

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053835.D
 Acq On : 24 Apr 2023 11:27
 Operator : JC/MD
 Sample : VSTD00120
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001020

Quant Time: Apr 25 04:22:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:21:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	141198	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136845	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	66754	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	8860	0.949	ug/L	0.00
7) Chloroethane-d5	1.916	69	7670	0.921	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	3702	0.947	ug/L	0.00
20) 2-Butanone-d5	4.642	46	15496	7.577	ug/L	0.01
24) Chloroform-d	5.060	84	17591	1.020	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	7715	0.887	ug/L	0.00
32) Benzene-d6	5.726	84	31939	0.858	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	9836	0.875	ug/L	0.00
41) Toluene-d8	7.896	98	27987	0.802	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	3492	0.807	ug/L	0.00
46) 2-Hexanone-d5	8.632	63	11784	6.924	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	7701	0.840	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	10334	0.920	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	9545	0.931	ug/L	98
3) Chloromethane	1.520	50	9344	0.914	ug/L	99
5) Vinyl chloride	1.604	62	10840	0.932	ug/L	93
6) Bromomethane	1.858	94	6803	0.916	ug/L	94
8) Chloroethane	1.935	64	7206	1.067	ug/L	97
9) Trichlorofluoromethane	2.141	101	16126	0.933	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8865	0.984	ug/L	98
12) 1,1-Dichloroethene	2.581	96	7574	0.929	ug/L	96
13) Acetone	2.649	43	11873	9.182	ug/L	94
14) Carbon disulfide	2.793	76	21120	0.890	ug/L #	94
15) Methyl Acetate	2.957	43	2711	0.898	ug/L #	78
16) Methylene chloride	3.044	84	17403	1.608	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	17099	0.882	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	8215	0.974	ug/L	90
19) 1,1-Dichloroethane	3.867	63	14901	0.959	ug/L	92
21) 2-Butanone	4.716	43	14917	7.439	ug/L	75
22) cis-1,2-Dichloroethene	4.665	96	8759	0.777	ug/L	98
23) Bromochloromethane	4.970	128	4097	0.996	ug/L	87
25) Chloroform	5.086	83	15753	0.975	ug/L	96
27) 1,2-Dichloroethane	5.796	62	9173	0.925	ug/L	99
29) 1,1,1-Trichloroethane	5.317	97	13618	0.980	ug/L	99
30) Cyclohexane	5.385	56	11196	0.779	ug/L	97
31) Carbon tetrachloride	5.523	117	11834	0.984	ug/L	97
33) Benzene	5.774	78	33993	0.905	ug/L	100
34) Trichloroethene	6.542	95	9496	0.947	ug/L	98
35) Methylcyclohexane	6.758	83	13506	0.805	ug/L	96
37) 1,2-Dichloropropane	6.787	63	8599	0.881	ug/L #	92
38) Bromodichloromethane	7.102	83	11017	0.997	ug/L	94
39) cis-1,3-Dichloropropene	7.603	75	11811	0.824	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	35727	7.670	ug/L	96
42) Toluene	7.967	91	34338	0.841	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	9416	0.807	ug/L	93

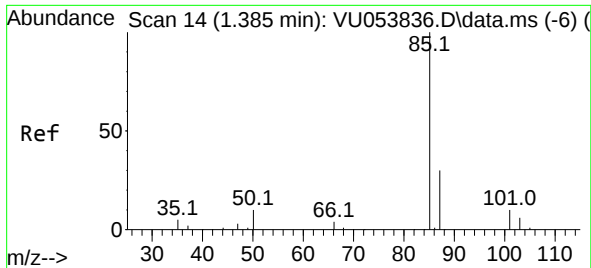
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:21:19 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	6710	0.959	ug/L	97
47) Tetrachloroethene	8.549	164	7035	0.937	ug/L	94
48) 2-Hexanone	8.684	43	25018	7.309	ug/L	95
49) Dibromochloromethane	8.806	129	6568	0.937	ug/L	97
50) 1,2-Dibromoethane	8.918	107	5785	0.864	ug/L #	96
51) Chlorobenzene	9.443	112	24039	0.932	ug/L	98
52) Ethylbenzene	9.565	91	36109	0.816	ug/L	97
53) m,p-Xylene	9.690	106	13878	0.822	ug/L	96
54) o-Xylene	10.095	106	13477	0.839	ug/L	98
55) Styrene	10.111	104	20650	0.781	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	7309	0.846	ug/L	96
59) Bromoform	10.288	173	3598	1.024	ug/L #	89
60) Isopropylbenzene	10.481	105	35533	0.878	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	5088	0.941	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.086	105	27561	0.844	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	26755	0.801	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	17901	0.985	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	18136	0.996	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	17202	1.009	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	879	0.826	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	11959	0.939	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	10311	1.021	ug/L	97
71) Naphthalene	14.085	128	15418	0.829	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	8683	0.985	ug/L	95

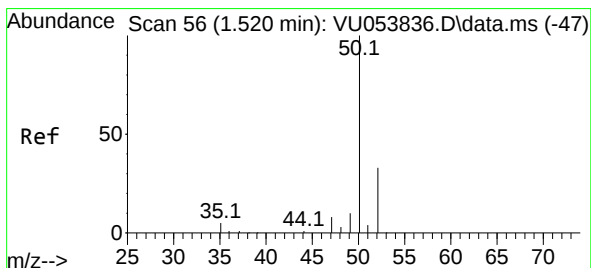
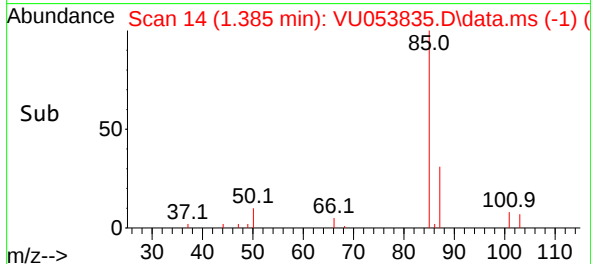
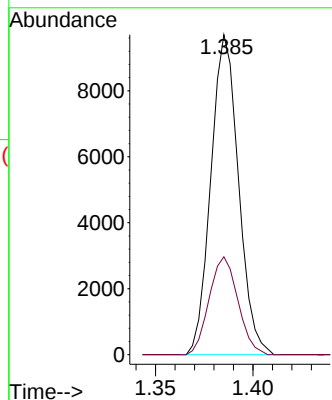
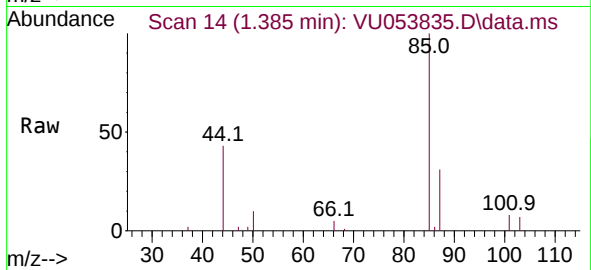
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#2
 Dichlorodifluoromethane
 Concen: 0.931 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053835.D
 Acq: 24 Apr 2023 11:27

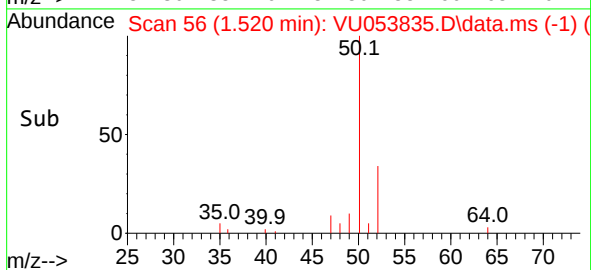
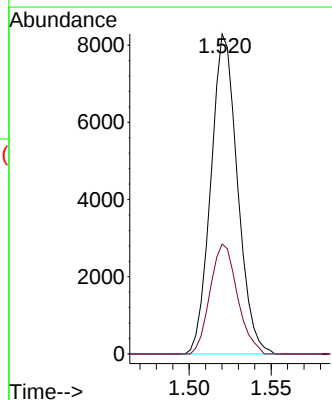
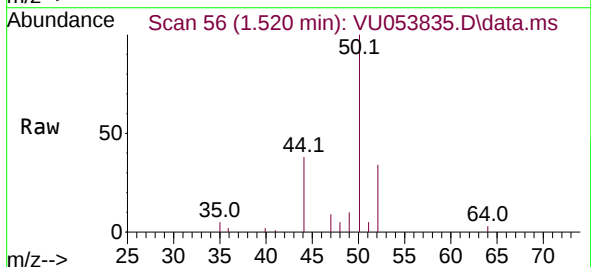
Instrument :
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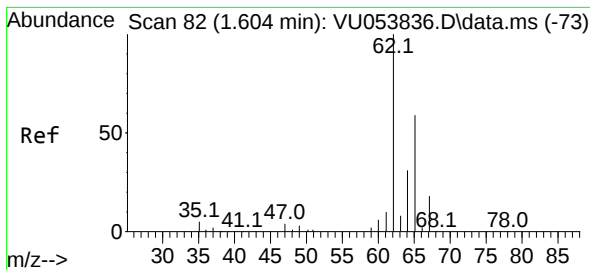
Tgt Ion: 85 Resp: 9545
 Ion Ratio Lower Upper
 85 100
 87 31.8 24.5 36.7



#3
 Chloromethane
 Concen: 0.914 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053835.D
 Acq: 24 Apr 2023 11:27

Tgt Ion: 50 Resp: 9344
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.4 43.6





#5

Vinyl chloride

Concen: 0.932 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

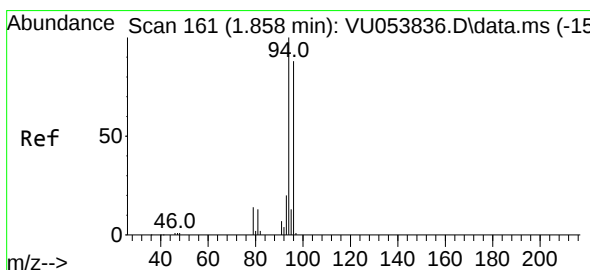
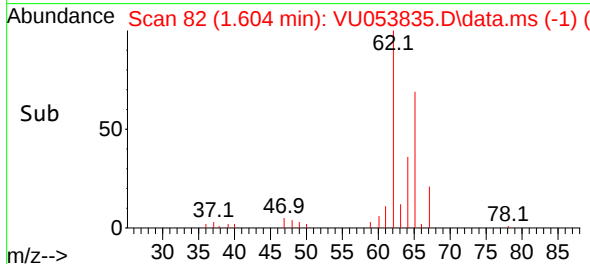
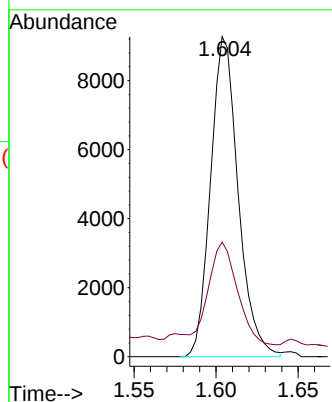
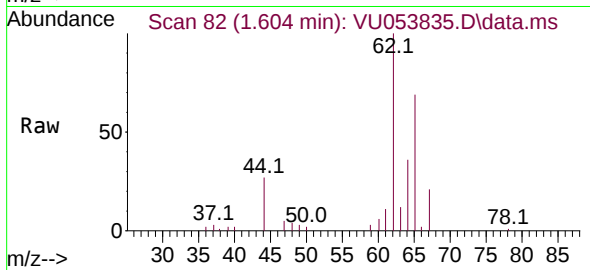
VSTD001020

Tgt Ion: 62 Resp: 10840

Ion Ratio Lower Upper

62 100

64 35.8 22.4 41.6



#6

Bromomethane

Concen: 0.916 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU053835.D

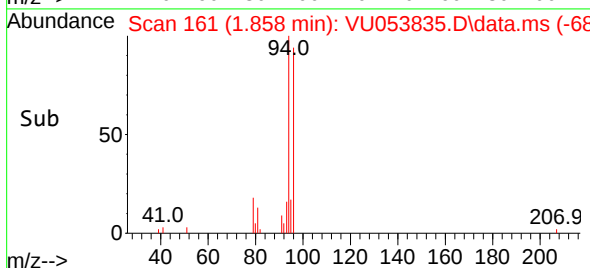
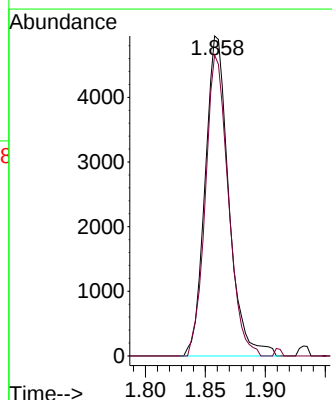
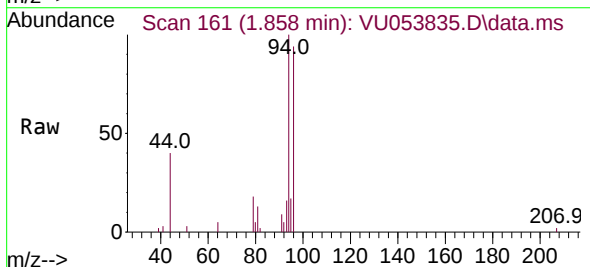
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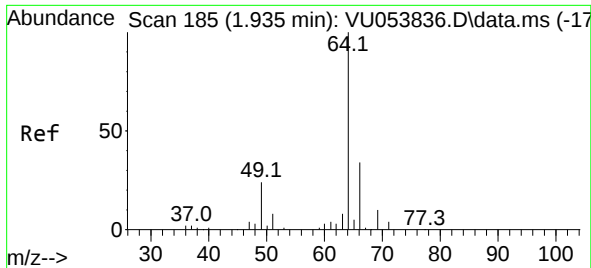
Tgt Ion: 94 Resp: 6803

Ion Ratio Lower Upper

94 100

96 94.0 61.9 114.9

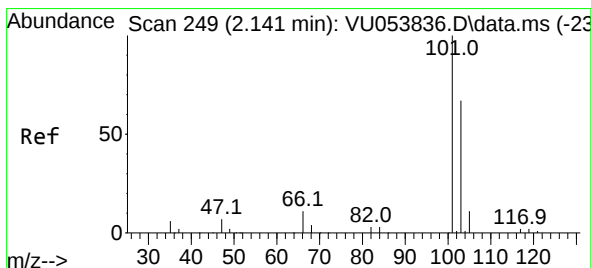
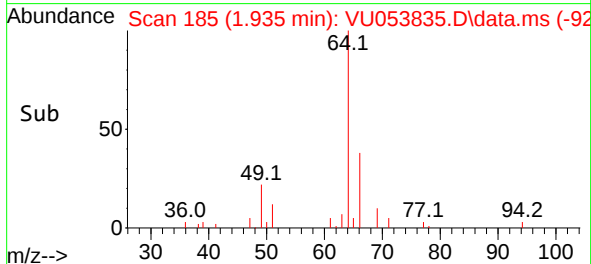
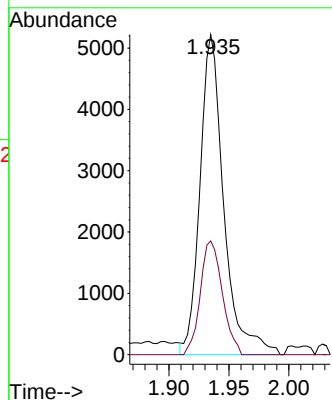
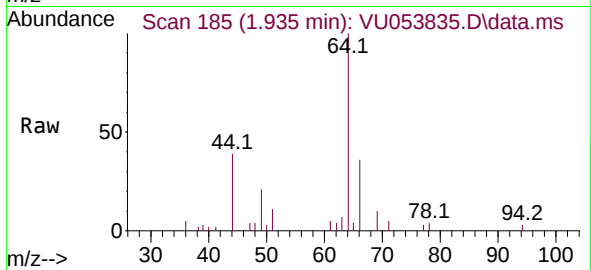




#8
Chloroethane
Concen: 1.067 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

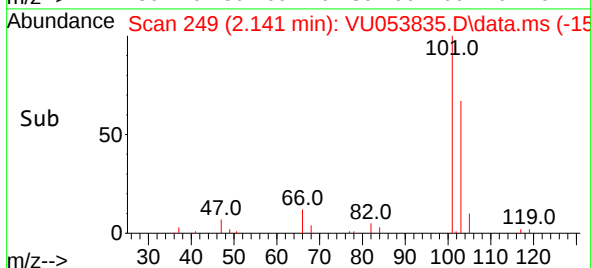
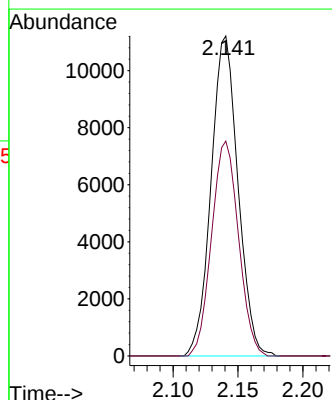
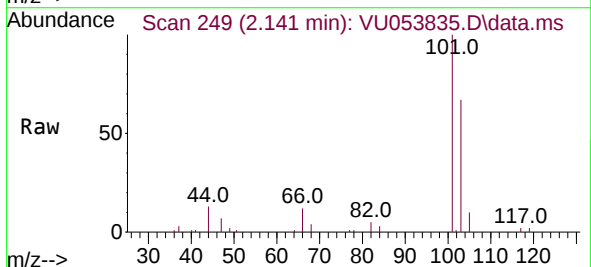
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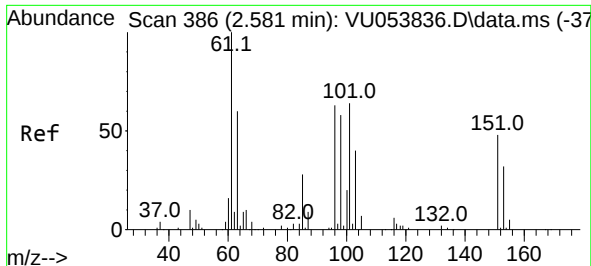
Tgt Ion: 64 Resp: 7206
Ion Ratio Lower Upper
64 100
66 35.6 23.8 44.2



#9
Trichlorofluoromethane
Concen: 0.933 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:101 Resp: 16126
Ion Ratio Lower Upper
101 100
103 67.2 52.6 78.8

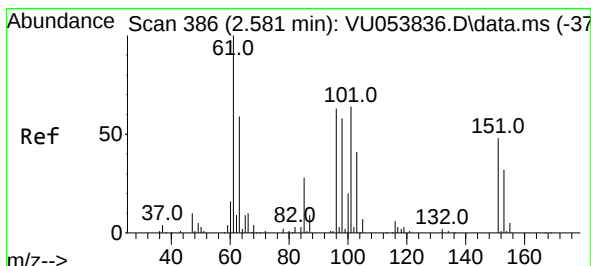
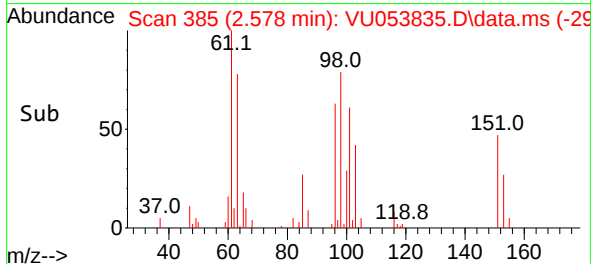
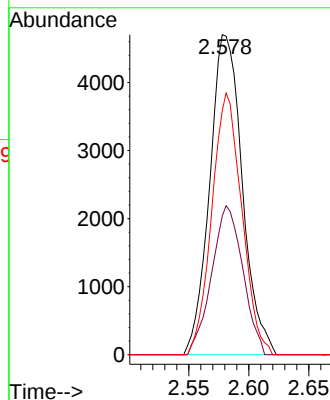
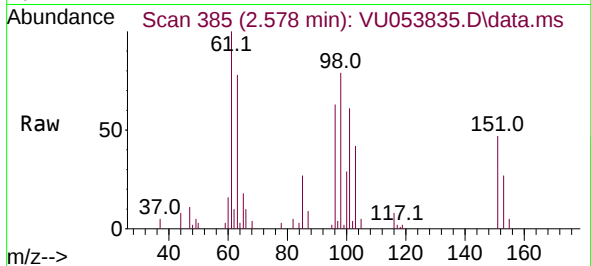




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.984 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

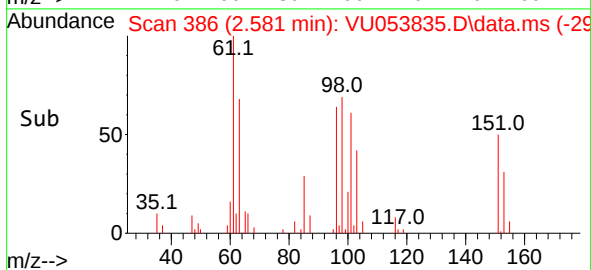
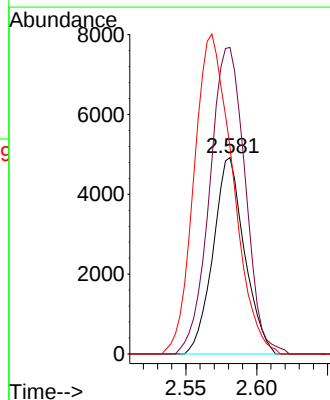
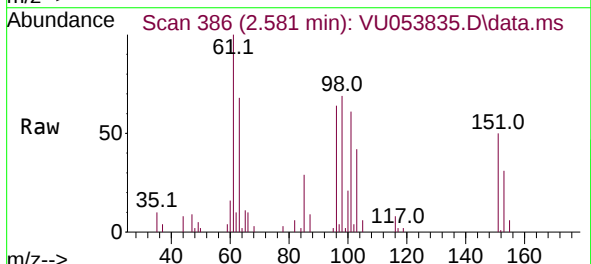
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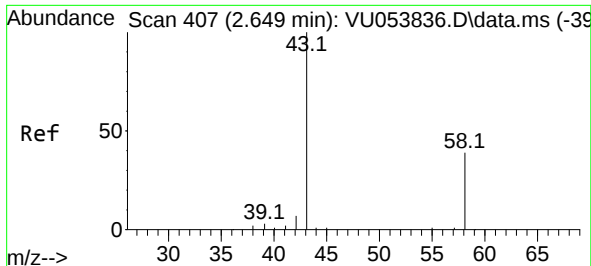
Tgt Ion:101 Resp: 8865
Ion Ratio Lower Upper
101 100
85 44.6 34.7 52.1
151 75.2 59.1 88.7



#12
1,1-Dichloroethene
Concen: 0.929 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 96 Resp: 7574
Ion Ratio Lower Upper
96 100
61 156.1 111.5 207.1
63 105.5 68.7 127.7





#13

Acetone

Concen: 9.182 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

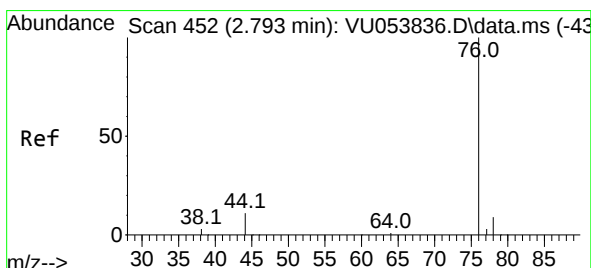
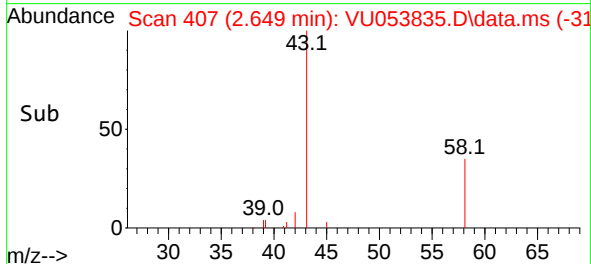
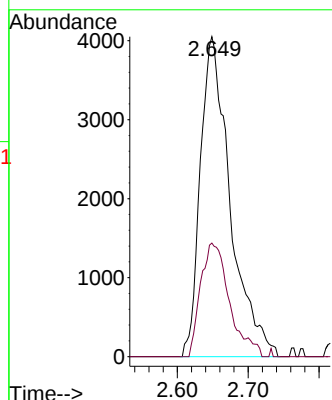
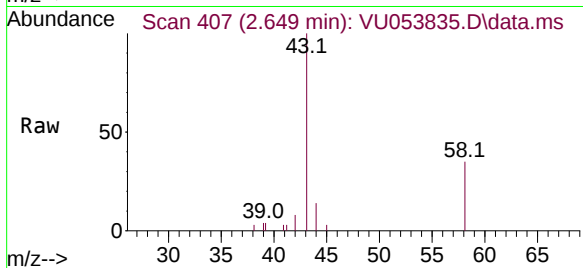
VSTD001020

Tgt Ion: 43 Resp: 11873

Ion Ratio Lower Upper

43 100

58 34.2 0.0 76.2



#14

Carbon disulfide

Concen: 0.890 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053835.D

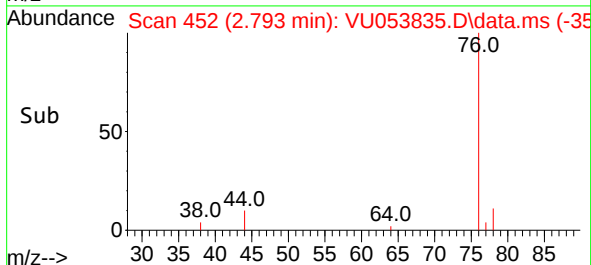
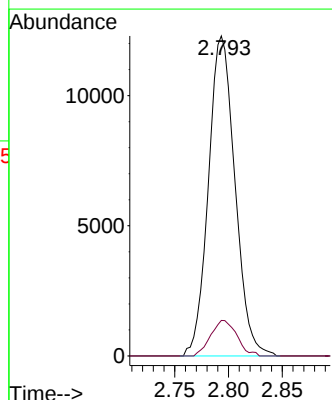
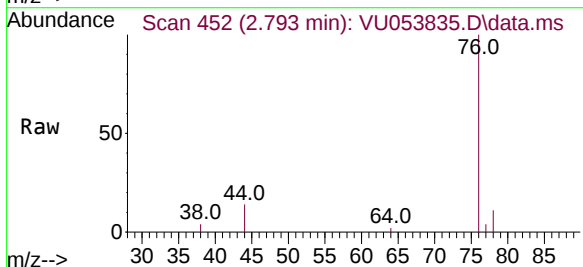
Acq: 24 Apr 2023 11:27

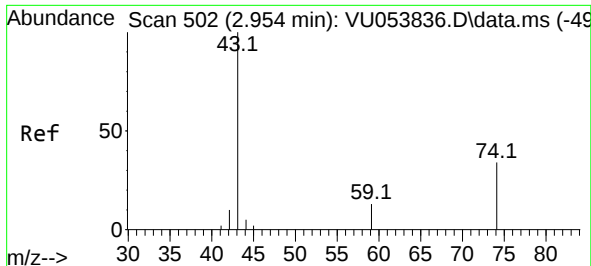
Tgt Ion: 76 Resp: 21120

Ion Ratio Lower Upper

76 100

78 11.1 7.3 10.9#

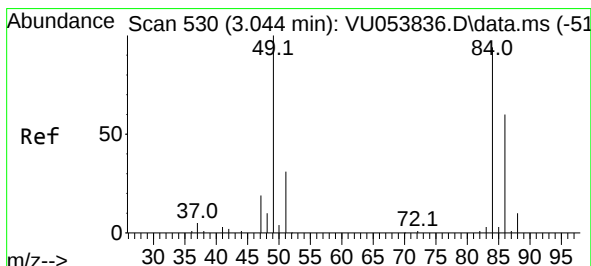
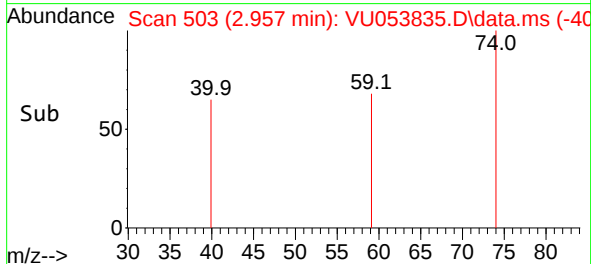
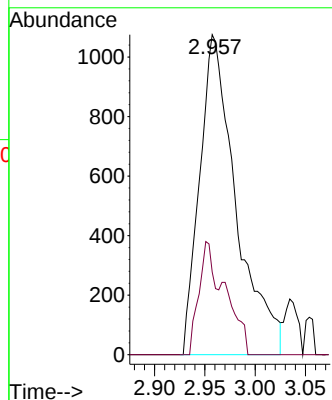
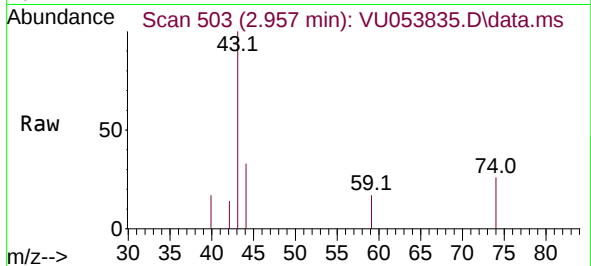




#15
Methyl Acetate
Concen: 0.898 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

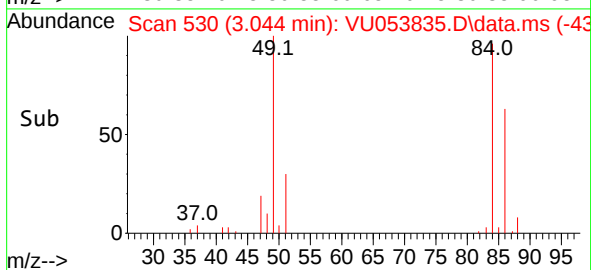
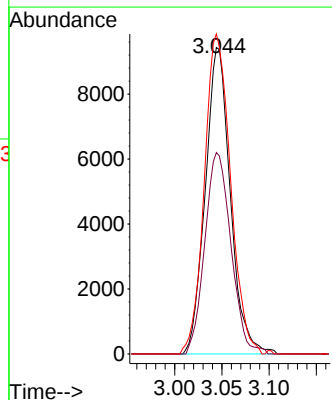
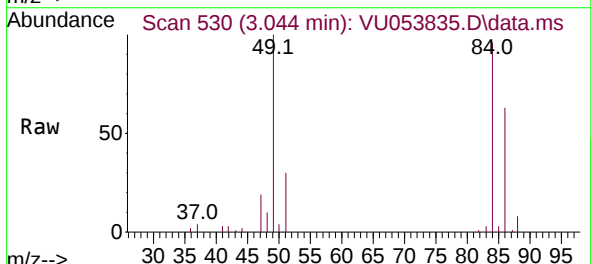
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ClientSampleId :
VSTD001020

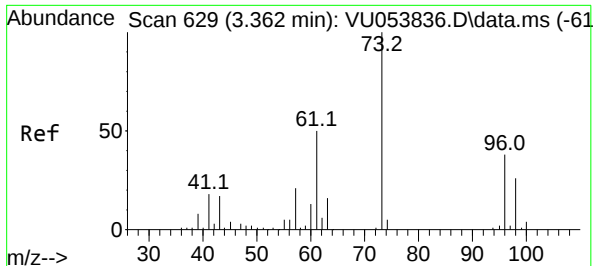
Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
74 15.9 22.0 33.0#



#16
Methylene chloride
Concen: 1.608 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 84 Resp: 17403
Ion Ratio Lower Upper
84 100
86 65.8 45.0 83.6
49 104.4 74.8 138.8

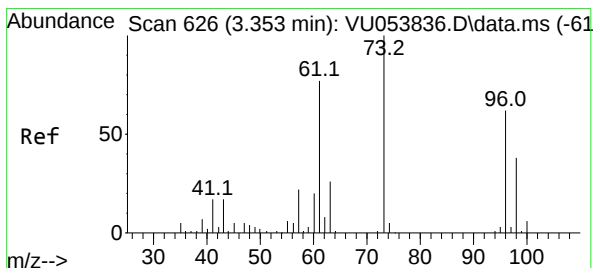
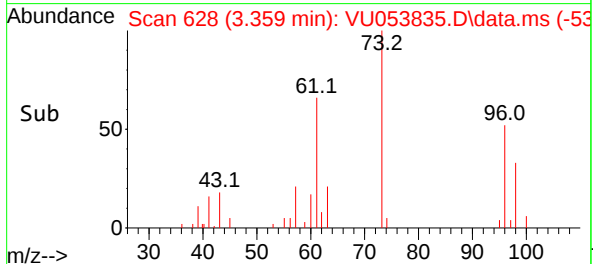
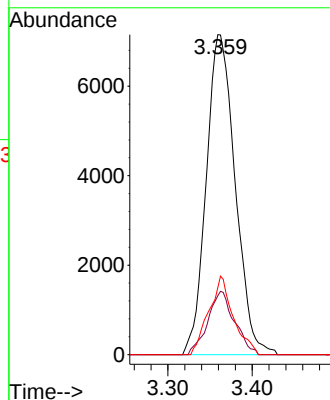
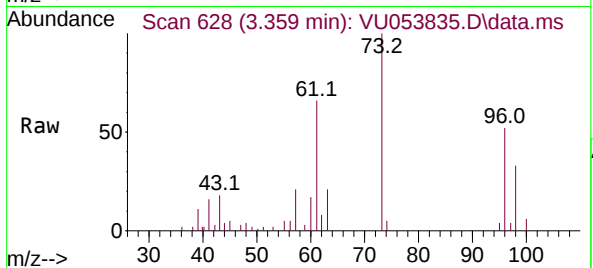




#17
Methyl tert-butyl Ether
Concen: 0.882 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

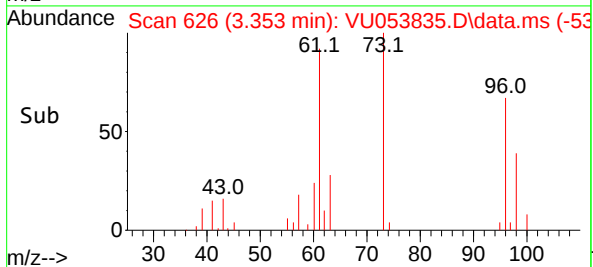
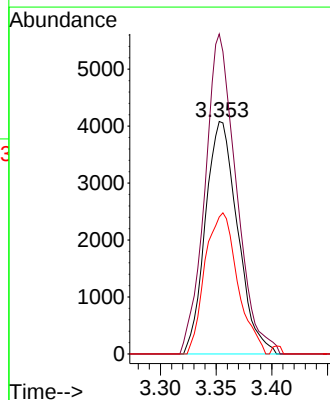
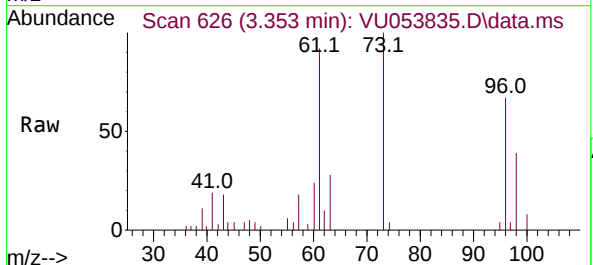
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

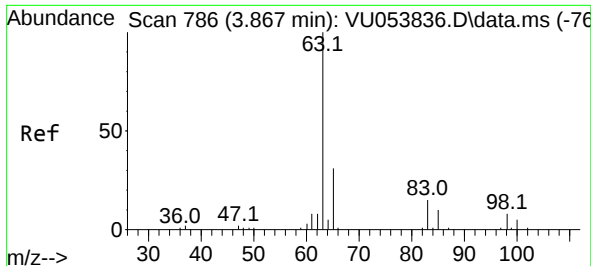
Tgt Ion: 73	Resp: 17099
Ion Ratio	Lower Upper
73	100
43	18.2 13.4 20.2
57	20.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.974 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 96	Resp: 8215
Ion Ratio	Lower Upper
96	100
61	137.6 86.2 160.0
98	58.9 42.8 79.4

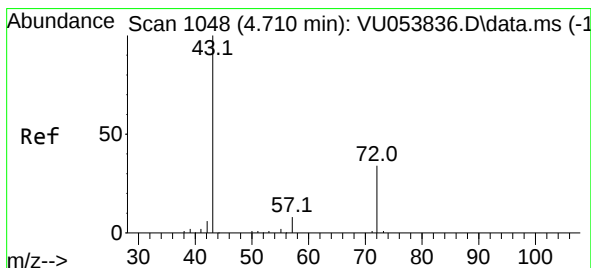
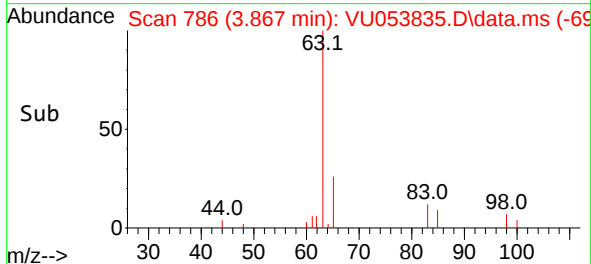
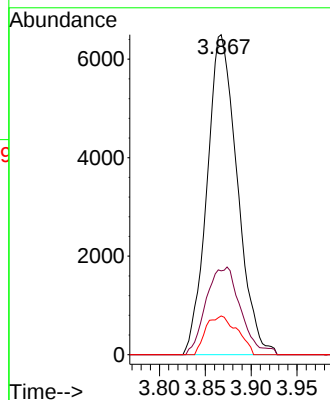
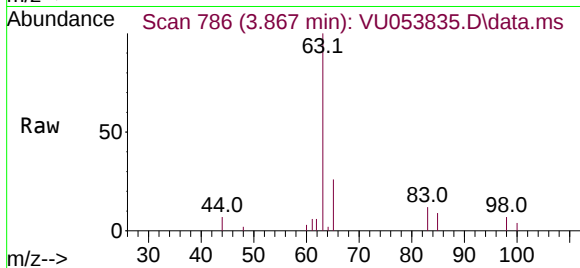




#19
1,1-Dichloroethane
Concen: 0.959 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

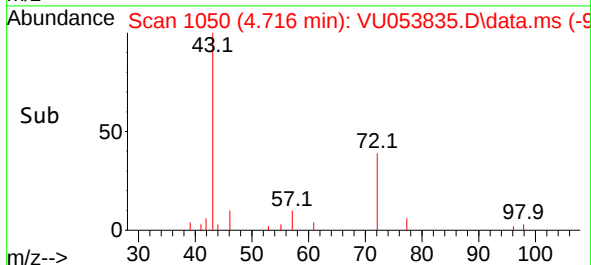
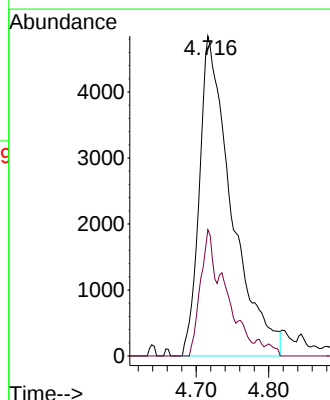
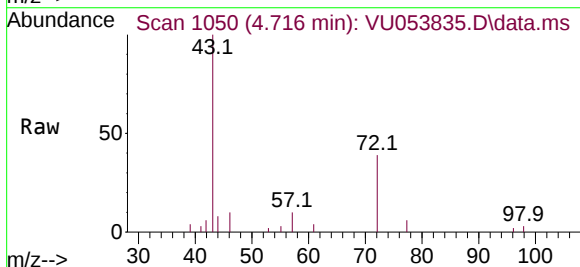
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

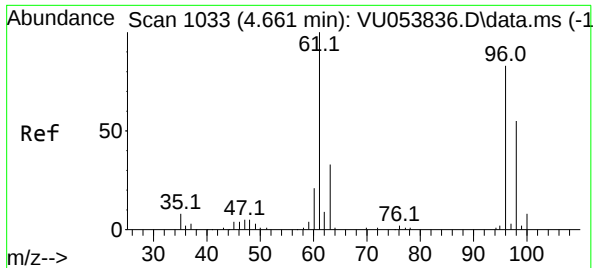
Tgt Ion:	63	Resp:	14901
Ion	Ratio	Lower	Upper
63	100		
65	26.2	22.0	40.8
83	12.1	10.3	19.1



#21
2-Butanone
Concen: 7.439 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:	43	Resp:	14917
Ion	Ratio	Lower	Upper
43	100		
72	17.6	15.7	47.0





#22

cis-1,2-Dichloroethene

Concen: 0.777 ug/L

RT: 4.665 min Scan# 110

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001020

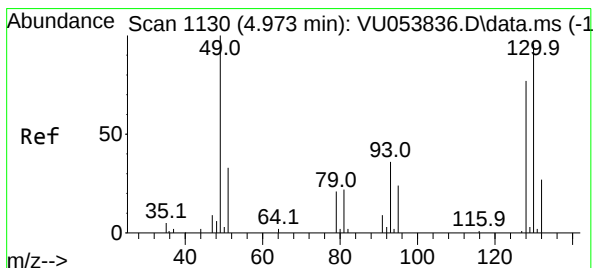
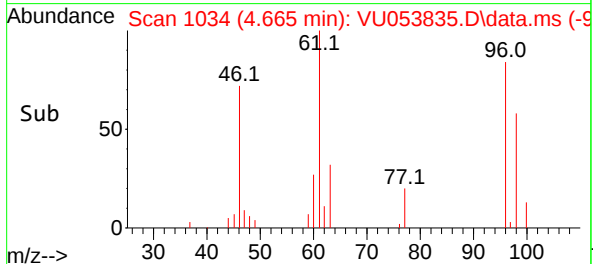
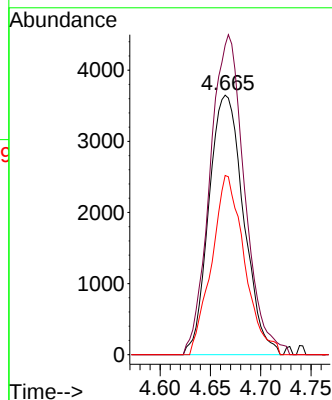
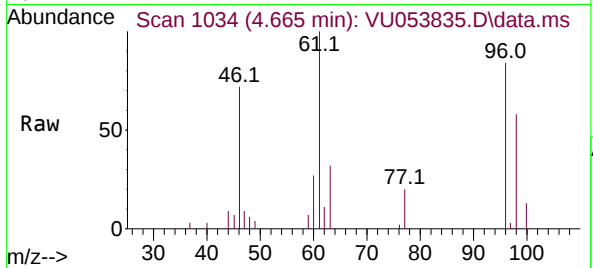
Tgt Ion: 96 Resp: 8759

Ion Ratio Lower Upper

96 100

61 119.2 84.3 156.5

98 69.0 46.4 86.2



#23

Bromochloromethane

Concen: 0.996 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Tgt Ion: 128 Resp: 4097

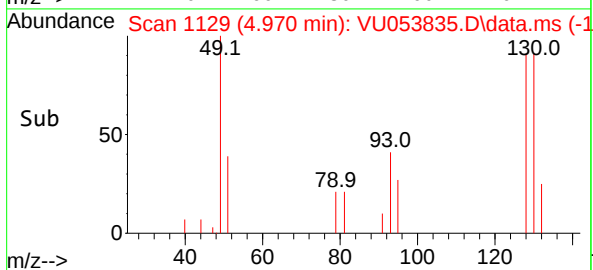
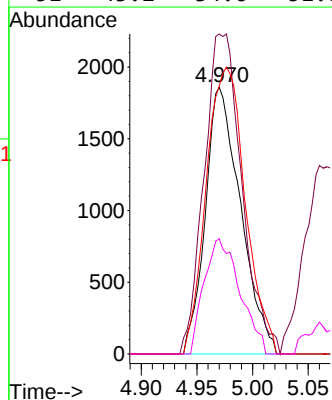
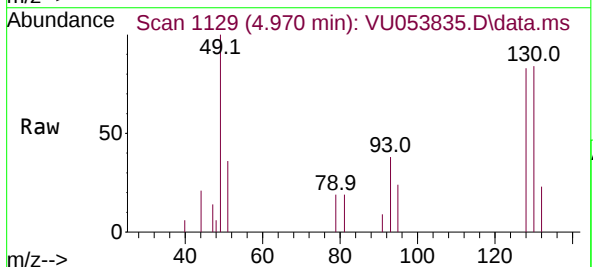
Ion Ratio Lower Upper

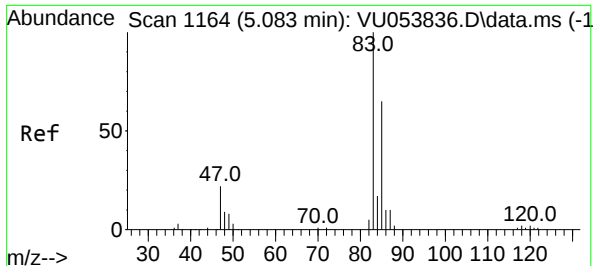
128 100

49 119.9 91.3 169.5

130 100.5 87.6 162.8

51 43.2 34.6 51.8





#25

Chloroform

Concen: 0.975 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

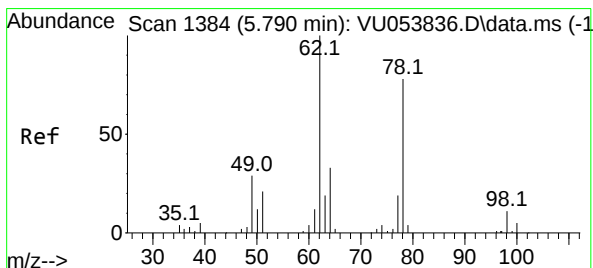
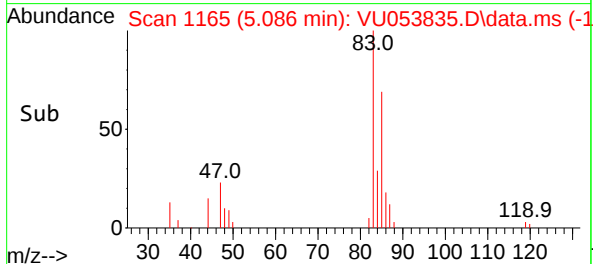
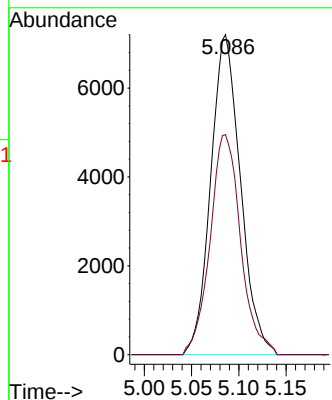
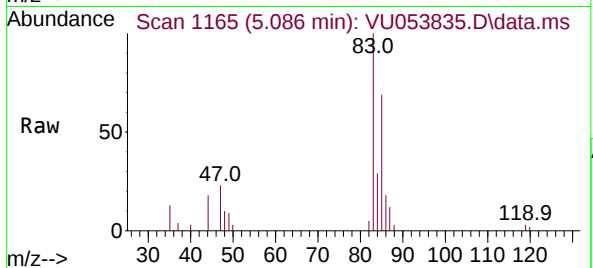
VSTD001020

Tgt Ion: 83 Resp: 15753

Ion Ratio Lower Upper

83 100

85 68.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.925 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VU053835.D

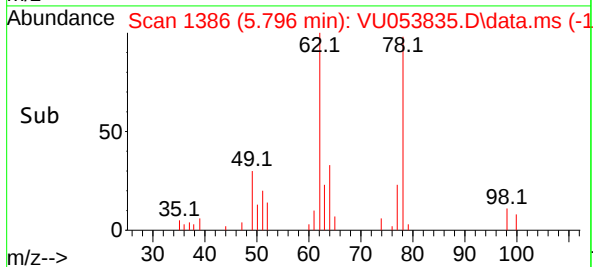
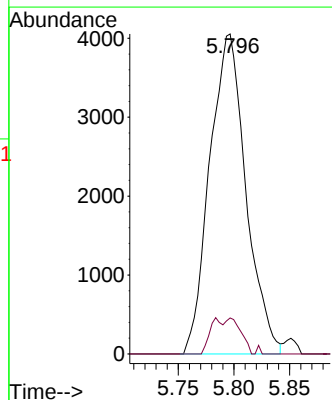
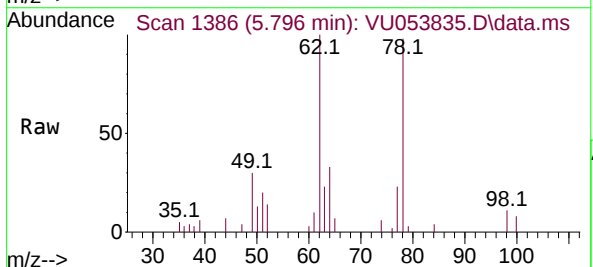
Acq: 24 Apr 2023 11:27

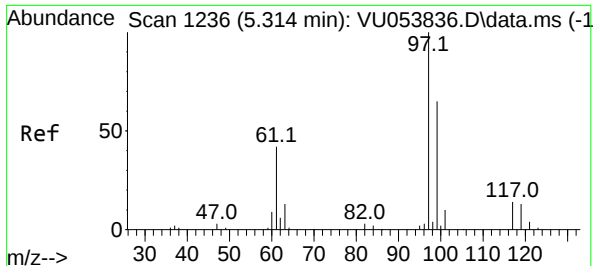
Tgt Ion: 62 Resp: 9173

Ion Ratio Lower Upper

62 100

98 11.2 8.7 13.1

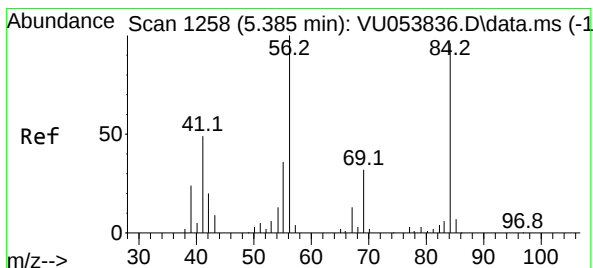
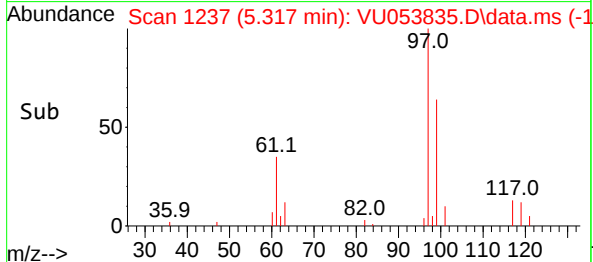
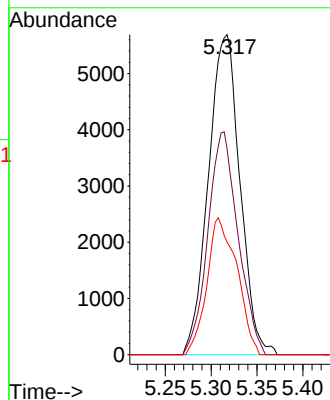
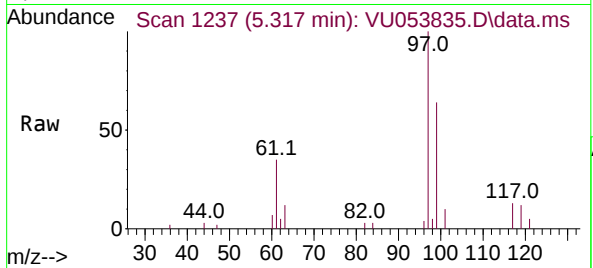




#29
1,1,1-Trichloroethane
Concen: 0.980 ug/L
RT: 5.317 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

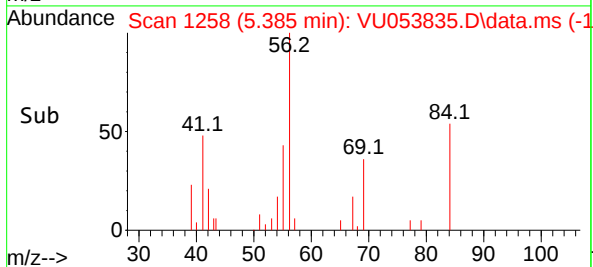
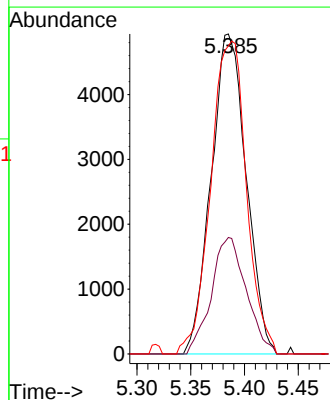
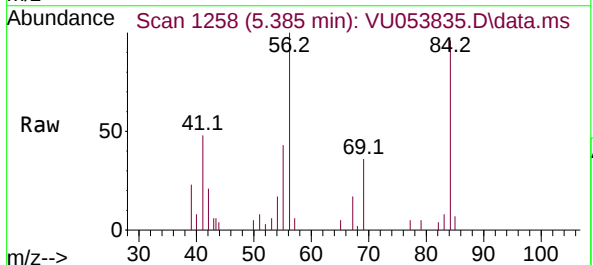
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

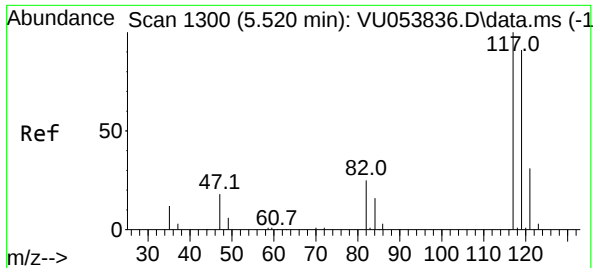
Tgt Ion: 97	Resp: 13618
Ion Ratio	Lower Upper
97 100	
99 66.6	52.9 79.3
61 40.7	33.8 50.8



#30
Cyclohexane
Concen: 0.779 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 56	Resp: 11196
Ion Ratio	Lower Upper
56 100	
69 36.2	27.0 40.4
84 99.4	78.0 117.0

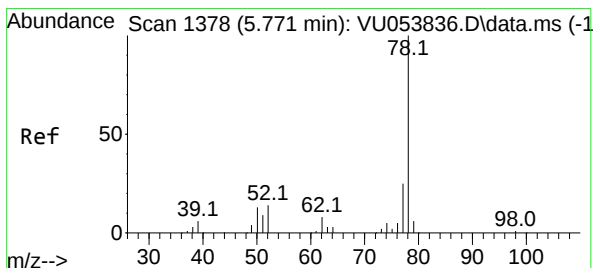
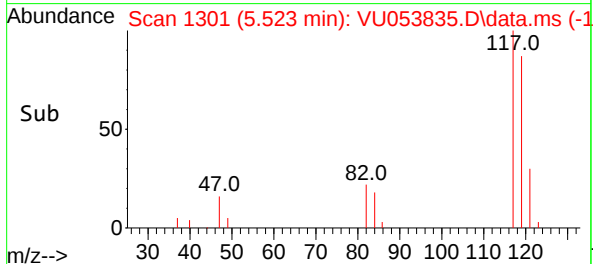
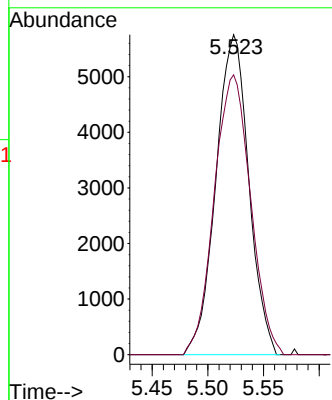
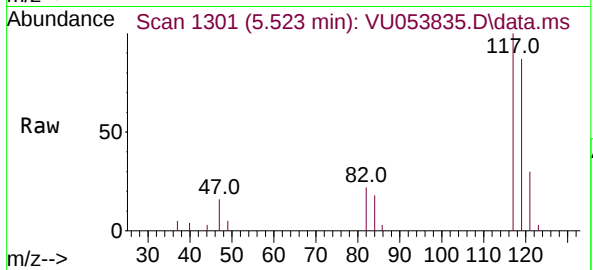




#31
Carbon tetrachloride
Concen: 0.984 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

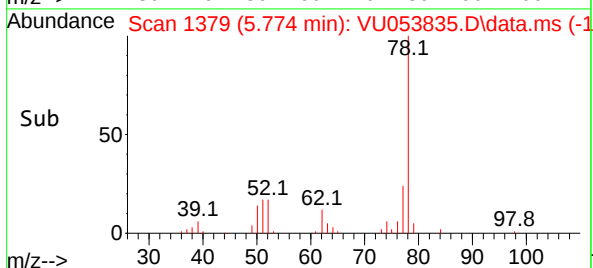
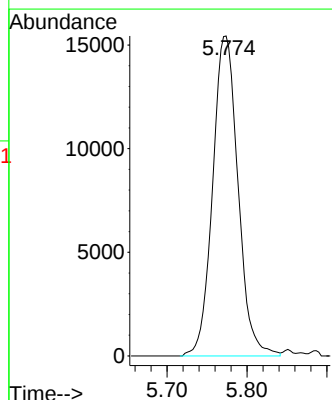
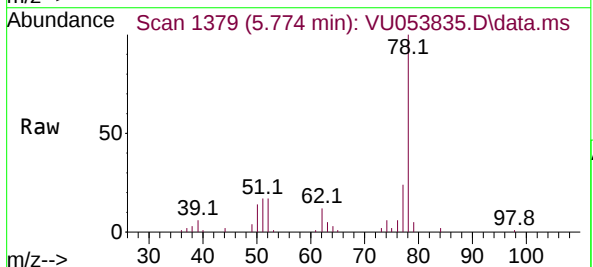
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

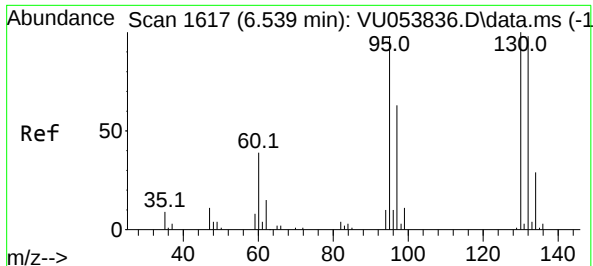
Tgt Ion:117 Resp: 11834
Ion Ratio Lower Upper
117 100
119 96.3 75.0 112.6



#33
Benzene
Concen: 0.905 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 78 Resp: 33993





#34

Trichloroethene

Concen: 0.947 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001020

Tgt Ion: 95 Resp: 9496

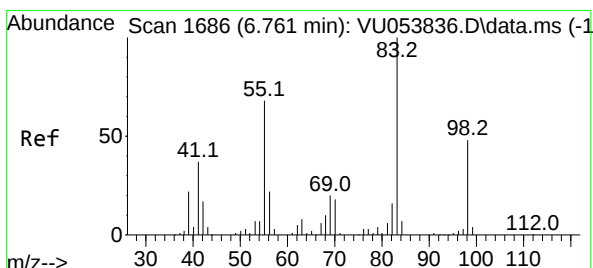
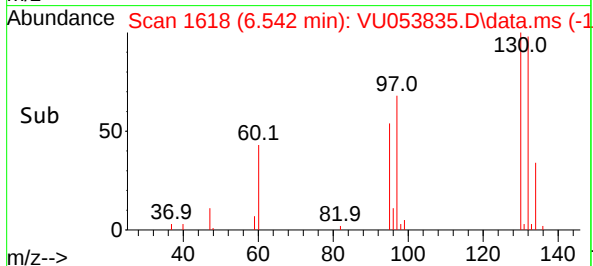
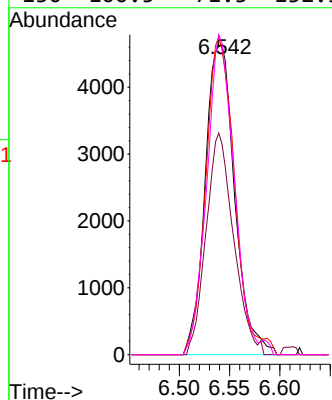
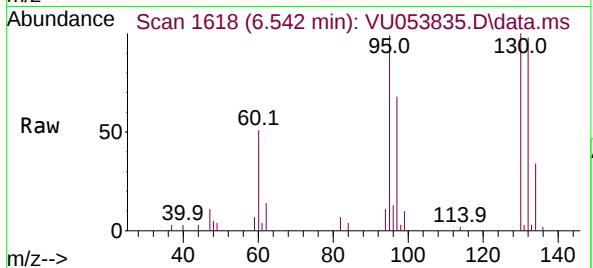
Ion Ratio Lower Upper

95 100

97 68.0 45.1 83.9

132 98.6 69.9 129.9

130 100.5 71.3 132.3



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

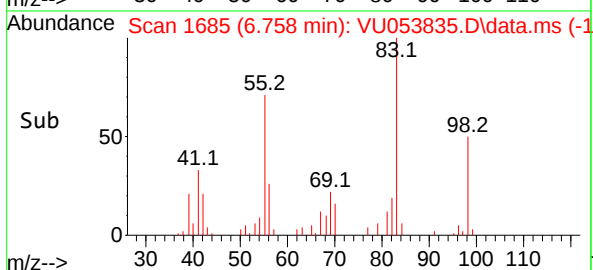
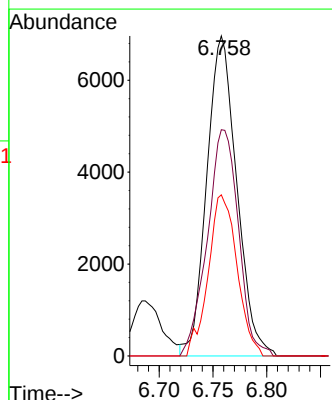
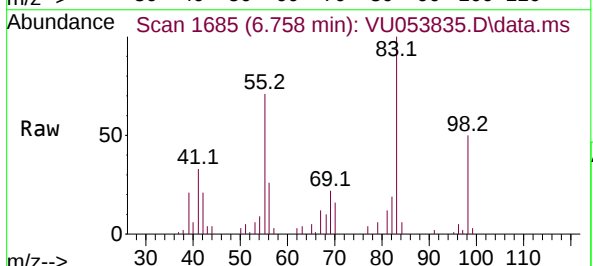
Tgt Ion: 83 Resp: 13506

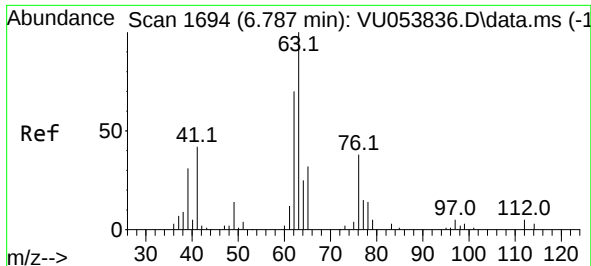
Ion Ratio Lower Upper

83 100

55 73.4 55.4 83.2

98 48.3 37.3 55.9





#37

1,2-Dichloropropane

Concen: 0.881 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

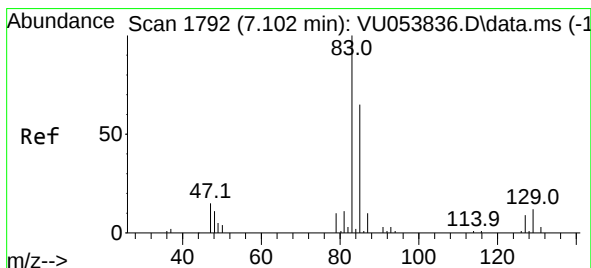
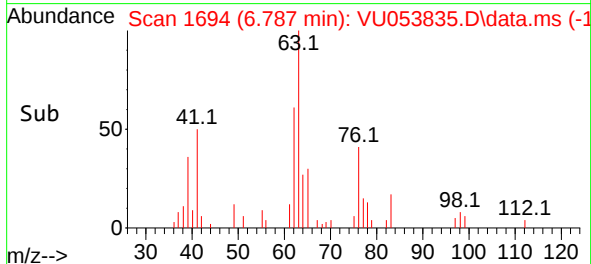
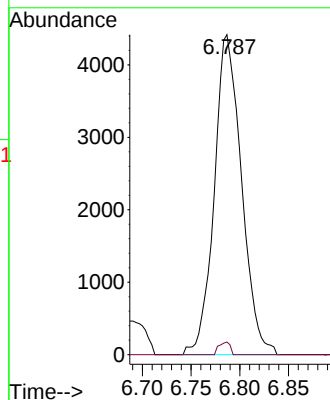
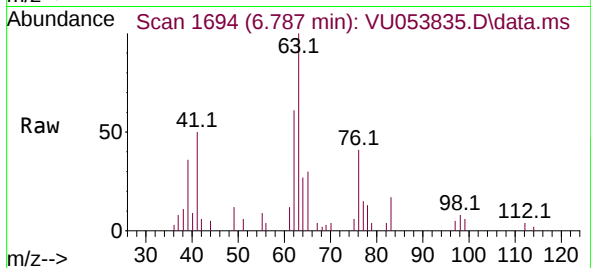
VSTD001020

Tgt Ion: 63 Resp: 8599

Ion Ratio Lower Upper

63 100

112 1.6 3.5 5.3#



#38

Bromodichloromethane

Concen: 0.997 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

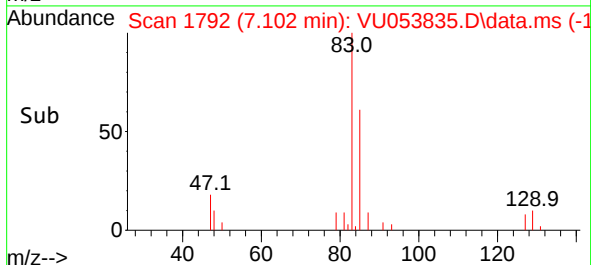
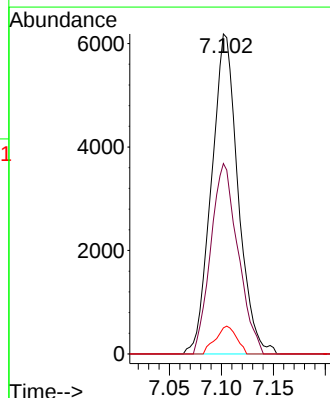
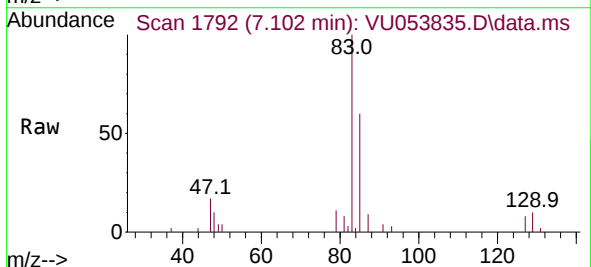
Tgt Ion: 83 Resp: 11017

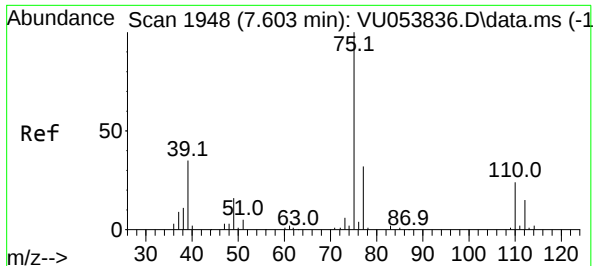
Ion Ratio Lower Upper

83 100

85 59.5 45.2 84.0

127 8.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 0.824 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

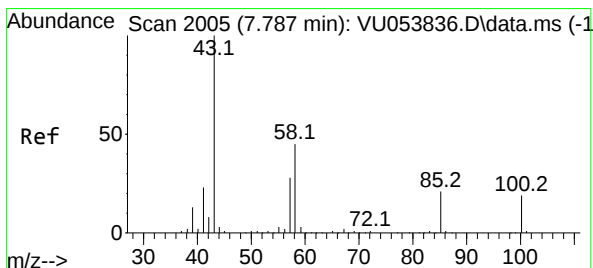
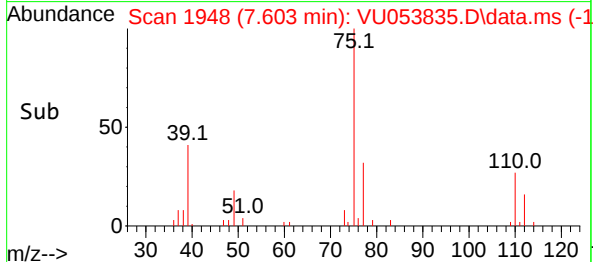
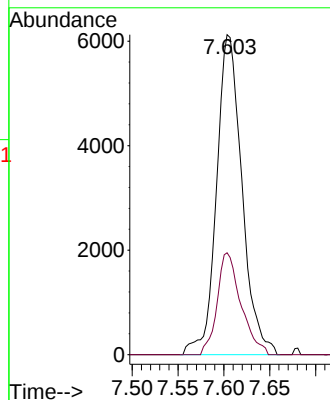
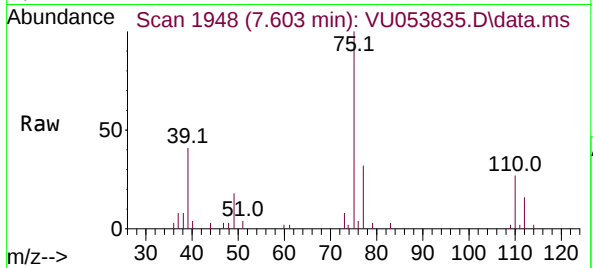
VSTD001020

Tgt Ion: 75 Resp: 11811

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 7.670 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

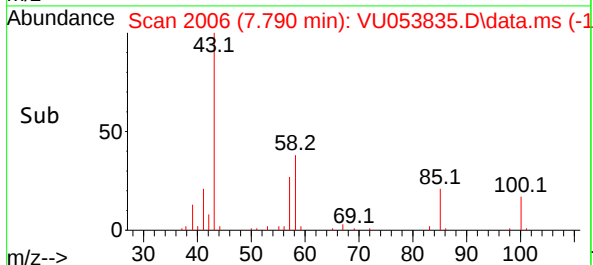
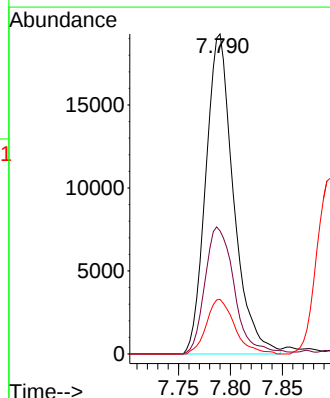
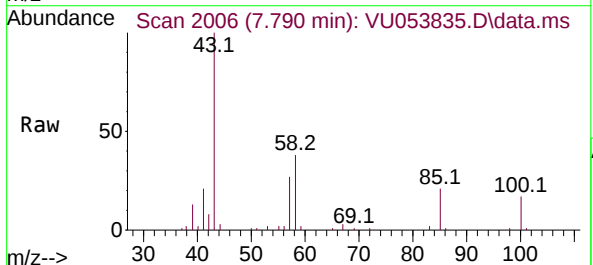
Tgt Ion: 43 Resp: 35727

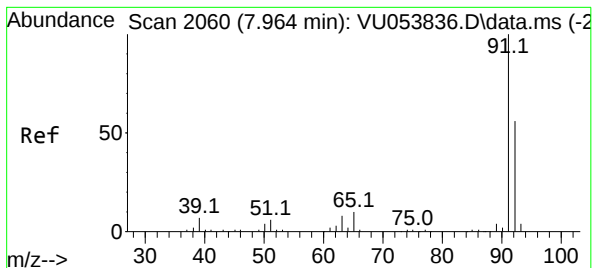
Ion Ratio Lower Upper

43 100

58 42.2 36.0 54.0

100 17.4 15.1 22.7





#42

Toluene

Concen: 0.841 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

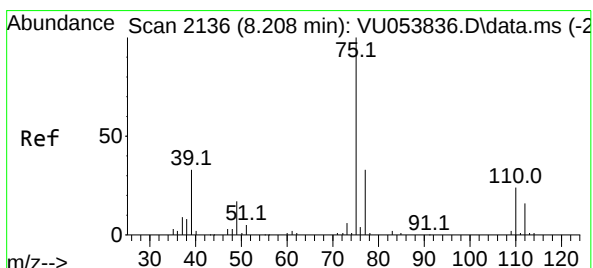
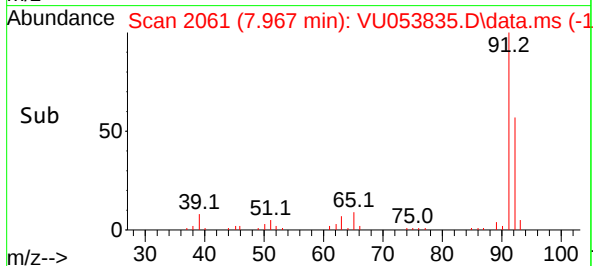
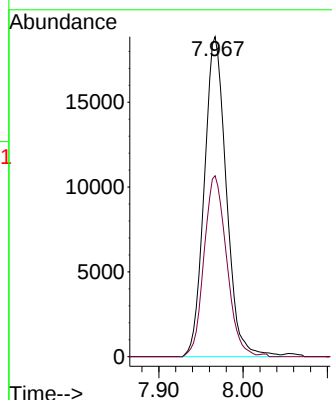
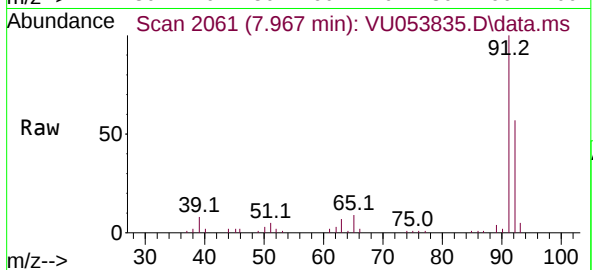
VSTD001020

Tgt Ion: 91 Resp: 34338

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 0.807 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU053835.D

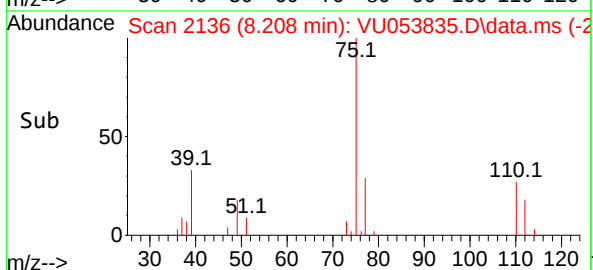
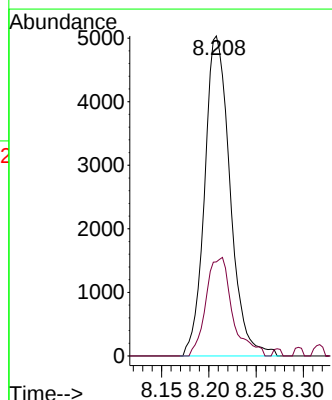
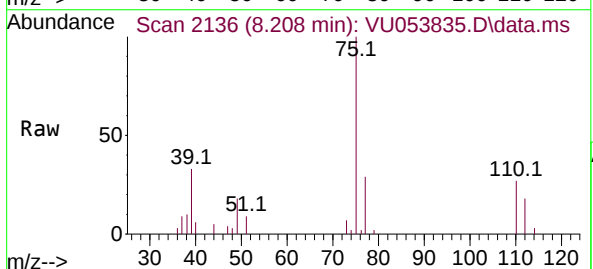
Acq: 24 Apr 2023 11:27

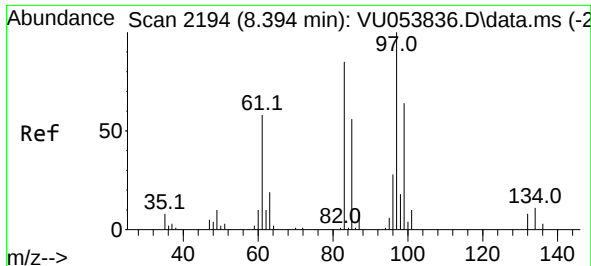
Tgt Ion: 75 Resp: 9416

Ion Ratio Lower Upper

75 100

77 29.4 23.3 43.3





#45

1,1,2-Trichloroethane

Concen: 0.959 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001020

Tgt Ion: 97 Resp: 6710

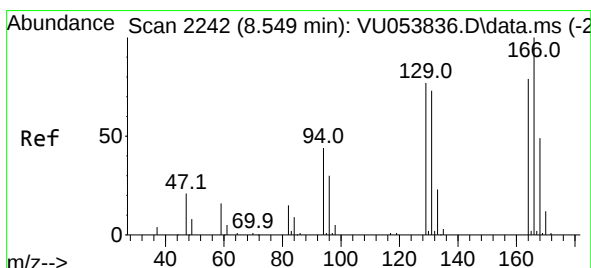
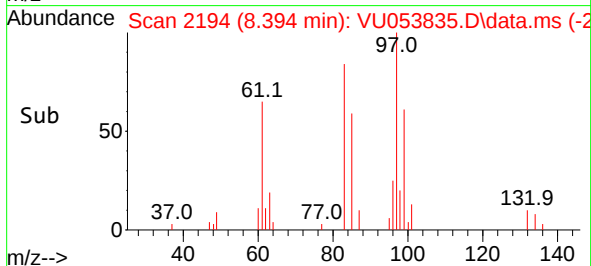
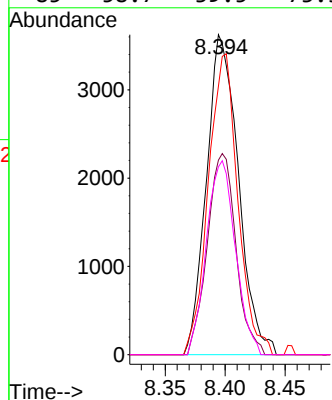
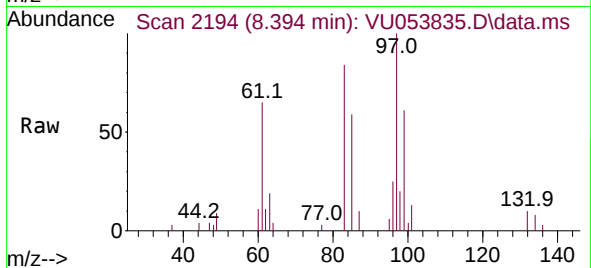
Ion Ratio Lower Upper

97 100

99 60.8 44.7 83.1

83 83.9 59.8 111.1

85 58.7 39.5 73.3



#47

Tetrachloroethene

Concen: 0.937 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Tgt Ion: 164 Resp: 7035

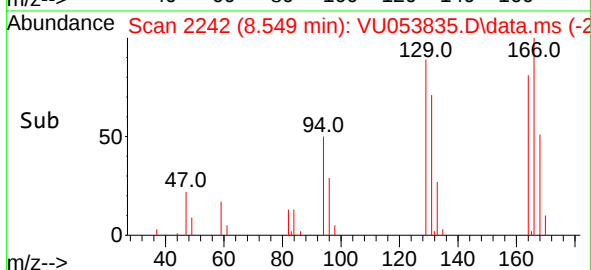
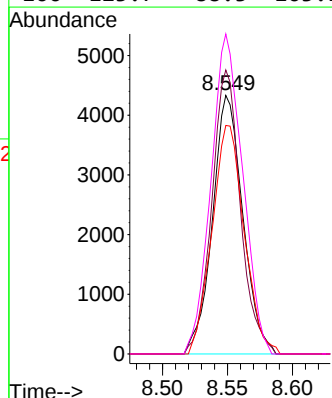
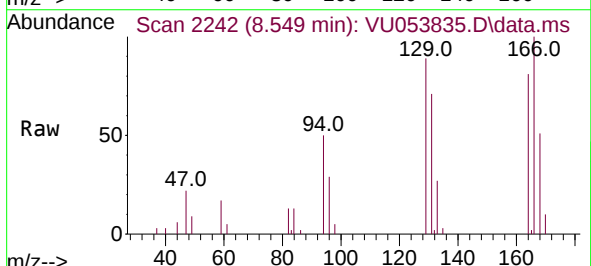
Ion Ratio Lower Upper

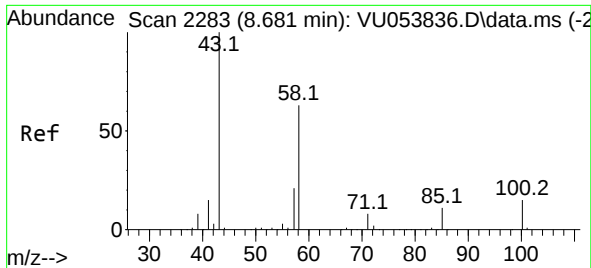
164 100

129 109.8 68.3 126.8

131 88.4 64.4 119.6

166 123.7 88.3 163.9

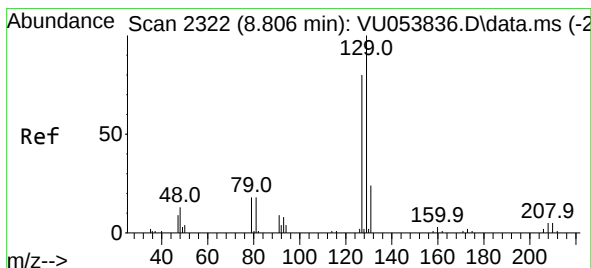
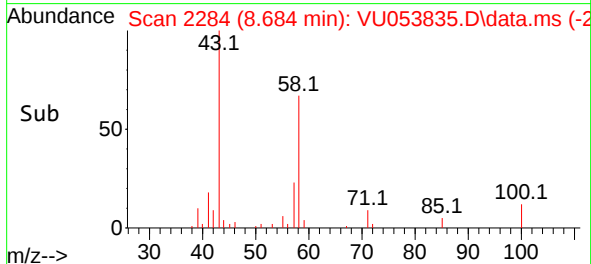
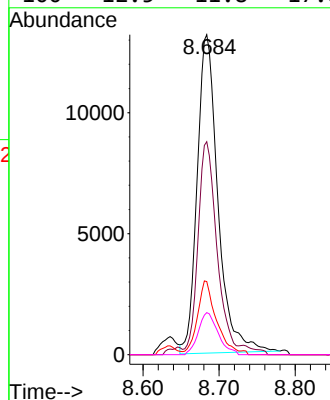
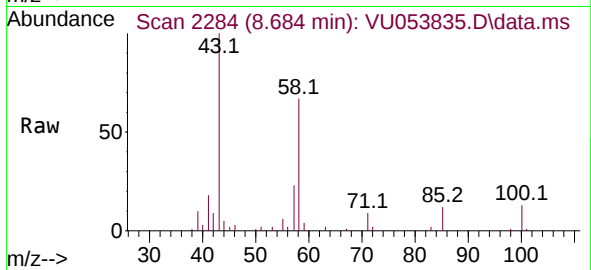




#48
2-Hexanone
Concen: 7.309 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

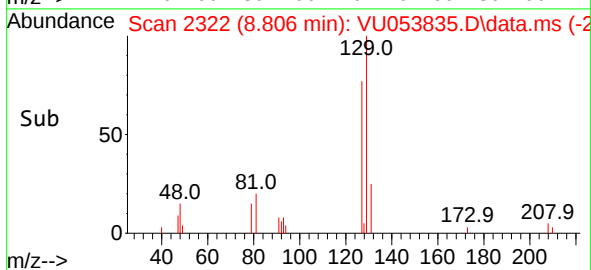
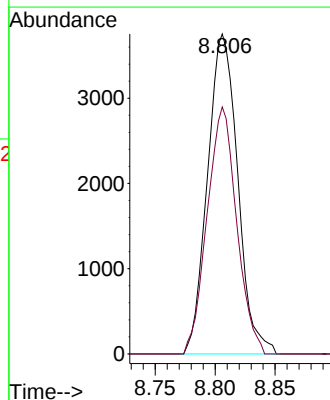
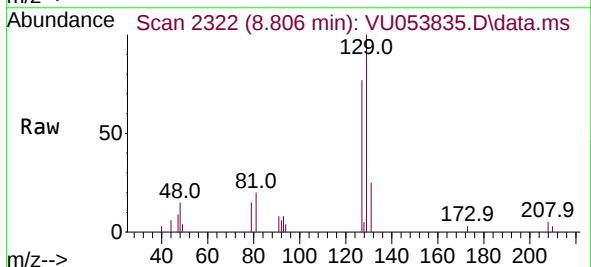
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

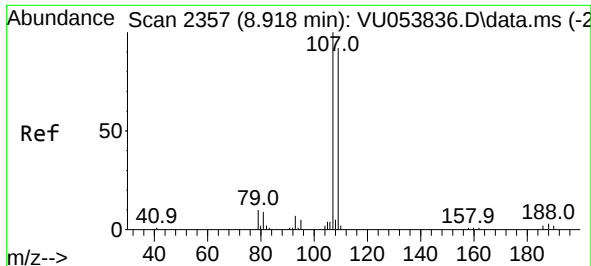
Tgt Ion:	43	Resp:	25018
Ion	Ratio	Lower	Upper
43	100		
58	57.7	49.8	74.6
57	21.3	16.9	25.3
100	12.5	11.8	17.8



#49
Dibromochloromethane
Concen: 0.937 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:	129	Resp:	6568
Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.7	103.5





#50

1,2-Dibromoethane

Concen: 0.864 ug/L

RT: 8.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001020

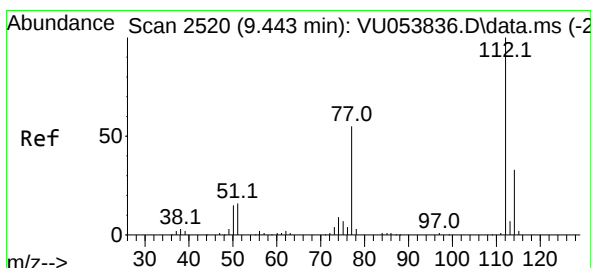
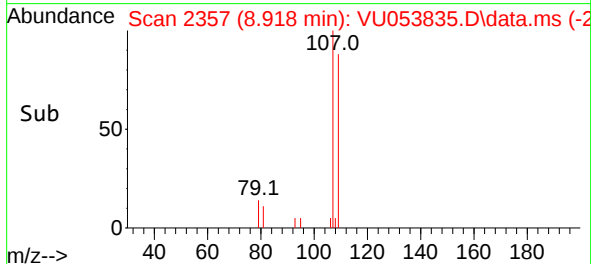
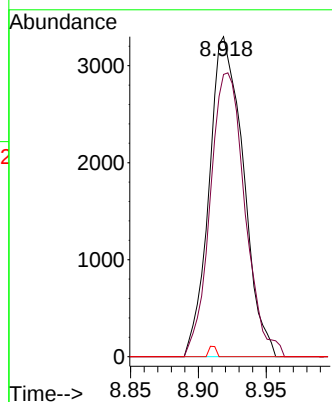
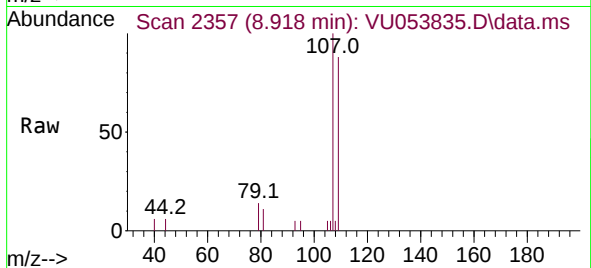
Tgt Ion:107 Resp: 5785

Ion Ratio Lower Upper

107 100

109 88.2 64.3 119.5

188 0.0 2.1 3.1#



#51

Chlorobenzene

Concen: 0.932 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

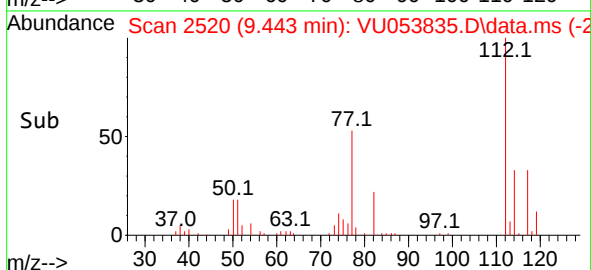
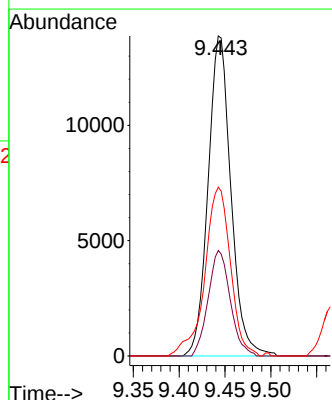
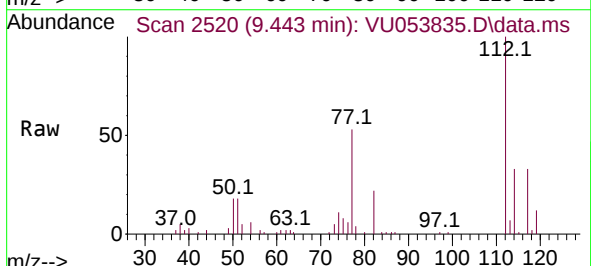
Tgt Ion:112 Resp: 24039

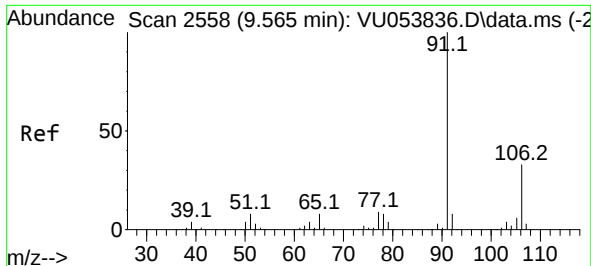
Ion Ratio Lower Upper

112 100

114 33.0 23.0 42.6

77 52.8 44.4 66.6

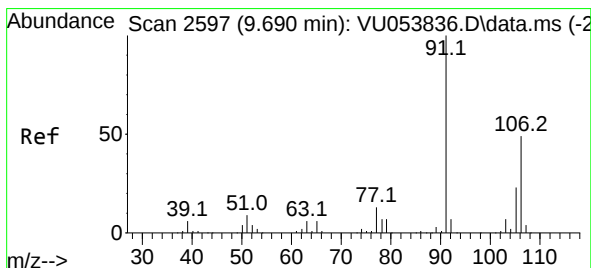
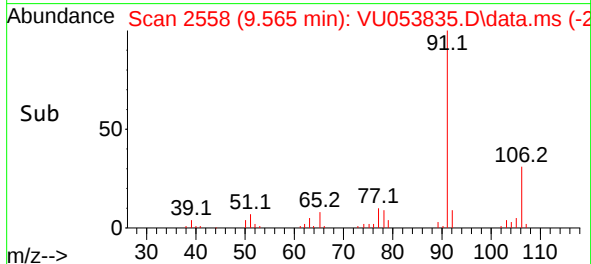
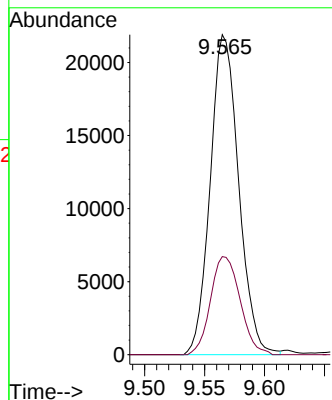
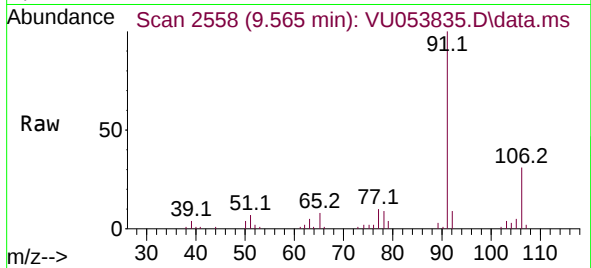




#52
Ethylbenzene
Concen: 0.816 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

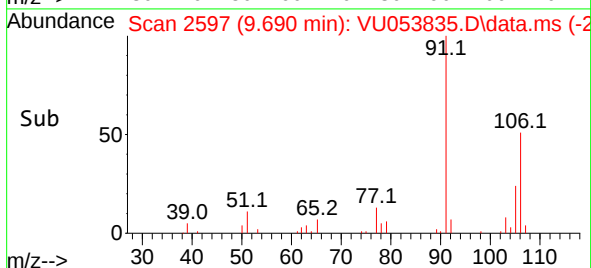
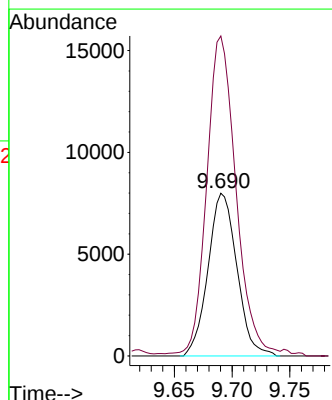
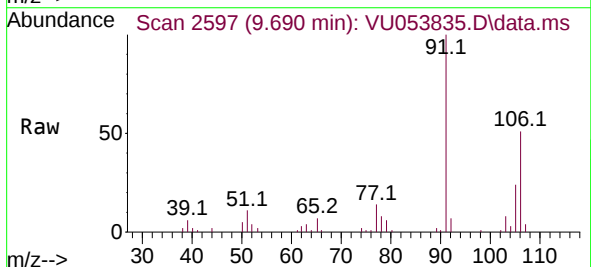
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

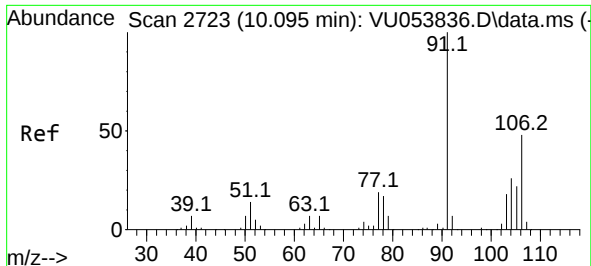
Tgt Ion: 91 Resp: 36109
Ion Ratio Lower Upper
91 100
106 30.7 22.8 42.4



#53
m,p-Xylene
Concen: 0.822 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 106 Resp: 13878
Ion Ratio Lower Upper
106 100
91 196.6 142.2 264.0

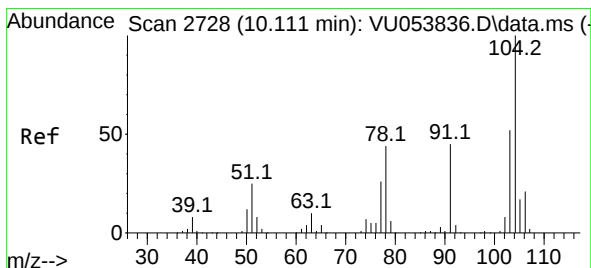
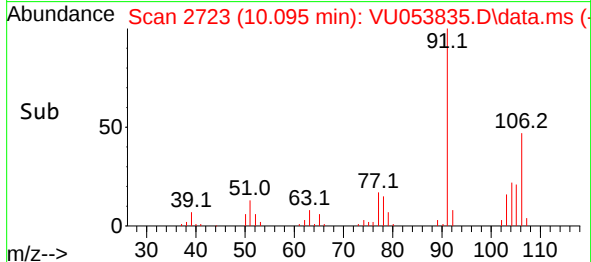
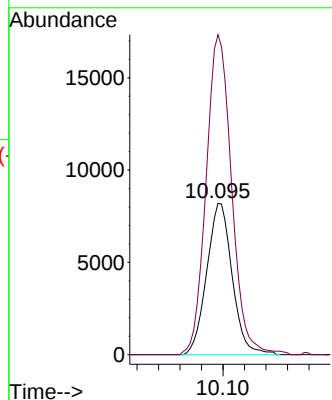
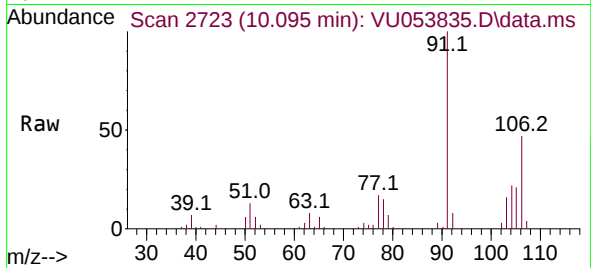




#54
o-Xylene
Concen: 0.839 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

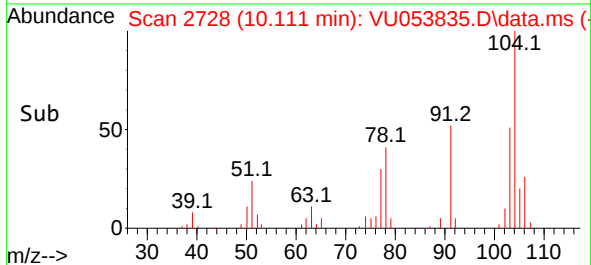
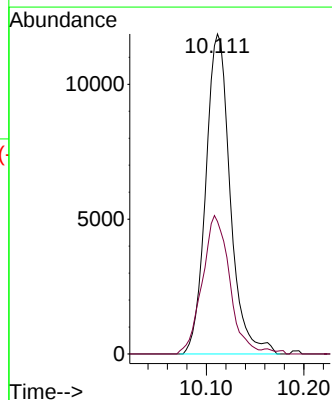
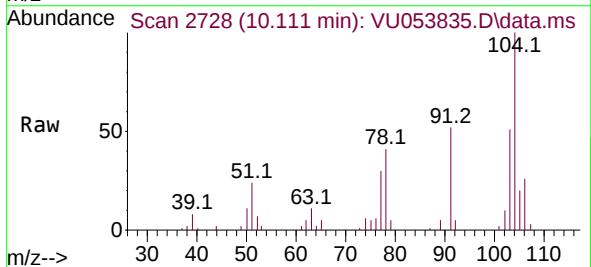
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

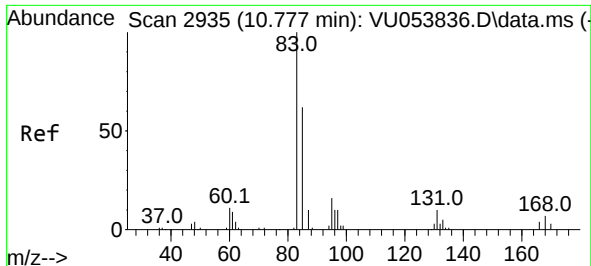
Tgt Ion:106 Resp: 13477
Ion Ratio Lower Upper
106 100
91 211.4 145.5 270.1



#55
Styrene
Concen: 0.781 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:104 Resp: 20650
Ion Ratio Lower Upper
104 100
78 41.4 30.9 57.5

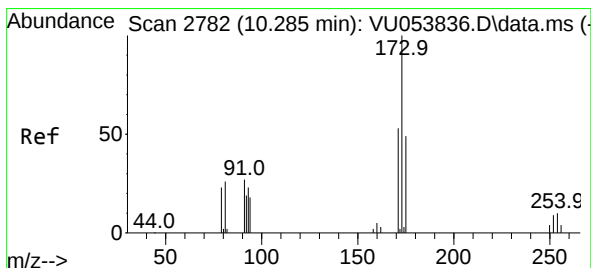
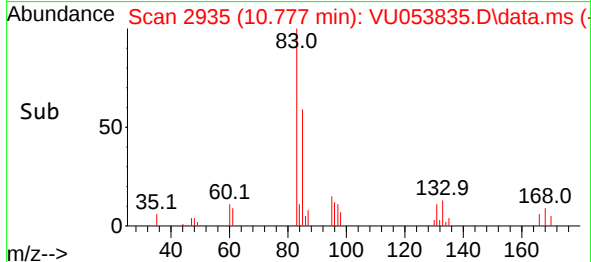
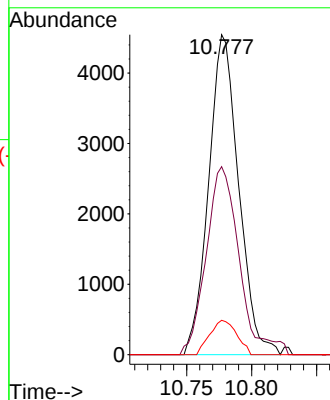
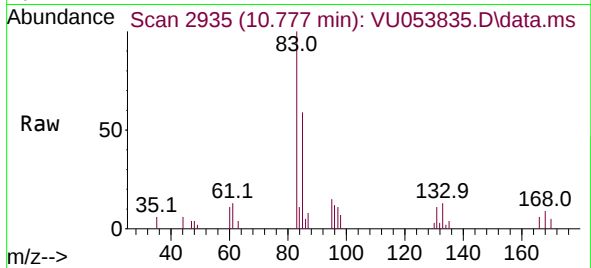




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.846 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053835.D
 Acq: 24 Apr 2023 11:27

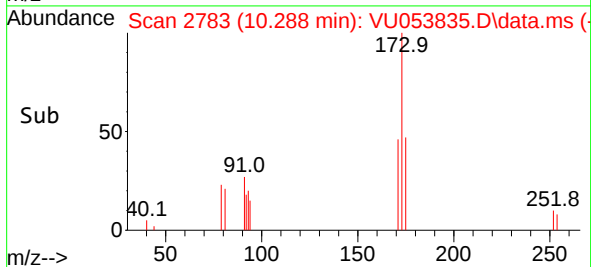
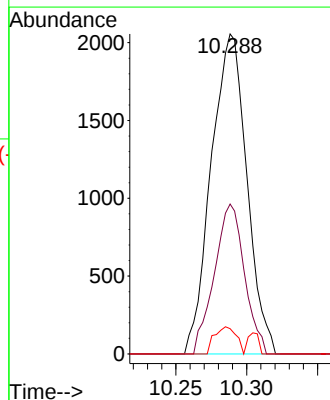
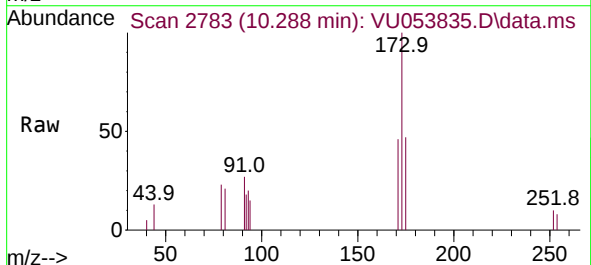
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001020

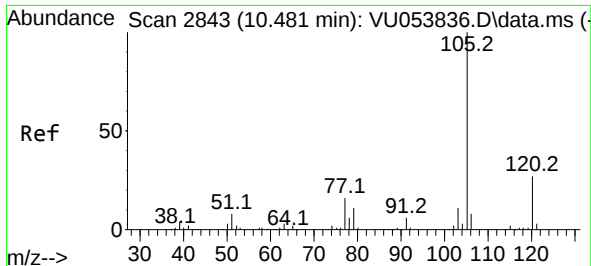
Tgt Ion: 83 Resp: 7309
 Ion Ratio Lower Upper
 83 100
 85 58.8 43.5 80.9
 131 10.8 7.8 11.6



#59
 Bromoform
 Concen: 1.024 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.003 min
 Lab File: VU053835.D
 Acq: 24 Apr 2023 11:27

Tgt Ion: 173 Resp: 3598
 Ion Ratio Lower Upper
 173 100
 175 39.6 37.4 56.2
 254 5.1 7.1 10.7#

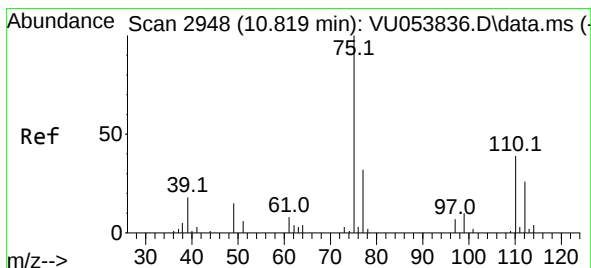
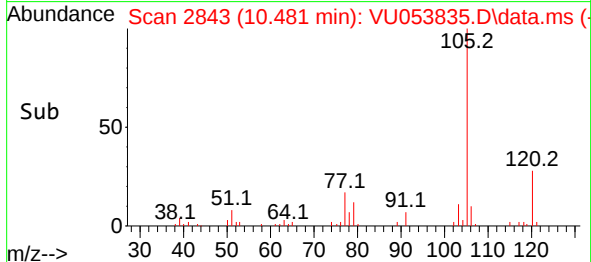
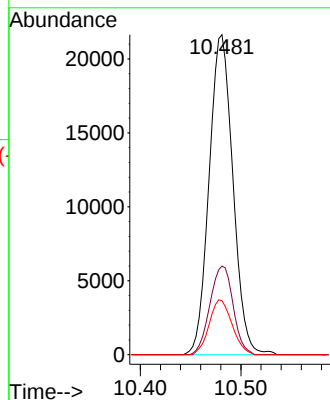
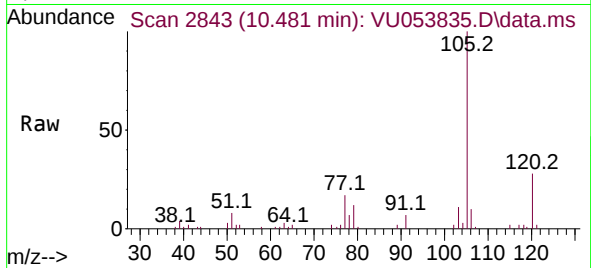




#60
Isopropylbenzene
Concen: 0.878 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

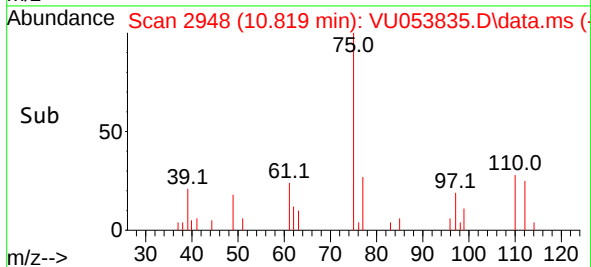
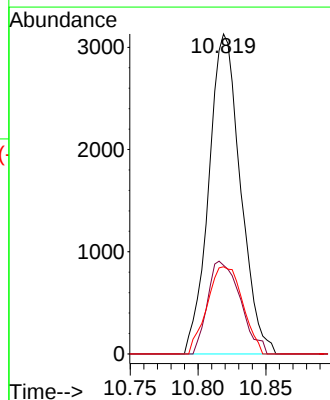
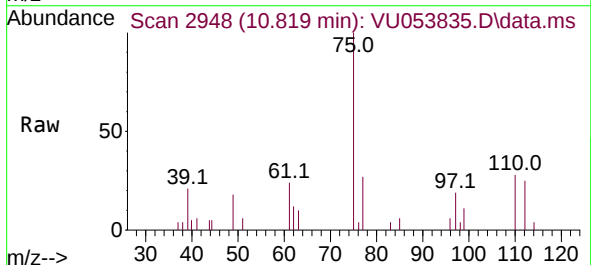
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

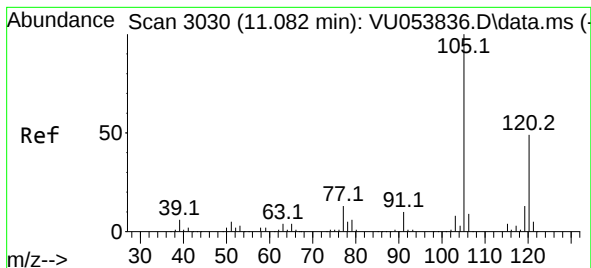
Tgt Ion:105 Resp: 35533
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.0
77 16.5 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.941 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion: 75 Resp: 5088
Ion Ratio Lower Upper
75 100
110 30.0 30.7 46.1#
77 30.5 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 0.844 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

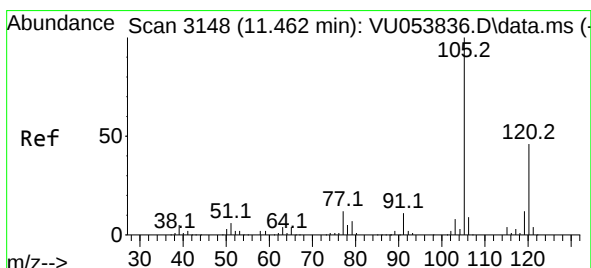
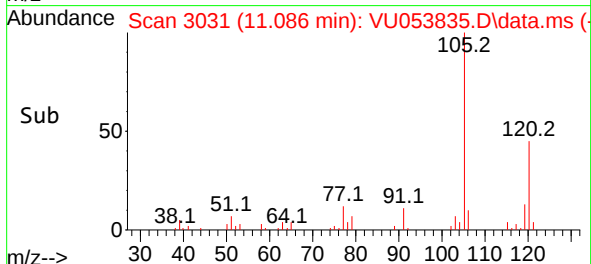
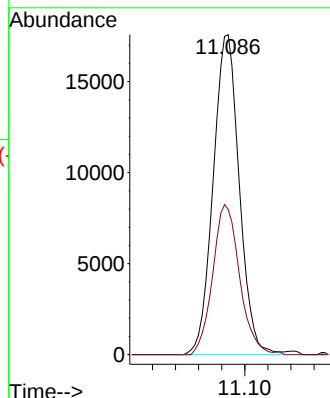
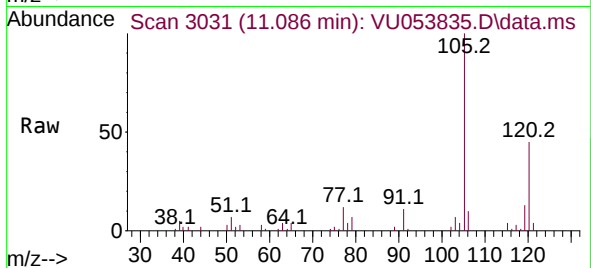
VSTD001020

Tgt Ion:105 Resp: 27561

Ion Ratio Lower Upper

105 100

120 48.5 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 0.801 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053835.D

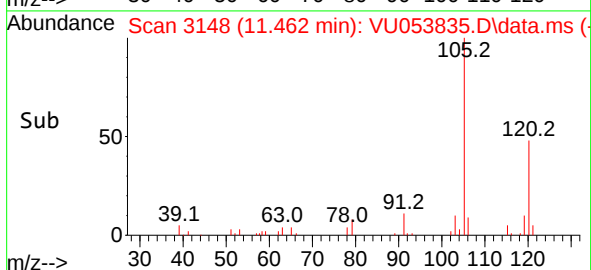
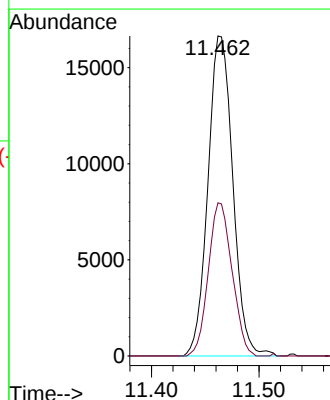
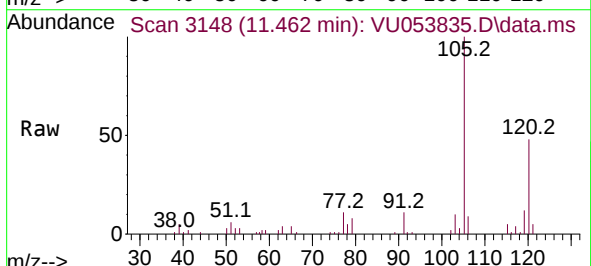
Acq: 24 Apr 2023 11:27

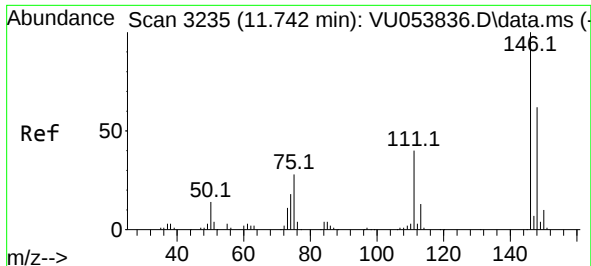
Tgt Ion:105 Resp: 26755

Ion Ratio Lower Upper

105 100

120 45.6 37.1 55.7

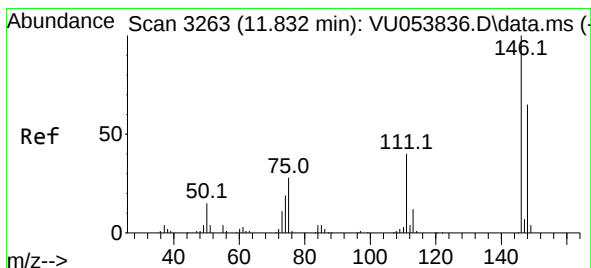
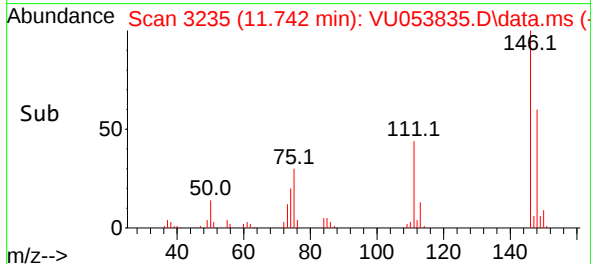
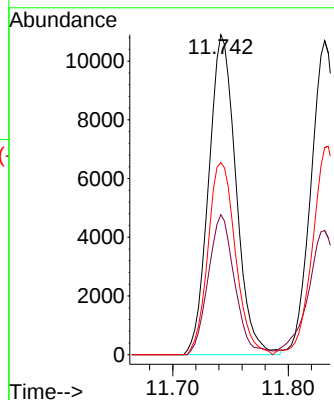
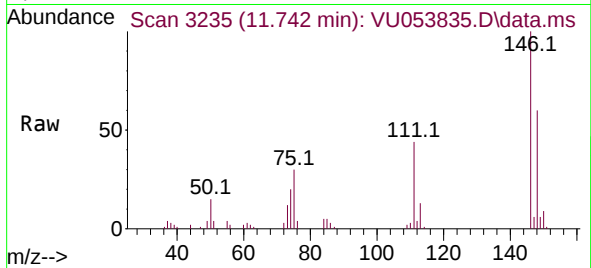




#64
1,3-Dichlorobenzene
Concen: 0.985 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

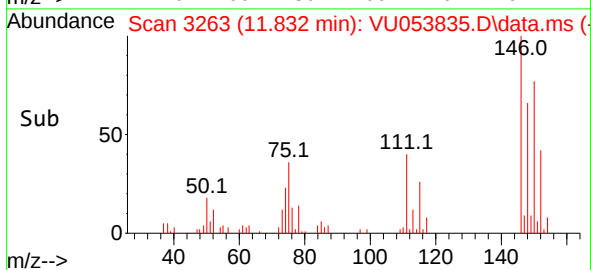
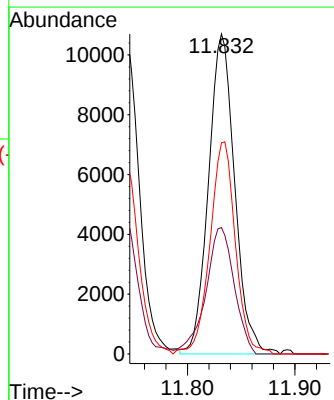
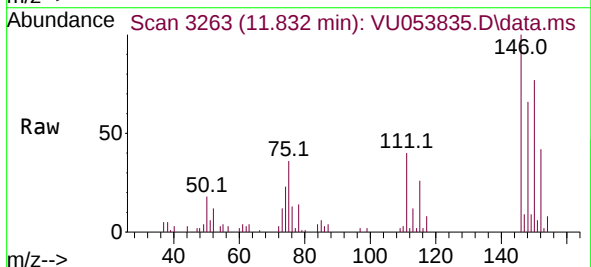
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

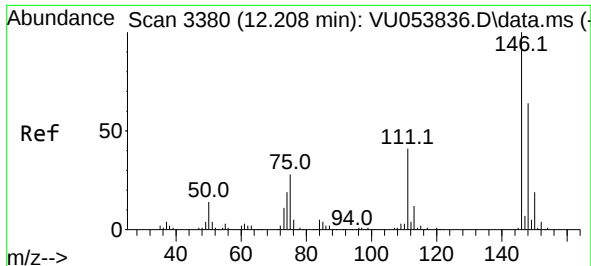
Tgt Ion:146 Resp: 17901
Ion Ratio Lower Upper
146 100
111 43.7 27.9 51.9
148 60.0 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 0.996 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:146 Resp: 18136
Ion Ratio Lower Upper
146 100
111 39.5 28.3 52.7
148 66.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 1.009 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD001020

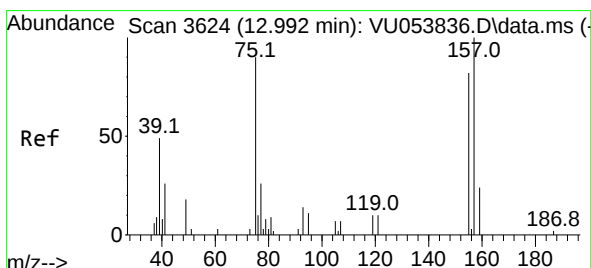
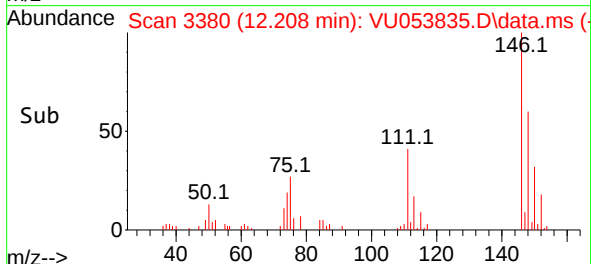
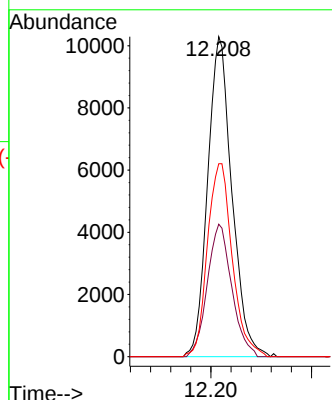
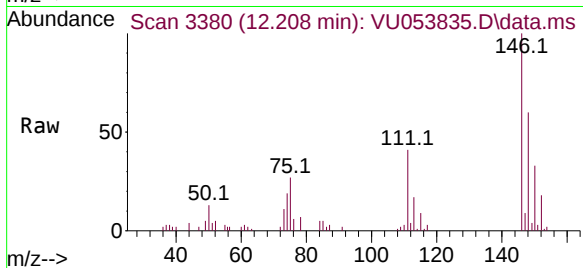
Tgt Ion:146 Resp: 17202

Ion Ratio Lower Upper

146 100

111 41.4 32.6 49.0

148 60.3 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.826 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU053835.D

Acq: 24 Apr 2023 11:27

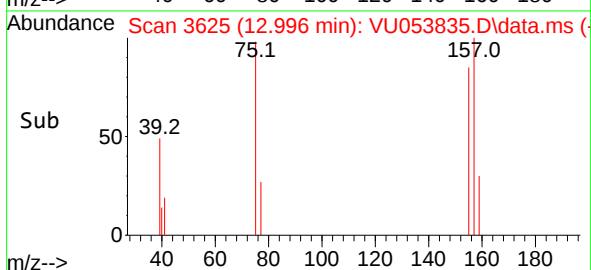
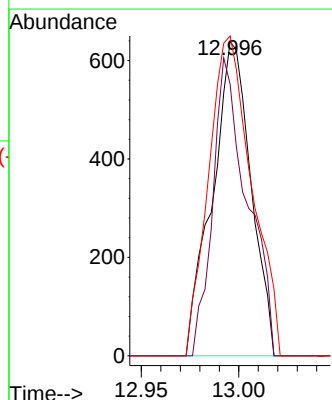
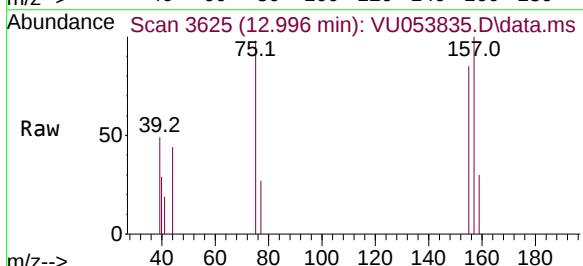
Tgt Ion: 75 Resp: 879

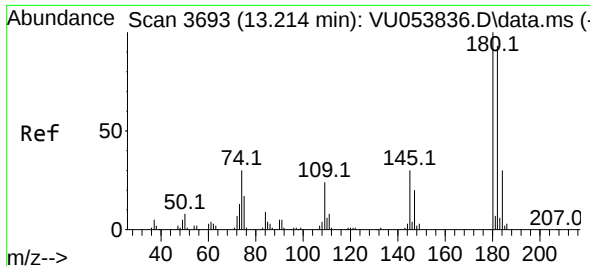
Ion Ratio Lower Upper

75 100

155 86.4 72.8 109.2

157 101.7 89.1 133.7

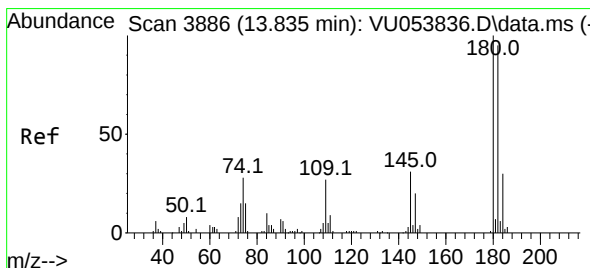
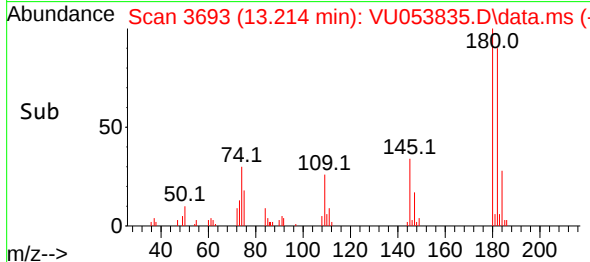
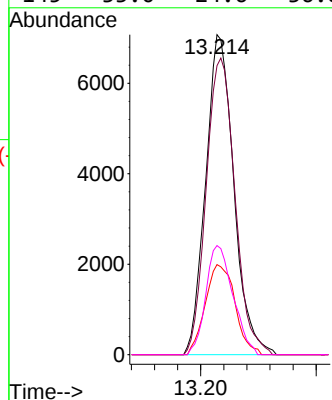
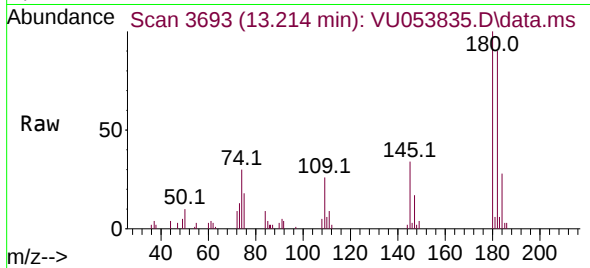




#69
1,3,5-Trichlorobenzene
Concen: 0.939 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

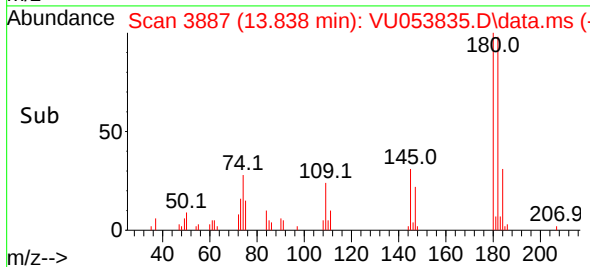
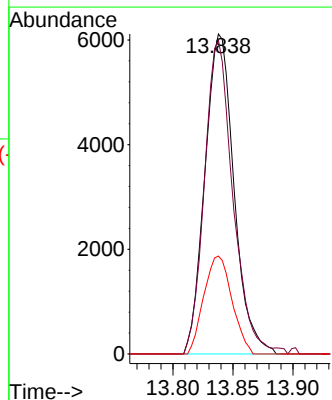
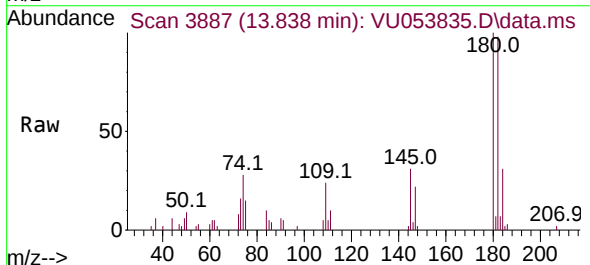
Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

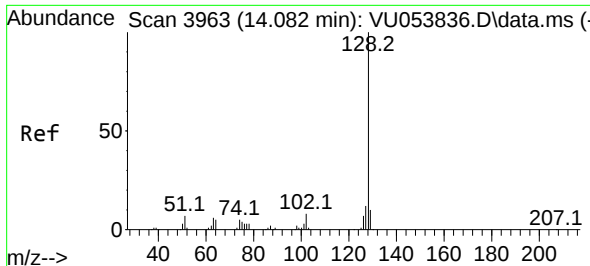
Tgt Ion:	180	Resp:	11959
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.1	112.7
184	29.7	24.2	36.2
145	33.0	24.6	36.8



#70
1,2,4-trichlorobenzene
Concen: 1.021 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:	180	Resp:	10311
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.5	113.3
145	29.5	25.8	38.6

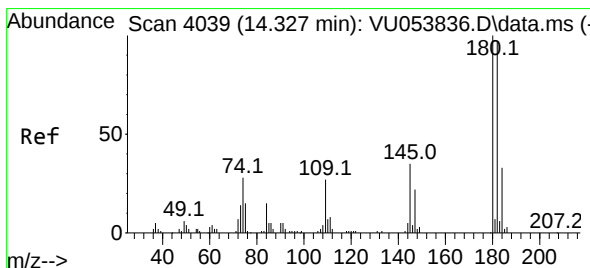
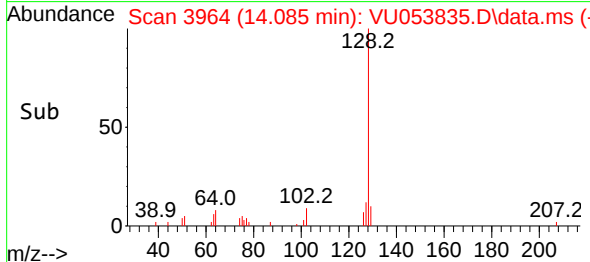
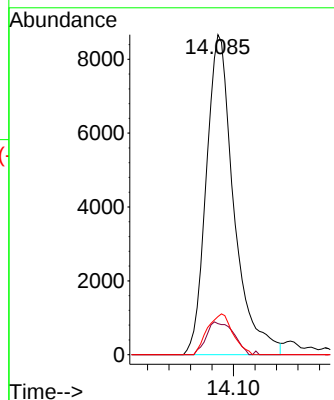
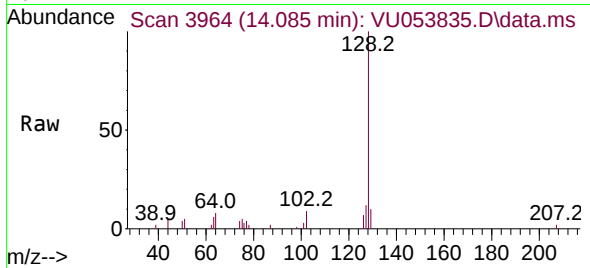




#71
Naphthalene
Concen: 0.829 ug/L
RT: 14.085 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD001020

Tgt Ion:128	Resp:	15418
Ion Ratio	Lower	Upper
128	100	
129	10.1	8.5 12.7
127	11.8	10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 0.985 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU053835.D
Acq: 24 Apr 2023 11:27

Tgt Ion:180	Resp:	8683
Ion Ratio	Lower	Upper
180	100	
182	92.5	77.4 116.2
145	28.7	26.8 40.2

