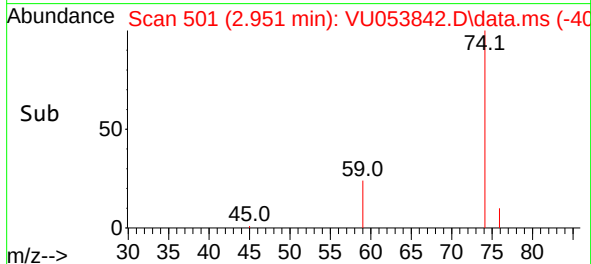
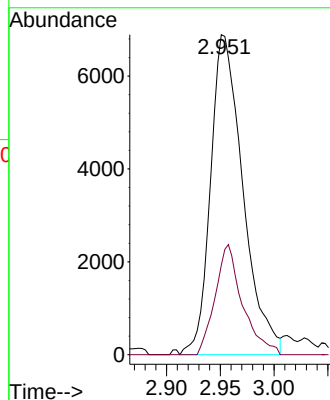
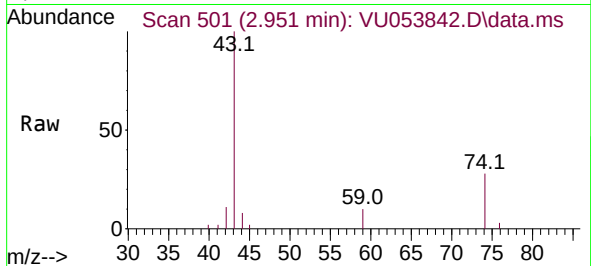




#15
Methyl Acetate
Concen: 4.600 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

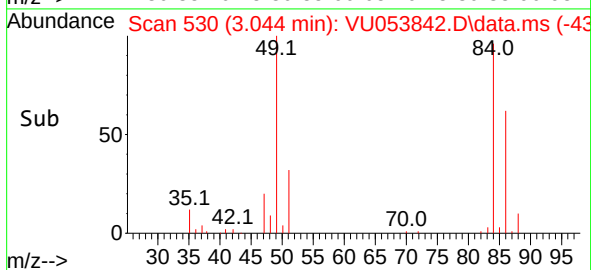
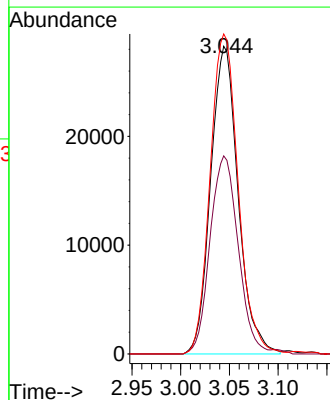
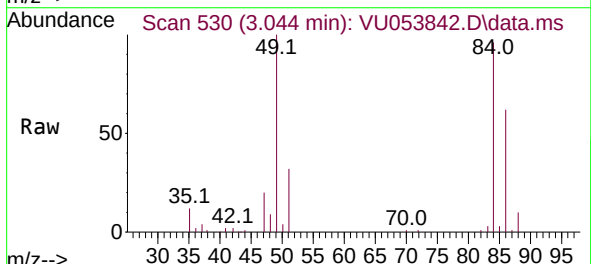
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

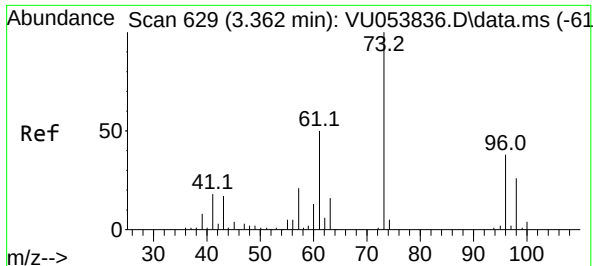
Tgt Ion: 43 Resp: 14422
Ion Ratio Lower Upper
43 100
74 29.0 22.0 33.0



#16
Methylene chloride
Concen: 4.023 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 84 Resp: 55457
Ion Ratio Lower Upper
84 100
86 64.4 45.0 83.6
49 104.0 74.8 138.8

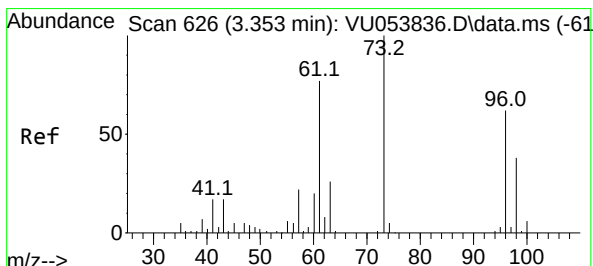
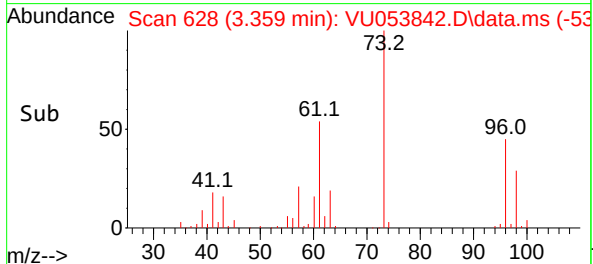
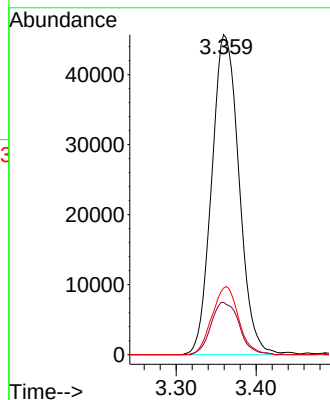
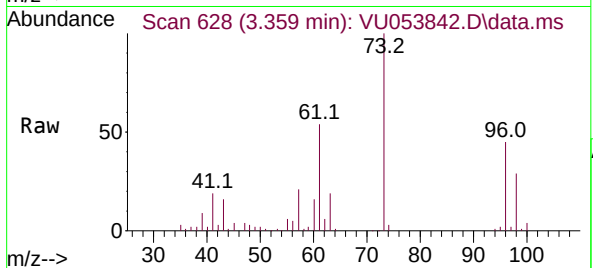




#17
Methyl tert-butyl Ether
Concen: 4.946 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

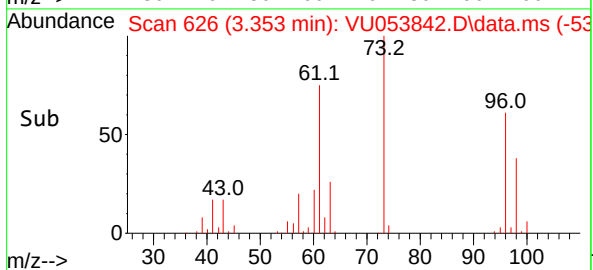
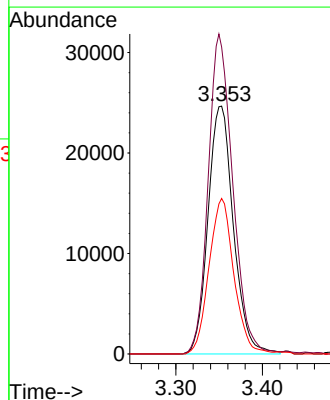
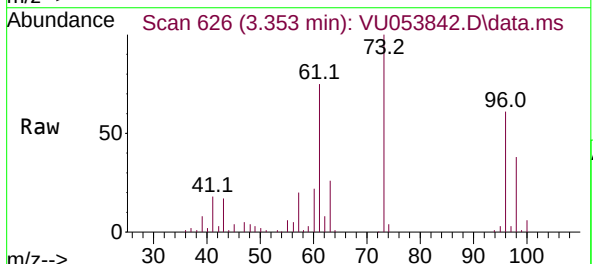
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

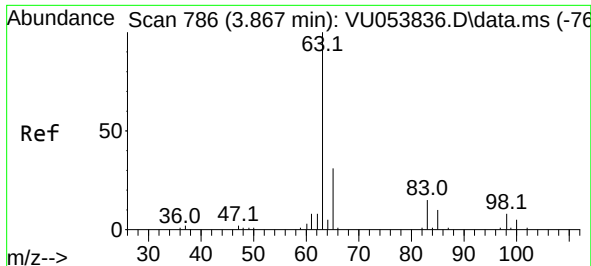
Tgt Ion: 73 Resp: 108226
Ion Ratio Lower Upper
73 100
43 16.9 13.4 20.2
57 20.8 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 4.933 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 96 Resp: 50353
Ion Ratio Lower Upper
96 100
61 123.8 86.2 160.0
98 62.8 42.8 79.4

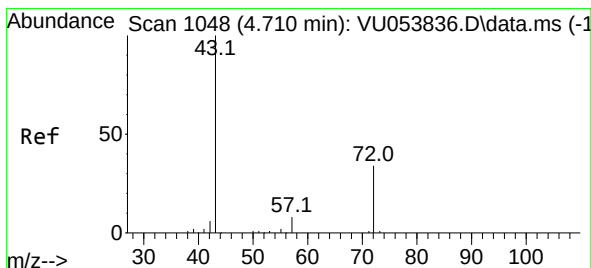
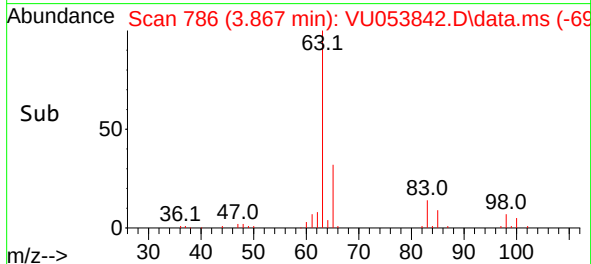
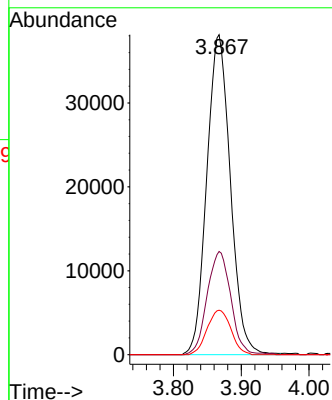
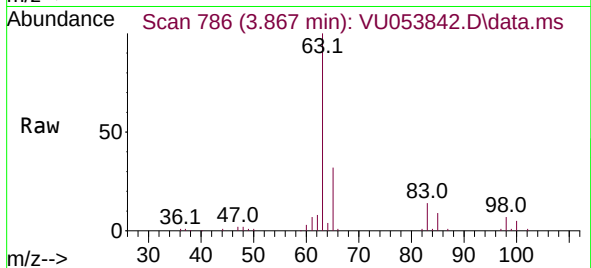




#19
1,1-Dichloroethane
Concen: 4.991 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

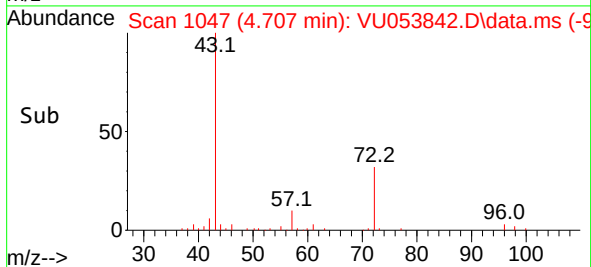
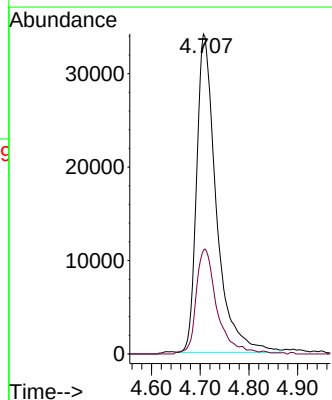
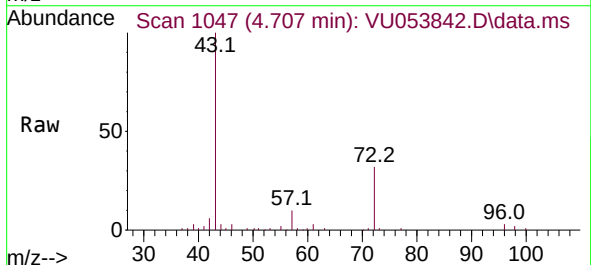
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

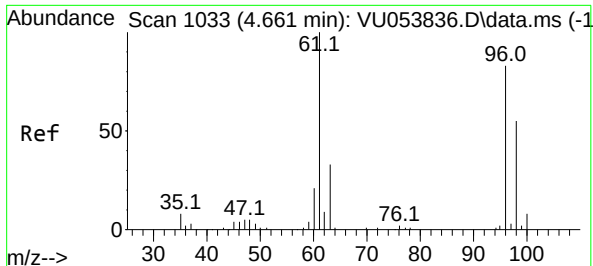
Tgt Ion: 63 Resp: 92185
Ion Ratio Lower Upper
63 100
65 32.2 22.0 40.8
83 13.9 10.3 19.1



#21
2-Butanone
Concen: 47.598 ug/L
RT: 4.707 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 43 Resp: 95718
Ion Ratio Lower Upper
43 100
72 34.8 15.7 47.0

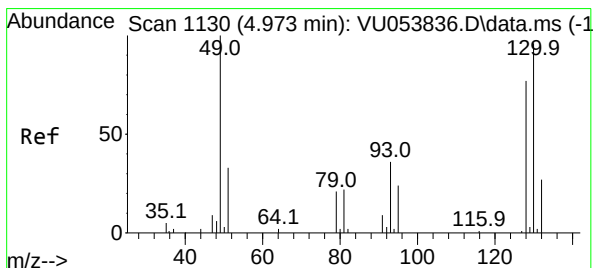
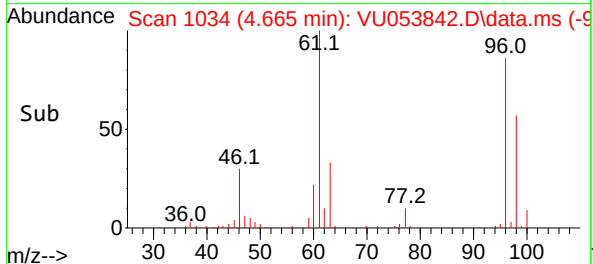
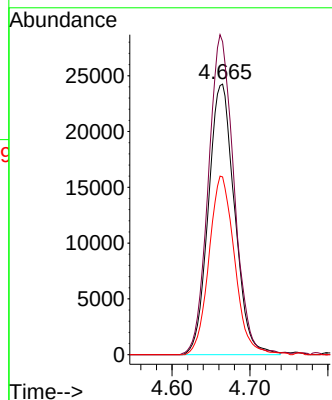
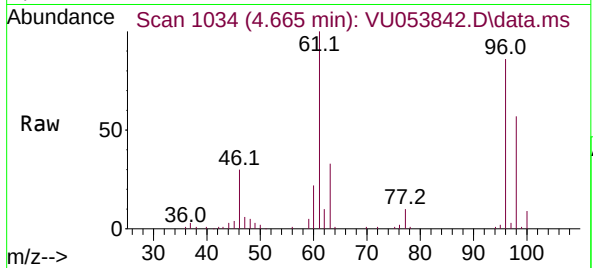




#22
cis-1,2-Dichloroethene
Concen: 4.917 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

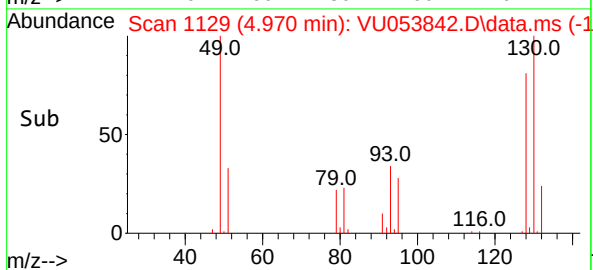
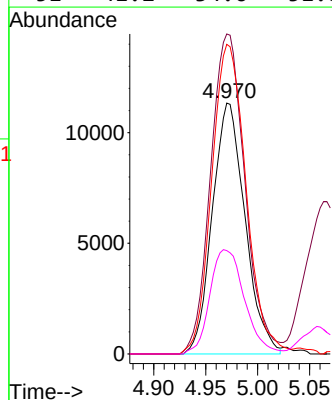
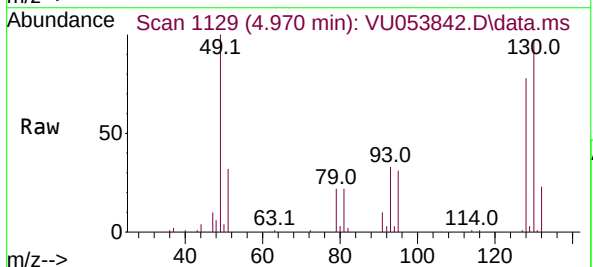
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

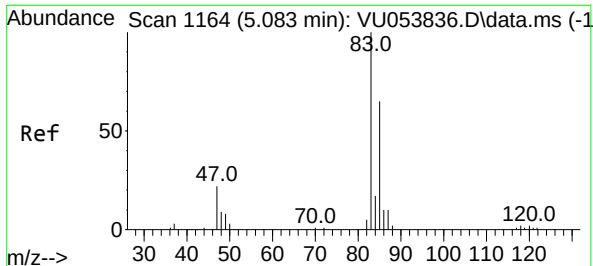
Tgt Ion: 96 Resp: 56617
Ion Ratio Lower Upper
96 100
61 115.6 84.3 156.5
98 65.7 46.4 86.2



#23
Bromochloromethane
Concen: 4.846 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 128 Resp: 24832
Ion Ratio Lower Upper
128 100
49 127.6 91.3 169.5
130 123.4 87.6 162.8
51 41.2 34.6 51.8





#25

Chloroform

Concen: 4.937 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

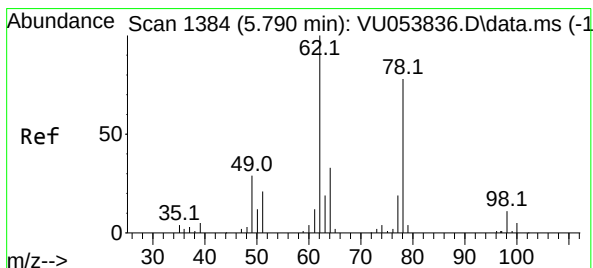
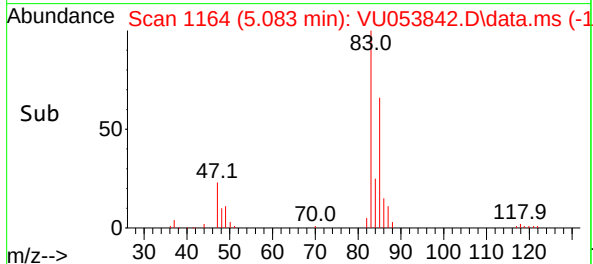
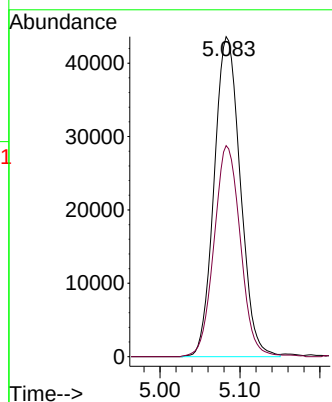
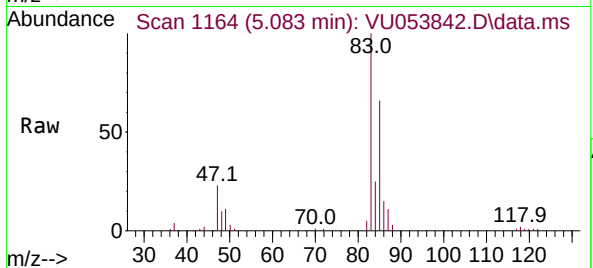
VSTD005157

Tgt Ion: 83 Resp: 99035

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 4.873 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053842.D

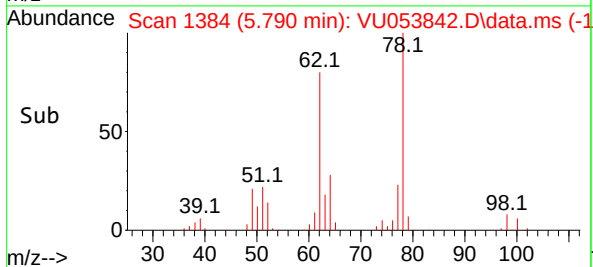
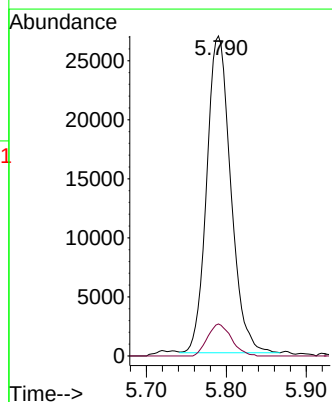
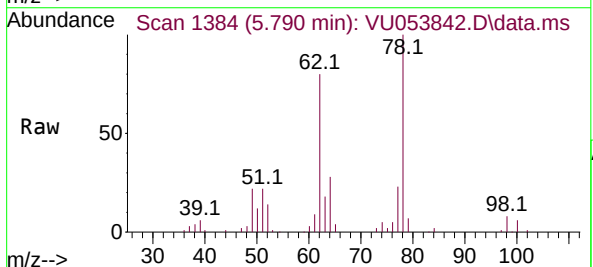
Acq: 24 Apr 2023 14:23

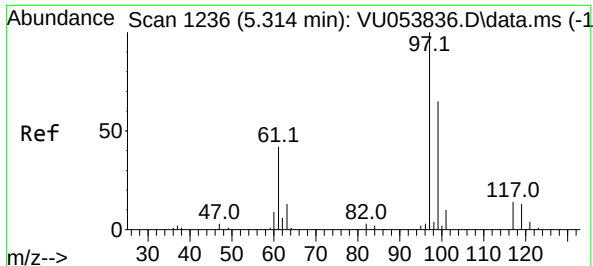
Tgt Ion: 62 Resp: 56034

Ion Ratio Lower Upper

62 100

98 10.0 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 5.063 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005157

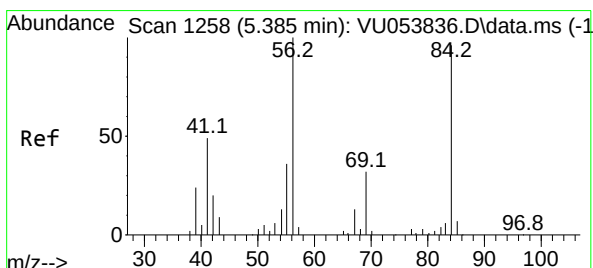
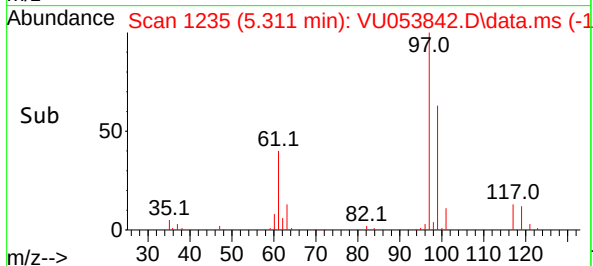
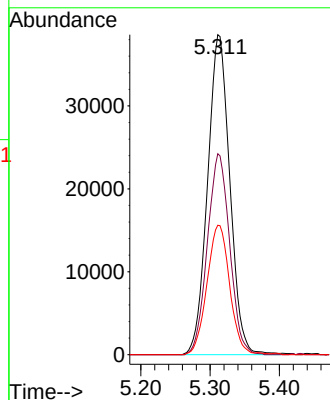
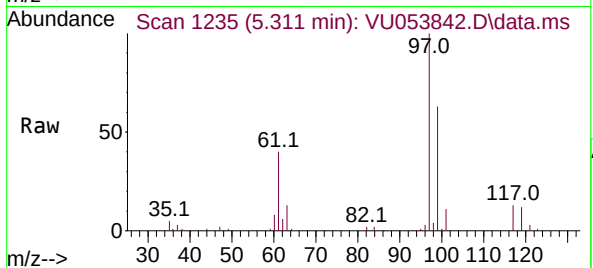
Tgt Ion: 97 Resp: 86101

Ion Ratio Lower Upper

97 100

99 62.9 52.9 79.3

61 41.0 33.8 50.8



#30

Cyclohexane

Concen: 5.127 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

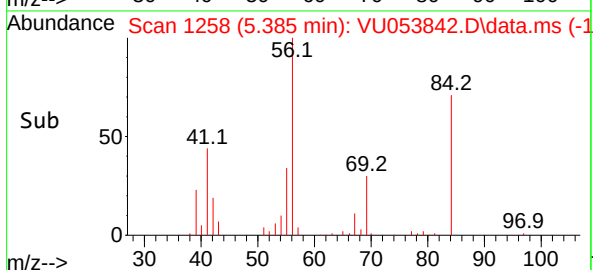
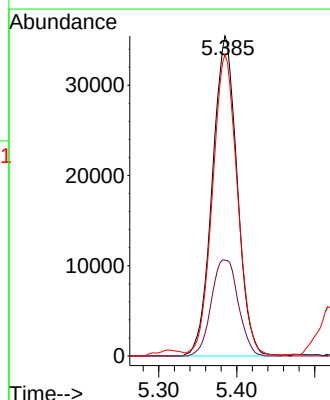
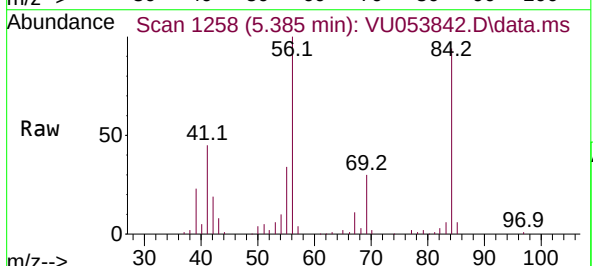
Tgt Ion: 56 Resp: 78337

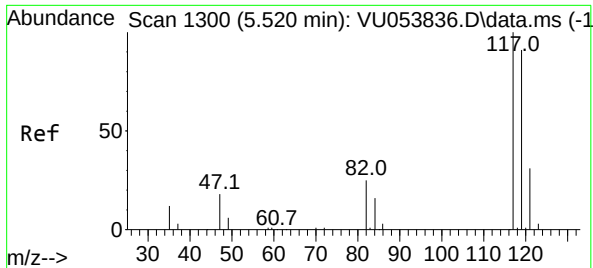
Ion Ratio Lower Upper

56 100

69 32.6 27.0 40.4

84 94.2 78.0 117.0

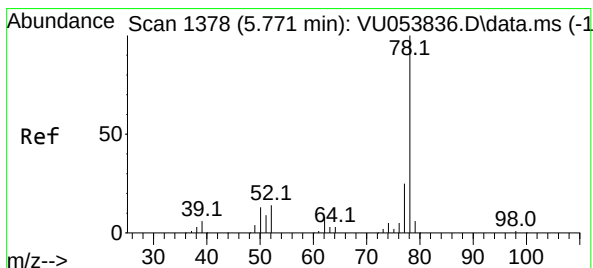
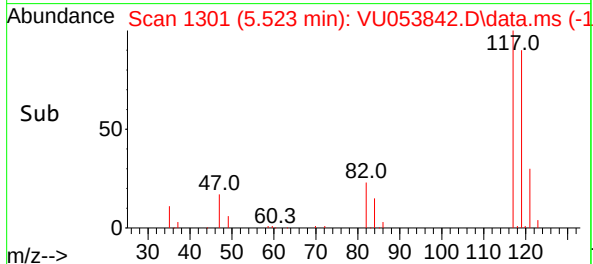
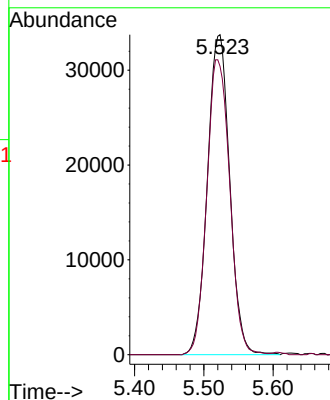
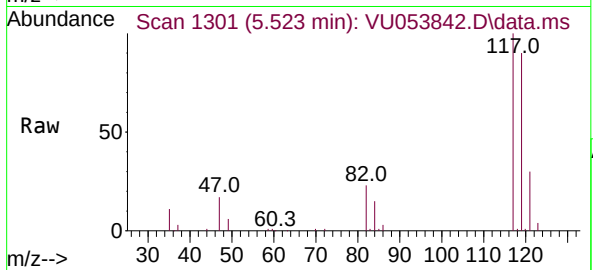




#31
Carbon tetrachloride
Concen: 5.102 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

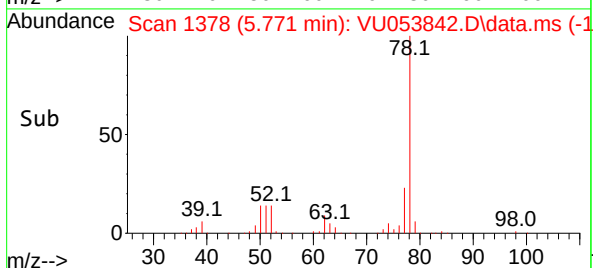
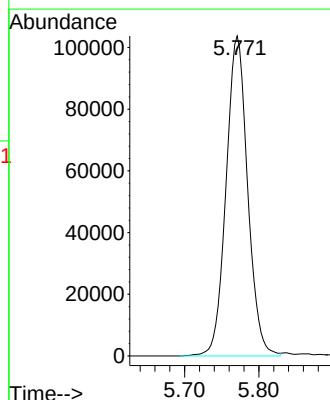
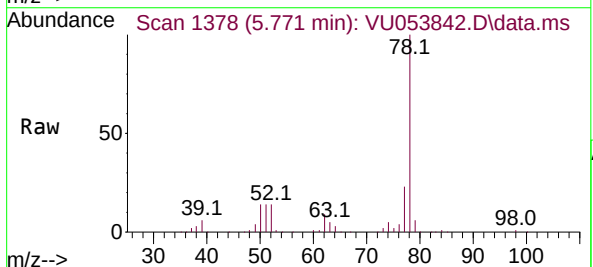
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

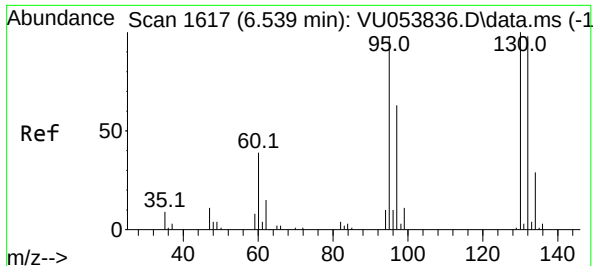
Tgt Ion:117 Resp: 75433
Ion Ratio Lower Upper
117 100
119 94.9 75.0 112.6



#33
Benzene
Concen: 4.908 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 78 Resp: 209306



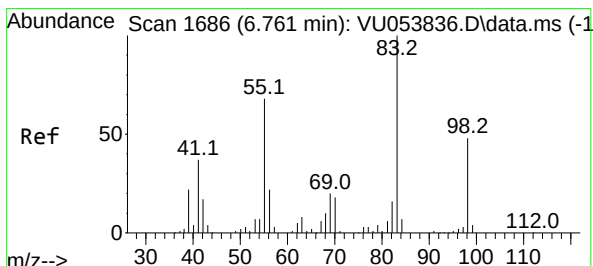
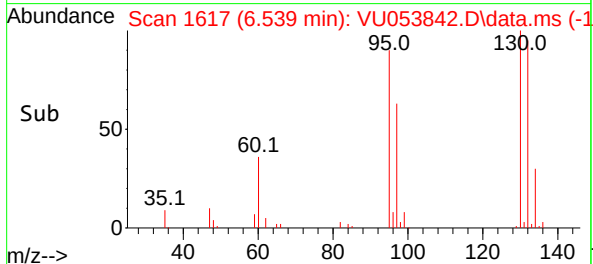
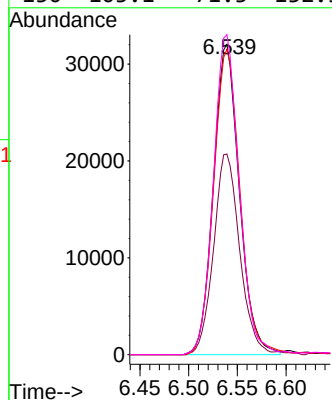
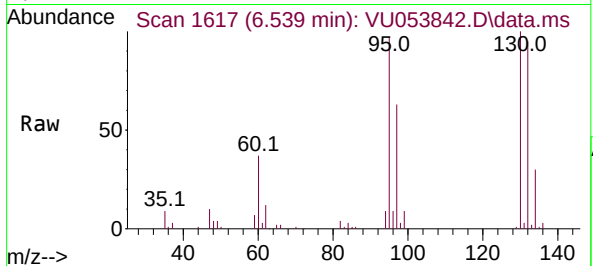


#34
Trichloroethene
Concen: 5.114 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

Tgt Ion: 95 Resp: 59430

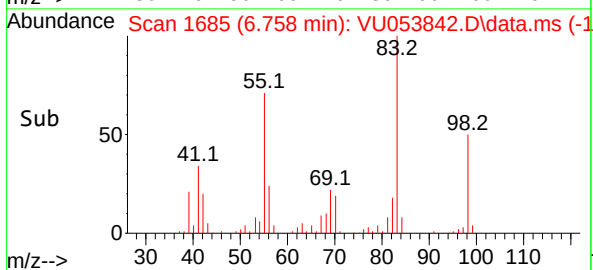
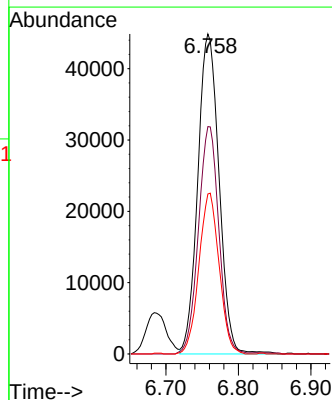
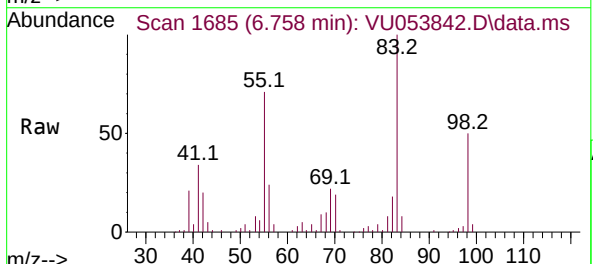
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.1	83.9
132	98.5	69.9	129.9
130	103.1	71.3	132.3

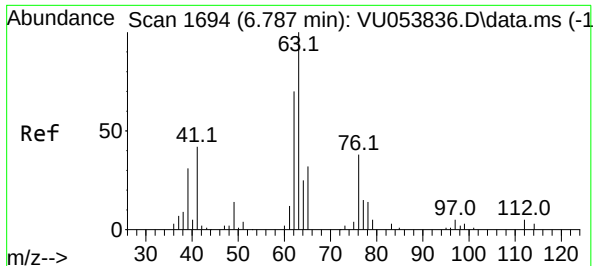


#35
Methylcyclohexane
Concen: 5.092 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 83 Resp: 91411

Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.4	83.2
98	47.8	37.3	55.9





#37

1,2-Dichloropropane

Concen: 5.177 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

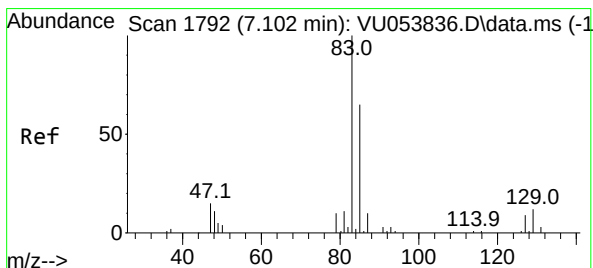
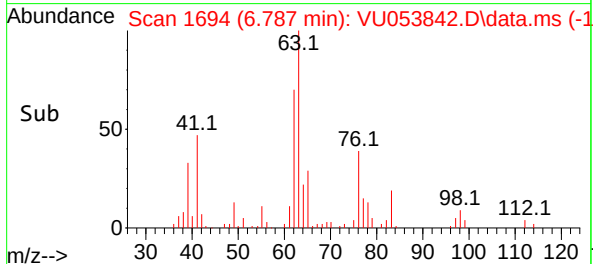
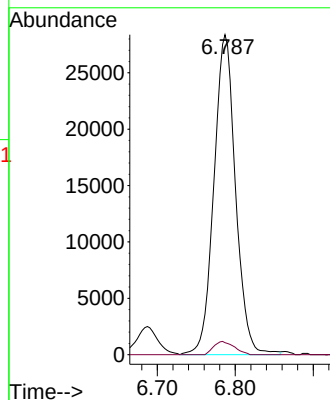
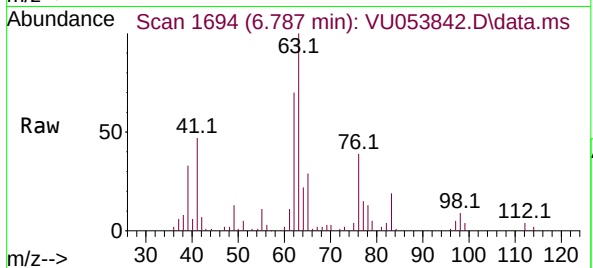
VSTD005157

Tgt Ion: 63 Resp: 54778

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3



#38

Bromodichloromethane

Concen: 4.956 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

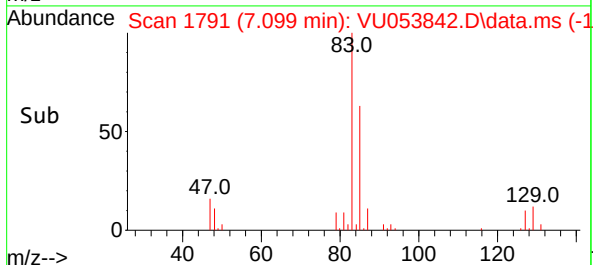
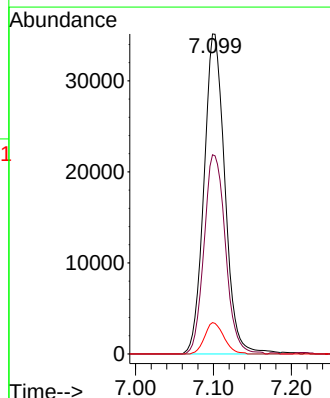
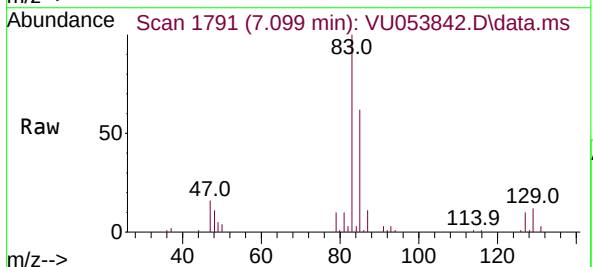
Tgt Ion: 83 Resp: 65542

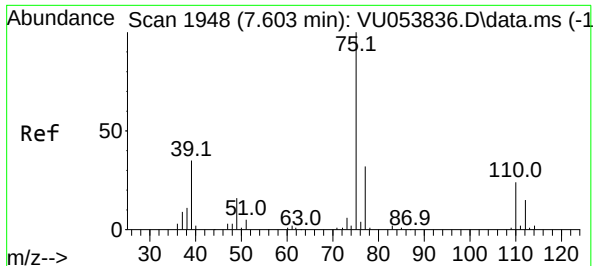
Ion Ratio Lower Upper

83 100

85 62.3 45.2 84.0

127 9.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 4.946 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

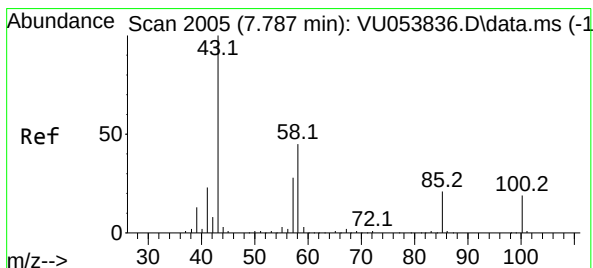
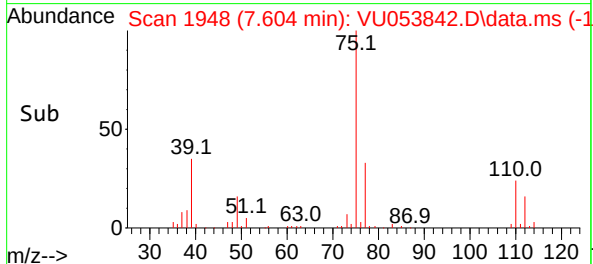
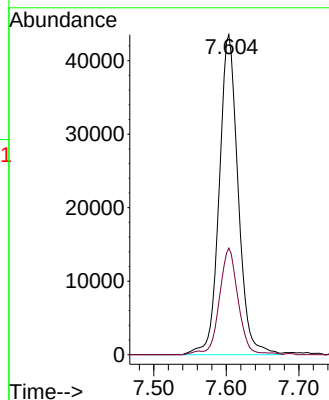
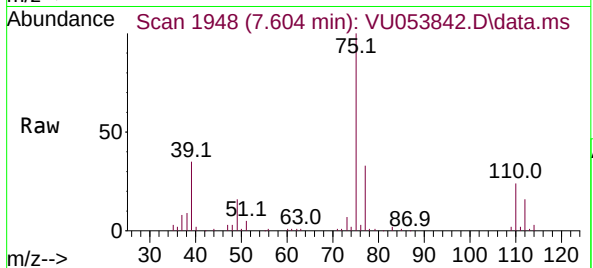
VSTD005157

Tgt Ion: 75 Resp: 78907

Ion Ratio Lower Upper

75 100

77 33.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 49.395 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

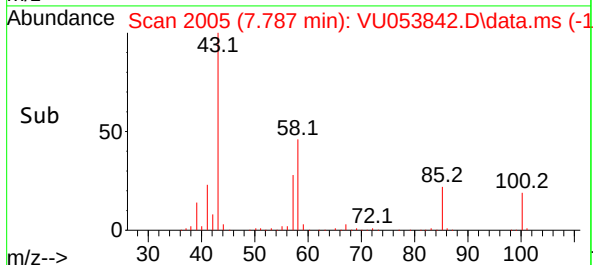
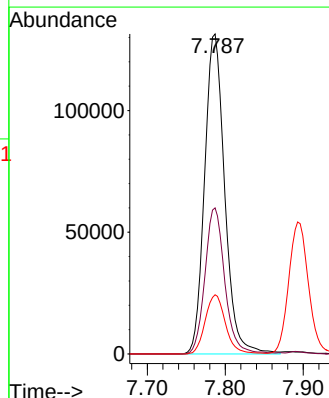
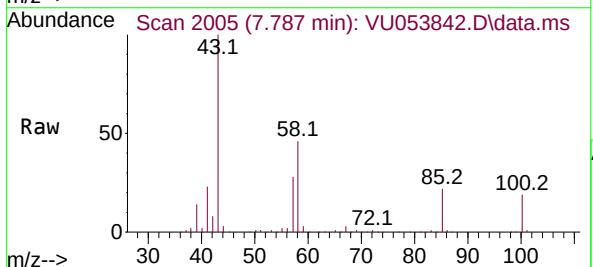
Tgt Ion: 43 Resp: 235743

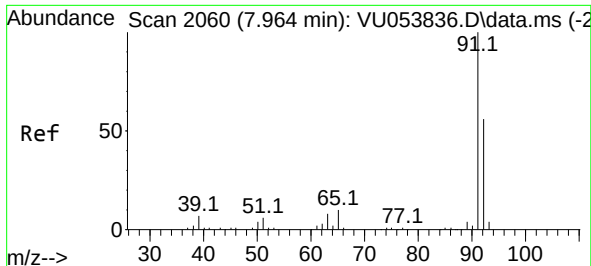
Ion Ratio Lower Upper

43 100

58 45.0 36.0 54.0

100 18.7 15.1 22.7





#42

Toluene

Concen: 5.063 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

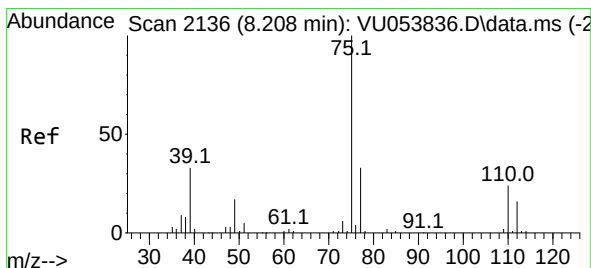
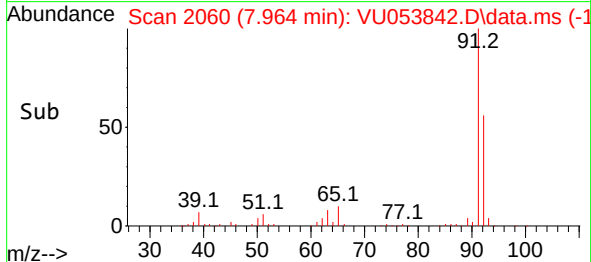
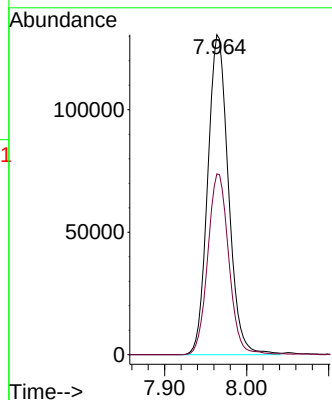
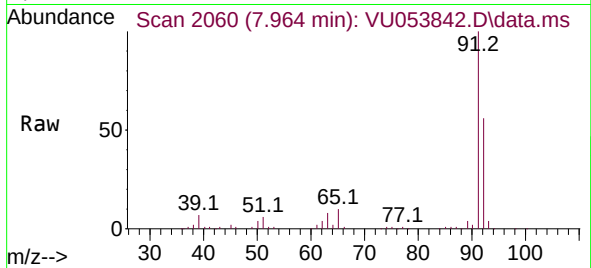
VSTD005157

Tgt Ion: 91 Resp: 228966

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.015 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053842.D

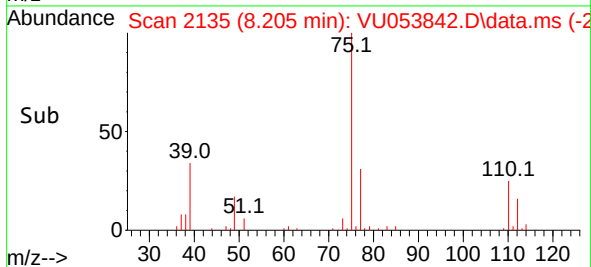
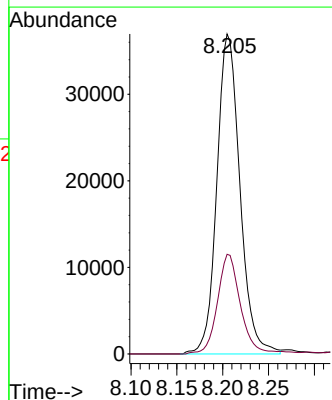
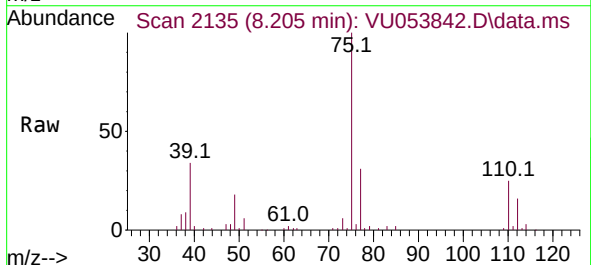
Acq: 24 Apr 2023 14:23

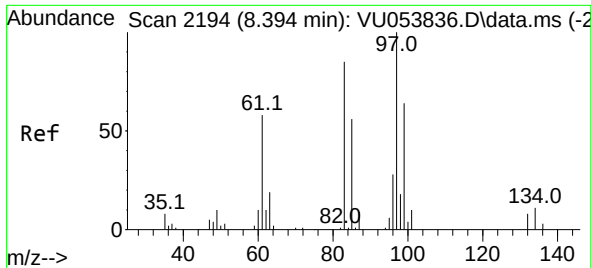
Tgt Ion: 75 Resp: 64707

Ion Ratio Lower Upper

75 100

77 31.2 23.3 43.3



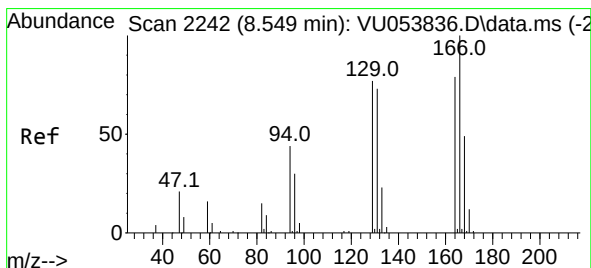
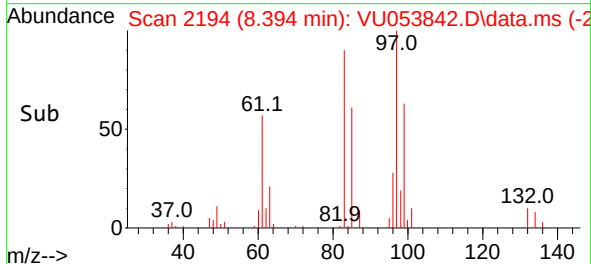
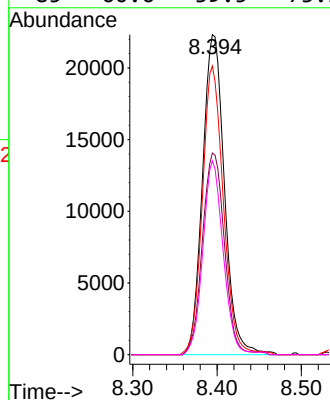
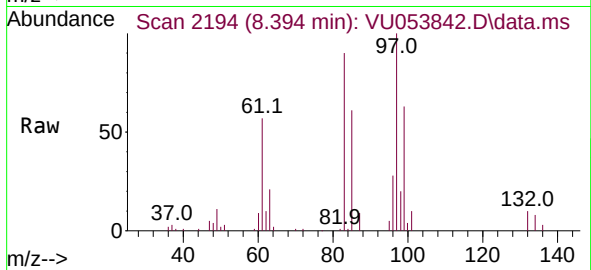


#45
1,1,2-Trichloroethane
Concen: 5.106 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

Tgt Ion: 97 Resp: 40493

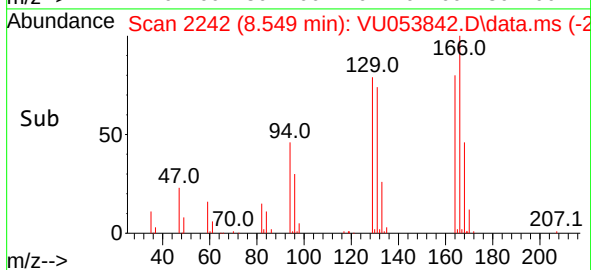
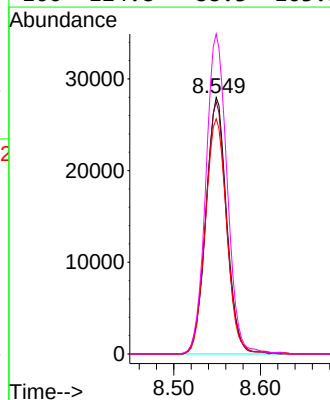
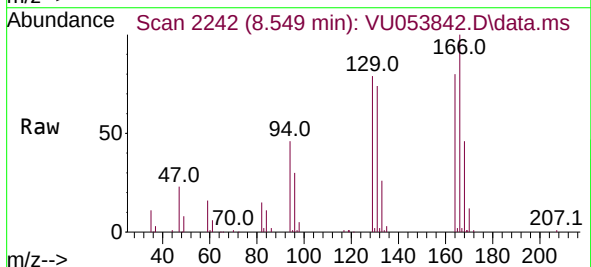
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.7	83.1
83	90.2	59.8	111.1
85	60.6	39.5	73.3

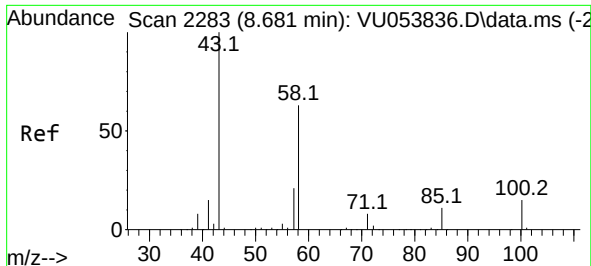


#47
Tetrachloroethene
Concen: 5.073 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 164 Resp: 46727

Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.3	126.8
131	91.7	64.4	119.6
166	124.8	88.3	163.9



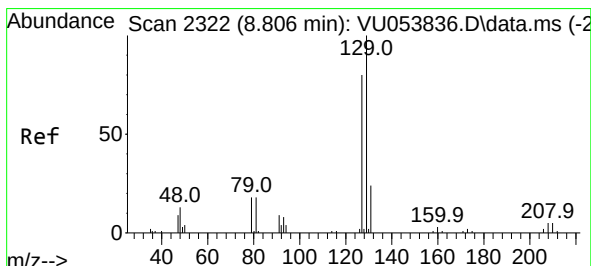
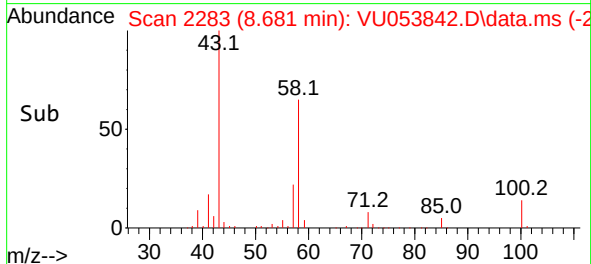
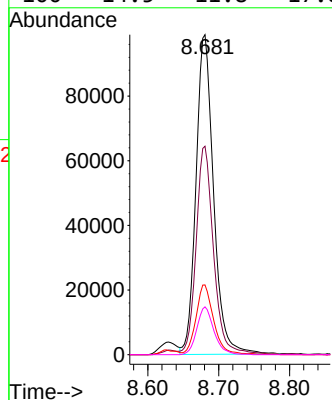
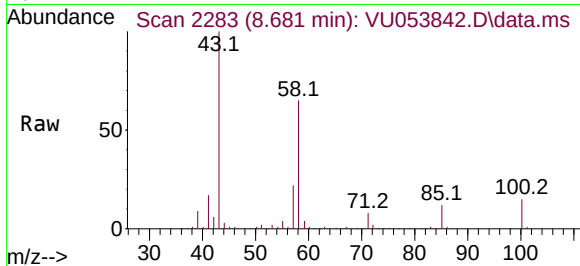


#48
2-Hexanone
Concen: 47.035 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

Tgt Ion: 43 Resp: 170623

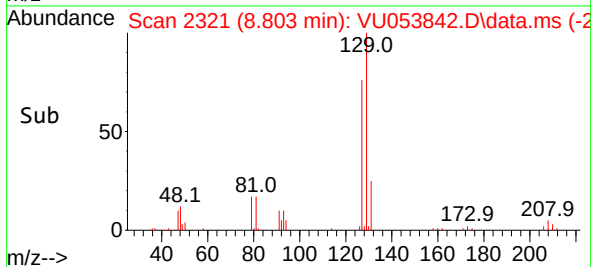
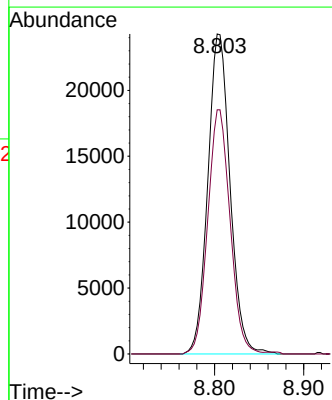
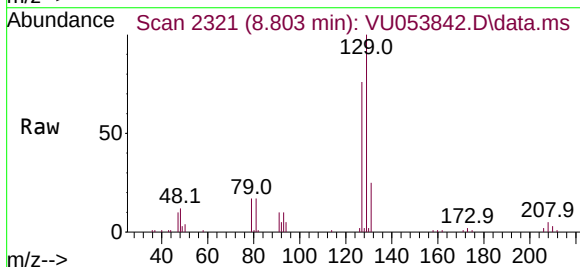
Ion	Ratio	Lower	Upper
43	100		
58	64.4	49.8	74.6
57	21.6	16.9	25.3
100	14.5	11.8	17.8

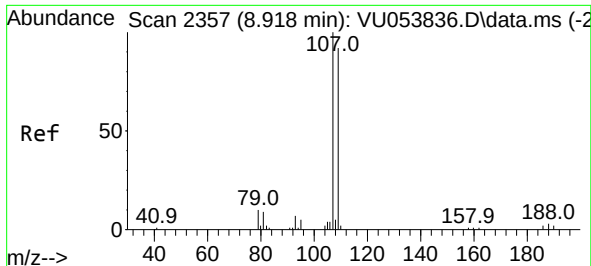


#49
Dibromochloromethane
Concen: 5.019 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 129 Resp: 42144

Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.7	103.5

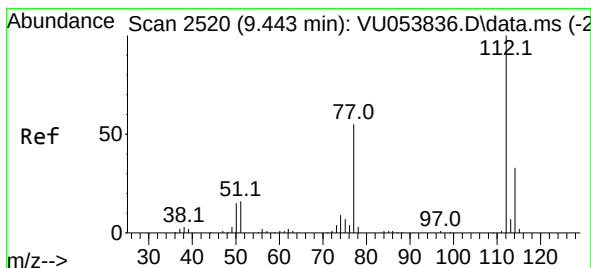
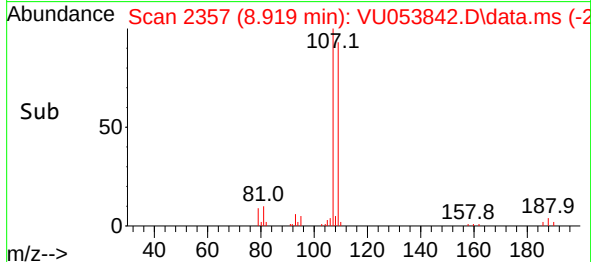
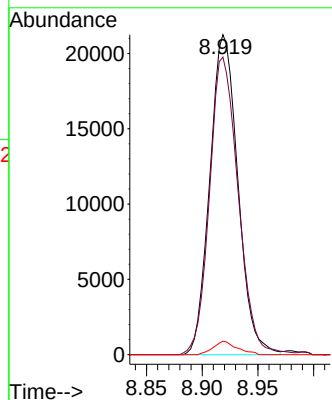
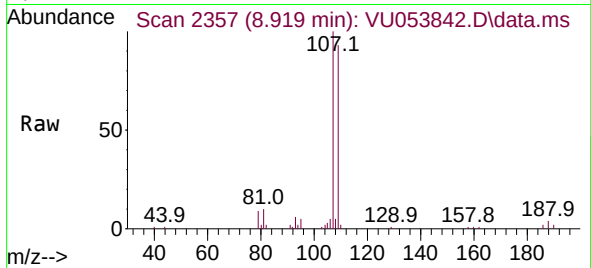




#50
1,2-Dibromoethane
Concen: 5.076 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

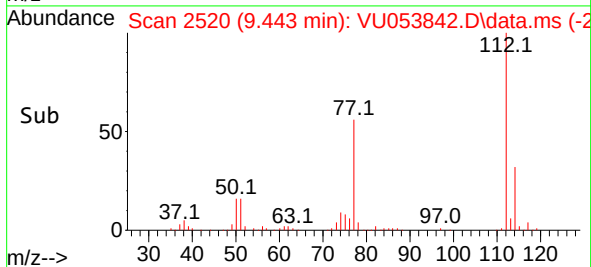
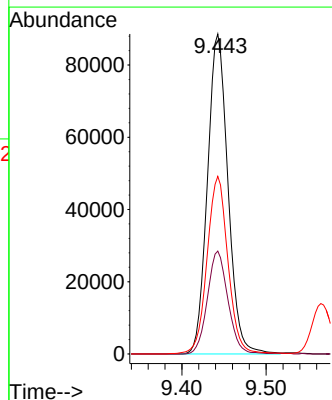
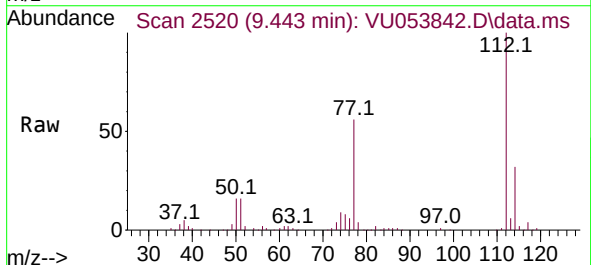
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

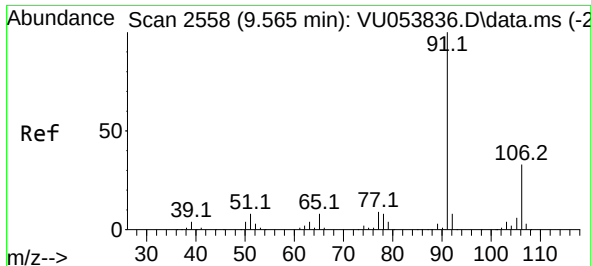
Tgt Ion:107 Resp: 37238
Ion Ratio Lower Upper
107 100
109 93.0 64.3 119.5
188 4.2 2.1 3.1#



#51
Chlorobenzene
Concen: 4.894 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion:112 Resp: 150253
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.6
77 55.5 44.4 66.6

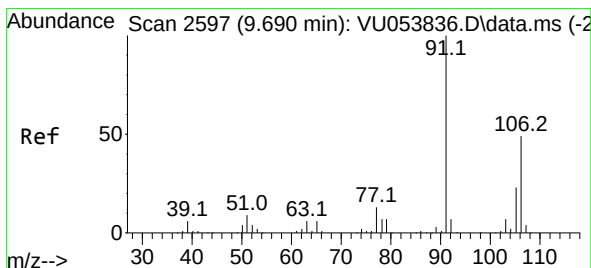
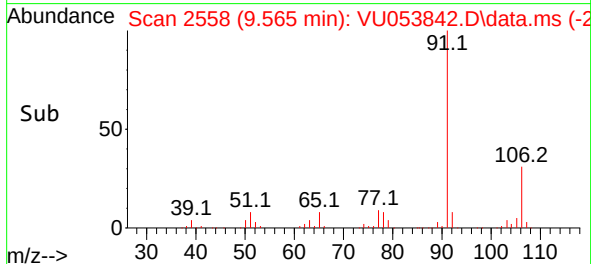
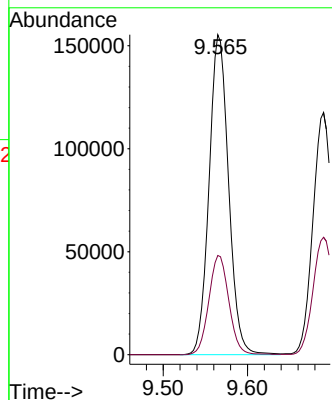
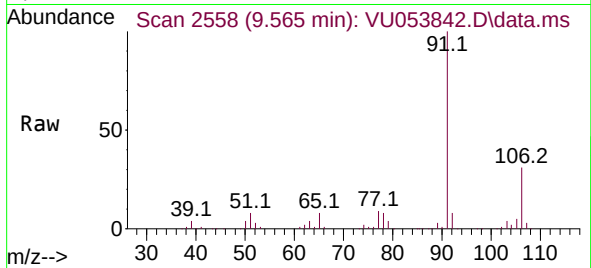




#52
Ethylbenzene
Concen: 5.033 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

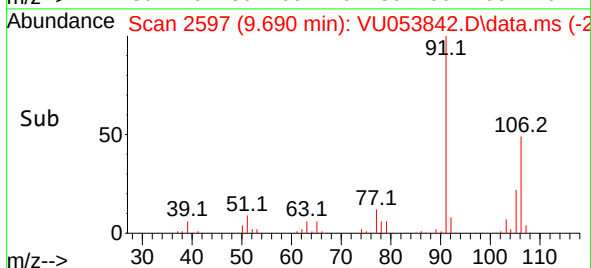
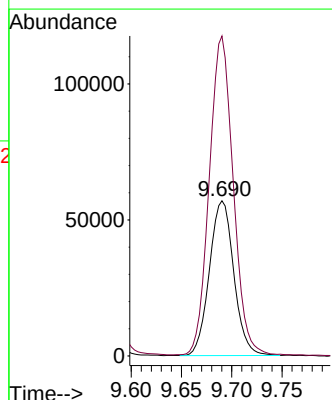
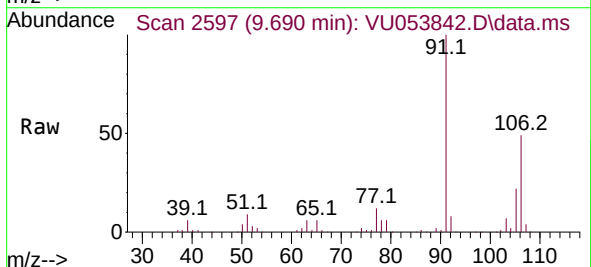
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

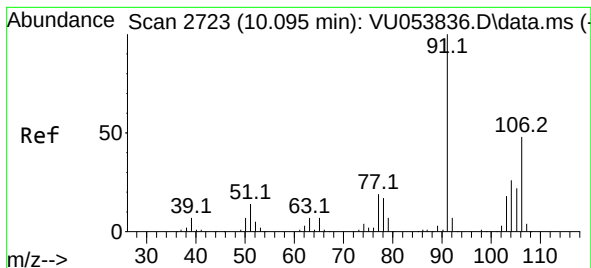
Tgt Ion: 91 Resp: 249965
Ion Ratio Lower Upper
91 100
106 31.0 22.8 42.4



#53
m,p-Xylene
Concen: 5.057 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion: 106 Resp: 96222
Ion Ratio Lower Upper
106 100
91 206.2 142.2 264.0





#54

o-Xylene

Concen: 5.080 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

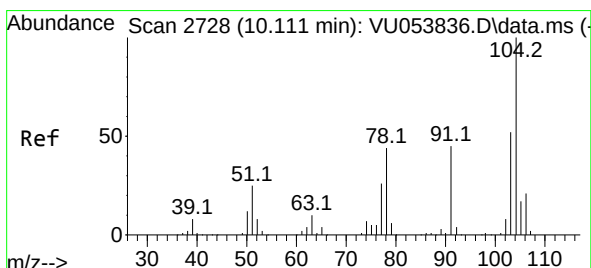
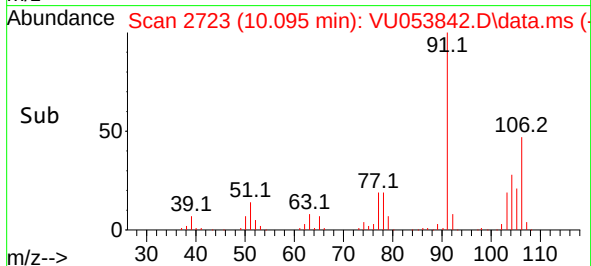
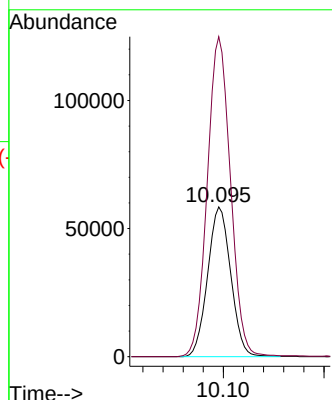
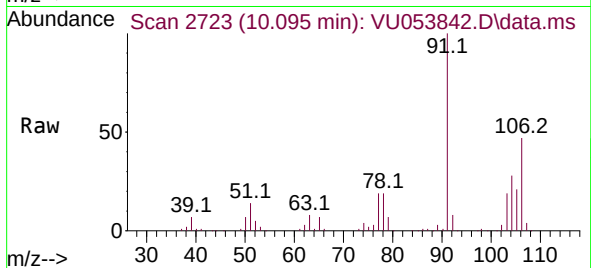
VSTD005157

Tgt Ion:106 Resp: 93273

Ion Ratio Lower Upper

106 100

91 213.7 145.5 270.1



#55

Styrene

Concen: 5.100 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU053842.D

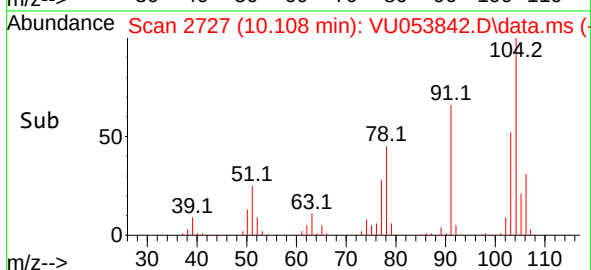
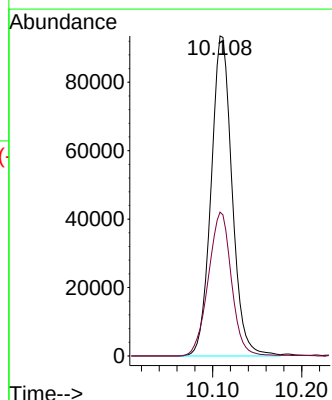
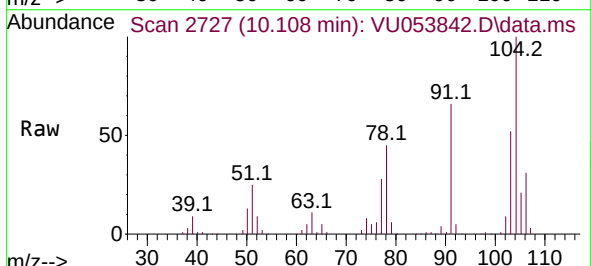
Acq: 24 Apr 2023 14:23

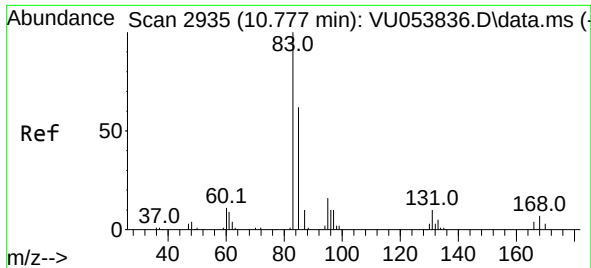
Tgt Ion:104 Resp: 153194

Ion Ratio Lower Upper

104 100

78 44.9 30.9 57.5

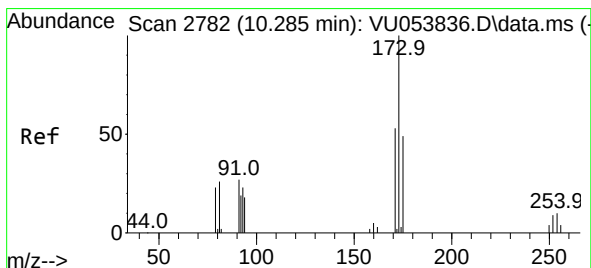
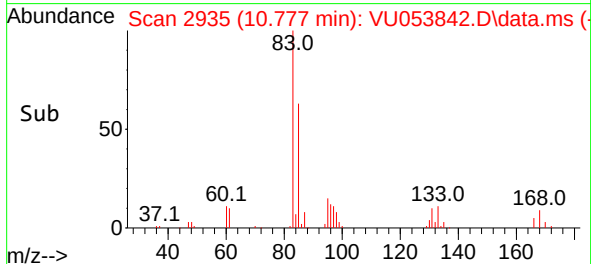
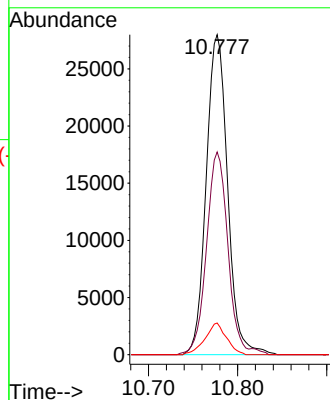
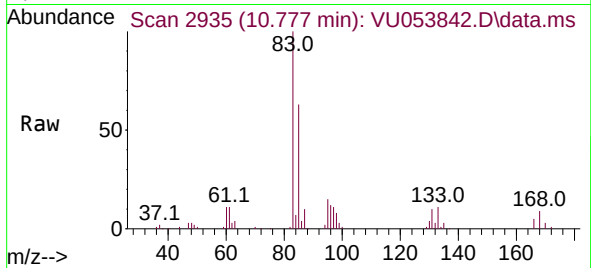




#57
1,1,2,2-Tetrachloroethane
Concen: 4.926 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

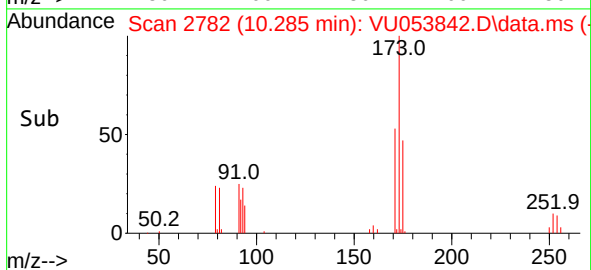
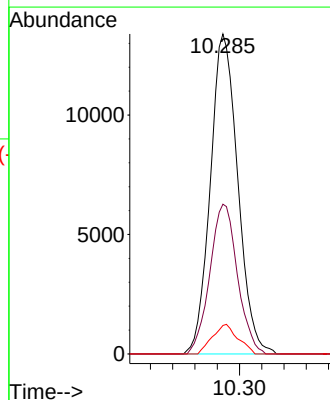
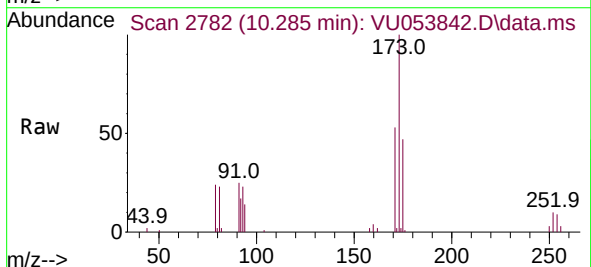
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

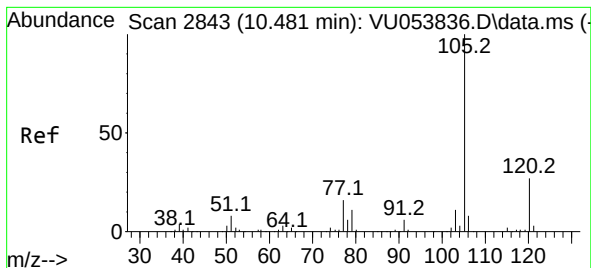
Tgt Ion:	83	Resp:	46575
Ion	Ratio	Lower	Upper
83	100		
85	63.4	43.5	80.9
131	9.9	7.8	11.6



#59
Bromoform
Concen: 4.953 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion:	173	Resp:	22906
Ion	Ratio	Lower	Upper
173	100		
175	47.0	37.4	56.2
254	8.5	7.1	10.7





#60

Isopropylbenzene

Concen: 5.216 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005157

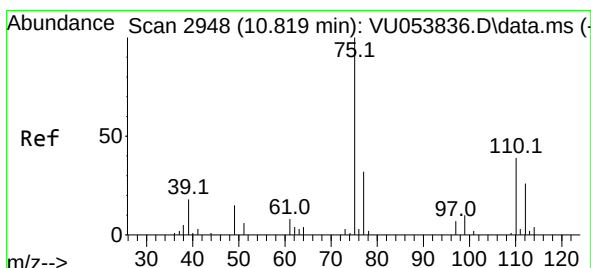
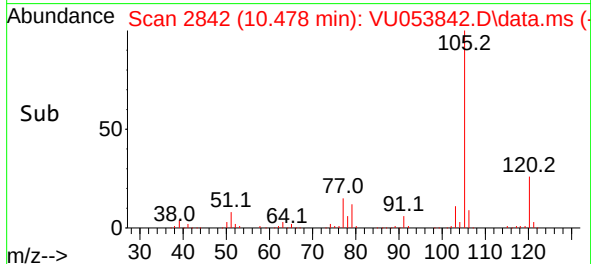
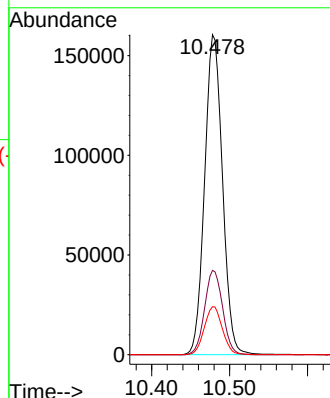
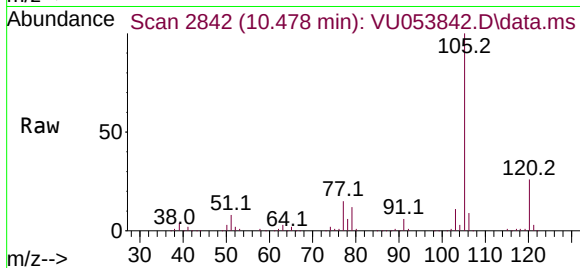
Tgt Ion:105 Resp: 255104

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

77 15.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.008 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

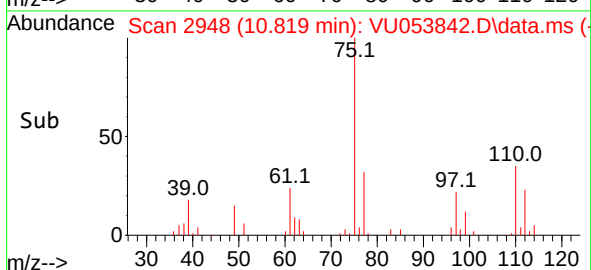
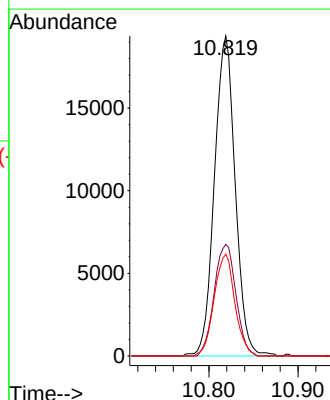
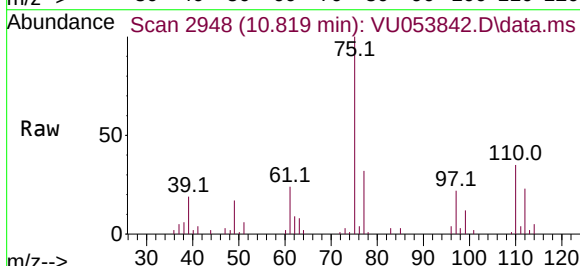
Tgt Ion: 75 Resp: 31410

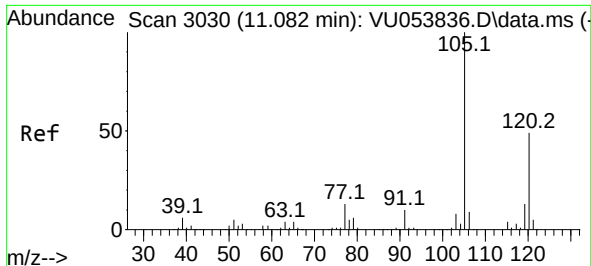
Ion Ratio Lower Upper

75 100

110 36.4 30.7 46.1

77 31.7 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 5.150 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

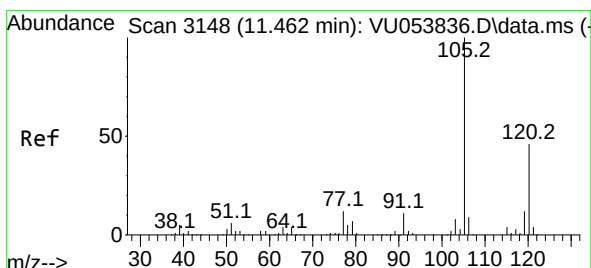
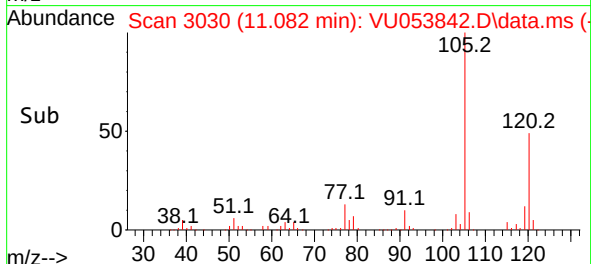
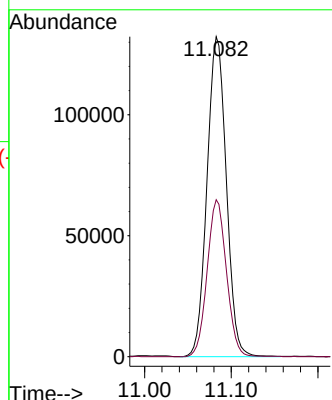
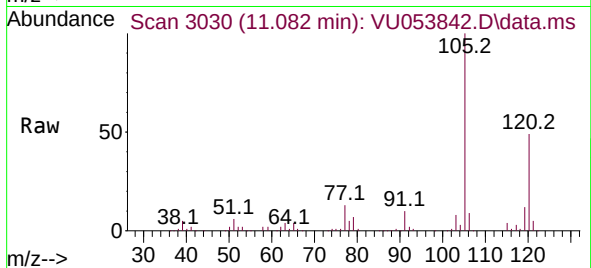
VSTD005157

Tgt Ion:105 Resp: 204736

Ion Ratio Lower Upper

105 100

120 49.0 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 5.213 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053842.D

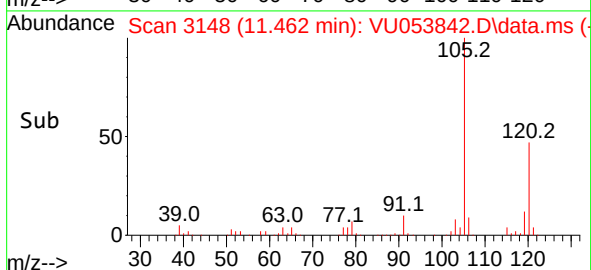
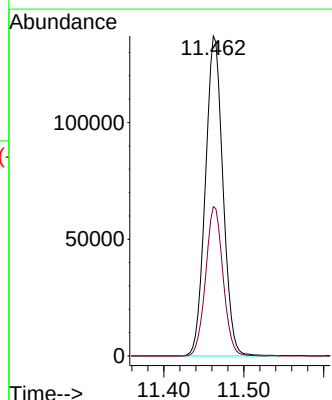
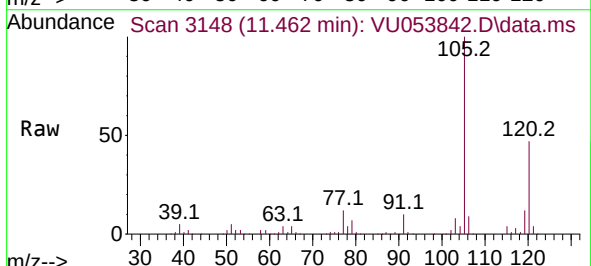
Acq: 24 Apr 2023 14:23

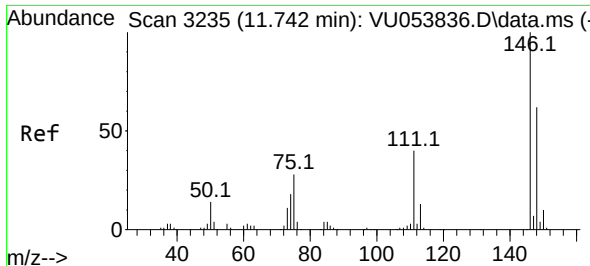
Tgt Ion:105 Resp: 209719

Ion Ratio Lower Upper

105 100

120 46.1 37.1 55.7

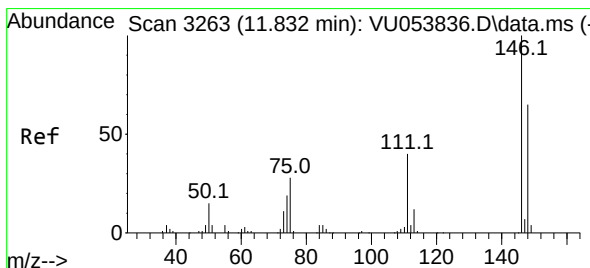
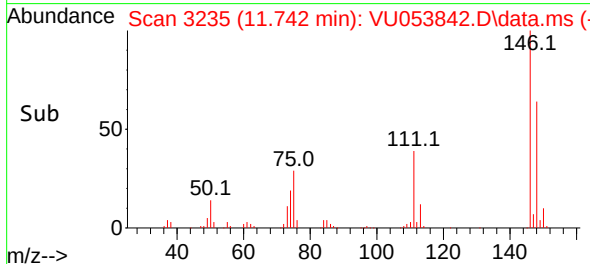
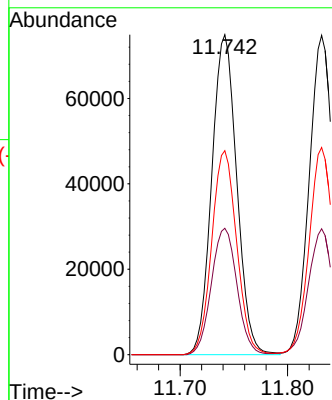
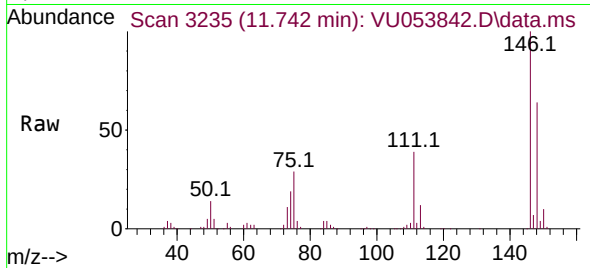




#64
1,3-Dichlorobenzene
Concen: 4.948 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

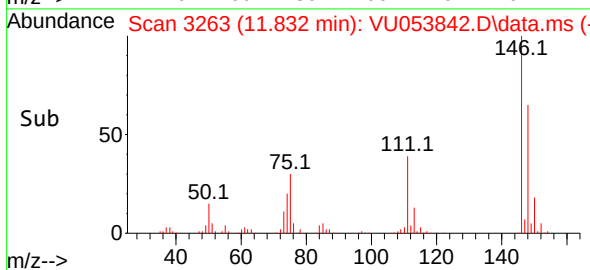
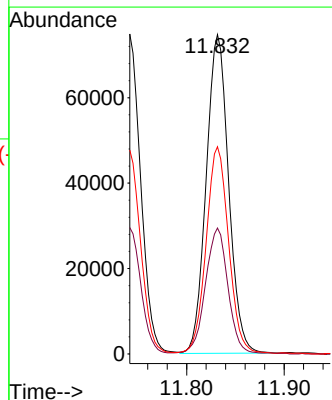
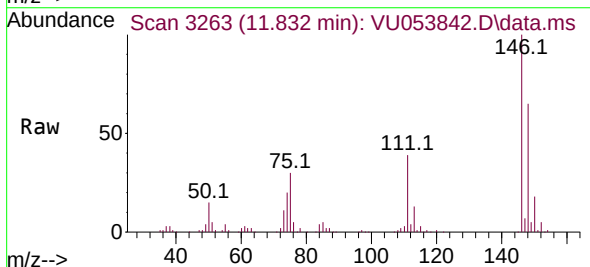
Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

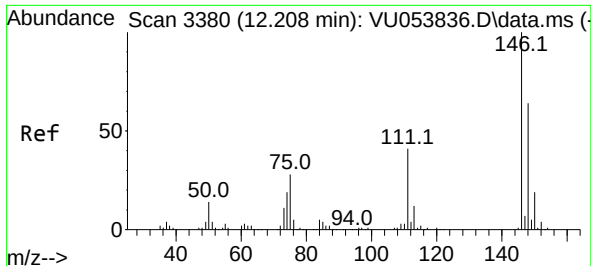
Tgt Ion:146 Resp: 120931
Ion Ratio Lower Upper
146 100
111 39.5 27.9 51.9
148 63.8 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.835 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion:146 Resp: 119391
Ion Ratio Lower Upper
146 100
111 39.4 28.3 52.7
148 64.9 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 4.897 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005157

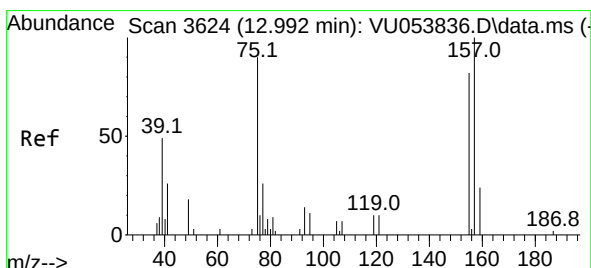
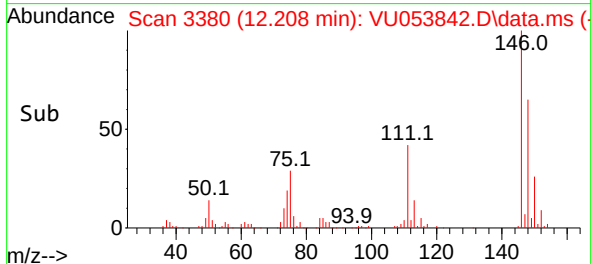
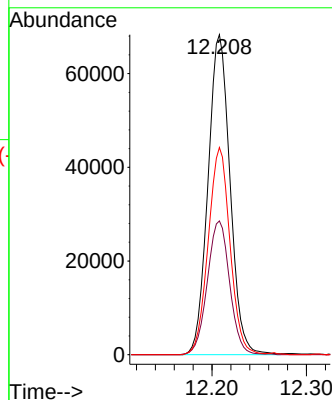
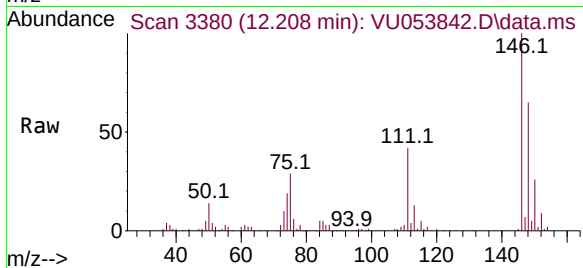
Tgt Ion:146 Resp: 110531

Ion Ratio Lower Upper

146 100

111 41.8 32.6 49.0

148 64.7 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.812 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053842.D

Acq: 24 Apr 2023 14:23

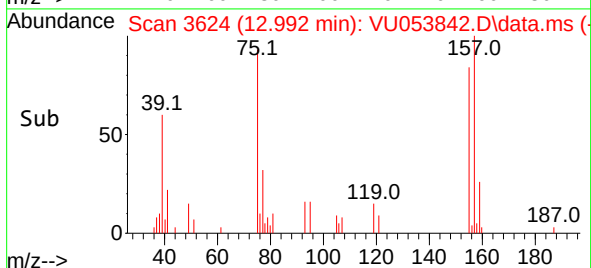
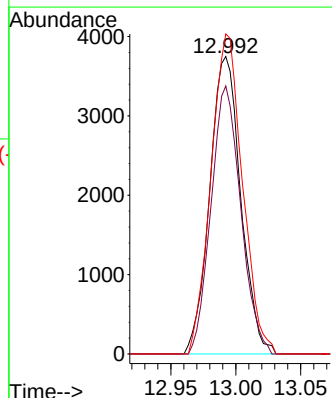
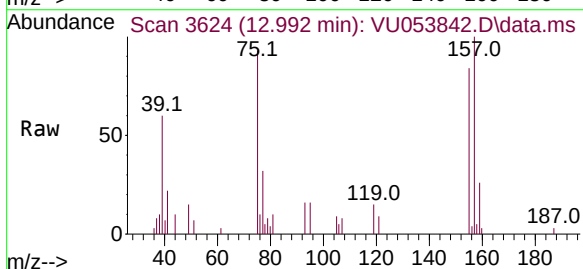
Tgt Ion: 75 Resp: 6219

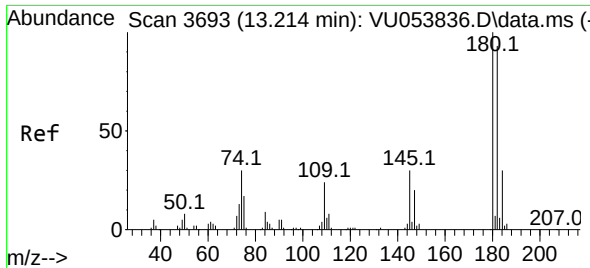
Ion Ratio Lower Upper

75 100

155 90.1 72.8 109.2

157 107.6 89.1 133.7

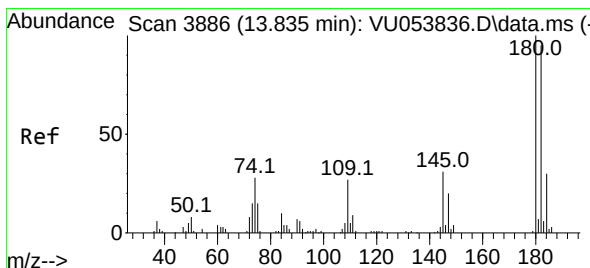
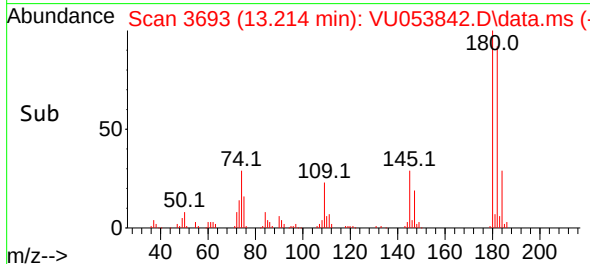
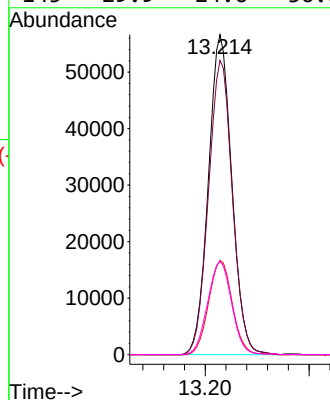
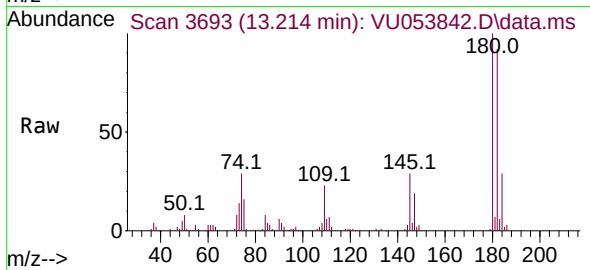




#69
 1,3,5-Trichlorobenzene
 Concen: 5.053 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053842.D
 Acq: 24 Apr 2023 14:23

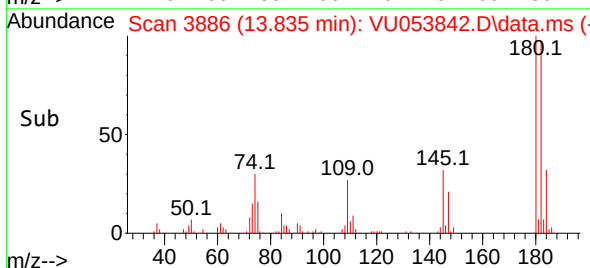
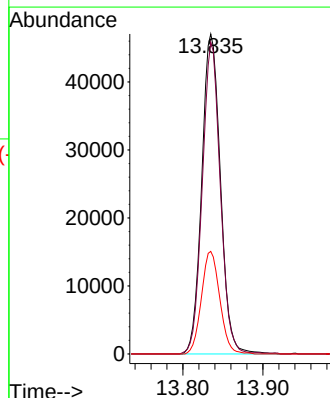
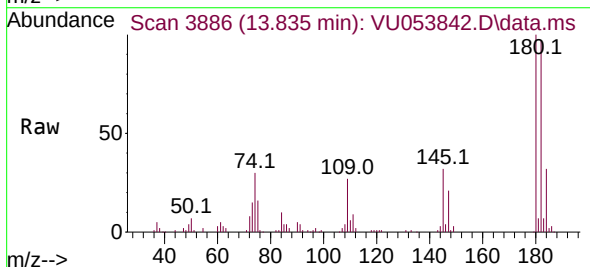
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005157

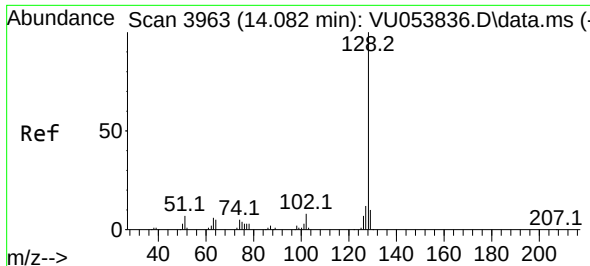
Tgt Ion:	180	Resp:	88424
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.1	112.7
184	29.9	24.2	36.2
145	29.9	24.6	36.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.807 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053842.D
 Acq: 24 Apr 2023 14:23

Tgt Ion:	180	Resp:	76583
Ion Ratio	Lower	Upper	
180	100		
182	93.6	75.5	113.3
145	31.5	25.8	38.6

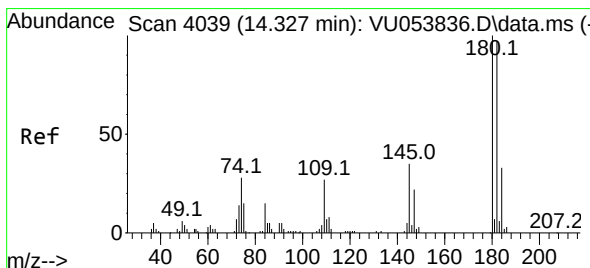
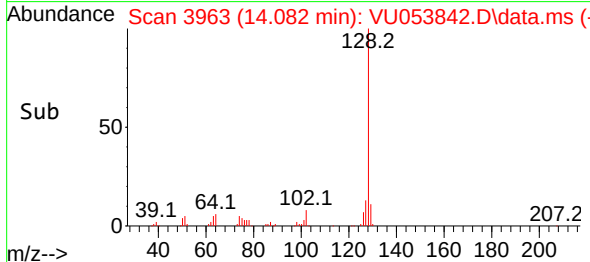
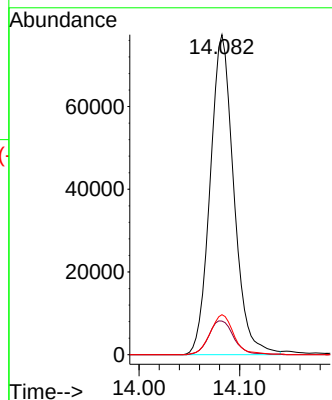
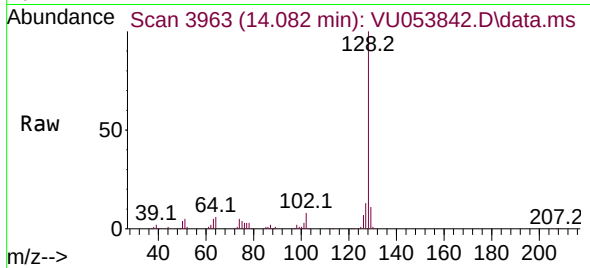




#71
Naphthalene
Concen: 4.498 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005157

Tgt Ion:128 Resp: 126648
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 12.6 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.774 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053842.D
Acq: 24 Apr 2023 14:23

Tgt Ion:180 Resp: 67858
Ion Ratio Lower Upper
180 100
182 94.9 77.4 116.2
145 32.8 26.8 40.2

