

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054377.D
 Acq On : 01 Jun 2023 16:42
 Operator : JC/MD
 Sample : VSTD01024
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010024

Quant Time: Jun 02 01:30:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	337511	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	333578	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	186220	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	27222	10.379	ug/L	0.00
7) Chloroethane-d5	1.906	69	20415	11.424	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	11105	10.427	ug/L	0.00
21) 2-Butanone-d5	4.629	46	43429	20.664	ug/L	0.00
24) Chloroform-d	5.057	84	48046	10.603	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	29820	10.636	ug/L	0.00
32) Benzene-d6	5.723	84	94568	10.579	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	31363	10.468	ug/L	0.00
41) Toluene-d8	7.893	98	84184	10.409	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	14695	10.434	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	26006	18.932	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	47856	10.678	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	34514	10.560	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	13821	10.787	ug/L	96
3) Chloromethane	1.520	50	17966	11.388	ug/L	99
5) Vinyl chloride	1.601	62	18860	10.908	ug/L	95
6) Bromomethane	1.855	94	9973	11.363	ug/L	94
8) Chloroethane	1.925	64	10967	11.093	ug/L	99
9) Trichlorofluoromethane	2.131	101	27573	10.876	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	17772	10.658	ug/L	98
12) 1,1-Dichloroethene	2.575	96	15071	10.801	ug/L	95
13) Acetone	2.636	43	34708	24.126	ug/L	98
14) Carbon disulfide	2.787	76	28192	10.963	ug/L	98
15) Methyl Acetate	2.951	43	26594	11.212	ug/L	100
16) Methylene chloride	3.044	84	24725	11.903	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	14977	10.682	ug/L	93
18) Methyl tert-butyl Ether	3.359	73	60611	10.525	ug/L	100
19) 1,1-Dichloroethane	3.864	63	35642	10.905	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	19910	10.665	ug/L	94
22) 2-Butanone	4.713	43	39580	21.349	ug/L	96
23) Bromochloromethane	4.973	128	9960	10.324	ug/L	88
25) Chloroform	5.083	83	38162	10.953	ug/L	94
27) 1,2-Dichloroethane	5.790	62	26611	10.471	ug/L #	95
29) Cyclohexane	5.382	56	22291	10.405	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	30439	10.844	ug/L	99
31) Carbon tetrachloride	5.520	117	25212	10.874	ug/L	99
33) Benzene	5.768	78	72783	10.803	ug/L	100
34) Trichloroethene	6.536	95	19540	10.912	ug/L	96
35) Methylcyclohexane	6.761	83	22909	10.373	ug/L	97
37) 1,2-Dichloropropane	6.787	63	20921	10.504	ug/L #	94
38) Bromodichloromethane	7.102	83	28775	10.952	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	33226	10.799	ug/L	95
40) 4-Methyl-2-pentanone	7.787	43	66081	20.807	ug/L	100
42) Toluene	7.967	91	75788	10.667	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	30562	10.197	ug/L	99

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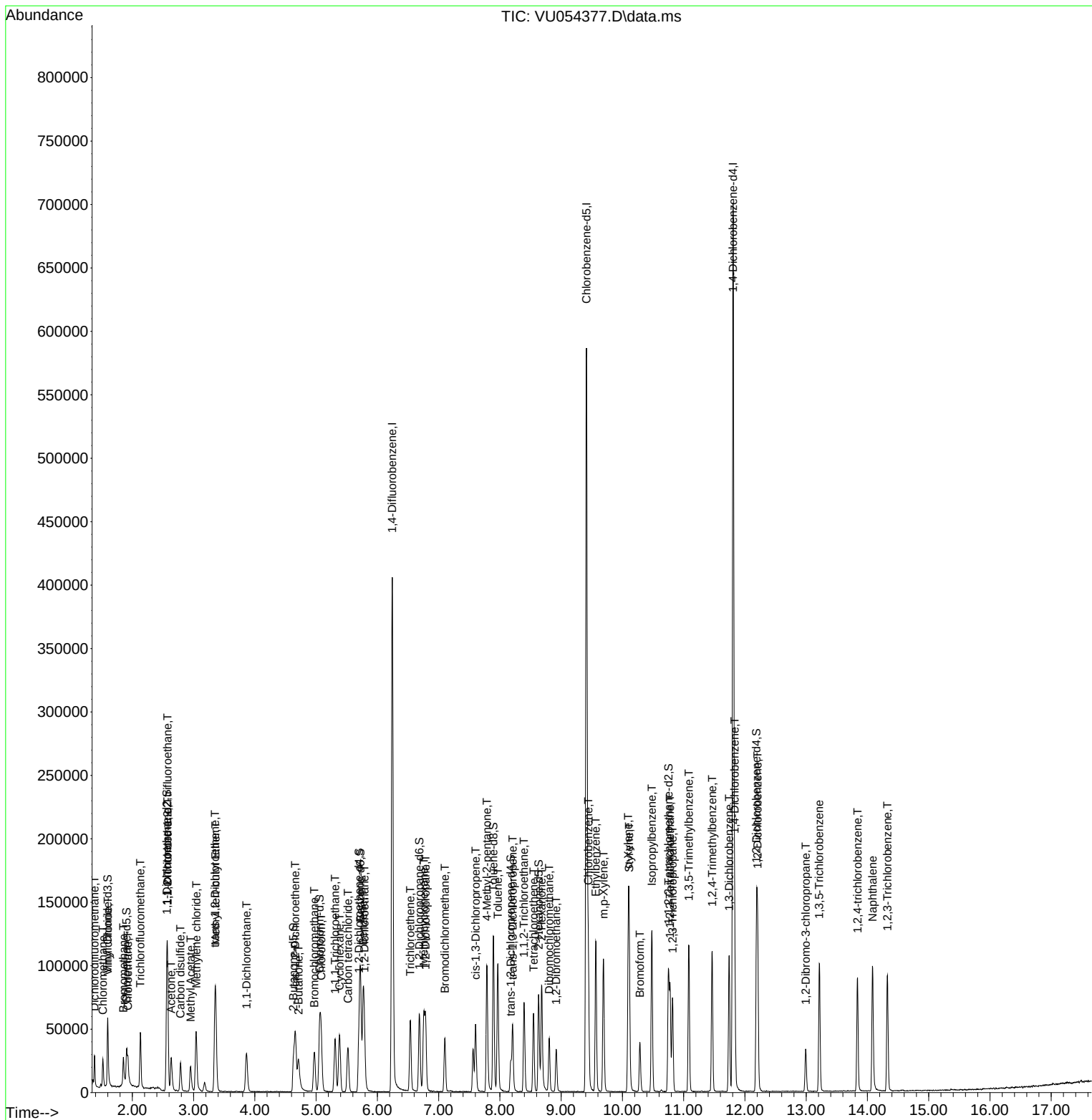
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010024

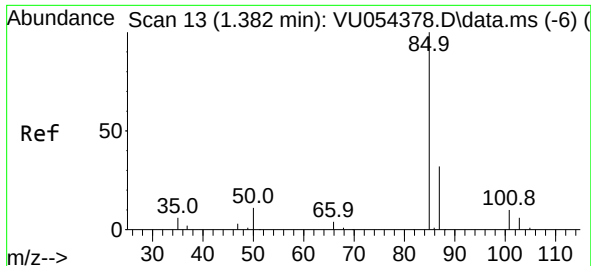
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	22876	10.856	ug/L	96
46) Tetrachloroethene	8.552	164	14919	11.312	ug/L	88
48) 2-Hexanone	8.681	43	54367	21.006	ug/L	95
49) Dibromochloromethane	8.806	129	21247	10.492	ug/L	97
50) 1,2-Dibromoethane	8.919	107	23323	10.788	ug/L	95
51) Chlorobenzene	9.443	112	54652	10.968	ug/L	97
52) Ethylbenzene	9.565	91	84105	10.474	ug/L	98
53) m,p-Xylene	9.693	106	31373	10.413	ug/L	97
54) o-Xylene	10.095	106	31128	10.401	ug/L	98
55) Styrene	10.111	104	52186	9.982	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	40429	10.846	ug/L	100
59) Bromoform	10.285	173	17124	10.313	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	31500	11.106	ug/L	99
61) Isopropylbenzene	10.481	105	82949	10.428	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	63941	9.993	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	62993	9.943	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	42708	10.484	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	47672	11.049	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	45972	10.867	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	8708	10.661	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	32183	10.597	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	30112	10.544	ug/L	96
71) Naphthalene	14.082	128	86033	9.592	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	30589	10.523	ug/L	99

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

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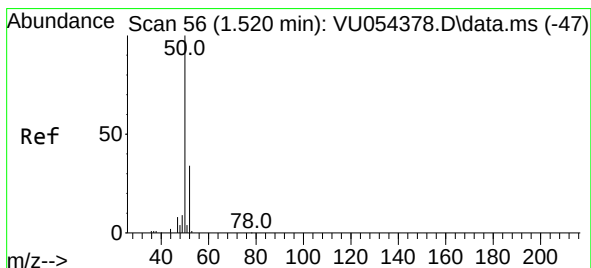
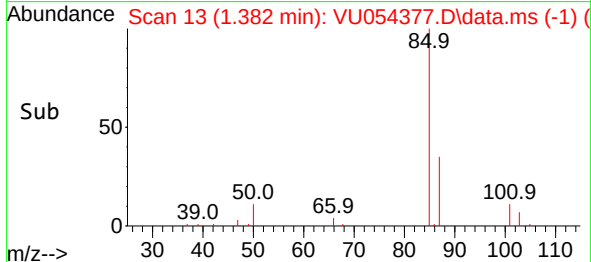
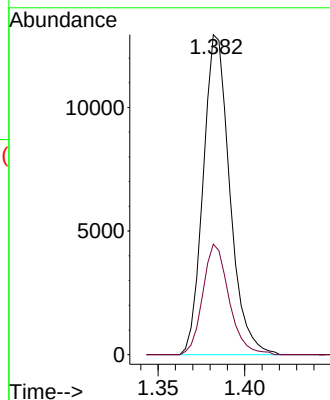
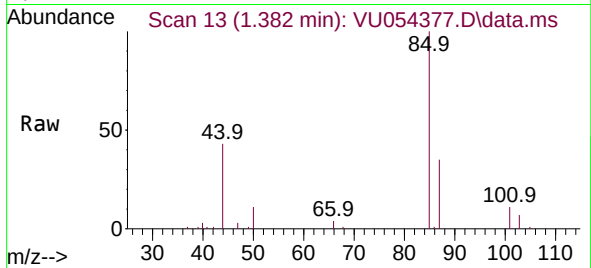




#2
Dichlorodifluoromethane
Concen: 10.787 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
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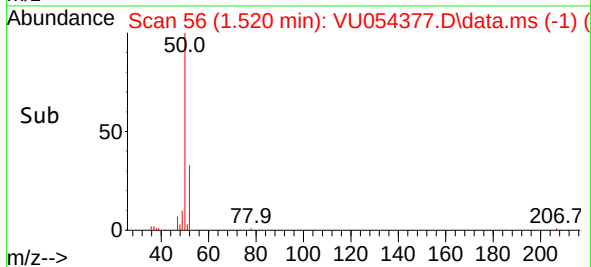
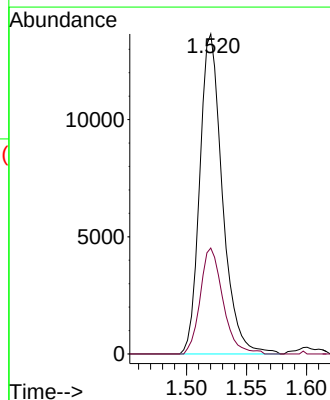
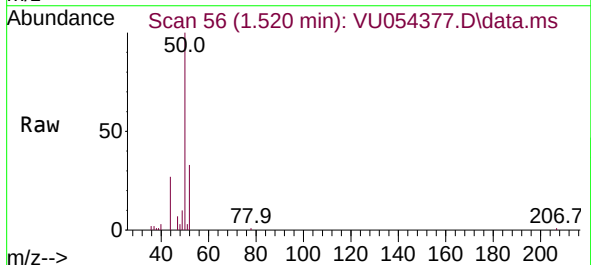
Instrument :
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ClientSampleId :
VSTD010024

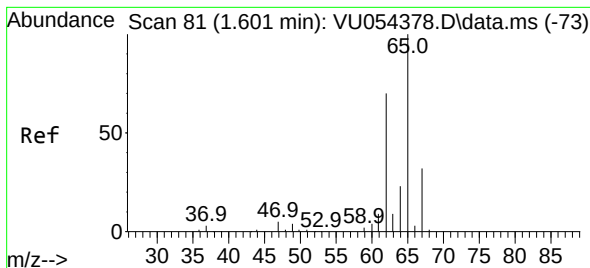
Tgt Ion: 85 Resp: 13821
Ion Ratio Lower Upper
85 100
87 34.1 25.5 38.3



#3
Chloromethane
Concen: 11.388 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion: 50 Resp: 17966
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.6





#5

Vinyl chloride

Concen: 10.908 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

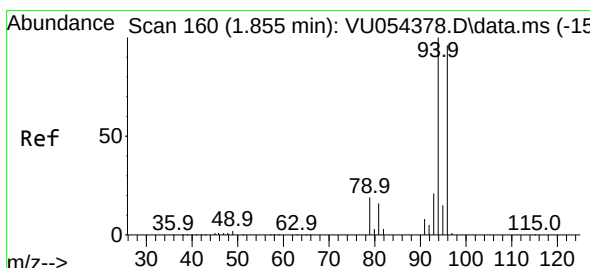
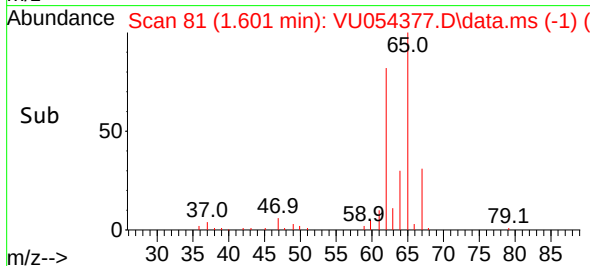
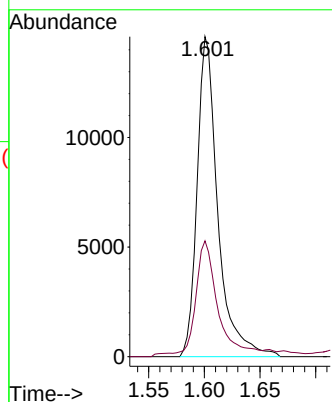
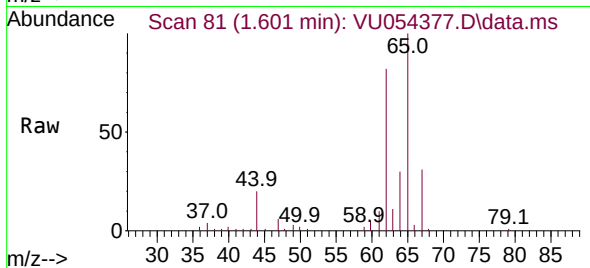
VSTD010024

Tgt Ion: 62 Resp: 18860

Ion Ratio Lower Upper

62 100

64 36.2 23.4 43.4



#6

Bromomethane

Concen: 11.363 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.000 min

Lab File: VU054377.D

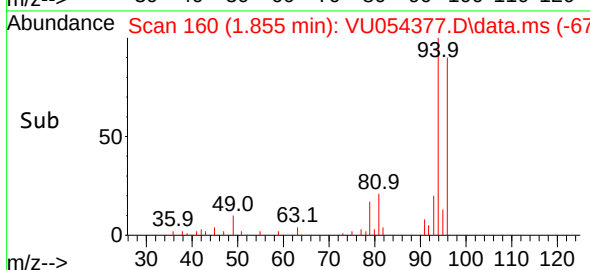
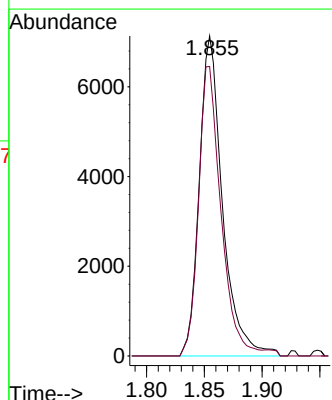
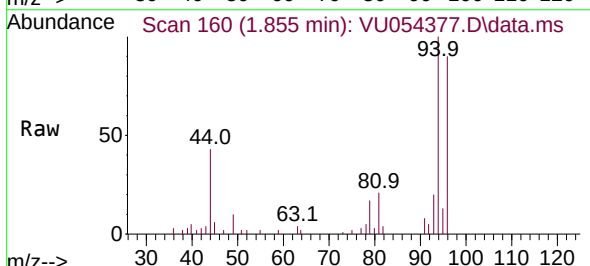
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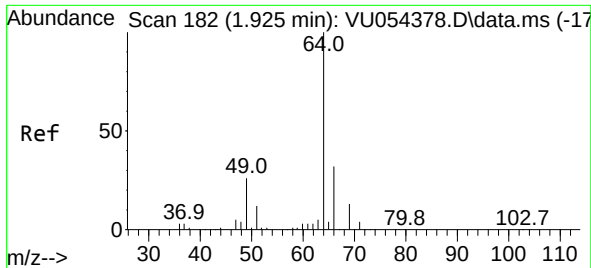
Tgt Ion: 94 Resp: 9973

Ion Ratio Lower Upper

94 100

96 90.5 67.1 124.7

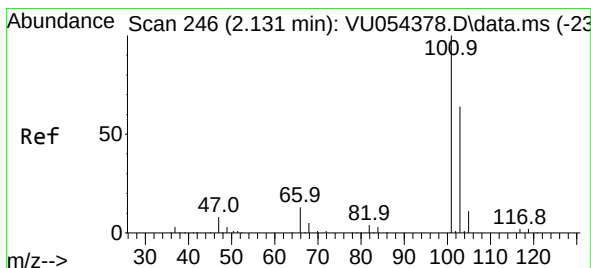
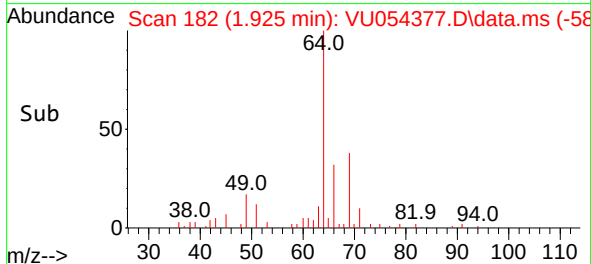
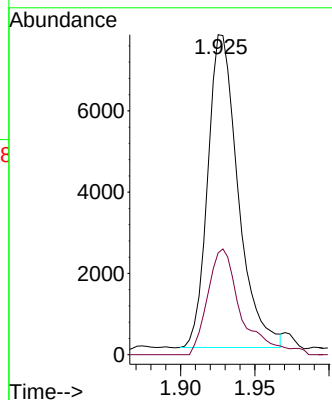
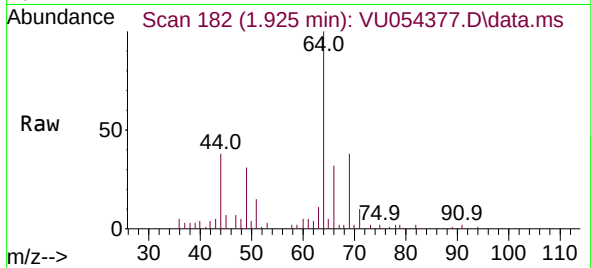




#8
Chloroethane
Concen: 11.093 ug/L
RT: 1.925 min Scan# 182
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

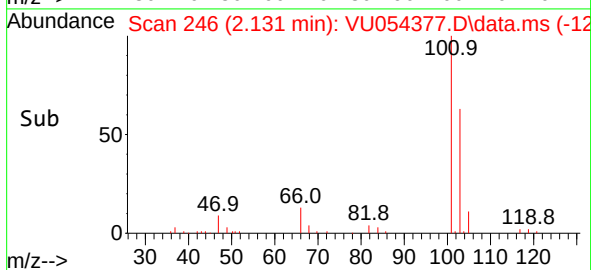
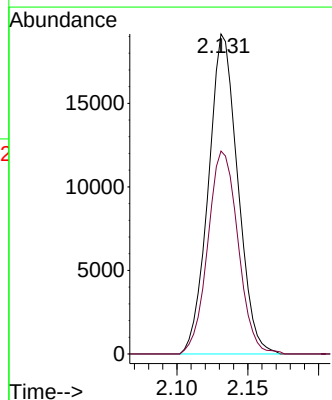
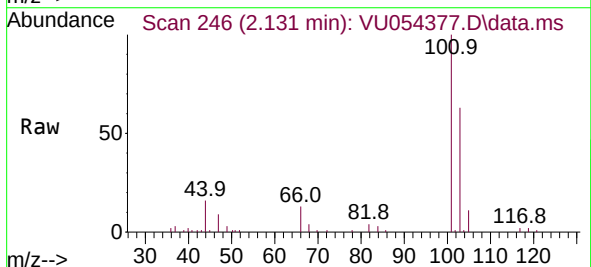
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MSVOA_U
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VSTD010024

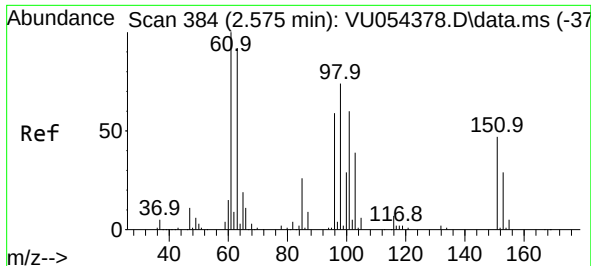
Tgt Ion: 64 Resp: 10967
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 10.876 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:101 Resp: 27573
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.658 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

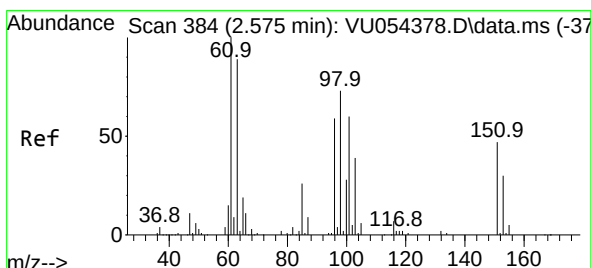
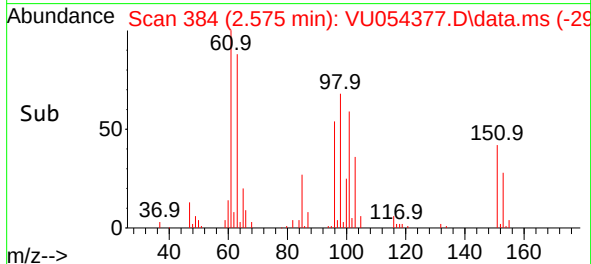
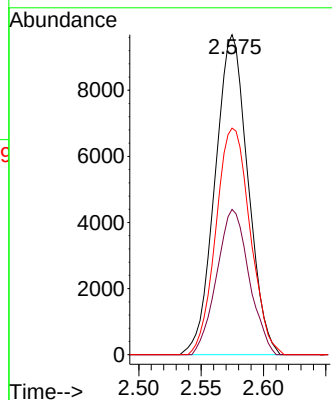
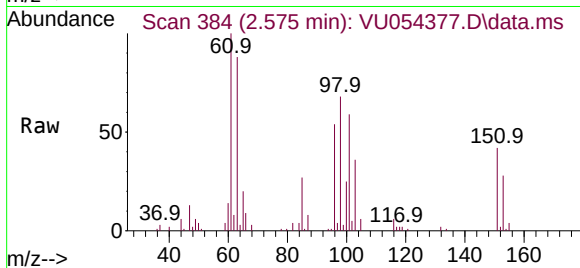
Tgt Ion:101 Resp: 17772

Ion Ratio Lower Upper

101 100

85 44.6 34.0 51.0

151 73.8 58.6 87.8



#12

1,1-Dichloroethene

Concen: 10.801 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

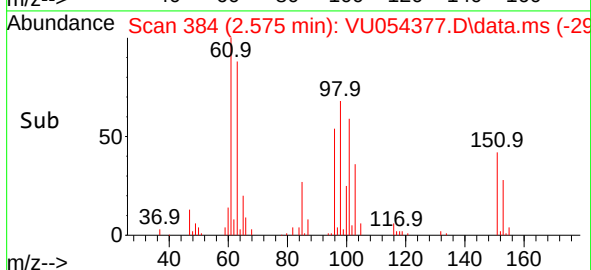
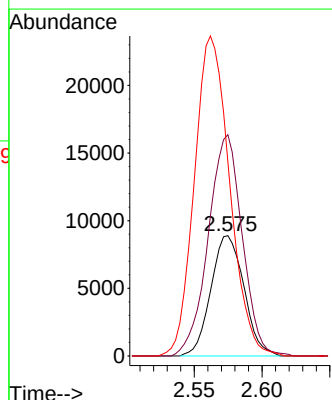
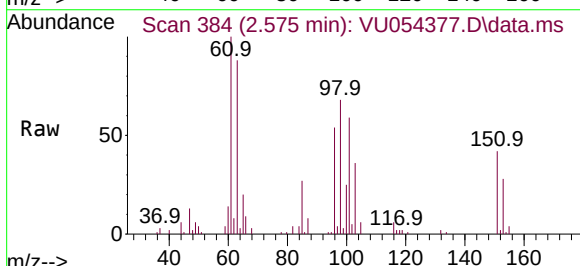
Tgt Ion: 96 Resp: 15071

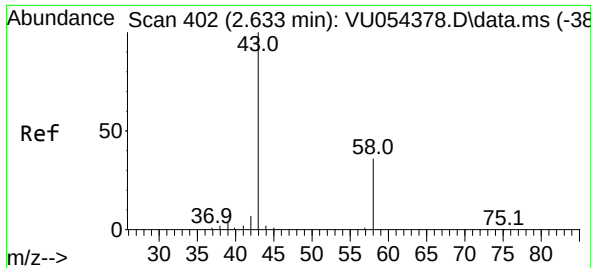
Ion Ratio Lower Upper

96 100

61 184.0 120.0 222.8

63 161.4 112.9 209.7





#13

Acetone

Concen: 24.126 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU054377.D

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ClientSampleId :

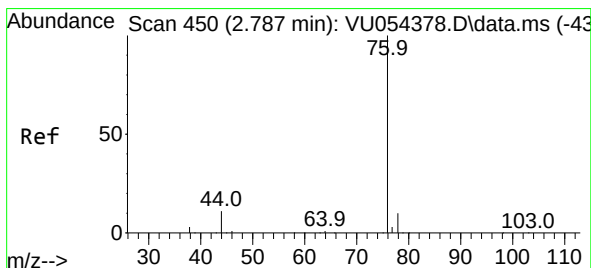
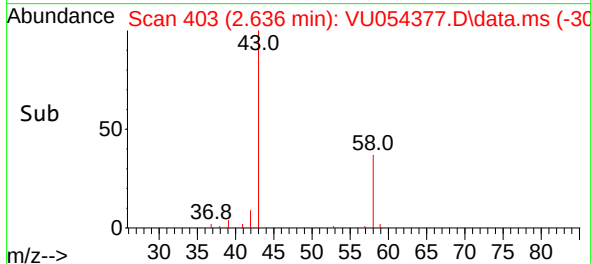
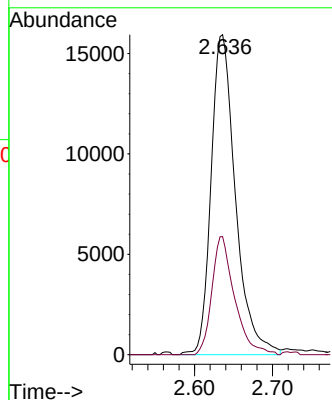
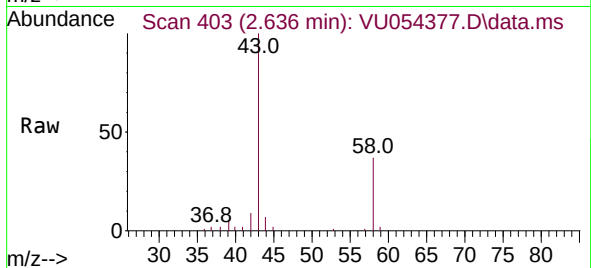
VSTD010024

Tgt Ion: 43 Resp: 34708

Ion Ratio Lower Upper

43 100

58 34.1 0.0 70.0



#14

Carbon disulfide

Concen: 10.963 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU054377.D

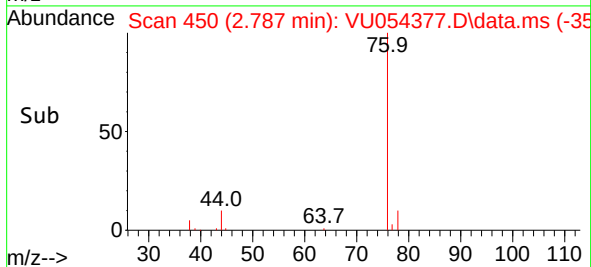
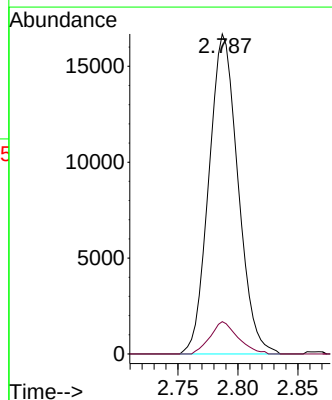
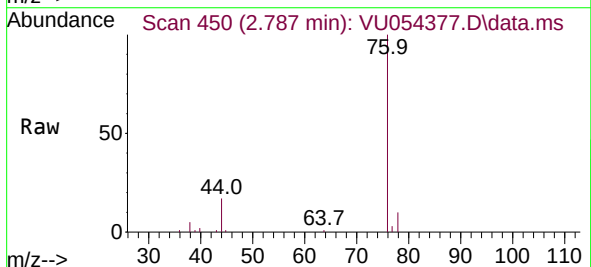
Acq: 01 Jun 2023 16:42

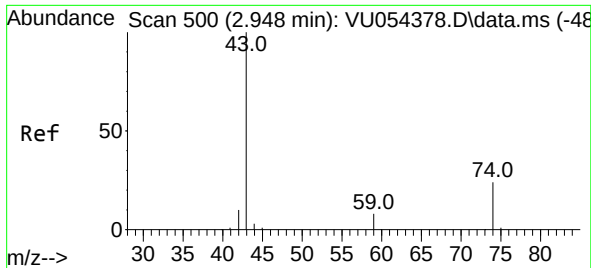
Tgt Ion: 76 Resp: 28192

Ion Ratio Lower Upper

76 100

78 10.1 7.6 11.4

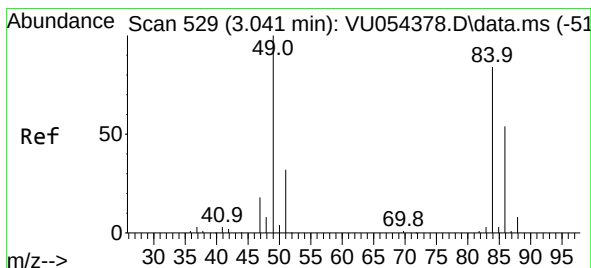
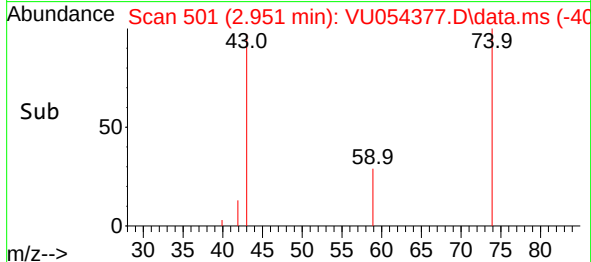
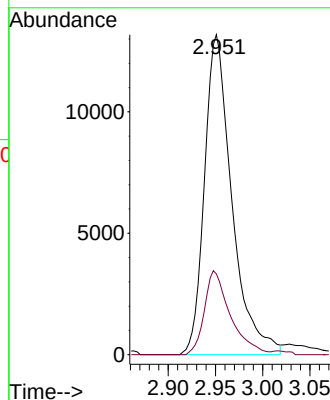
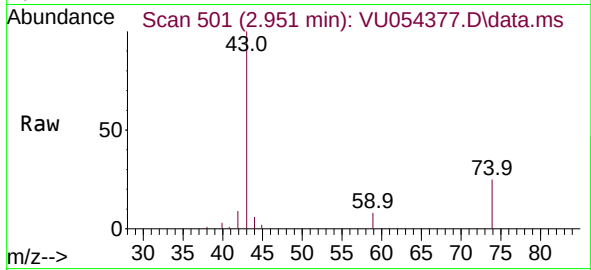




#15
Methyl Acetate
Concen: 11.212 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

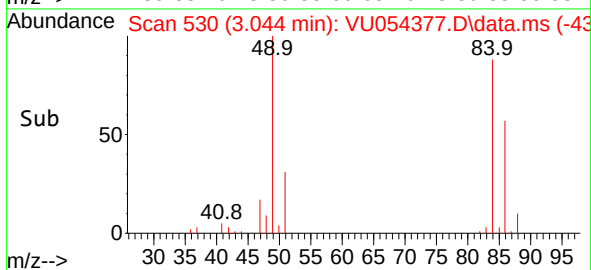
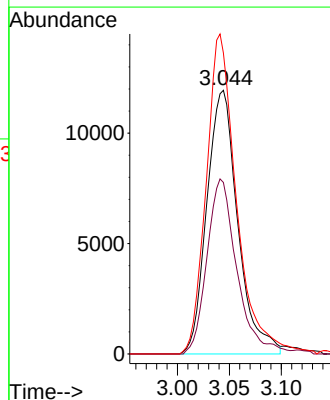
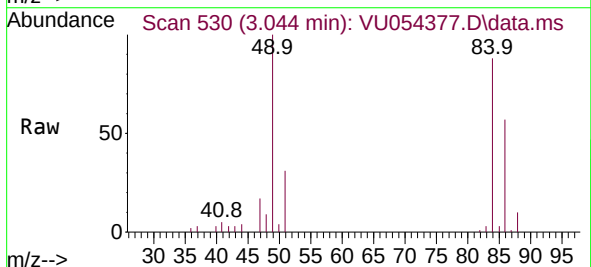
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ClientSampleId :
VSTD010024

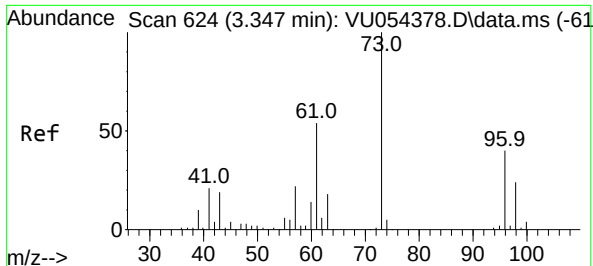
Tgt Ion: 43 Resp: 26594
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.6



#16
Methylene chloride
Concen: 11.903 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion: 84 Resp: 24725
Ion Ratio Lower Upper
84 100
86 65.0 44.8 83.2
49 114.2 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 10.682 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

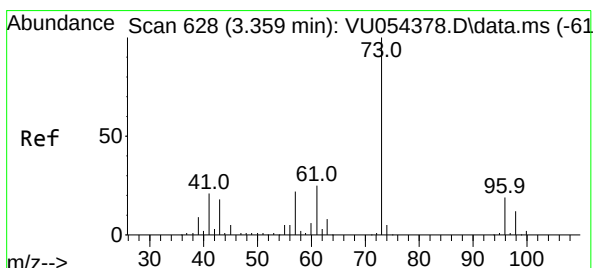
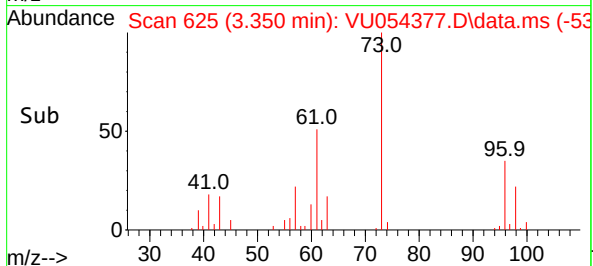
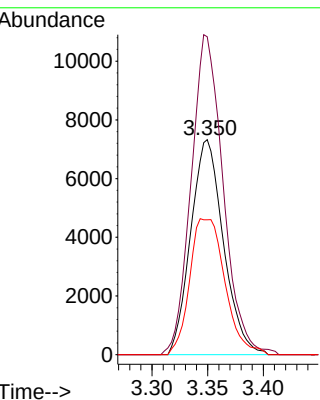
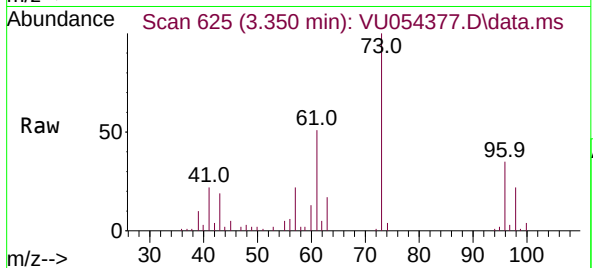
Tgt Ion: 96 Resp: 14977

Ion Ratio Lower Upper

96 100

61 147.8 95.3 177.1

98 62.7 42.6 79.0



#18

Methyl tert-butyl Ether

Concen: 10.525 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

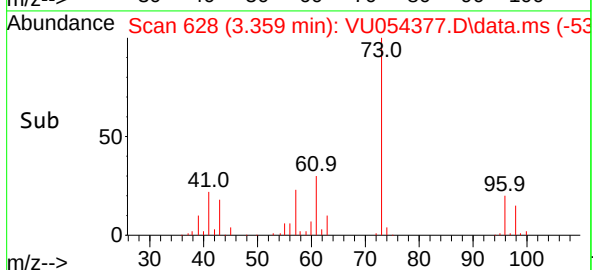
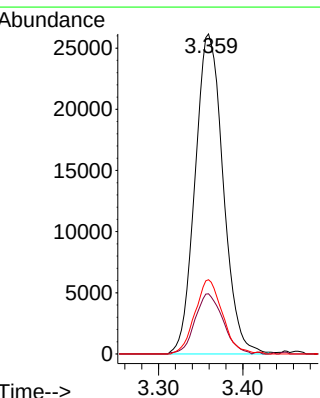
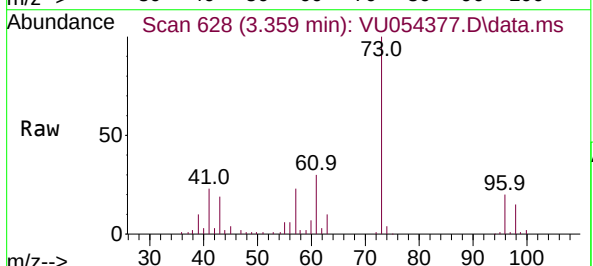
Tgt Ion: 73 Resp: 60611

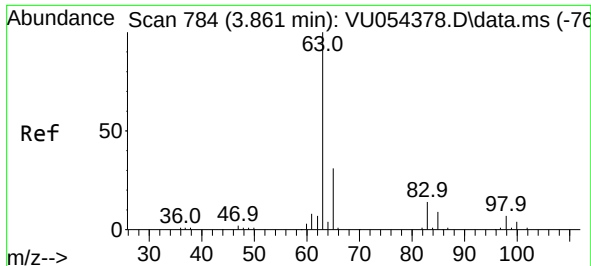
Ion Ratio Lower Upper

73 100

43 18.7 15.1 22.7

57 22.6 18.0 27.0

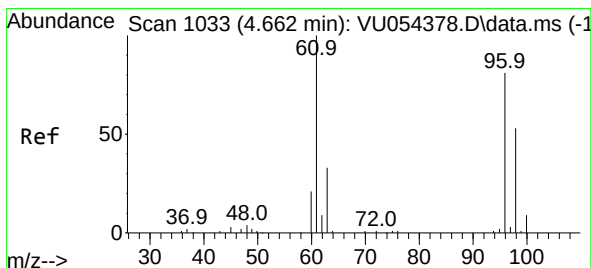
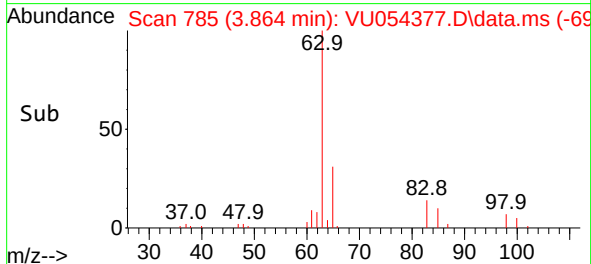
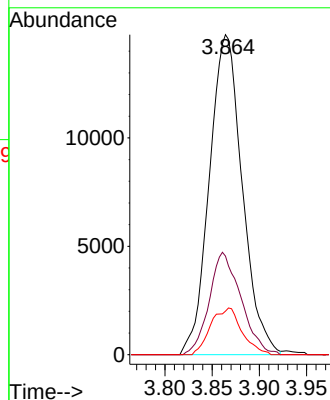
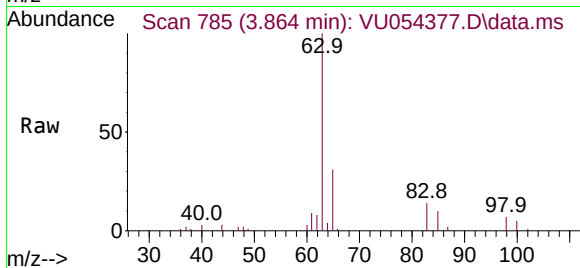




#19
1,1-Dichloroethane
Concen: 10.905 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

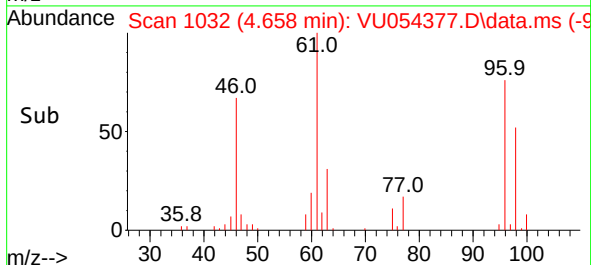
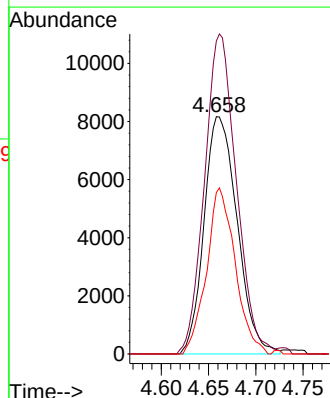
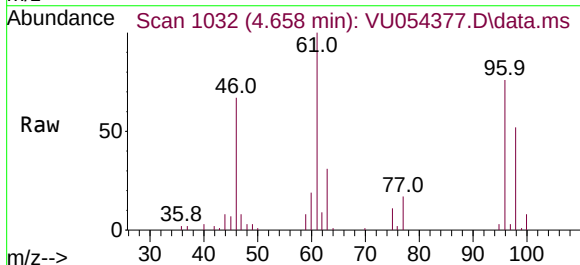
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

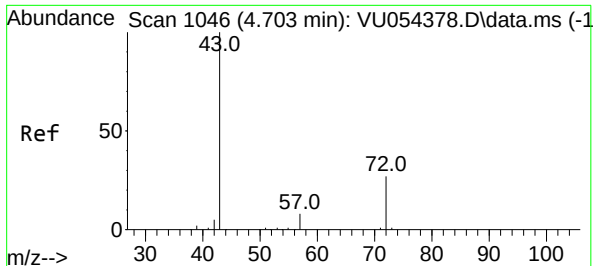
Tgt Ion: 63 Resp: 35642
Ion Ratio Lower Upper
63 100
65 32.0 21.8 40.6
83 13.6 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 10.665 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion: 96 Resp: 19910
Ion Ratio Lower Upper
96 100
61 131.9 86.5 160.7
98 68.0 45.4 84.4

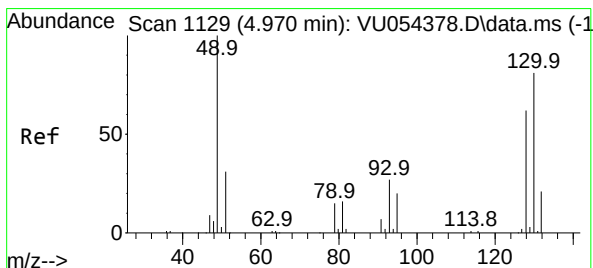
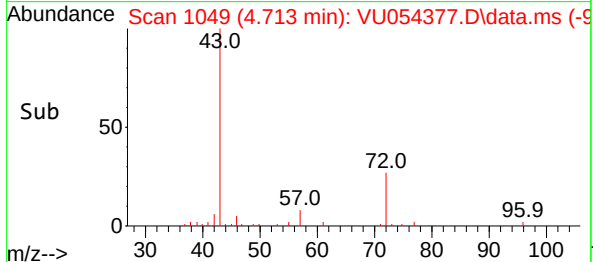
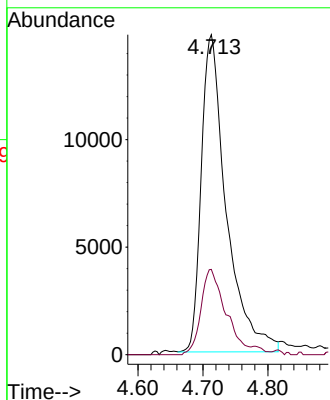
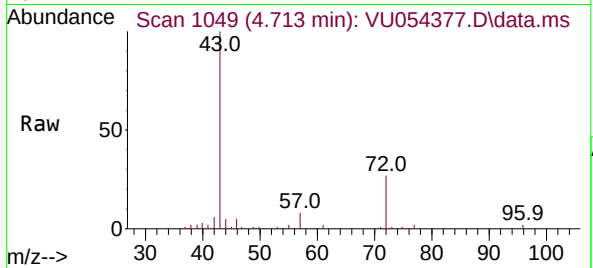




#22
2-Butanone
Concen: 21.349 ug/L
RT: 4.713 min Scan# 1046
Delta R.T. 0.010 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

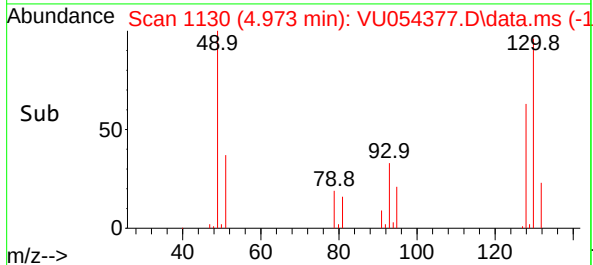
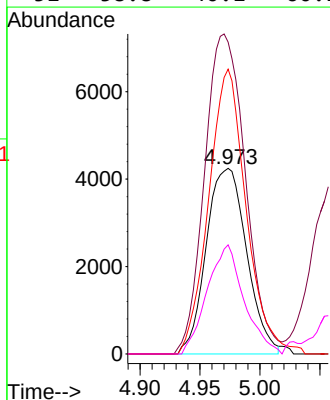
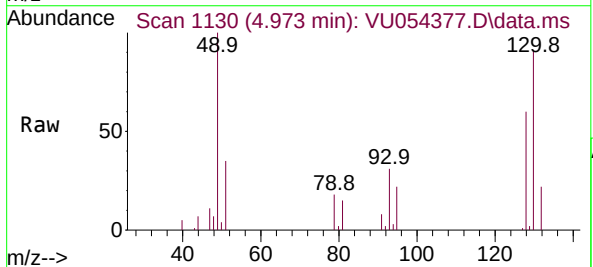
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

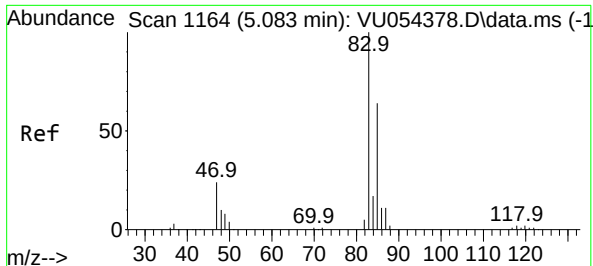
Tgt Ion: 43 Resp: 39580
Ion Ratio Lower Upper
43 100
72 26.6 14.4 43.4



#23
Bromochloromethane
Concen: 10.324 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion: 128 Resp: 9960
Ion Ratio Lower Upper
128 100
49 168.0 112.6 209.0
130 153.5 90.5 168.1
51 58.8 40.1 60.1





#25

Chloroform

Concen: 10.953 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

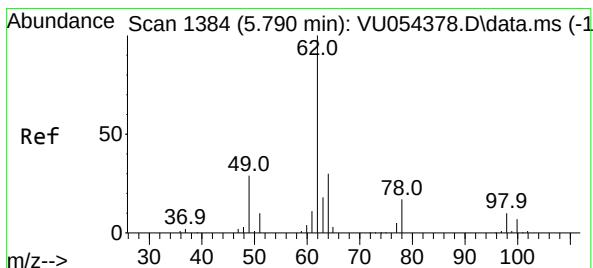
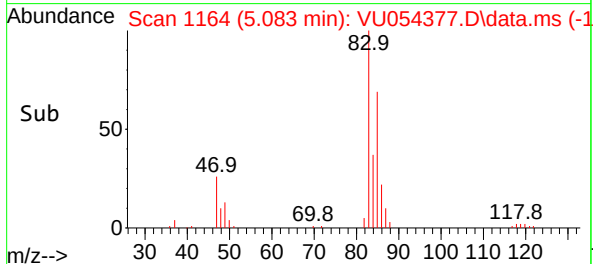
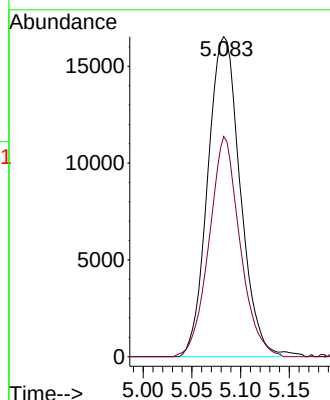
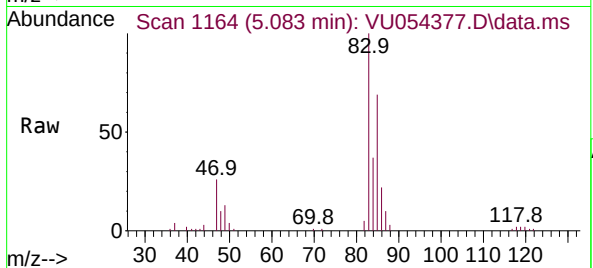
VSTD010024

Tgt Ion: 83 Resp: 38162

Ion Ratio Lower Upper

83 100

85 68.8 45.0 83.6



#27

1,2-Dichloroethane

Concen: 10.471 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU054377.D

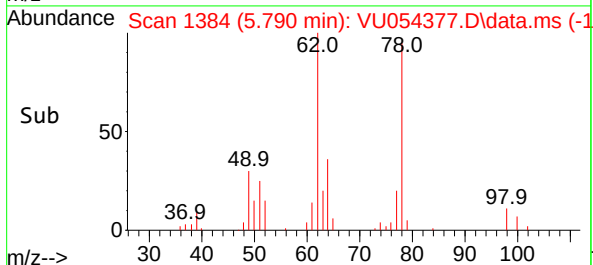
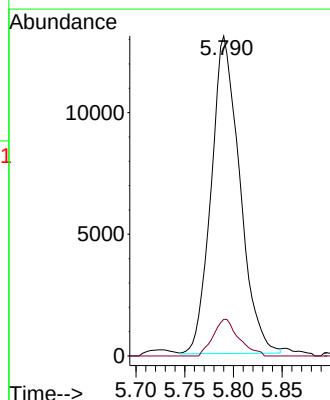
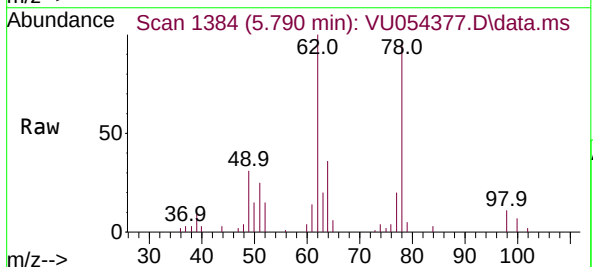
Acq: 01 Jun 2023 16:42

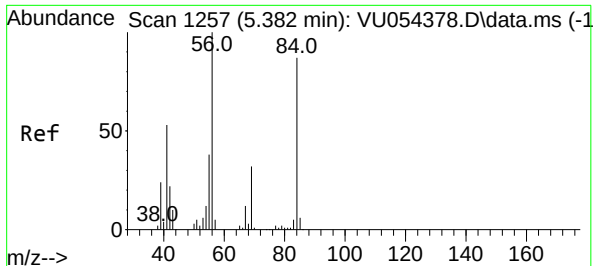
Tgt Ion: 62 Resp: 26611

Ion Ratio Lower Upper

62 100

98 11.4 7.6 11.4#





#29

Cyclohexane

Concen: 10.405 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

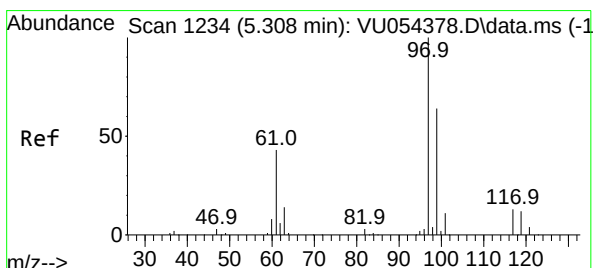
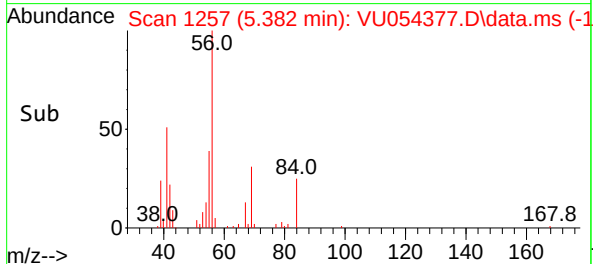
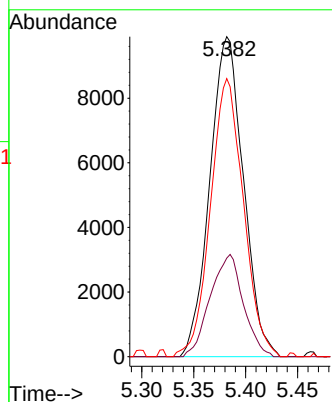
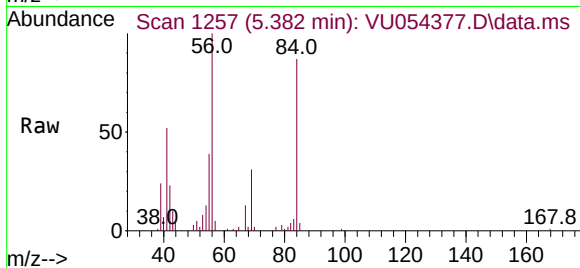
Tgt Ion: 56 Resp: 22291

Ion Ratio Lower Upper

56 100

69 31.4 24.5 36.7

84 85.1 69.4 104.2



#30

1,1,1-Trichloroethane

Concen: 10.844 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

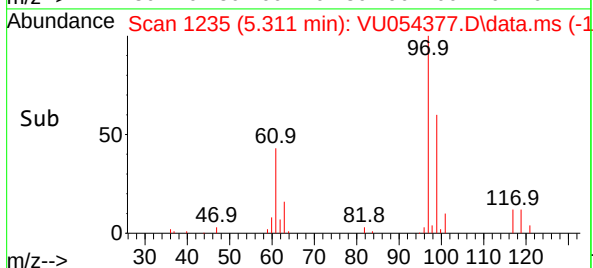
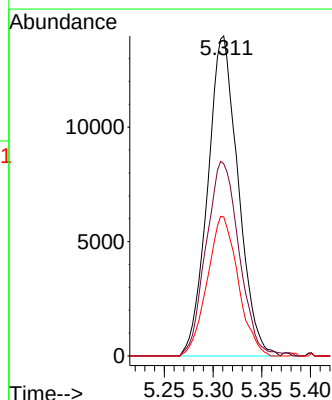
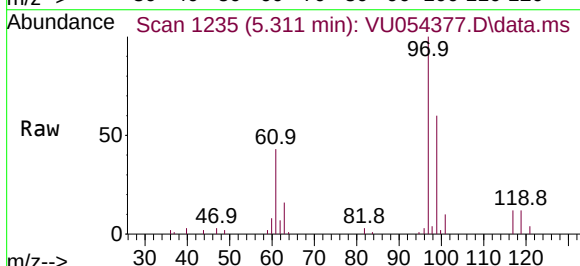
Tgt Ion: 97 Resp: 30439

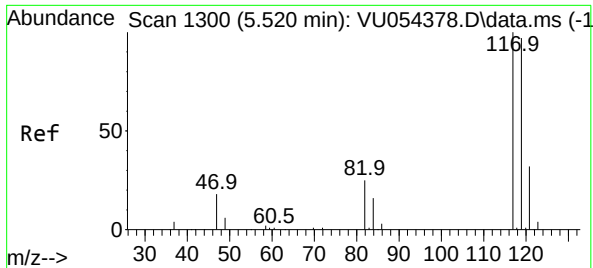
Ion Ratio Lower Upper

97 100

99 65.6 51.9 77.9

61 44.1 35.4 53.0

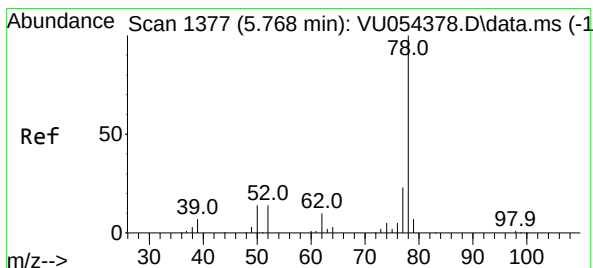
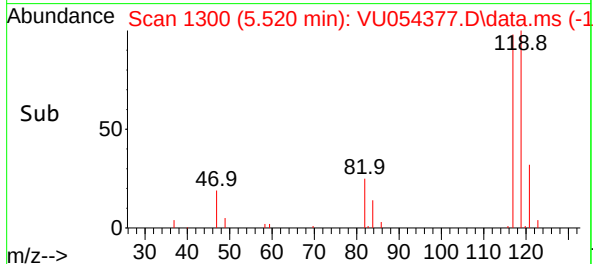
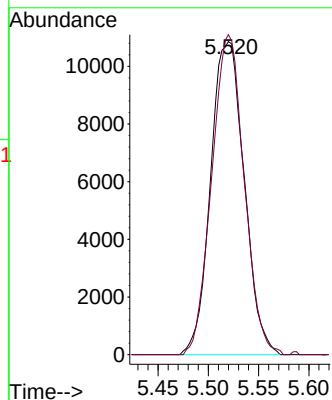
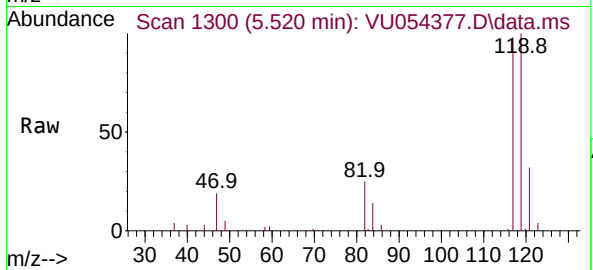




#31
Carbon tetrachloride
Concen: 10.874 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

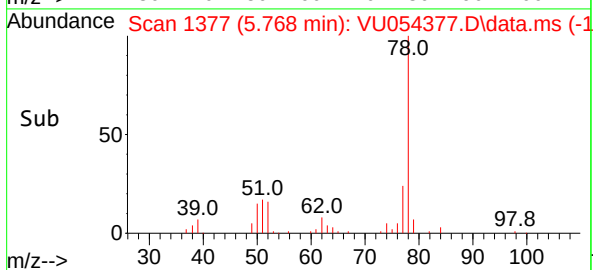
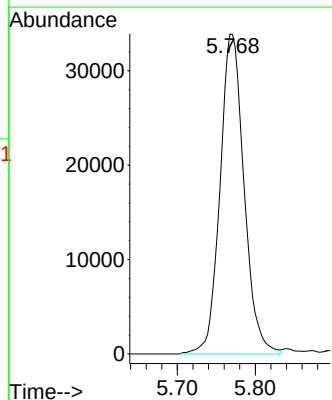
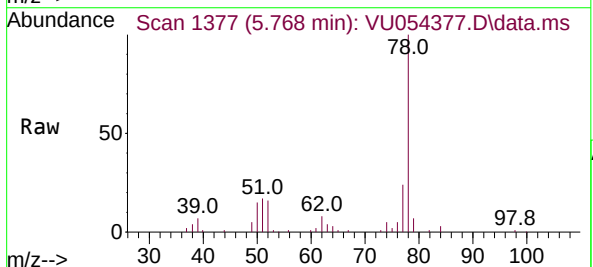
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

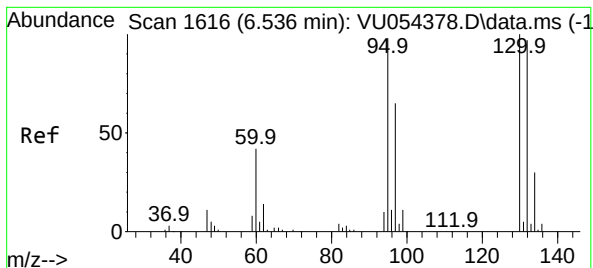
Tgt Ion:117 Resp: 25212
Ion Ratio Lower Upper
117 100
119 98.5 78.1 117.1



#33
Benzene
Concen: 10.803 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion: 78 Resp: 72783





#34

Trichloroethene

Concen: 10.912 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

Tgt Ion: 95 Resp: 19540

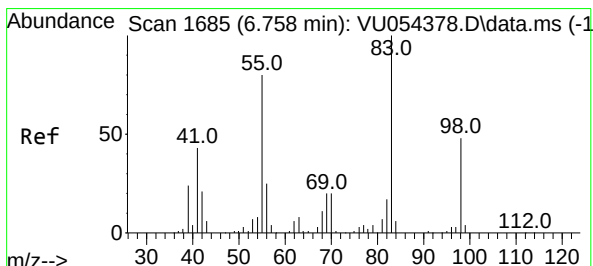
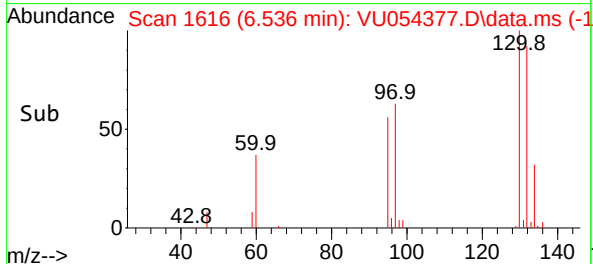
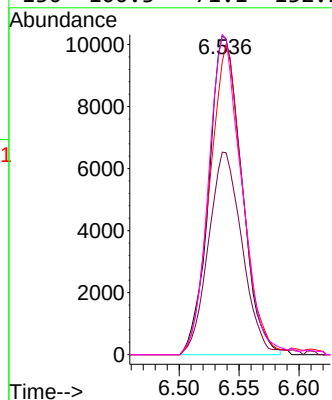
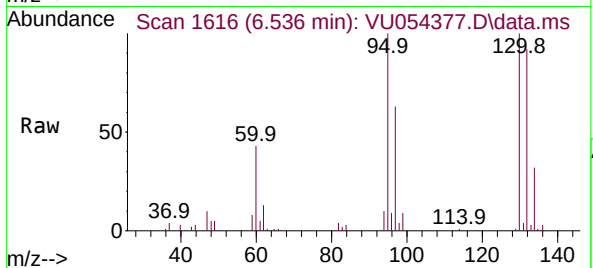
Ion Ratio Lower Upper

95 100

97 63.5 45.9 85.3

132 91.9 69.3 128.7

130 100.3 71.1 132.1



#35

Methylcyclohexane

Concen: 10.373 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

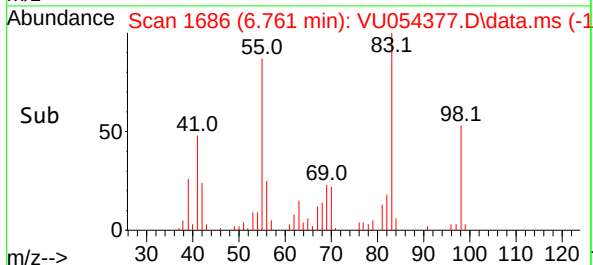
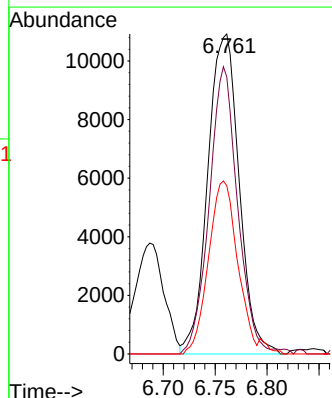
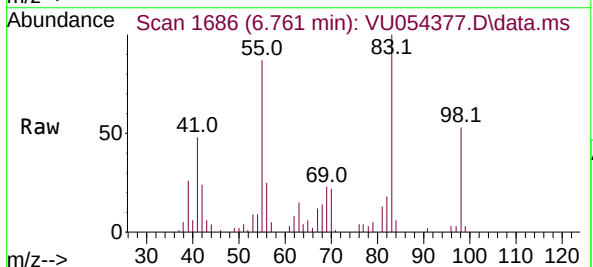
Tgt Ion: 83 Resp: 22909

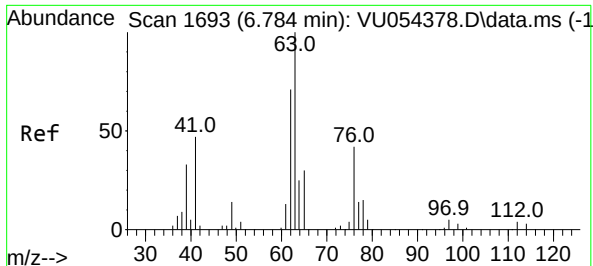
Ion Ratio Lower Upper

83 100

55 81.0 62.7 94.1

98 49.9 37.8 56.6





#37

1,2-Dichloropropane

Concen: 10.504 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

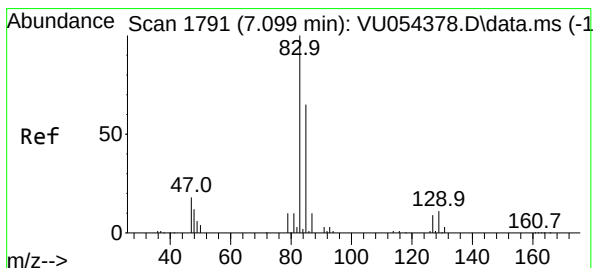
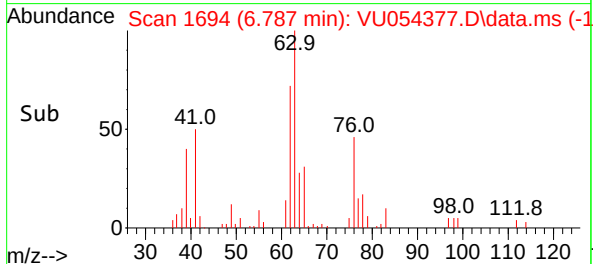
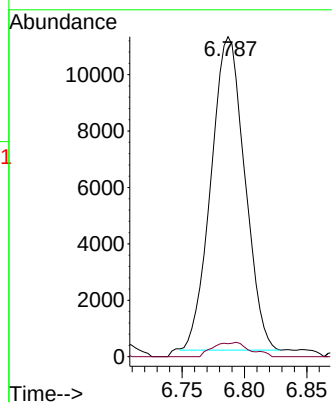
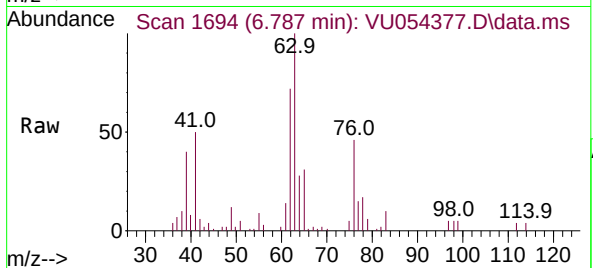
VSTD010024

Tgt Ion: 63 Resp: 20921

Ion Ratio Lower Upper

63 100

112 2.3 3.5 5.3#



#38

Bromodichloromethane

Concen: 10.952 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

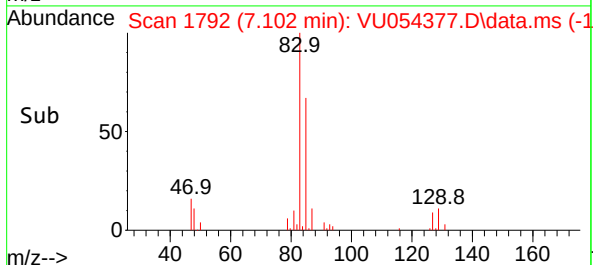
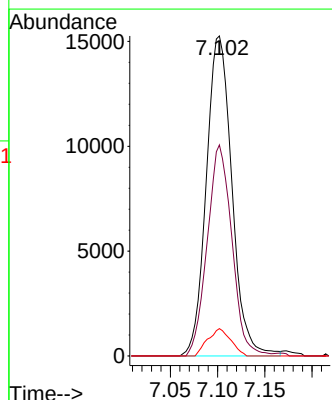
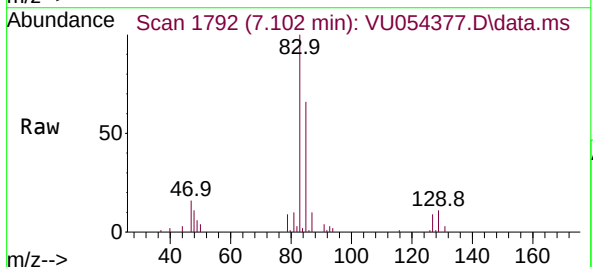
Tgt Ion: 83 Resp: 28775

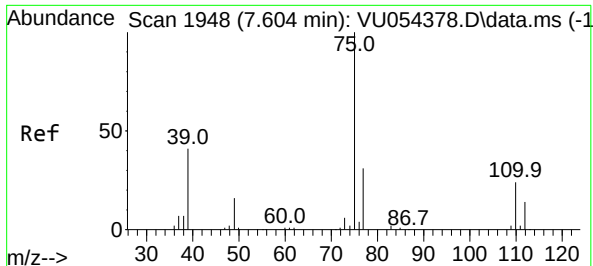
Ion Ratio Lower Upper

83 100

85 65.9 45.8 85.2

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 10.799 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

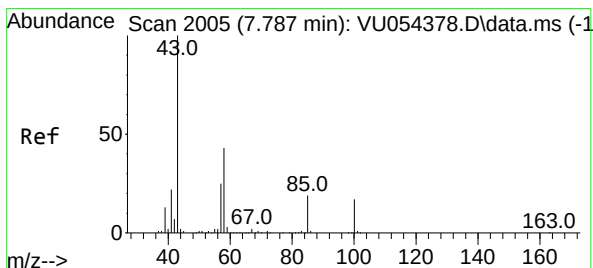
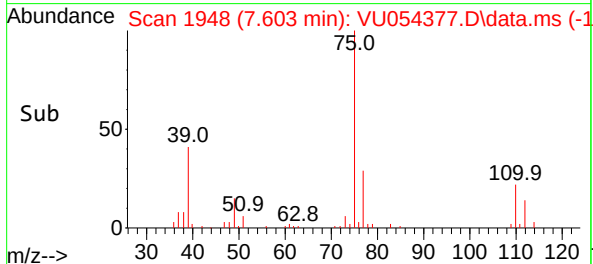
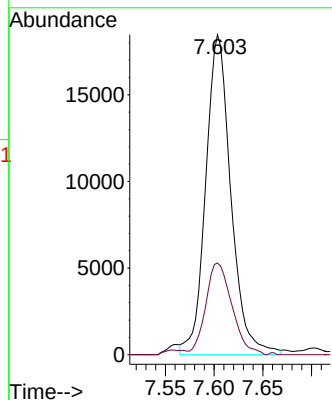
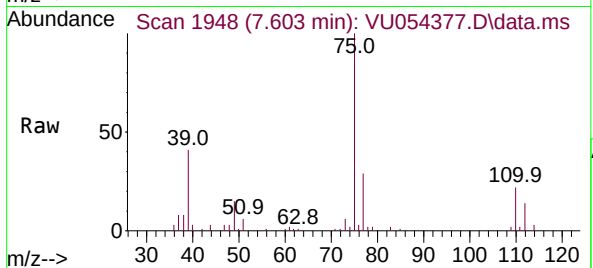
VSTD010024

Tgt Ion: 75 Resp: 33226

Ion Ratio Lower Upper

75 100

77 28.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 20.807 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

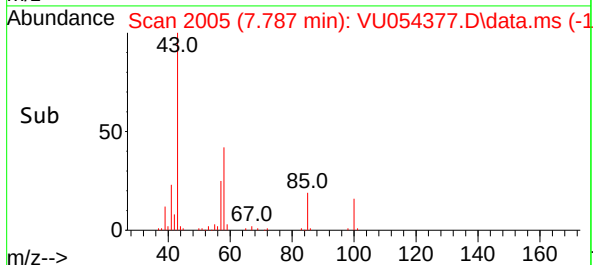
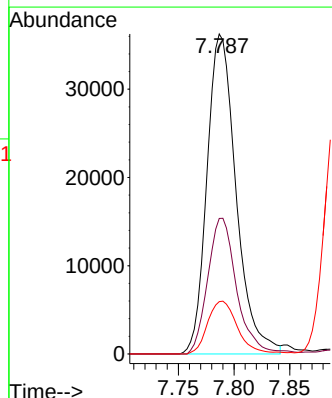
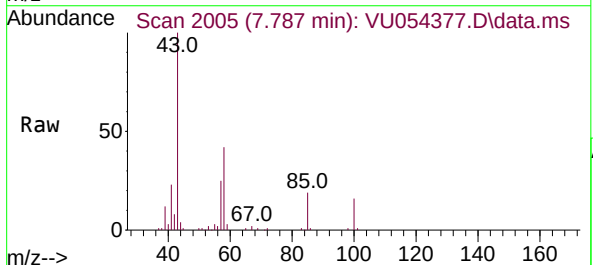
Tgt Ion: 43 Resp: 66081

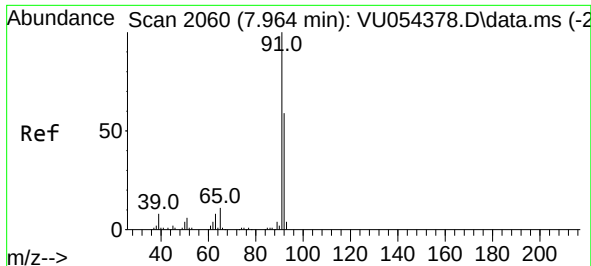
Ion Ratio Lower Upper

43 100

58 42.2 33.9 50.9

100 16.7 13.1 19.7





#42

Toluene

Concen: 10.667 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

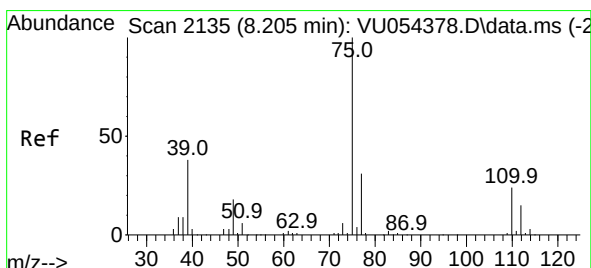
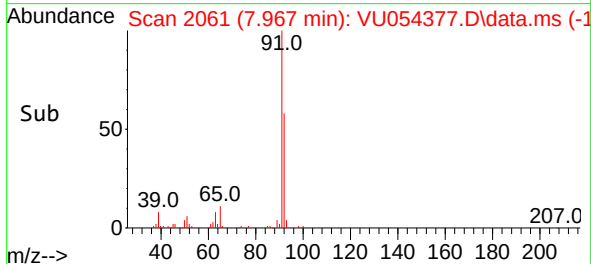
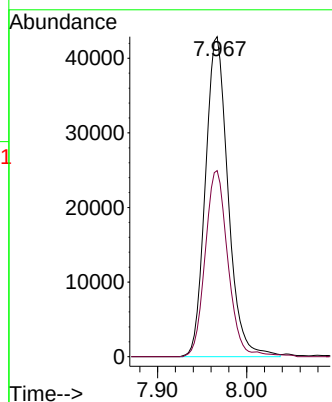
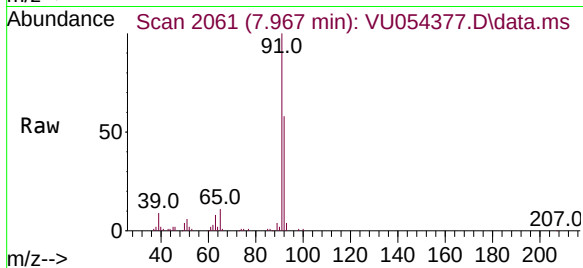
VSTD010024

Tgt Ion: 91 Resp: 75788

Ion Ratio Lower Upper

91 100

92 58.1 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 10.197 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU054377.D

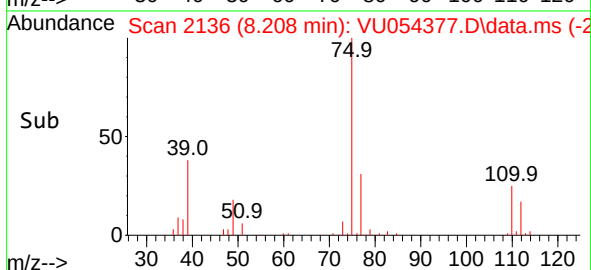
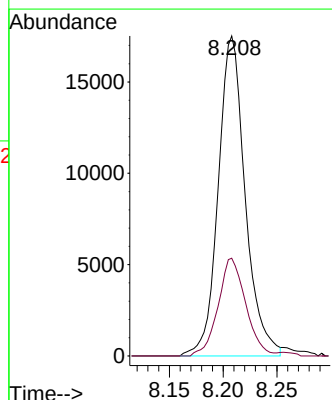
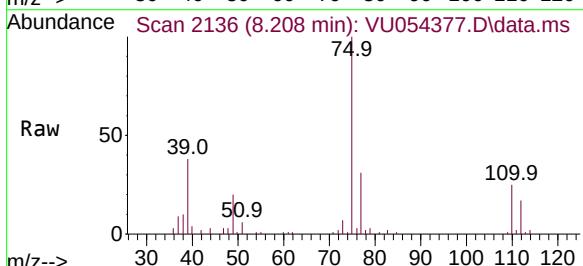
Acq: 01 Jun 2023 16:42

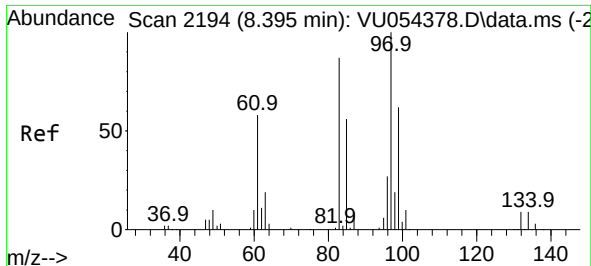
Tgt Ion: 75 Resp: 30562

Ion Ratio Lower Upper

75 100

77 30.6 21.9 40.7



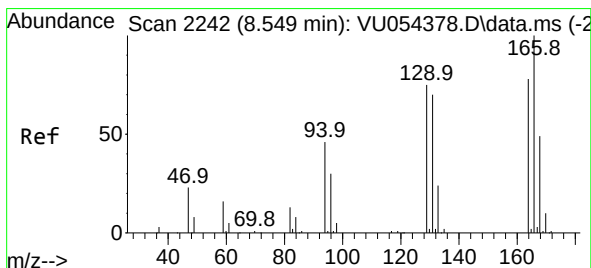
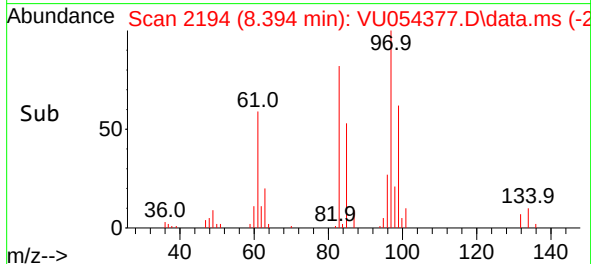
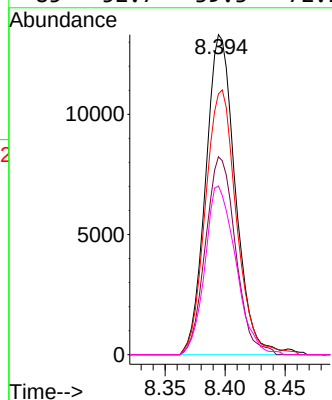
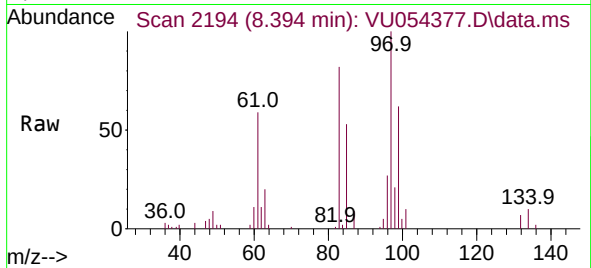


#45
1,1,2-Trichloroethane
Concen: 10.856 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

Tgt Ion: 97 Resp: 22876

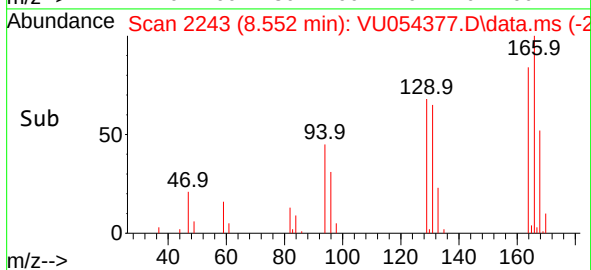
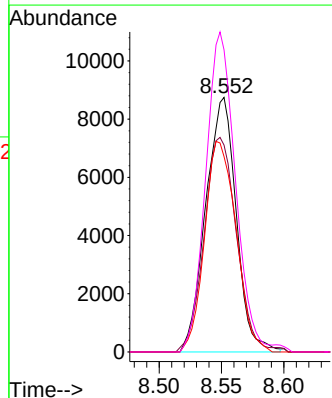
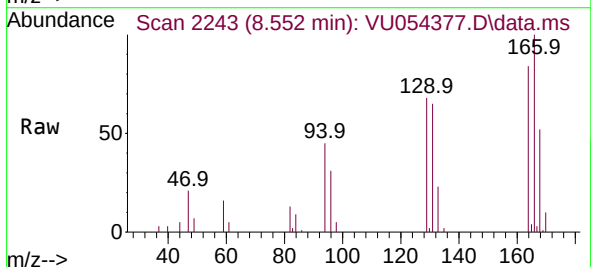
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.5	80.9
83	81.5	61.1	113.5
85	52.7	39.3	72.9

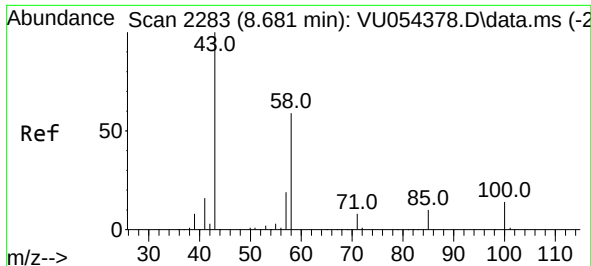


#46
Tetrachloroethene
Concen: 11.312 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion: 164 Resp: 14919

Ion	Ratio	Lower	Upper
164	100		
129	81.3	67.5	125.3
131	76.8	62.8	116.6
166	118.7	89.5	166.3

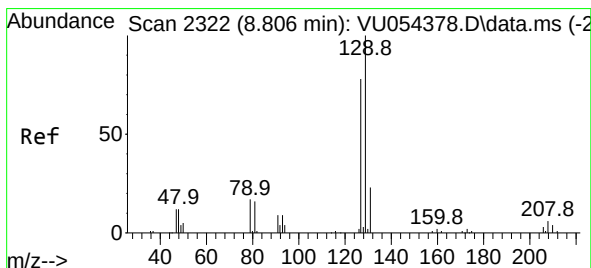
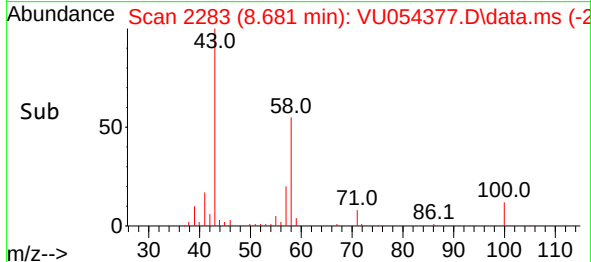
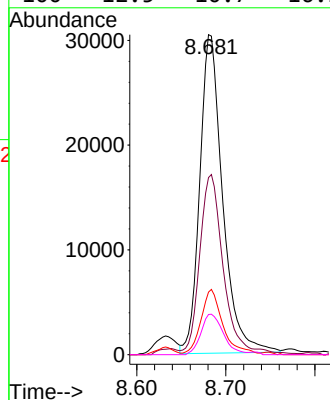
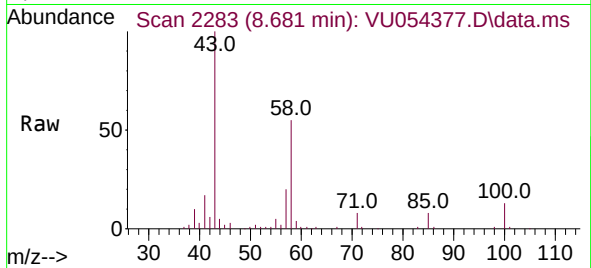




#48
2-Hexanone
Concen: 21.006 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

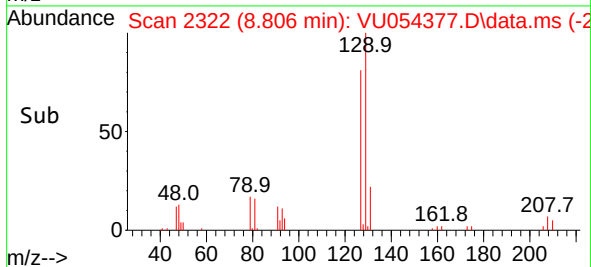
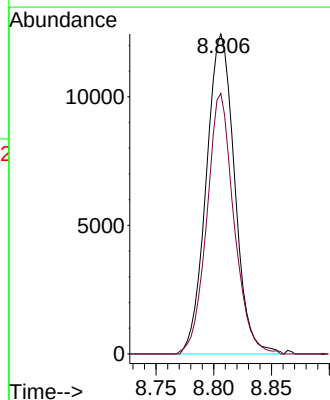
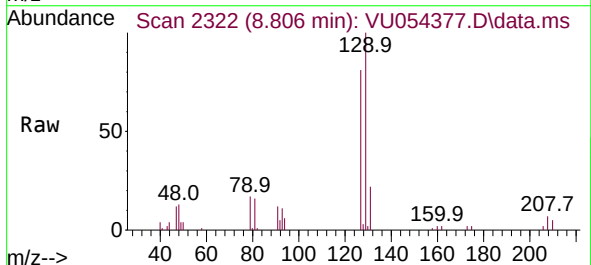
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

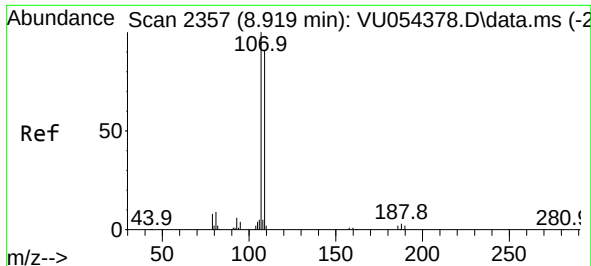
Tgt Ion: 43	Resp: 54367
Ion Ratio	Lower Upper
43 100	
58 54.7	47.7 71.5
57 19.7	16.1 24.1
100 12.5	10.7 16.1



#49
Dibromochloromethane
Concen: 10.492 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:129	Resp: 21247		
Ion Ratio	Lower	Upper	
129 100			
127 81.4	54.9	101.9	





#50

1,2-Dibromoethane

Concen: 10.788 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

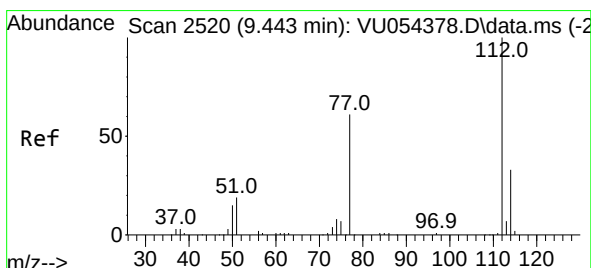
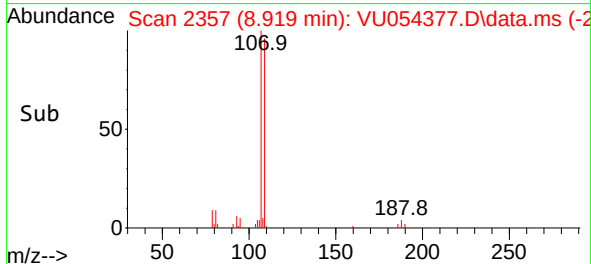
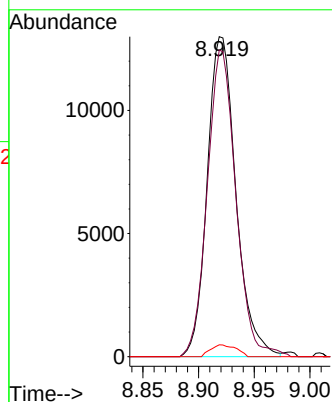
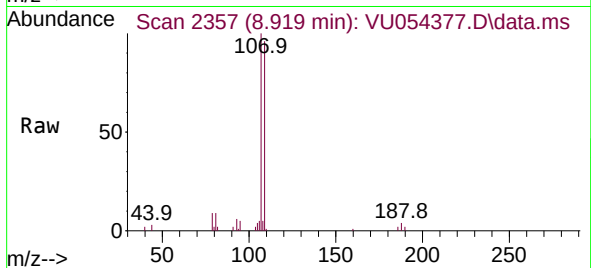
Tgt Ion:107 Resp: 23323

Ion Ratio Lower Upper

107 100

109 95.8 63.8 118.6

188 3.7 2.7 4.1



#51

Chlorobenzene

Concen: 10.968 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

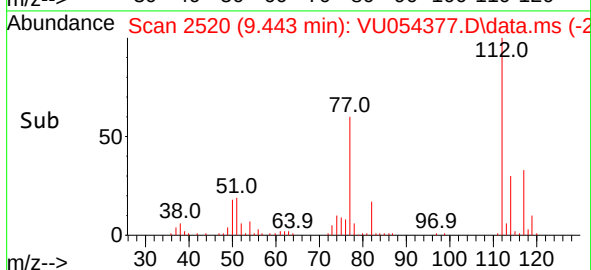
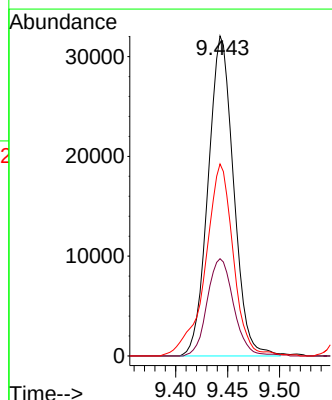
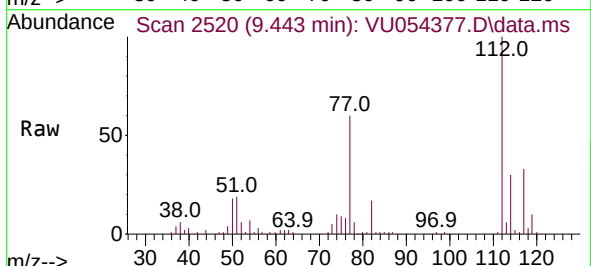
Tgt Ion:112 Resp: 54652

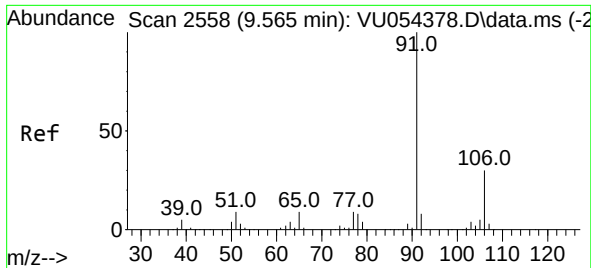
Ion Ratio Lower Upper

112 100

114 30.4 23.2 43.2

77 60.0 49.1 73.7

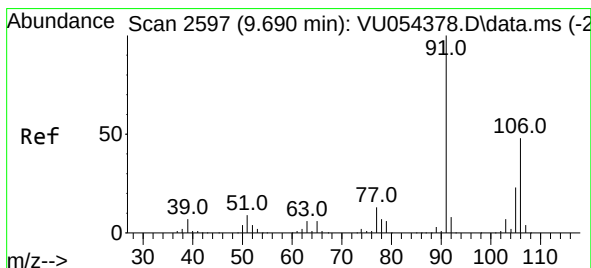
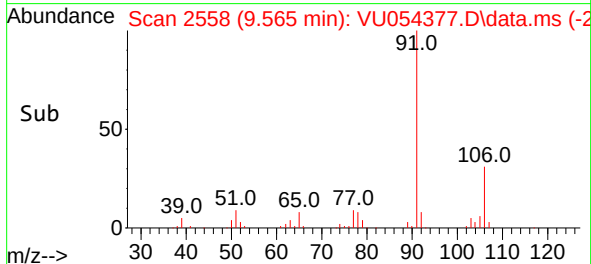
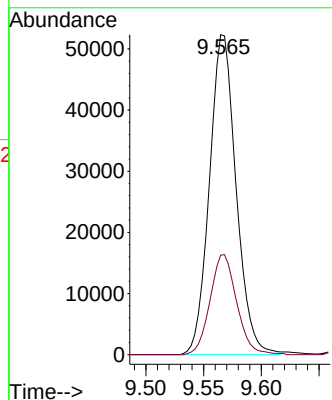
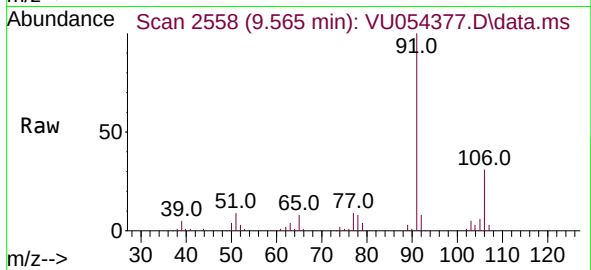




#52
Ethylbenzene
Concen: 10.474 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

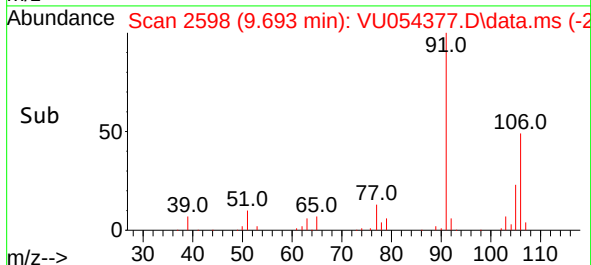
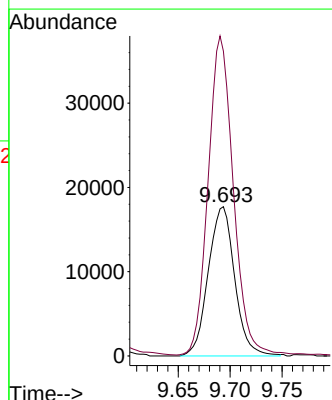
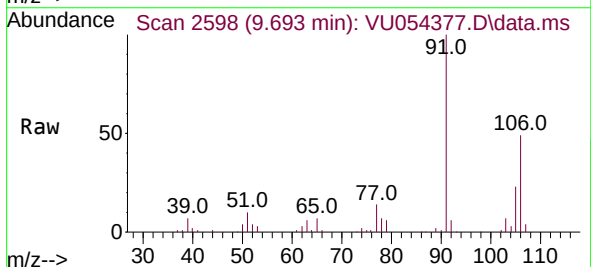
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

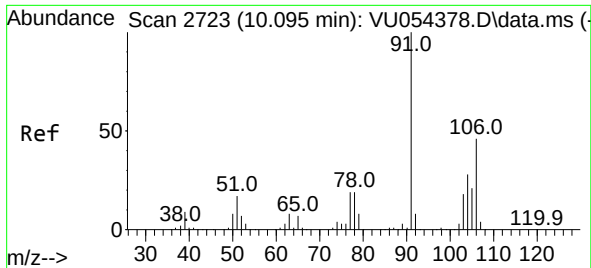
Tgt Ion: 91 Resp: 84105
Ion Ratio Lower Upper
91 100
106 31.1 20.9 38.9



#53
m,p-Xylene
Concen: 10.413 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:106 Resp: 31373
Ion Ratio Lower Upper
106 100
91 204.2 145.7 270.5

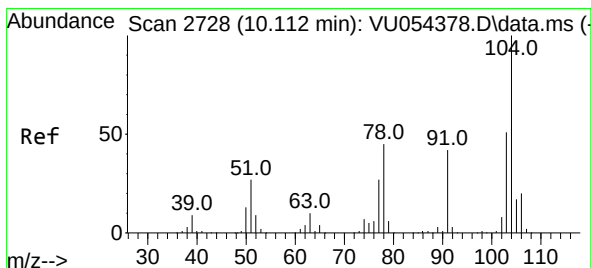
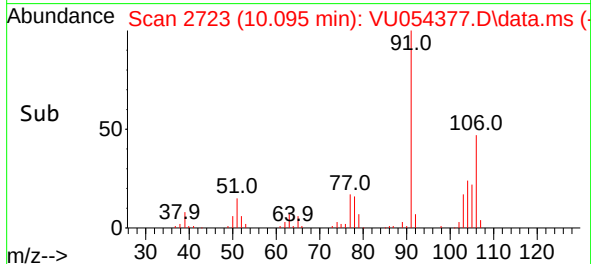
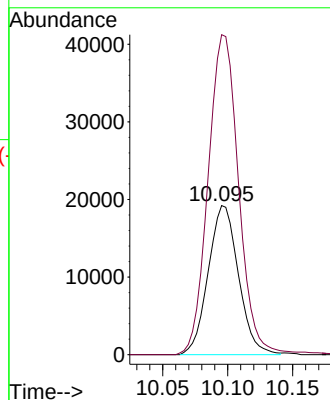
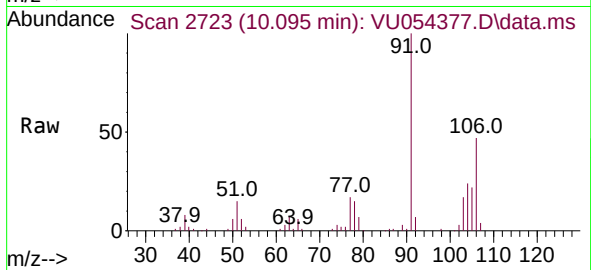




#54
o-Xylene
Concen: 10.401 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

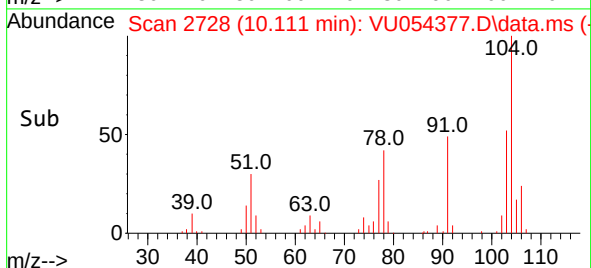
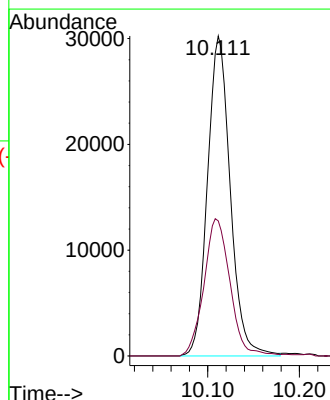
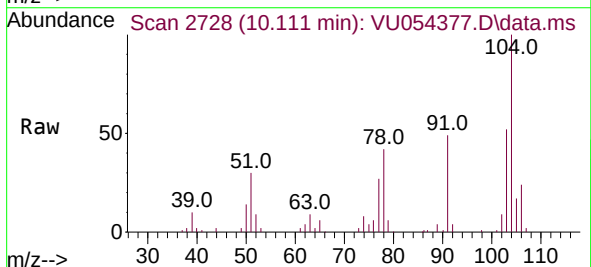
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

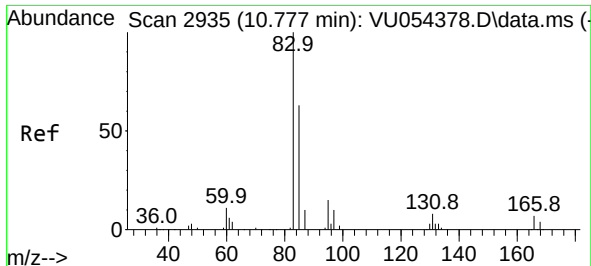
Tgt Ion:106 Resp: 31128
Ion Ratio Lower Upper
106 100
91 214.5 152.8 283.8



#55
Styrene
Concen: 9.982 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:104 Resp: 52186
Ion Ratio Lower Upper
104 100
78 42.2 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 10.846 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

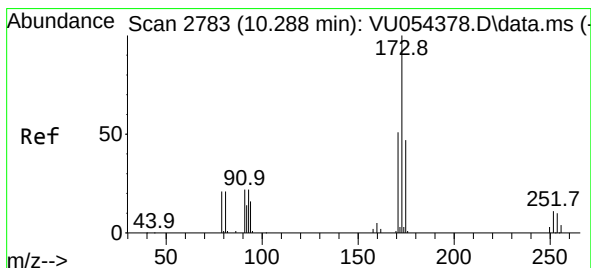
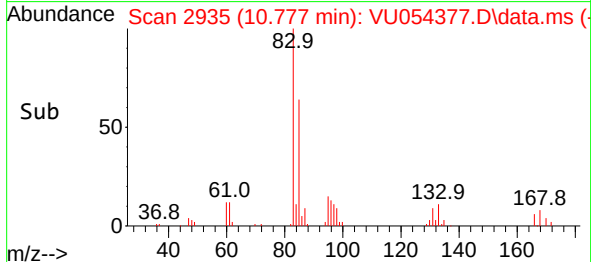
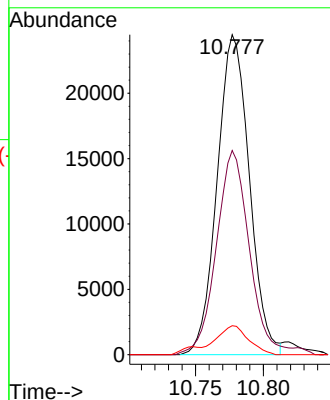
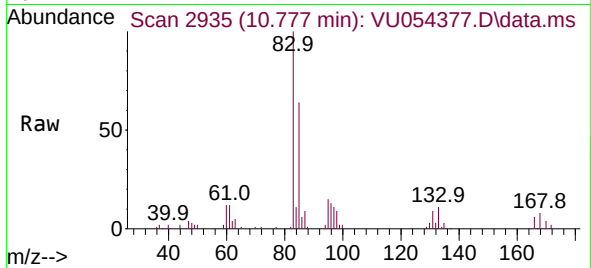
Tgt Ion: 83 Resp: 40429

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

131 9.1 7.2 10.8



#59

Bromoform

Concen: 10.313 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

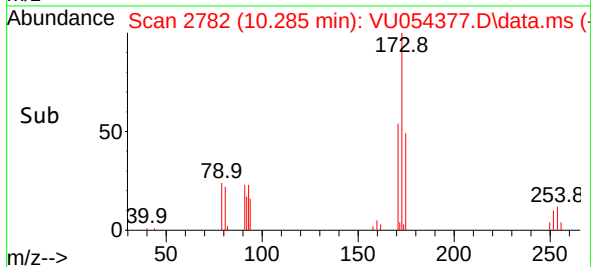
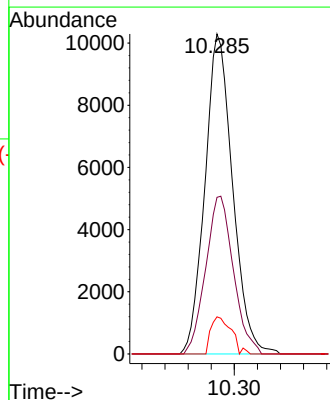
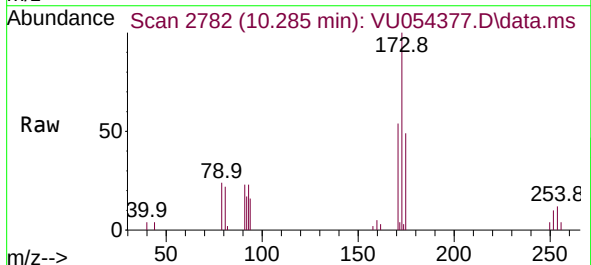
Tgt Ion:173 Resp: 17124

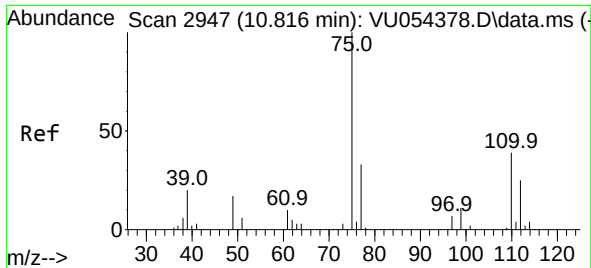
Ion Ratio Lower Upper

173 100

175 49.3 38.1 57.1

254 8.3 8.2 12.2

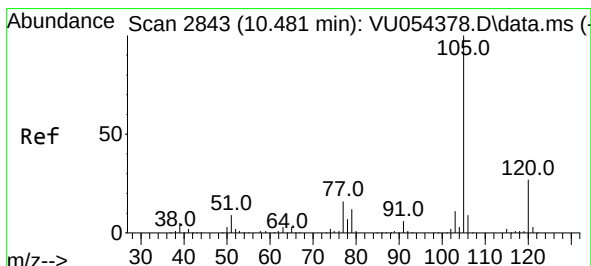
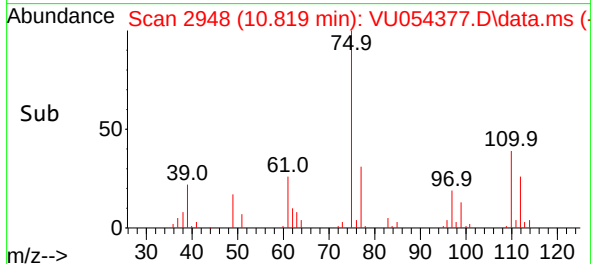
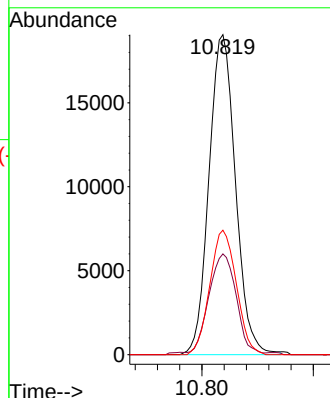
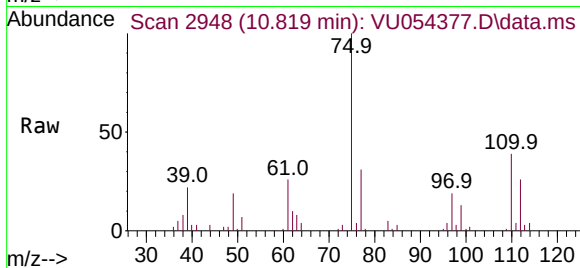




#60
1,2,3-Trichloropropane
Concen: 11.106 ug/L
RT: 10.819 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

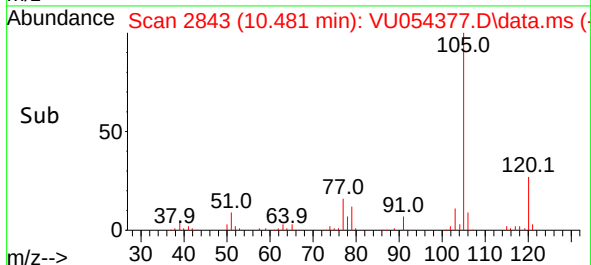
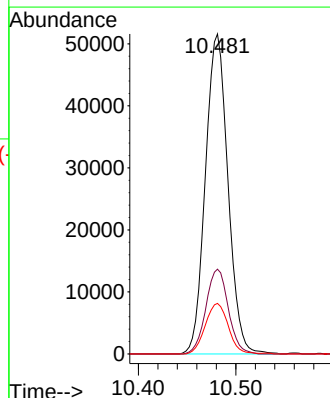
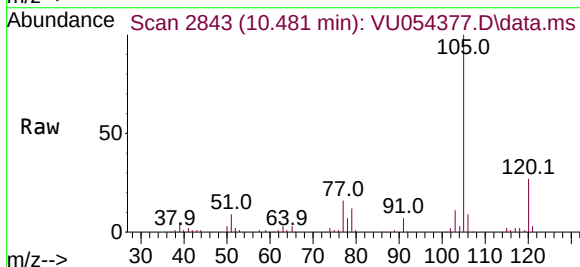
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

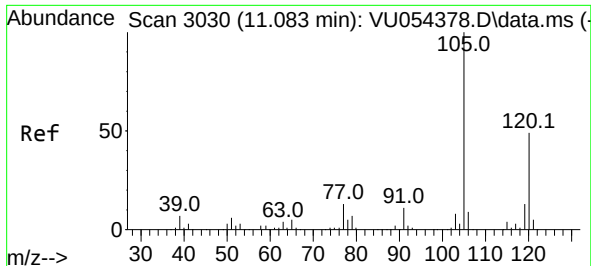
Tgt Ion:	75	Resp:	31500
Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.8	40.2
110	39.0	31.4	47.0



#61
Isopropylbenzene
Concen: 10.428 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:	105	Resp:	82949
Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.9	31.3
77	16.1	12.8	19.2

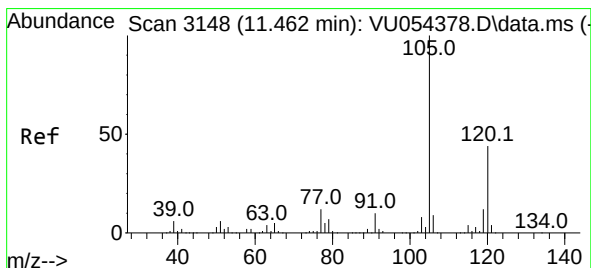
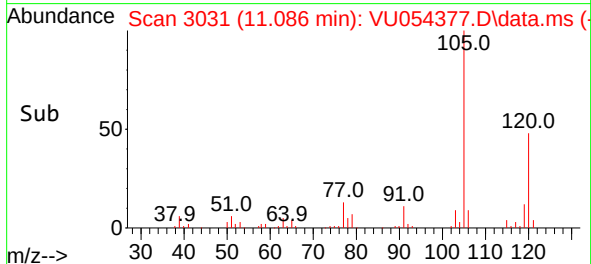
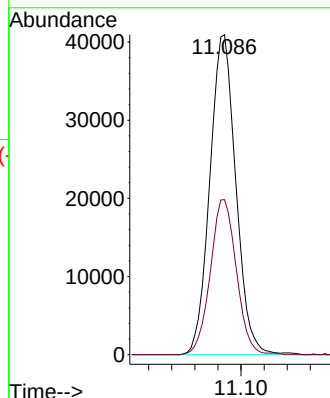
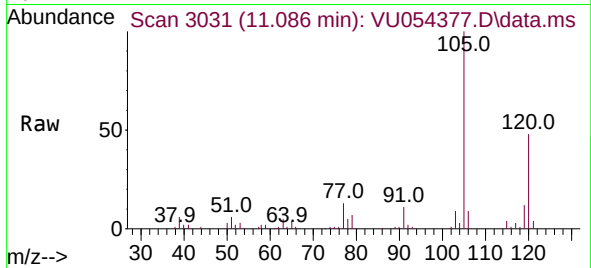




#62
1,3,5-Trimethylbenzene
Concen: 9.993 ug/L
RT: 11.086 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

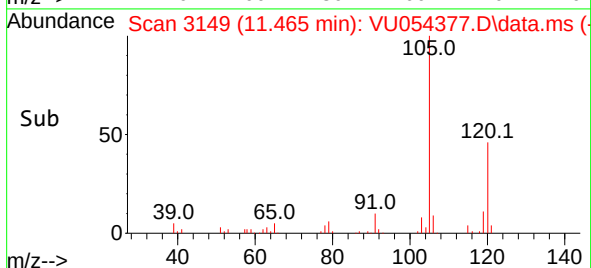
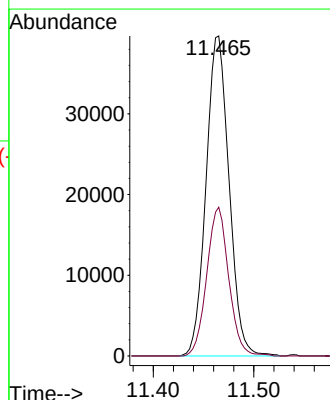
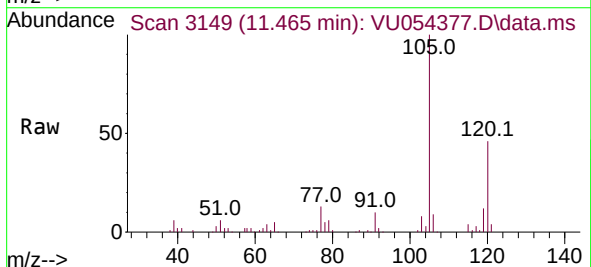
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

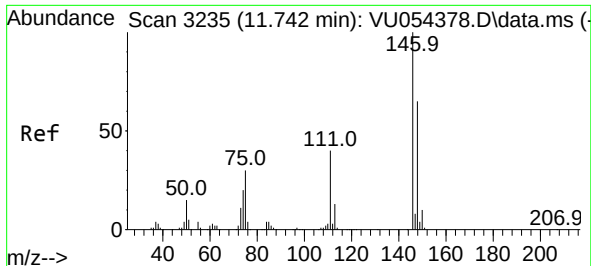
Tgt Ion:105 Resp: 63941
Ion Ratio Lower Upper
105 100
120 48.5 39.4 59.0



#63
1,2,4-Trimethylbenzene
Concen: 9.943 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:105 Resp: 62993
Ion Ratio Lower Upper
105 100
120 44.5 35.9 53.9

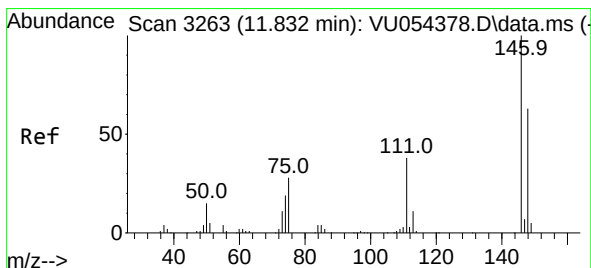
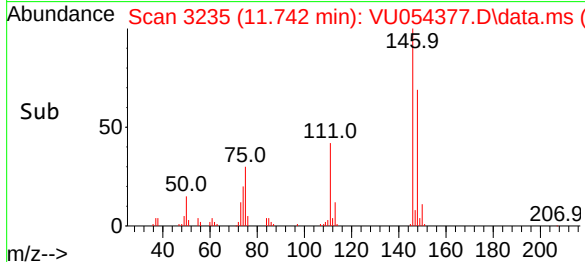
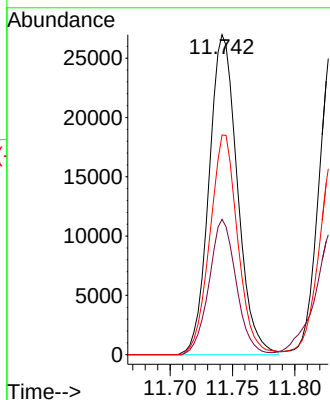
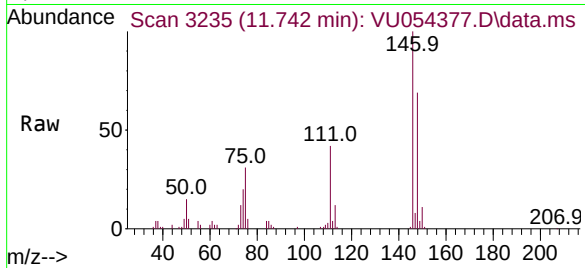




#64
1,3-Dichlorobenzene
Concen: 10.484 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

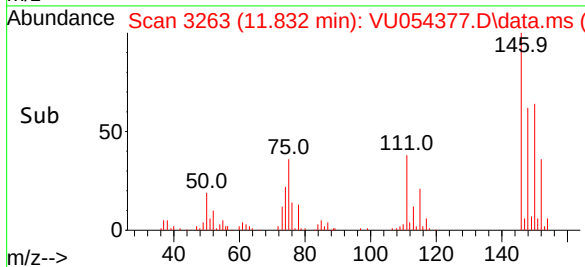
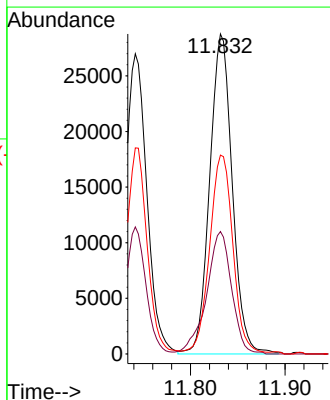
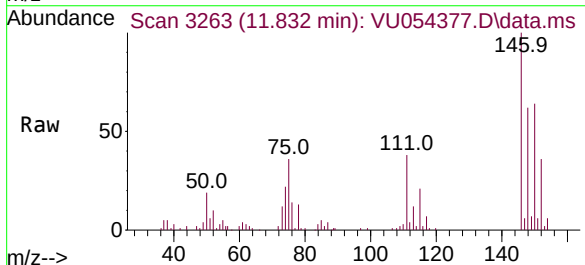
Instrument :
MSVOA_U
ClientSampleId :
VSTD010024

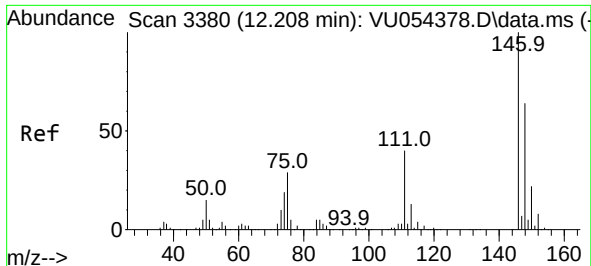
Tgt Ion:146 Resp: 42708
Ion Ratio Lower Upper
146 100
111 42.3 28.2 52.4
148 68.7 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 11.049 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054377.D
Acq: 01 Jun 2023 16:42

Tgt Ion:146 Resp: 47672
Ion Ratio Lower Upper
146 100
111 38.3 26.9 50.1
148 62.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 10.867 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

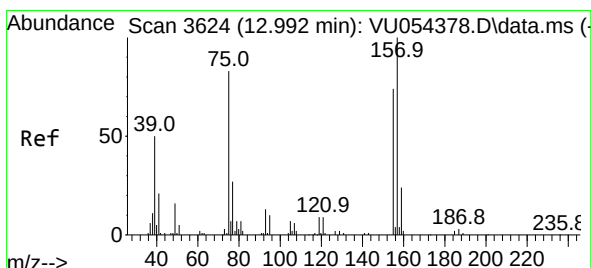
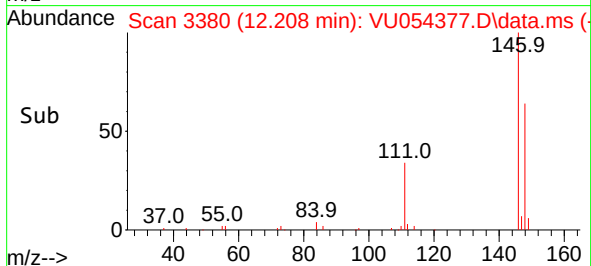
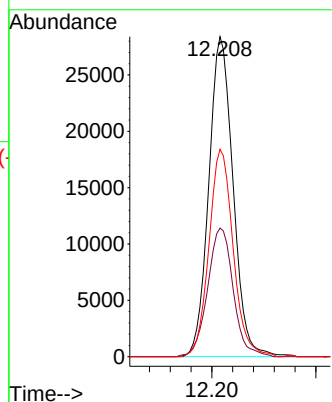
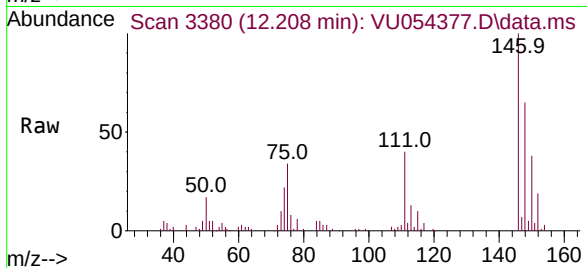
Tgt Ion:146 Resp: 45972

Ion Ratio Lower Upper

146 100

111 40.2 31.9 47.9

148 64.8 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 10.661 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

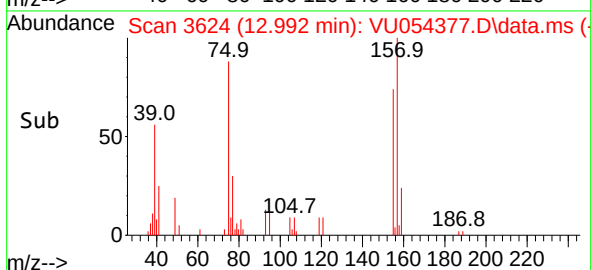
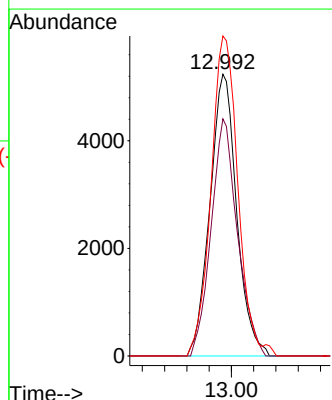
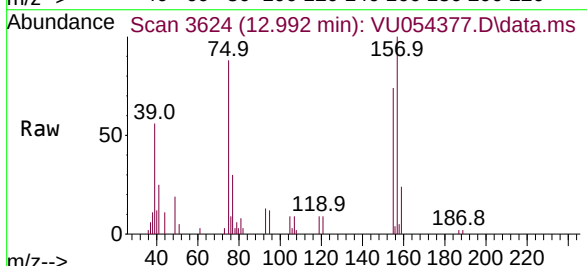
Tgt Ion: 75 Resp: 8708

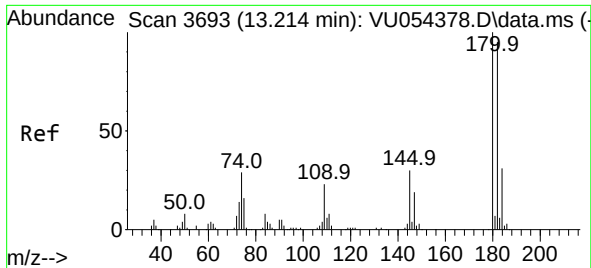
Ion Ratio Lower Upper

75 100

155 88.2 72.0 108.0

157 119.1 96.7 145.1

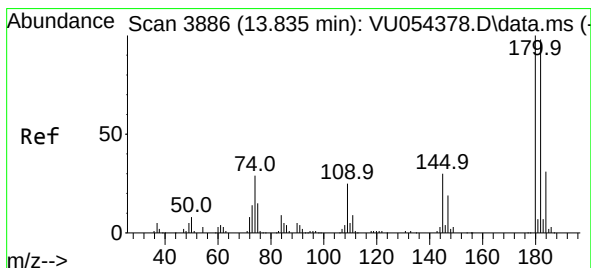
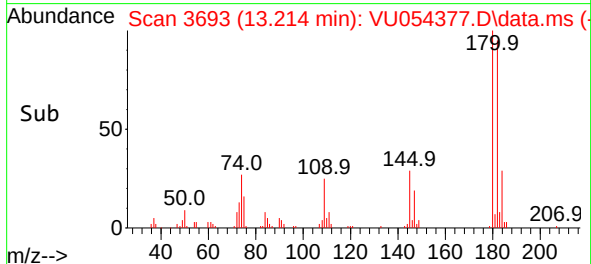
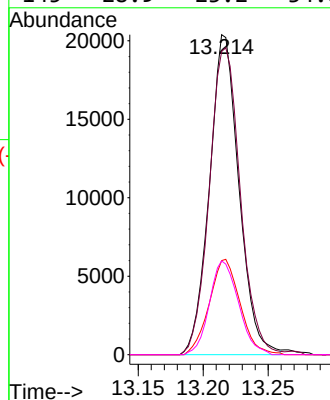
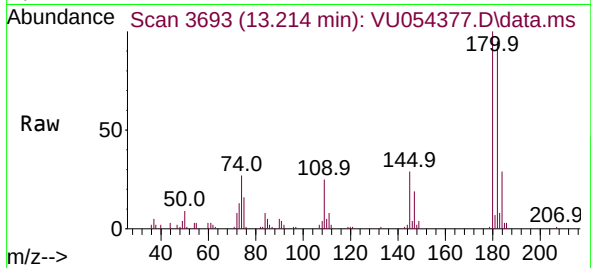




#69
 1,3,5-Trichlorobenzene
 Concen: 10.597 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054377.D
 Acq: 01 Jun 2023 16:42

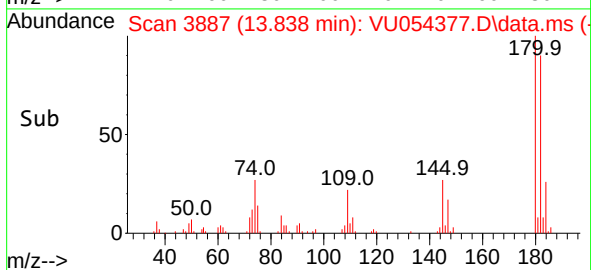
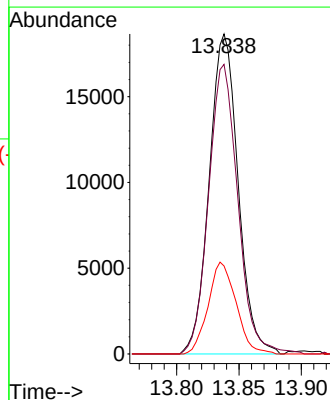
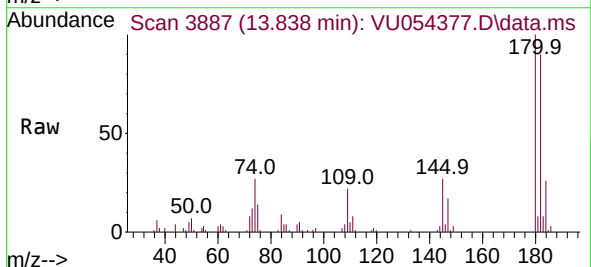
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010024

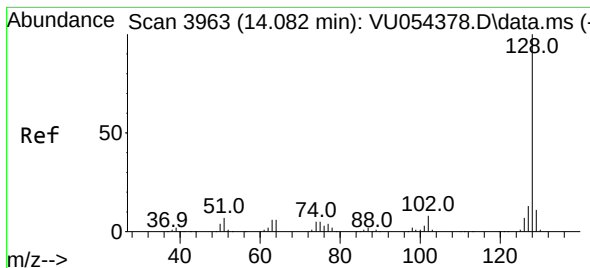
Tgt Ion:180	Resp:	32183
Ion Ratio	Lower	Upper
180	100	
182	100.5	75.8 113.6
184	31.1	24.2 36.2
145	28.9	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 10.544 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU054377.D
 Acq: 01 Jun 2023 16:42

Tgt Ion:180	Resp:	30112
Ion Ratio	Lower	Upper
180	100	
182	91.7	77.0 115.6
145	27.7	23.7 35.5





#71

Naphthalene

Concen: 9.592 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD010024

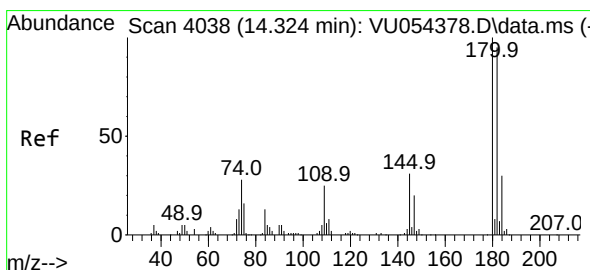
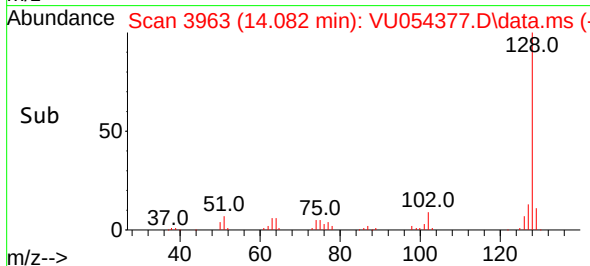
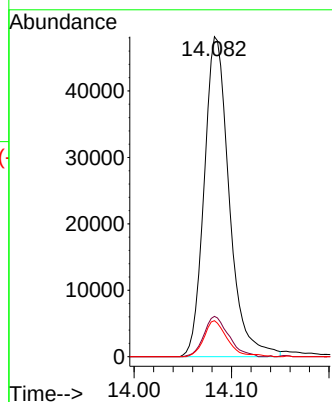
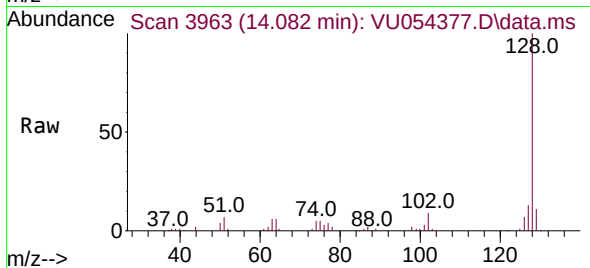
Tgt Ion:128 Resp: 86033

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 10.2 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 10.523 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU054377.D

Acq: 01 Jun 2023 16:42

Tgt Ion:180 Resp: 30589

Ion Ratio Lower Upper

180 100

182 94.5 76.0 114.0

145 30.9 25.3 37.9

