

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080422\
 Data File : VU050059.D
 Acq On : 04 Aug 2022 11:23
 Operator : SY/MD
 Sample : VSTD00552
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005052

Quant Time: Aug 05 04:29:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:27:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	105726	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	102553	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48027	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41443	4.710	ug/L	0.00
7) Chloroethane-d5	1.912	69	33701	4.748	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	16222	4.717	ug/L	0.00
20) 2-Butanone-d5	4.642	46	108801	50.708	ug/L	0.00
24) Chloroform-d	5.063	84	78894	4.821	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	38369	4.566	ug/L	0.00
32) Benzene-d6	5.726	84	155517	4.859	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	50951	4.835	ug/L	0.00
41) Toluene-d8	7.896	98	140331	4.965	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	18307	4.848	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	65970	49.260	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44304	4.787	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	43229	4.594	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	45011	4.644	ug/L	100
3) Chloromethane	1.520	50	58377	4.604	ug/L	100
5) Vinyl chloride	1.601	62	54236	4.775	ug/L	100
6) Bromomethane	1.858	94	33544	4.626	ug/L	100
8) Chloroethane	1.932	64	31643	4.728	ug/L	100
9) Trichlorofluoromethane	2.134	101	58095	4.670	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	31457	4.546	ug/L	100
12) 1,1-Dichloroethene	2.575	96	32552	4.454	ug/L	100
13) Acetone	2.649	43	55625	46.551	ug/L	100
14) Carbon disulfide	2.787	76	122233	4.683	ug/L	100
15) Methyl Acetate	2.961	43	14961	4.586	ug/L	100
16) Methylene chloride	3.041	84	45479	4.073	ug/L	100
17) Methyl tert-butyl Ether	3.369	73	91183	4.781	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	39524	4.830	ug/L	100
19) 1,1-Dichloroethane	3.867	63	73868	4.767	ug/L	100
21) 2-Butanone	4.719	43	105291	49.002	ug/L	100
22) cis-1,2-Dichloroethene	4.668	96	42873	4.721	ug/L	100
23) Bromochloromethane	4.977	128	21076	4.855	ug/L	100
25) Chloroform	5.089	83	76875	4.654	ug/L	100
27) 1,2-Dichloroethane	5.797	62	48145	4.789	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	61153	4.861	ug/L	100
30) Cyclohexane	5.385	56	51730	4.719	ug/L	100
31) Carbon tetrachloride	5.523	117	49735	4.823	ug/L	100
33) Benzene	5.774	78	175380	4.881	ug/L	100
34) Trichloroethene	6.542	95	40814	4.697	ug/L	100
35) Methylcyclohexane	6.764	83	52926	4.718	ug/L	100
37) 1,2-Dichloropropane	6.790	63	46739	4.883	ug/L	100
38) Bromodichloromethane	7.105	83	55996	4.817	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	60795	4.867	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	273121	49.269	ug/L	100
42) Toluene	7.970	91	179647	4.985	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	50983	4.759	ug/L	100

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

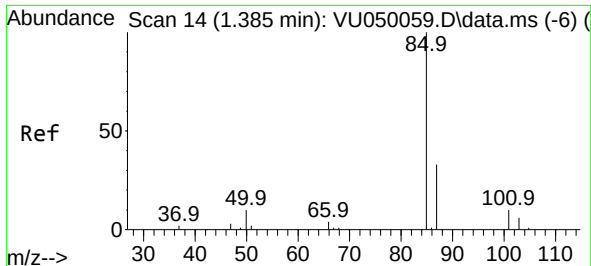
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005052

Quant Time: Aug 05 04:29:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 05 04:27:43 2022
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.401	97	34694	4.849	ug/L	100
47) Tetrachloroethene	8.552	164	30660	4.924	ug/L	100
48) 2-Hexanone	8.687	43	215644	50.295	ug/L	100
49) Dibromochloromethane	8.809	129	38237	4.829	ug/L	100
50) 1,2-Dibromoethane	8.925	107	32136	4.954	ug/L	100
51) Chlorobenzene	9.446	112	108883	4.802	ug/L	100
52) Ethylbenzene	9.571	91	168667	4.797	ug/L	100
53) m,p-Xylene	9.693	106	65825	5.083	ug/L	100
54) o-Xylene	10.102	106	65114	5.037	ug/L	100
55) Styrene	10.115	104	109820	5.085	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	44983	4.785	ug/L	100
59) Bromoform	10.291	173	22071	4.582	ug/L	100
60) Isopropylbenzene	10.484	105	156010	4.864	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	30900	4.723	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	41626	4.593	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	116396	4.714	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	74191	4.589	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	72657	4.619	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	74564	4.763	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	6335	4.938	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	51397	4.463	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	39190	4.491	ug/L	100
71) Naphthalene	14.086	128	73851	4.128	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	39532	4.469	ug/L	100

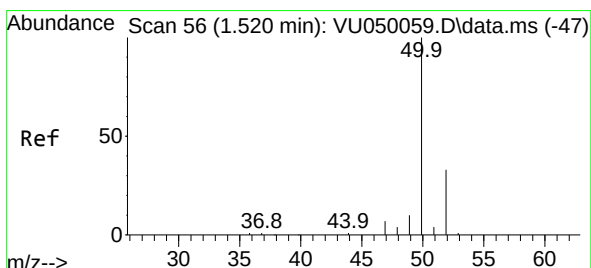
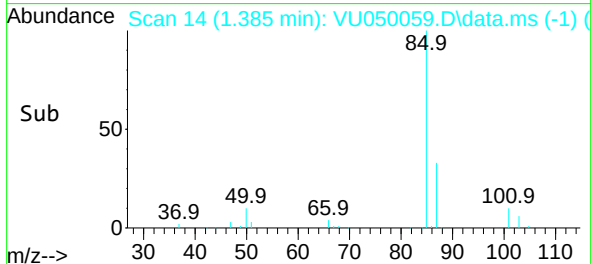
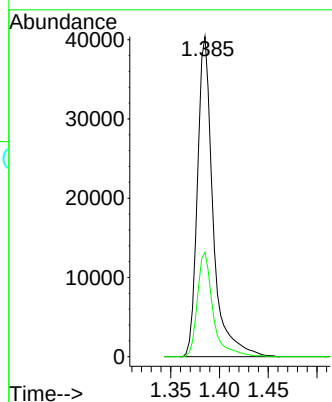
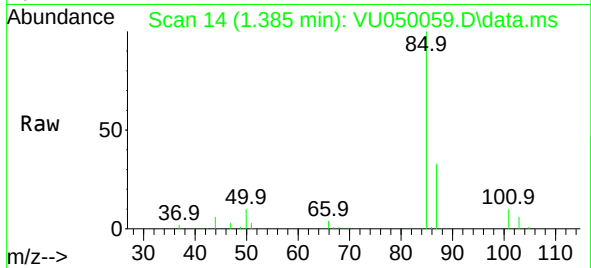
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.644 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

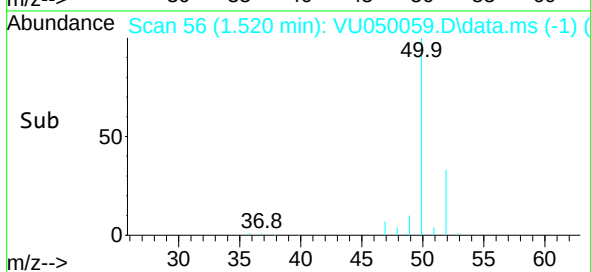
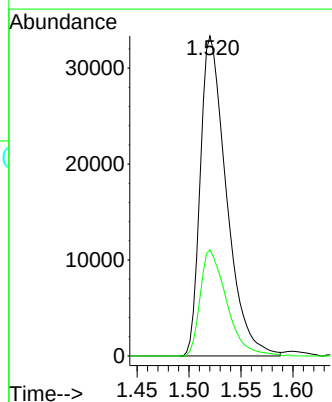
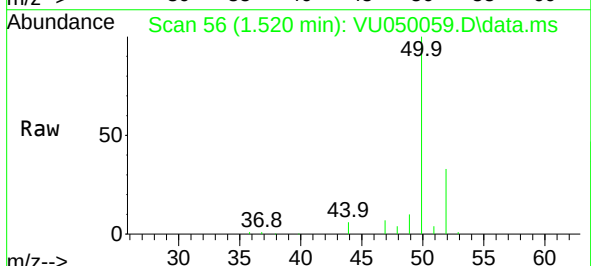
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005052

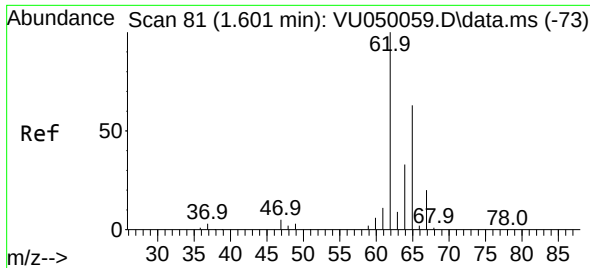
Tgt Ion: 85 Resp: 45011
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4



#3
 Chloromethane
 Concen: 4.604 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

Tgt Ion: 50 Resp: 58377
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.2

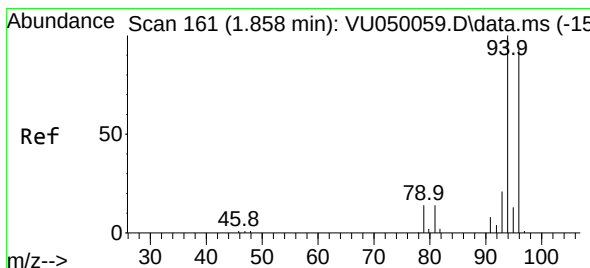
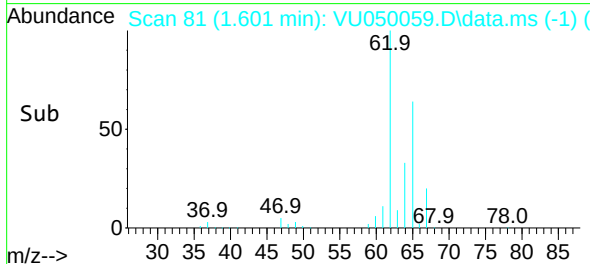
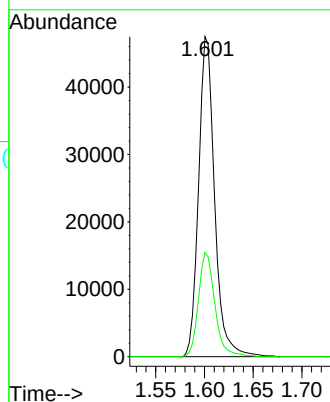
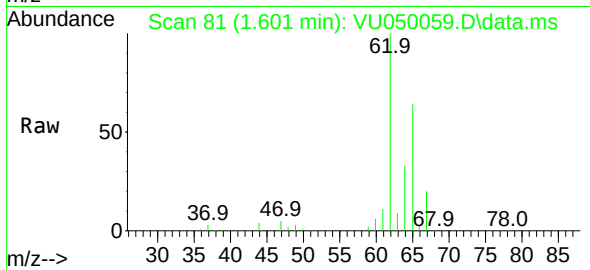




#5
 Vinyl chloride
 Concen: 4.775 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

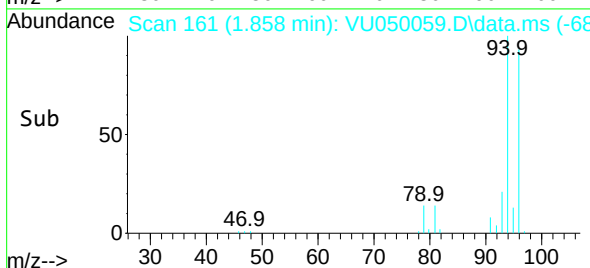
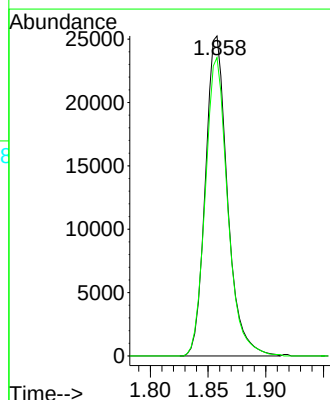
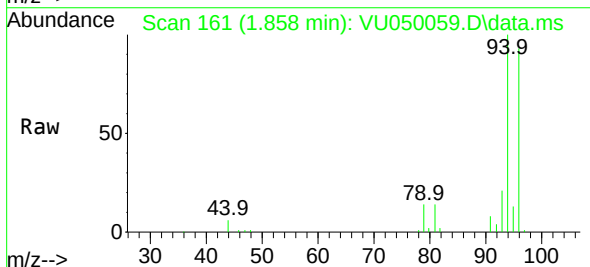
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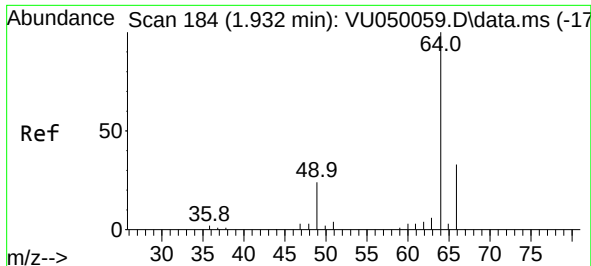
Tgt Ion: 62 Resp: 54236
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.8 42.4



#6
 Bromomethane
 Concen: 4.626 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

Tgt Ion: 94 Resp: 33544
 Ion Ratio Lower Upper
 94 100
 96 93.3 65.3 121.3

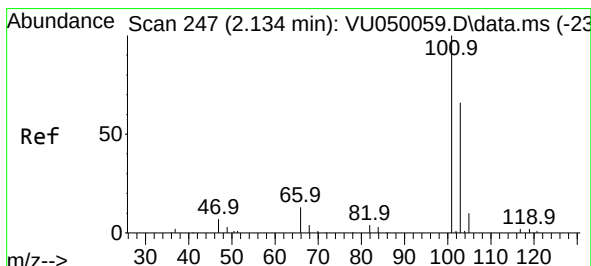
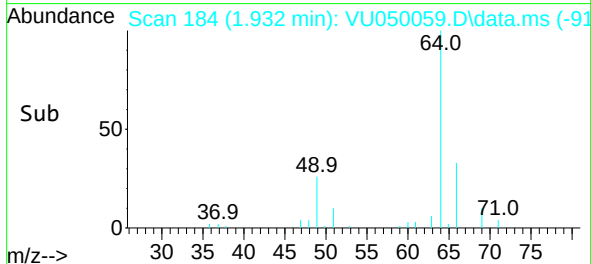
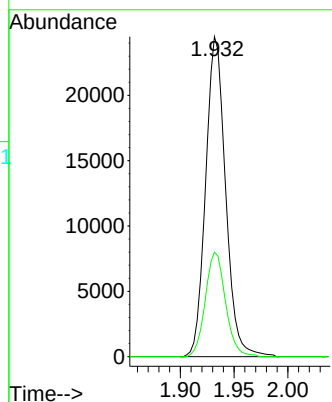
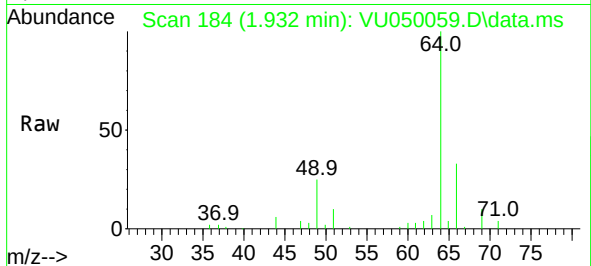




#8
Chloroethane
Concen: 4.728 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

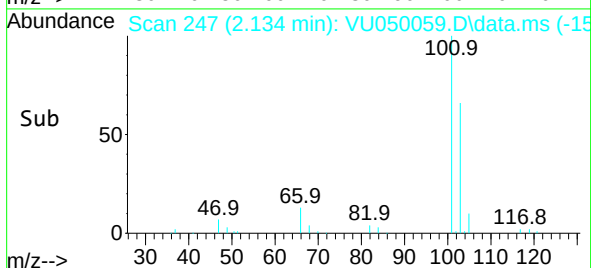
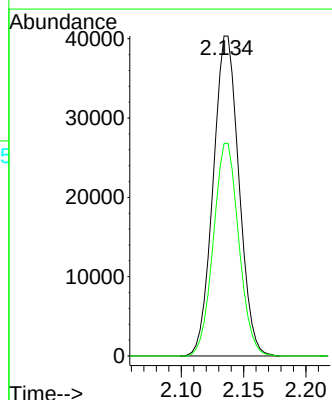
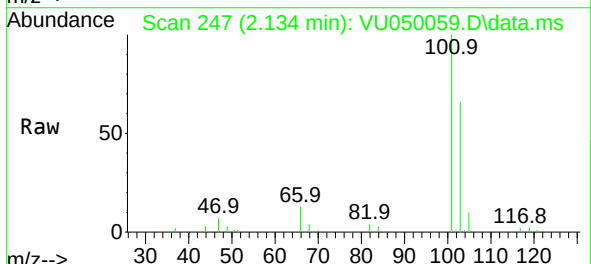
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ClientSampleId :
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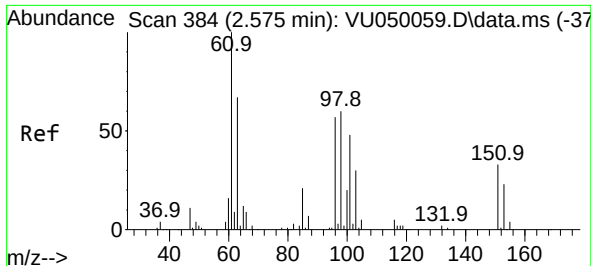
Tgt Ion: 64 Resp: 31643
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.670 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 101 Resp: 58095
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8

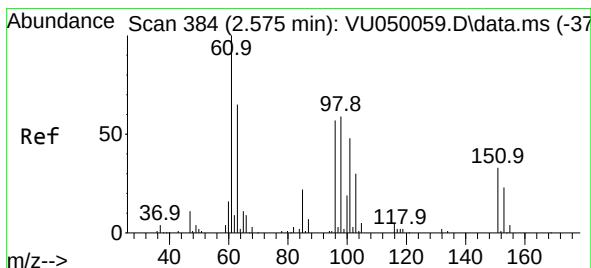
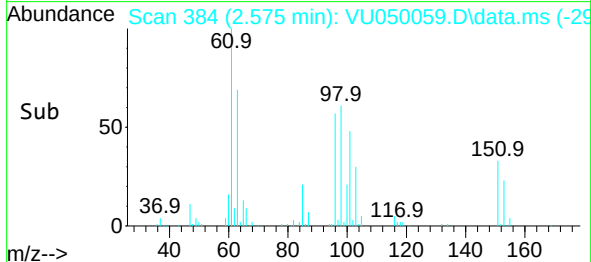
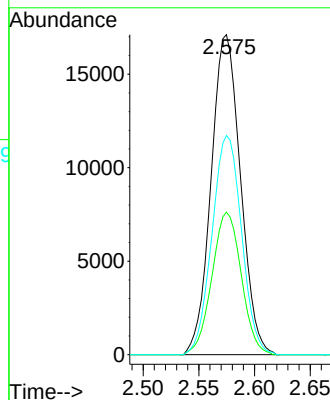
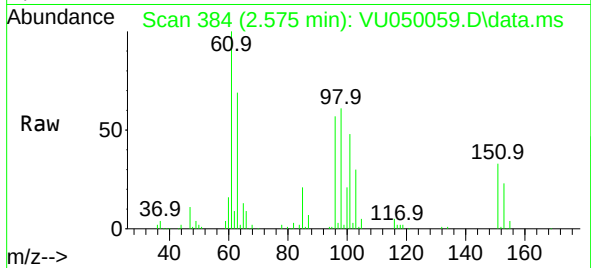




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.546 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

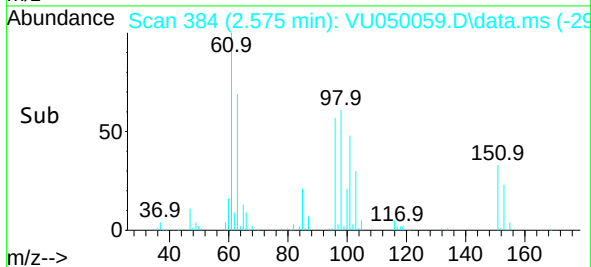
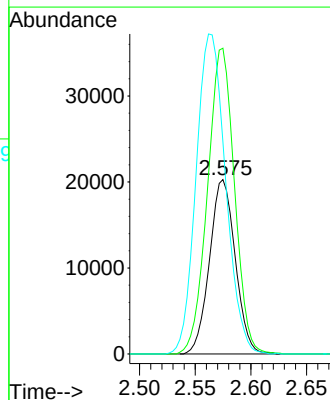
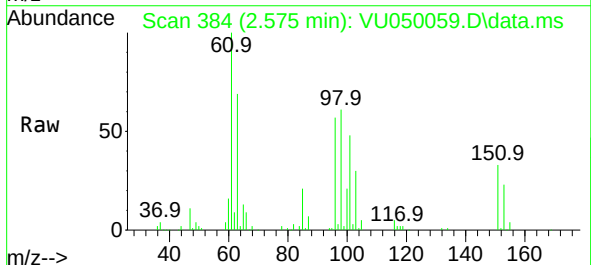
Instrument :
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 ClientSampleId :
 VSTD005052

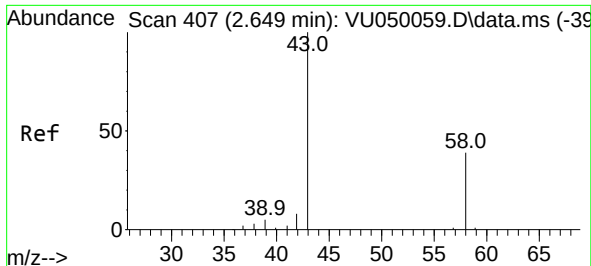
Tgt Ion: 101 Resp: 31457
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.6 53.4
 151 69.0 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 4.454 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

Tgt Ion: 96 Resp: 32552
 Ion Ratio Lower Upper
 96 100
 61 175.3 122.7 227.9
 63 121.6 85.1 158.1





#13

Acetone

Concen: 46.551 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

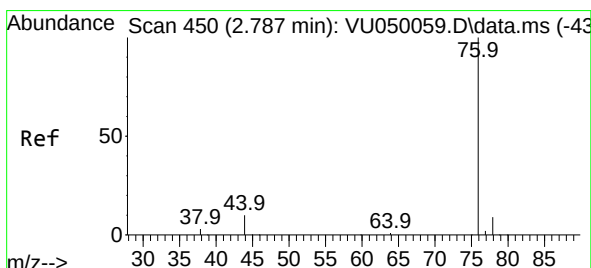
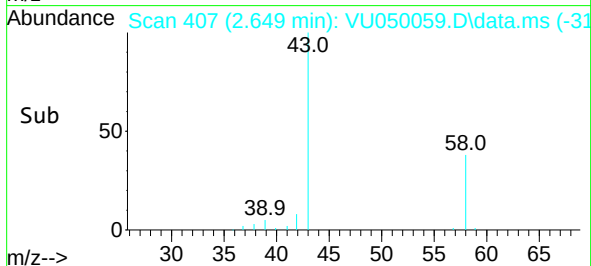
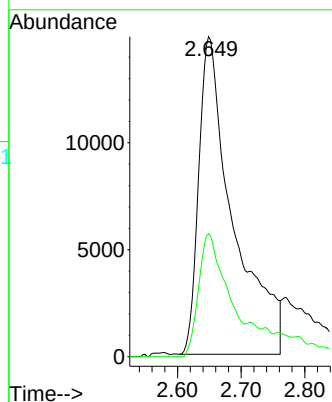
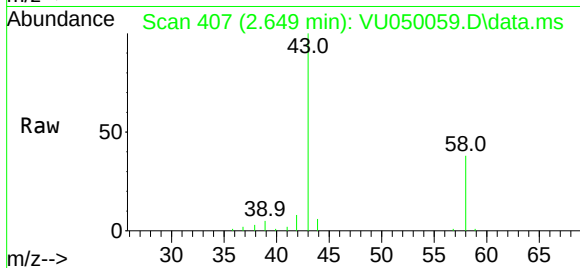
VSTD005052

Tgt Ion: 43 Resp: 55625

Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.0



#14

Carbon disulfide

Concen: 4.683 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU050059.D

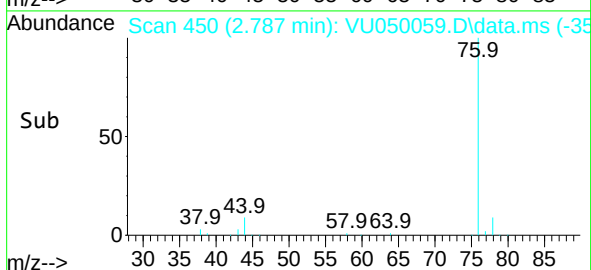
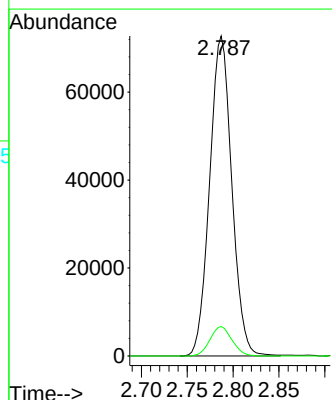
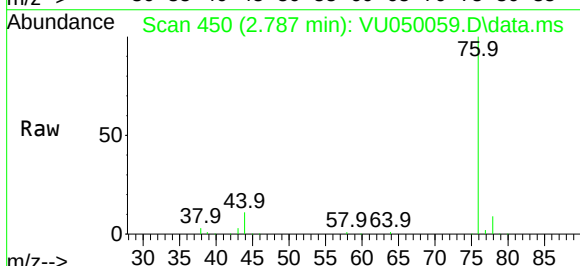
Acq: 04 Aug 2022 11:23

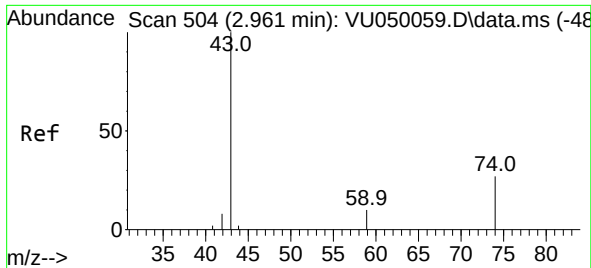
Tgt Ion: 76 Resp: 122233

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

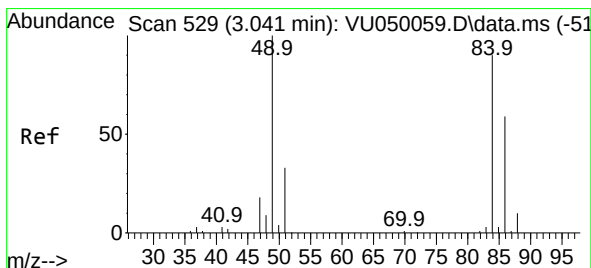
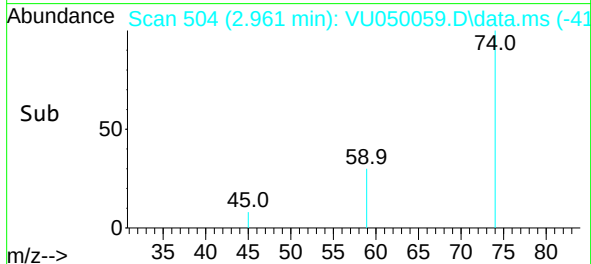
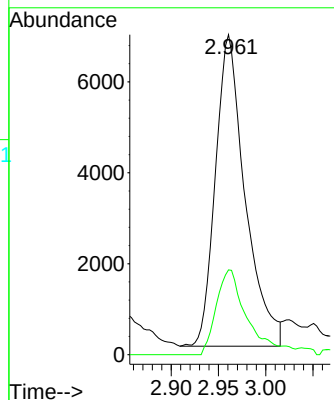
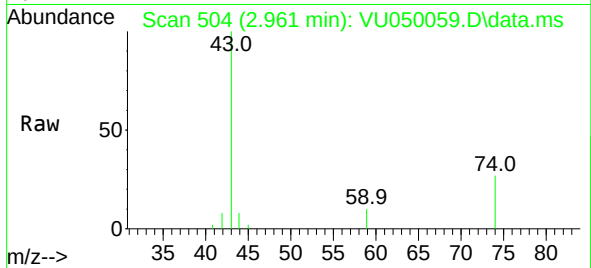




#15
Methyl Acetate
Concen: 4.586 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

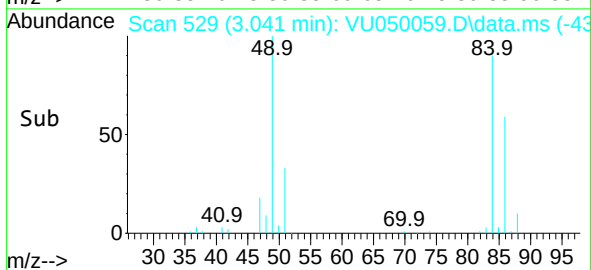
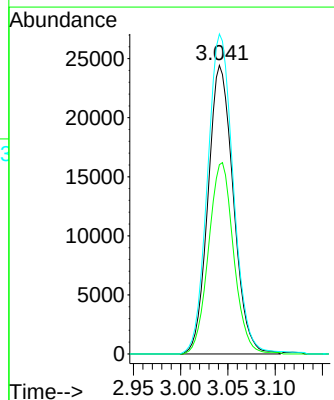
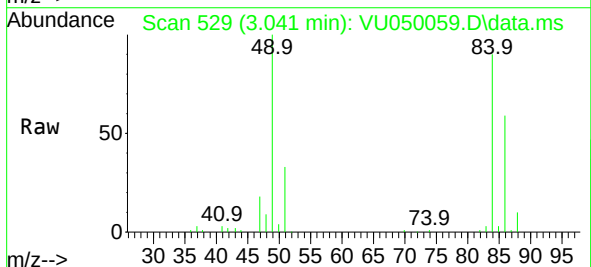
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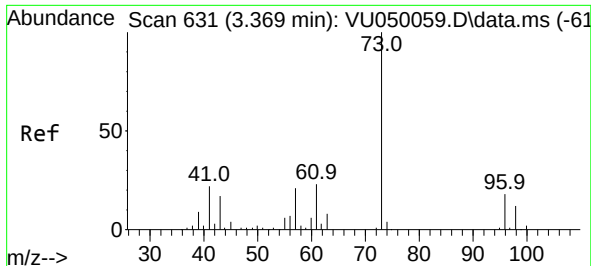
Tgt Ion: 43 Resp: 14961
Ion Ratio Lower Upper
43 100
74 28.4 22.7 34.1



#16
Methylene chloride
Concen: 4.073 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 84 Resp: 45479
Ion Ratio Lower Upper
84 100
86 65.6 45.9 85.3
49 110.8 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 4.781 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005052

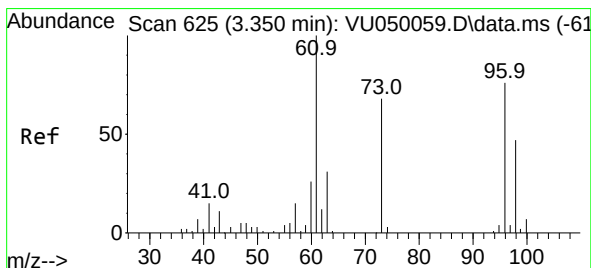
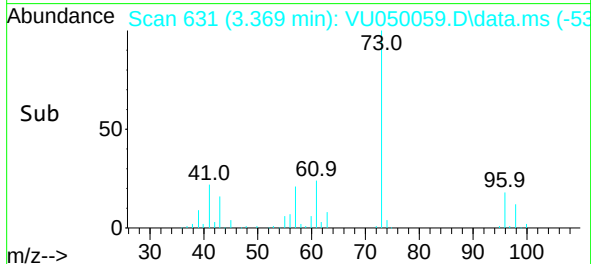
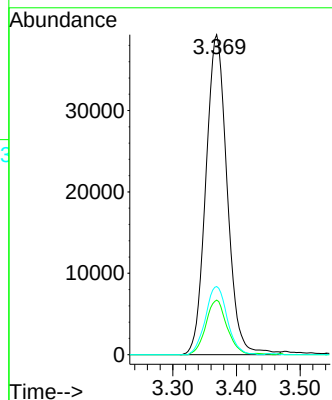
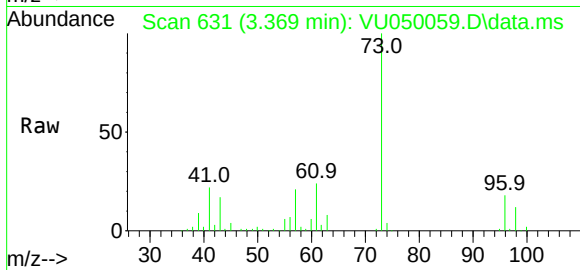
Tgt Ion: 73 Resp: 91183

Ion Ratio Lower Upper

73 100

43 16.9 13.5 20.3

57 21.8 17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 4.830 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

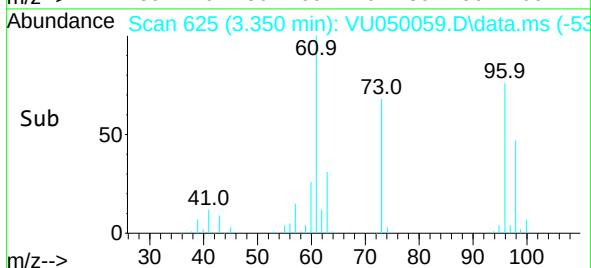
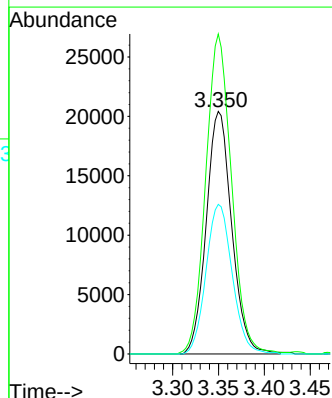
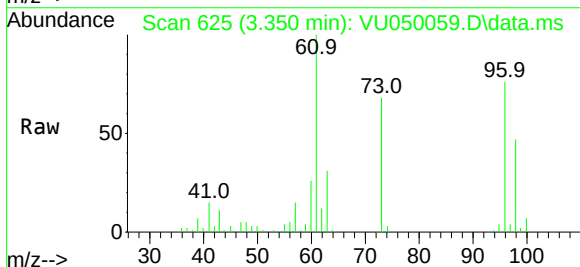
Tgt Ion: 96 Resp: 39524

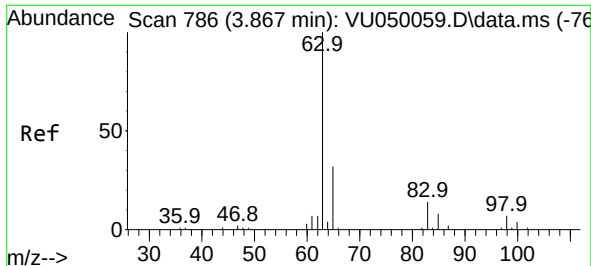
Ion Ratio Lower Upper

96 100

61 131.9 92.3 171.5

98 61.7 43.2 80.2

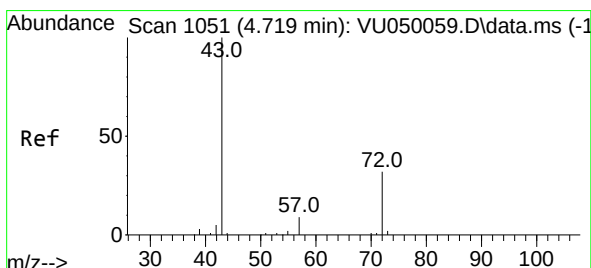
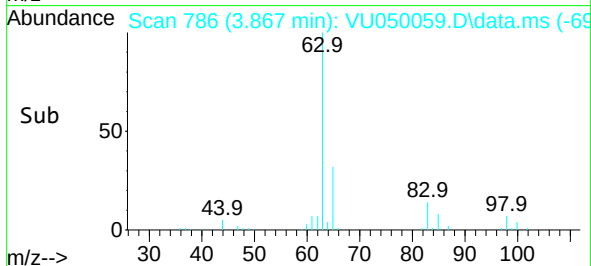
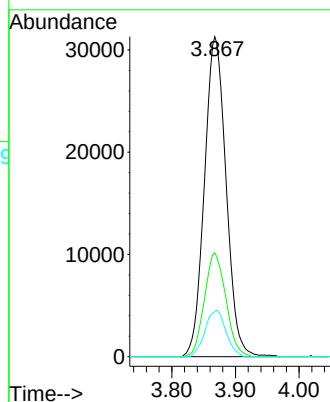
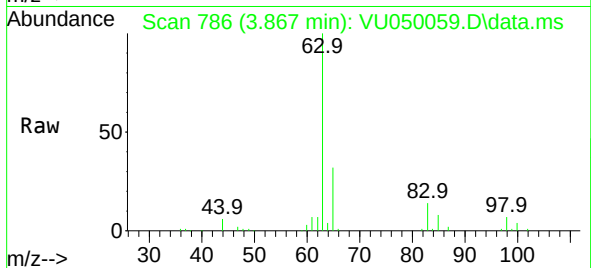




#19
1,1-Dichloroethane
Concen: 4.767 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

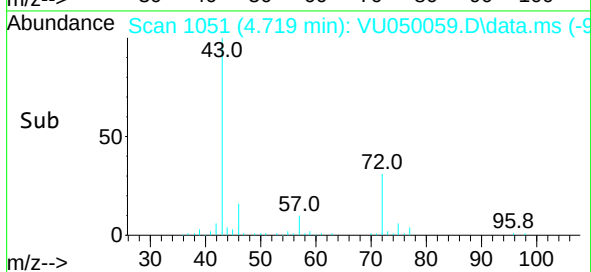
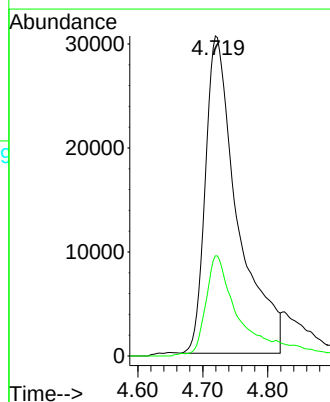
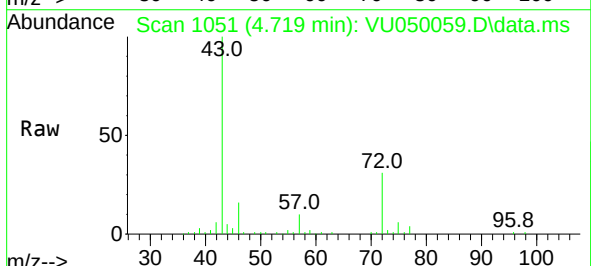
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

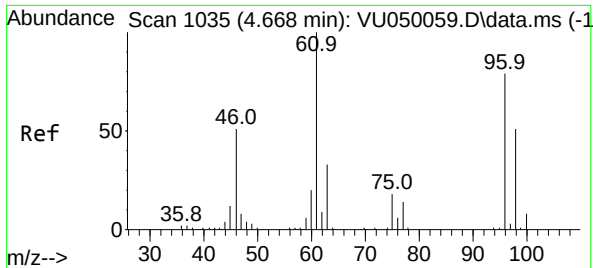
Tgt Ion: 63 Resp: 73868
Ion Ratio Lower Upper
63 100
65 32.5 22.7 42.3
83 14.0 9.8 18.2



#21
2-Butanone
Concen: 49.002 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 43 Resp: 105291
Ion Ratio Lower Upper
43 100
72 28.0 14.0 42.0





#22

cis-1,2-Dichloroethene

Concen: 4.721 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005052

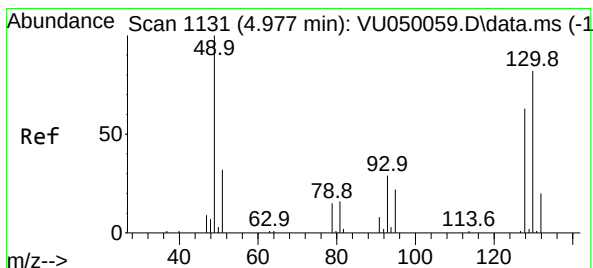
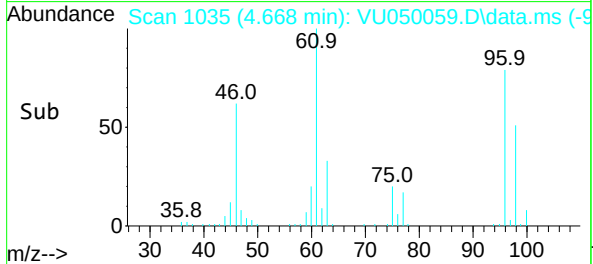
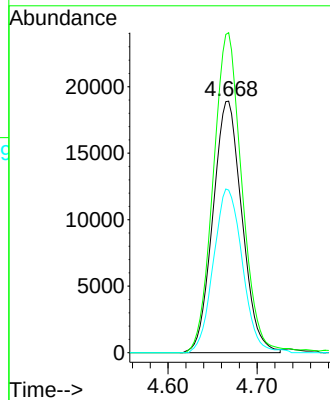
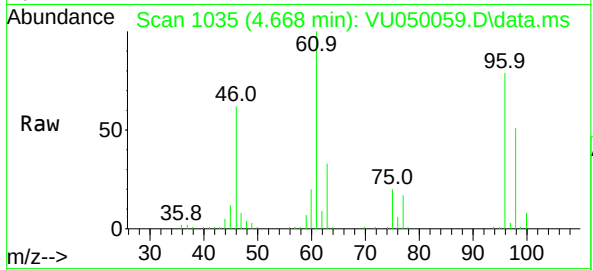
Tgt Ion: 96 Resp: 42873

Ion Ratio Lower Upper

96 100

61 127.2 89.0 165.4

98 64.6 45.2 84.0



#23

Bromochloromethane

Concen: 4.855 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Tgt Ion: 128 Resp: 21076

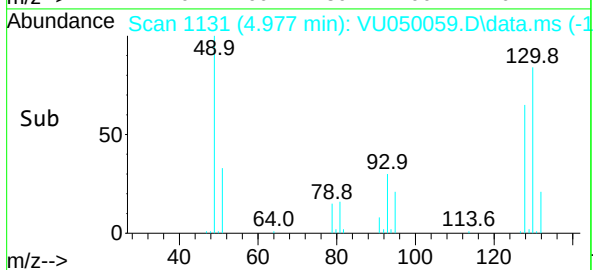
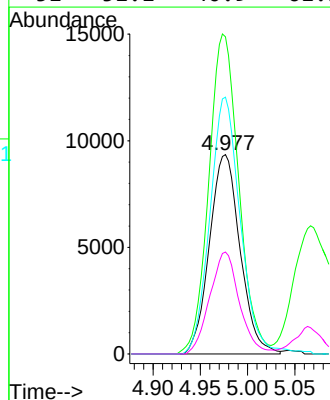
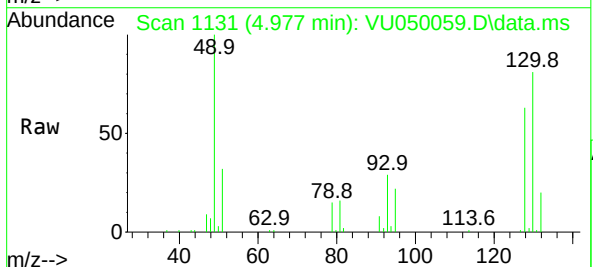
Ion Ratio Lower Upper

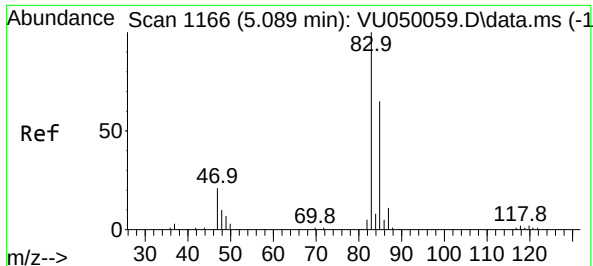
128 100

49 159.1 111.4 206.8

130 128.8 90.2 167.4

51 51.1 40.9 61.3





#25

Chloroform

Concen: 4.654 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

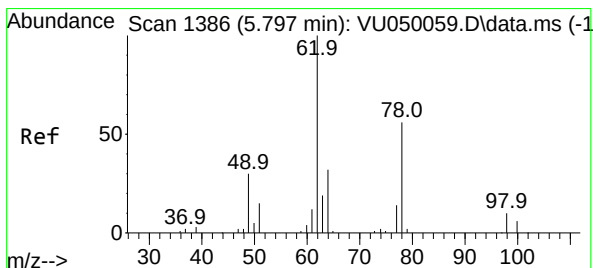
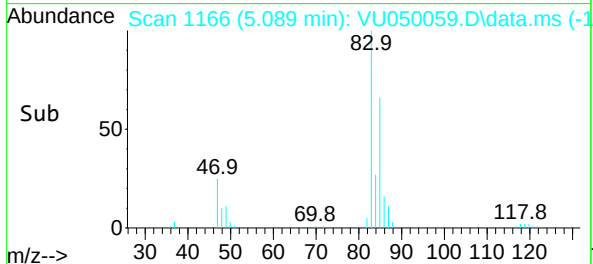
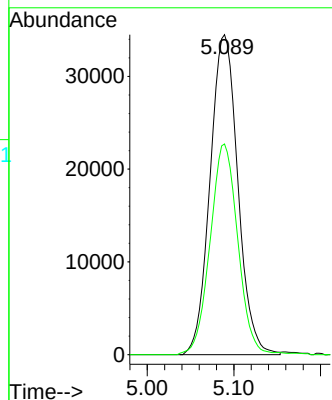
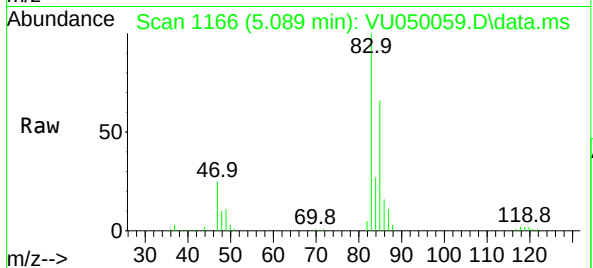
VSTD005052

Tgt Ion: 83 Resp: 76875

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.789 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050059.D

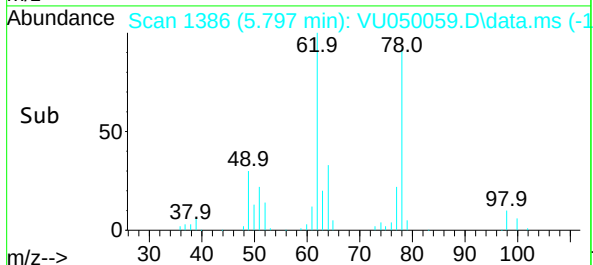
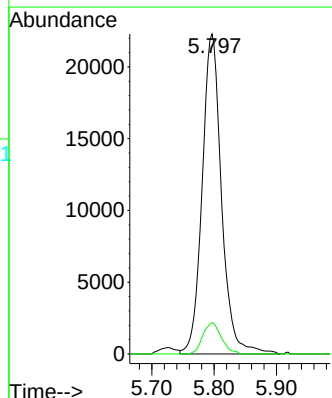
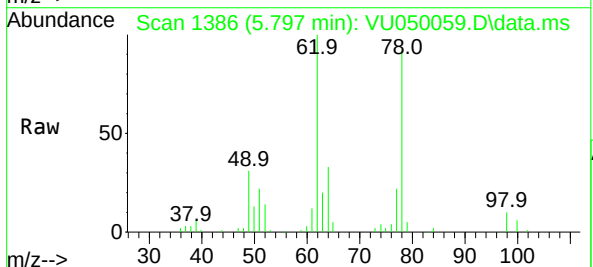
Acq: 04 Aug 2022 11:23

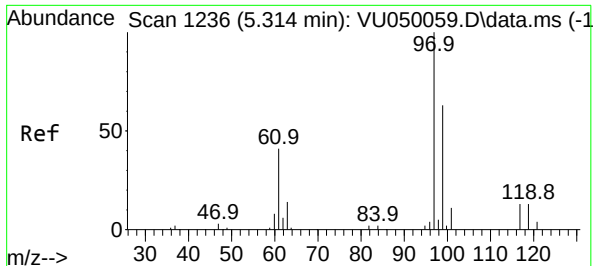
Tgt Ion: 62 Resp: 48145

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.861 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005052

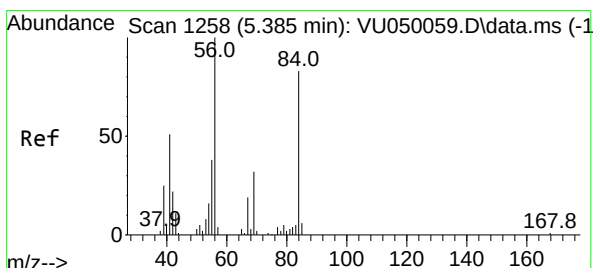
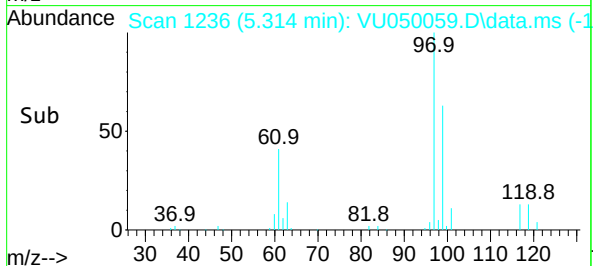
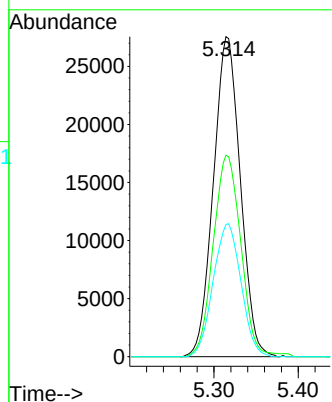
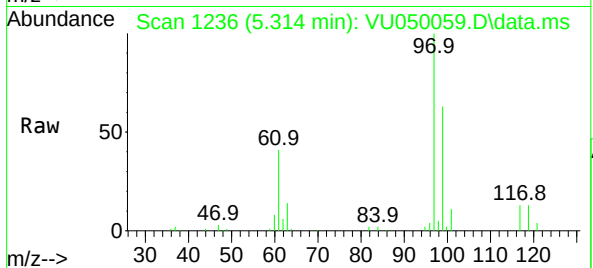
Tgt Ion: 97 Resp: 61153

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 42.8 34.2 51.4



#30

Cyclohexane

Concen: 4.719 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

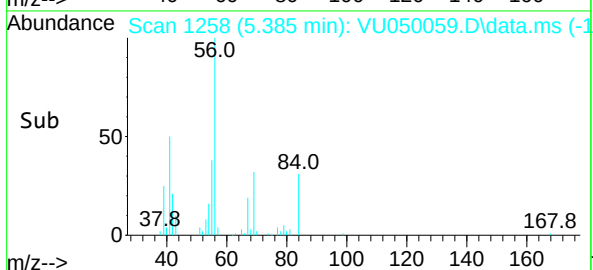
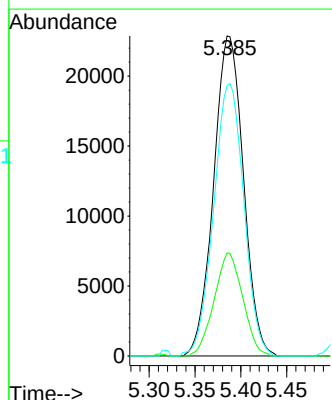
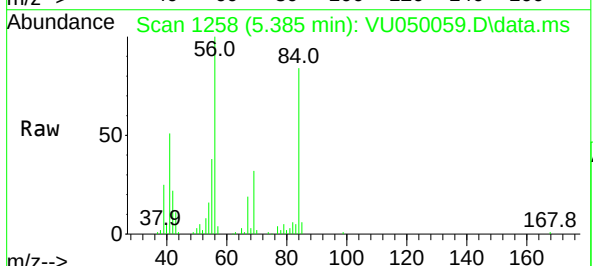
Tgt Ion: 56 Resp: 51730

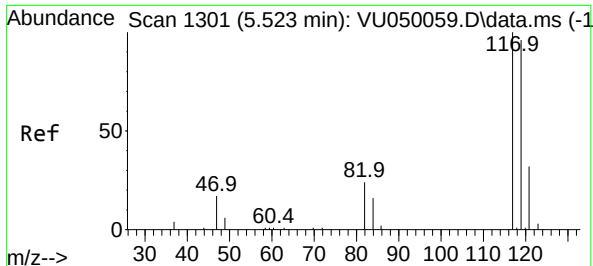
Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 86.4 69.1 103.7

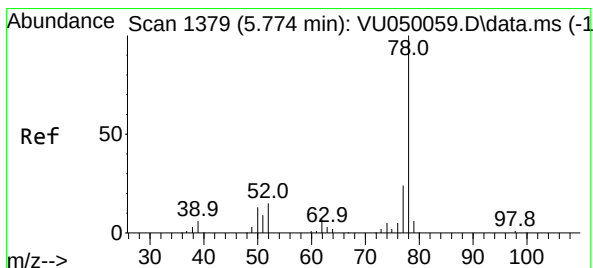
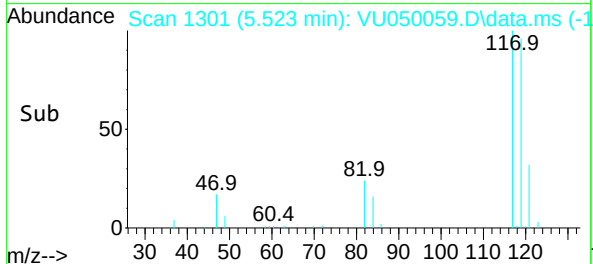
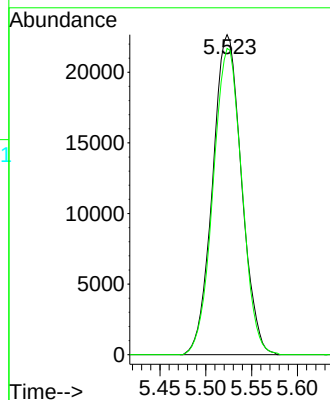
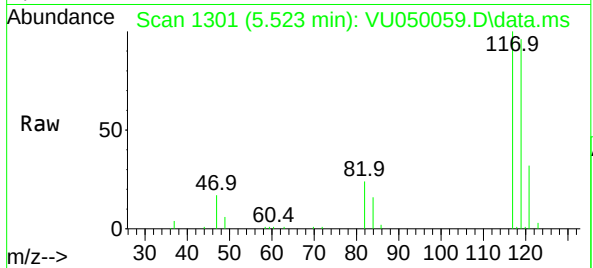




#31
Carbon tetrachloride
Concen: 4.823 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

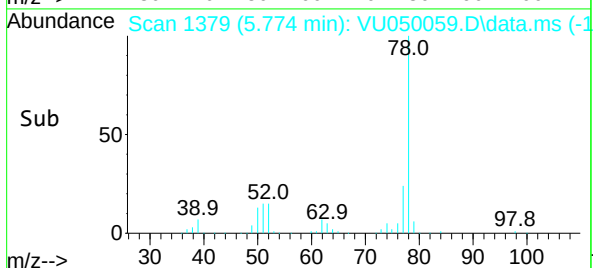
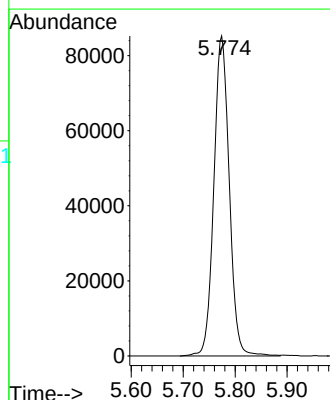
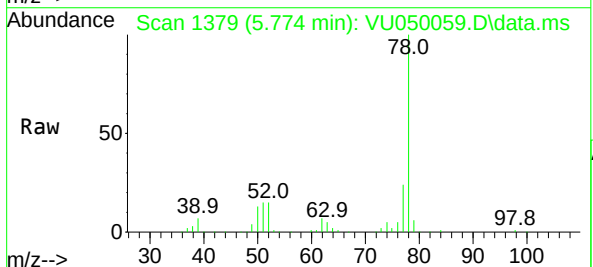
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

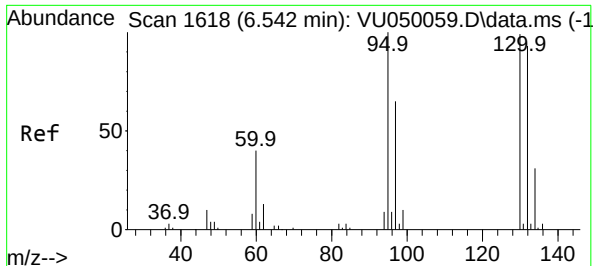
Tgt Ion:117 Resp: 49735
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 4.881 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 78 Resp: 175380

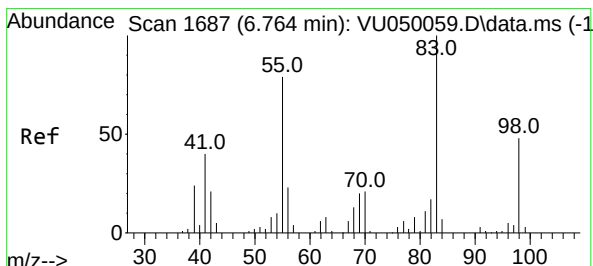
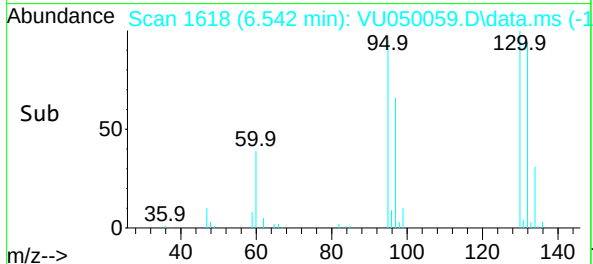
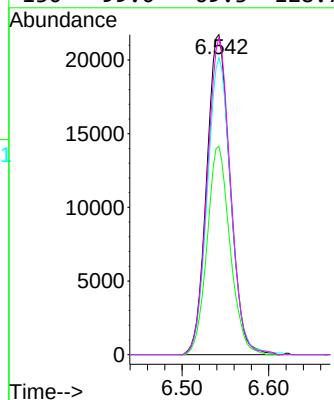
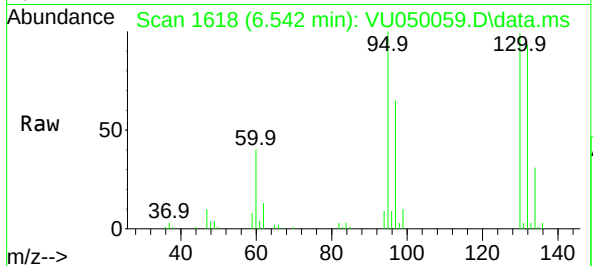




#34
Trichloroethene
Concen: 4.697 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

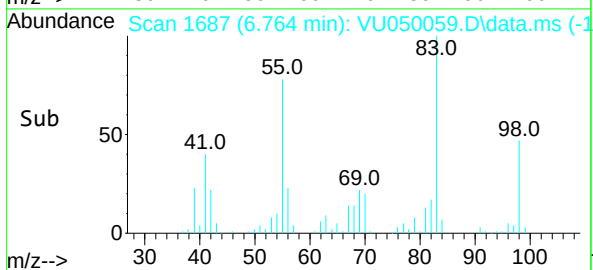
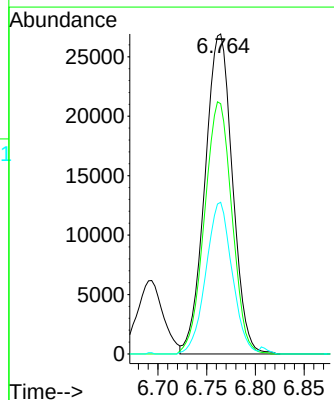
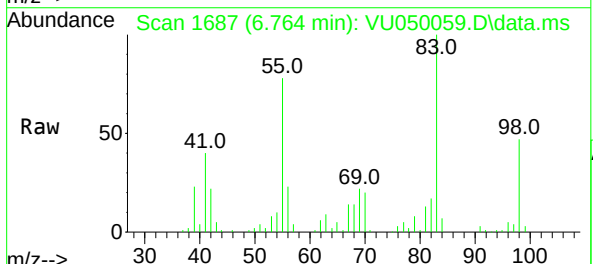
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

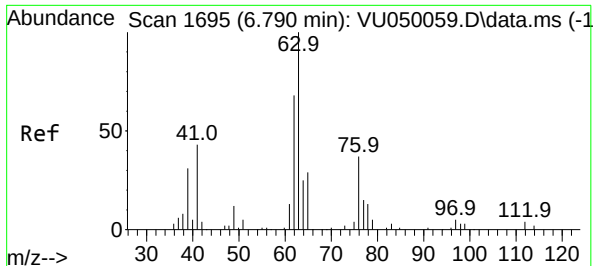
Tgt Ion: 95 Resp: 40814
Ion Ratio Lower Upper
95 100
97 65.2 45.6 84.8
132 92.8 65.0 120.6
130 99.0 69.3 128.7



#35
Methylcyclohexane
Concen: 4.718 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 83 Resp: 52926
Ion Ratio Lower Upper
83 100
55 78.4 62.7 94.1
98 45.2 36.2 54.2





#37

1,2-Dichloropropane

Concen: 4.883 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

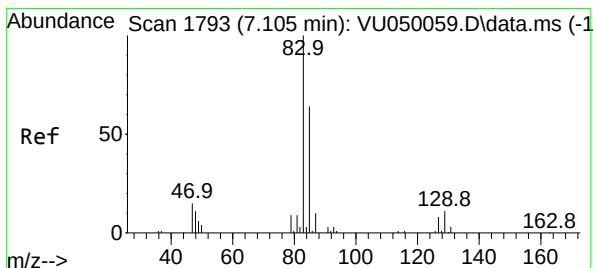
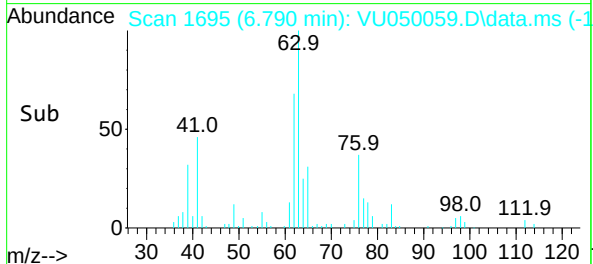
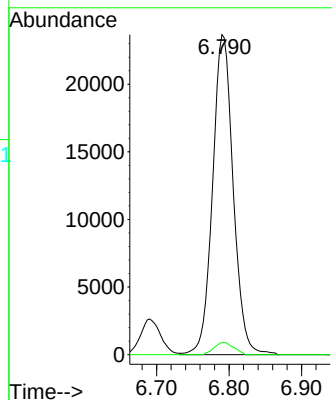
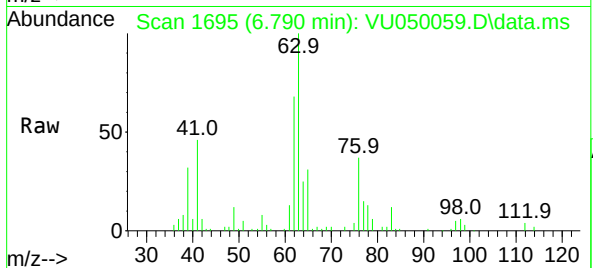
VSTD005052

Tgt Ion: 63 Resp: 46739

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 4.817 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

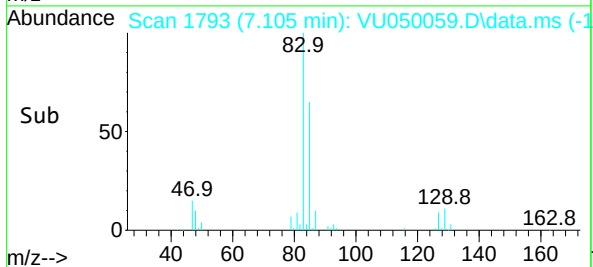
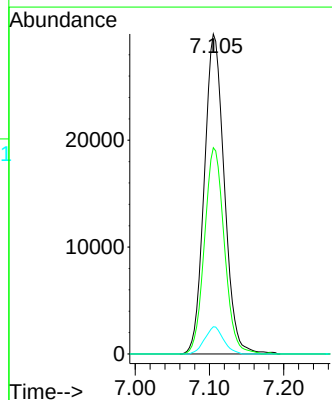
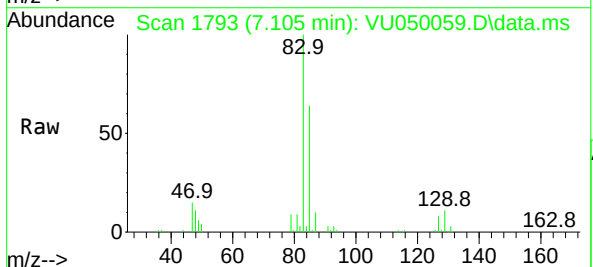
Tgt Ion: 83 Resp: 55996

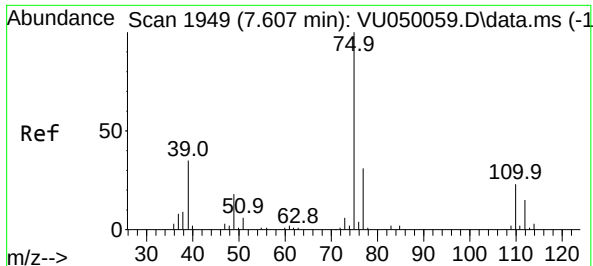
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.867 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

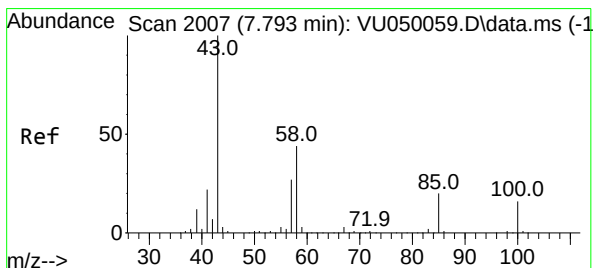
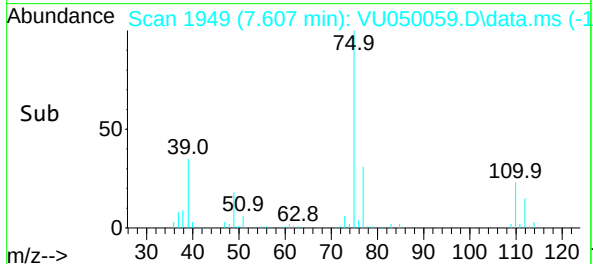
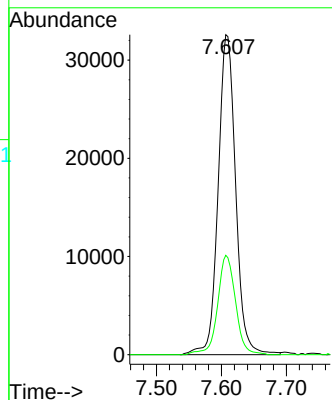
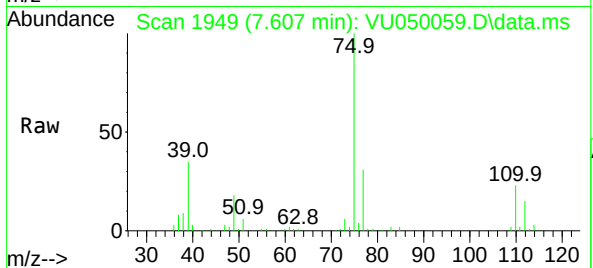
VSTD005052

Tgt Ion: 75 Resp: 60795

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 49.269 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

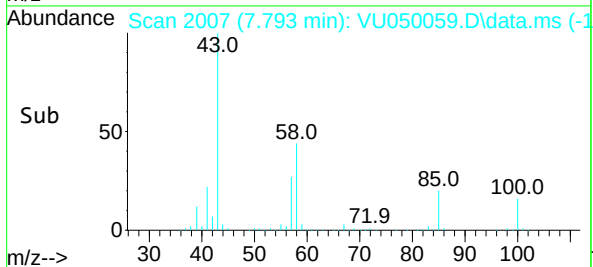
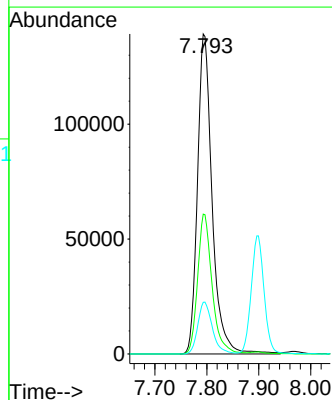
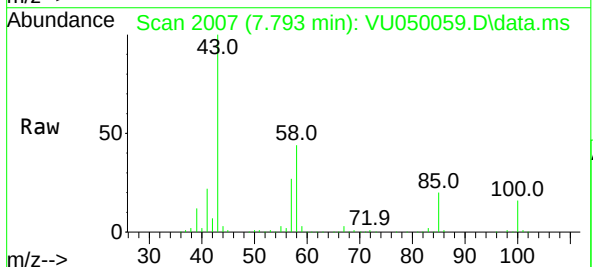
Tgt Ion: 43 Resp: 273121

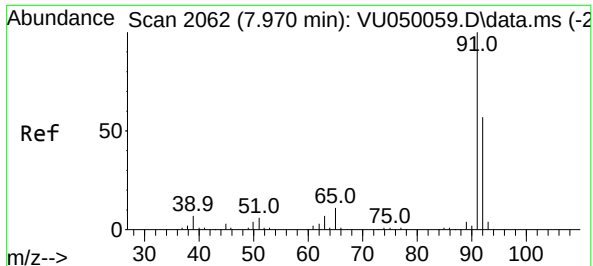
Ion Ratio Lower Upper

43 100

58 43.2 34.6 51.8

100 16.2 13.0 19.4

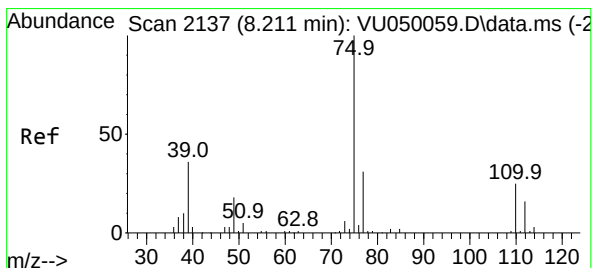
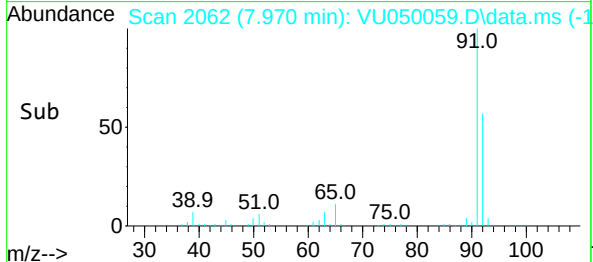
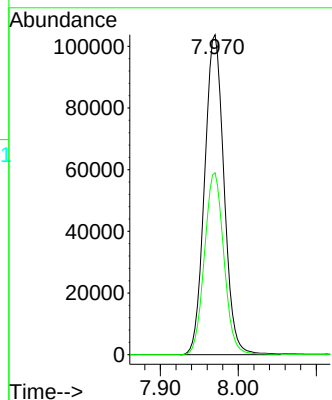
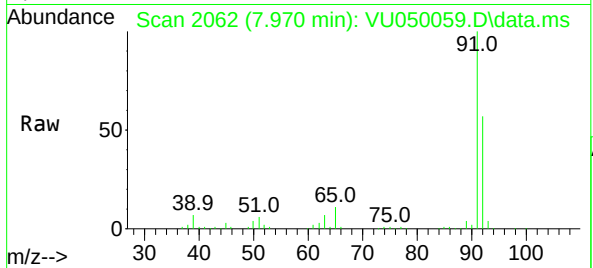




#42
Toluene
Concen: 4.985 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

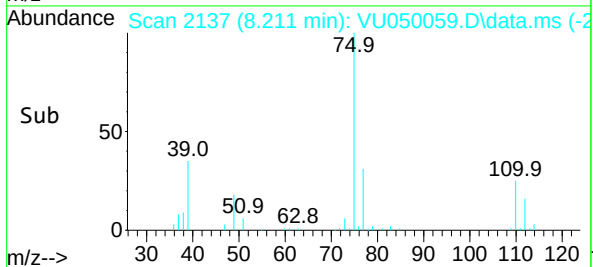
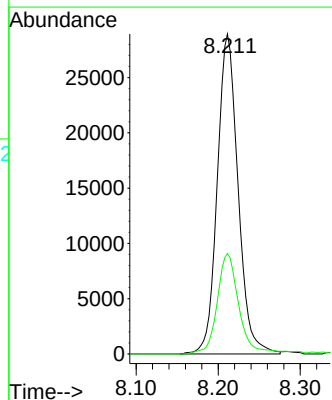
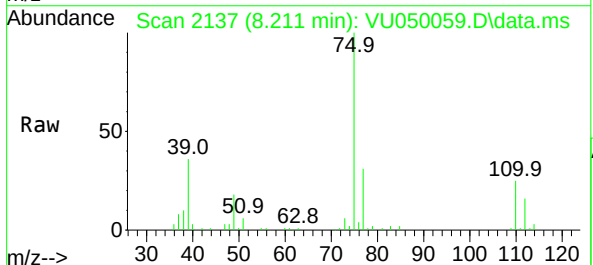
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

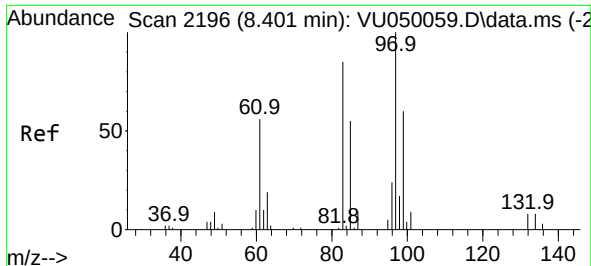
Tgt Ion: 91 Resp: 179647
Ion Ratio Lower Upper
91 100
92 56.9 39.8 74.0



#44
trans-1,3-Dichloropropene
Concen: 4.759 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 75 Resp: 50983
Ion Ratio Lower Upper
75 100
77 31.4 22.0 40.8



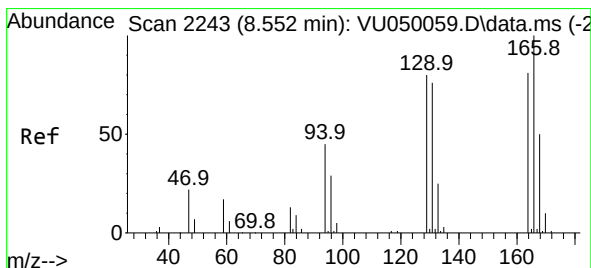
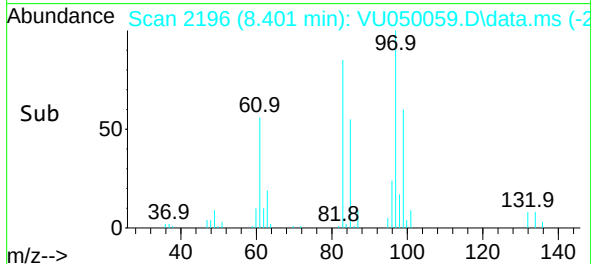
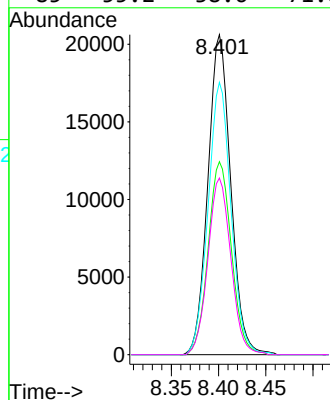
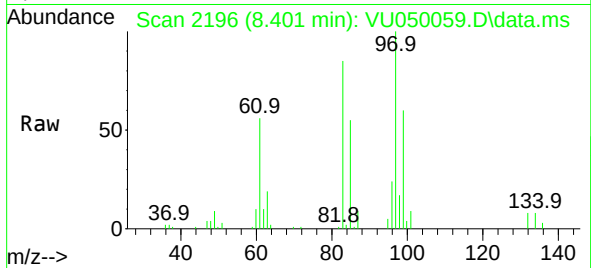


#45
1,1,2-Trichloroethane
Concen: 4.849 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

Tgt Ion: 97 Resp: 34694

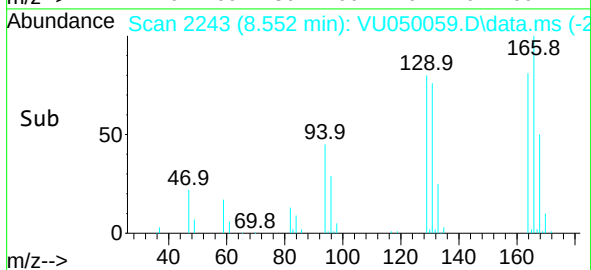
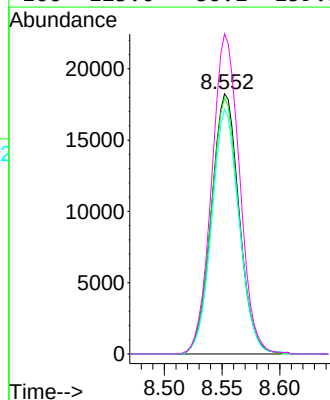
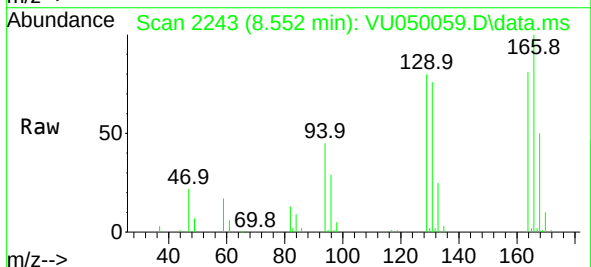
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.2	78.4
83	85.1	59.6	110.6
85	55.2	38.6	71.8

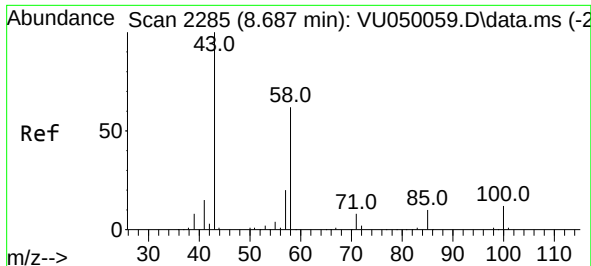


#47
Tetrachloroethene
Concen: 4.924 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 164 Resp: 30660

Ion	Ratio	Lower	Upper
164	100		
129	98.5	69.0	128.1
131	94.0	65.8	122.2
166	123.0	86.1	159.9

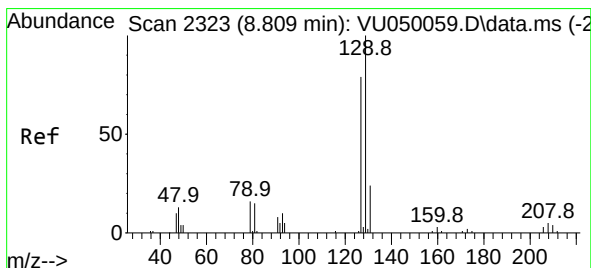
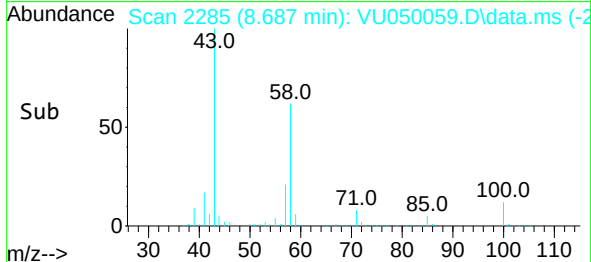
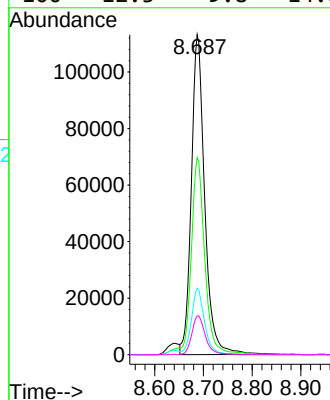
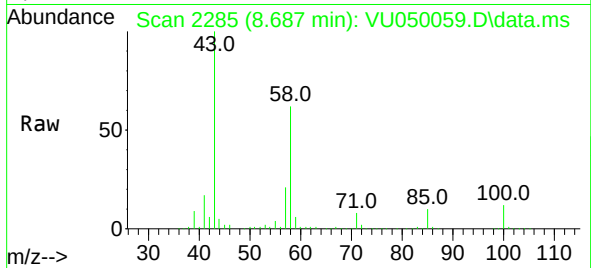




#48
2-Hexanone
Concen: 50.295 ug/L
RT: 8.687 min Scan# 215644
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

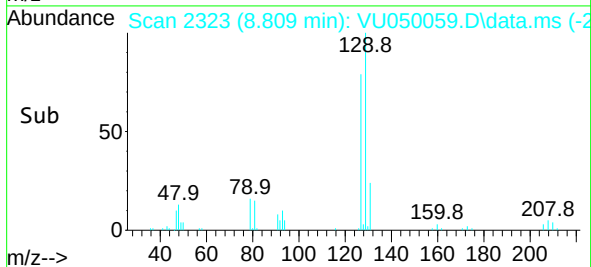
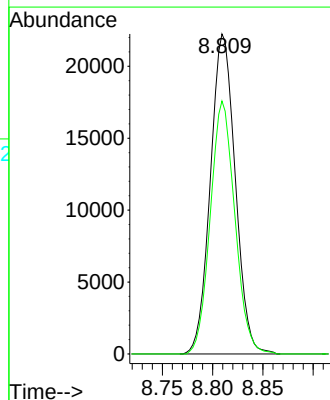
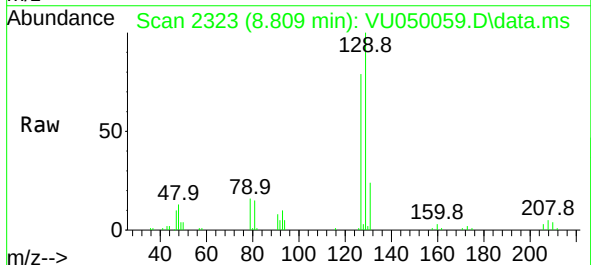
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

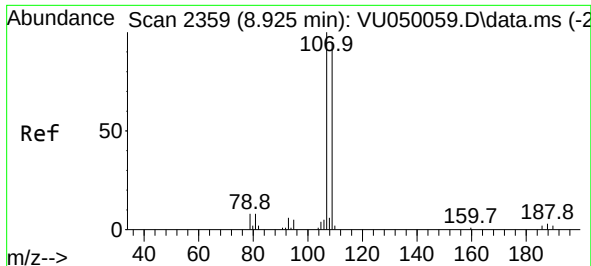
Tgt Ion: 43 Resp: 215644
Ion Ratio Lower Upper
43 100
58 63.3 50.6 76.0
57 20.0 16.0 24.0
100 12.3 9.8 14.8



#49
Dibromochloromethane
Concen: 4.829 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 129 Resp: 38237
Ion Ratio Lower Upper
129 100
127 79.0 55.3 102.7





#50

1,2-Dibromoethane

Concen: 4.954 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005052

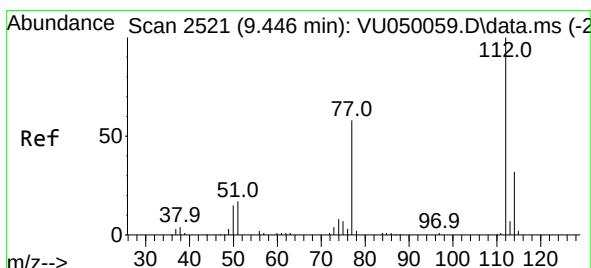
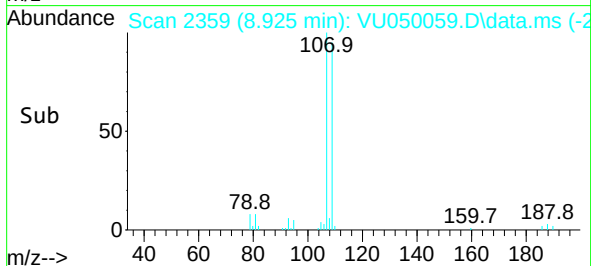
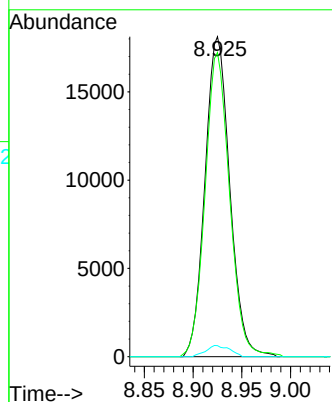
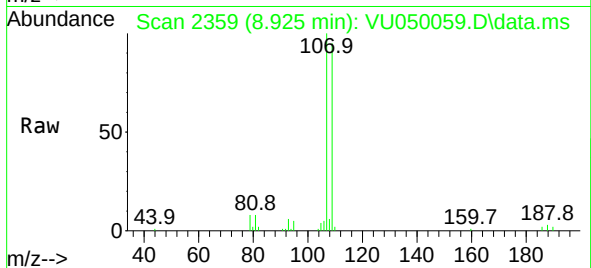
Tgt Ion:107 Resp: 32136

Ion Ratio Lower Upper

107 100

109 95.1 66.6 123.6

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 4.802 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

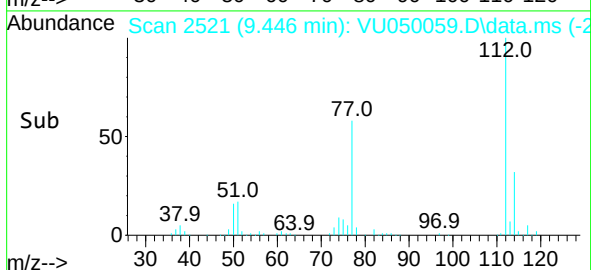
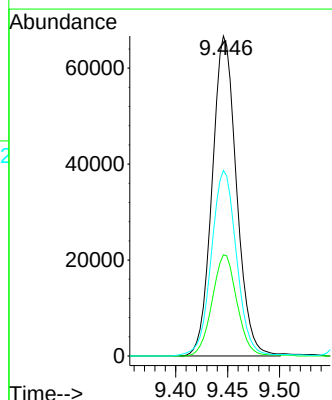
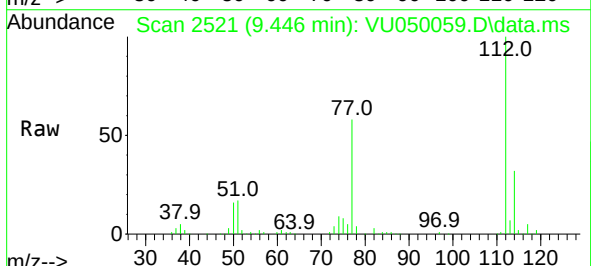
Tgt Ion:112 Resp: 108883

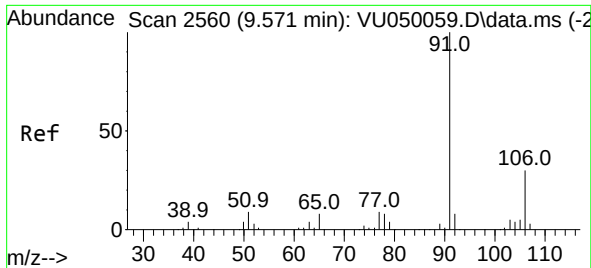
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 57.9 46.3 69.5

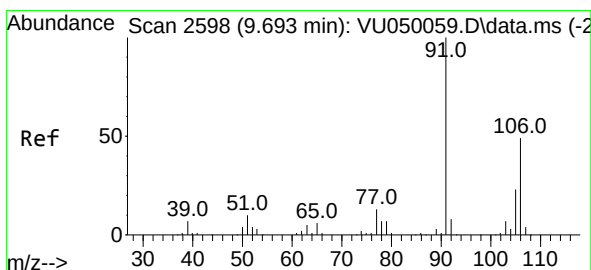
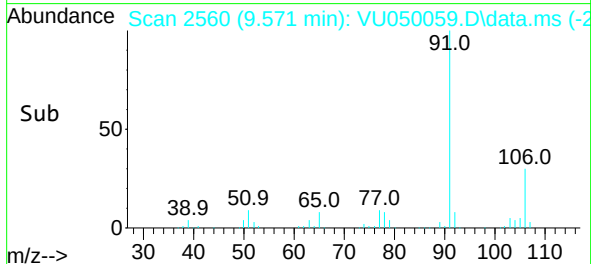
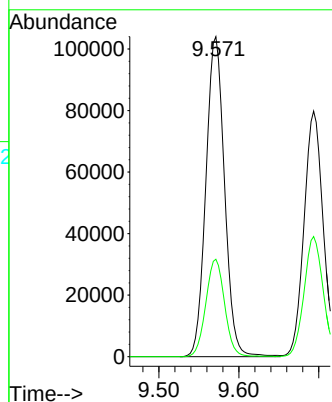
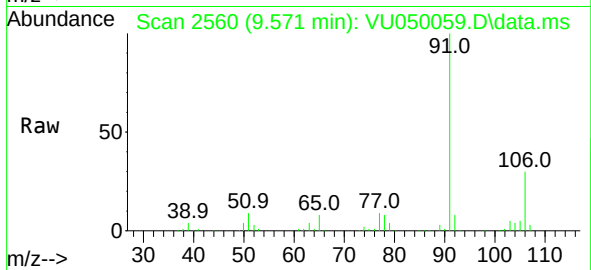




#52
Ethylbenzene
Concen: 4.797 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

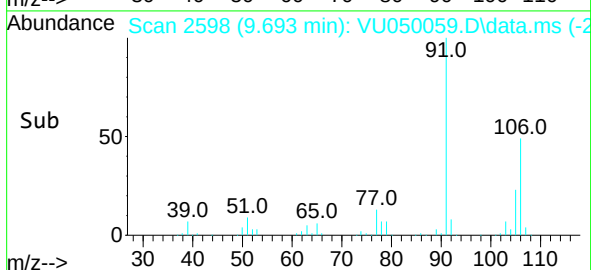
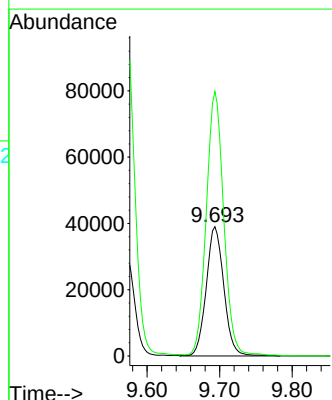
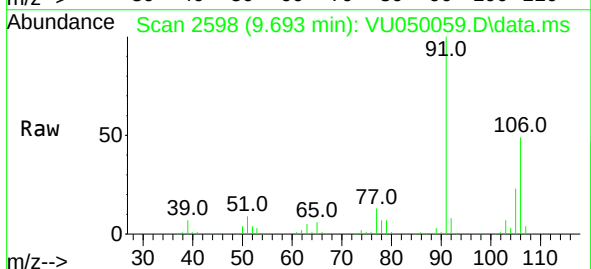
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

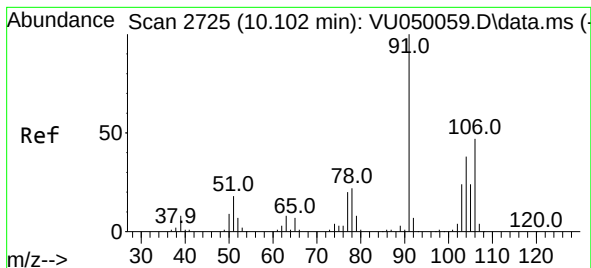
Tgt Ion: 91 Resp: 168667
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 5.083 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 106 Resp: 65825
Ion Ratio Lower Upper
106 100
91 204.5 143.1 265.9





#54

o-Xylene

Concen: 5.037 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

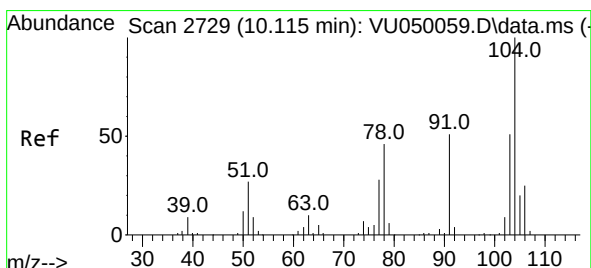
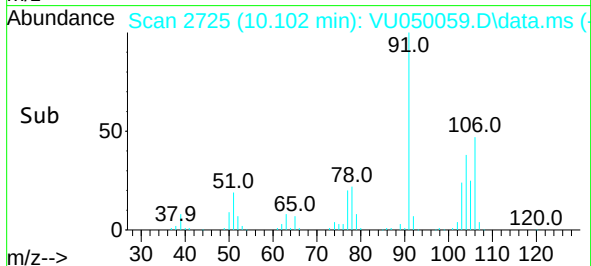
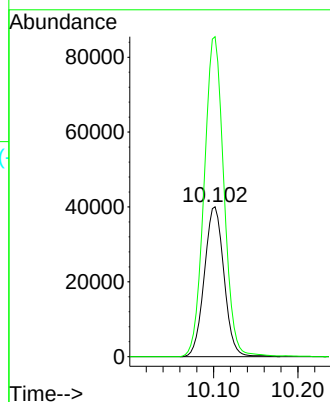
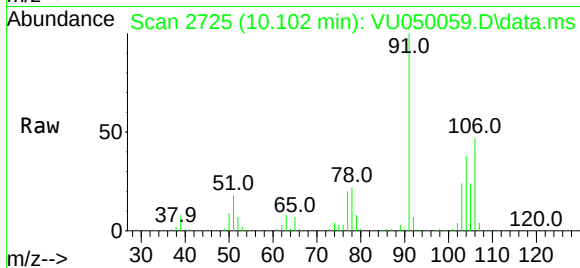
VSTD005052

Tgt Ion:106 Resp: 65114

Ion Ratio Lower Upper

106 100

91 213.4 149.4 277.4



#55

Styrene

Concen: 5.085 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU050059.D

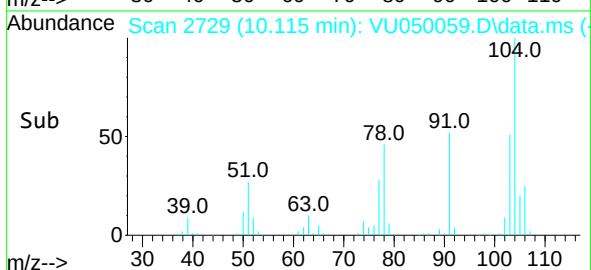
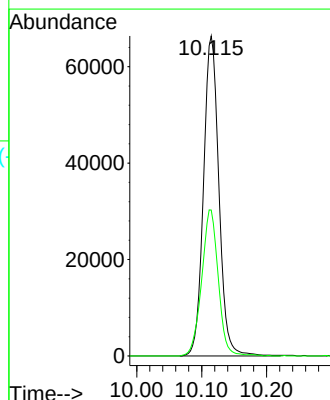
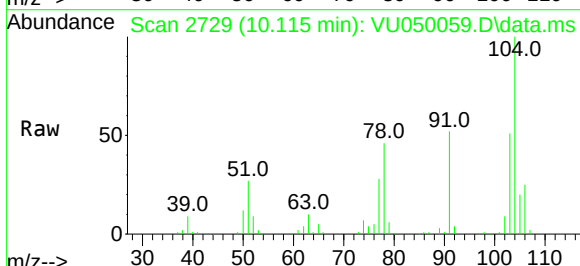
Acq: 04 Aug 2022 11:23

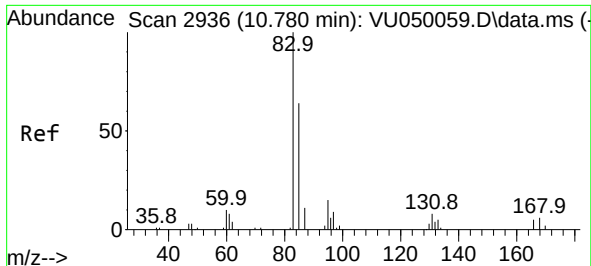
Tgt Ion:104 Resp: 109820

Ion Ratio Lower Upper

104 100

78 45.6 31.9 59.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.785 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005052

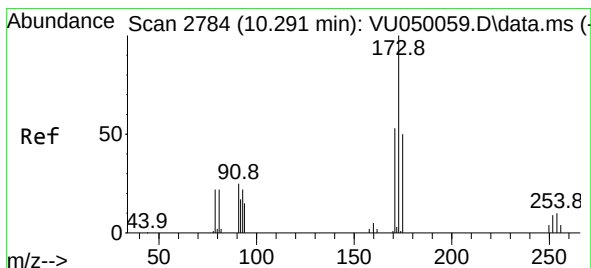
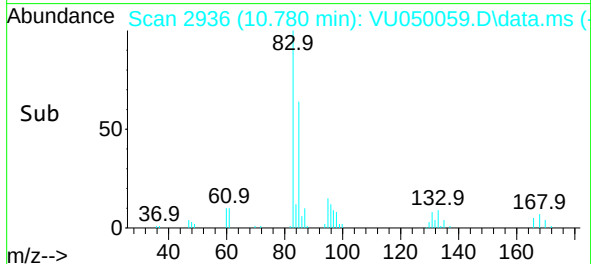
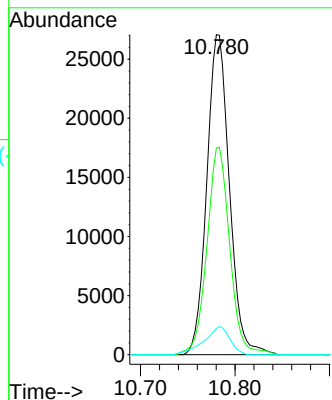
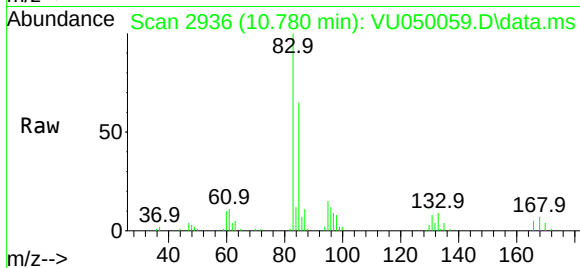
Tgt Ion: 83 Resp: 44983

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

131 8.2 6.6 9.8



#59

Bromoform

Concen: 4.582 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

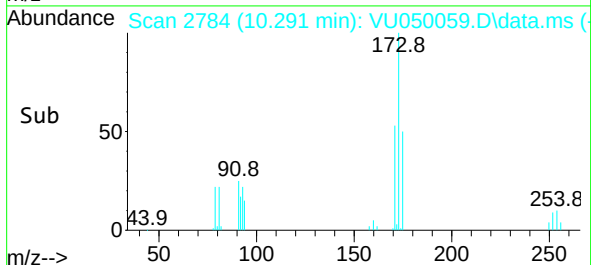
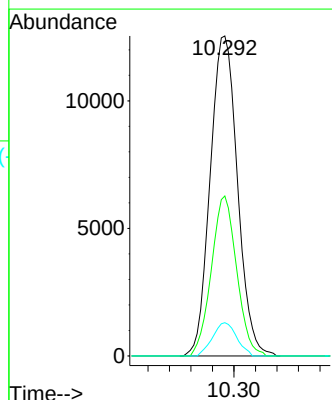
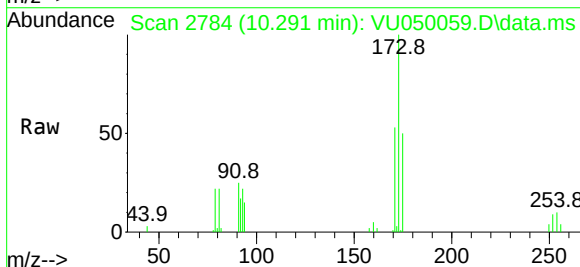
Tgt Ion:173 Resp: 22071

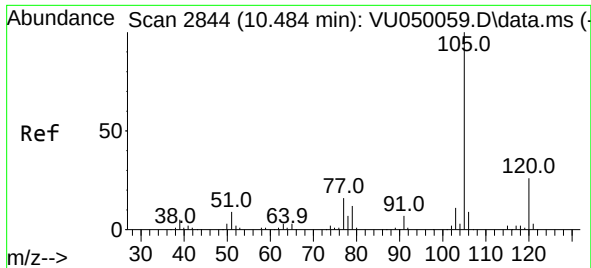
Ion Ratio Lower Upper

173 100

175 46.3 37.0 55.6

254 9.2 7.4 11.0

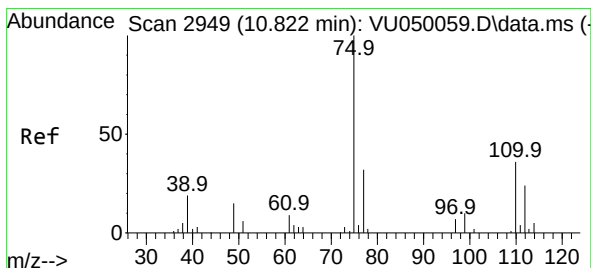
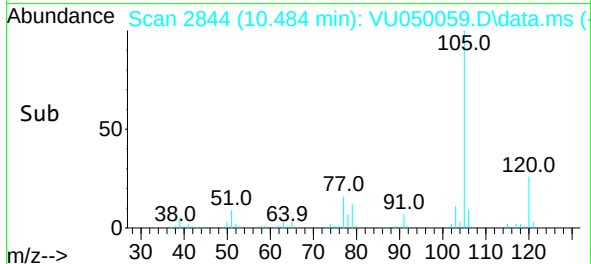
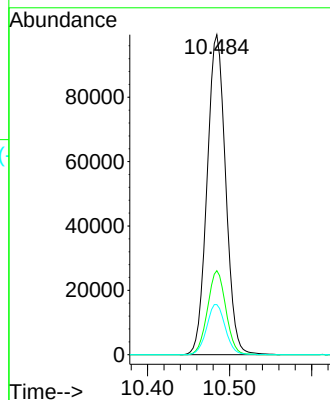
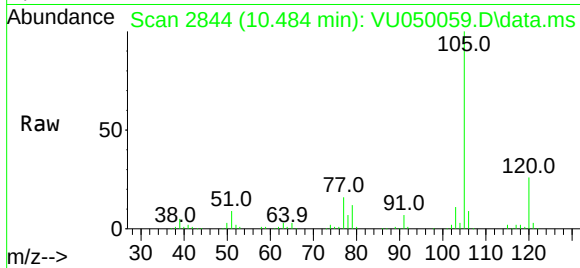




#60
Isopropylbenzene
Concen: 4.864 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

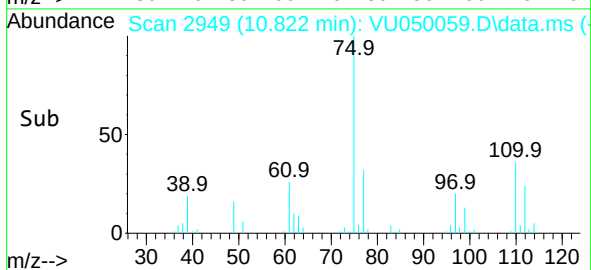
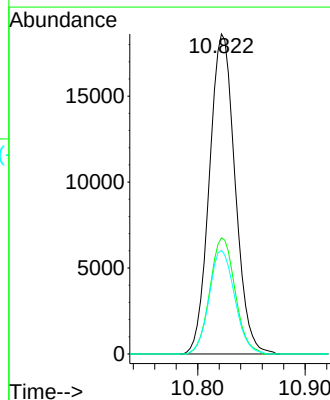
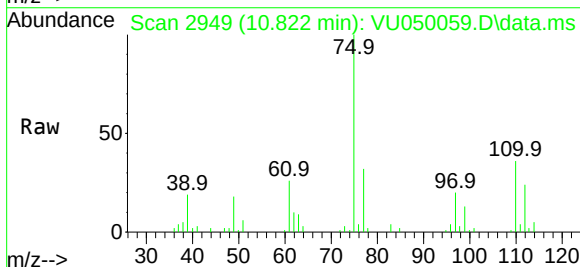
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

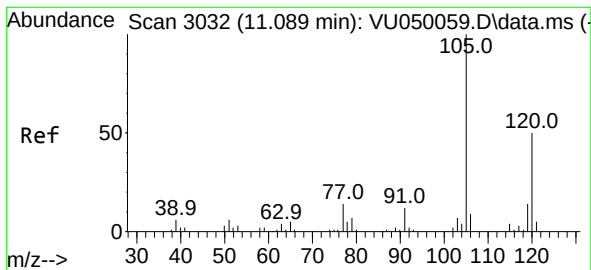
Tgt Ion:105 Resp: 156010
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.723 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion: 75 Resp: 30900
Ion Ratio Lower Upper
75 100
110 35.6 28.5 42.7
77 32.2 25.8 38.6





#62

1,3,5-Trimethylbenzene

Concen: 4.593 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

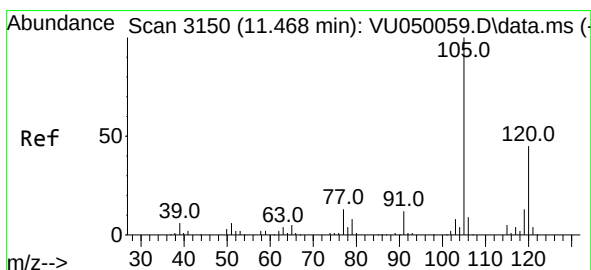
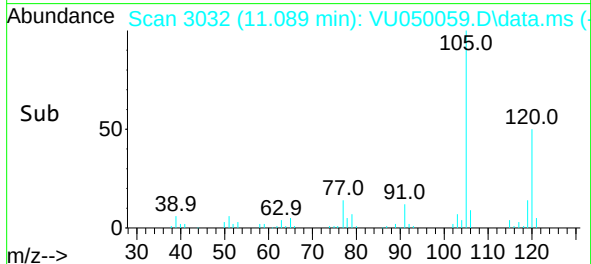
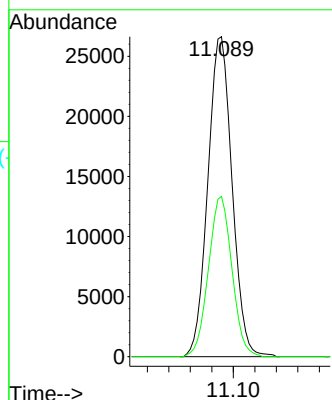
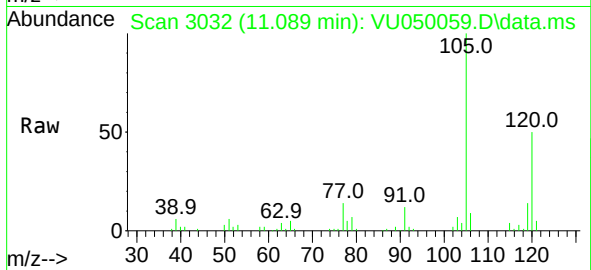
VSTD005052

Tgt Ion:105 Resp: 41626

Ion Ratio Lower Upper

105 100

120 48.6 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.714 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050059.D

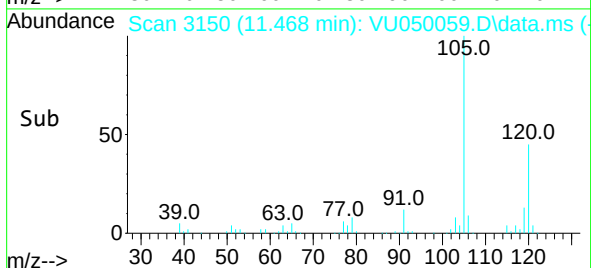
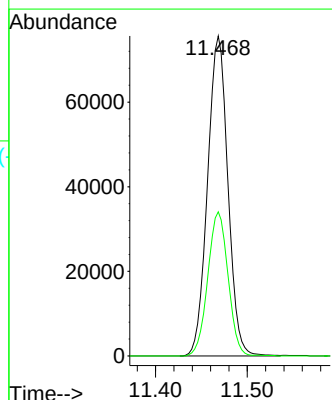
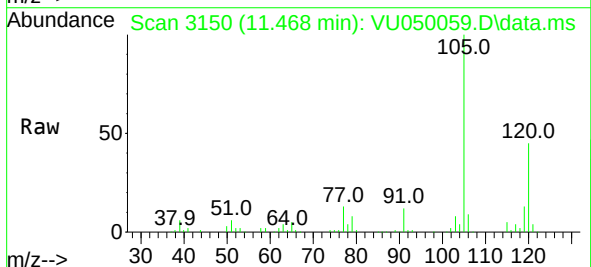
Acq: 04 Aug 2022 11:23

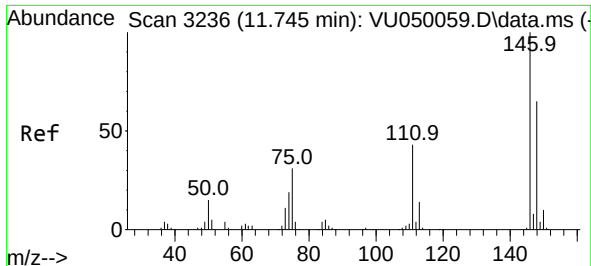
Tgt Ion:105 Resp: 116396

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9

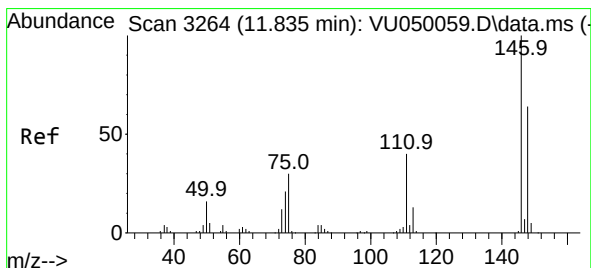
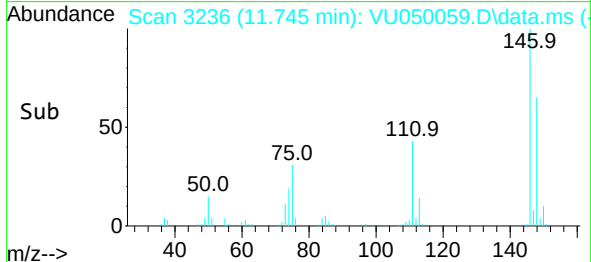
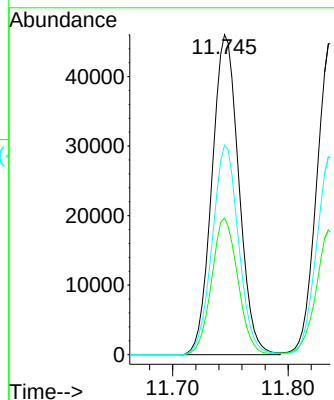
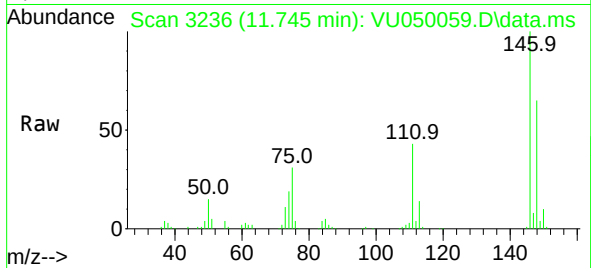




#64
1,3-Dichlorobenzene
Concen: 4.589 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

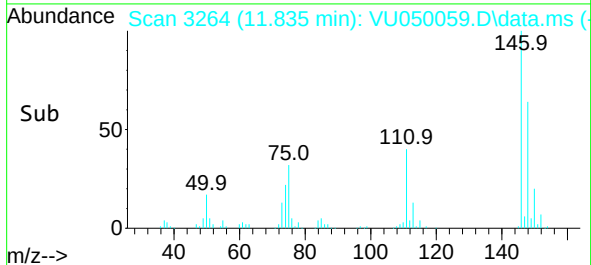
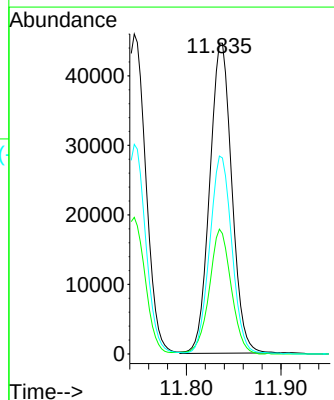
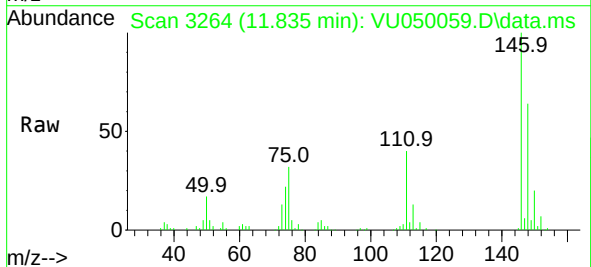
Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

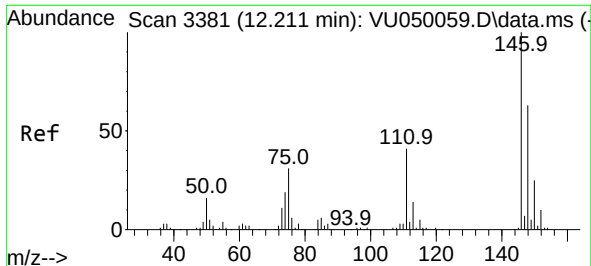
Tgt Ion:146 Resp: 74191
Ion Ratio Lower Upper
146 100
111 42.7 29.9 55.5
148 65.5 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 4.619 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion:146 Resp: 72657
Ion Ratio Lower Upper
146 100
111 40.1 28.1 52.1
148 63.7 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.763 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD005052

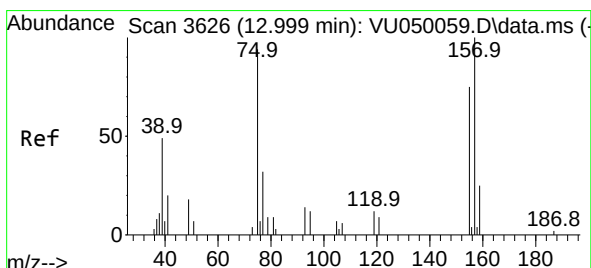
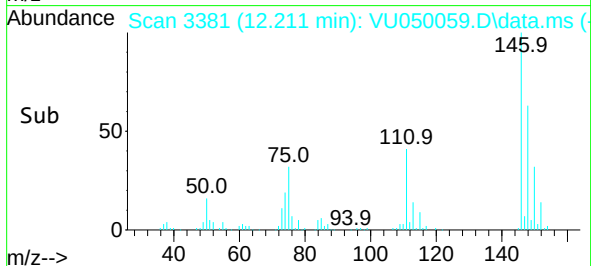
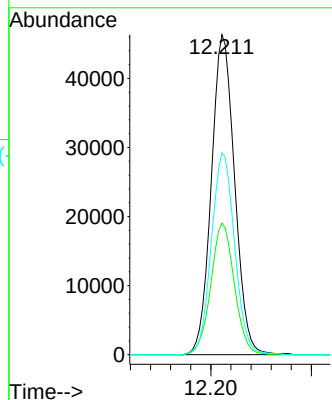
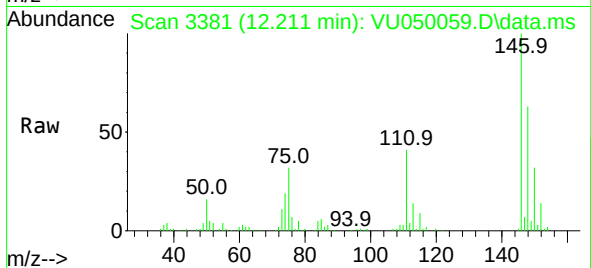
Tgt Ion:146 Resp: 74564

Ion Ratio Lower Upper

146 100

111 41.1 32.9 49.3

148 63.0 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.938 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU050059.D

Acq: 04 Aug 2022 11:23

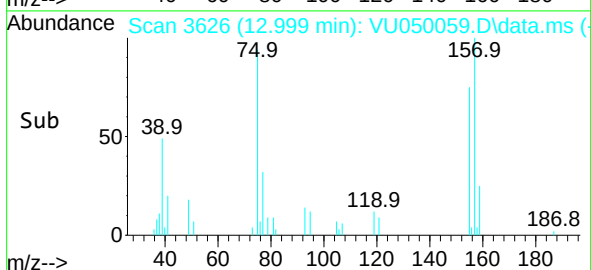
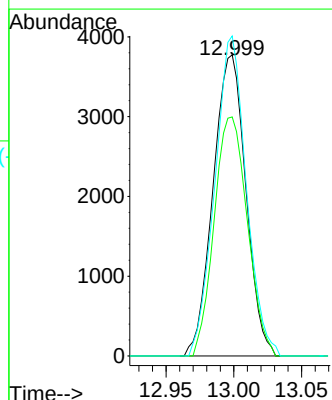
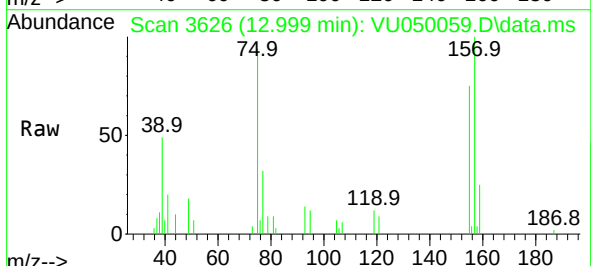
Tgt Ion: 75 Resp: 6335

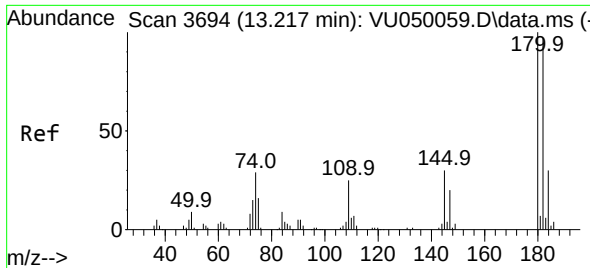
Ion Ratio Lower Upper

75 100

155 79.4 63.5 95.3

157 106.3 85.0 127.6

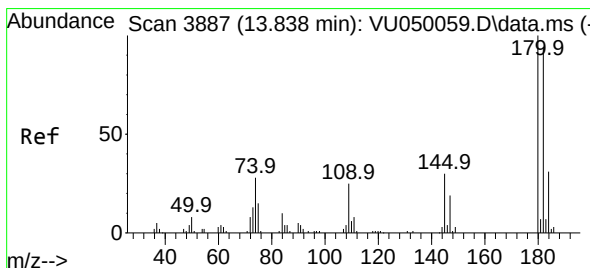
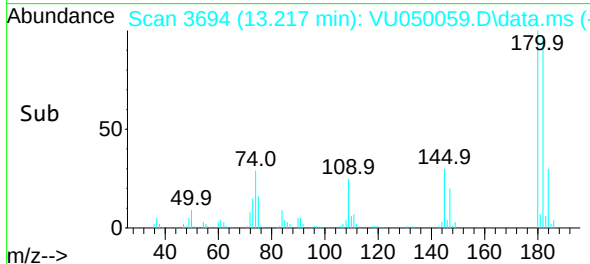
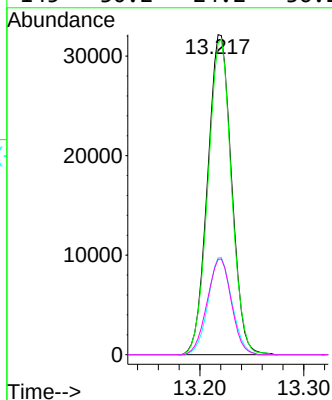
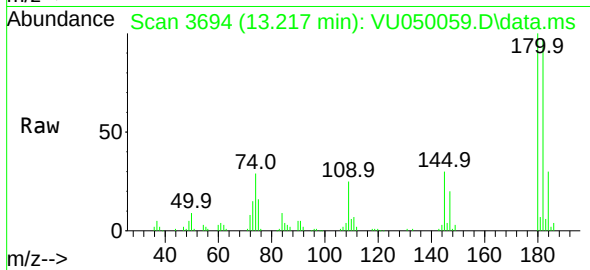




#69
 1,3,5-Trichlorobenzene
 Concen: 4.463 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

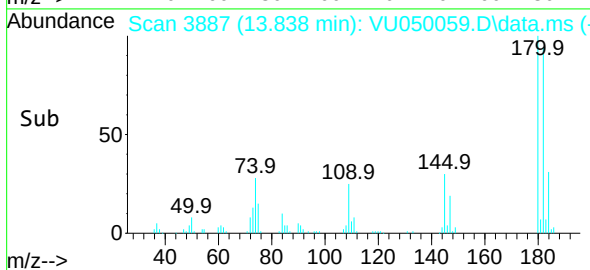
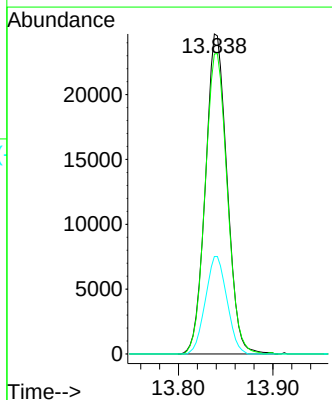
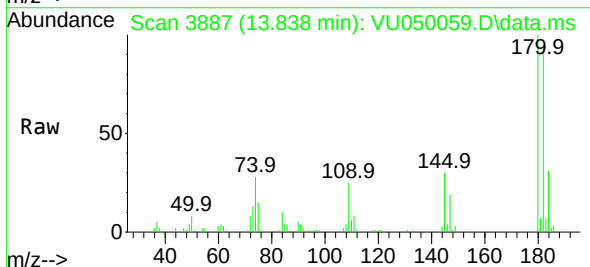
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005052

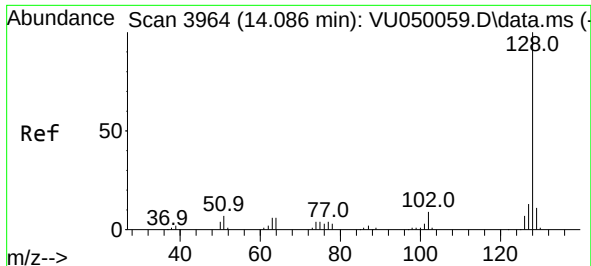
Tgt Ion:180	Resp:	51397
Ion Ratio	Lower	Upper
180	100	
182	96.6	77.3 115.9
184	30.1	24.1 36.1
145	30.2	24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.491 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU050059.D
 Acq: 04 Aug 2022 11:23

Tgt Ion:180	Resp:	39190
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.9 115.3
145	30.3	24.2 36.4

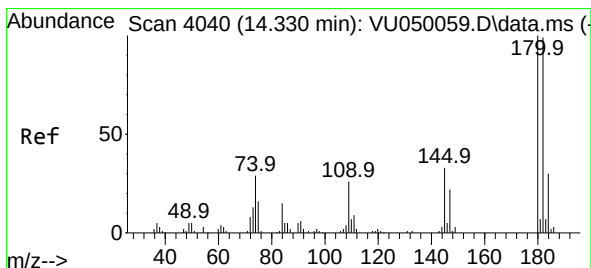
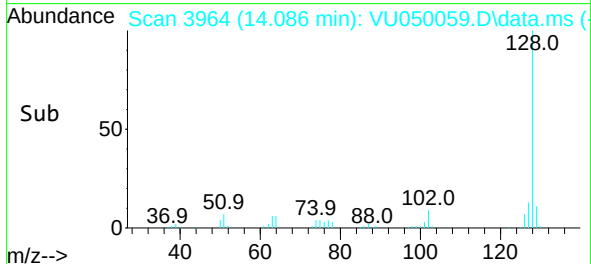
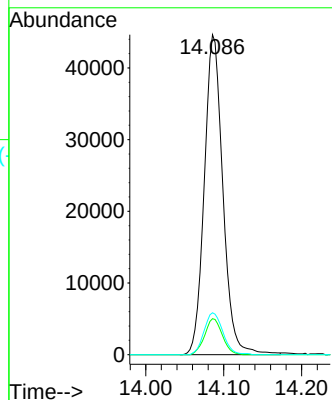
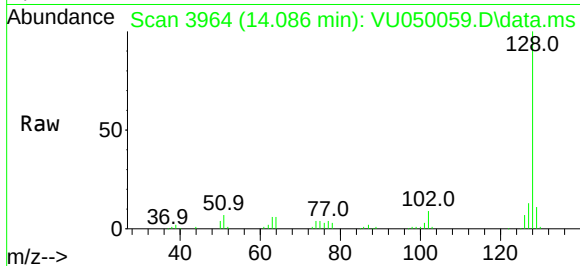




#71
Naphthalene
Concen: 4.128 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD005052

Tgt Ion:	128	Resp:	73851
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.3	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.469 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050059.D
Acq: 04 Aug 2022 11:23

Tgt Ion:	180	Resp:	39532
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
145	32.2	25.8	38.6

