

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081322\
 Data File : VU050330.D
 Acq On : 13 Aug 2022 19:56
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005162

Quant Time: Aug 14 01:29:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Aug 14 01:24:58 2022
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		6.250	114	88624	5.000	ug/L	0.00
28) Chlorobenzene-d5		9.417	117	87402	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.812	152	40590	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.597	65	42109	5.710	ug/L	0.00
Spiked Amount	5.000	Range 40	- 130	Recovery	=	114.200%	
7) Chloroethane-d5		1.906	69	34425	5.785	ug/L	0.00
Spiked Amount	5.000	Range 65	- 130	Recovery	=	115.800%	
11) 1,1-Dichloroethene-d2		2.565	65	15087	5.234	ug/L	0.00
Spiked Amount	5.000	Range 60	- 125	Recovery	=	104.600%	
20) 2-Butanone-d5		4.623	46	105398	58.602	ug/L	-0.02
Spiked Amount	50.000	Range 40	- 130	Recovery	=	117.200%	
24) Chloroform-d		5.063	84	75959	5.537	ug/L	0.00
Spiked Amount	5.000	Range 70	- 125	Recovery	=	110.800%	
26) 1,2-Dichloroethane-d4		5.700	65	38755	5.502	ug/L	0.00
Spiked Amount	5.000	Range 70	- 130	Recovery	=	110.000%	
32) Benzene-d6		5.726	84	146081	5.356	ug/L	0.00
Spiked Amount	5.000	Range 70	- 125	Recovery	=	107.200%	
36) 1,2-Dichloropropane-d6		6.690	67	48533	5.404	ug/L	0.00
Spiked Amount	5.000	Range 60	- 140	Recovery	=	108.000%	
41) Toluene-d8		7.899	98	130007	5.397	ug/L	0.00
Spiked Amount	5.000	Range 70	- 130	Recovery	=	108.000%	
43) trans-1,3-Dichloroprop...		8.179	79	17485	5.433	ug/L	0.00
Spiked Amount	5.000	Range 55	- 130	Recovery	=	108.600%	
46) 2-Hexanone-d5		8.632	63	68331	59.868	ug/L	0.00
Spiked Amount	50.000	Range 45	- 130	Recovery	=	119.740%	
56) 1,1,2,2-Tetrachloroeth...		10.755	84	42921	5.442	ug/L	0.00
Spiked Amount	5.000	Range 65	- 120	Recovery	=	108.800%	
66) 1,2-Dichlorobenzene-d4		12.192	152	41253	5.187	ug/L	0.00
Spiked Amount	5.000	Range 80	- 120	Recovery	=	103.800%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		1.385	85	36551	4.498	ug/L	99
3) Chloromethane		1.520	50	49989	4.703	ug/L	99
5) Vinyl chloride		1.604	62	50055	5.257	ug/L	99
6) Bromomethane		1.851	94	21791	3.585	ug/L	96
8) Chloroethane		1.928	64	29793	5.310	ug/L	100
9) Trichlorofluoromethane		2.134	101	53015	5.084	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...		2.578	101	29290	5.050	ug/L	97
12) 1,1-Dichloroethene		2.578	96	30108	4.915	ug/L	92
13) Acetone		2.629	43	63139	63.036	ug/L	92
14) Carbon disulfide		2.790	76	101055	4.619	ug/L	99
15) Methyl Acetate		2.951	43	16347	5.977	ug/L	95
16) Methylene chloride		3.044	84	45396	4.850	ug/L	98
17) Methyl tert-butyl Ether		3.366	73	82187	5.141	ug/L	99
18) trans-1,2-Dichloroethene		3.353	96	34161	4.980	ug/L	96
19) 1,1-Dichloroethane		3.871	63	69543	5.354	ug/L	100
21) 2-Butanone		4.703	43	107777	59.838	ug/L	97
22) cis-1,2-Dichloroethene		4.665	96	41236	5.416	ug/L	99
23) Bromochloromethane		4.973	128	19336	5.314	ug/L	97
25) Chloroform		5.089	83	73687	5.321	ug/L	100

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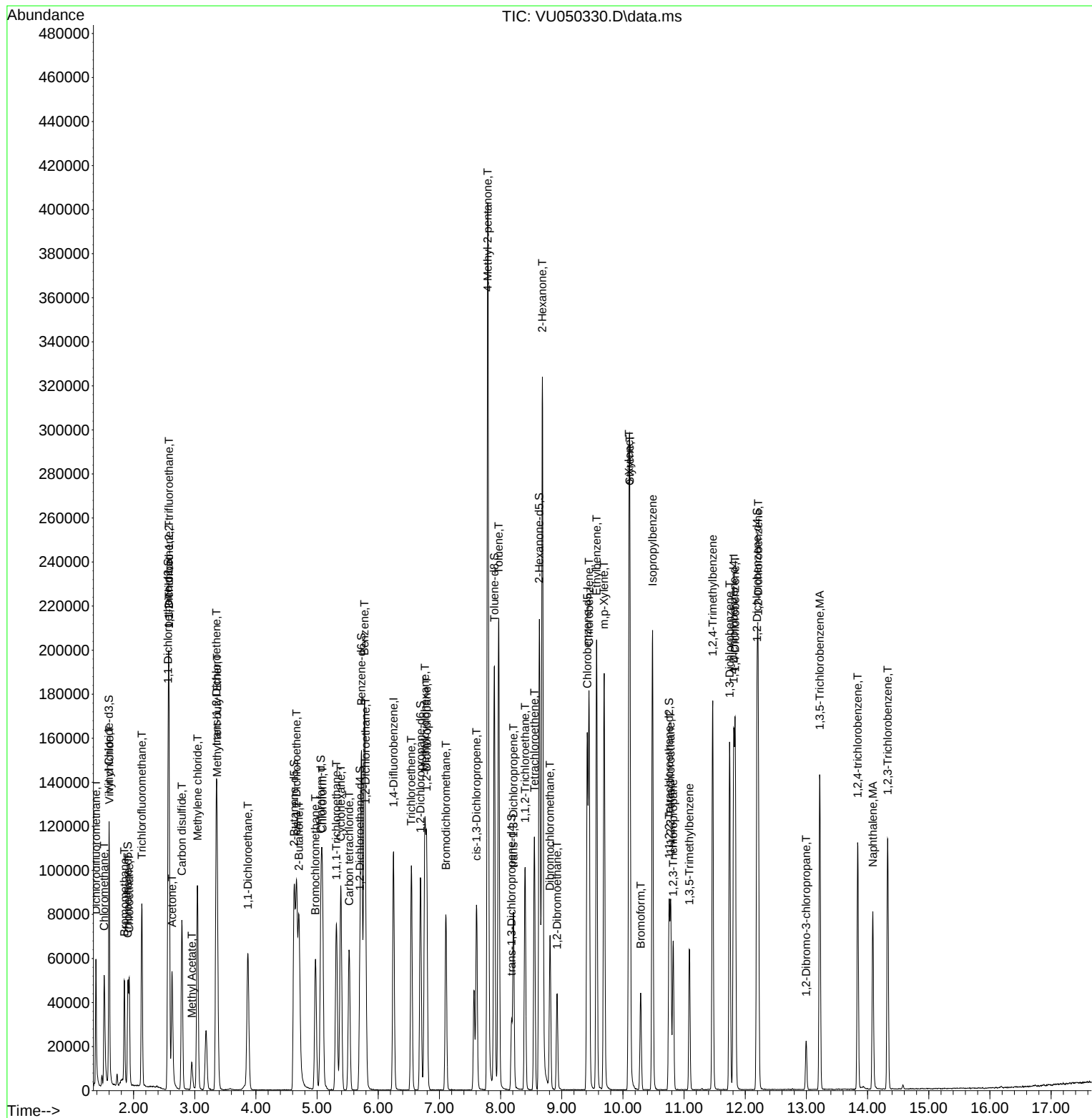
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	45545	5.404	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	55539	5.180	ug/L	98
30) Cyclohexane	5.388	56	40929	4.381	ug/L	99
31) Carbon tetrachloride	5.523	117	45026	5.123	ug/L	99
33) Benzene	5.774	78	157927	5.157	ug/L	100
34) Trichloroethene	6.539	95	36881	4.980	ug/L	93
35) Methylcyclohexane	6.764	83	41118	4.301	ug/L	96
37) 1,2-Dichloropropane	6.790	63	43380	5.318	ug/L	100
38) Bromodichloromethane	7.105	83	52699	5.319	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	51361	4.825	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	257852	54.578	ug/L	98
42) Toluene	7.970	91	160400	5.223	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	45874	5.025	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	32815	5.382	ug/L	97
47) Tetrachloroethene	8.552	164	25768	4.856	ug/L	98
48) 2-Hexanone	8.684	43	196064	53.656	ug/L	97
49) Dibromochloromethane	8.809	129	35525	5.264	ug/L	97
50) 1,2-Dibromoethane	8.925	107	29314	5.302	ug/L	98
51) Chlorobenzene	9.446	112	94222	4.876	ug/L	97
52) Ethylbenzene	9.571	91	140985	4.704	ug/L	100
53) m,p-Xylene	9.693	106	54742	4.960	ug/L	100
54) o-Xylene	10.099	106	54747	4.969	ug/L	98
55) Styrene	10.115	104	90842	4.936	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	42361	5.287	ug/L	99
59) Bromoform	10.291	173	20059	4.928	ug/L	97
60) Isopropylbenzene	10.484	105	131375	4.846	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	29066	5.257	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	34657	4.525	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	96096	4.605	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	67190	4.918	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	64501	4.852	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	66868	5.054	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	5979	5.515	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	44934	4.617	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	34849	4.726	ug/L	100
71) Naphthalene	14.086	128	66784	4.416	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	36392	4.868	ug/L	99

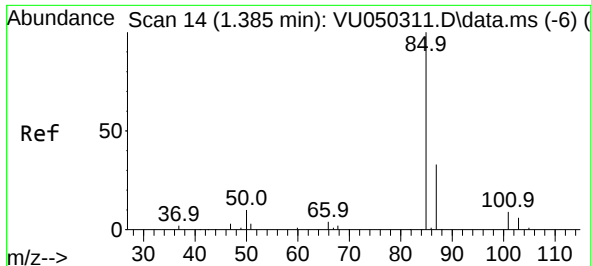
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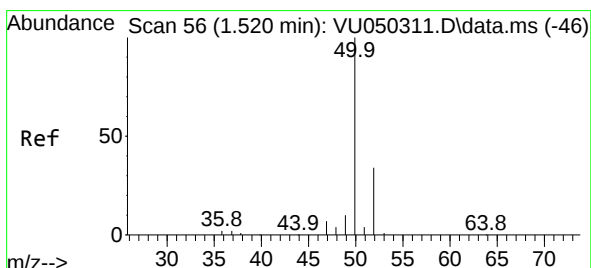
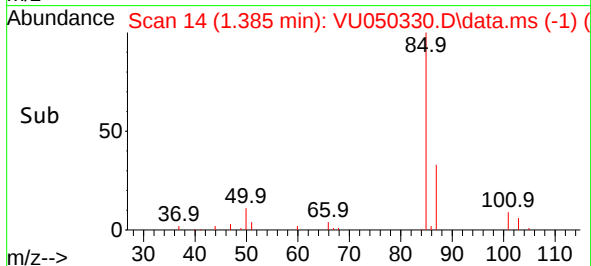
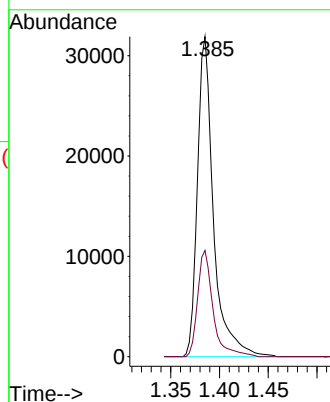
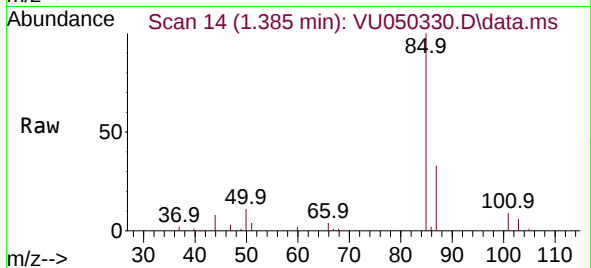




#2
Dichlorodifluoromethane
Concen: 4.498 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

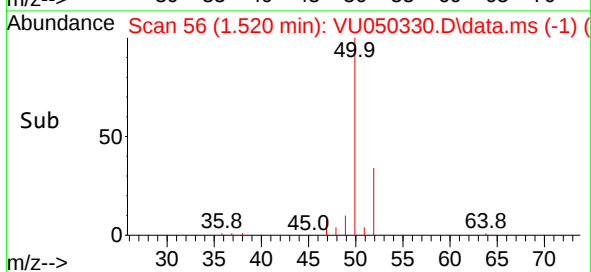
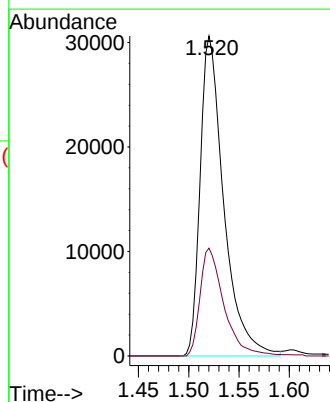
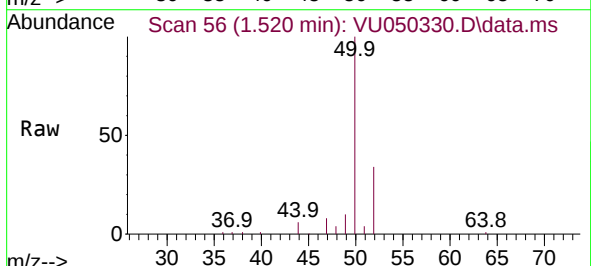
Instrument :
MSVOA_U
ClientSampleId :
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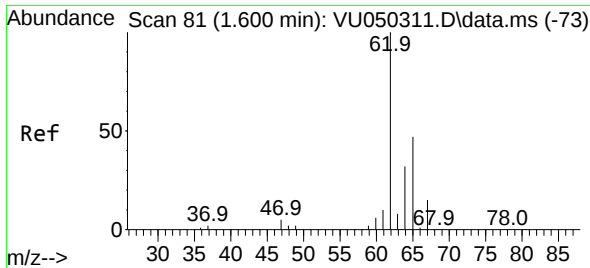
Tgt Ion: 85 Resp: 36551
Ion Ratio Lower Upper
85 100
87 32.0 26.2 39.4



#3
Chloromethane
Concen: 4.703 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 50 Resp: 49989
Ion Ratio Lower Upper
50 100
52 33.7 23.2 43.2

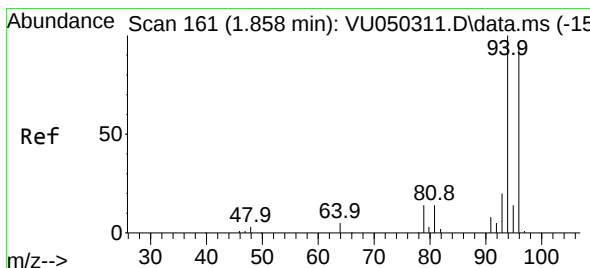
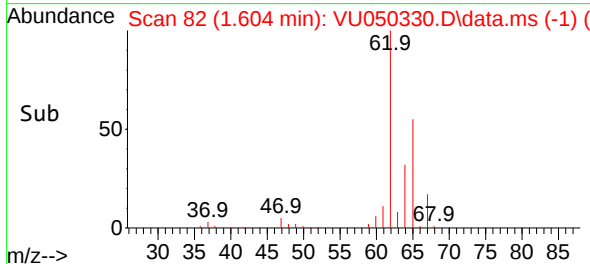
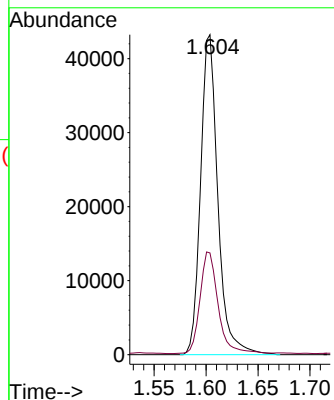
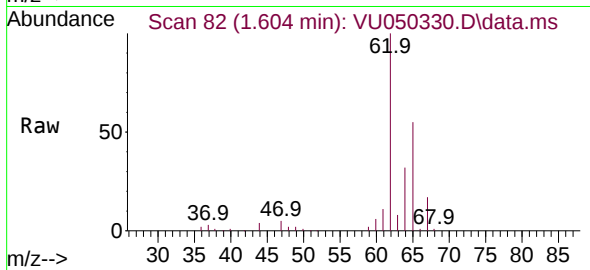




#5
 Vinyl chloride
 Concen: 5.257 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050330.D
 Acq: 13 Aug 2022 19:56

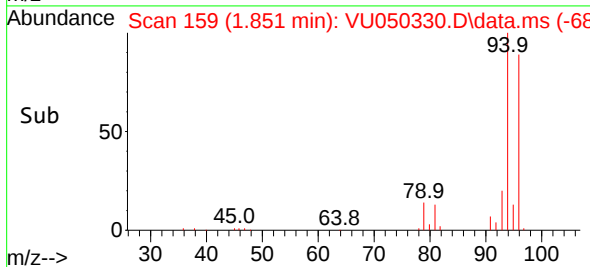
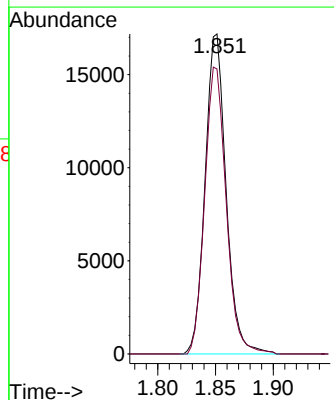
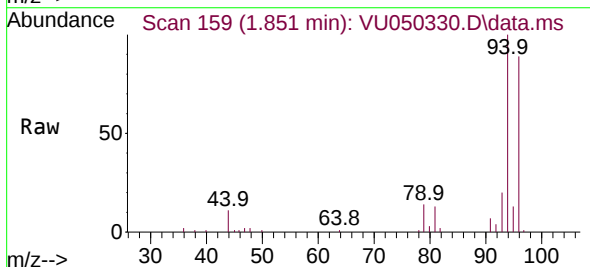
Instrument :
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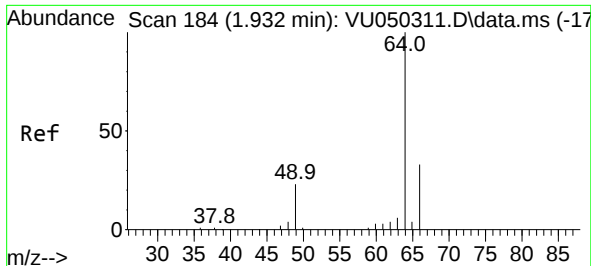
Tgt Ion: 62 Resp: 50055
 Ion Ratio Lower Upper
 62 100
 64 31.8 22.8 42.4



#6
 Bromomethane
 Concen: 3.585 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.006 min
 Lab File: VU050330.D
 Acq: 13 Aug 2022 19:56

Tgt Ion: 94 Resp: 21791
 Ion Ratio Lower Upper
 94 100
 96 89.0 65.3 121.3

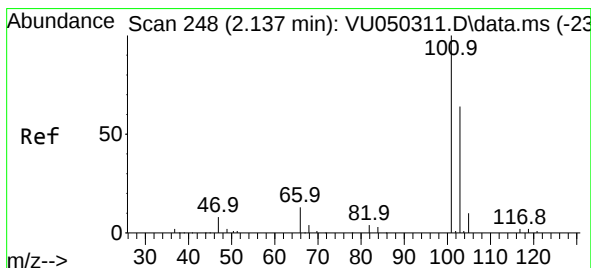
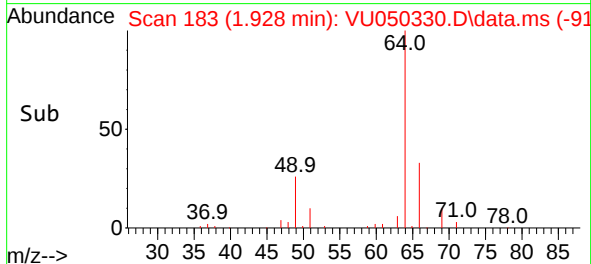
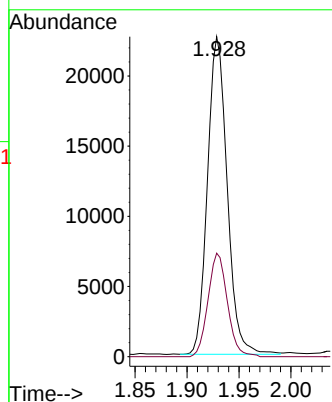
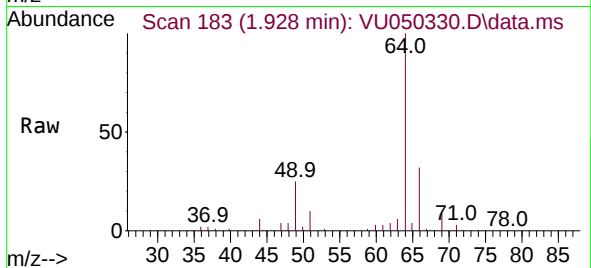




#8
Chloroethane
Concen: 5.310 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

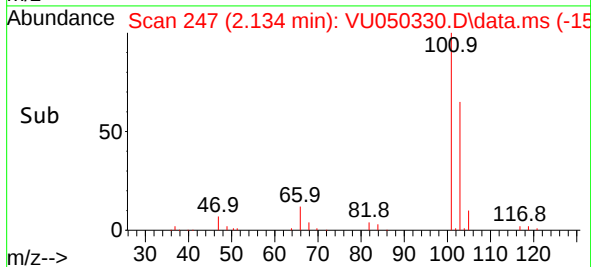
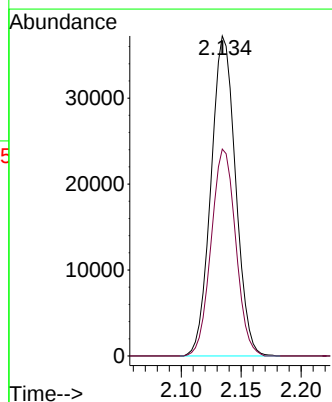
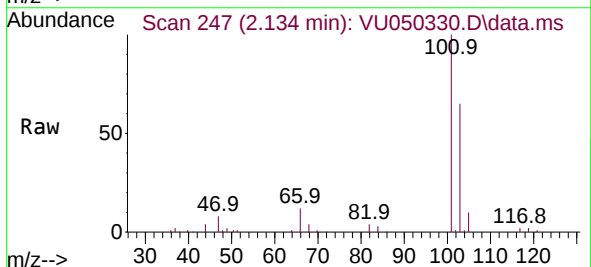
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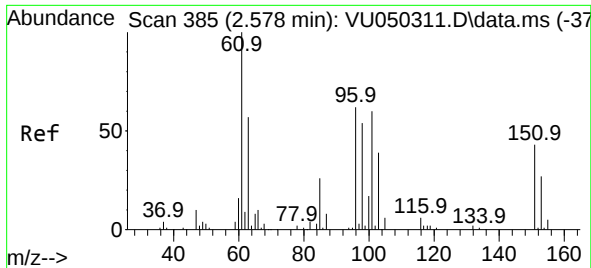
Tgt Ion: 64 Resp: 29793
Ion Ratio Lower Upper
64 100
66 32.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.084 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 101 Resp: 53015
Ion Ratio Lower Upper
101 100
103 64.5 52.6 78.8

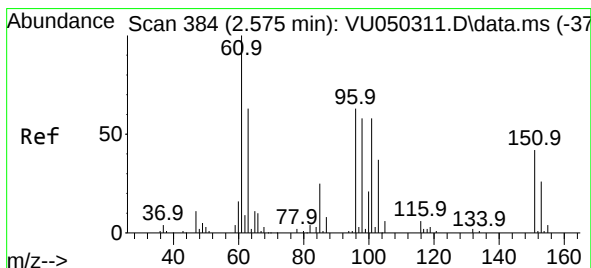
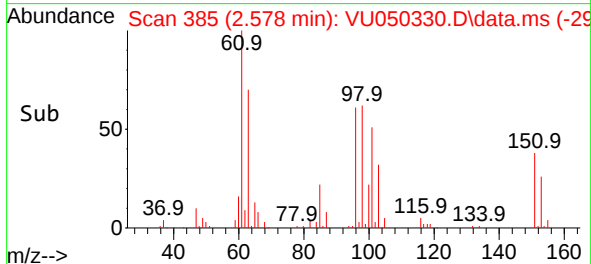
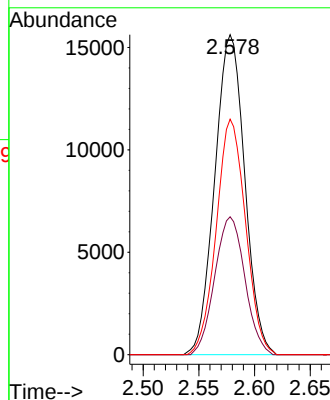
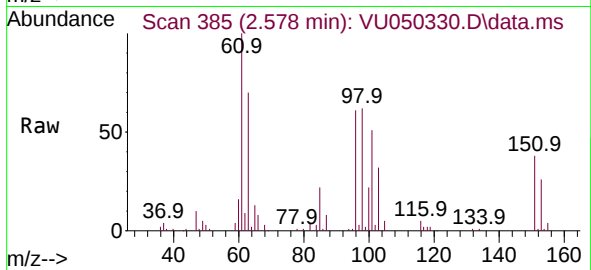




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.050 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050330.D
 Acq: 13 Aug 2022 19:56

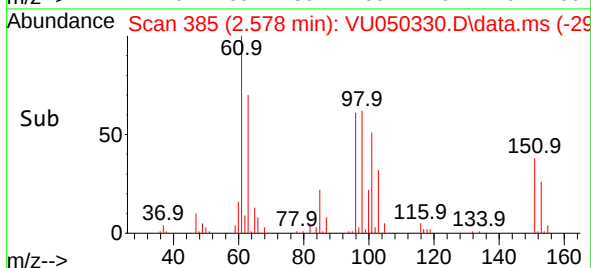
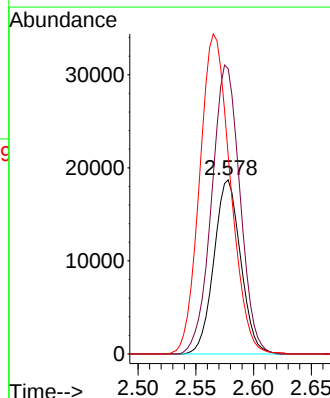
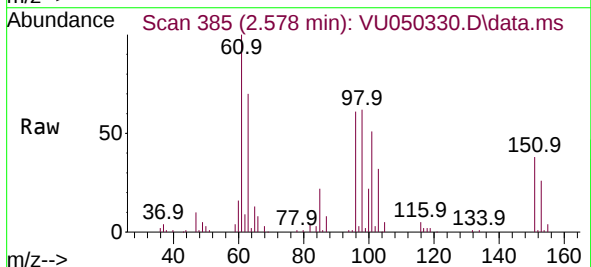
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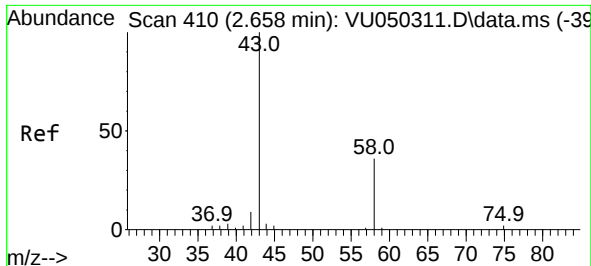
Tgt Ion:101 Resp: 29290
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.6 53.4
 151 71.9 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 4.915 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050330.D
 Acq: 13 Aug 2022 19:56

Tgt Ion: 96 Resp: 30108
 Ion Ratio Lower Upper
 96 100
 61 163.9 122.7 227.9
 63 114.0 85.1 158.1





#13

Acetone

Concen: 63.036 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.029 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

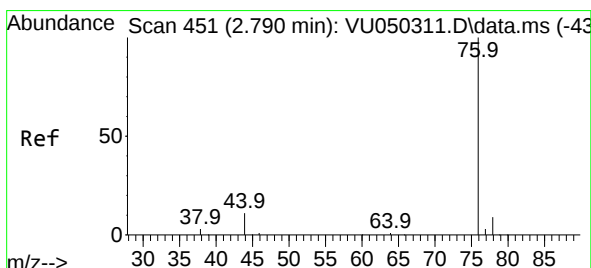
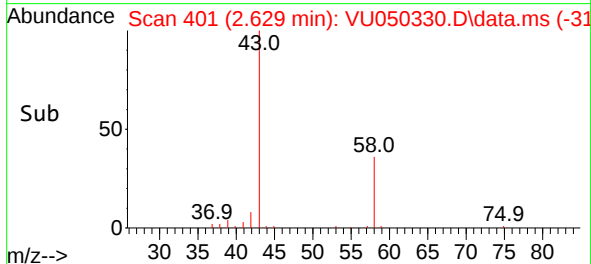
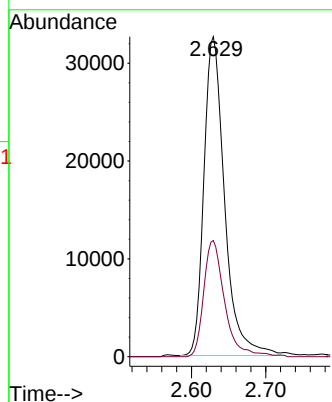
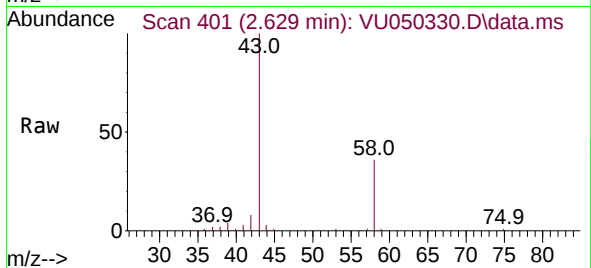
VSTD005162

Tgt Ion: 43 Resp: 63139

Ion Ratio Lower Upper

43 100

58 36.7 0.0 64.0



#14

Carbon disulfide

Concen: 4.619 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050330.D

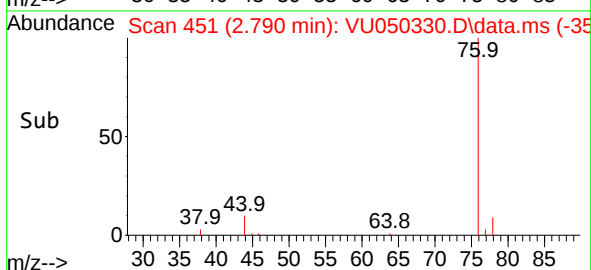
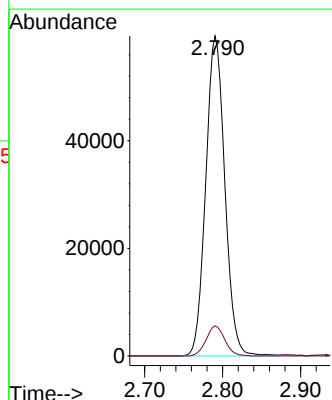
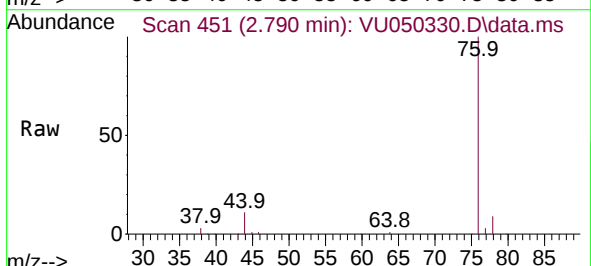
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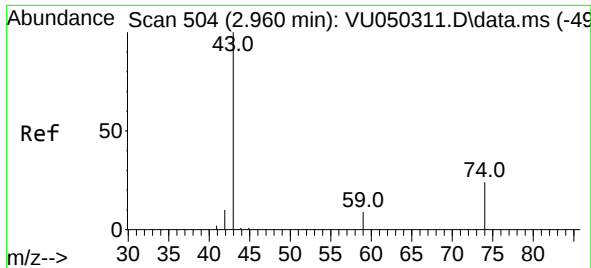
Tgt Ion: 76 Resp: 101055

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

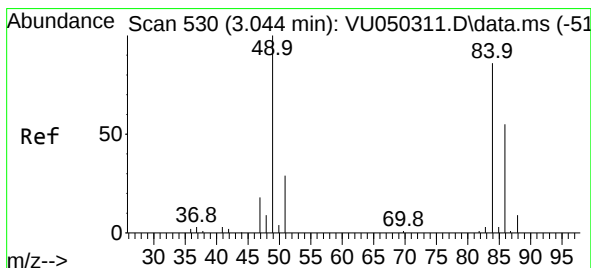
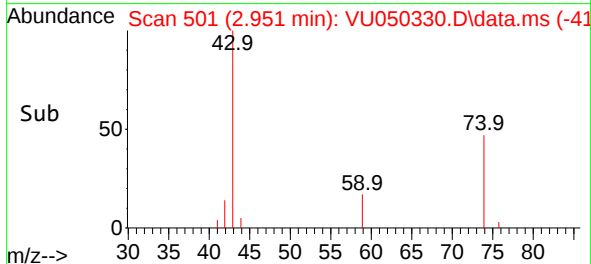
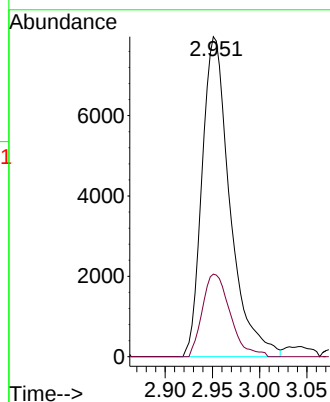
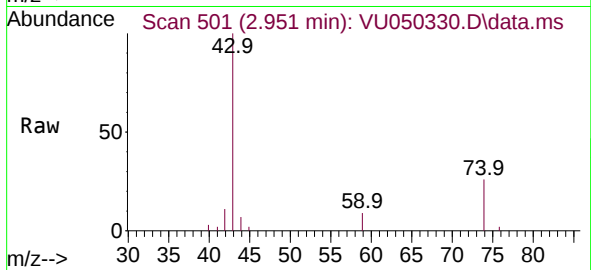




#15
Methyl Acetate
Concen: 5.977 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.009 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

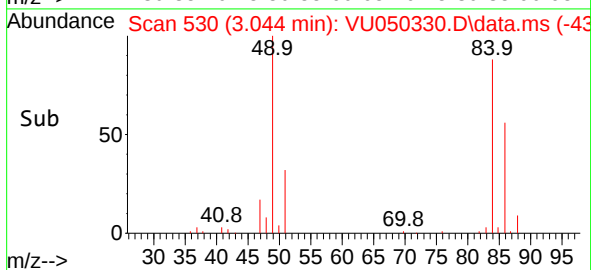
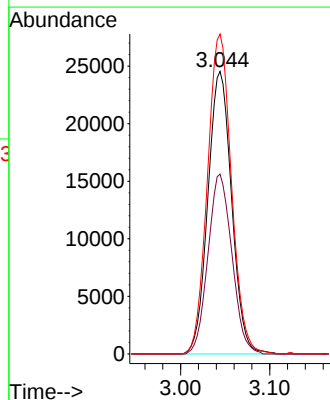
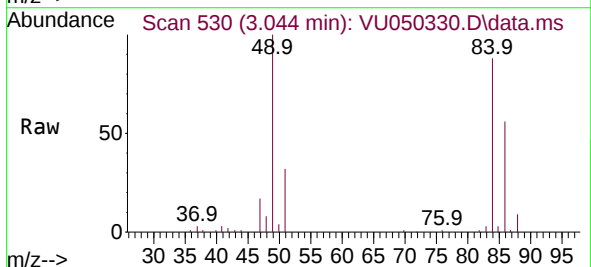
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

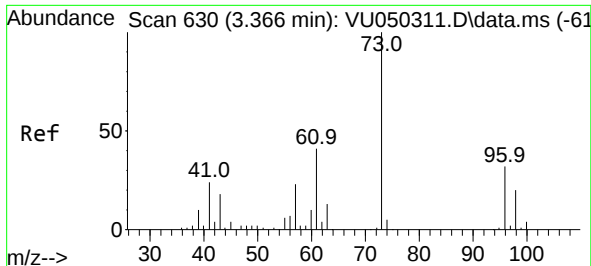
Tgt Ion: 43 Resp: 16347
Ion Ratio Lower Upper
43 100
74 25.7 22.7 34.1



#16
Methylene chloride
Concen: 4.850 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 84 Resp: 45396
Ion Ratio Lower Upper
84 100
86 63.7 45.9 85.3
49 113.3 77.6 144.0

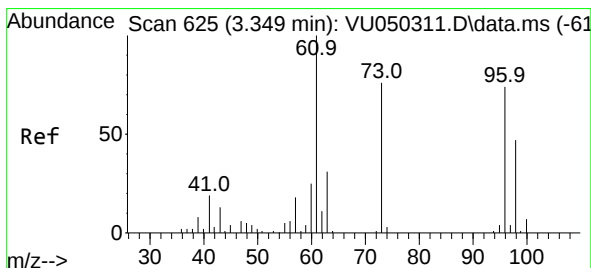
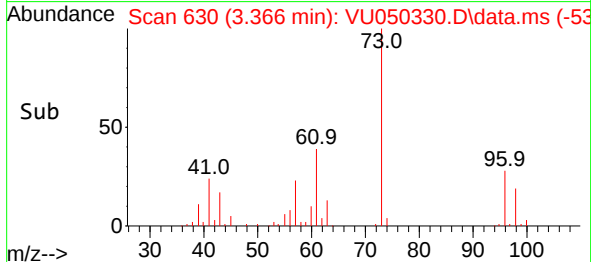
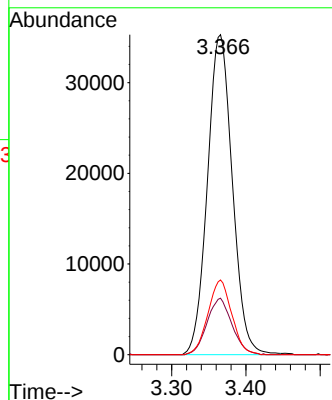
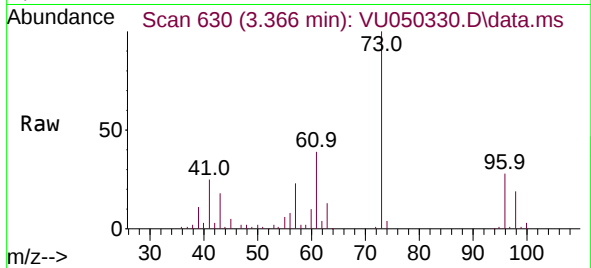




#17
Methyl tert-butyl Ether
Concen: 5.141 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

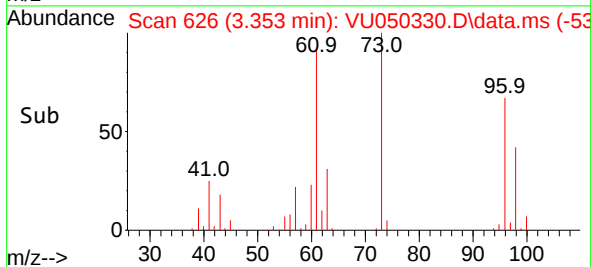
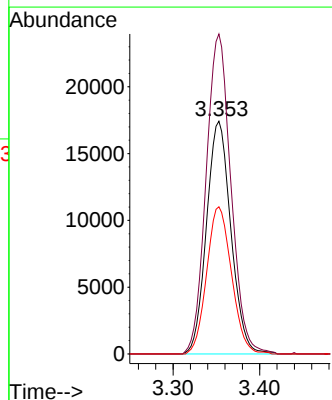
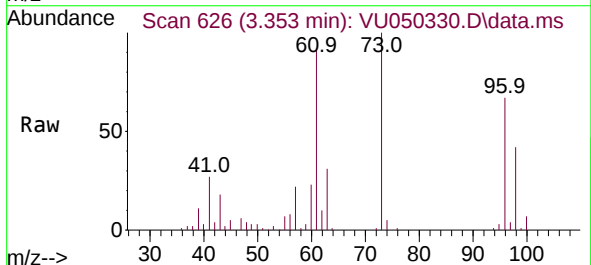
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

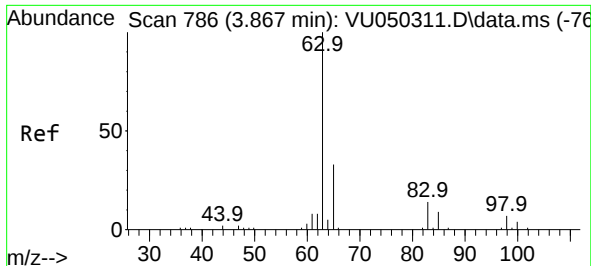
Tgt Ion: 73 Resp: 82187
Ion Ratio Lower Upper
73 100
43 17.7 13.5 20.3
57 22.3 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.980 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 96 Resp: 34161
Ion Ratio Lower Upper
96 100
61 137.5 92.3 171.5
98 63.2 43.2 80.2

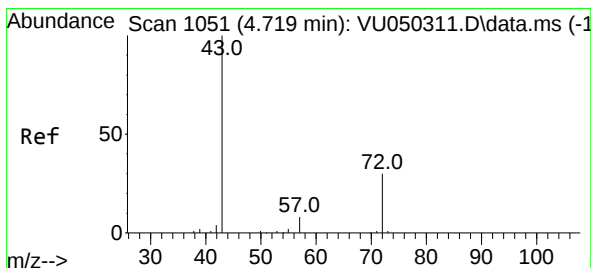
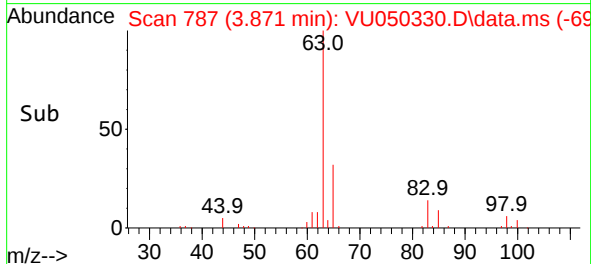
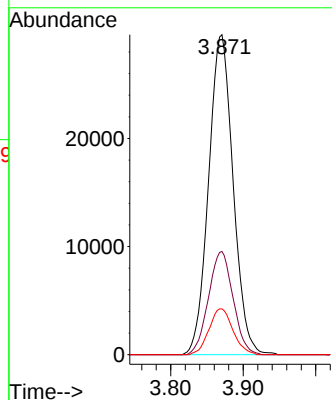
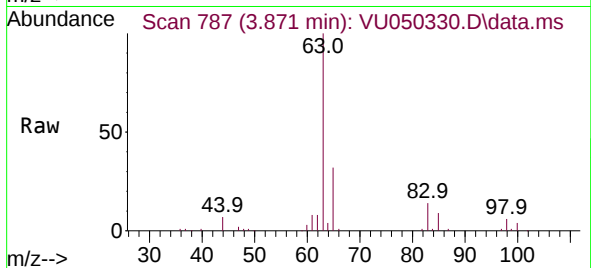




#19
1,1-Dichloroethane
Concen: 5.354 ug/L
RT: 3.871 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

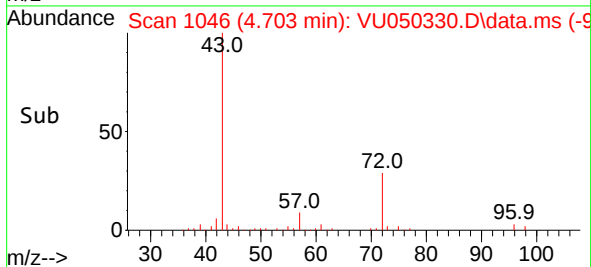
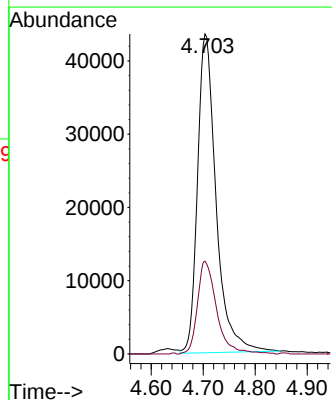
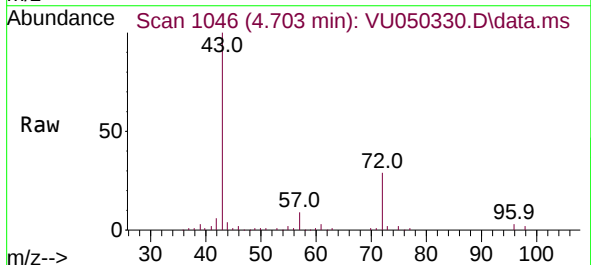
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

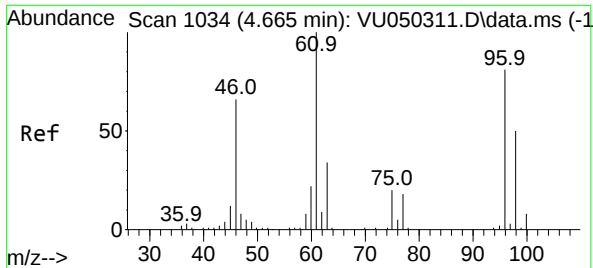
Tgt Ion: 63 Resp: 69543
Ion Ratio Lower Upper
63 100
65 32.3 22.7 42.3
83 14.3 9.8 18.2



#21
2-Butanone
Concen: 59.838 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. -0.016 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 43 Resp: 107777
Ion Ratio Lower Upper
43 100
72 29.8 14.0 42.0

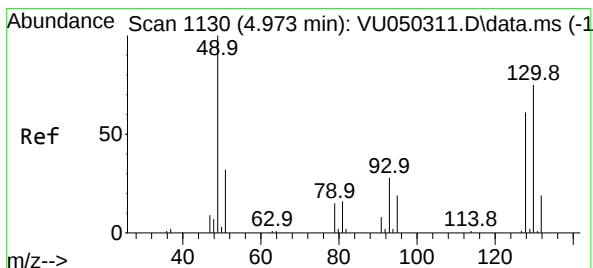
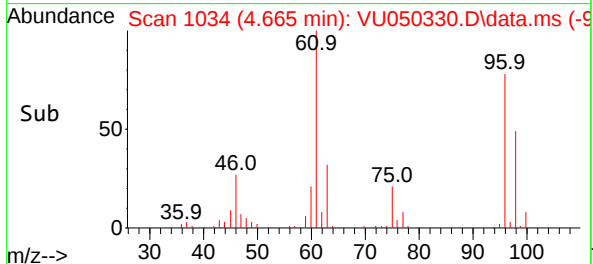
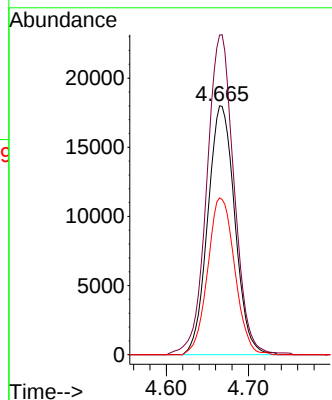
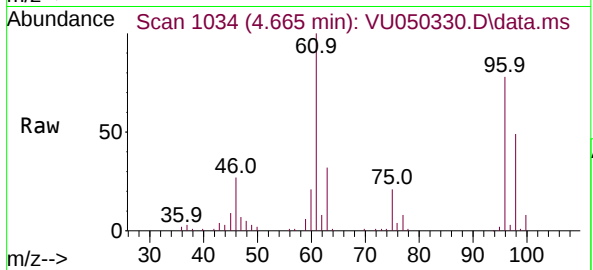




#22
cis-1,2-Dichloroethene
Concen: 5.416 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

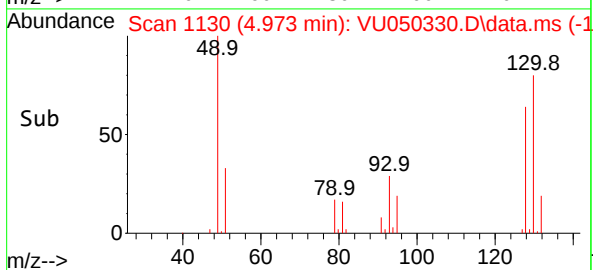
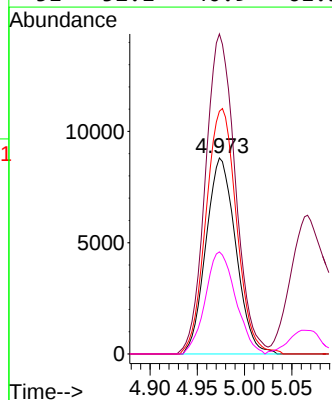
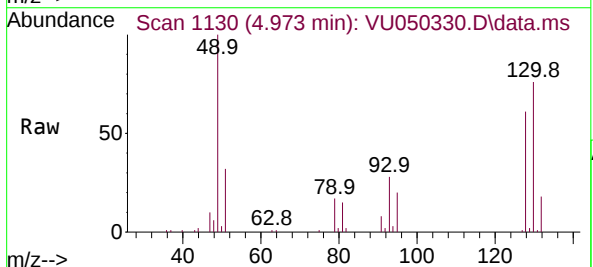
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

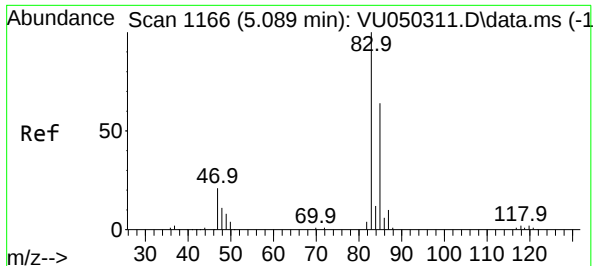
Tgt Ion: 96 Resp: 41236
Ion Ratio Lower Upper
96 100
61 128.4 89.0 165.4
98 63.0 45.2 84.0



#23
Bromochloromethane
Concen: 5.314 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 128 Resp: 19336
Ion Ratio Lower Upper
128 100
49 163.3 111.4 206.8
130 123.9 90.2 167.4
51 52.1 40.9 61.3





#25

Chloroform

Concen: 5.321 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

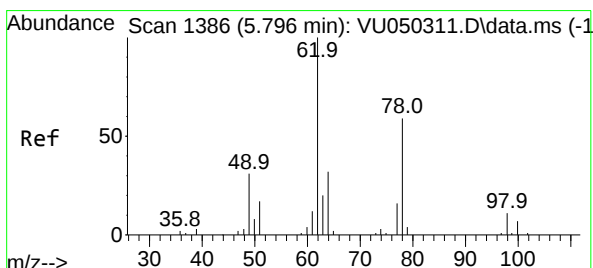
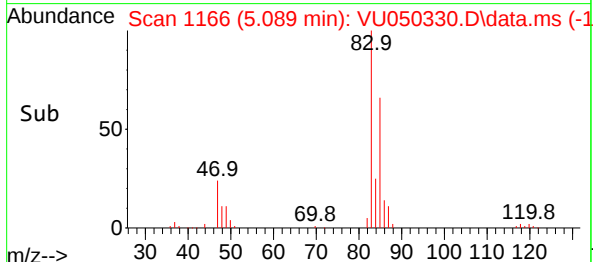
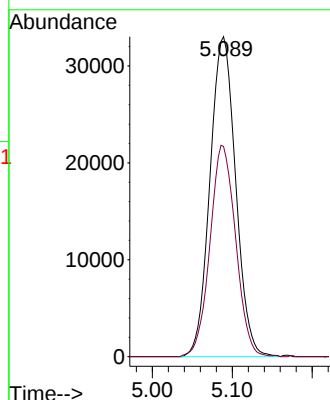
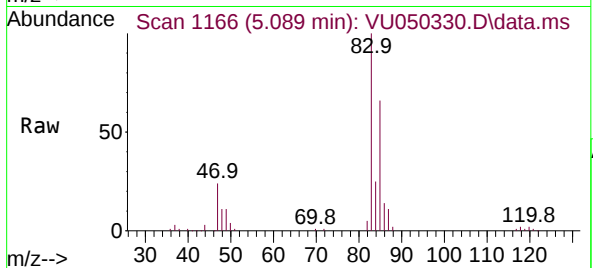
VSTD005162

Tgt Ion: 83 Resp: 73687

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.404 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU050330.D

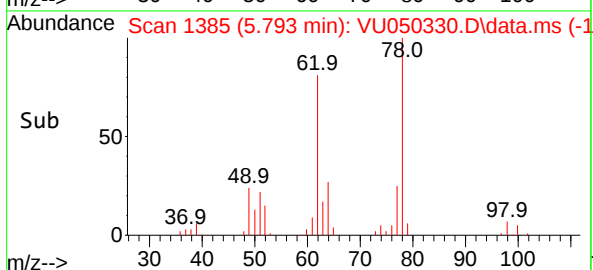
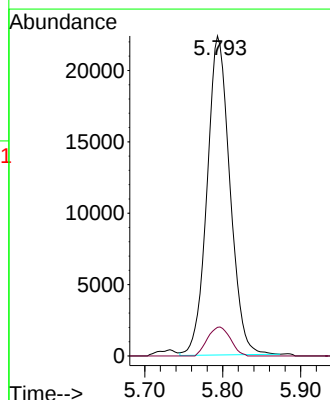
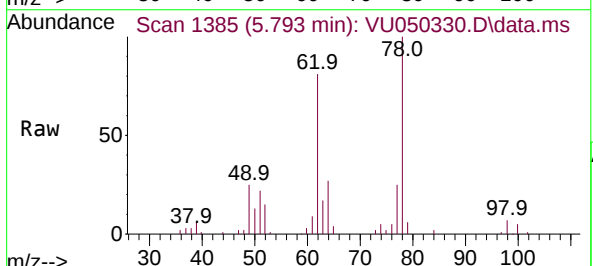
Acq: 13 Aug 2022 19:56

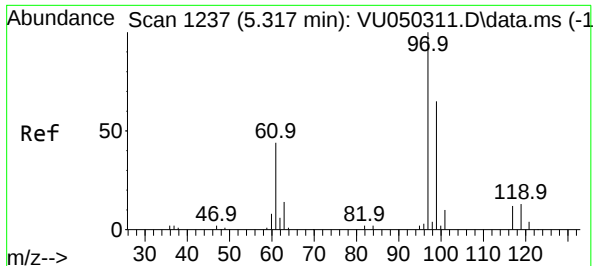
Tgt Ion: 62 Resp: 45545

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.180 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

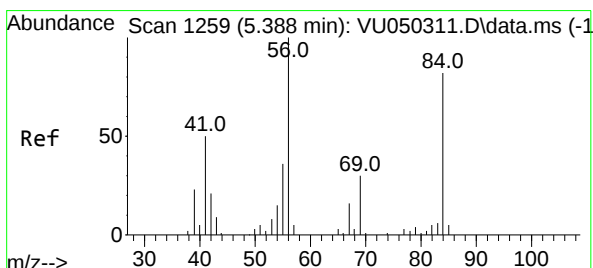
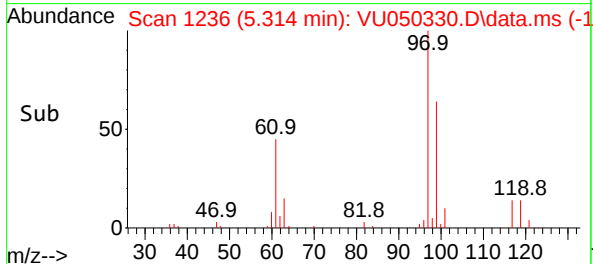
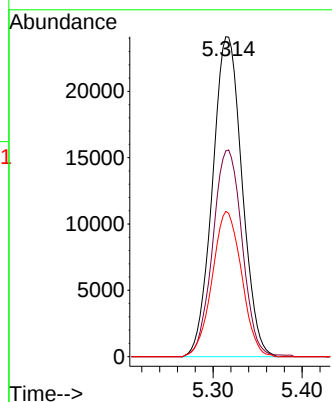
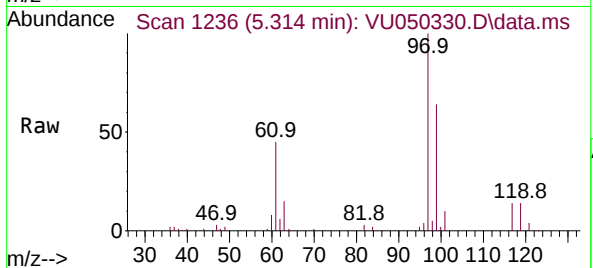
Tgt Ion: 97 Resp: 55539

Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 45.2 34.2 51.4



#30

Cyclohexane

Concen: 4.381 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

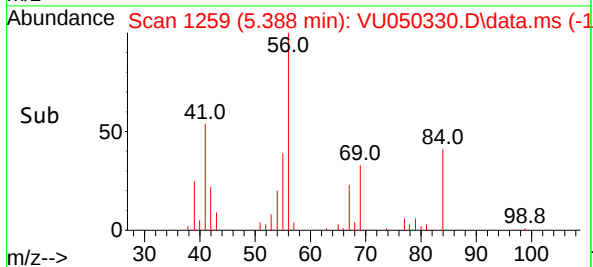
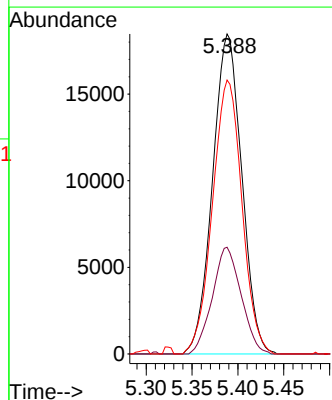
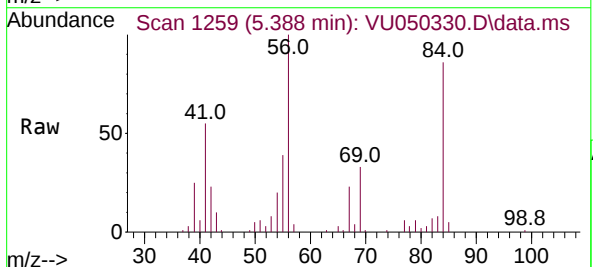
Tgt Ion: 56 Resp: 40929

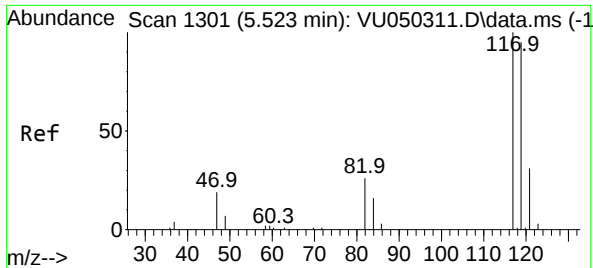
Ion Ratio Lower Upper

56 100

69 32.8 24.6 37.0

84 86.3 69.1 103.7

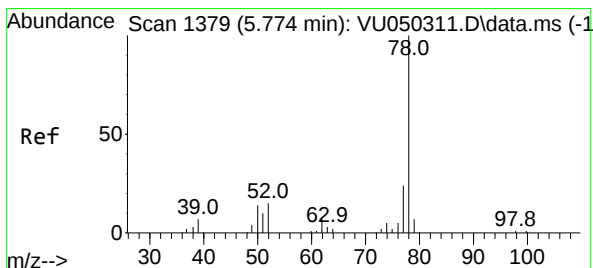
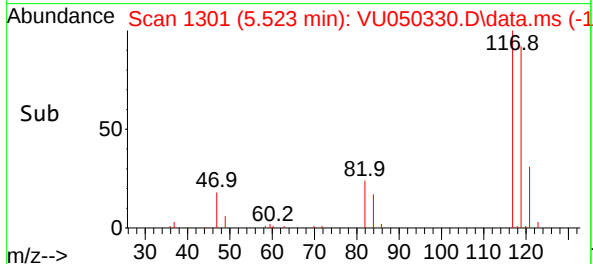
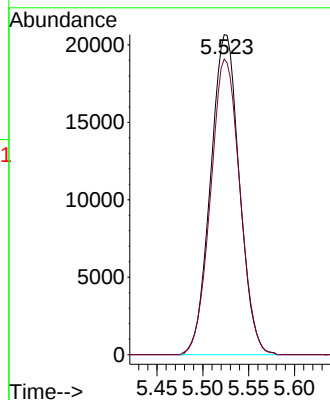
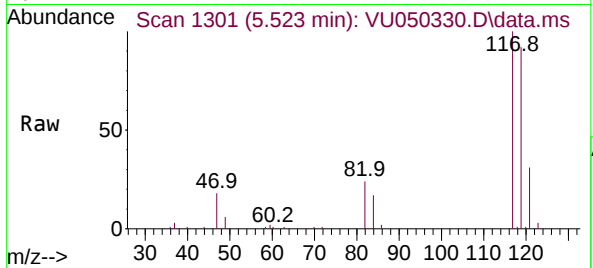




#31
Carbon tetrachloride
Concen: 5.123 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

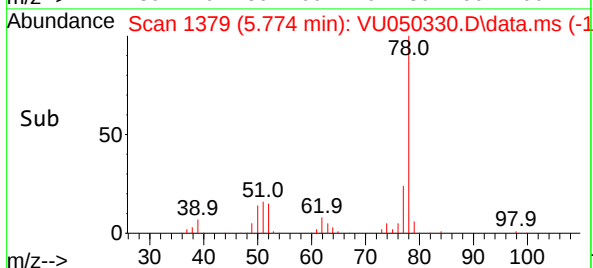
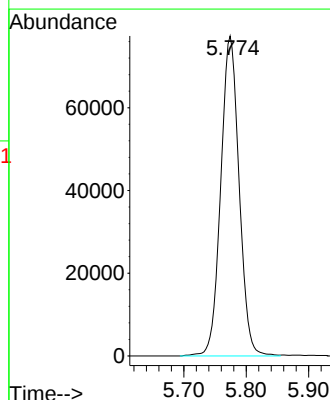
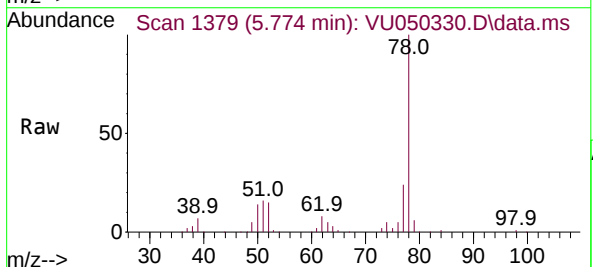
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

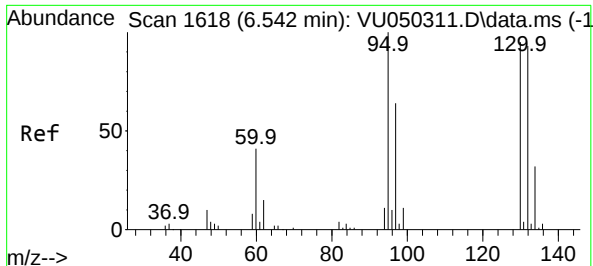
Tgt Ion:117 Resp: 45026
Ion Ratio Lower Upper
117 100
119 94.1 76.0 114.0



#33
Benzene
Concen: 5.157 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 78 Resp: 157927



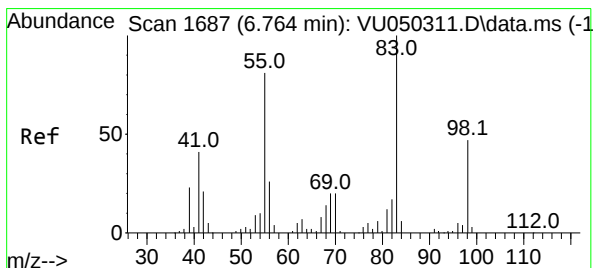
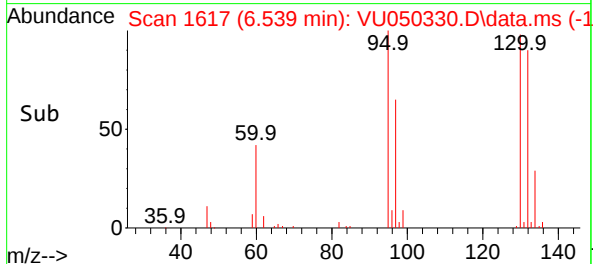
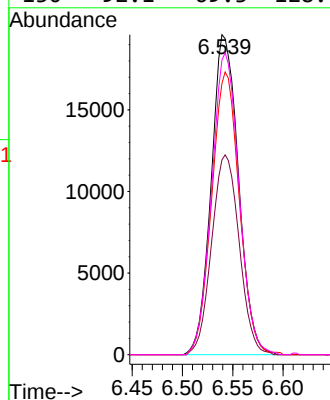
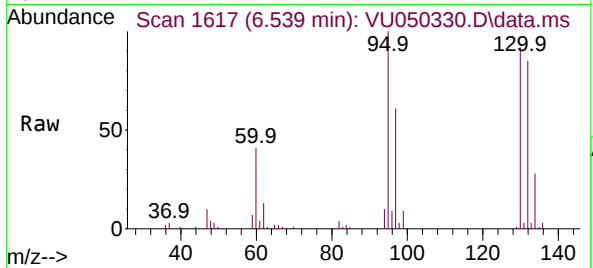


#34
Trichloroethene
Concen: 4.980 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

Tgt Ion: 95 Resp: 36881

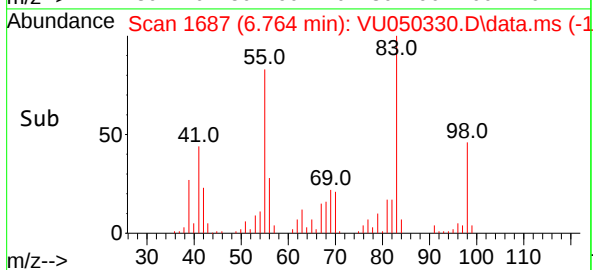
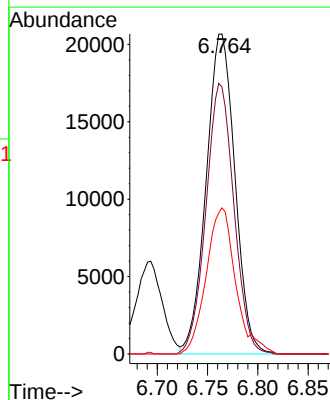
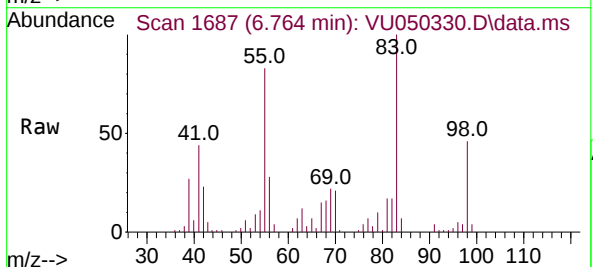
Ion	Ratio	Lower	Upper
95	100		
97	60.9	45.6	84.8
132	84.8	65.0	120.6
130	92.1	69.3	128.7

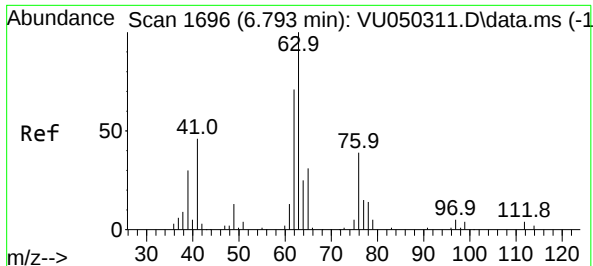


#35
Methylcyclohexane
Concen: 4.301 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 83 Resp: 41118

Ion	Ratio	Lower	Upper
83	100		
55	82.2	62.7	94.1
98	46.6	36.2	54.2





#37

1,2-Dichloropropane

Concen: 5.318 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

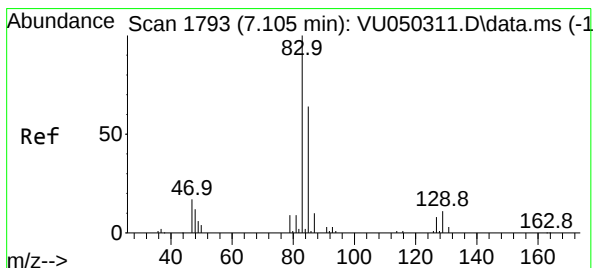
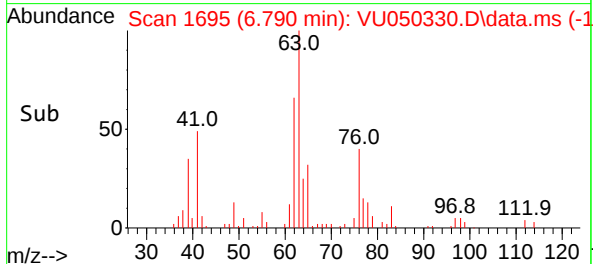
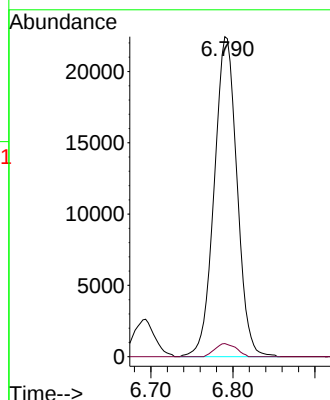
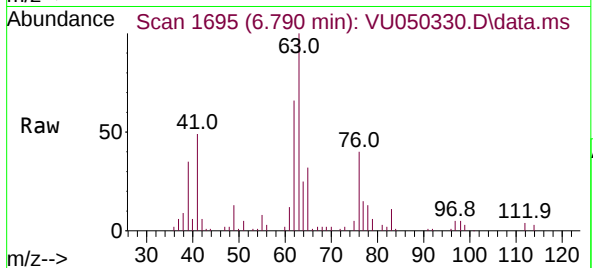
VSTD005162

Tgt Ion: 63 Resp: 43380

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.4



#38

Bromodichloromethane

Concen: 5.319 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

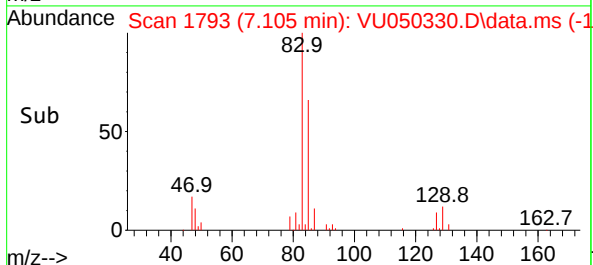
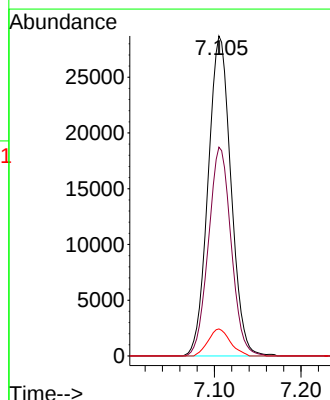
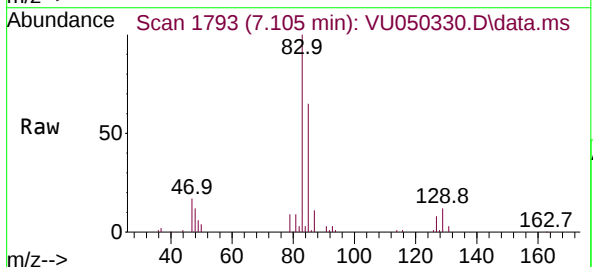
Tgt Ion: 83 Resp: 52699

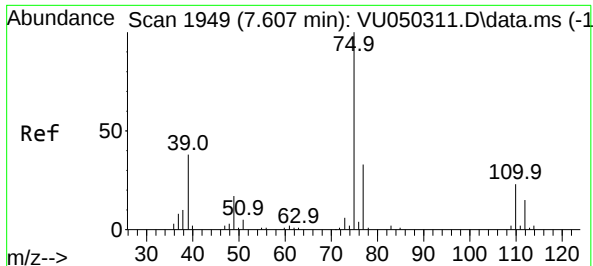
Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.825 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

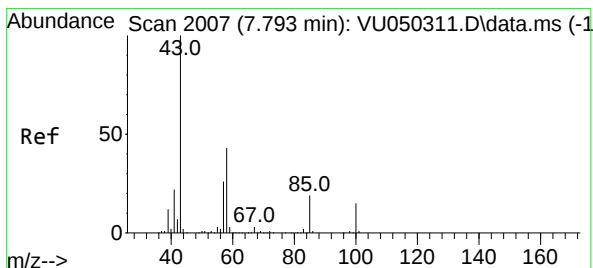
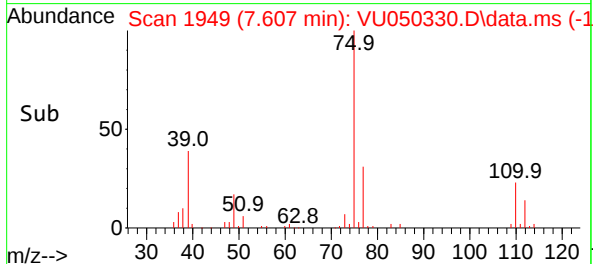
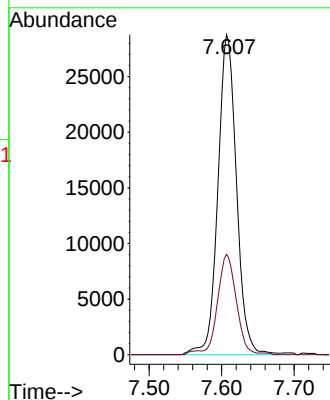
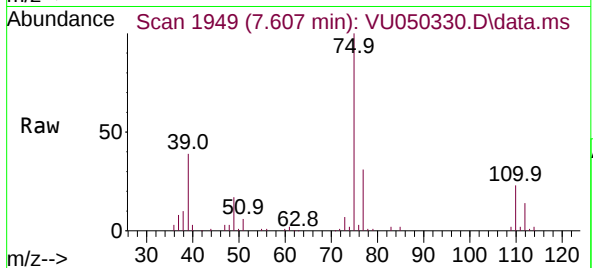
VSTD005162

Tgt Ion: 75 Resp: 51361

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 54.578 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

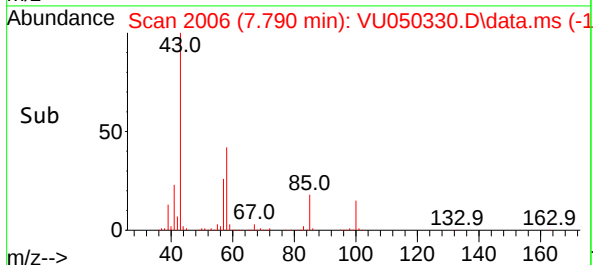
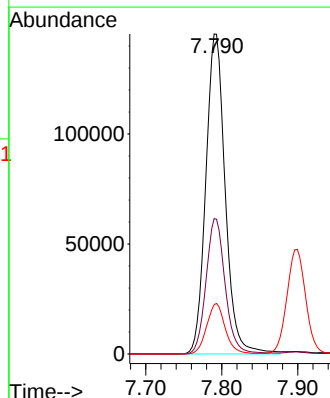
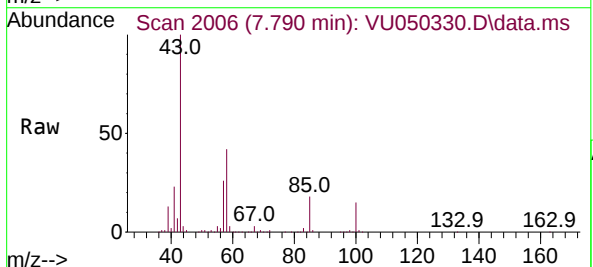
Tgt Ion: 43 Resp: 257852

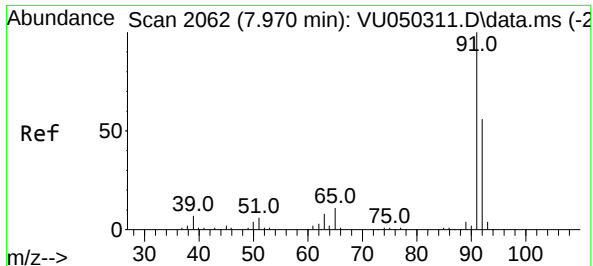
Ion Ratio Lower Upper

43 100

58 41.7 34.6 51.8

100 15.2 13.0 19.4





#42

Toluene

Concen: 5.223 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

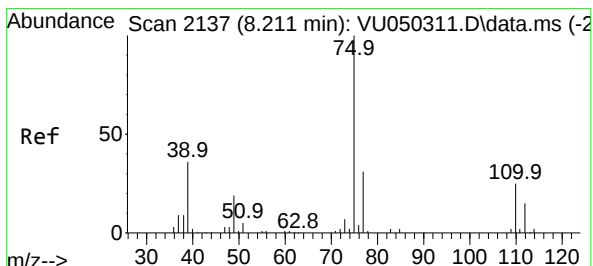
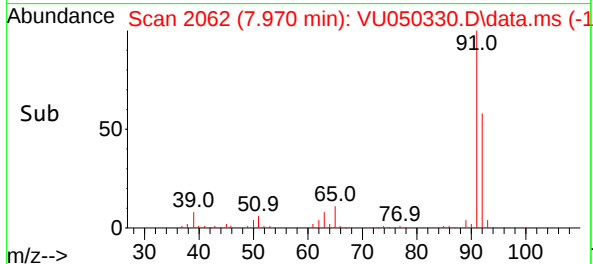
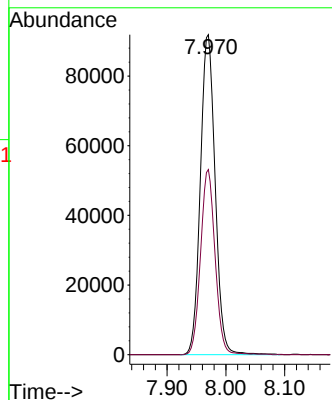
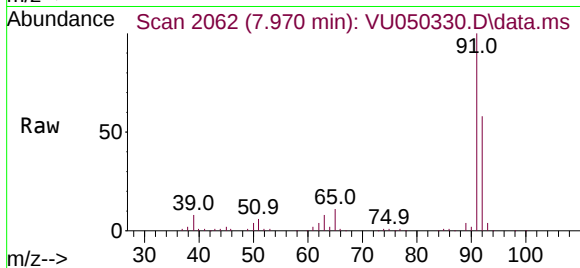
VSTD005162

Tgt Ion: 91 Resp: 160400

Ion Ratio Lower Upper

91 100

92 57.8 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 5.025 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050330.D

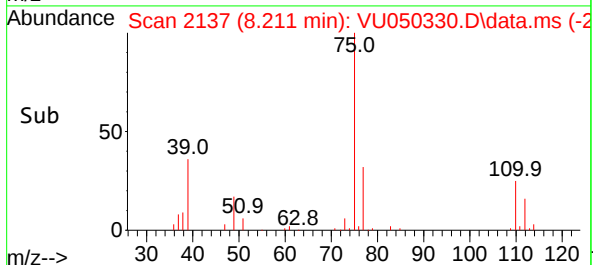
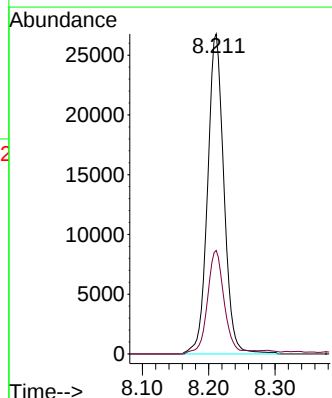
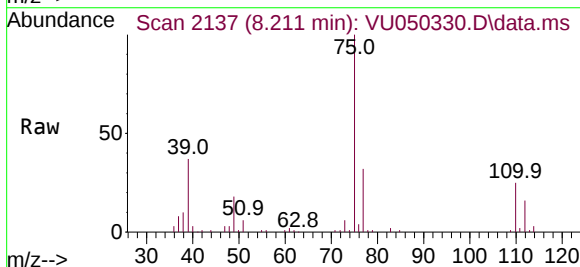
Acq: 13 Aug 2022 19:56

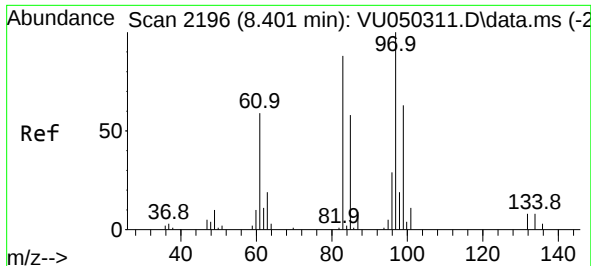
Tgt Ion: 75 Resp: 45874

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8

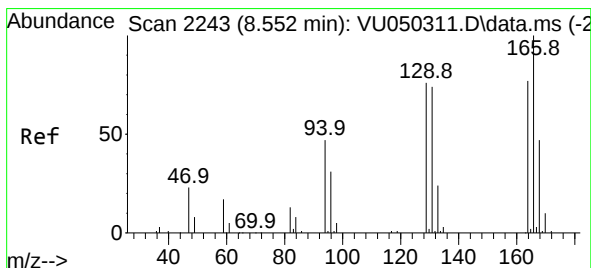
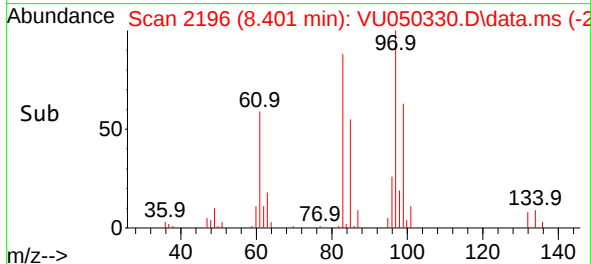
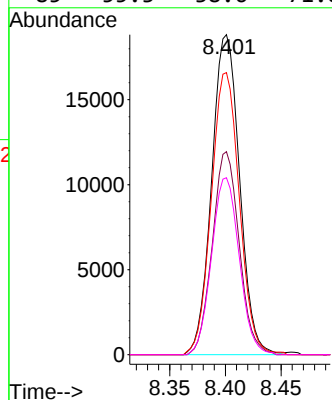
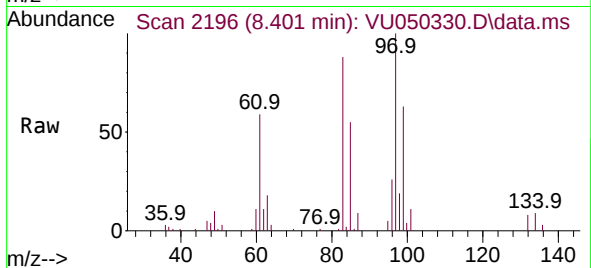




#45
1,1,2-Trichloroethane
Concen: 5.382 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

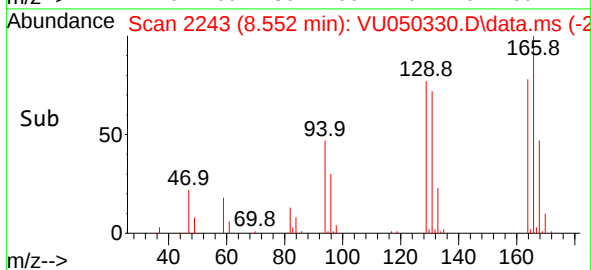
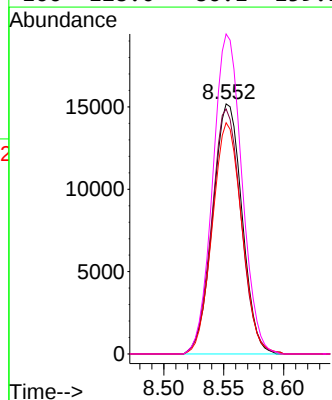
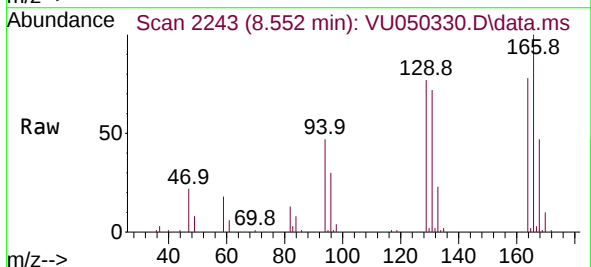
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

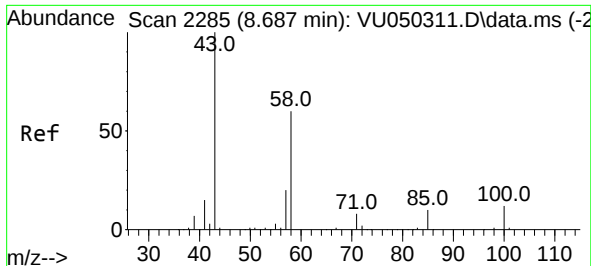
Tgt Ion:	97	Resp:	32815
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.2	78.4
83	88.1	59.6	110.6
85	55.3	38.6	71.8



#47
Tetrachloroethene
Concen: 4.856 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion:	164	Resp:	25768
Ion	Ratio	Lower	Upper
164	100		
129	98.0	69.0	128.1
131	92.4	65.8	122.2
166	128.0	86.1	159.9



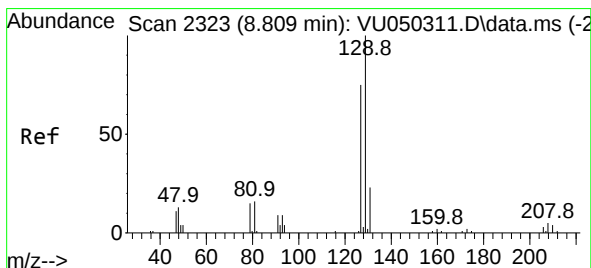
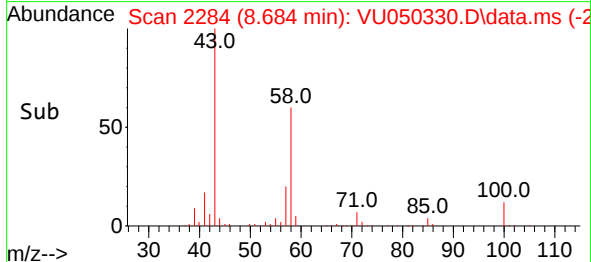
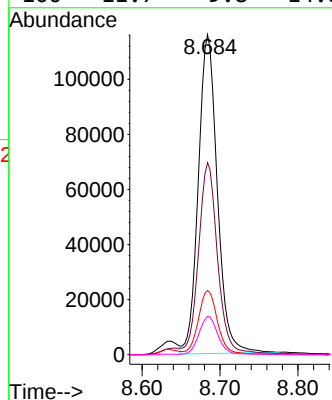
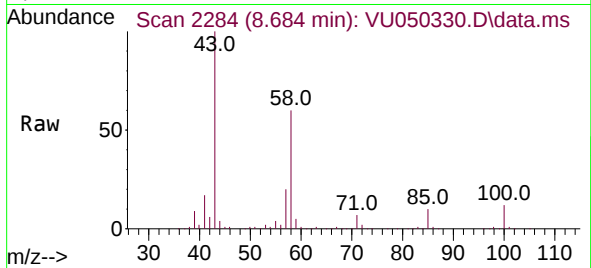


#48
2-Hexanone
Concen: 53.656 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

Tgt Ion: 43 Resp: 196064

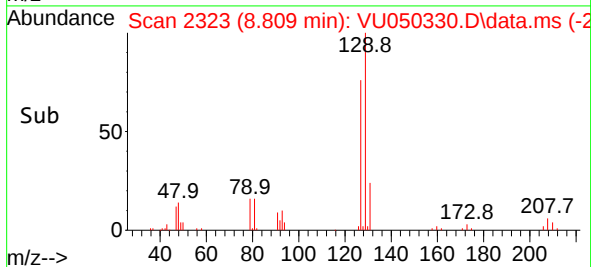
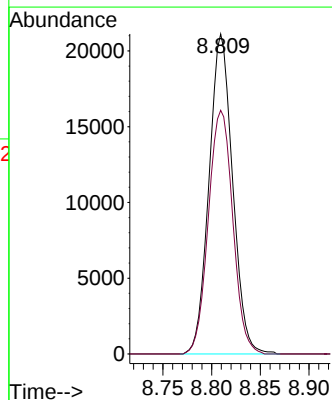
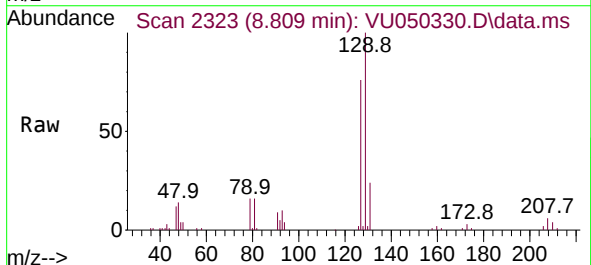
Ion	Ratio	Lower	Upper
43	100		
58	59.7	50.6	76.0
57	20.1	16.0	24.0
100	11.7	9.8	14.8

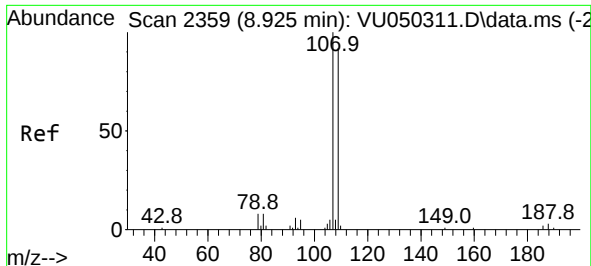


#49
Dibromochloromethane
Concen: 5.264 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 129 Resp: 35525

Ion	Ratio	Lower	Upper
129	100		
127	76.1	55.3	102.7





#50

1,2-Dibromoethane

Concen: 5.302 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

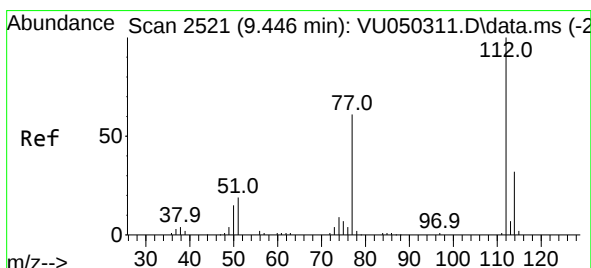
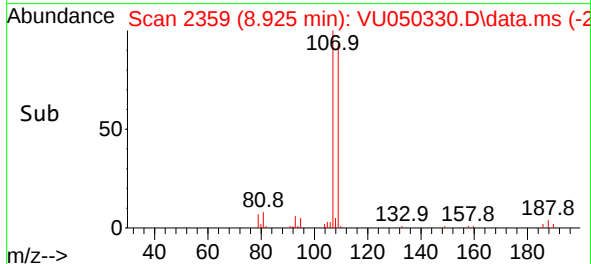
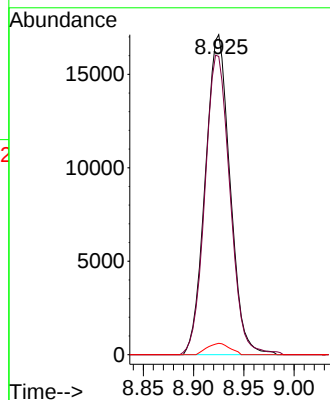
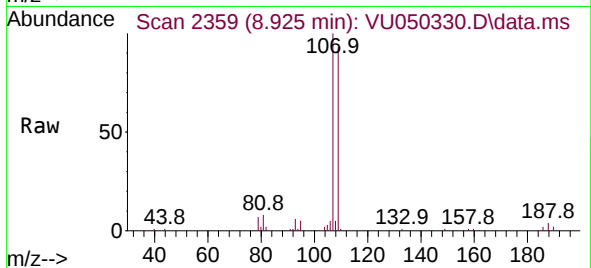
Tgt Ion:107 Resp: 29314

Ion Ratio Lower Upper

107 100

109 93.2 66.6 123.6

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 4.876 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

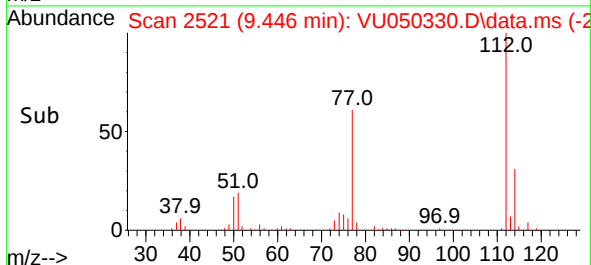
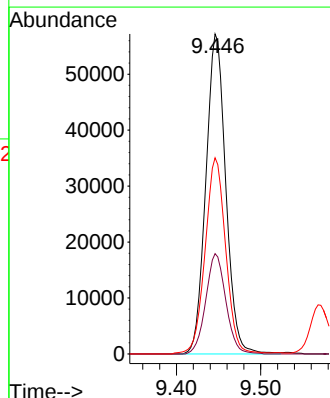
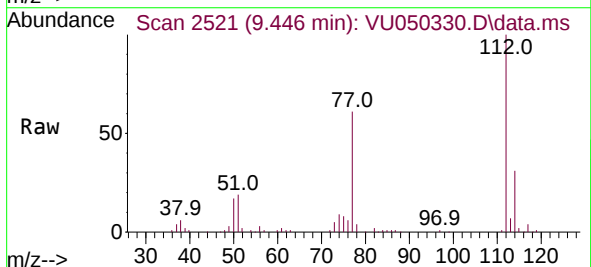
Tgt Ion:112 Resp: 94222

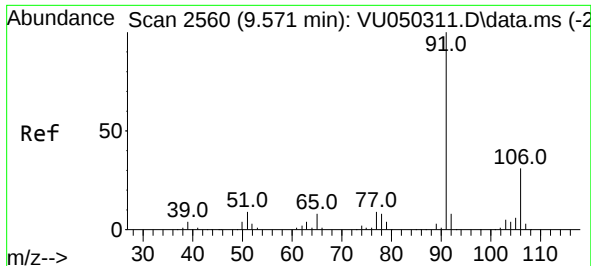
Ion Ratio Lower Upper

112 100

114 31.4 22.1 41.1

77 61.3 46.3 69.5

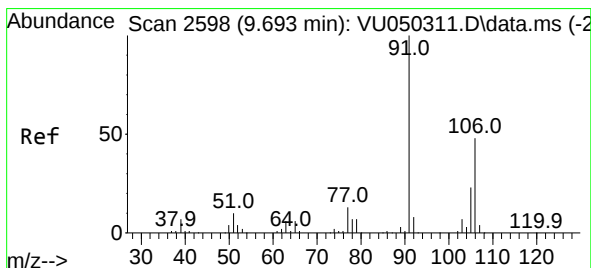
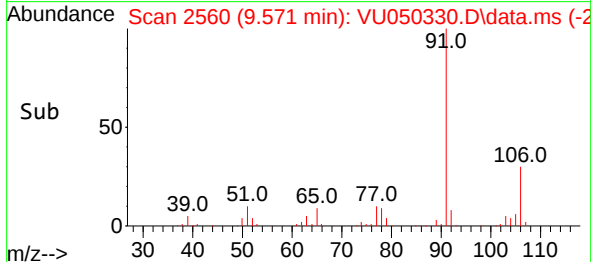
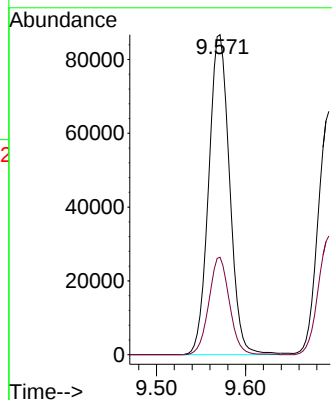
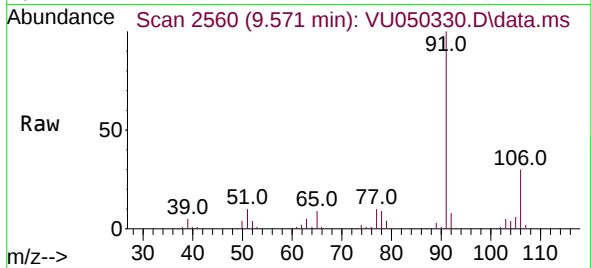




#52
Ethylbenzene
Concen: 4.704 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

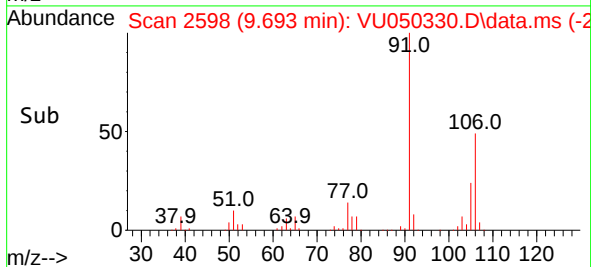
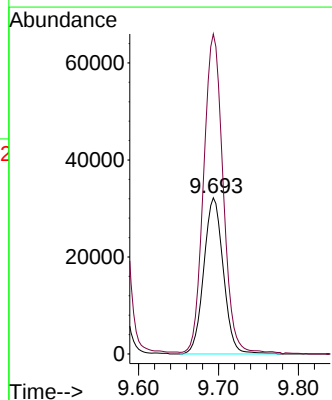
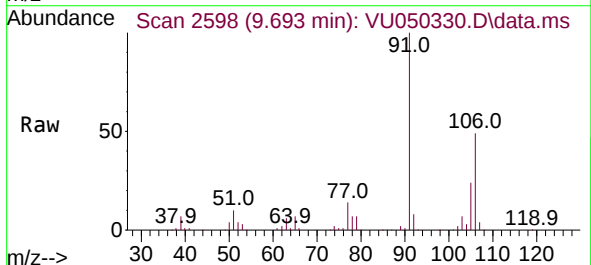
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

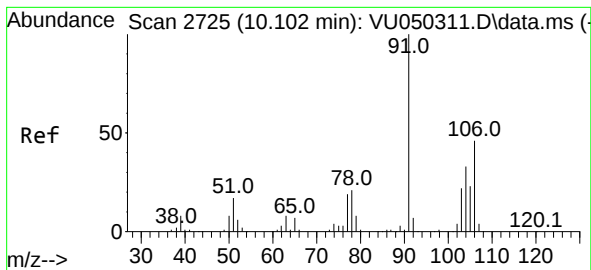
Tgt Ion: 91 Resp: 140985
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.5



#53
m,p-Xylene
Concen: 4.960 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 106 Resp: 54742
Ion Ratio Lower Upper
106 100
91 205.0 143.1 265.9





#54

o-Xylene

Concen: 4.969 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

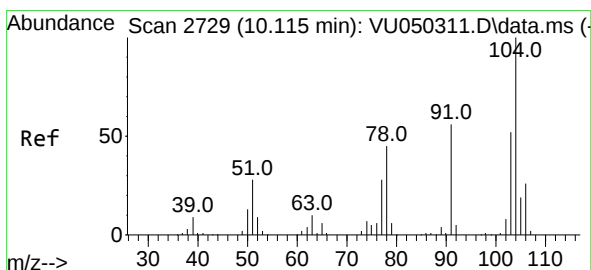
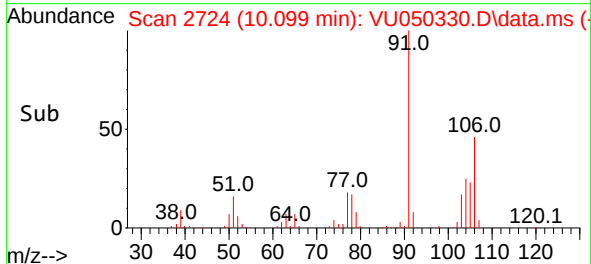
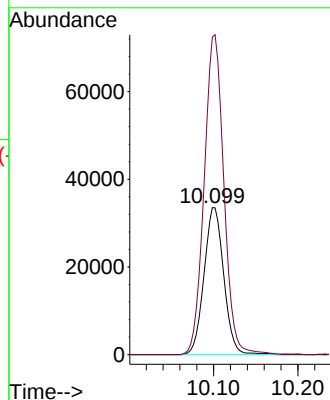
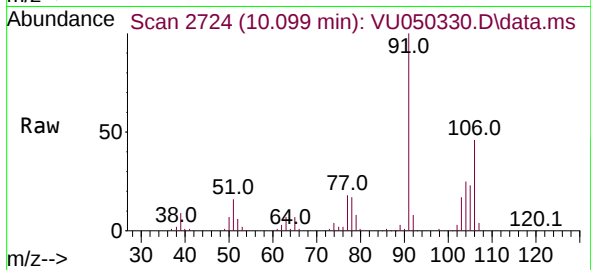
VSTD005162

Tgt Ion:106 Resp: 54747

Ion Ratio Lower Upper

106 100

91 216.1 149.4 277.4



#55

Styrene

Concen: 4.936 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU050330.D

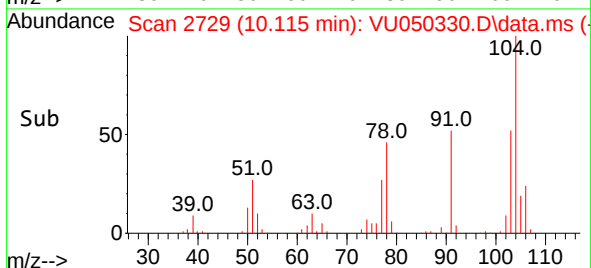
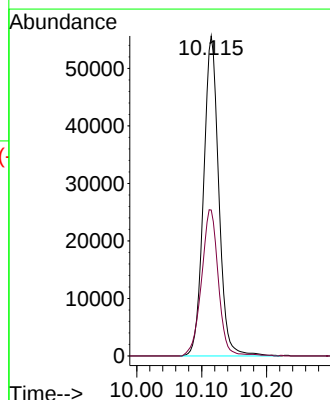
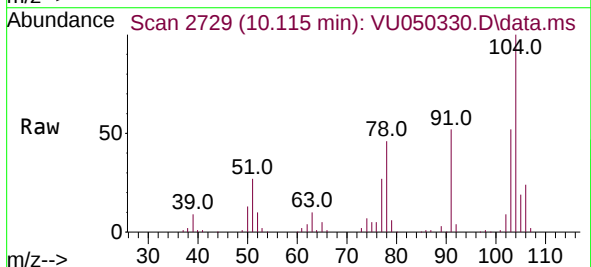
Acq: 13 Aug 2022 19:56

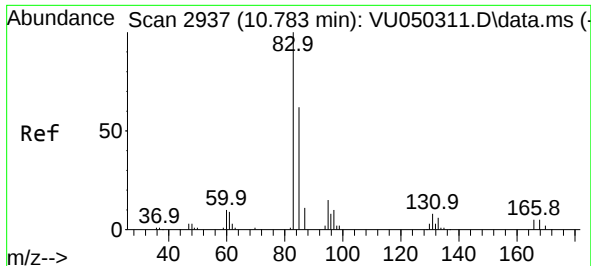
Tgt Ion:104 Resp: 90842

Ion Ratio Lower Upper

104 100

78 45.6 31.9 59.3

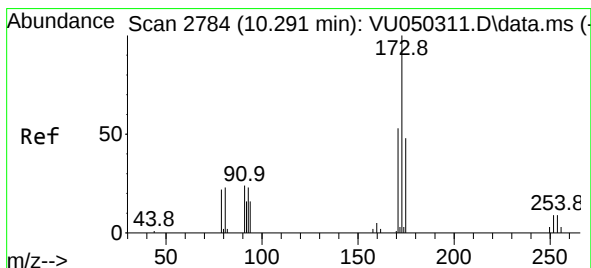
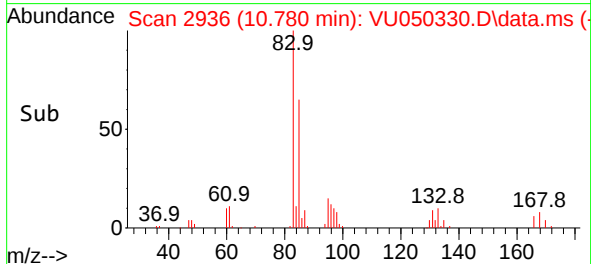
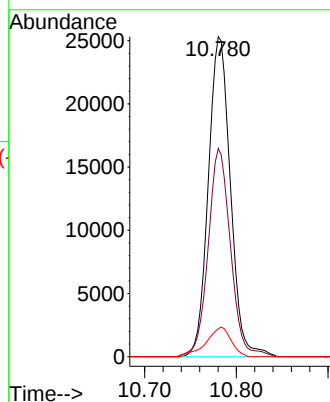
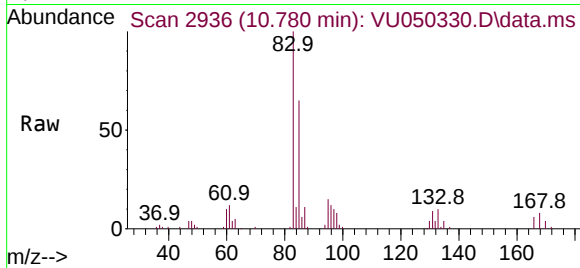




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.287 ug/L
 RT: 10.780 min Scan# 2937
 Delta R.T. -0.003 min
 Lab File: VU050330.D
 Acq: 13 Aug 2022 19:56

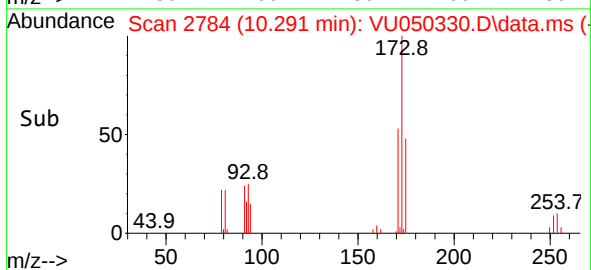
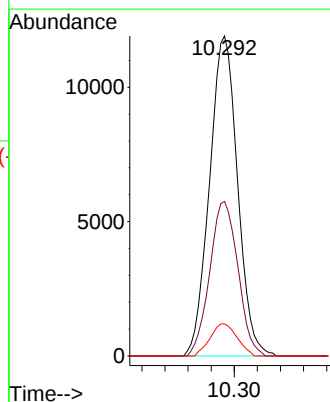
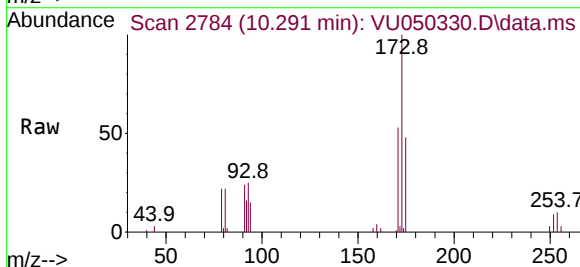
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005162

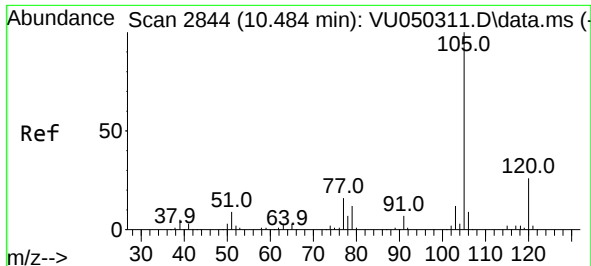
Tgt Ion: 83 Resp: 42361
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.2 84.0
 131 8.8 6.6 9.8



#59
 Bromoform
 Concen: 4.928 ug/L
 RT: 10.291 min Scan# 2784
 Delta R.T. 0.000 min
 Lab File: VU050330.D
 Acq: 13 Aug 2022 19:56

Tgt Ion:173 Resp: 20059
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.0 55.6
 254 9.6 7.4 11.0

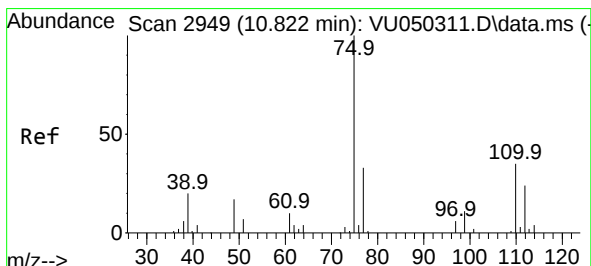
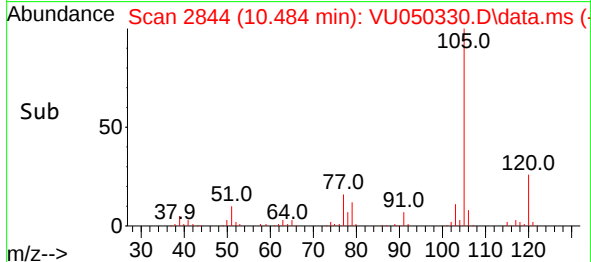
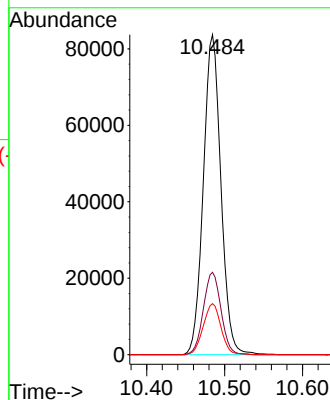
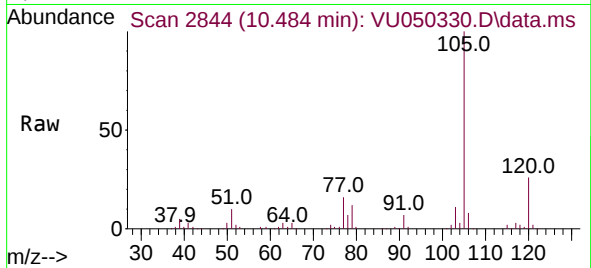




#60
Isopropylbenzene
Concen: 4.846 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

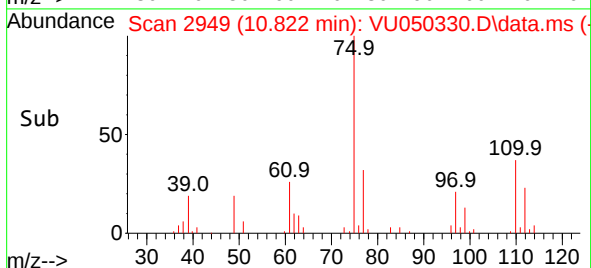
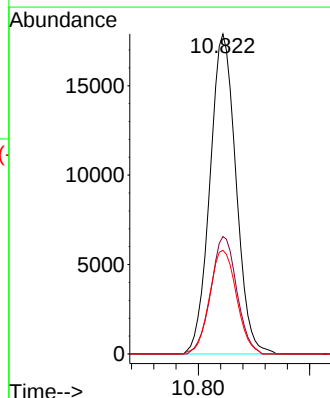
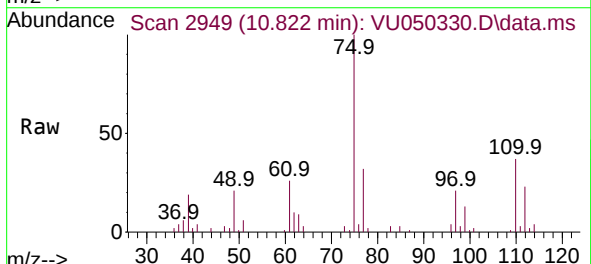
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

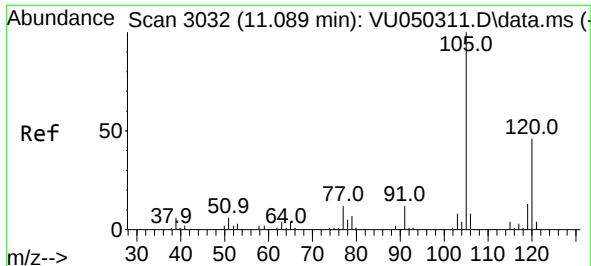
Tgt Ion:105 Resp: 131375
Ion Ratio Lower Upper
105 100
120 25.8 20.8 31.2
77 16.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.257 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion: 75 Resp: 29066
Ion Ratio Lower Upper
75 100
110 36.5 28.5 42.7
77 33.6 25.8 38.6





#62

1,3,5-Trimethylbenzene

Concen: 4.525 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

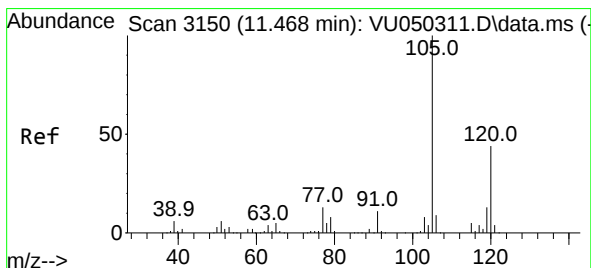
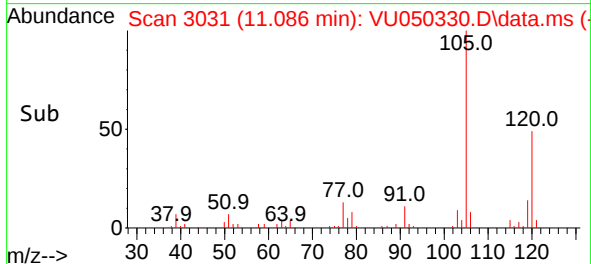
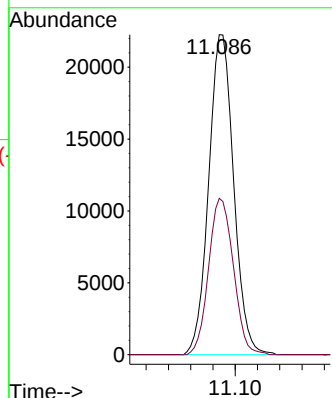
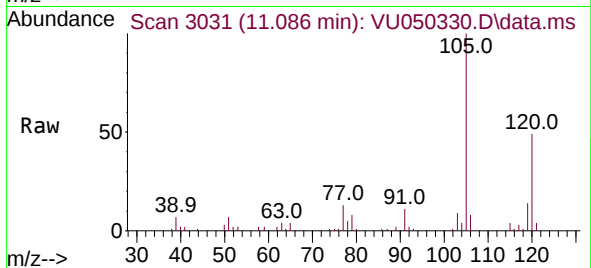
VSTD005162

Tgt Ion:105 Resp: 34657

Ion Ratio Lower Upper

105 100

120 48.5 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.605 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050330.D

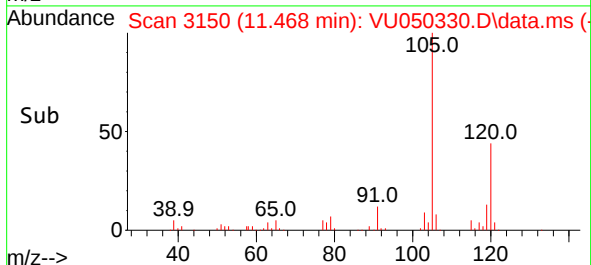
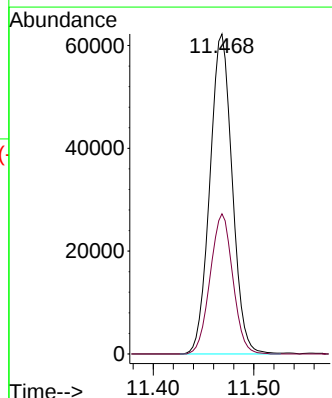
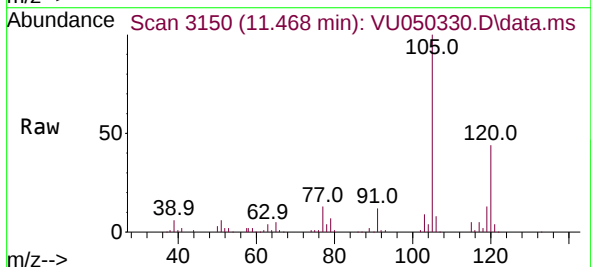
Acq: 13 Aug 2022 19:56

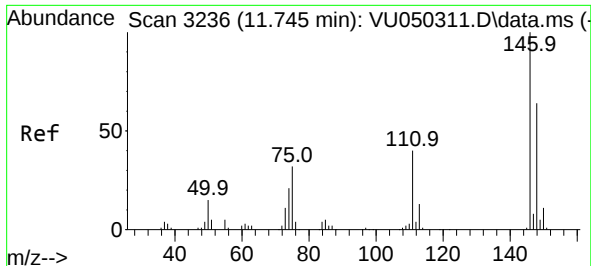
Tgt Ion:105 Resp: 96096

Ion Ratio Lower Upper

105 100

120 44.4 35.9 53.9

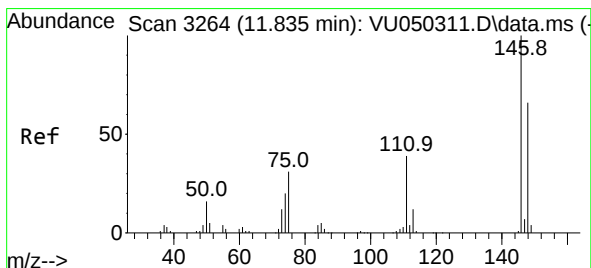
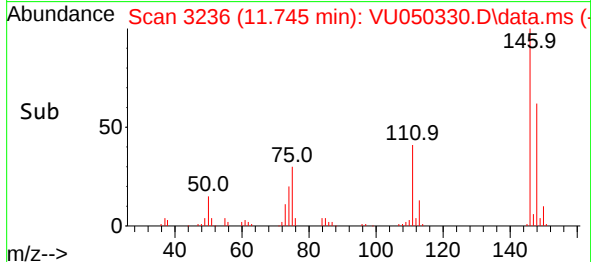
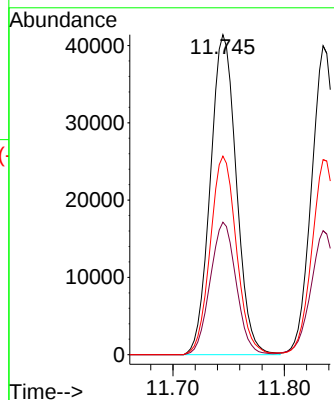
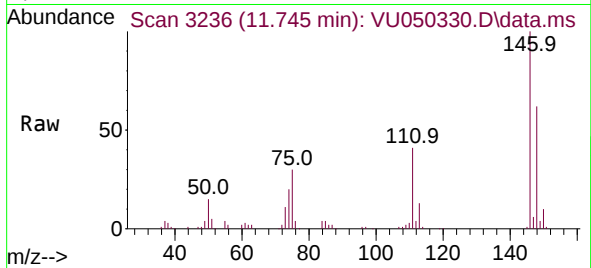




#64
1,3-Dichlorobenzene
Concen: 4.918 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

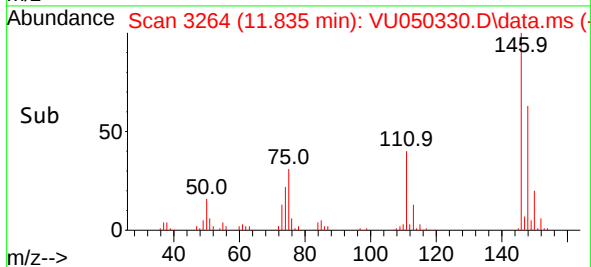
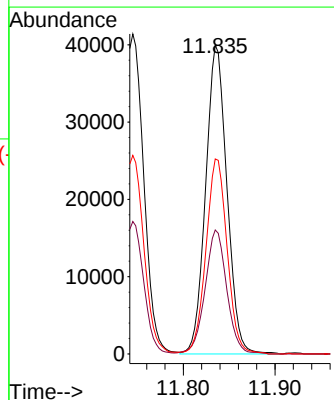
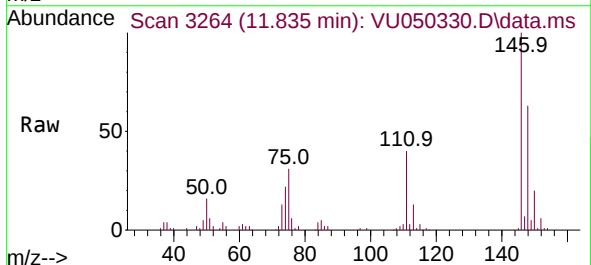
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

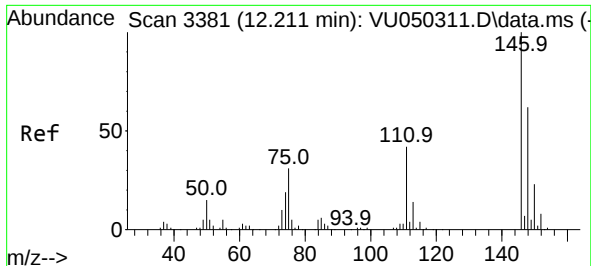
Tgt Ion:146 Resp: 67190
Ion Ratio Lower Upper
146 100
111 41.4 29.9 55.5
148 62.0 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 4.852 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion:146 Resp: 64501
Ion Ratio Lower Upper
146 100
111 40.1 28.1 52.1
148 63.1 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.054 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

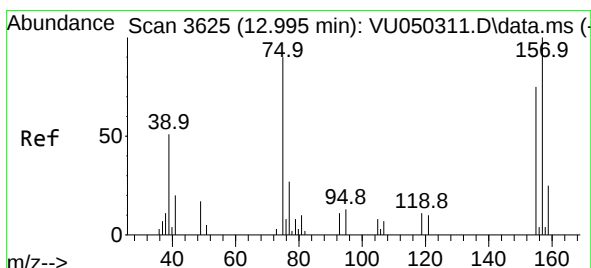
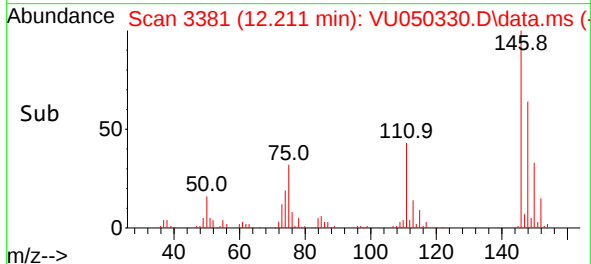
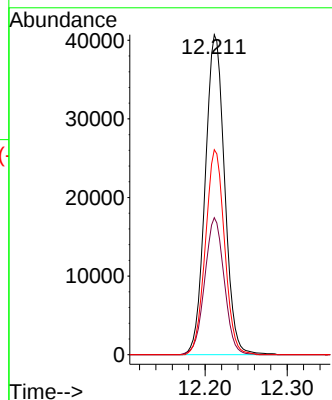
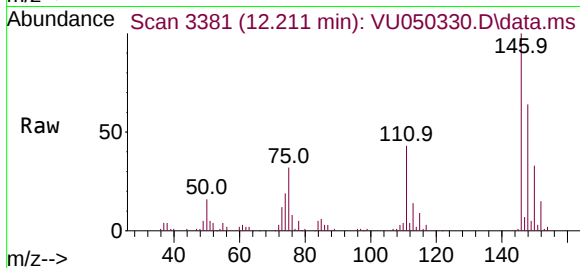
Tgt Ion:146 Resp: 66868

Ion Ratio Lower Upper

146 100

111 42.8 32.9 49.3

148 64.0 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.515 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

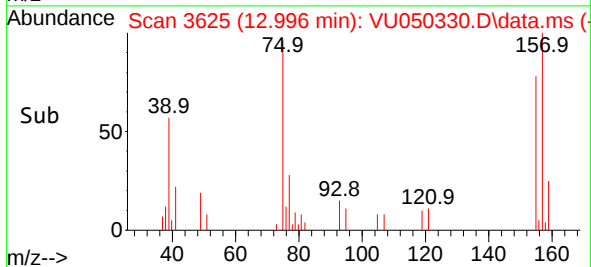
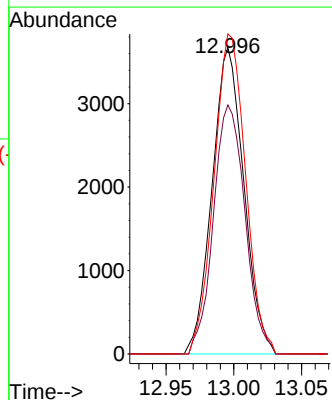
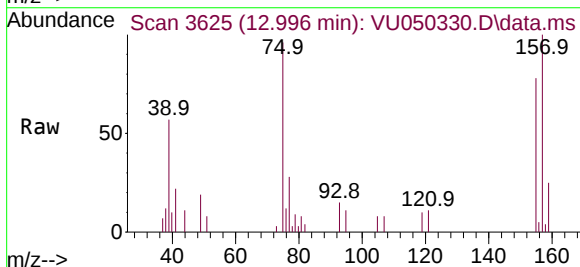
Tgt Ion: 75 Resp: 5979

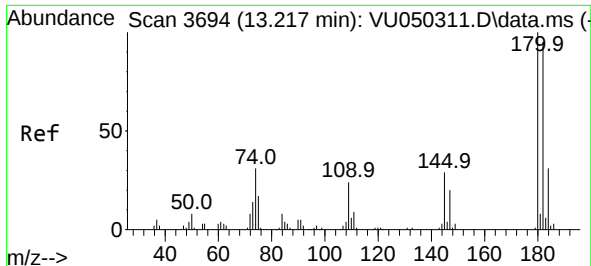
Ion Ratio Lower Upper

75 100

155 81.2 63.5 95.3

157 104.4 85.0 127.6





#69

1,3,5-Trichlorobenzene

Concen: 4.617 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

Tgt Ion:180 Resp: 44934

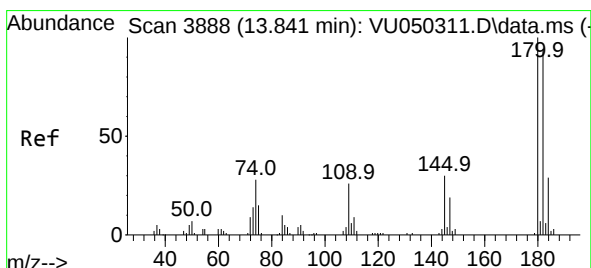
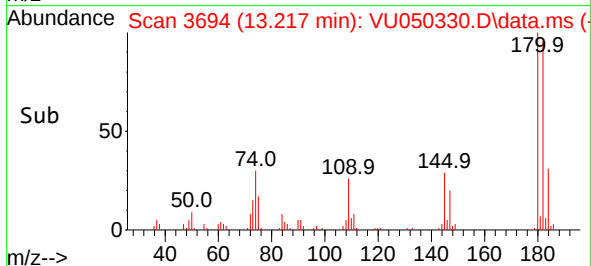
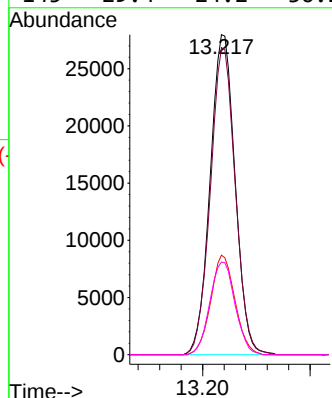
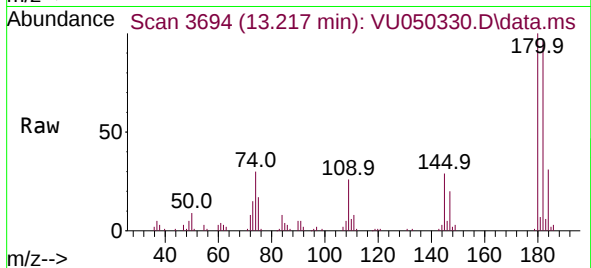
Ion Ratio Lower Upper

180 100

182 95.7 77.3 115.9

184 30.4 24.1 36.1

145 29.4 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 4.726 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU050330.D

Acq: 13 Aug 2022 19:56

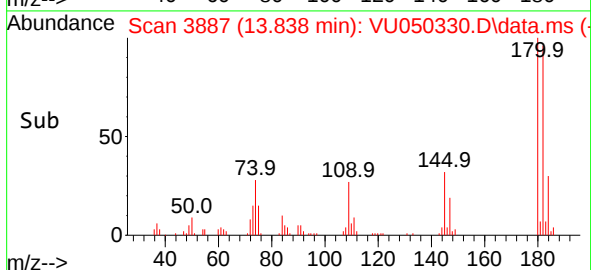
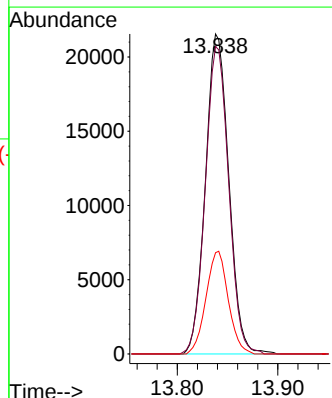
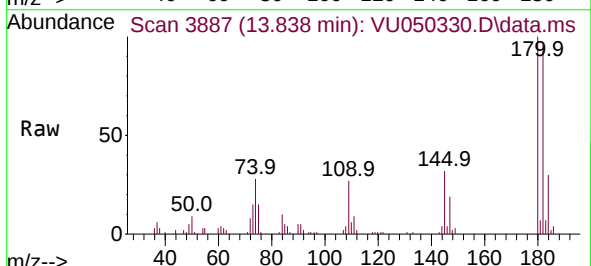
Tgt Ion:180 Resp: 34849

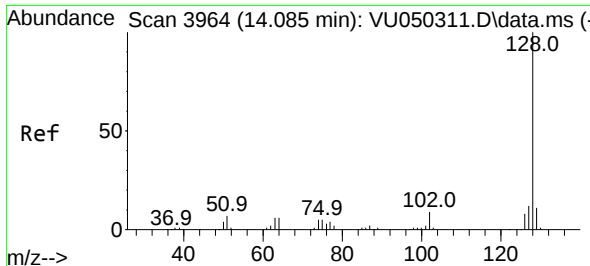
Ion Ratio Lower Upper

180 100

182 95.8 76.9 115.3

145 30.5 24.2 36.4

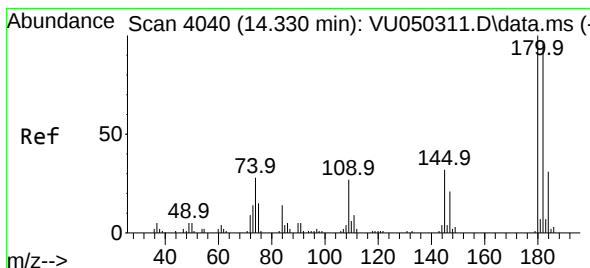
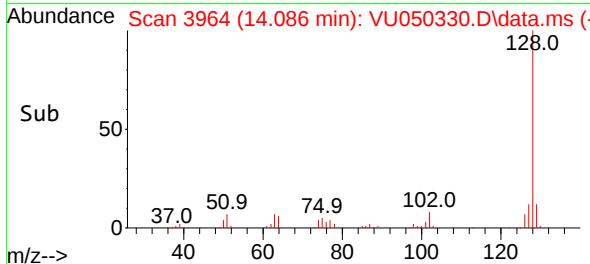
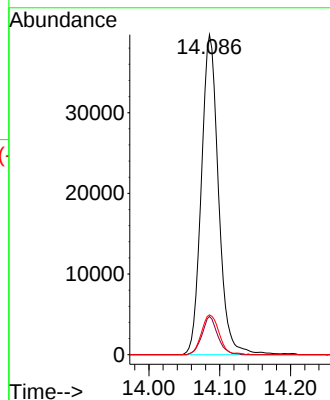
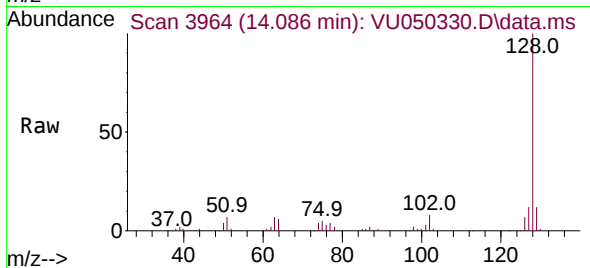




#71
Naphthalene
Concen: 4.416 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

Tgt Ion:	128	Resp:	66784
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	12.8	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.868 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050330.D
Acq: 13 Aug 2022 19:56

Tgt Ion:	180	Resp:	36392
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.5	116.3
145	32.4	25.8	38.6

