

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080822\
 Data File : VU050132.D
 Acq On : 08 Aug 2022 12:44
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

Quant Time: Aug 09 00:36:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 06 06:03:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	99134	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	95803	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	45752	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44914	5.444	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 108.800%		
7) Chloroethane-d5	1.909	69	36262	5.448	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 109.000%		
11) 1,1-Dichloroethene-d2	2.562	65	17830	5.530	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 110.600%		
20) 2-Butanone-d5	4.639	46	114198	56.763	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 113.520%		
24) Chloroform-d	5.063	84	79170	5.159	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 103.200%		
26) 1,2-Dichloroethane-d4	5.703	65	38269	4.857	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 97.200%		
32) Benzene-d6	5.729	84	158121	5.289	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 105.800%		
36) 1,2-Dichloropropane-d6	6.694	67	50169	5.096	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 102.000%		
41) Toluene-d8	7.899	98	144440	5.470	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 109.400%		
43) trans-1,3-Dichloroprop...	8.179	79	18475	5.237	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 104.800%		
46) 2-Hexanone-d5	8.636	63	74034	59.176	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 118.360%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43583	5.041	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 100.800%		
66) 1,2-Dichlorobenzene-d4	12.195	152	45256	5.048	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 101.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	54251	5.969	ug/L	99
3) Chloromethane	1.520	50	55961	4.707	ug/L	98
5) Vinyl chloride	1.601	62	55690	5.229	ug/L	100
6) Bromomethane	1.855	94	29116	4.283	ug/L	99
8) Chloroethane	1.932	64	30578	4.872	ug/L	96
9) Trichlorofluoromethane	2.134	101	68031	5.833	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	39262	6.051	ug/L	98
12) 1,1-Dichloroethene	2.575	96	38184	5.572	ug/L	92
13) Acetone	2.646	43	70221	62.674	ug/L	98
14) Carbon disulfide	2.787	76	128605	5.255	ug/L	100
15) Methyl Acetate	2.957	43	15389	5.030	ug/L	95
16) Methylene chloride	3.044	84	46732	4.463	ug/L	99
17) Methyl tert-butyl Ether	3.369	73	89792	5.021	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	39931	5.205	ug/L	96
19) 1,1-Dichloroethane	3.867	63	74539	5.130	ug/L	100
21) 2-Butanone	4.716	43	117762	58.450	ug/L	96
22) cis-1,2-Dichloroethene	4.668	96	43553	5.114	ug/L	96
23) Bromochloromethane	4.977	128	20012	4.917	ug/L	99
25) Chloroform	5.089	83	78129	5.044	ug/L	99

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005151

Quant Time: Aug 09 00:36:09 2022
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

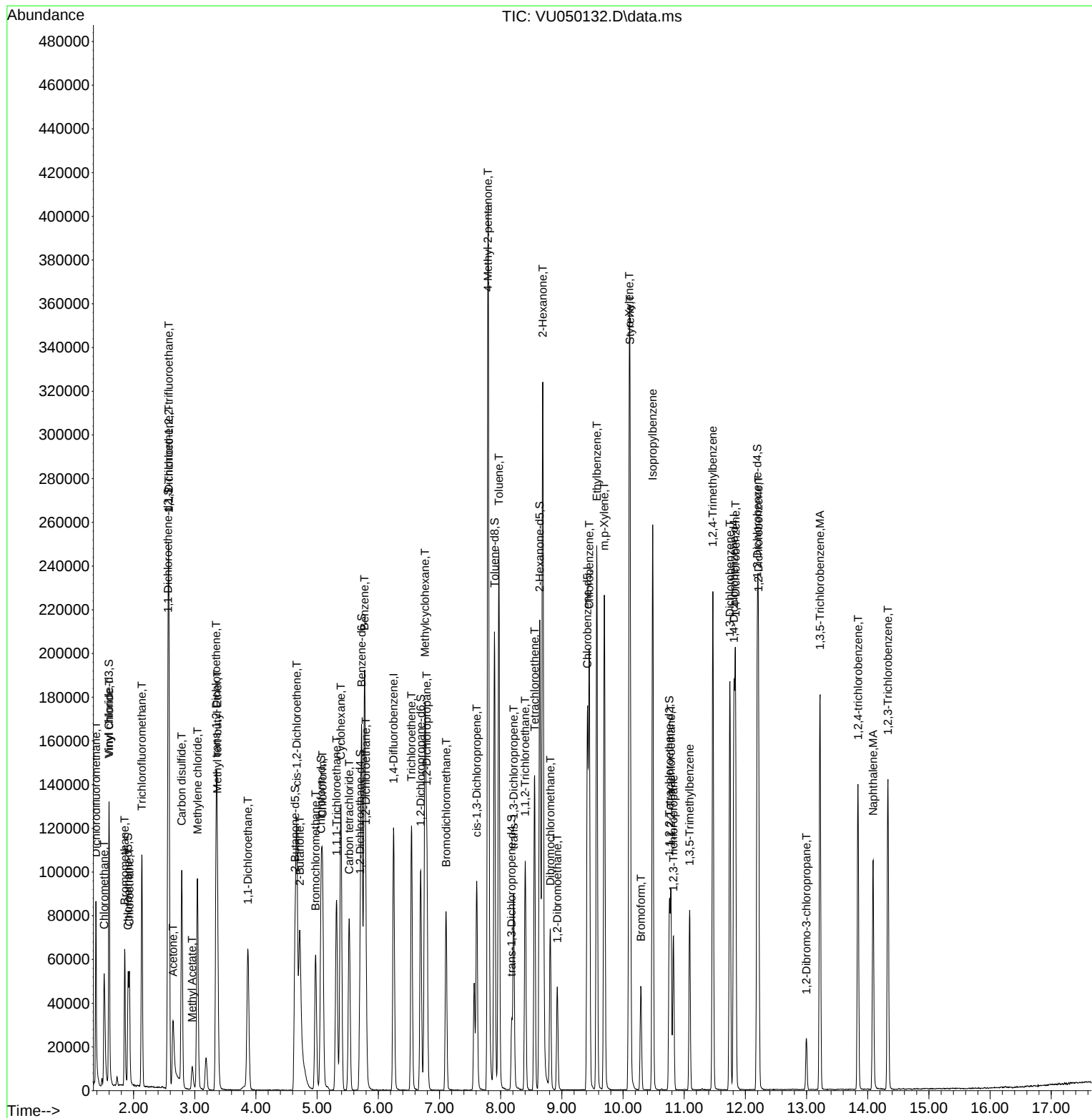
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	46325	4.914	ug/L	98
29) 1,1,1-Trichloroethane	5.317	97	64507	5.489	ug/L	99
30) Cyclohexane	5.388	56	62720	6.125	ug/L	99
31) Carbon tetrachloride	5.523	117	54892	5.698	ug/L	100
33) Benzene	5.774	78	175152	5.218	ug/L	100
34) Trichloroethene	6.542	95	42149	5.192	ug/L	98
35) Methylcyclohexane	6.764	83	65220	6.224	ug/L	99
37) 1,2-Dichloropropane	6.793	63	46419	5.192	ug/L	100
38) Bromodichloromethane	7.108	83	55104	5.074	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	60197	5.159	ug/L	96
40) 4-Methyl-2-pentanone	7.793	43	274715	53.048	ug/L	100
42) Toluene	7.970	91	182608	5.424	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	51853	5.181	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	33860	5.066	ug/L	97
47) Tetrachloroethene	8.555	164	31937	5.491	ug/L	98
48) 2-Hexanone	8.687	43	209210	52.233	ug/L	99
49) Dibromochloromethane	8.812	129	37973	5.133	ug/L	100
50) 1,2-Dibromoethane	8.925	107	31592	5.213	ug/L	100
51) Chlorobenzene	9.449	112	108864	5.140	ug/L	96
52) Ethylbenzene	9.571	91	175406	5.340	ug/L	100
53) m,p-Xylene	9.693	106	66138	5.467	ug/L	97
54) o-Xylene	10.102	106	64845	5.370	ug/L	98
55) Styrene	10.115	104	112016	5.552	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	44315	5.046	ug/L	99
59) Bromoform	10.292	173	21878	4.768	ug/L	97
60) Isopropylbenzene	10.484	105	165912	5.430	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	31069	4.985	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	44499	5.155	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	124144	5.278	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	79156	5.140	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	76451	5.102	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	76163	5.107	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	6587	5.390	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	56773	5.175	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	45083	5.424	ug/L	98
71) Naphthalene	14.089	128	87886	5.156	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	45762	5.431	ug/L	99

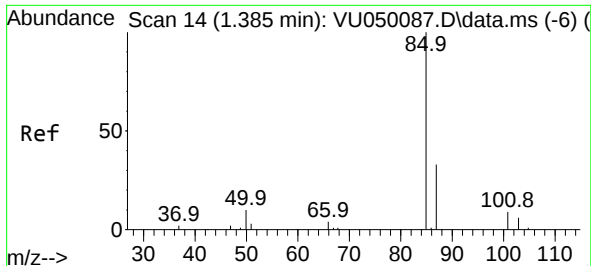
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Data File : VU050132.D
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Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

Quant Time: Aug 09 00:36:09 2022
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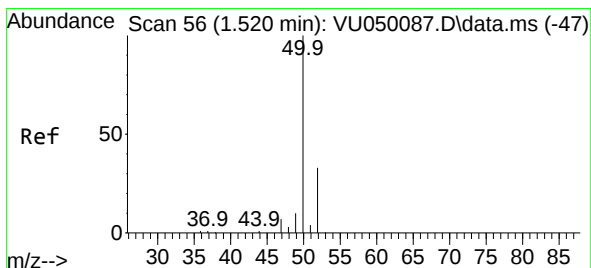
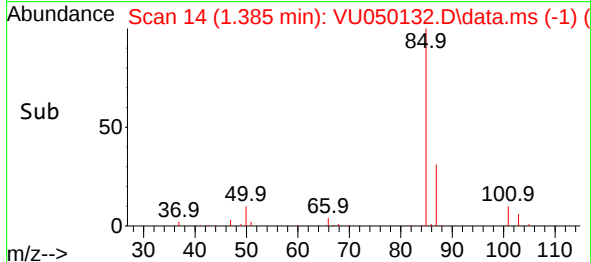
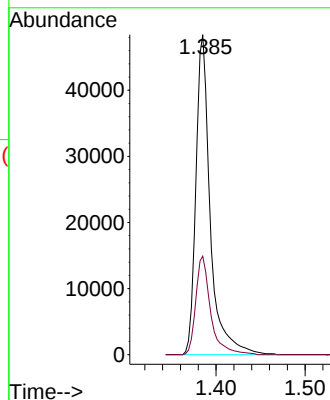
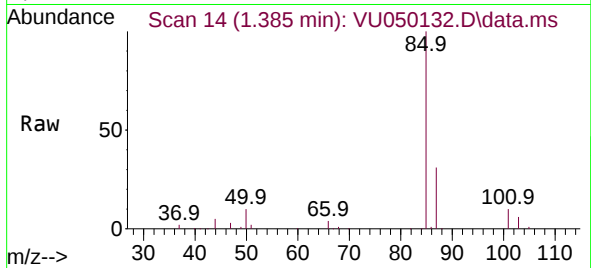




#2
Dichlorodifluoromethane
Concen: 5.969 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

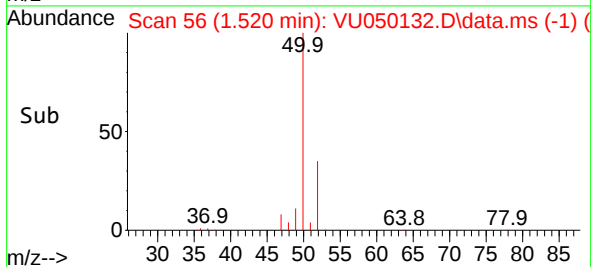
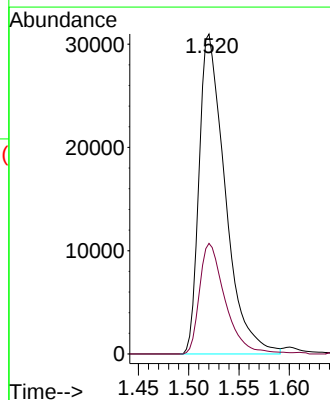
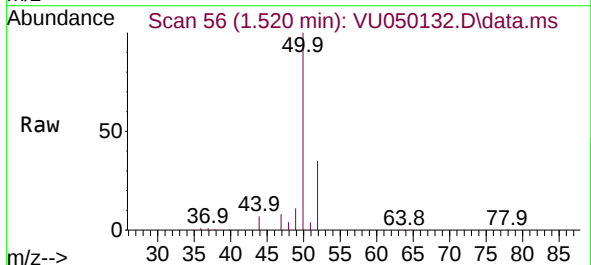
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

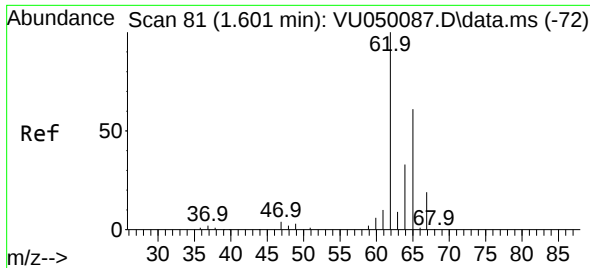
Tgt Ion: 85 Resp: 54251
Ion Ratio Lower Upper
85 100
87 32.0 26.2 39.4



#3
Chloromethane
Concen: 4.707 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion: 50 Resp: 55961
Ion Ratio Lower Upper
50 100
52 34.6 23.2 43.2

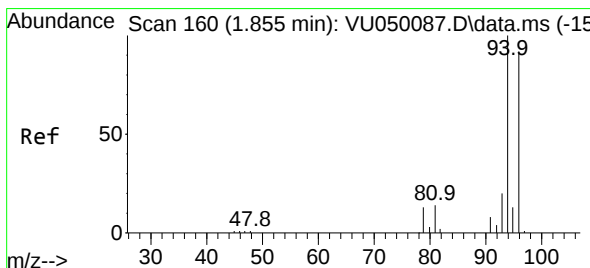
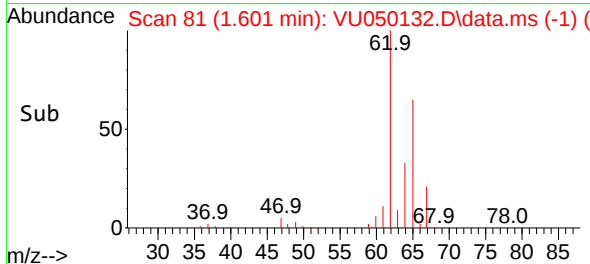
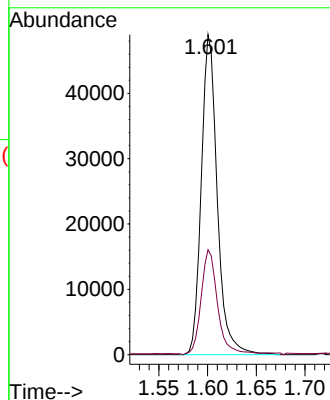
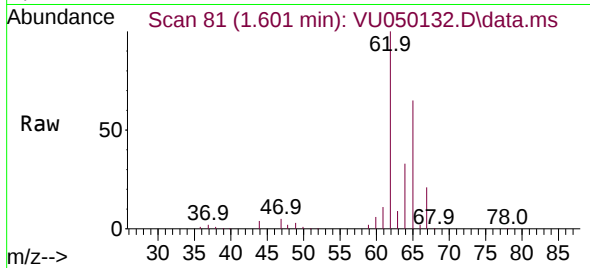




#5
 Vinyl chloride
 Concen: 5.229 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

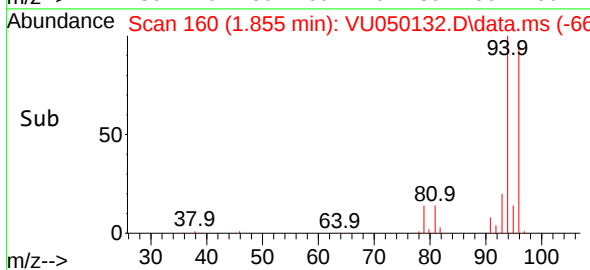
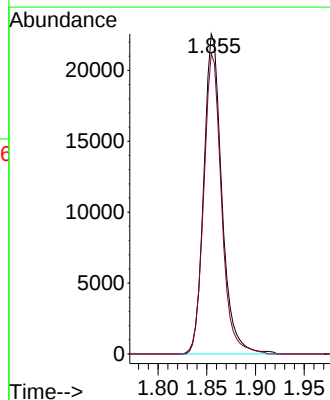
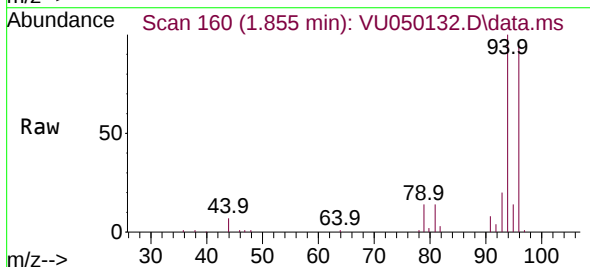
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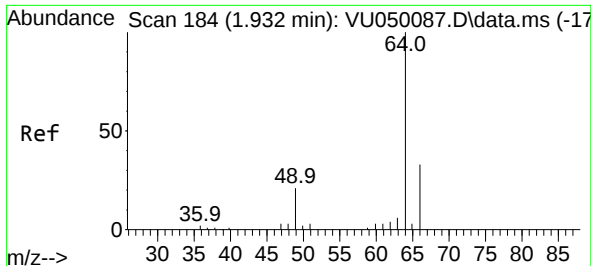
Tgt Ion: 62 Resp: 55690
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.8 42.4



#6
 Bromomethane
 Concen: 4.283 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

Tgt Ion: 94 Resp: 29116
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.3 121.3

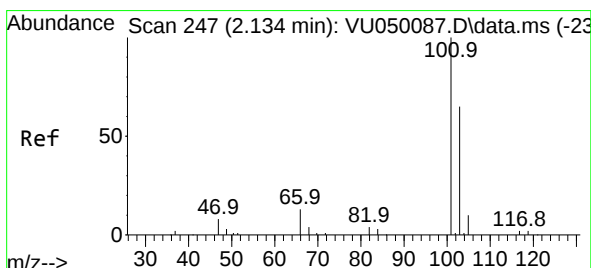
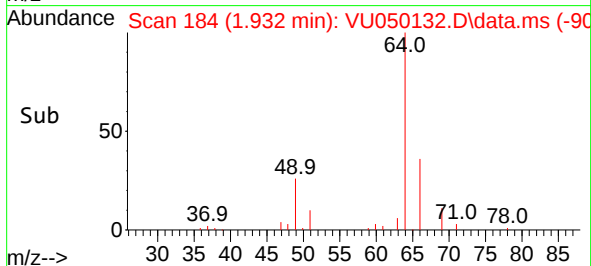
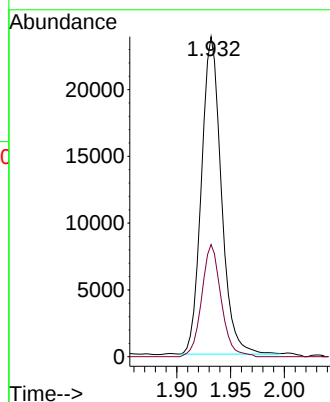
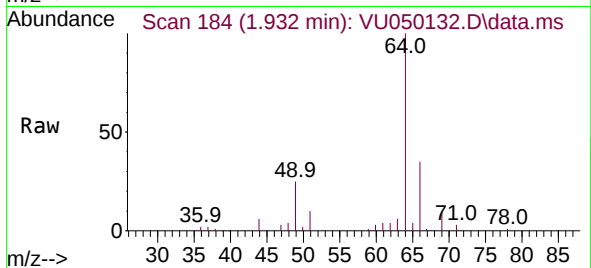




#8
Chloroethane
Concen: 4.872 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

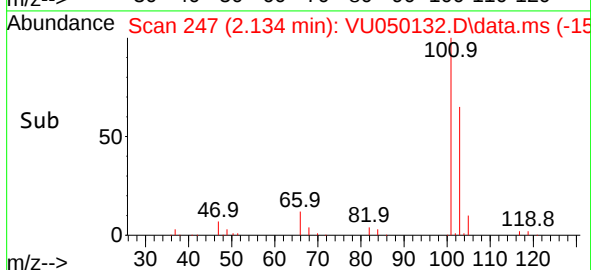
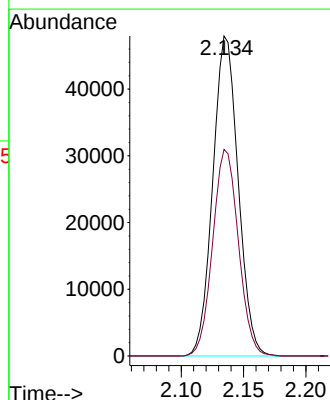
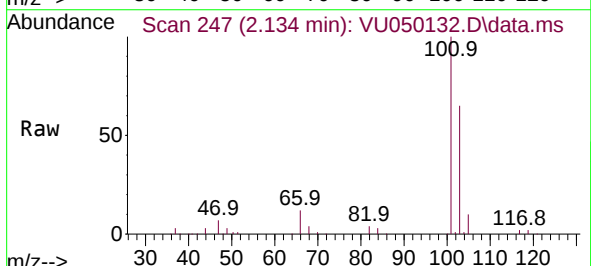
Instrument :
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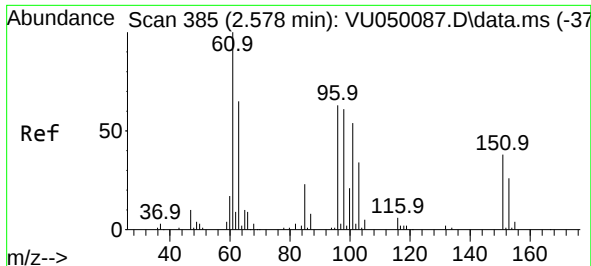
Tgt Ion: 64 Resp: 30578
Ion Ratio Lower Upper
64 100
66 35.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.833 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion: 101 Resp: 68031
Ion Ratio Lower Upper
101 100
103 65.3 52.6 78.8

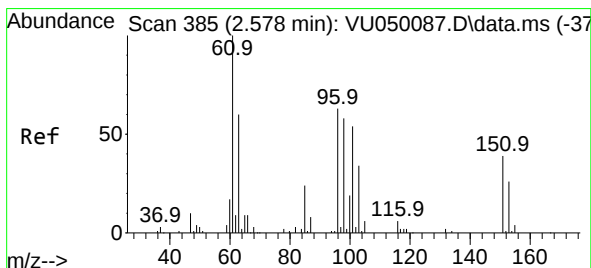
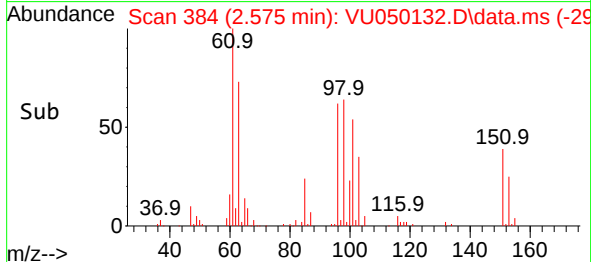
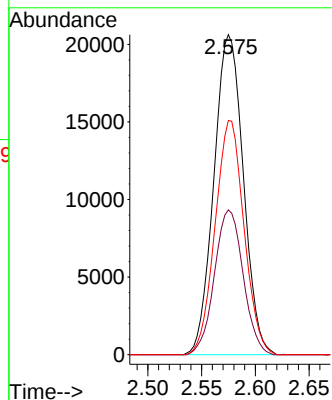
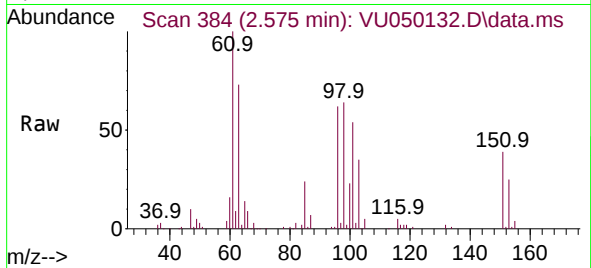




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.051 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

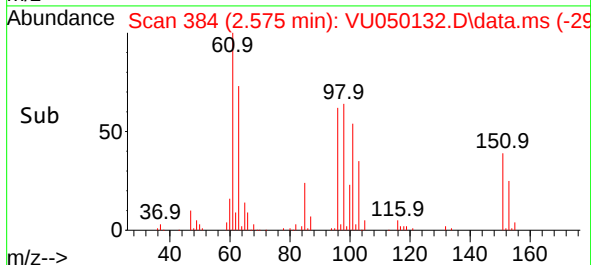
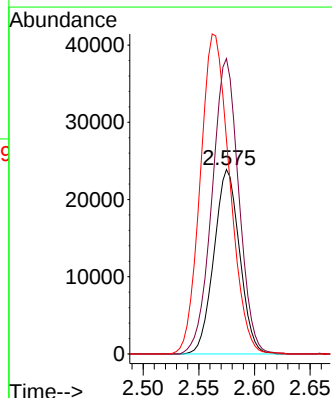
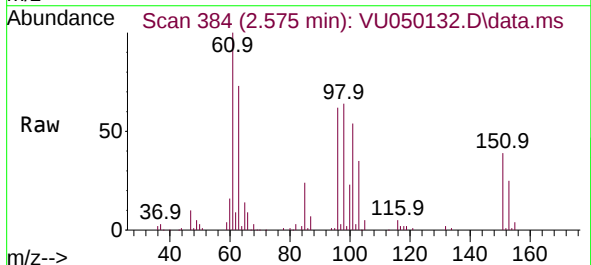
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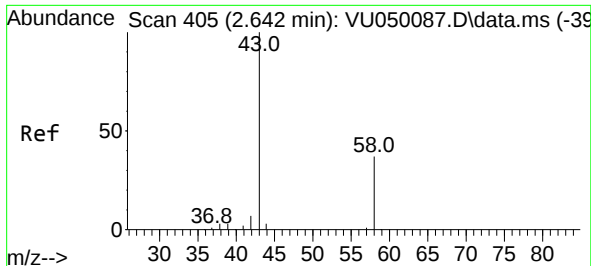
Tgt Ion:101 Resp: 39262
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.6 53.4
 151 71.8 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 5.572 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

Tgt Ion: 96 Resp: 38184
 Ion Ratio Lower Upper
 96 100
 61 160.0 122.7 227.9
 63 116.3 85.1 158.1





#13

Acetone

Concen: 62.674 ug/L

RT: 2.646 min Scan# 405

Delta R.T. 0.019 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

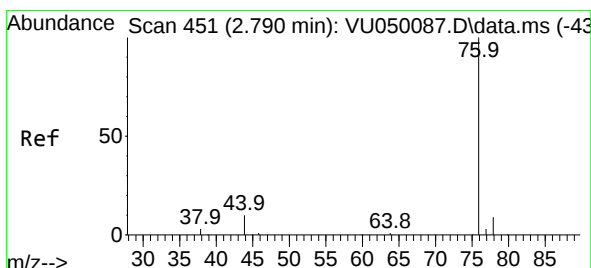
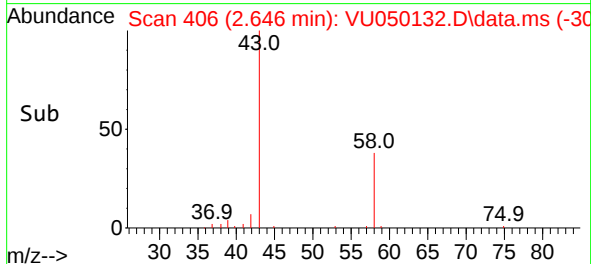
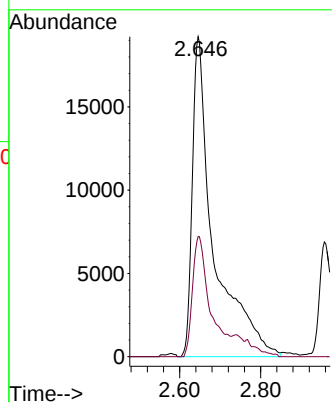
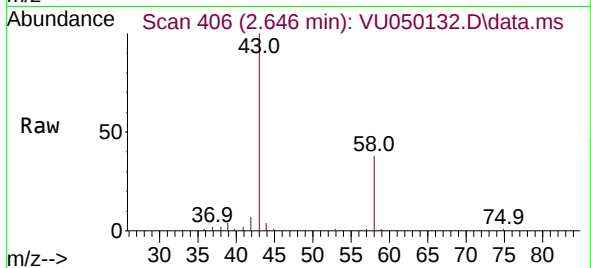
VSTD005151

Tgt Ion: 43 Resp: 70221

Ion Ratio Lower Upper

43 100

58 30.7 0.0 64.0



#14

Carbon disulfide

Concen: 5.255 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050132.D

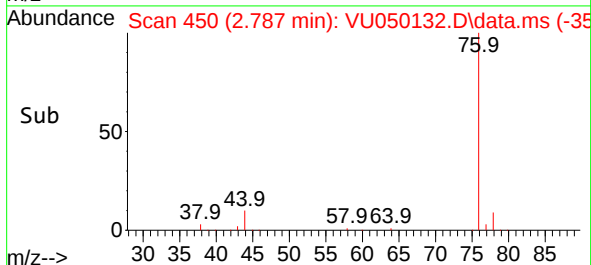
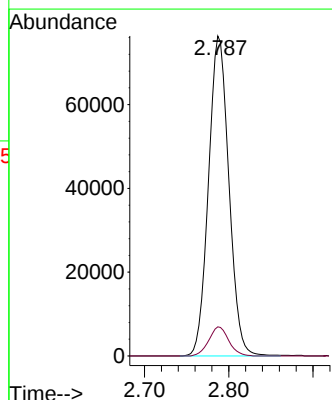
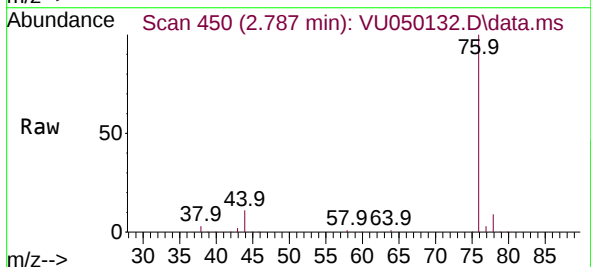
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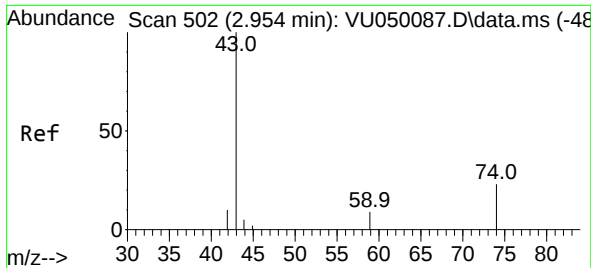
Tgt Ion: 76 Resp: 128605

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

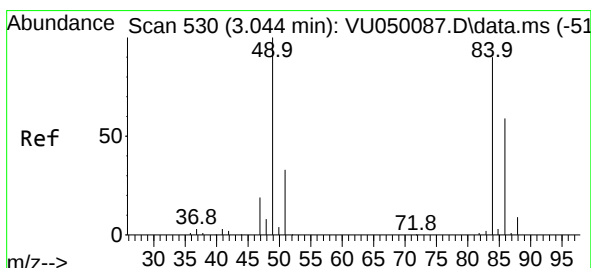
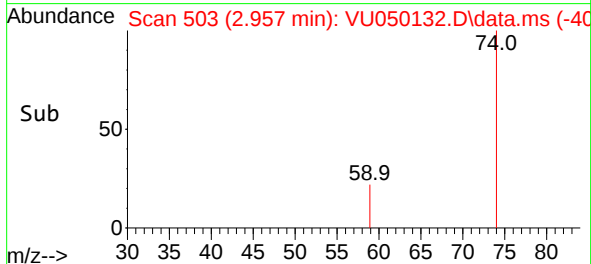
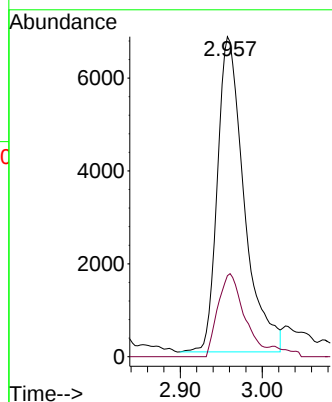
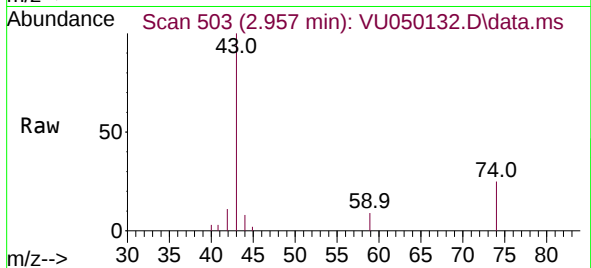




#15
Methyl Acetate
Concen: 5.030 ug/L
RT: 2.957 min Scan# 50
Delta R.T. 0.007 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

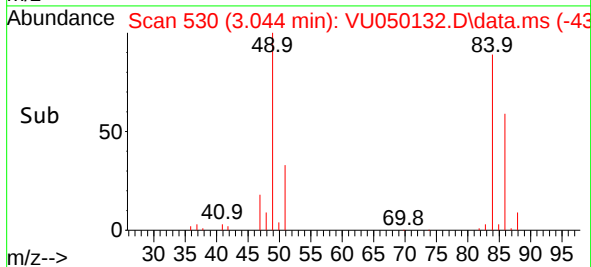
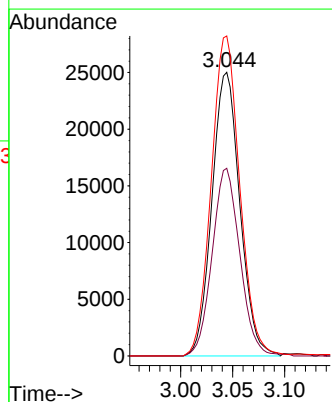
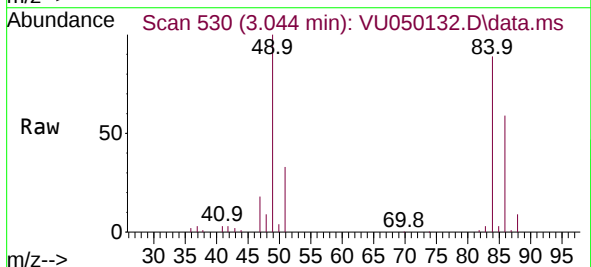
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

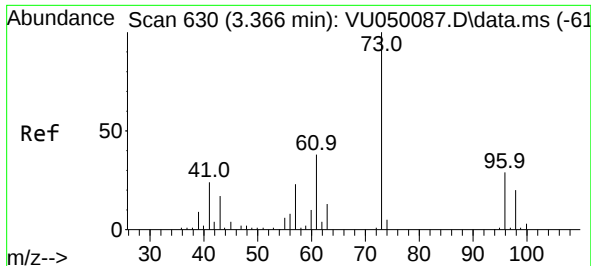
Tgt Ion: 43 Resp: 15389
Ion Ratio Lower Upper
43 100
74 25.9 22.7 34.1



#16
Methylene chloride
Concen: 4.463 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion: 84 Resp: 46732
Ion Ratio Lower Upper
84 100
86 66.2 45.9 85.3
49 112.8 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 5.021 ug/L

RT: 3.369 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

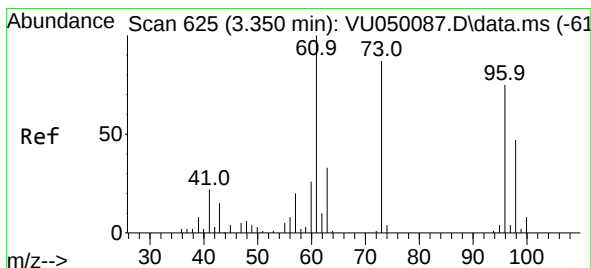
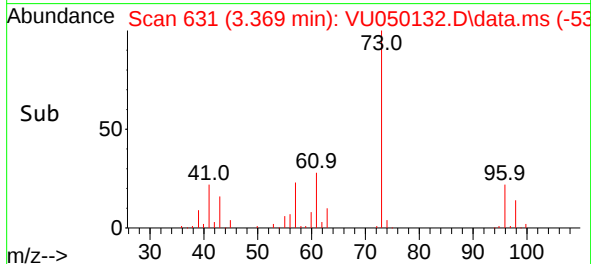
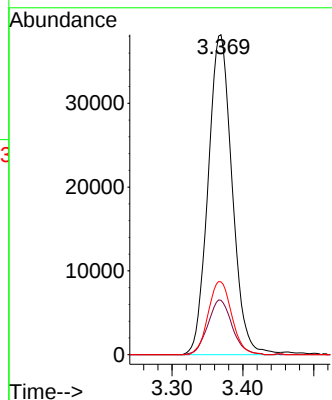
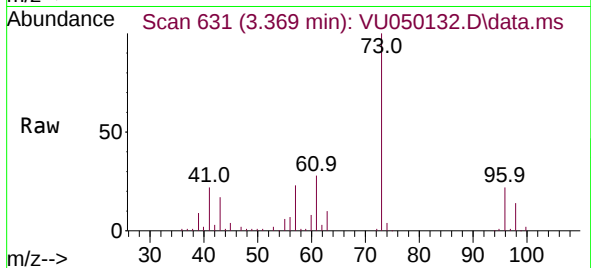
Tgt Ion: 73 Resp: 89792

Ion Ratio Lower Upper

73 100

43 17.3 13.5 20.3

57 22.5 17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 5.205 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

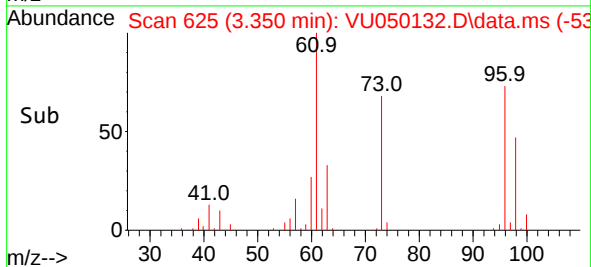
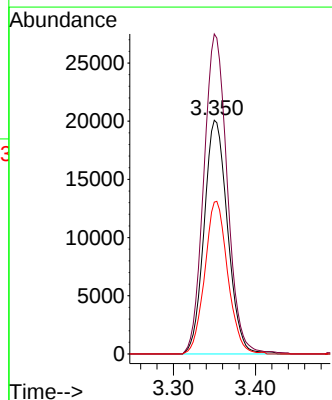
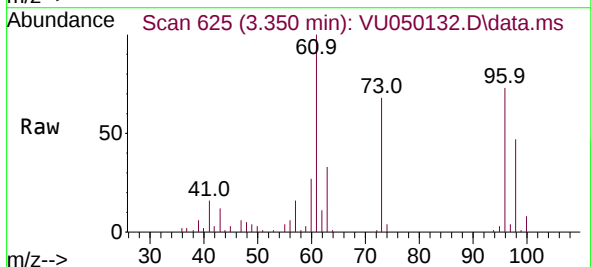
Tgt Ion: 96 Resp: 39931

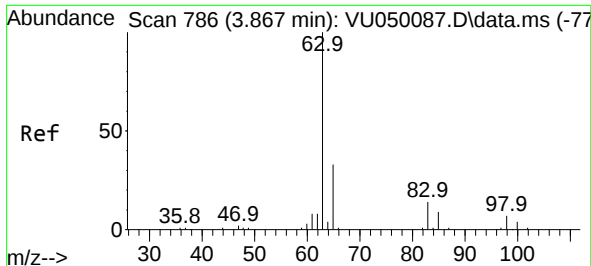
Ion Ratio Lower Upper

96 100

61 136.9 92.3 171.5

98 64.9 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.130 ug/L

RT: 3.867 min Scan# 74539

Delta R.T. -0.003 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

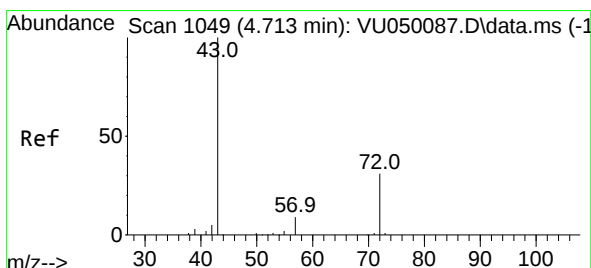
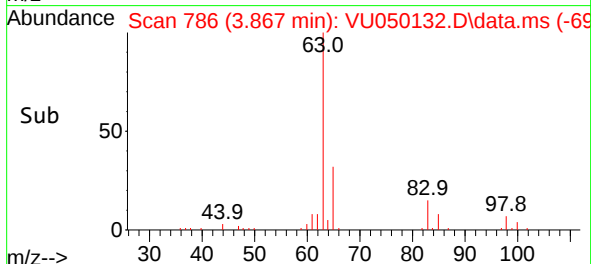
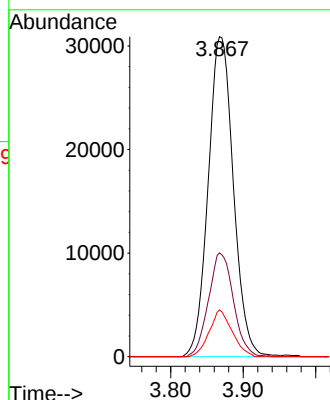
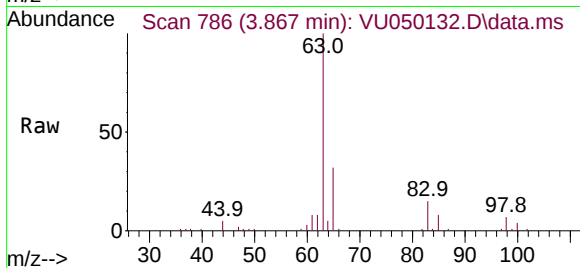
Tgt Ion: 63 Resp: 74539

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

83 14.6 9.8 18.2



#21

2-Butanone

Concen: 58.450 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.013 min

Lab File: VU050132.D

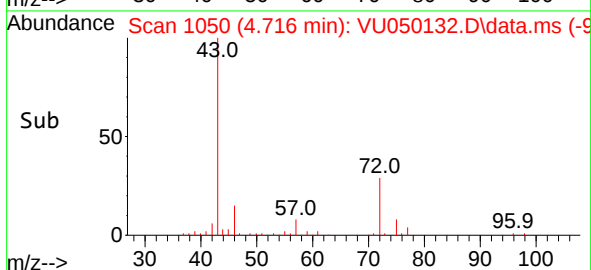
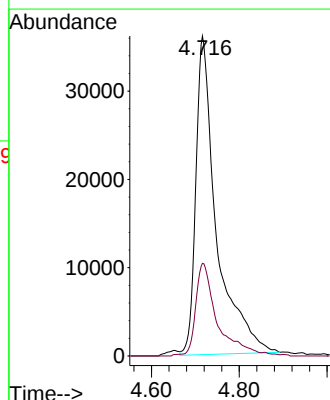
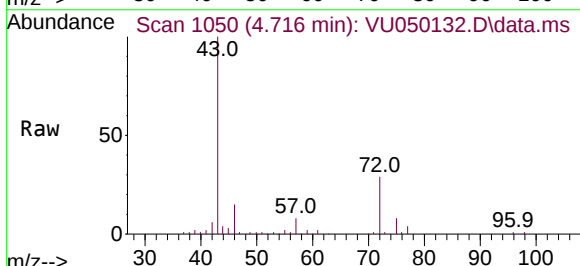
Acq: 08 Aug 2022 12:44

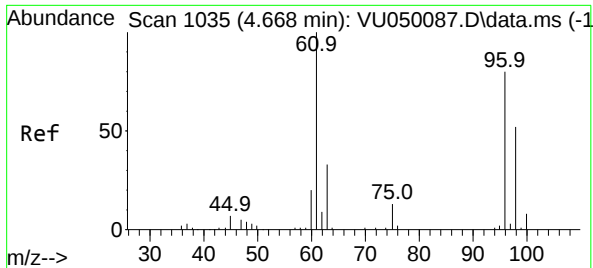
Tgt Ion: 43 Resp: 117762

Ion Ratio Lower Upper

43 100

72 30.0 14.0 42.0

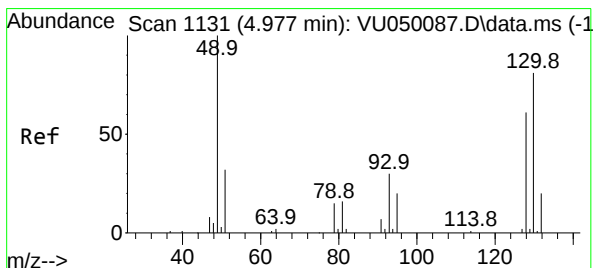
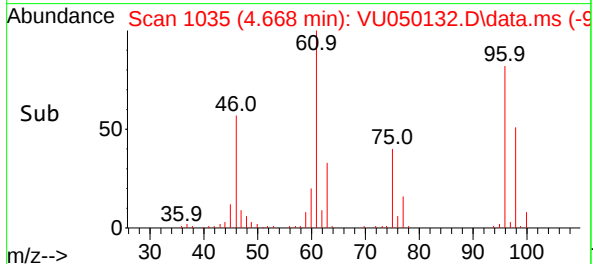
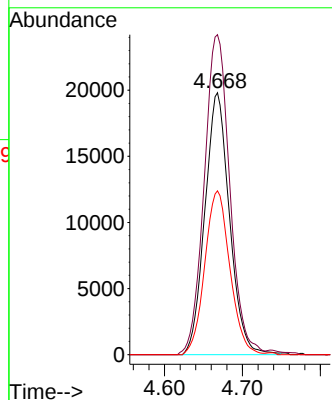
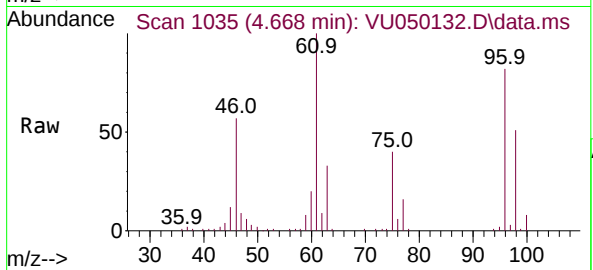




#22
 cis-1,2-Dichloroethene
 Concen: 5.114 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

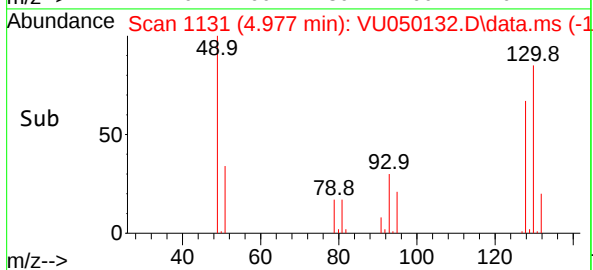
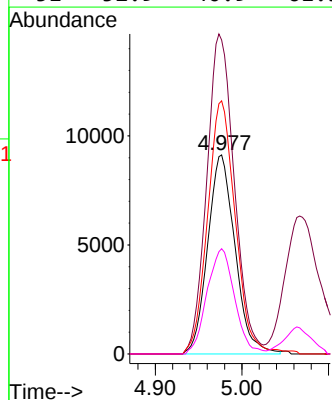
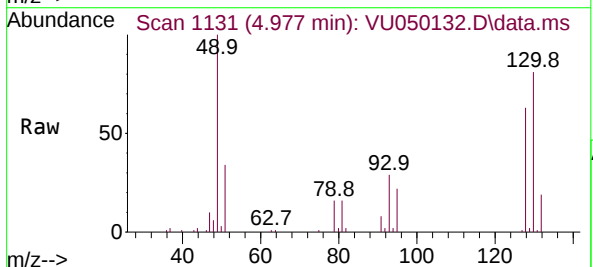
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

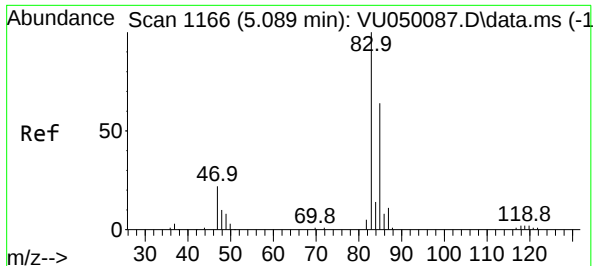
Tgt Ion: 96 Resp: 43553
 Ion Ratio Lower Upper
 96 100
 61 122.2 89.0 165.4
 98 62.5 45.2 84.0



#23
 Bromochloromethane
 Concen: 4.917 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

Tgt Ion: 128 Resp: 20012
 Ion Ratio Lower Upper
 128 100
 49 157.7 111.4 206.8
 130 127.1 90.2 167.4
 51 52.9 40.9 61.3





#25

Chloroform

Concen: 5.044 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

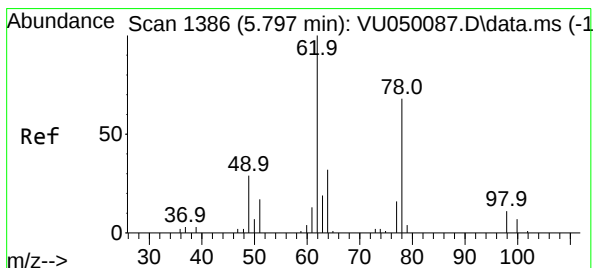
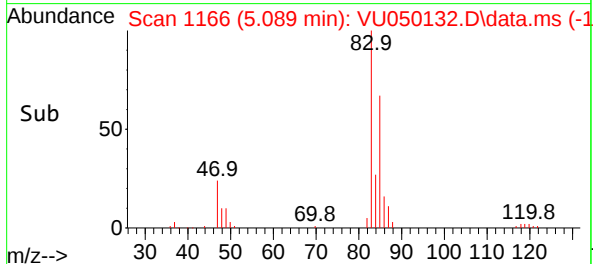
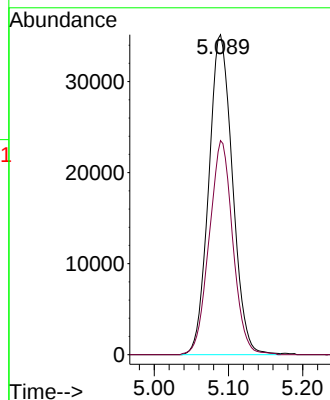
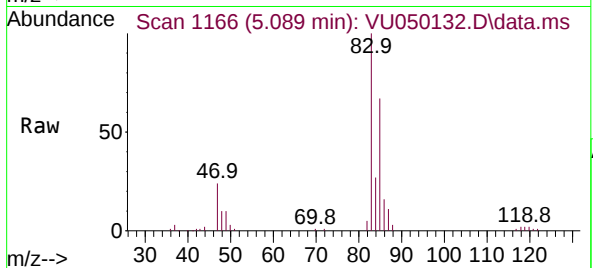
VSTD005151

Tgt Ion: 83 Resp: 78129

Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.914 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050132.D

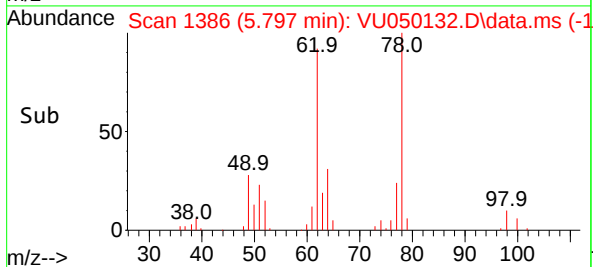
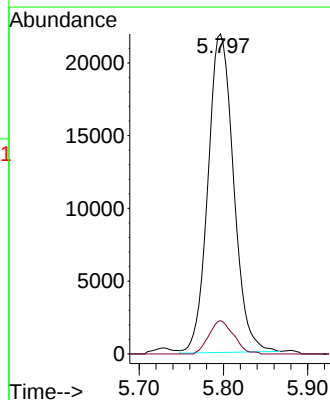
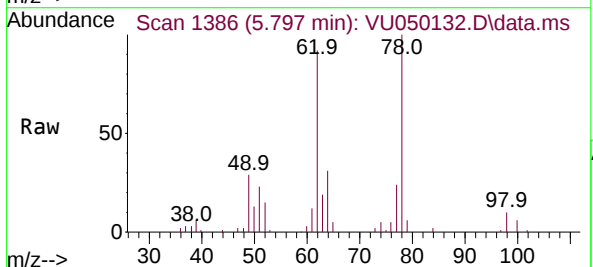
Acq: 08 Aug 2022 12:44

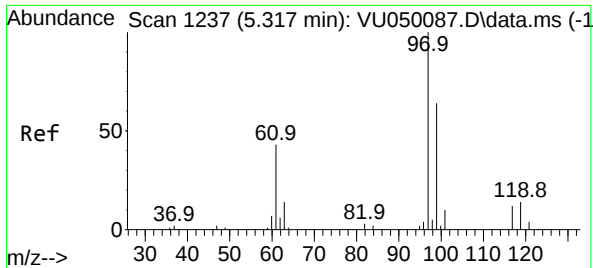
Tgt Ion: 62 Resp: 46325

Ion Ratio Lower Upper

62 100

98 10.4 7.8 11.8

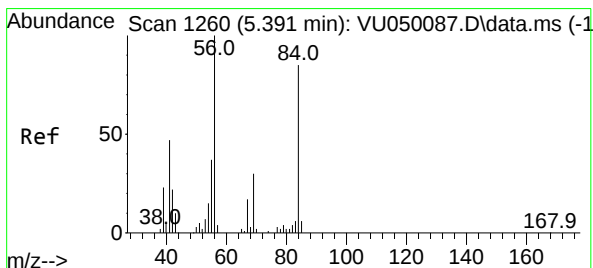
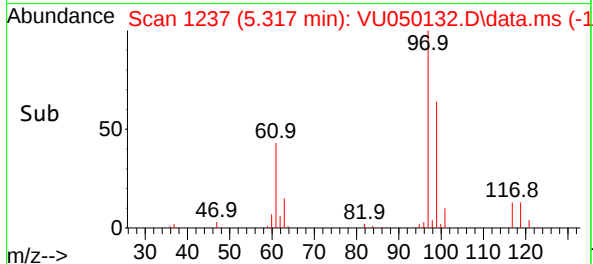
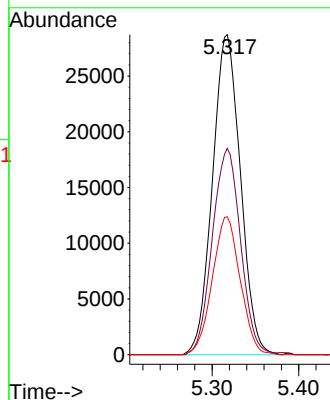
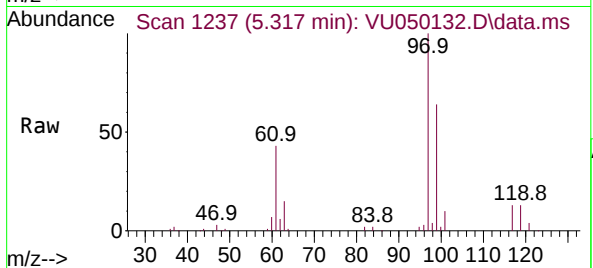




#29
1,1,1-Trichloroethane
Concen: 5.489 ug/L
RT: 5.317 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

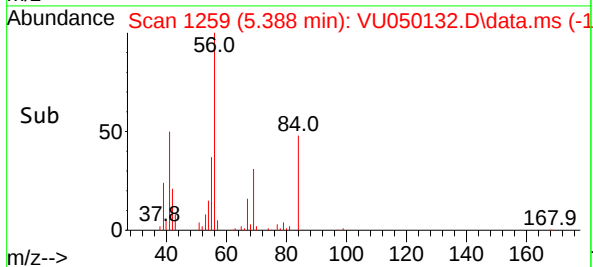
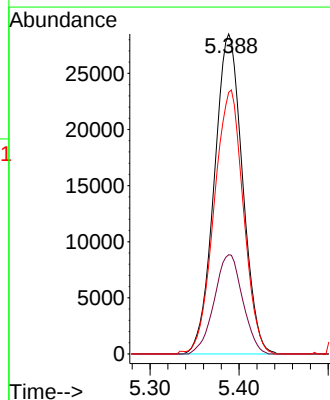
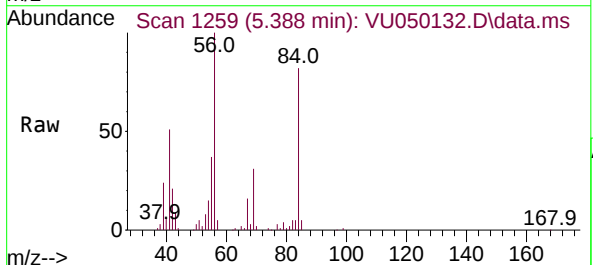
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

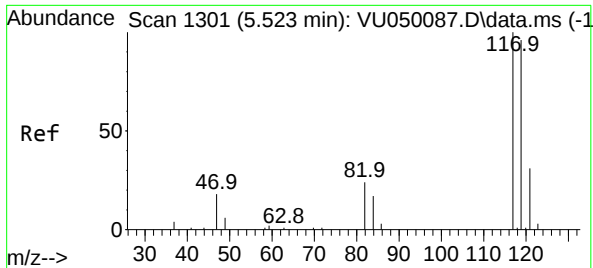
Tgt Ion:	97	Resp:	64507
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	43.0	34.2	51.4



#30
Cyclohexane
Concen: 6.125 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion:	56	Resp:	62720
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	37.0
84	85.5	69.1	103.7

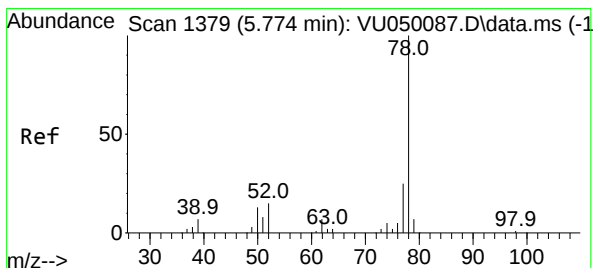
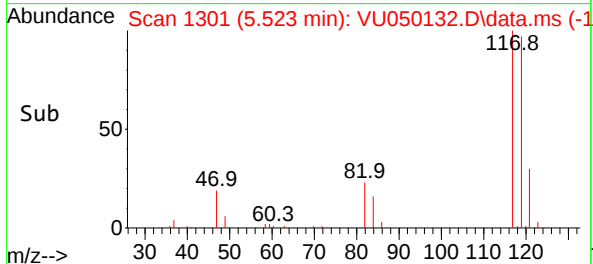
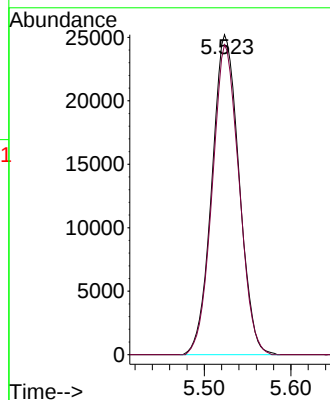
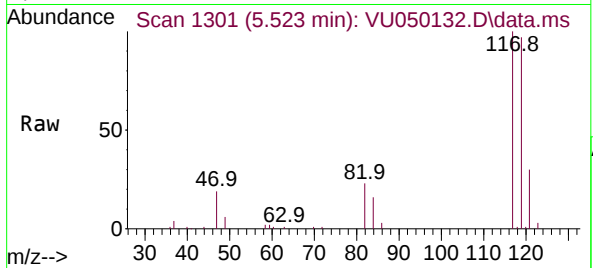




#31
Carbon tetrachloride
Concen: 5.698 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

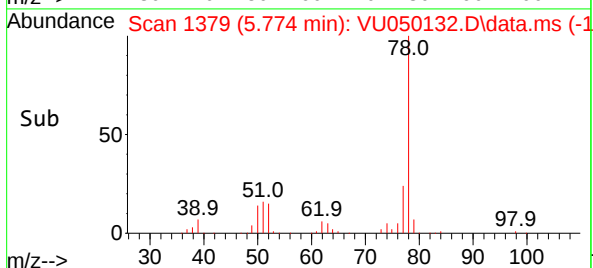
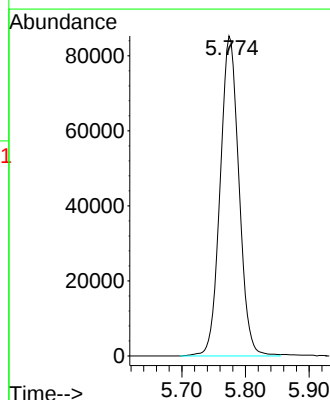
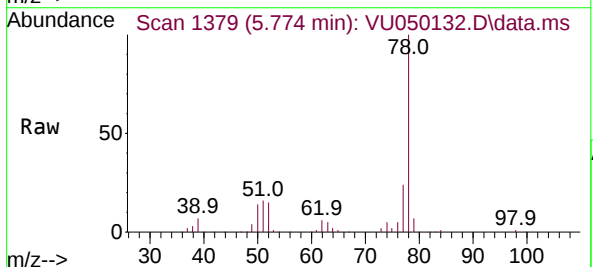
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

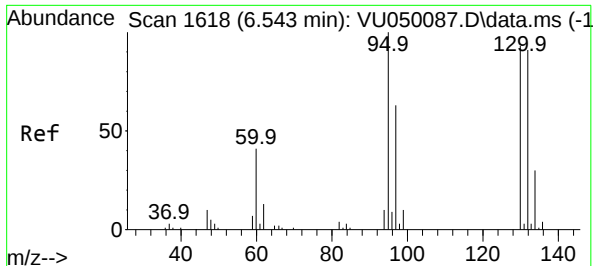
Tgt Ion:117 Resp: 54892
Ion Ratio Lower Upper
117 100
119 95.3 76.0 114.0



#33
Benzene
Concen: 5.218 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion: 78 Resp: 175152



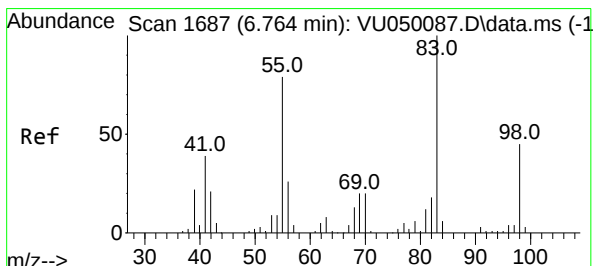
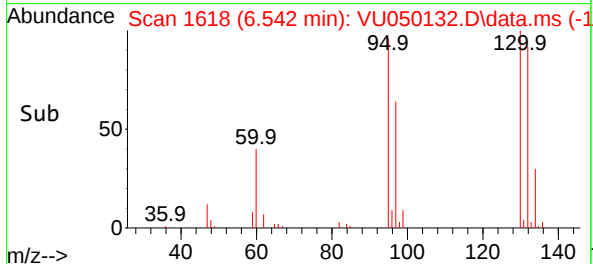
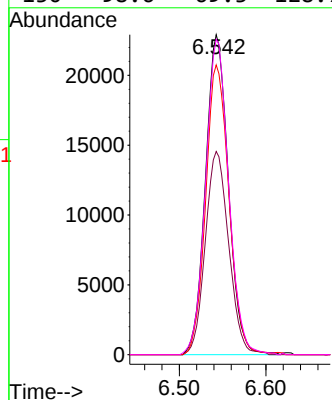
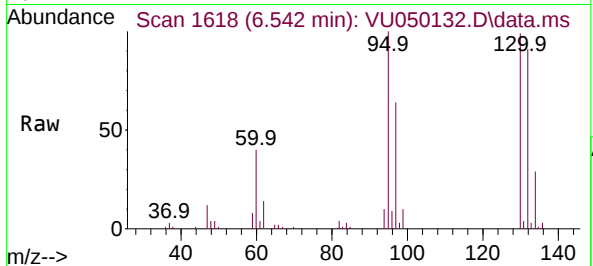


#34
Trichloroethene
Concen: 5.192 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

Tgt Ion: 95 Resp: 42149

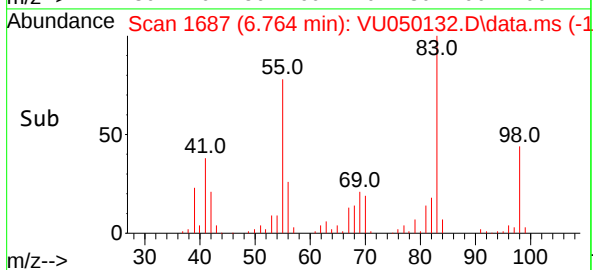
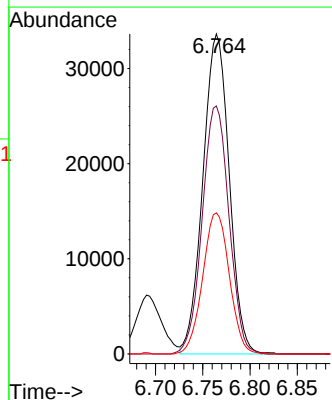
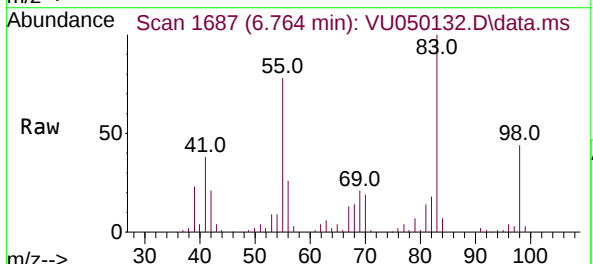
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.6	84.8
132	90.6	65.0	120.6
130	98.6	69.3	128.7

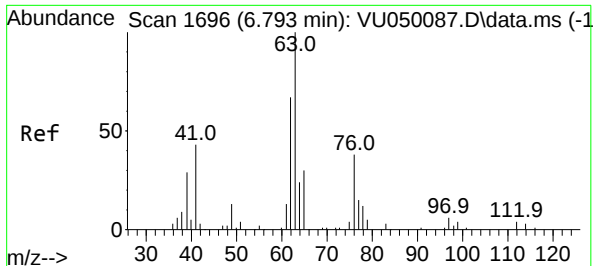


#35
Methylcyclohexane
Concen: 6.224 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion: 83 Resp: 65220

Ion	Ratio	Lower	Upper
83	100		
55	78.8	62.7	94.1
98	44.6	36.2	54.2





#37

1,2-Dichloropropane

Concen: 5.192 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

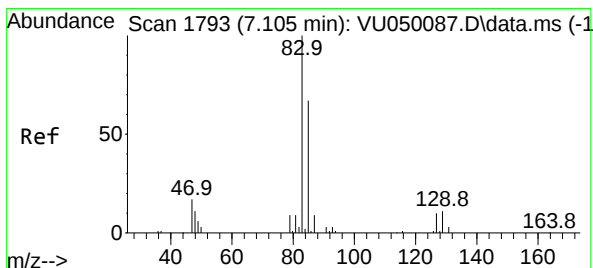
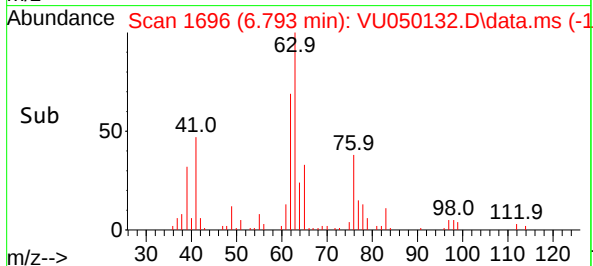
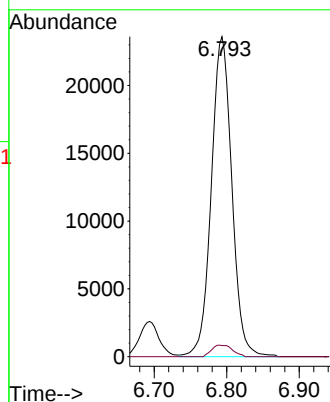
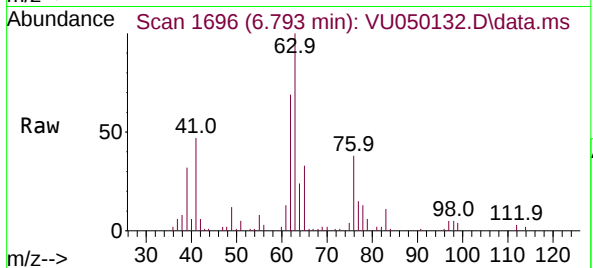
VSTD005151

Tgt Ion: 63 Resp: 46419

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 5.074 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

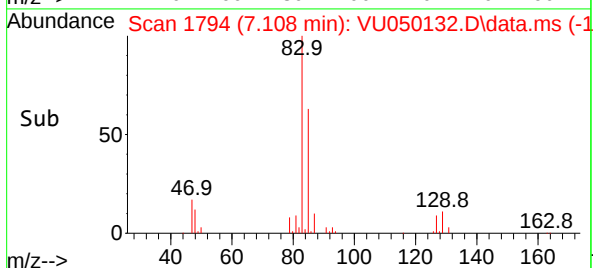
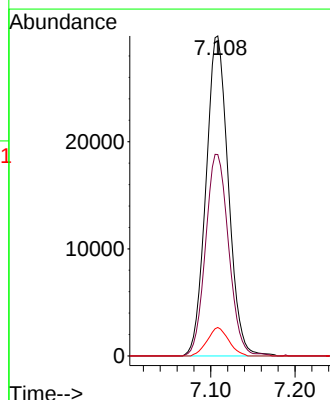
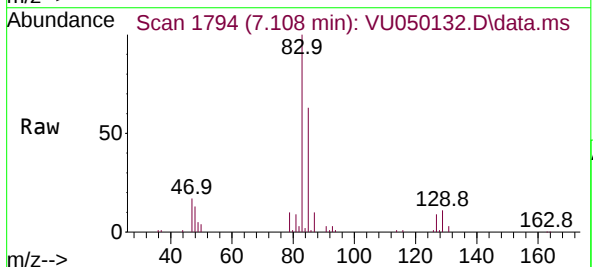
Tgt Ion: 83 Resp: 55104

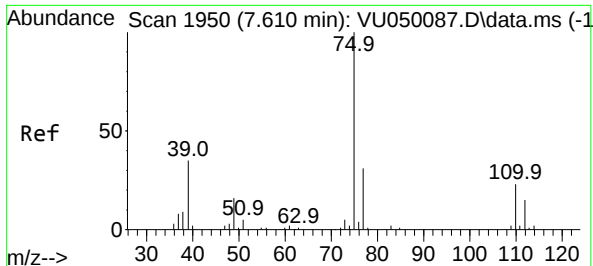
Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.7

127 8.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

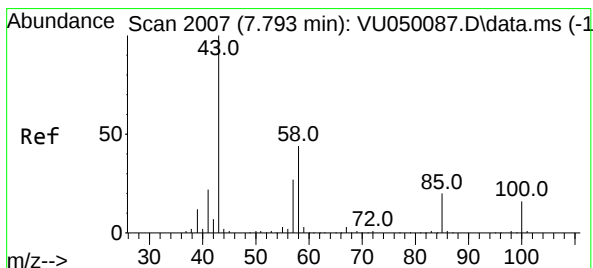
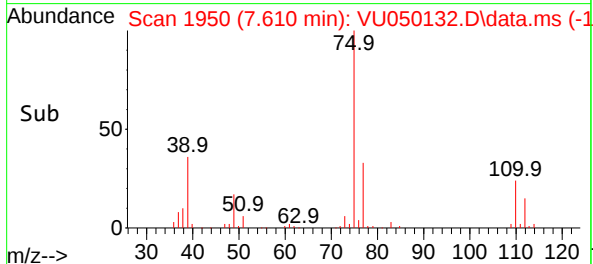
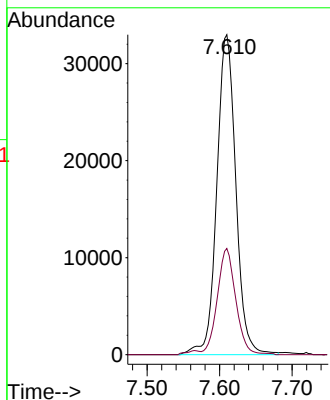
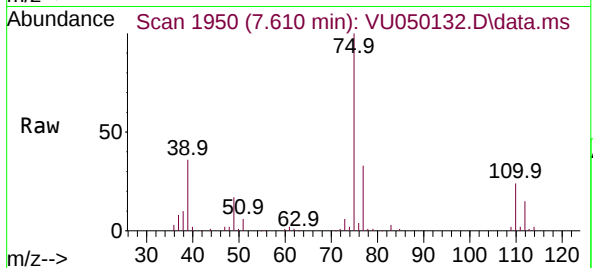
VSTD005151

Tgt Ion: 75 Resp: 60197

Ion Ratio Lower Upper

75 100

77 33.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 53.048 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

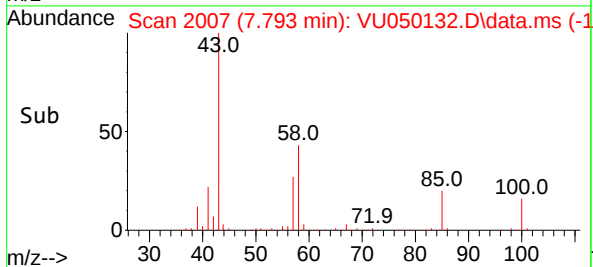
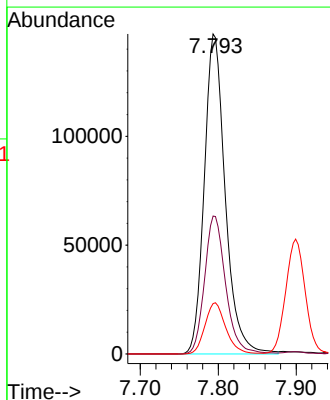
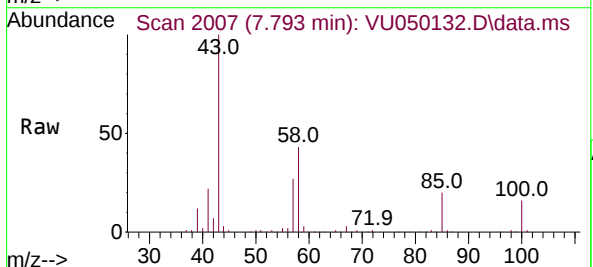
Tgt Ion: 43 Resp: 274715

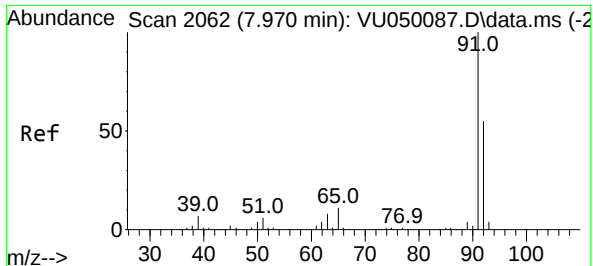
Ion Ratio Lower Upper

43 100

58 43.4 34.6 51.8

100 16.0 13.0 19.4





#42

Toluene

Concen: 5.424 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

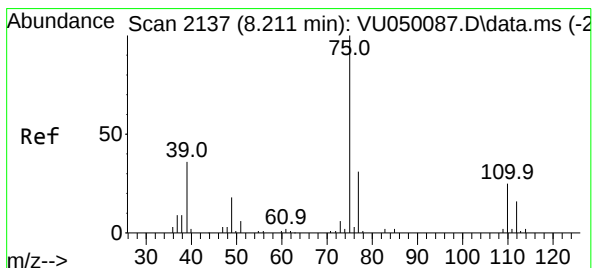
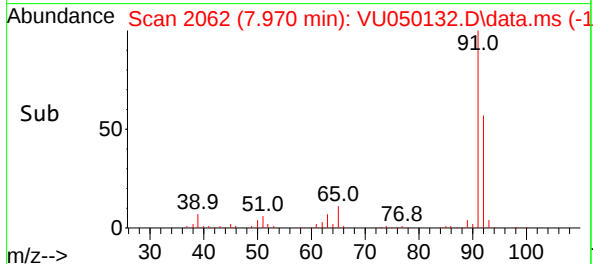
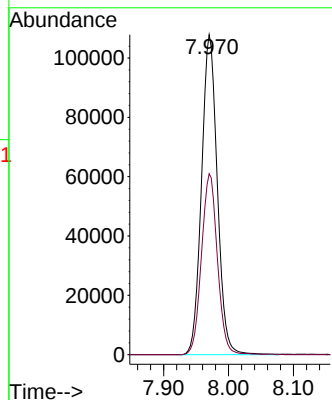
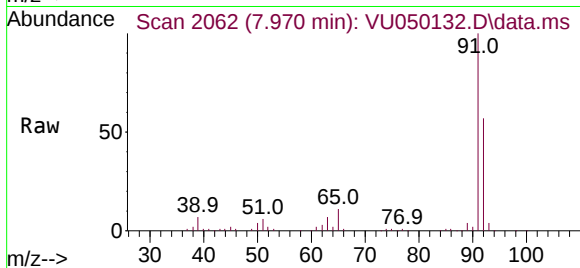
VSTD005151

Tgt Ion: 91 Resp: 182608

Ion Ratio Lower Upper

91 100

92 56.5 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 5.181 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050132.D

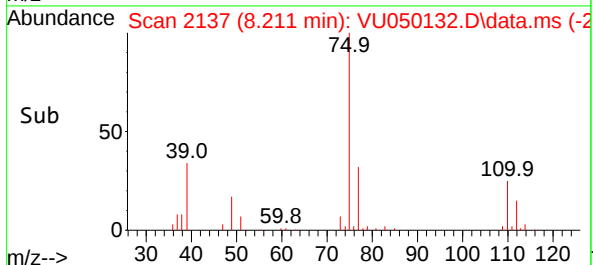
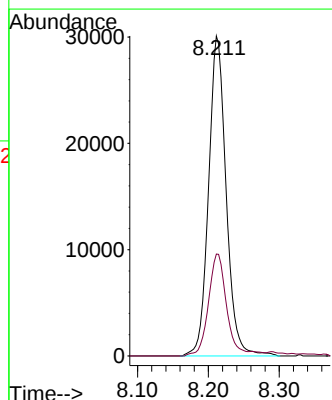
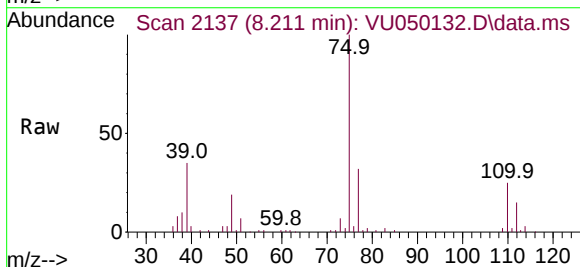
Acq: 08 Aug 2022 12:44

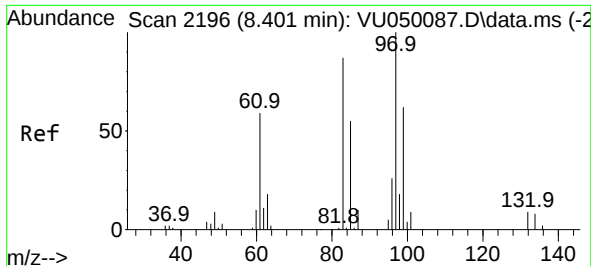
Tgt Ion: 75 Resp: 51853

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8

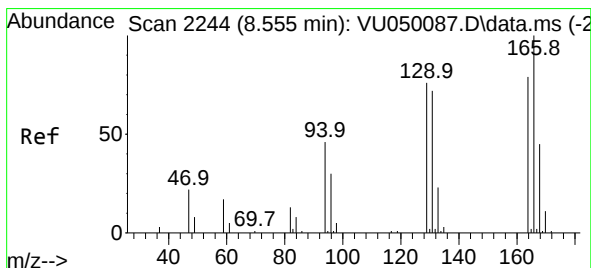
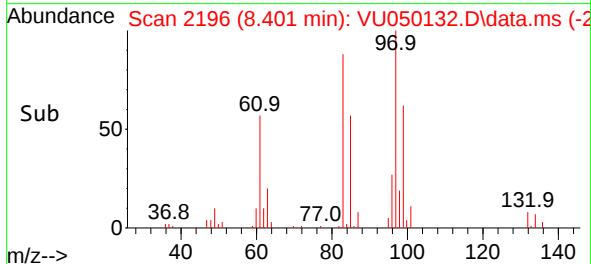
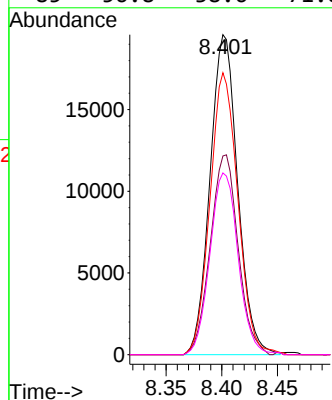
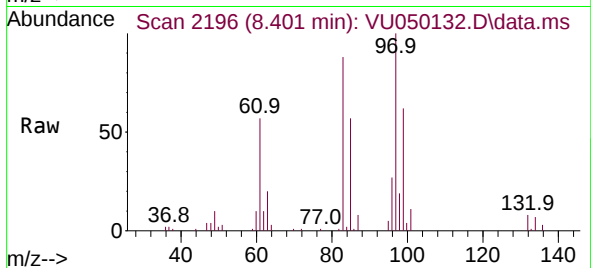




#45
1,1,2-Trichloroethane
Concen: 5.066 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

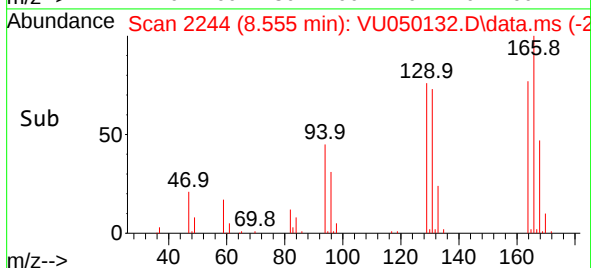
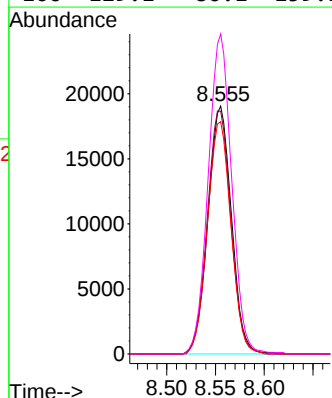
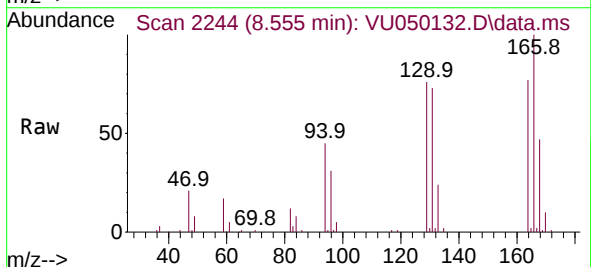
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

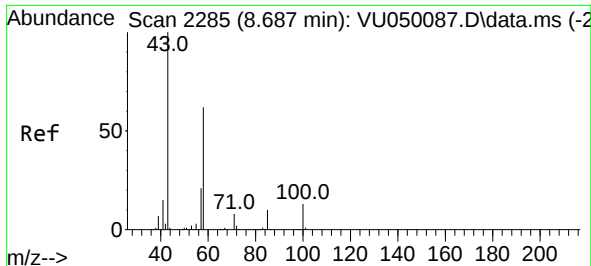
Tgt Ion:	97	Resp:	33860
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.2	78.4
83	88.1	59.6	110.6
85	56.8	38.6	71.8



#47
Tetrachloroethene
Concen: 5.491 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion:	164	Resp:	31937
Ion	Ratio	Lower	Upper
164	100		
129	97.9	69.0	128.1
131	93.7	65.8	122.2
166	129.1	86.1	159.9

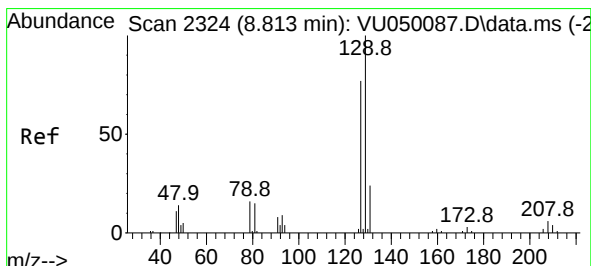
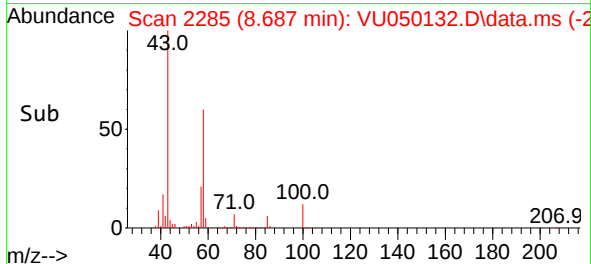
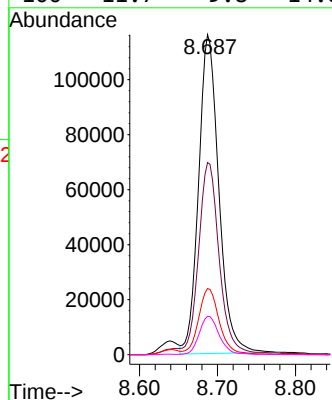
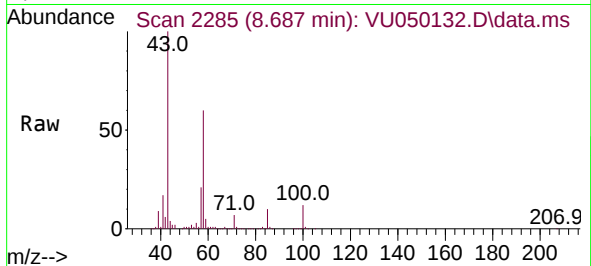




#48
2-Hexanone
Concen: 52.233 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

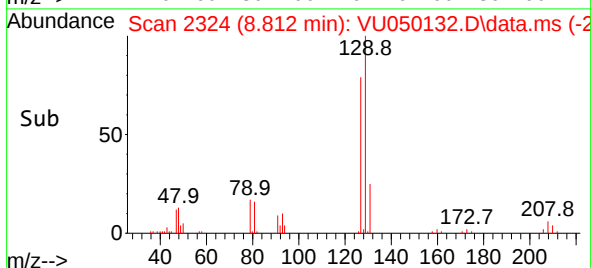
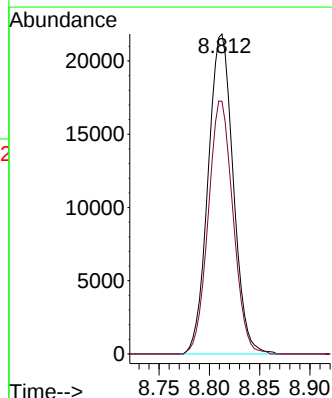
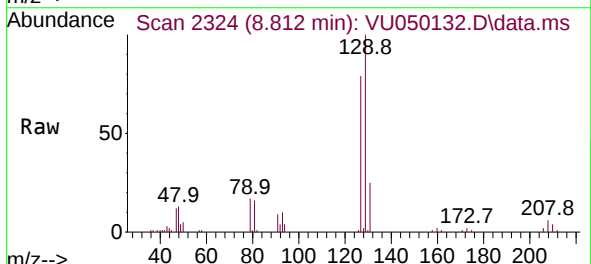
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

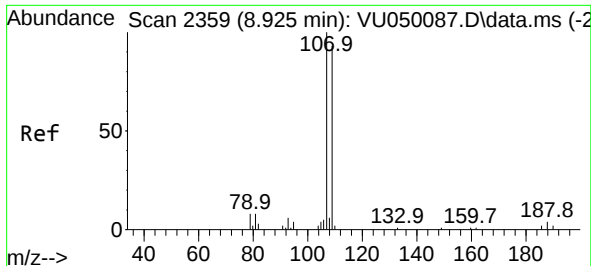
Tgt Ion: 43 Resp: 209210
Ion Ratio Lower Upper
43 100
58 63.7 50.6 76.0
57 21.2 16.0 24.0
100 11.7 9.8 14.8



#49
Dibromochloromethane
Concen: 5.133 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion: 129 Resp: 37973
Ion Ratio Lower Upper
129 100
127 78.9 55.3 102.7





#50

1,2-Dibromoethane

Concen: 5.213 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

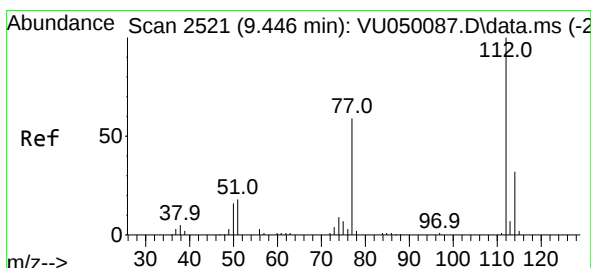
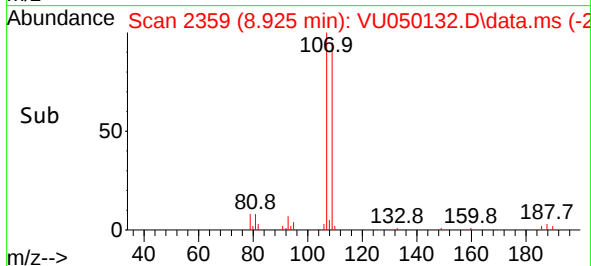
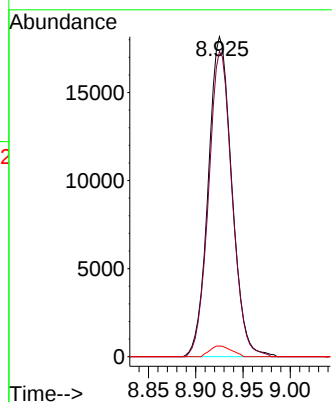
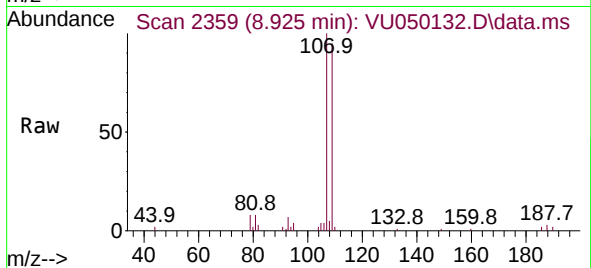
Tgt Ion:107 Resp: 31592

Ion Ratio Lower Upper

107 100

109 95.3 66.6 123.6

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 5.140 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

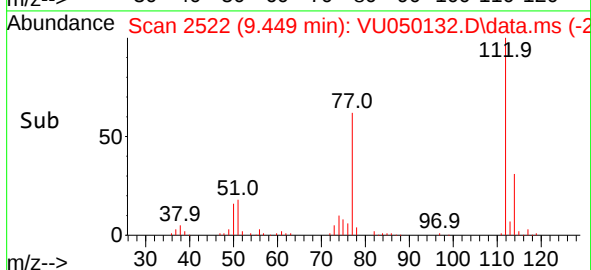
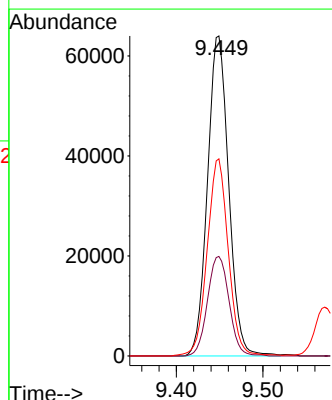
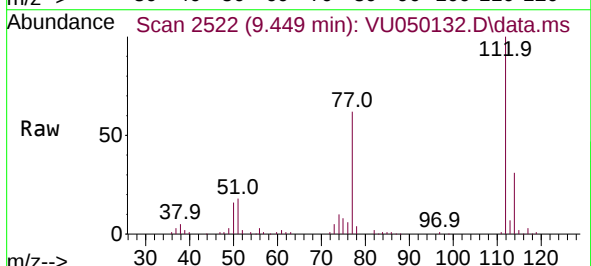
Tgt Ion:112 Resp: 108864

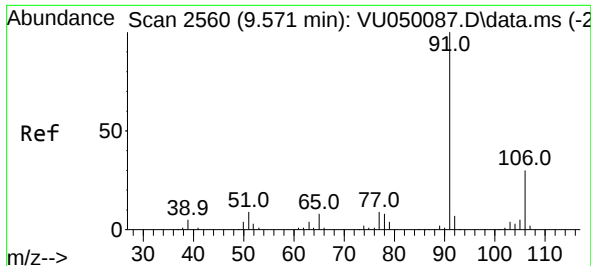
Ion Ratio Lower Upper

112 100

114 31.1 22.1 41.1

77 61.6 46.3 69.5





#52

Ethylbenzene

Concen: 5.340 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

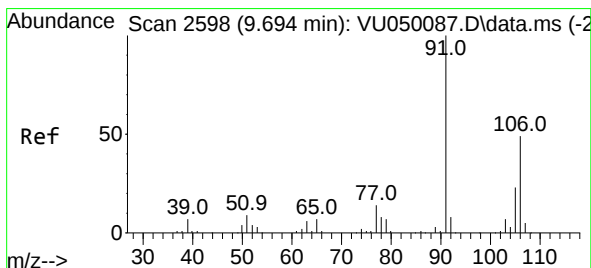
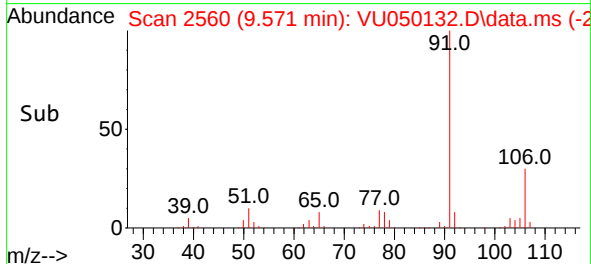
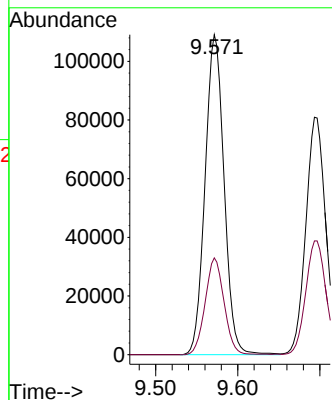
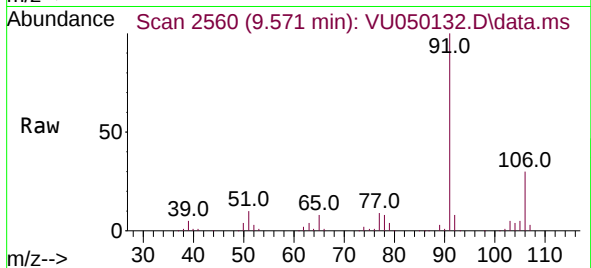
VSTD005151

Tgt Ion: 91 Resp: 175406

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



#53

m,p-Xylene

Concen: 5.467 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU050132.D

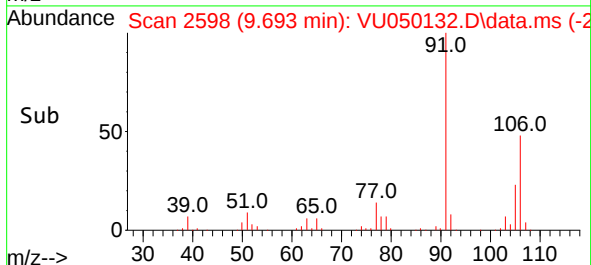
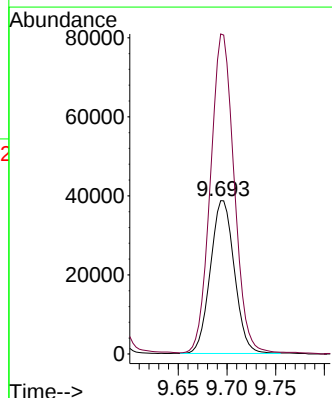
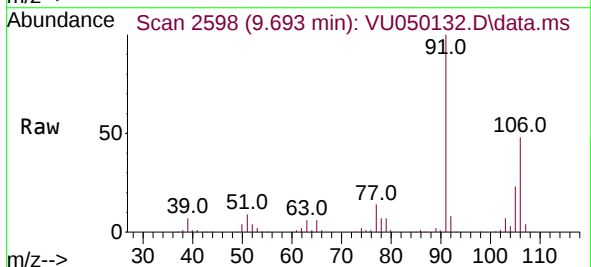
Acq: 08 Aug 2022 12:44

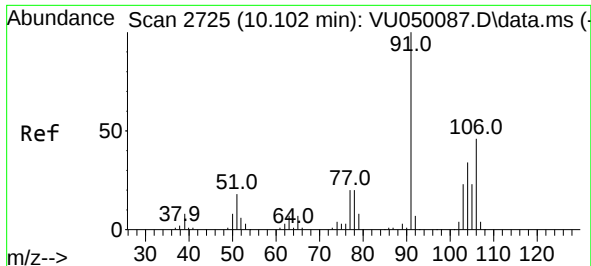
Tgt Ion: 106 Resp: 66138

Ion Ratio Lower Upper

106 100

91 208.8 143.1 265.9

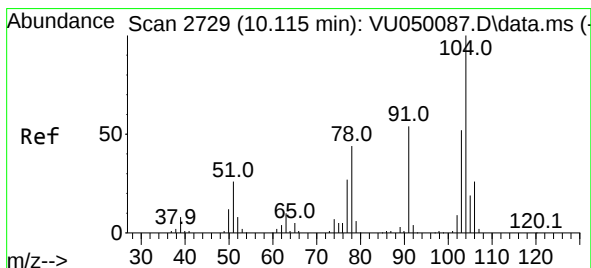
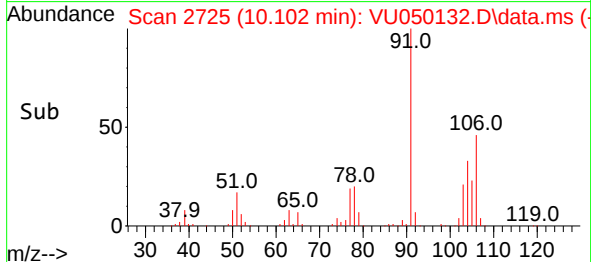
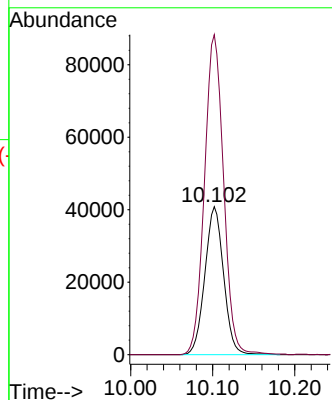
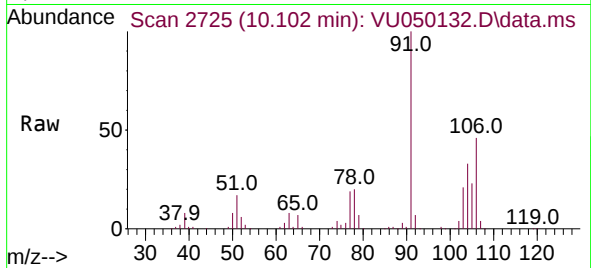




#54
o-Xylene
Concen: 5.370 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

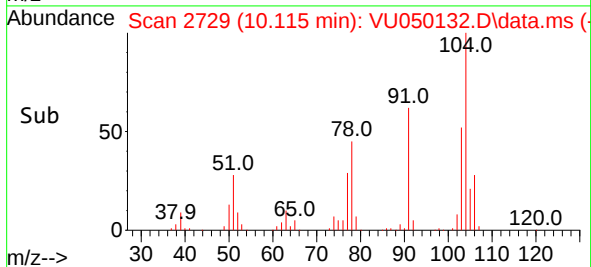
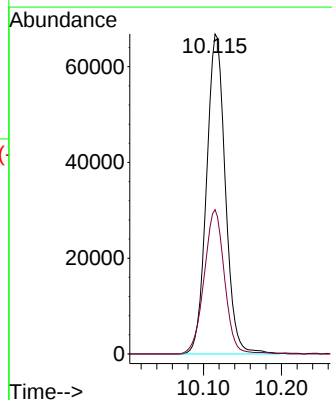
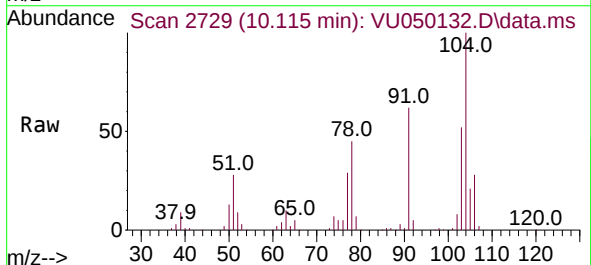
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

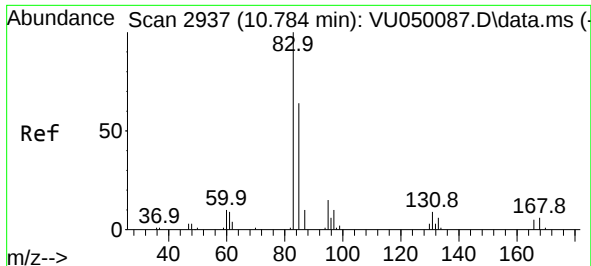
Tgt Ion:106 Resp: 64845
Ion Ratio Lower Upper
106 100
91 216.3 149.4 277.4



#55
Styrene
Concen: 5.552 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion:104 Resp: 112016
Ion Ratio Lower Upper
104 100
78 45.1 31.9 59.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.046 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

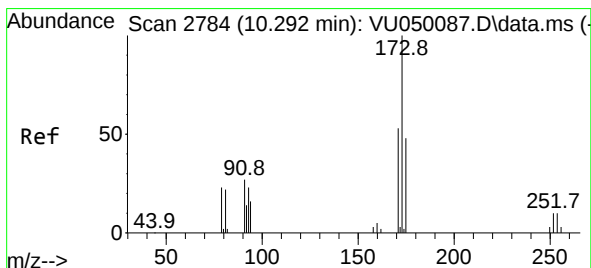
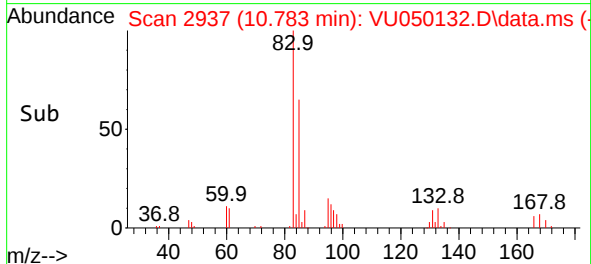
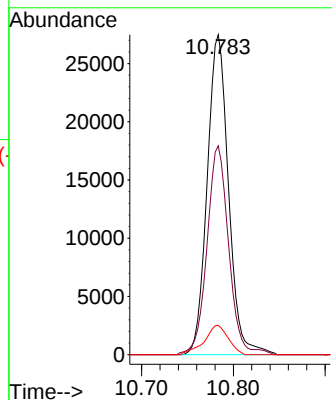
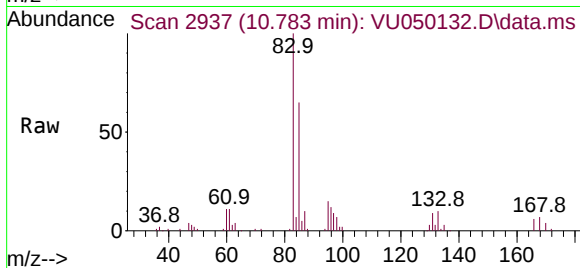
Tgt Ion: 83 Resp: 44315

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

131 9.2 6.6 9.8



#59

Bromoform

Concen: 4.768 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

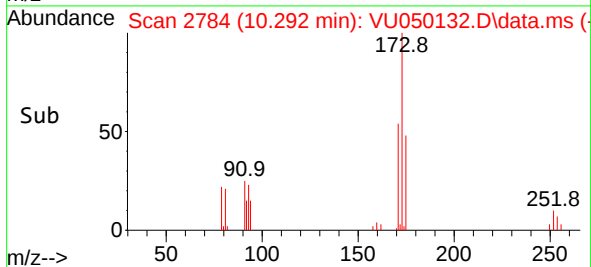
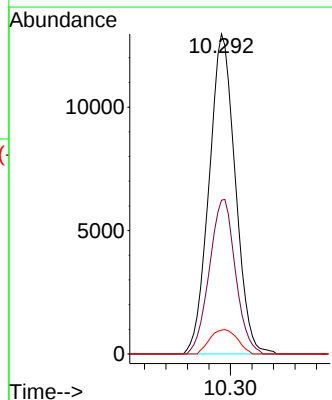
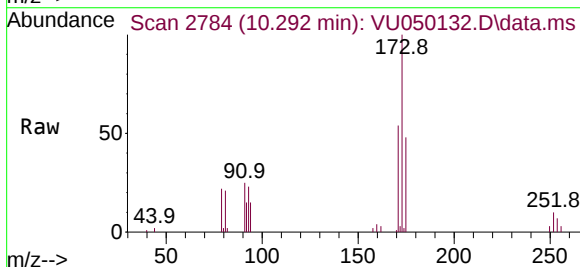
Tgt Ion: 173 Resp: 21878

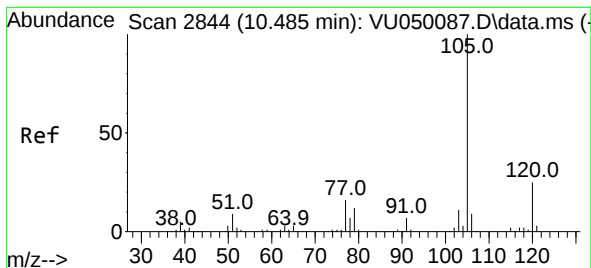
Ion Ratio Lower Upper

173 100

175 48.1 37.0 55.6

254 8.0 7.4 11.0





#60

Isopropylbenzene

Concen: 5.430 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

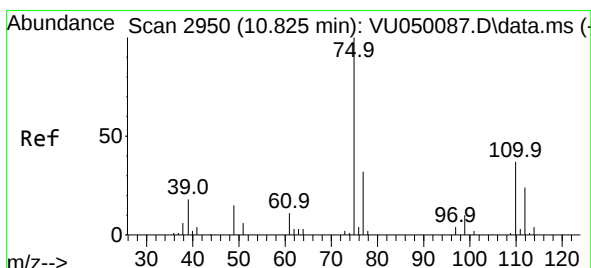
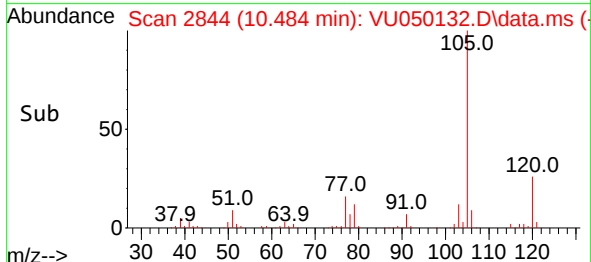
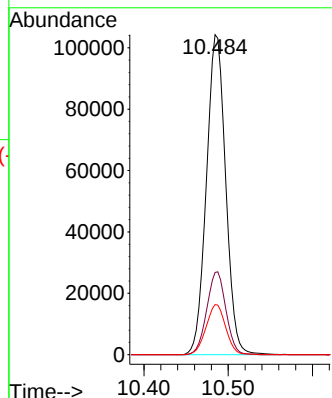
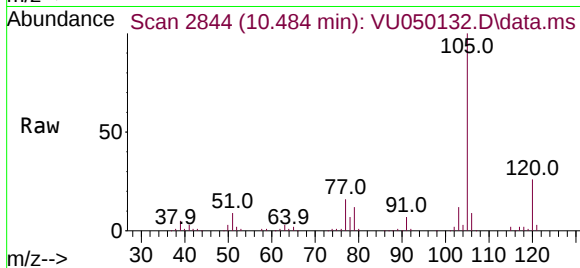
Tgt Ion:105 Resp: 165912

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.985 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

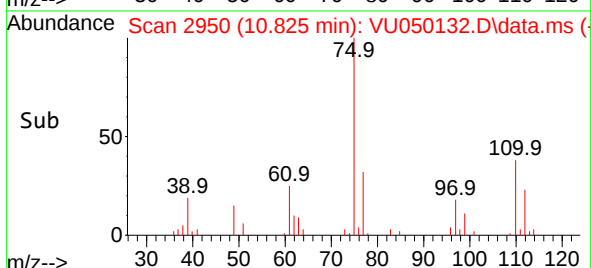
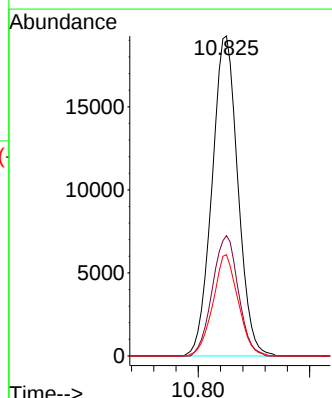
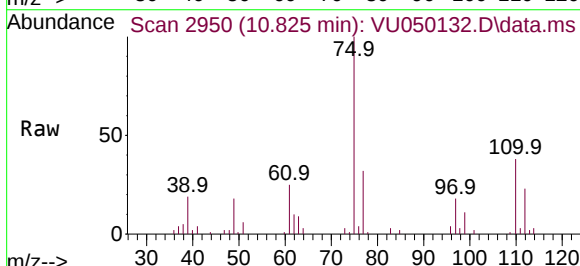
Tgt Ion: 75 Resp: 31069

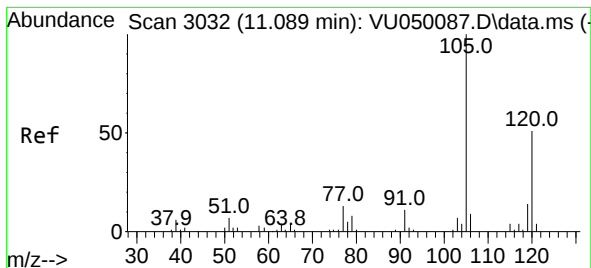
Ion Ratio Lower Upper

75 100

110 37.6 28.5 42.7

77 30.8 25.8 38.6





#62

1,3,5-Trimethylbenzene

Concen: 5.155 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

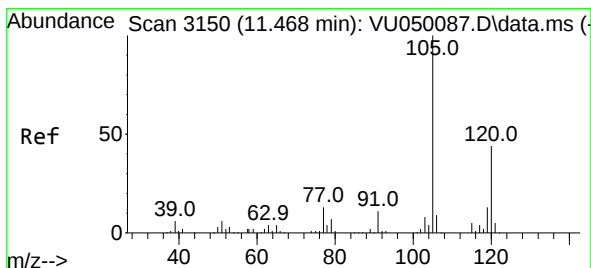
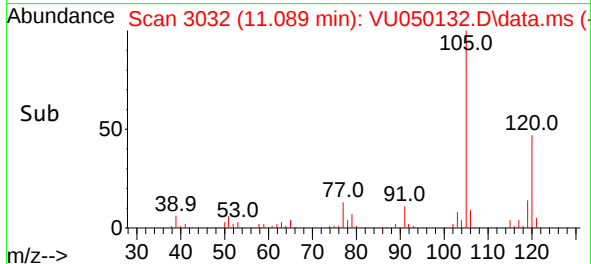
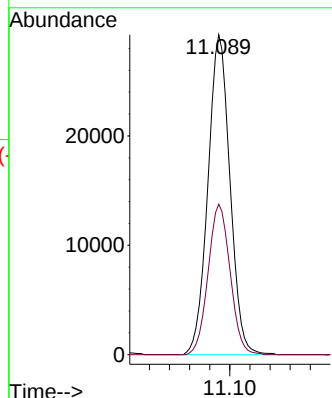
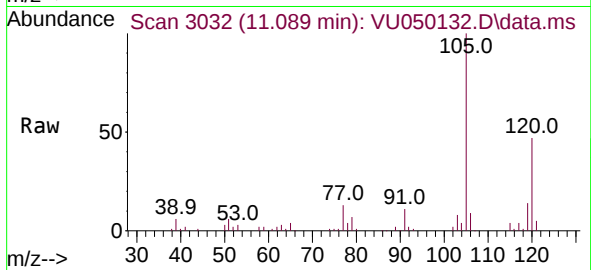
VSTD005151

Tgt Ion:105 Resp: 44499

Ion Ratio Lower Upper

105 100

120 46.9 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 5.278 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050132.D

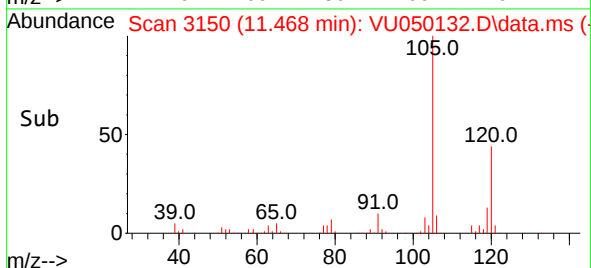
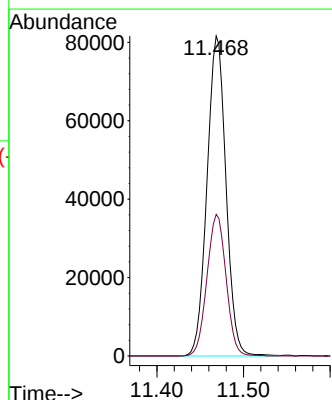
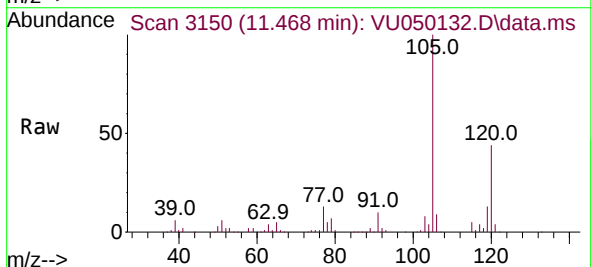
Acq: 08 Aug 2022 12:44

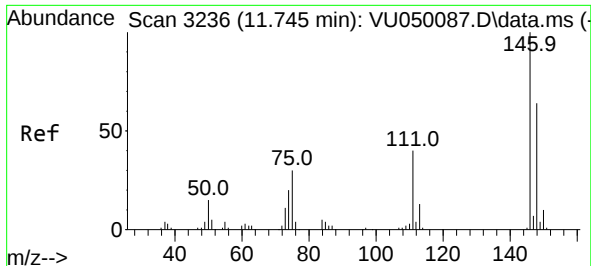
Tgt Ion:105 Resp: 124144

Ion Ratio Lower Upper

105 100

120 44.6 35.9 53.9

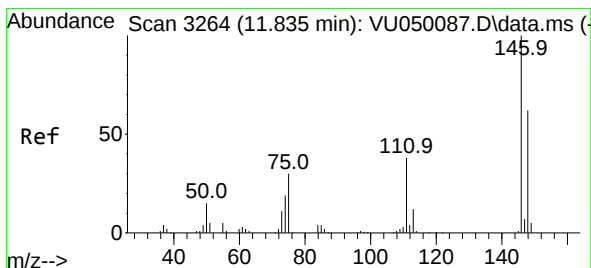
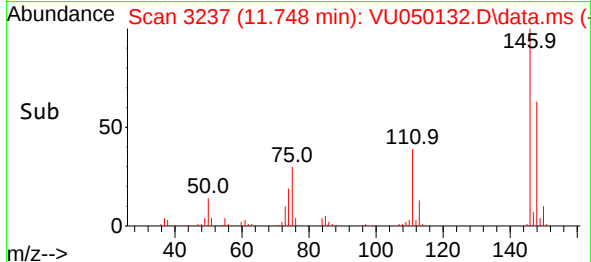
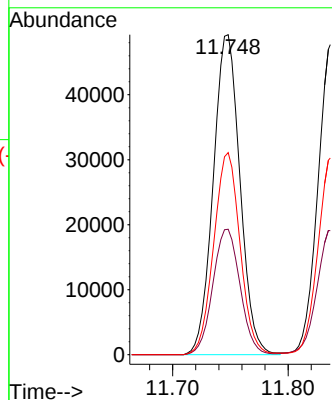
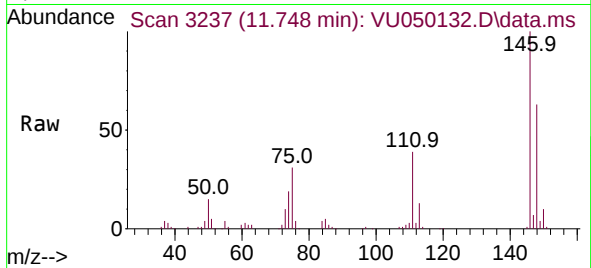




#64
1,3-Dichlorobenzene
Concen: 5.140 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

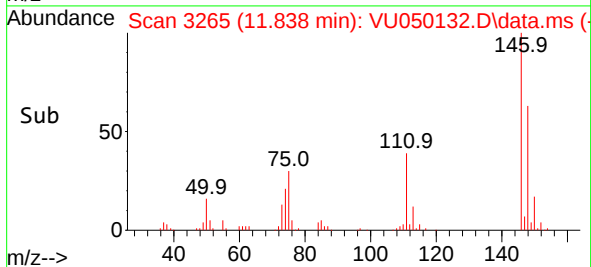
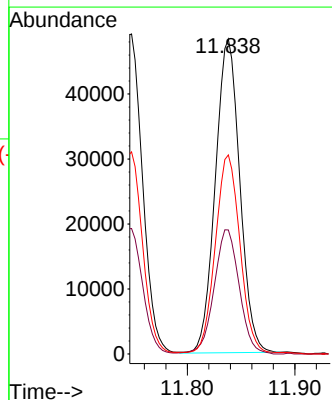
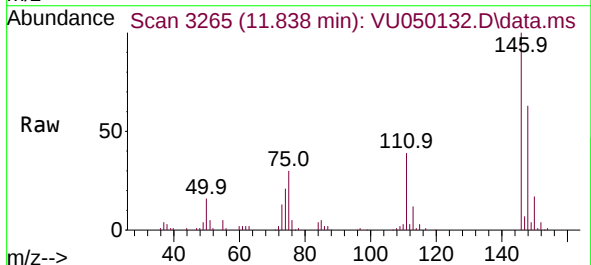
Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

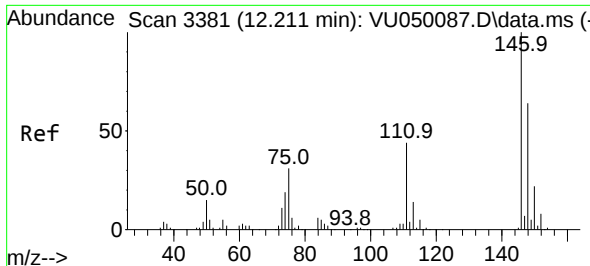
Tgt Ion:146 Resp: 79156
Ion Ratio Lower Upper
146 100
111 39.2 29.9 55.5
148 63.1 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 5.102 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion:146 Resp: 76451
Ion Ratio Lower Upper
146 100
111 39.4 28.1 52.1
148 63.2 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.107 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005151

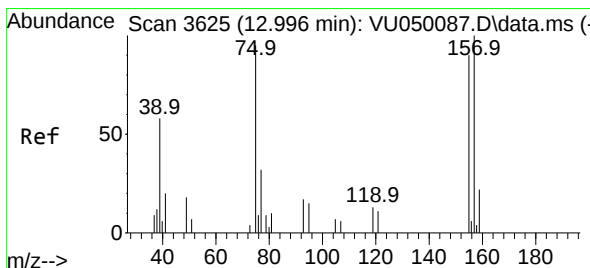
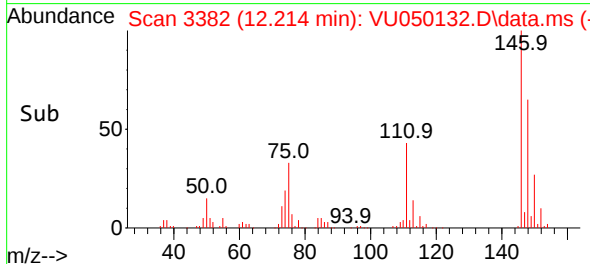
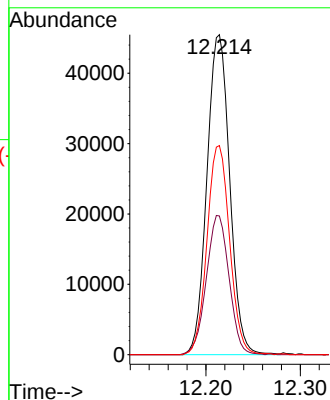
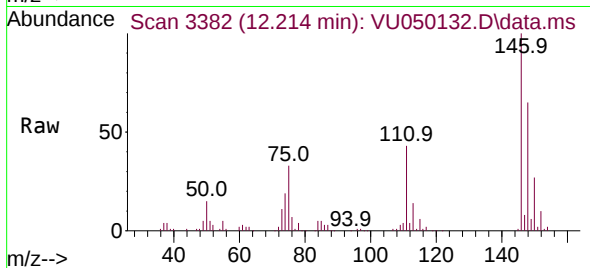
Tgt Ion:146 Resp: 76163

Ion Ratio Lower Upper

146 100

111 43.3 32.9 49.3

148 65.3 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.390 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050132.D

Acq: 08 Aug 2022 12:44

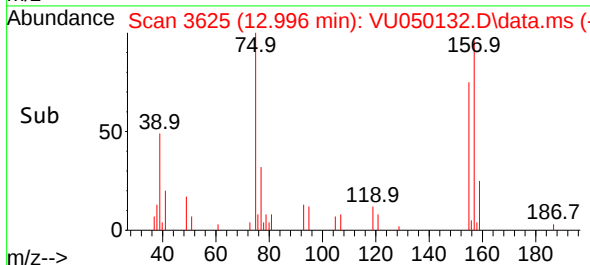
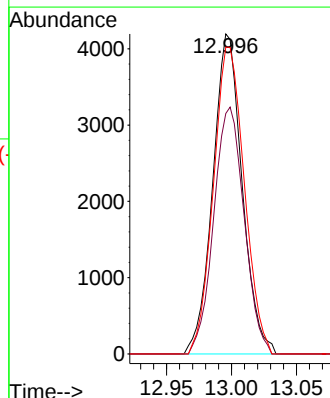
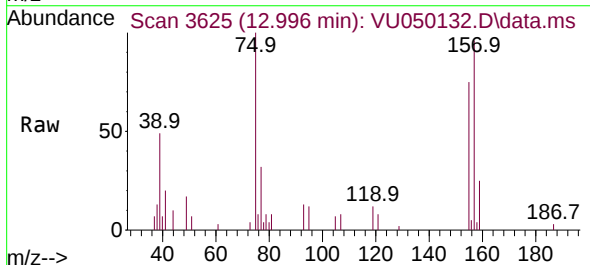
Tgt Ion: 75 Resp: 6587

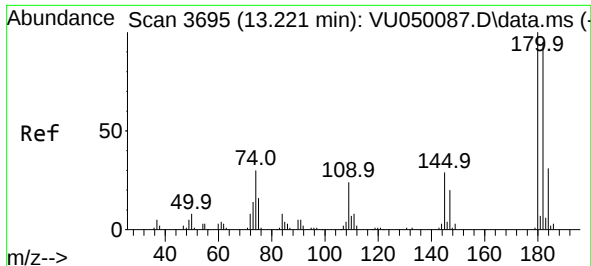
Ion Ratio Lower Upper

75 100

155 75.2 63.5 95.3

157 95.9 85.0 127.6

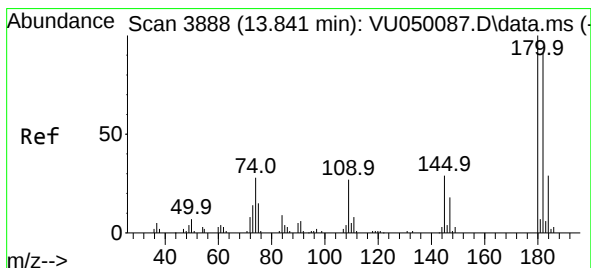
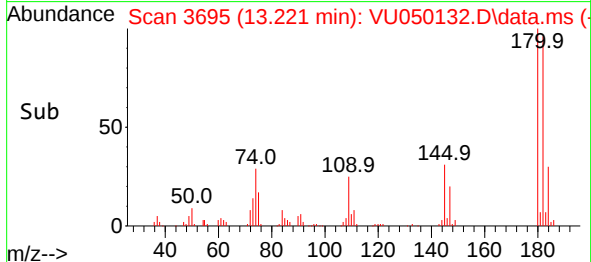
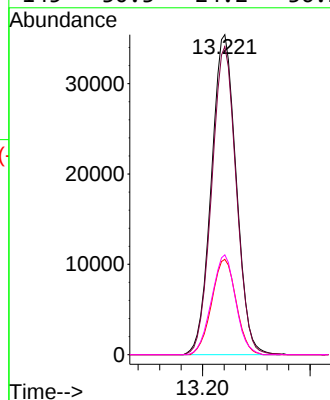
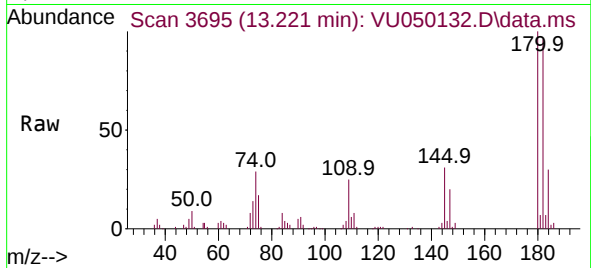




#69
 1,3,5-Trichlorobenzene
 Concen: 5.175 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

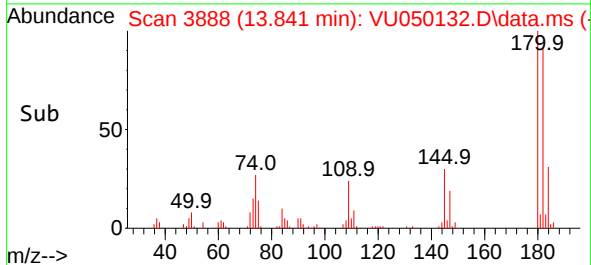
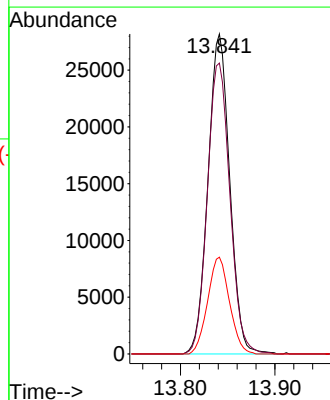
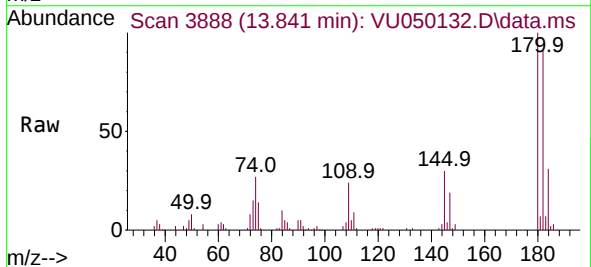
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005151

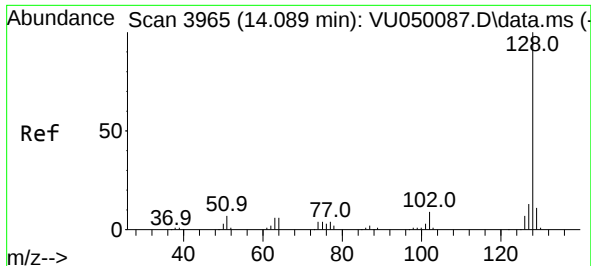
Tgt Ion:180	Resp:	56773
Ion Ratio	Lower	Upper
180	100	
182	95.2	77.3 115.9
184	29.4	24.1 36.1
145	30.3	24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.424 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050132.D
 Acq: 08 Aug 2022 12:44

Tgt Ion:180	Resp:	45083
Ion Ratio	Lower	Upper
180	100	
182	94.1	76.9 115.3
145	30.3	24.2 36.4

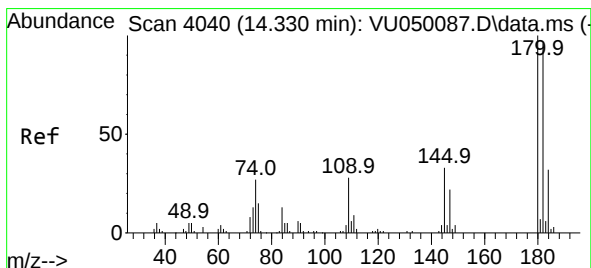
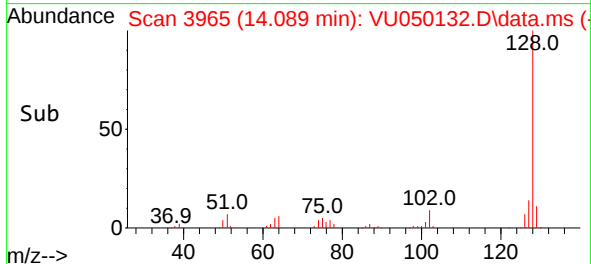
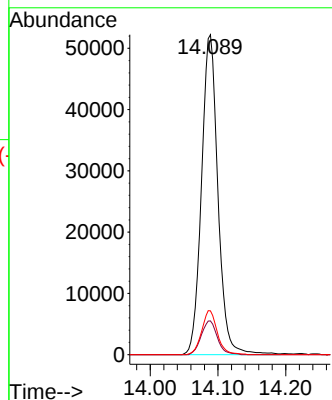
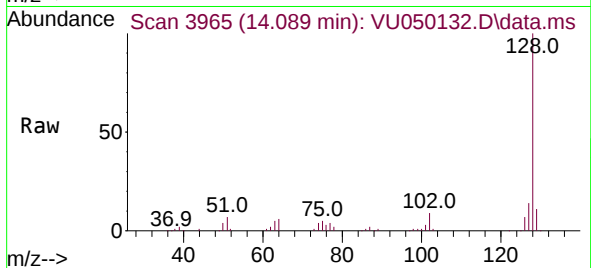




#71
Naphthalene
Concen: 5.156 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005151

Tgt Ion:128	Resp:	87886
Ion Ratio	Lower	Upper
128	100	
129	10.3	8.6 12.8
127	13.1	10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.431 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050132.D
Acq: 08 Aug 2022 12:44

Tgt Ion:180	Resp:	45762
Ion Ratio	Lower	Upper
180	100	
182	95.3	77.5 116.3
145	32.3	25.8 38.6

