

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050830.D
 Acq On : 20 Sep 2022 13:50
 Operator : JC/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005031

Quant Time: Sep 21 02:09:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	413980	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	401624	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	165010	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	21595	5.789	ug/L	0.00
7) Chloroethane-d5	1.906	69	15457	6.132	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	33007	5.170	ug/L	0.00
21) 2-Butanone-d5	4.629	46	24617	9.365	ug/L	0.01
24) Chloroform-d	5.063	84	33189	4.919	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	21007	5.078	ug/L	0.00
32) Benzene-d6	5.729	84	62462	4.674	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	21899	5.012	ug/L	0.00
41) Toluene-d8	7.899	98	51463	4.489	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	8855	4.821	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	13298	10.494	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	32813	4.929	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	17881	4.660	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	21335	5.264	ug/L	94
3) Chloromethane	1.523	50	28023	6.286	ug/L	100
5) Vinyl chloride	1.604	62	26190	6.178	ug/L	95
6) Bromomethane	1.848	94	13758	6.337	ug/L	95
8) Chloroethane	1.929	64	14680	6.488	ug/L	99
9) Trichlorofluoromethane	2.134	101	28869	5.734	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18469	5.626	ug/L	95
12) 1,1-Dichloroethene	2.578	96	17220	5.430	ug/L	90
13) Acetone	2.623	43	34142	17.038	ug/L	99
14) Carbon disulfide	2.790	76	53490	5.599	ug/L	99
15) Methyl Acetate	2.948	43	24088	5.744	ug/L	99
16) Methylene chloride	3.041	84	29507	7.089	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	16481	4.937	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	47215	4.576	ug/L	97
19) 1,1-Dichloroethane	3.867	63	34995	5.398	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	18023	4.785	ug/L	94
22) 2-Butanone	4.707	43	30568	9.915	ug/L	98
23) Bromochloromethane	4.977	128	10397	5.350	ug/L	89
25) Chloroform	5.089	83	34883	5.309	ug/L	96
27) 1,2-Dichloroethane	5.793	62	26636	5.443	ug/L	97
29) Cyclohexane	5.385	56	24939	4.586	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	28424	5.256	ug/L	99
31) Carbon tetrachloride	5.523	117	23559	5.295	ug/L #	2
33) Benzene	5.774	78	76368	5.193	ug/L	100
34) Trichloroethene	6.542	95	17631	5.176	ug/L	98
35) Methylcyclohexane	6.761	83	25369	4.640	ug/L	97
37) 1,2-Dichloropropane	6.790	63	21415	5.502	ug/L #	97
38) Bromodichloromethane	7.105	83	25486	5.579	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	25641	4.878	ug/L	95
40) 4-Methyl-2-pentanone	7.790	43	49245	9.189	ug/L	99
42) Toluene	7.970	91	66941	4.478	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	23329	4.669	ug/L	100

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 ClientSampleId :
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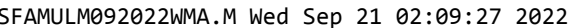
Quant Time: Sep 21 02:09:19 2022
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 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:08:30 2022
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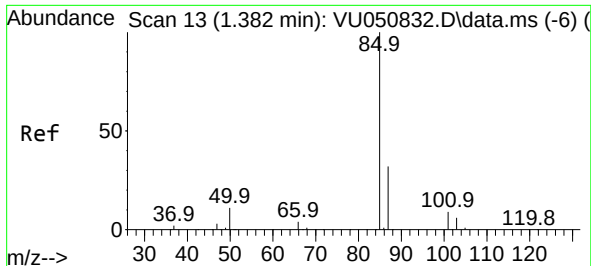
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.401	97	19088	5.126	ug/L	97
46) Tetrachloroethene	8.555	164	12380	4.977	ug/L	95
48) 2-Hexanone	8.684	43	41707	8.483	ug/L	94
49) Dibromochloromethane	8.809	129	17891	5.008	ug/L	93
50) 1,2-Dibromoethane	8.925	107	19071	5.027	ug/L	97
51) Chlorobenzene	9.446	112	44803	4.872	ug/L	97
52) Ethylbenzene	9.571	91	63608	4.334	ug/L	98
53) m,p-Xylene	9.693	106	22137	3.908	ug/L	97
54) o-Xylene	10.102	106	22169	3.965	ug/L	88
55) Styrene	10.115	104	36452	3.918	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.780	83	34202	5.093	ug/L	99
59) Bromoform	10.288	173	12983	5.243	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	27700	5.711	ug/L	98
61) Isopropylbenzene	10.484	105	55281	4.252	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	42456	3.837	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	40347	3.773	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	28004	4.874	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	28943	5.097	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	30675	5.025	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	7156	5.490	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	19917	4.843	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	15176	4.320	ug/L	98
71) Naphthalene	14.086	128	56519	4.439	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	17291	4.529	ug/L	97

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

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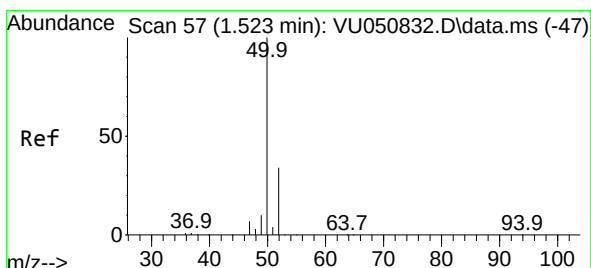
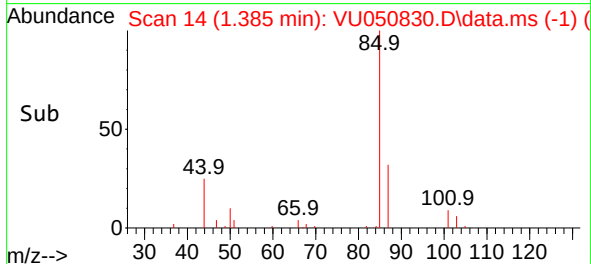
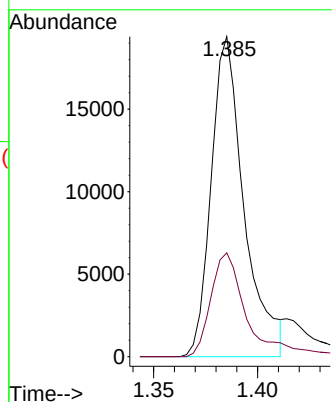
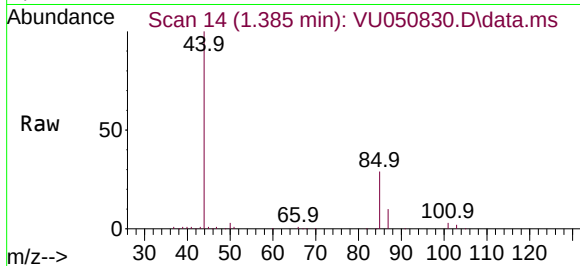




#2
Dichlorodifluoromethane
Concen: 5.264 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

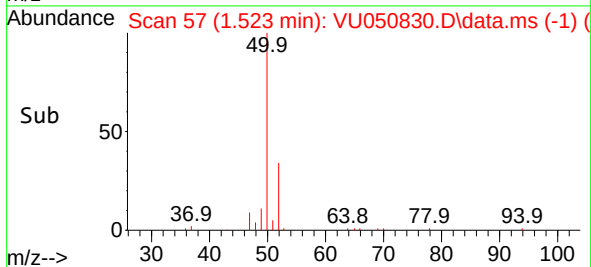
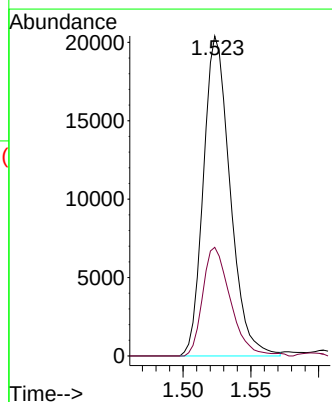
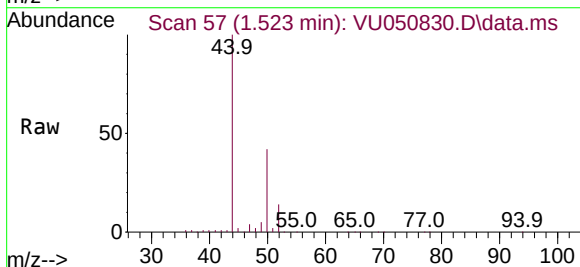
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

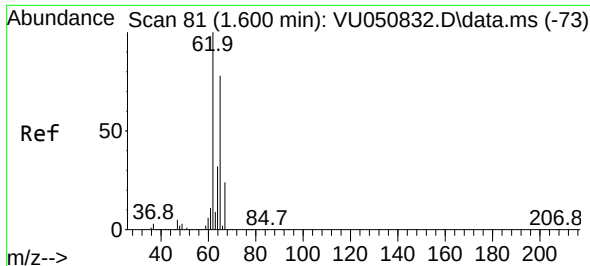
Tgt Ion: 85 Resp: 21335
Ion Ratio Lower Upper
85 100
87 35.8 25.8 38.8



#3
Chloromethane
Concen: 6.286 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 50 Resp: 28023
Ion Ratio Lower Upper
50 100
52 34.0 23.7 43.9

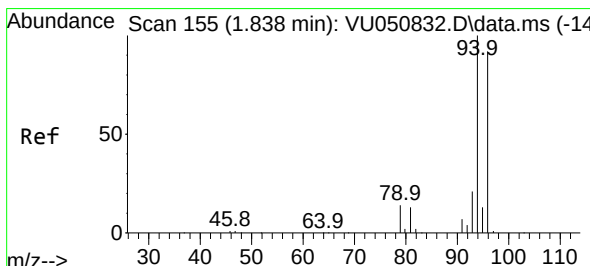
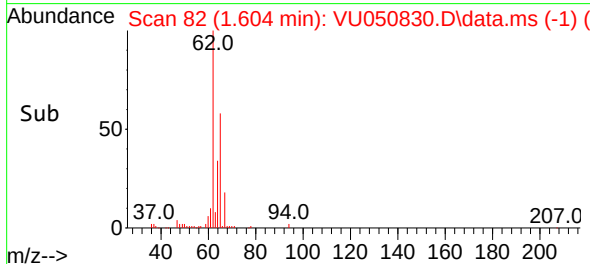
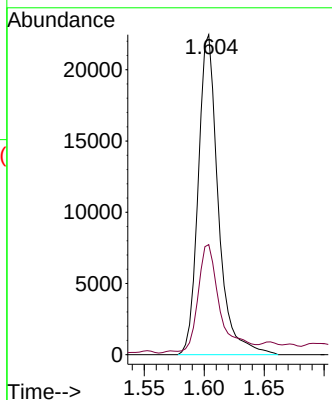
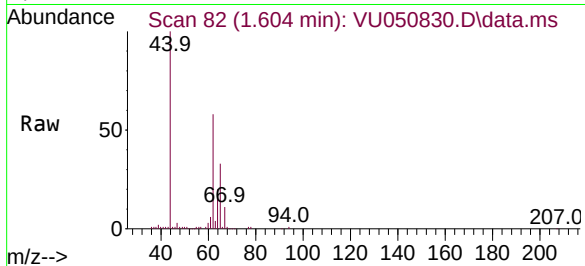




#5
 Vinyl chloride
 Concen: 6.178 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050830.D
 Acq: 20 Sep 2022 13:50

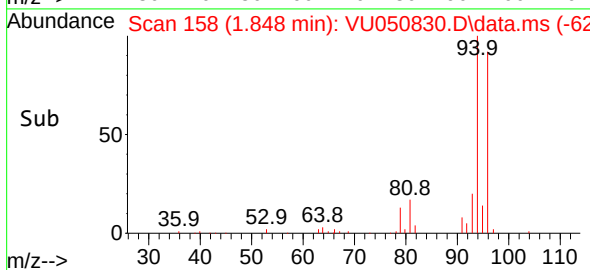
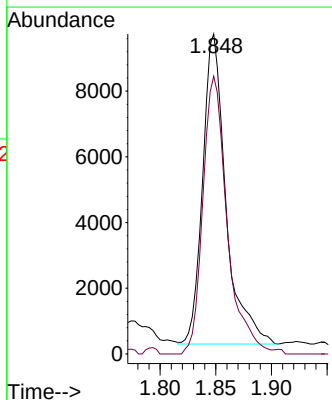
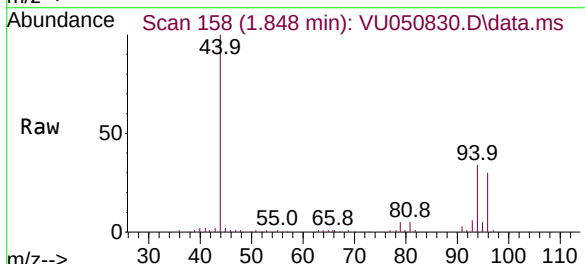
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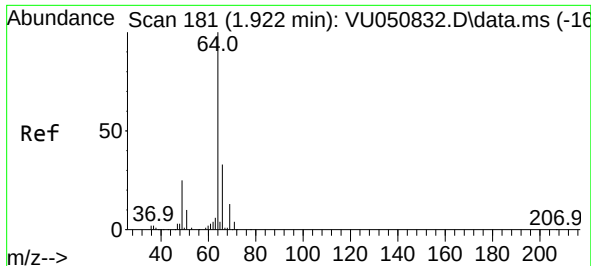
Tgt Ion: 62 Resp: 26190
 Ion Ratio Lower Upper
 62 100
 64 34.4 22.2 41.2



#6
 Bromomethane
 Concen: 6.337 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. 0.010 min
 Lab File: VU050830.D
 Acq: 20 Sep 2022 13:50

Tgt Ion: 94 Resp: 13758
 Ion Ratio Lower Upper
 94 100
 96 86.8 64.0 119.0

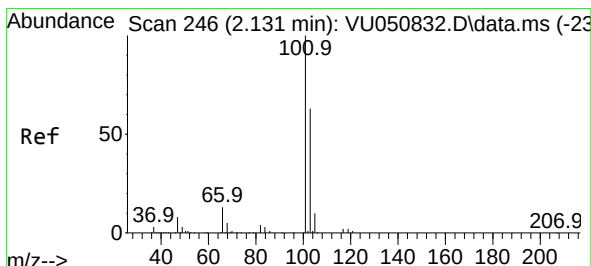
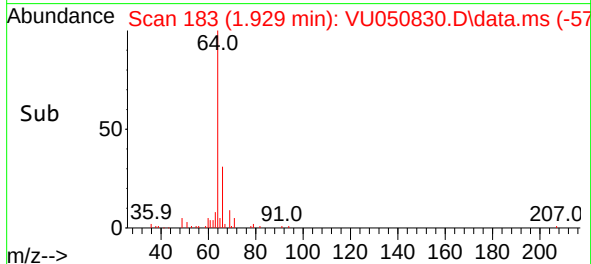
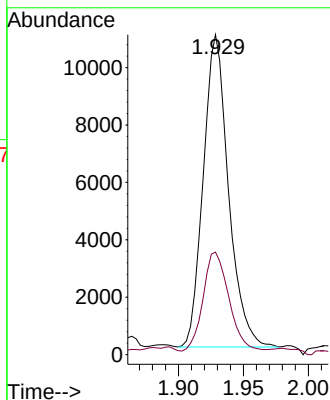
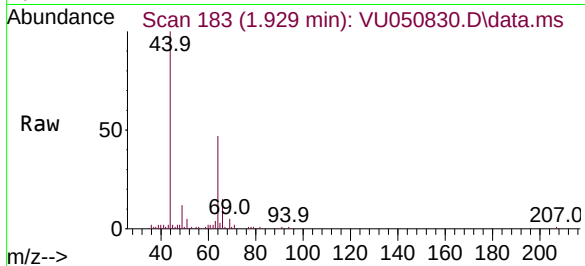




#8
Chloroethane
Concen: 6.488 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

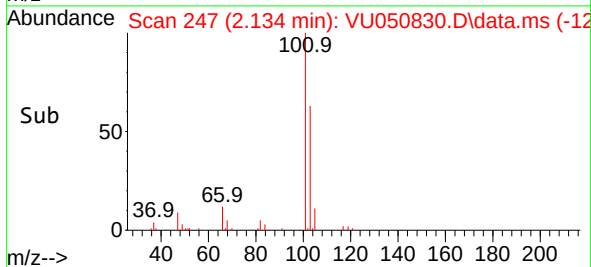
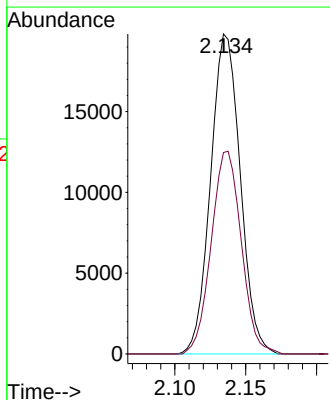
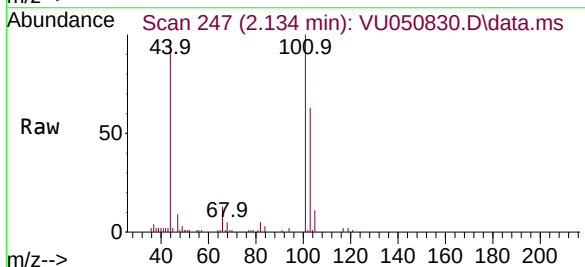
Instrument :
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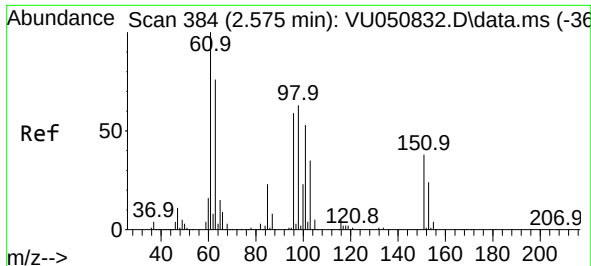
Tgt Ion: 64 Resp: 14680
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.734 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:101 Resp: 28869
Ion Ratio Lower Upper
101 100
103 64.2 50.9 76.3

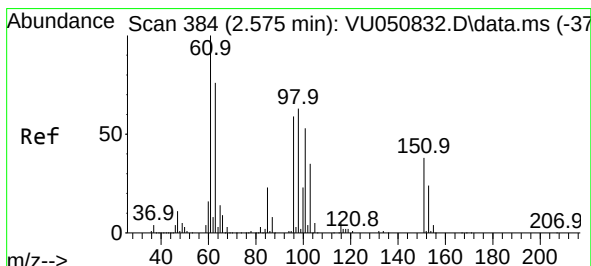
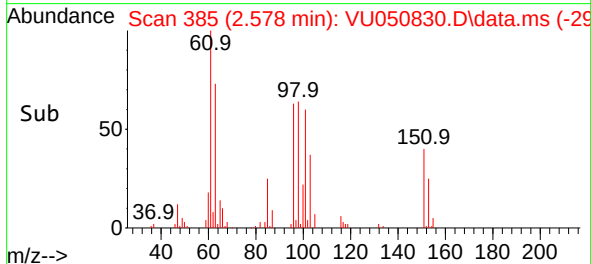
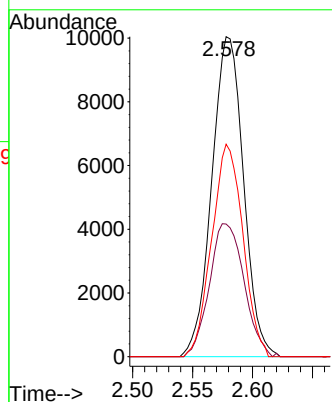
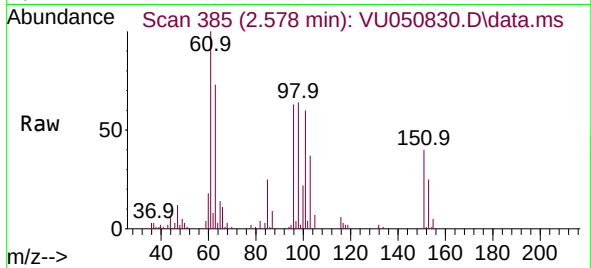




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.626 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

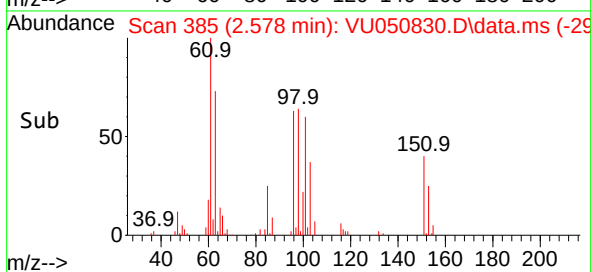
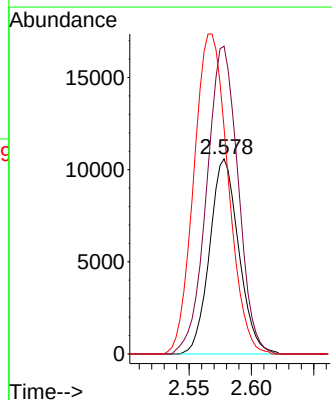
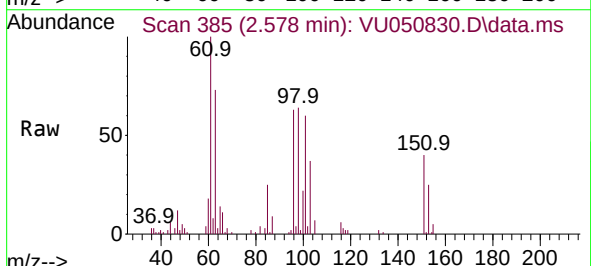
Instrument :
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ClientSampleId :
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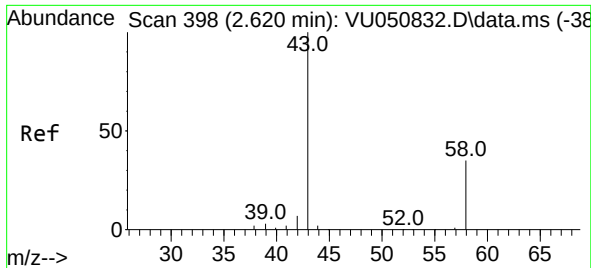
Tgt Ion:101 Resp: 18469
Ion Ratio Lower Upper
101 100
85 45.3 35.1 52.7
151 65.3 56.6 84.8



#12
1,1-Dichloroethene
Concen: 5.430 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 96 Resp: 17220
Ion Ratio Lower Upper
96 100
61 157.9 118.6 220.2
63 116.0 90.4 168.0





#13

Acetone

Concen: 17.038 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

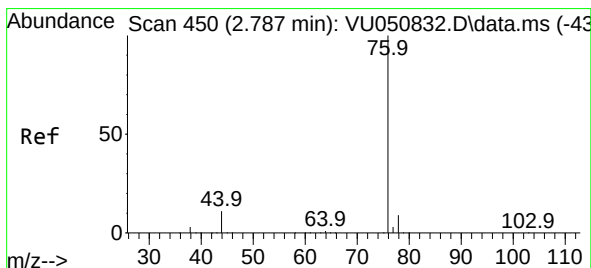
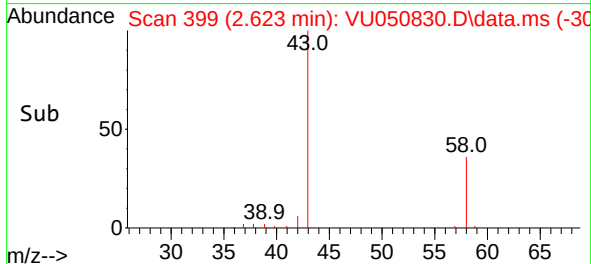
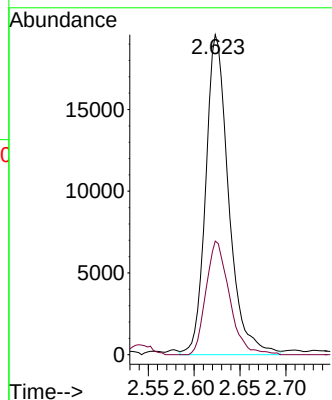
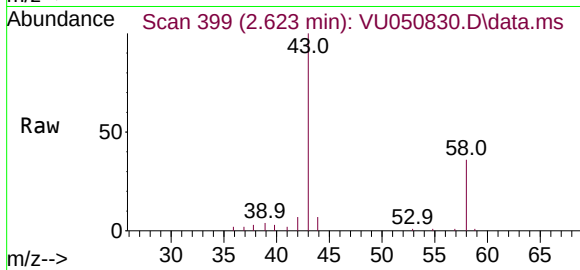
VSTD005031

Tgt Ion: 43 Resp: 34142

Ion Ratio Lower Upper

43 100

58 35.3 0.0 71.4



#14

Carbon disulfide

Concen: 5.599 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050830.D

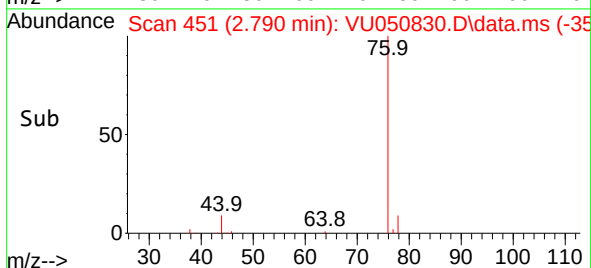
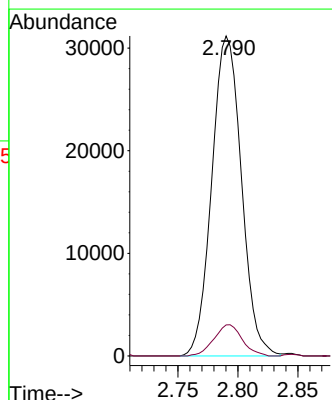
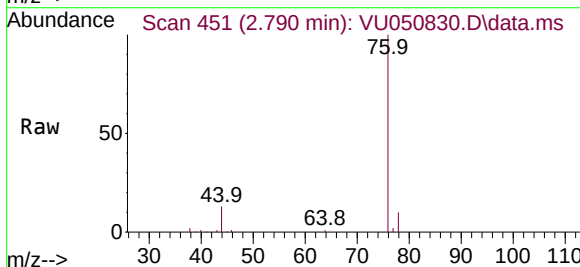
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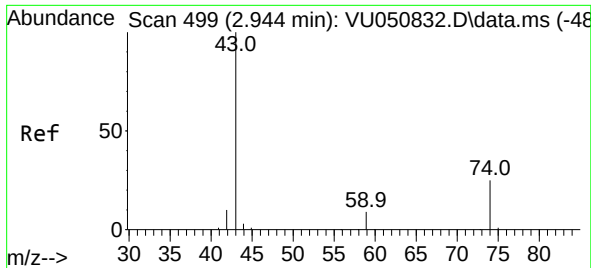
Tgt Ion: 76 Resp: 53490

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

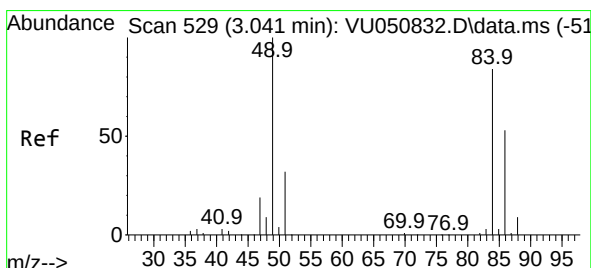
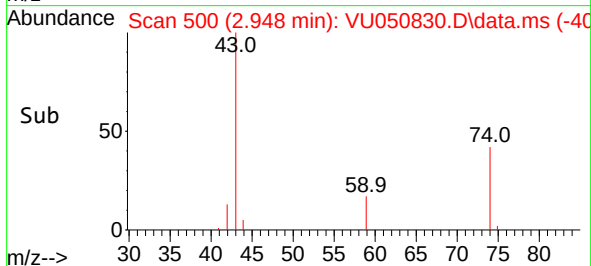
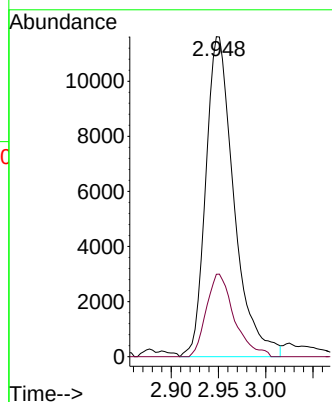
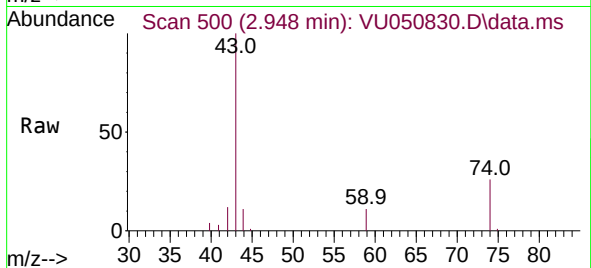




#15
Methyl Acetate
Concen: 5.744 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

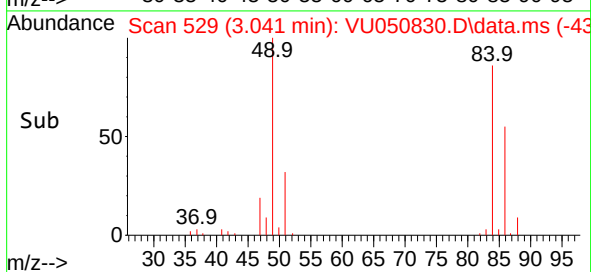
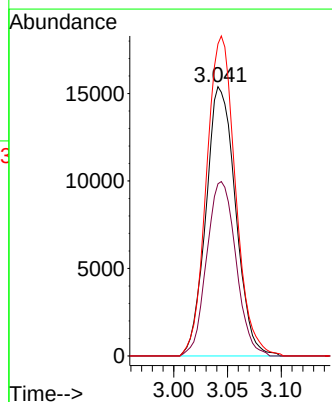
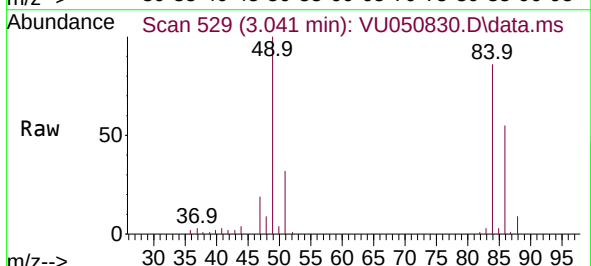
Instrument :
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ClientSampleId :
VSTD005031

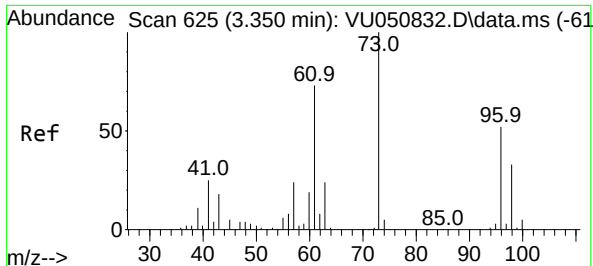
Tgt Ion: 43 Resp: 24088
Ion Ratio Lower Upper
43 100
74 25.5 19.9 29.9



#16
Methylene chloride
Concen: 7.089 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 84 Resp: 29507
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 115.9 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 4.937 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

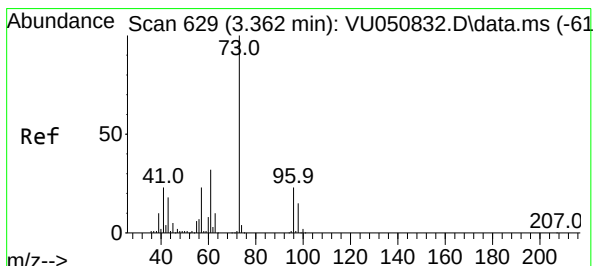
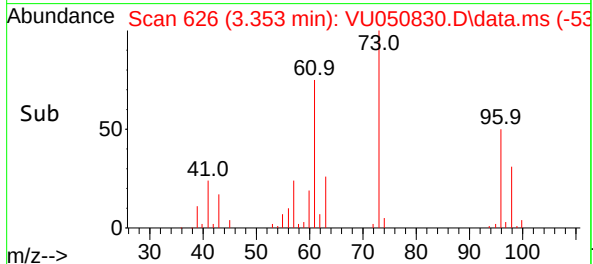
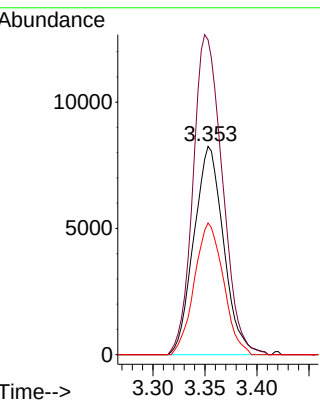
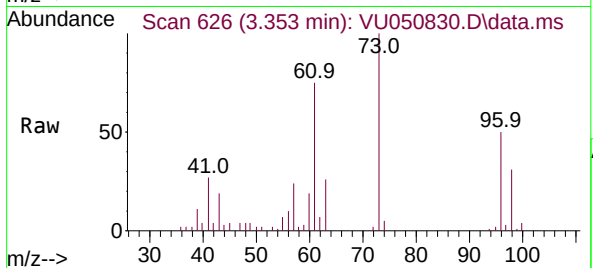
Tgt Ion: 96 Resp: 16481

Ion Ratio Lower Upper

96 100

61 151.2 98.0 182.0

98 63.2 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 4.576 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

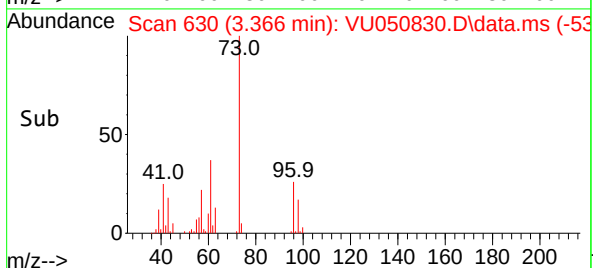
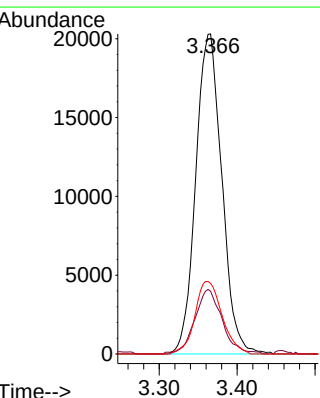
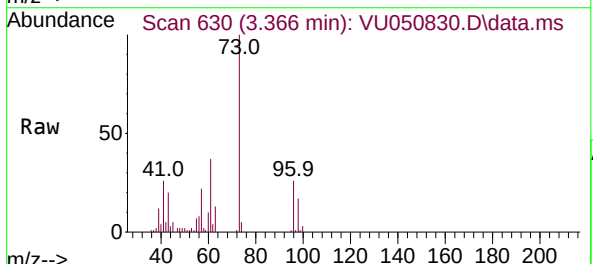
Tgt Ion: 73 Resp: 47215

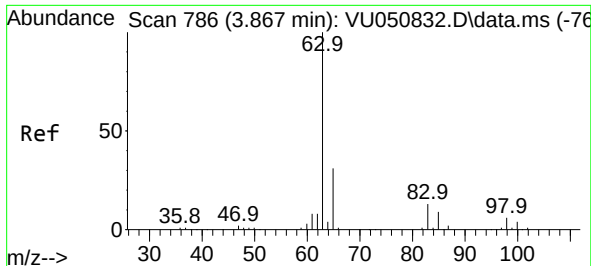
Ion Ratio Lower Upper

73 100

43 21.0 14.4 21.6

57 23.6 18.6 27.8





#19

1,1-Dichloroethane

Concen: 5.398 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

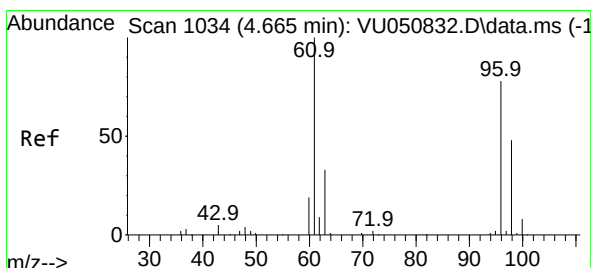
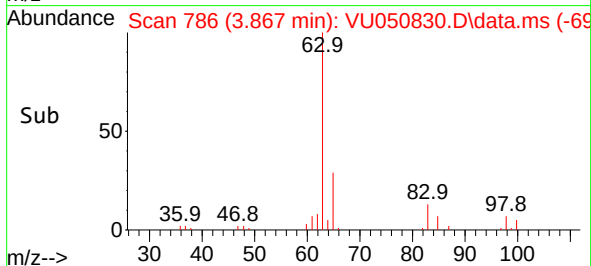
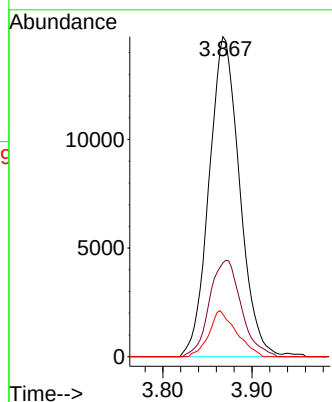
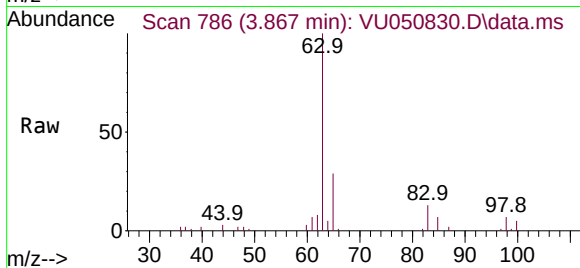
Tgt Ion: 63 Resp: 34995

Ion Ratio Lower Upper

63 100

65 29.3 21.5 39.9

83 13.3 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 4.785 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

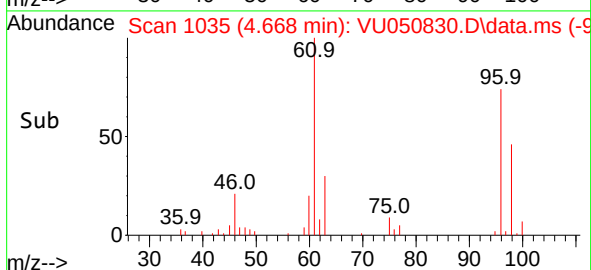
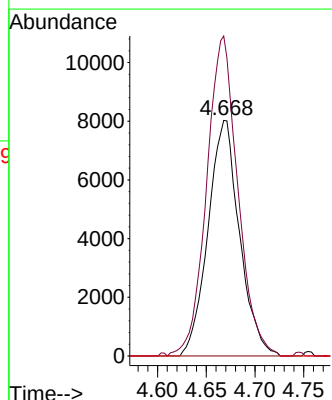
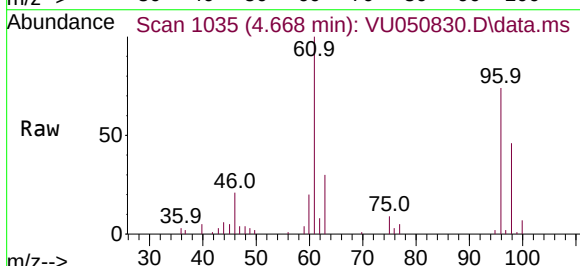
Tgt Ion: 96 Resp: 18023

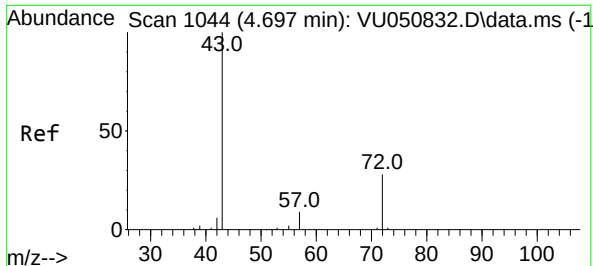
Ion Ratio Lower Upper

96 100

61 135.8 90.1 167.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.915 ug/L

RT: 4.707 min Scan# 1109

Delta R.T. 0.010 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

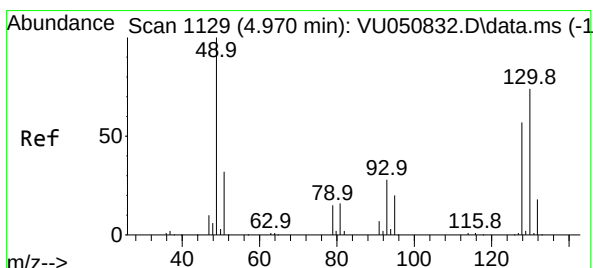
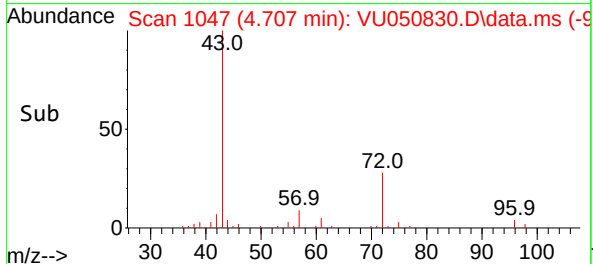
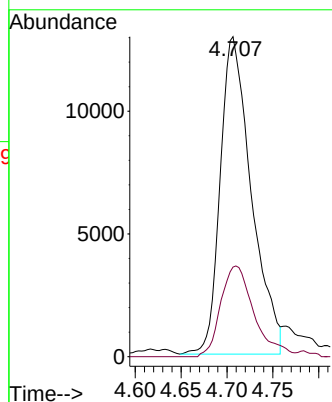
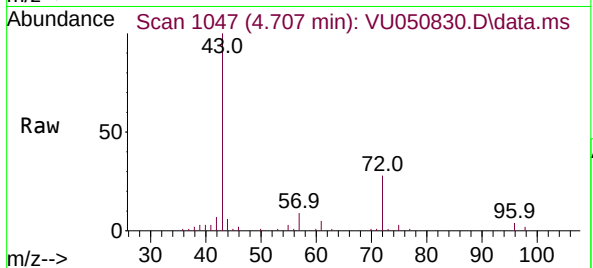
VSTD005031

Tgt Ion: 43 Resp: 30568

Ion Ratio Lower Upper

43 100

72 30.6 14.8 44.3



#23

Bromochloromethane

Concen: 5.350 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.007 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Tgt Ion: 128 Resp: 10397

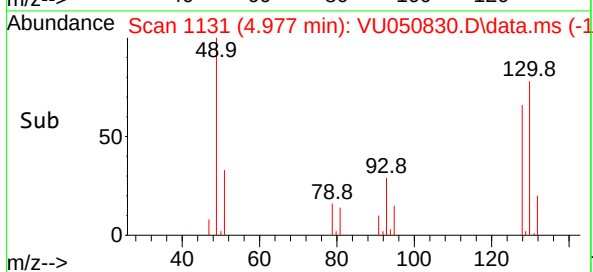
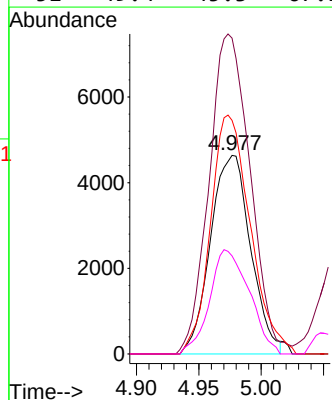
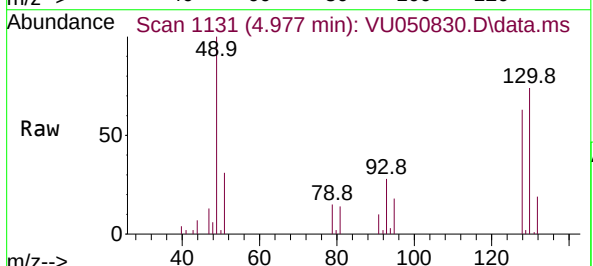
Ion Ratio Lower Upper

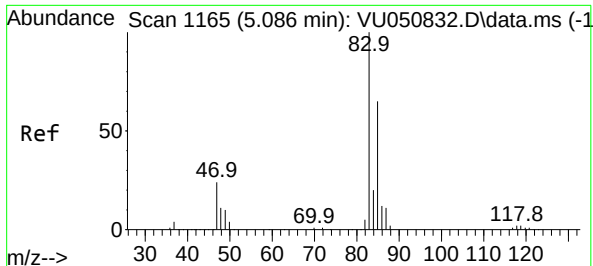
128 100

49 159.0 123.1 228.5

130 117.6 90.9 168.7

51 49.4 45.3 67.9





#25

Chloroform

Concen: 5.309 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

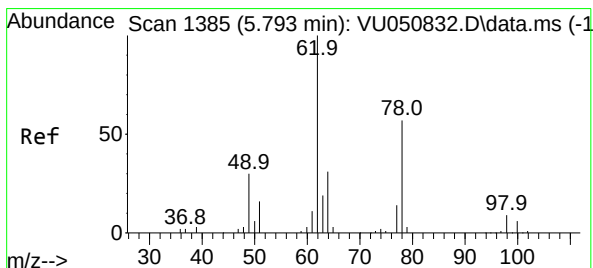
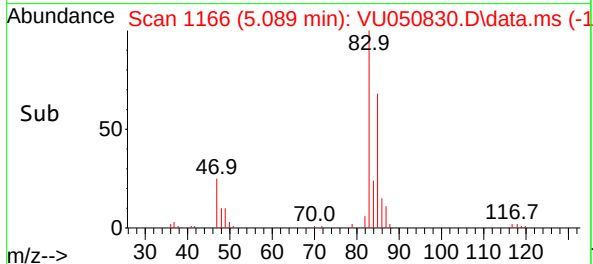
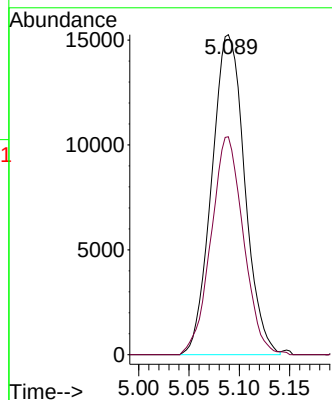
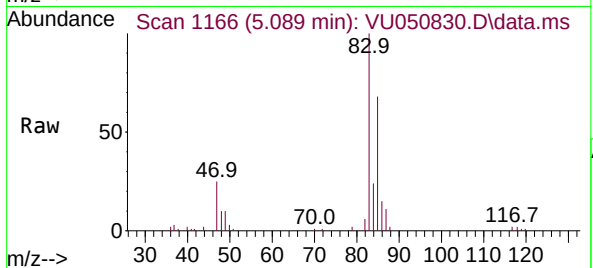
VSTD005031

Tgt Ion: 83 Resp: 34883

Ion Ratio Lower Upper

83 100

85 68.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.443 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050830.D

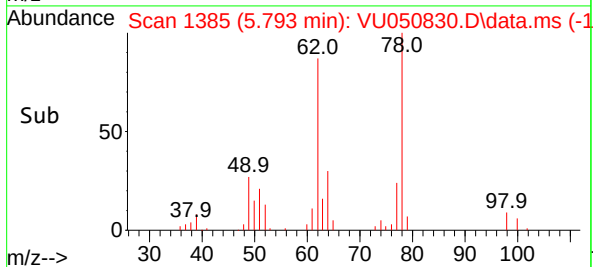
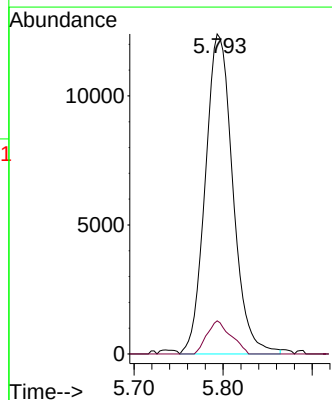
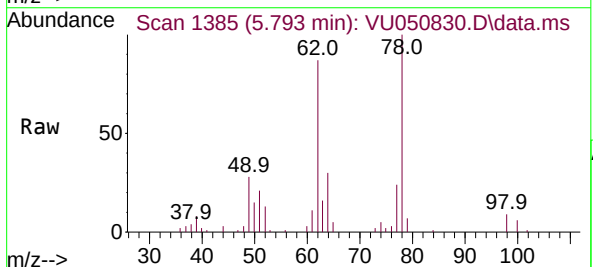
Acq: 20 Sep 2022 13:50

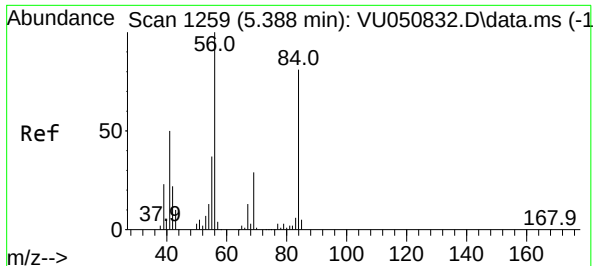
Tgt Ion: 62 Resp: 26636

Ion Ratio Lower Upper

62 100

98 10.4 7.4 11.0





#29

Cyclohexane

Concen: 4.586 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

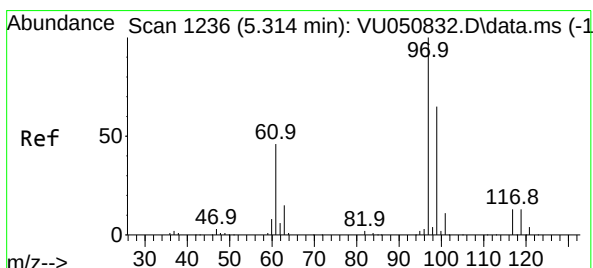
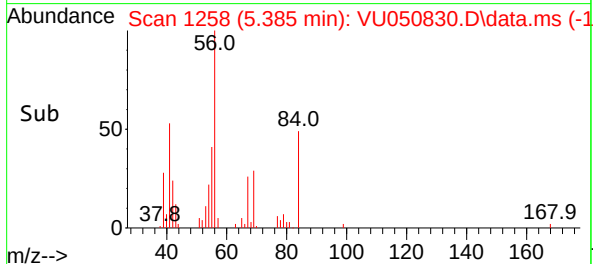
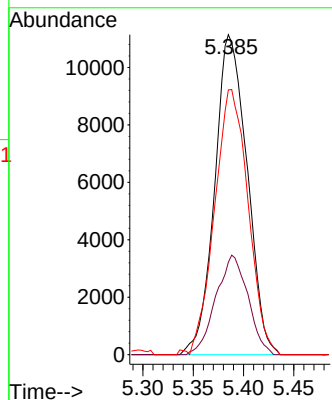
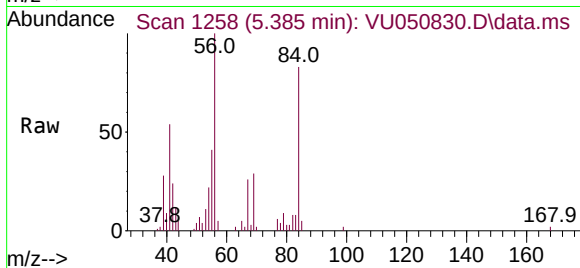
Tgt Ion: 56 Resp: 24939

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 85.5 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 5.256 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

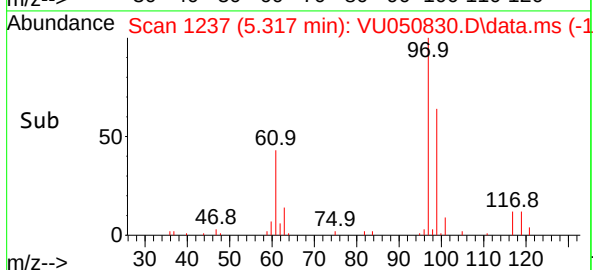
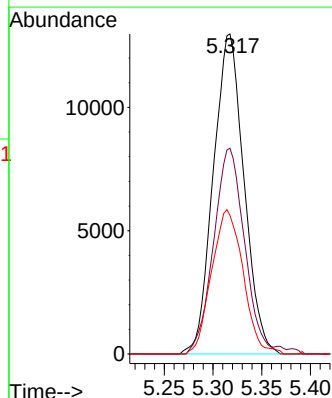
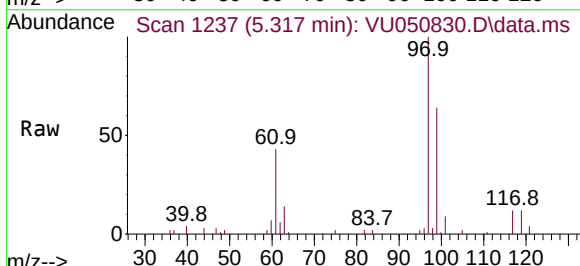
Tgt Ion: 97 Resp: 28424

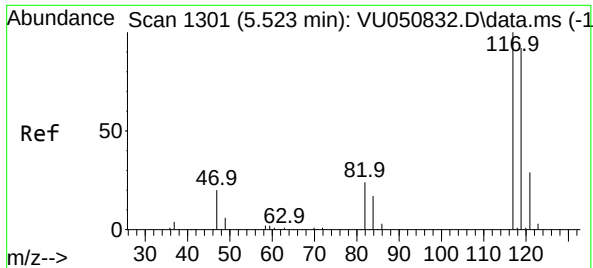
Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

61 46.2 37.1 55.7

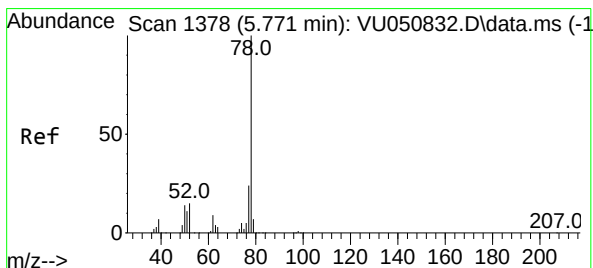
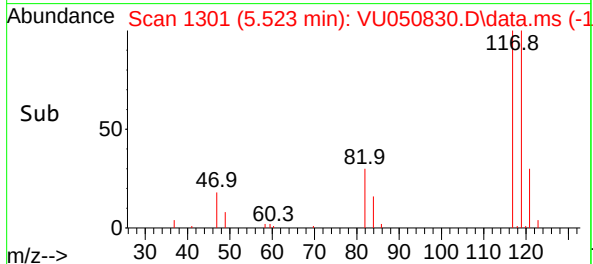
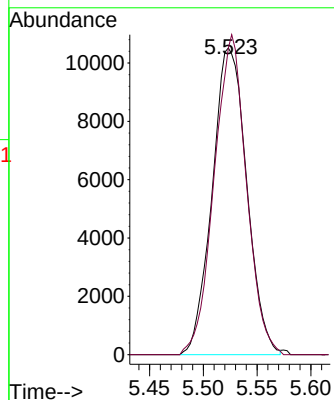
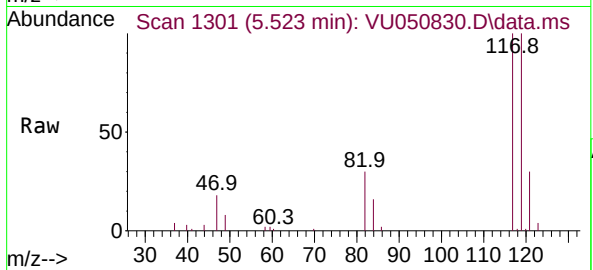




#31
Carbon tetrachloride
Concen: 5.295 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

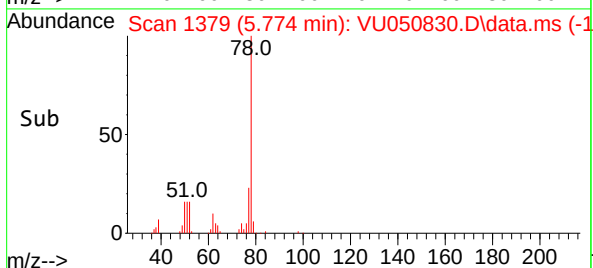
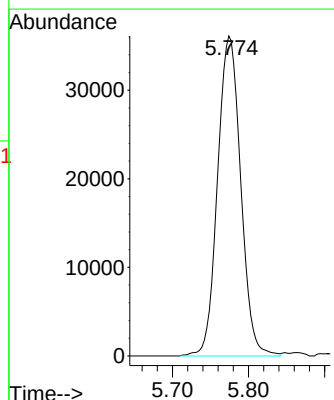
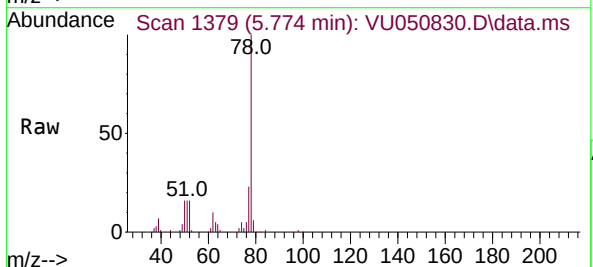
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

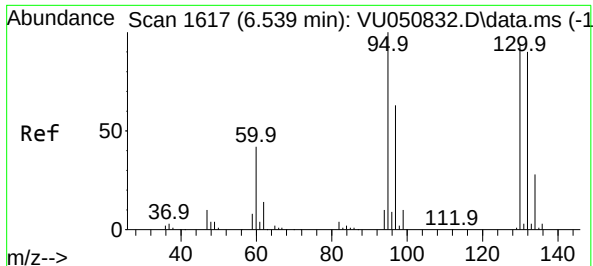
Tgt Ion:117 Resp: 23559
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#



#33
Benzene
Concen: 5.193 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 78 Resp: 76368

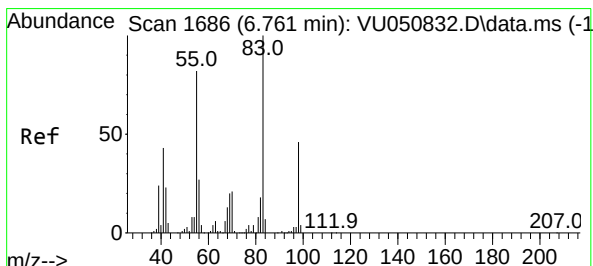
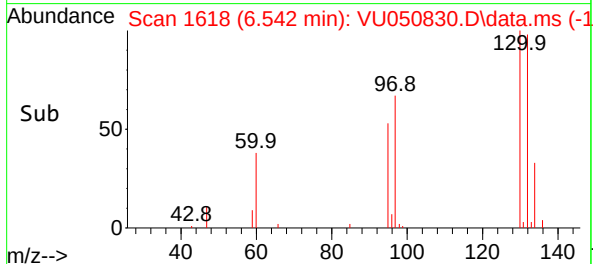
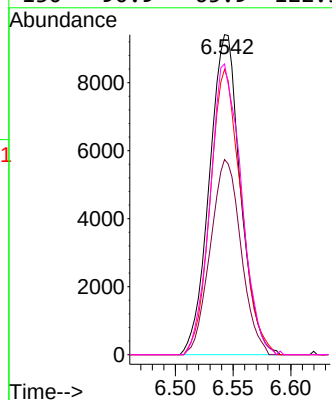
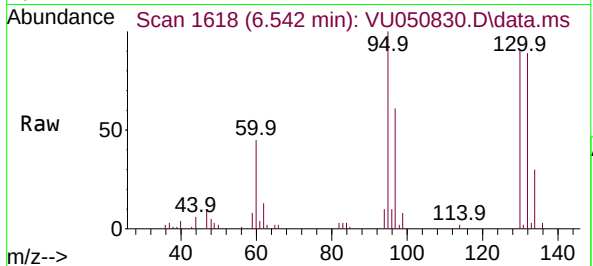




#34
Trichloroethene
Concen: 5.176 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

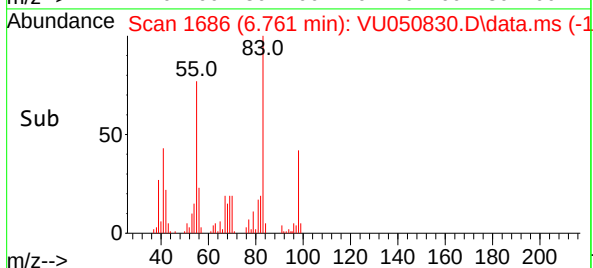
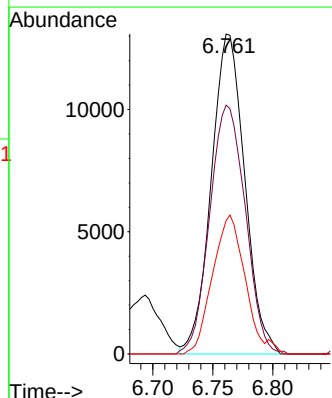
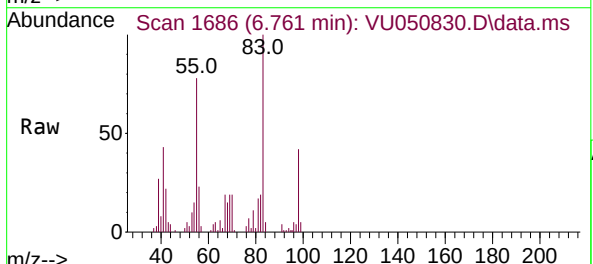
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

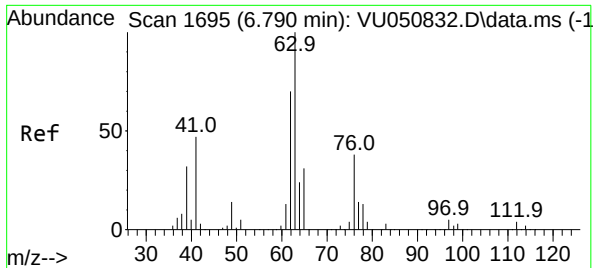
Tgt Ion:	95	Resp:	17631
Ion	Ratio	Lower	Upper
95	100		
97	61.0	43.9	81.5
132	89.2	63.1	117.1
130	90.9	65.9	122.3



#35
Methylcyclohexane
Concen: 4.640 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:	83	Resp:	25369
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.7	97.1
98	41.4	35.2	52.8





#37

1,2-Dichloropropane

Concen: 5.502 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

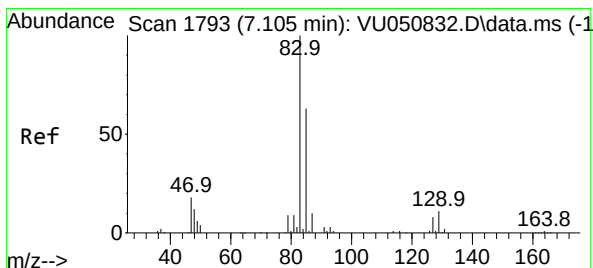
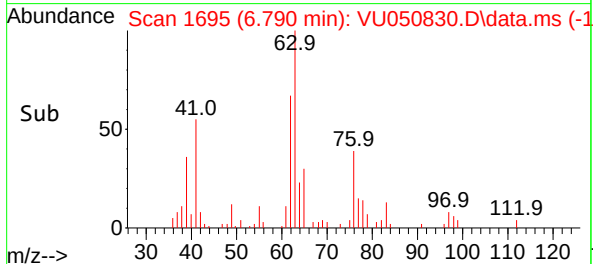
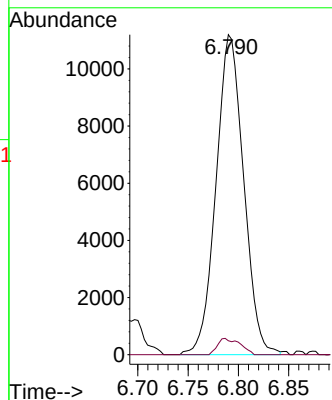
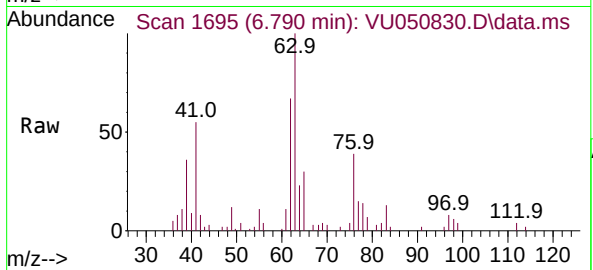
VSTD005031

Tgt Ion: 63 Resp: 21415

Ion Ratio Lower Upper

63 100

112 2.5 2.9 4.3#



#38

Bromodichloromethane

Concen: 5.579 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

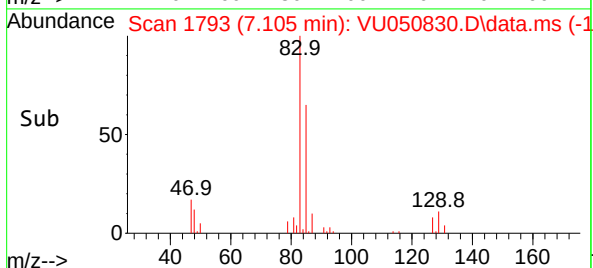
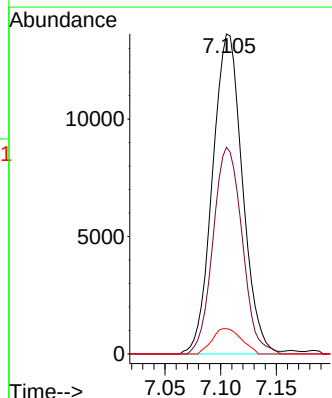
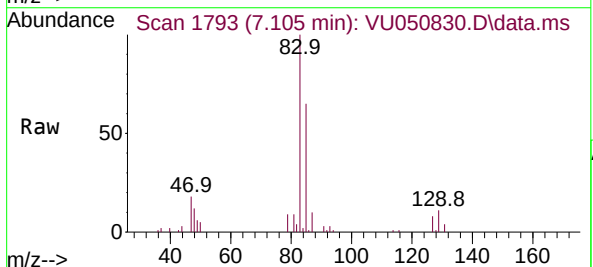
Tgt Ion: 83 Resp: 25486

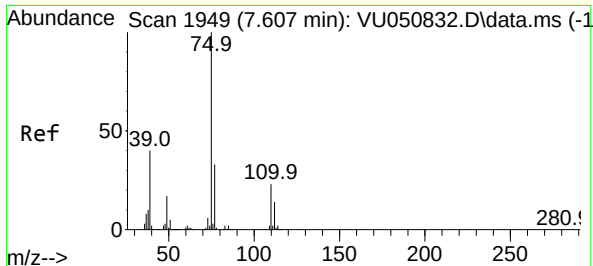
Ion Ratio Lower Upper

83 100

85 64.6 44.3 82.3

127 7.9 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 4.878 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

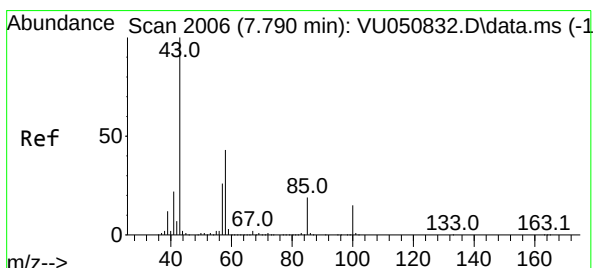
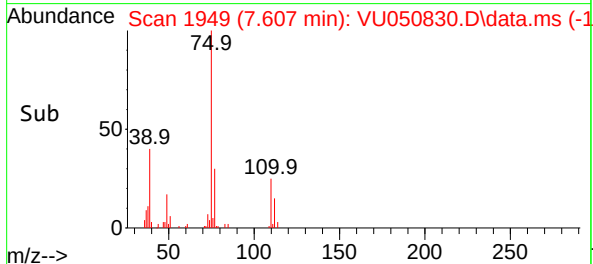
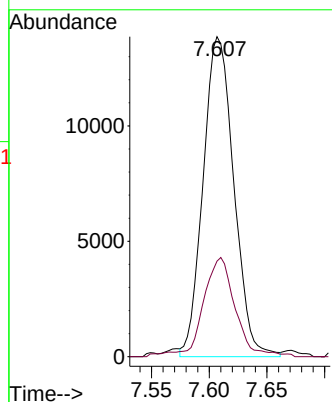
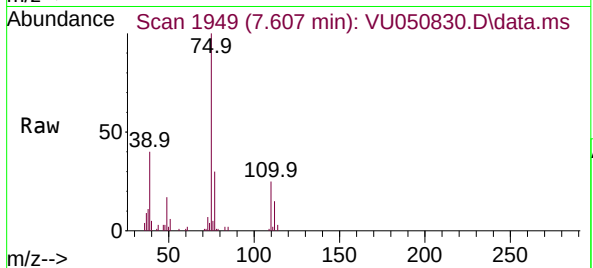
VSTD005031

Tgt Ion: 75 Resp: 25641

Ion Ratio Lower Upper

75 100

77 29.9 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 9.189 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

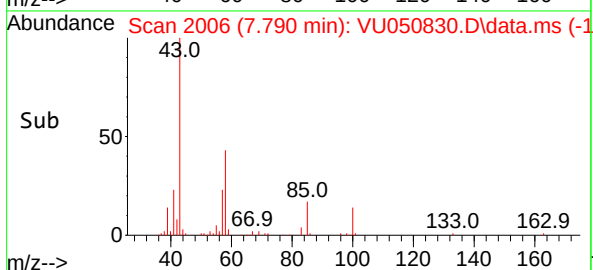
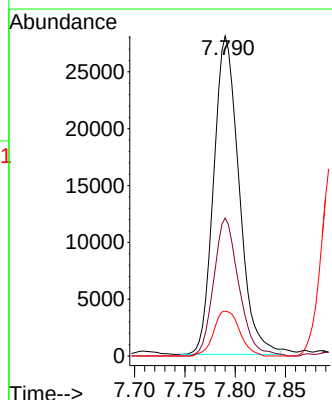
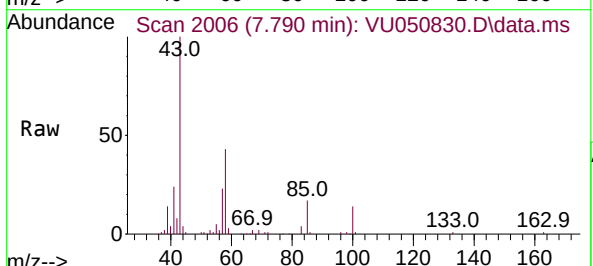
Tgt Ion: 43 Resp: 49245

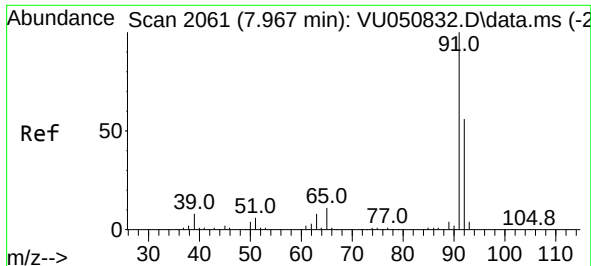
Ion Ratio Lower Upper

43 100

58 42.9 33.8 50.6

100 14.4 12.0 18.0

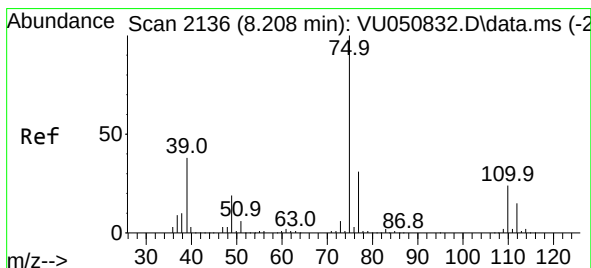
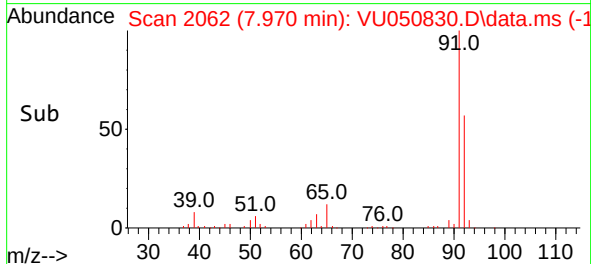
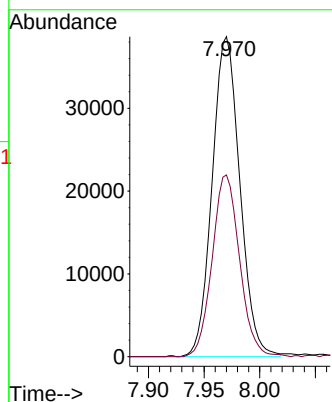
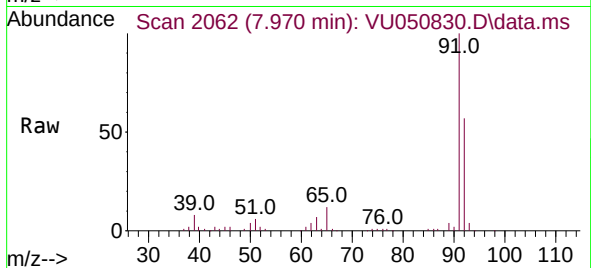




#42
Toluene
Concen: 4.478 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

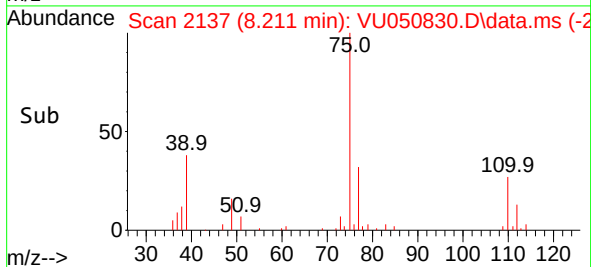
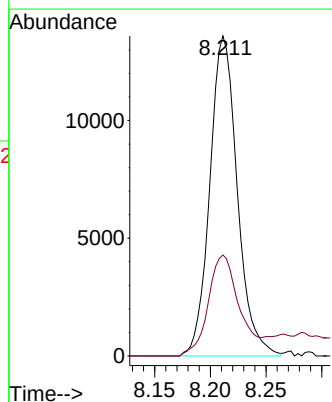
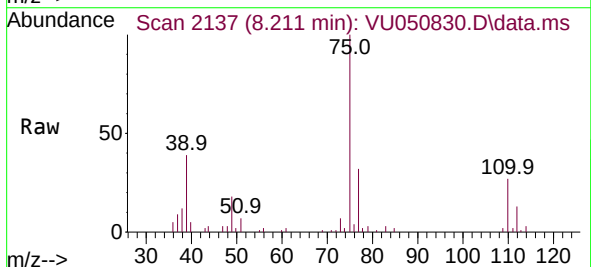
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

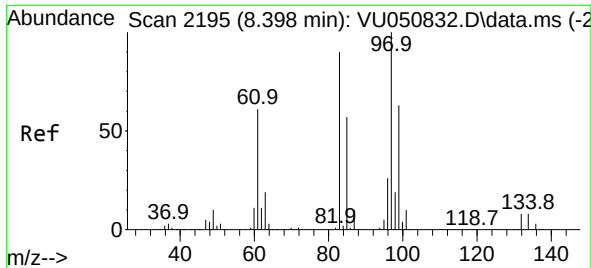
Tgt Ion: 91 Resp: 66941
Ion Ratio Lower Upper
91 100
92 56.8 39.1 72.5



#44
trans-1,3-Dichloropropene
Concen: 4.669 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 75 Resp: 23329
Ion Ratio Lower Upper
75 100
77 31.6 21.9 40.7

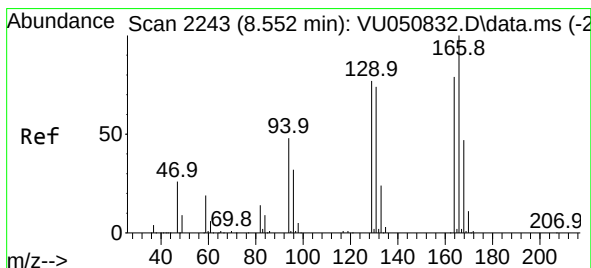
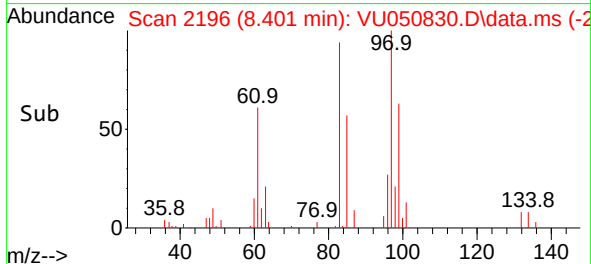
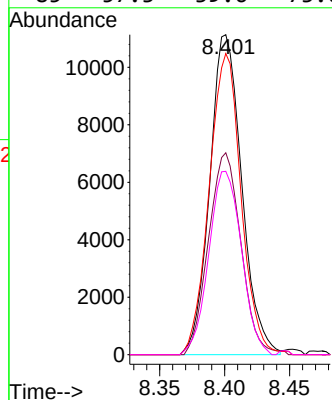
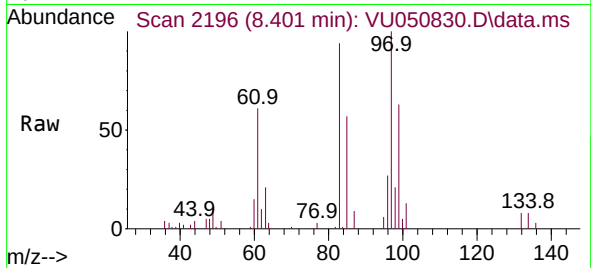




#45
1,1,2-Trichloroethane
Concen: 5.126 ug/L
RT: 8.401 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

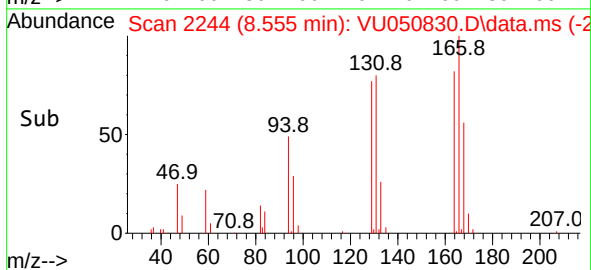
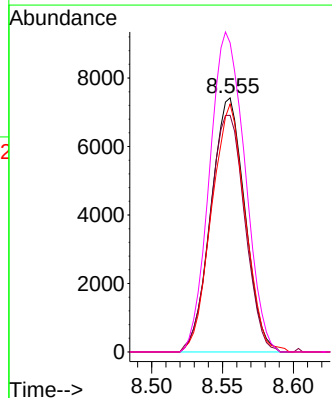
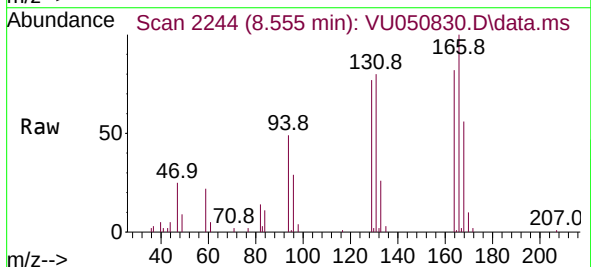
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

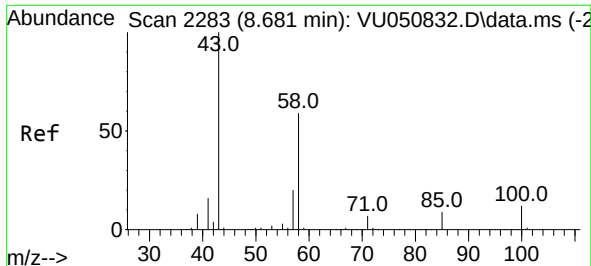
Tgt Ion:	97	Resp:	19088
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.8	81.4
83	94.1	62.6	116.3
85	57.3	39.6	73.6



#46
Tetrachloroethene
Concen: 4.977 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:	164	Resp:	12380
Ion	Ratio	Lower	Upper
164	100		
129	91.5	68.5	127.3
131	95.9	66.1	122.7
166	119.5	88.8	164.8

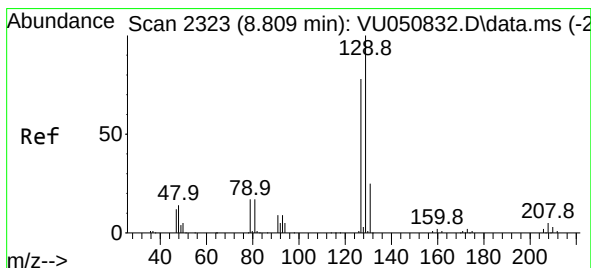
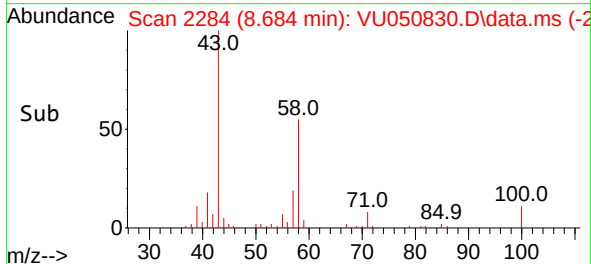
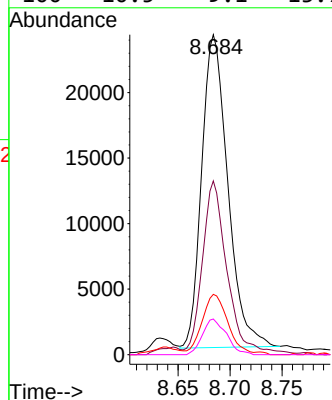
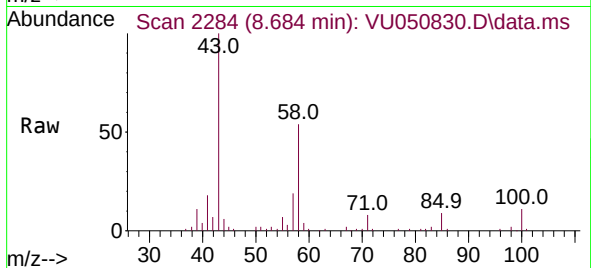




#48
2-Hexanone
Concen: 8.483 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

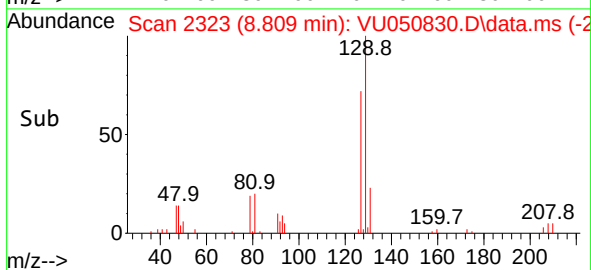
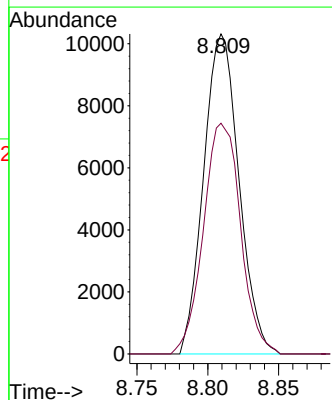
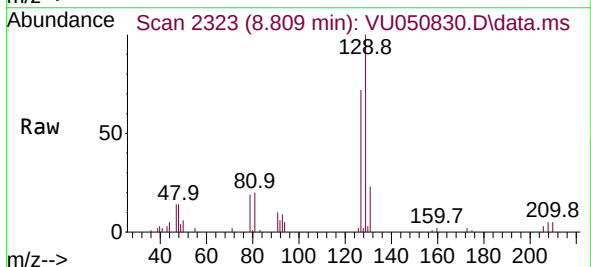
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

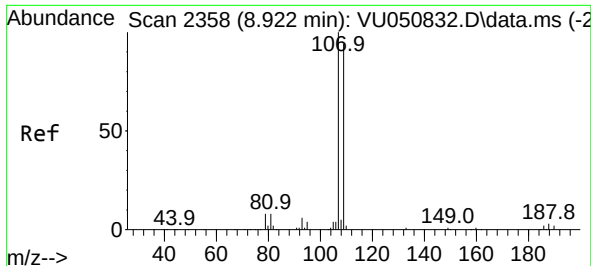
Tgt Ion:	43	Resp:	41707
Ion	Ratio	Lower	Upper
43	100		
58	52.7	47.2	70.8
57	19.0	16.2	24.4
100	10.5	9.1	13.7



#49
Dibromochloromethane
Concen: 5.008 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:	129	Resp:	17891
Ion	Ratio	Lower	Upper
129	100		
127	72.1	54.5	101.1

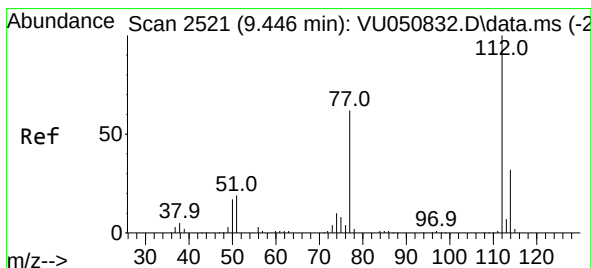
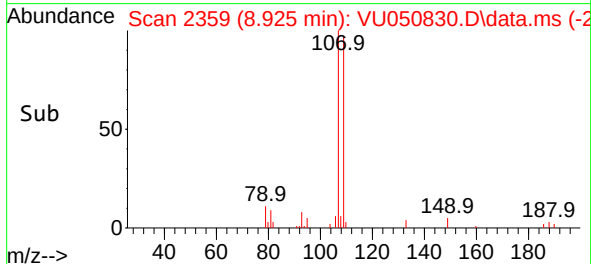
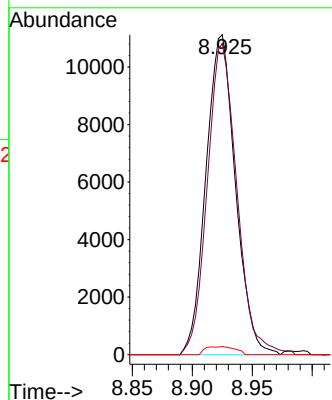
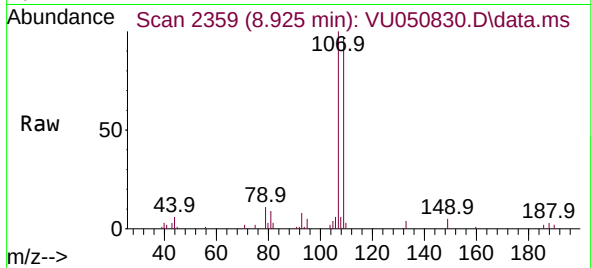




#50
1,2-Dibromoethane
Concen: 5.027 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

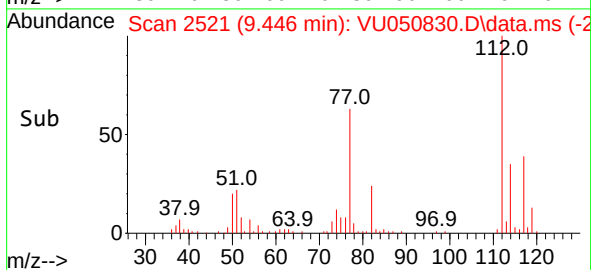
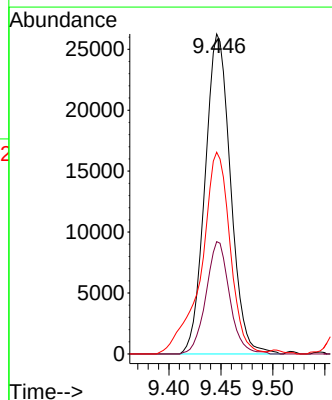
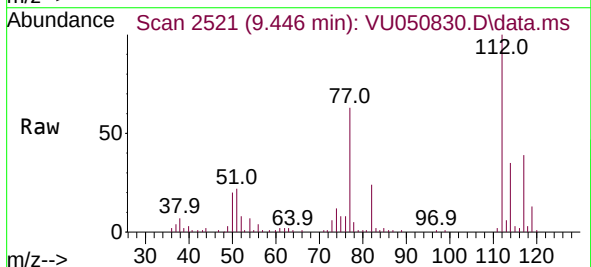
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

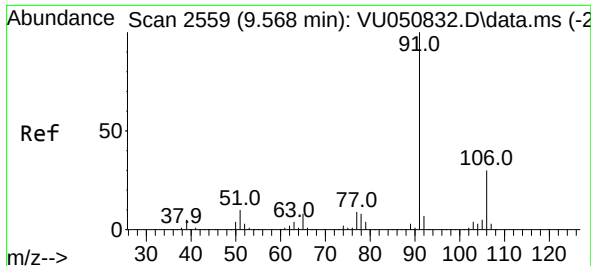
Tgt Ion:107 Resp: 19071
Ion Ratio Lower Upper
107 100
109 97.3 66.0 122.6
188 2.5 2.5 3.7



#51
Chlorobenzene
Concen: 4.872 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:112 Resp: 44803
Ion Ratio Lower Upper
112 100
114 35.1 22.3 41.3
77 63.1 49.8 74.8

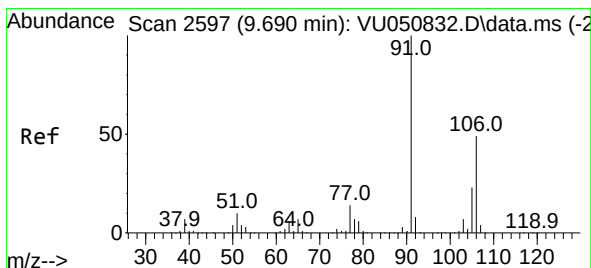
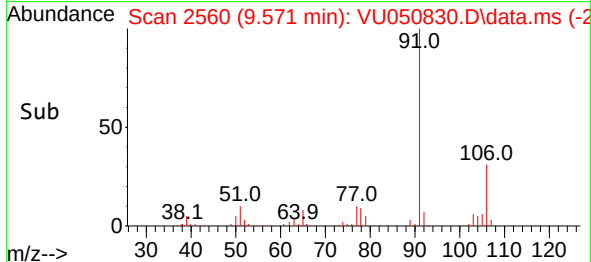
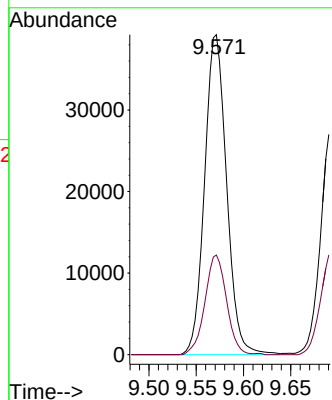
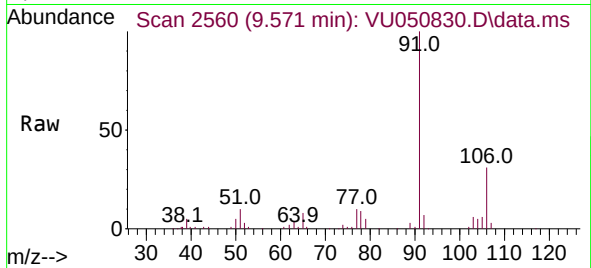




#52
Ethylbenzene
Concen: 4.334 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

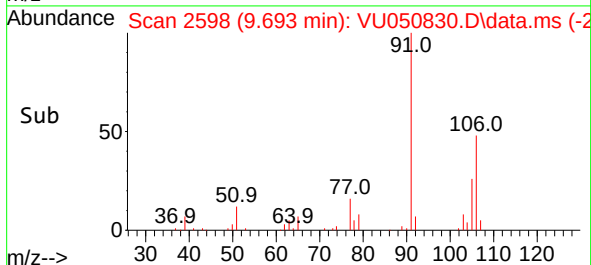
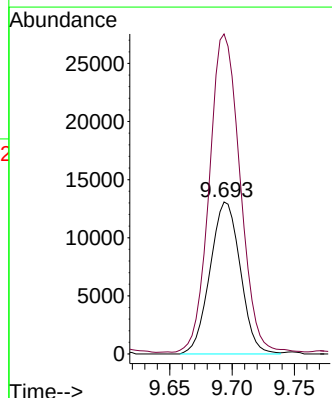
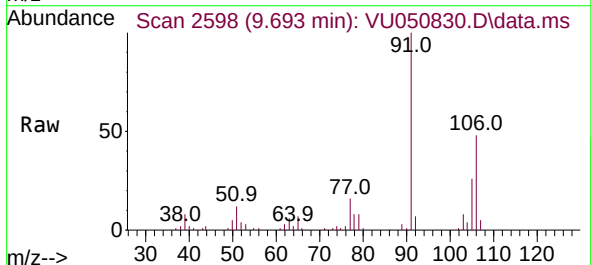
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

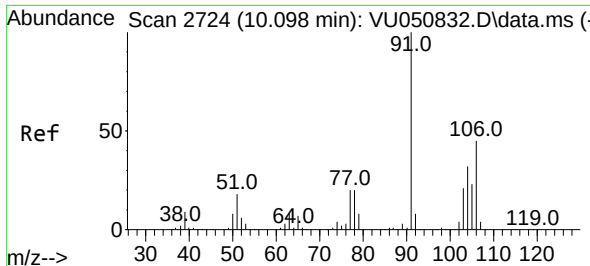
Tgt Ion: 91 Resp: 63608
Ion Ratio Lower Upper
91 100
106 31.1 21.0 39.0



#53
m,p-Xylene
Concen: 3.908 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 106 Resp: 22137
Ion Ratio Lower Upper
106 100
91 210.5 144.0 267.4

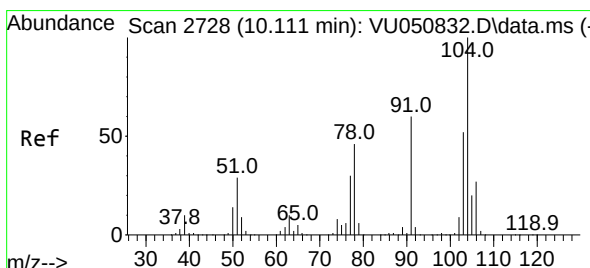
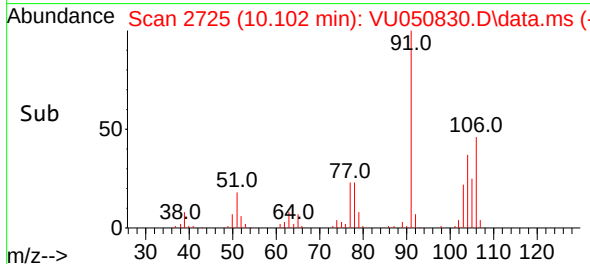
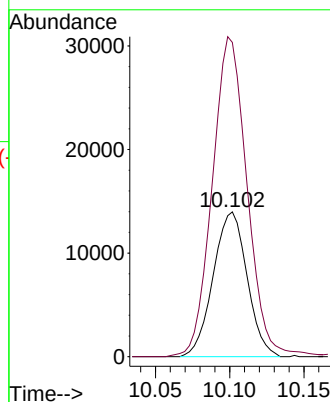
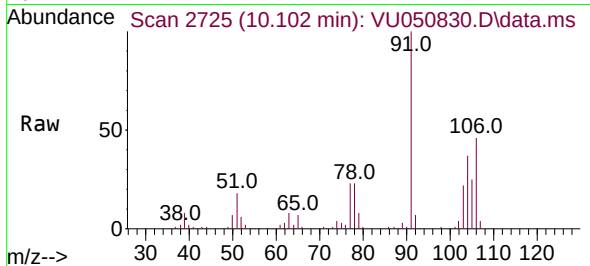




#54
o-Xylene
Concen: 3.965 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

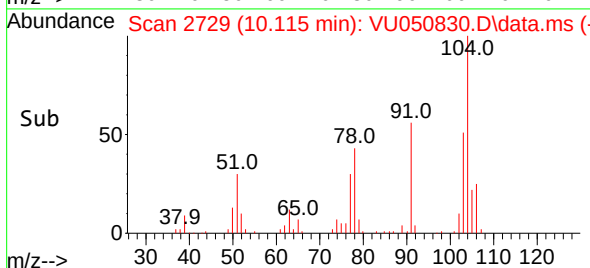
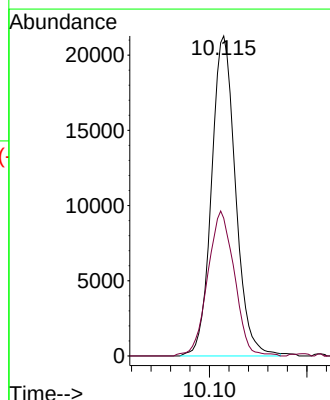
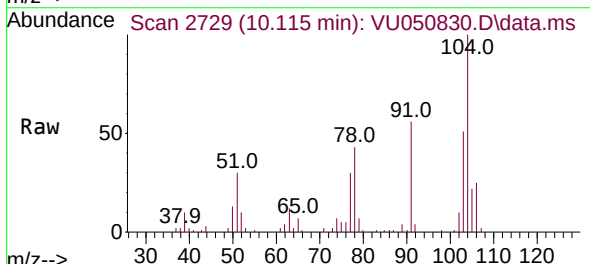
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

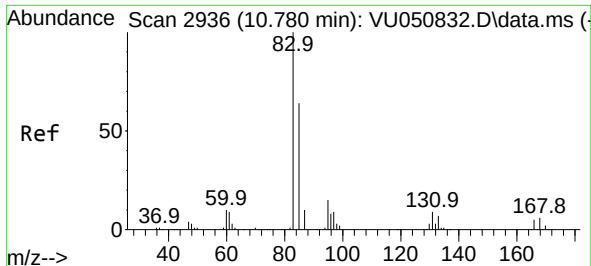
Tgt Ion:106 Resp: 22169
Ion Ratio Lower Upper
106 100
91 201.0 154.6 287.0



#55
Styrene
Concen: 3.918 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:104 Resp: 36452
Ion Ratio Lower Upper
104 100
78 43.1 32.4 60.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.093 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

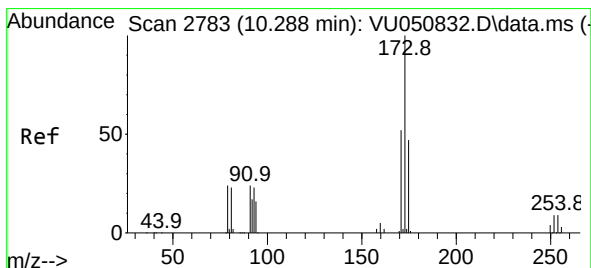
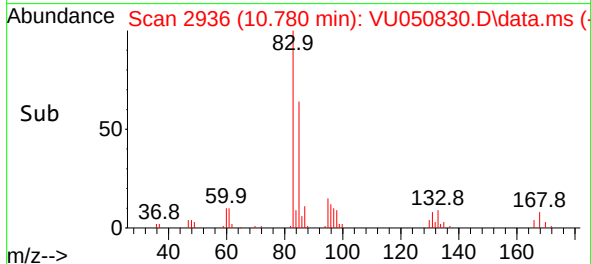
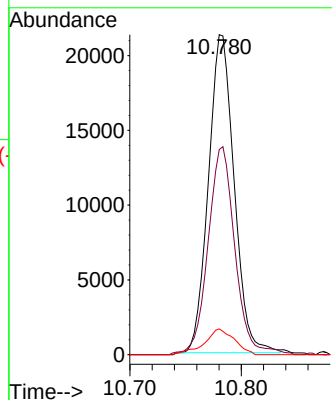
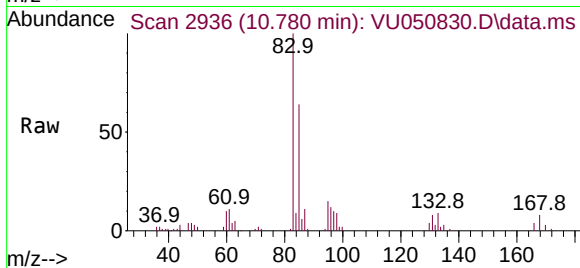
Tgt Ion: 83 Resp: 34202

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

131 8.0 7.1 10.7



#59

Bromoform

Concen: 5.243 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

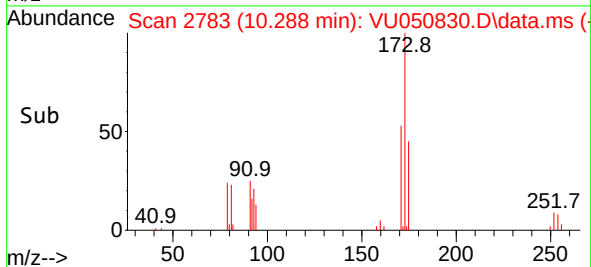
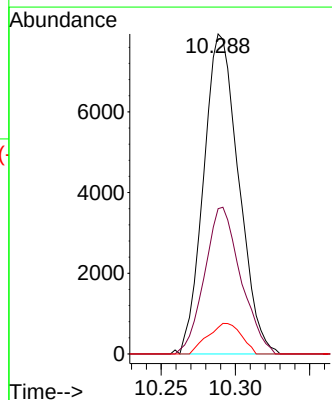
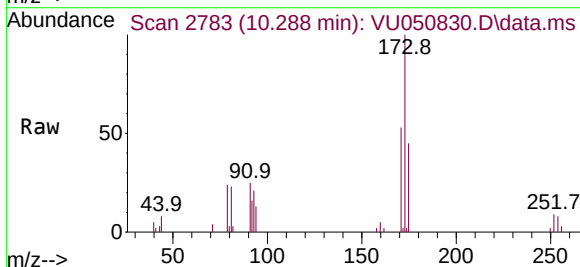
Tgt Ion: 173 Resp: 12983

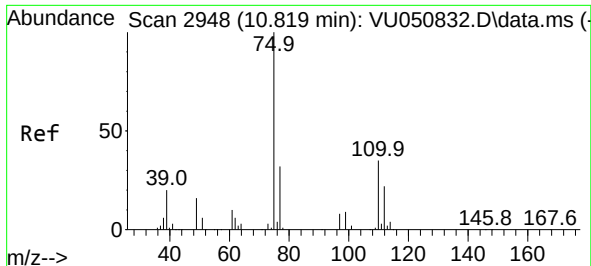
Ion Ratio Lower Upper

173 100

175 47.4 37.8 56.8

254 9.1 7.1 10.7

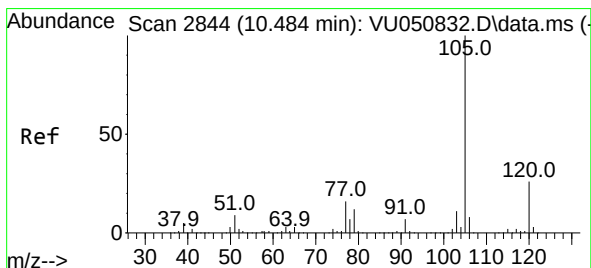
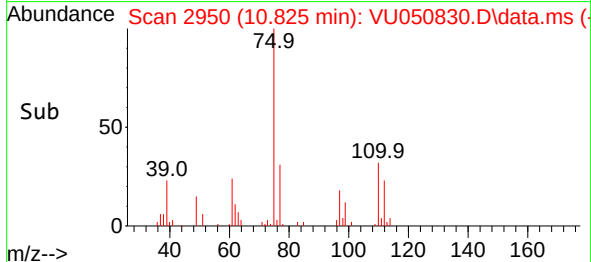
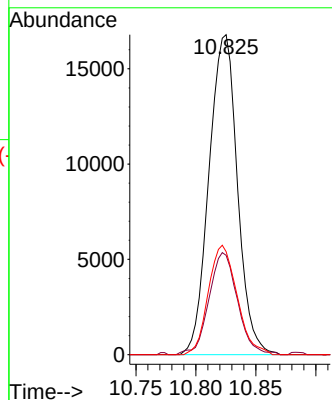
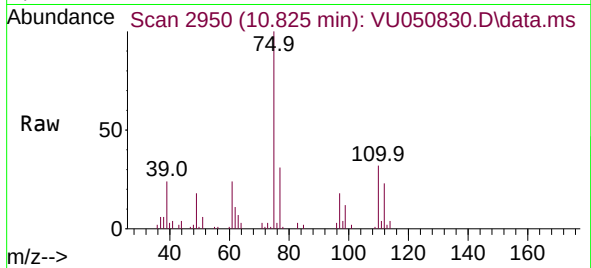




#60
1,2,3-Trichloropropane
Concen: 5.711 ug/L
RT: 10.825 min Scan# 2948
Delta R.T. 0.007 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

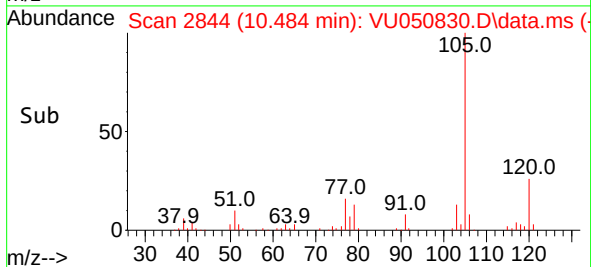
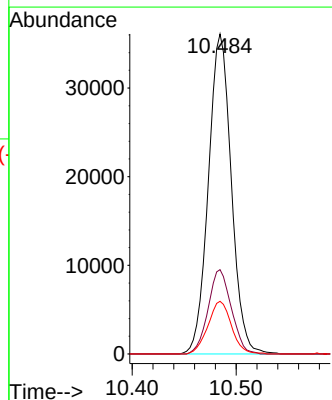
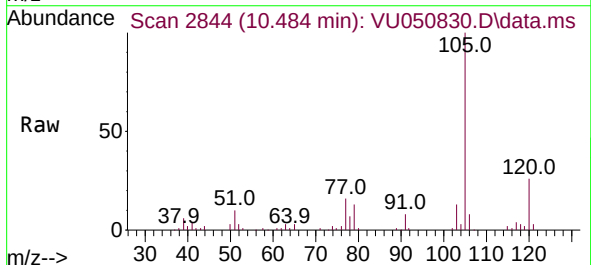
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

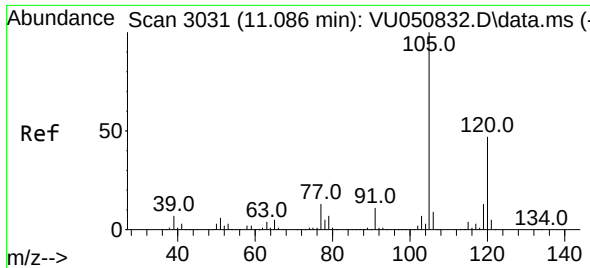
Tgt Ion: 75 Resp: 27700
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4
110 34.4 28.6 43.0



#61
Isopropylbenzene
Concen: 4.252 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion: 105 Resp: 55281
Ion Ratio Lower Upper
105 100
120 26.6 20.5 30.7
77 16.8 12.9 19.3

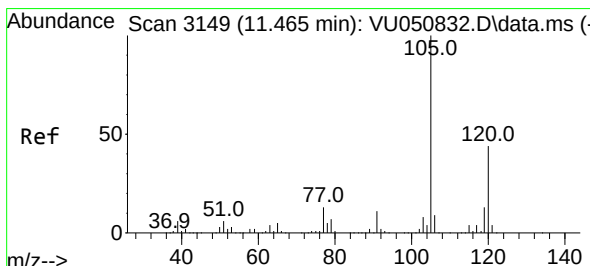
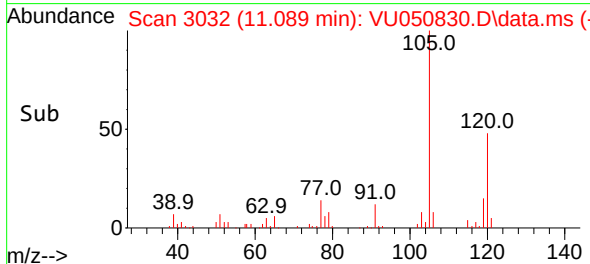
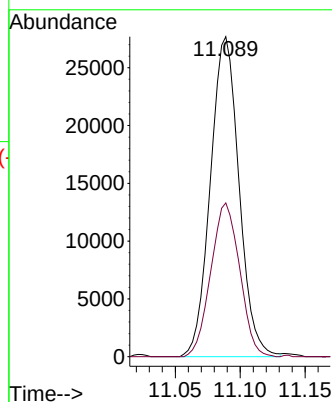
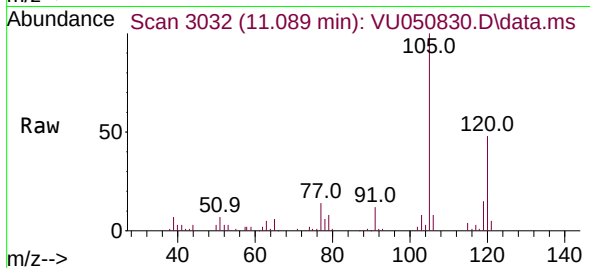




#62
1,3,5-Trimethylbenzene
Concen: 3.837 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

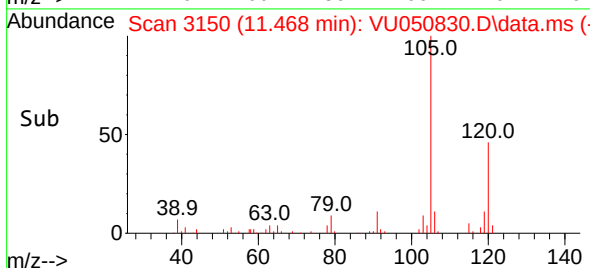
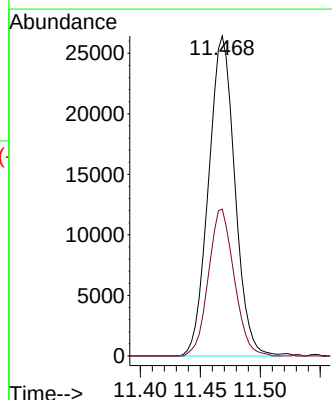
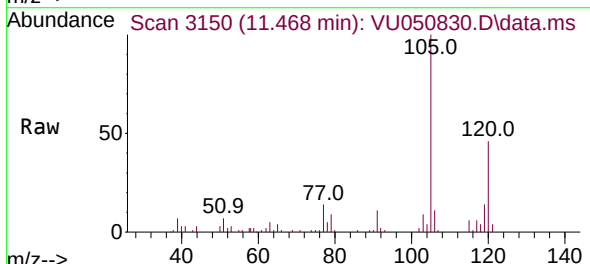
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

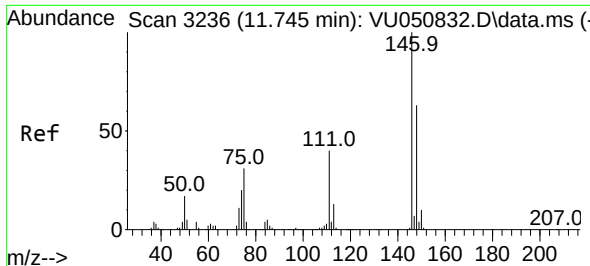
Tgt Ion:105 Resp: 42456
Ion Ratio Lower Upper
105 100
120 48.3 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 3.773 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:105 Resp: 40347
Ion Ratio Lower Upper
105 100
120 44.8 34.9 52.3

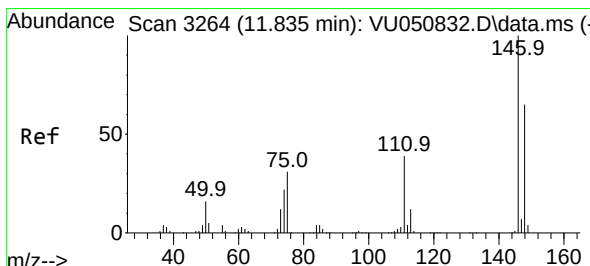
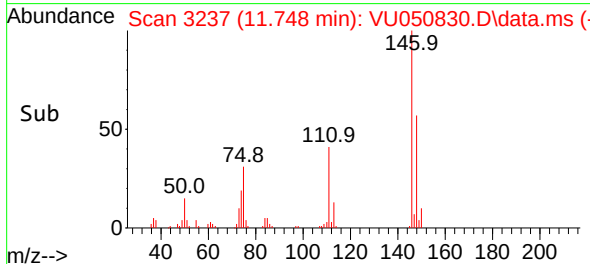
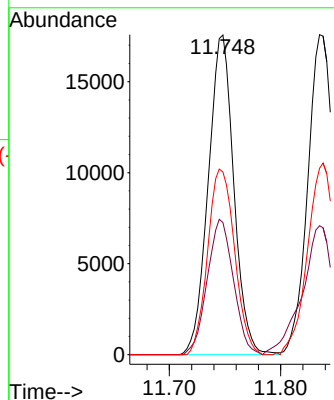
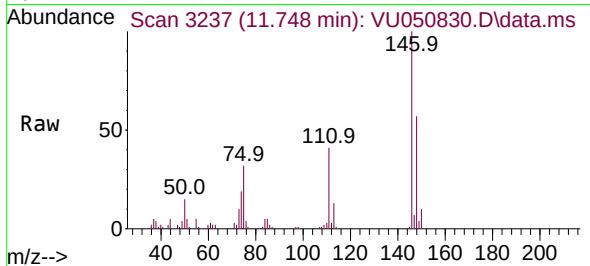




#64
1,3-Dichlorobenzene
Concen: 4.874 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

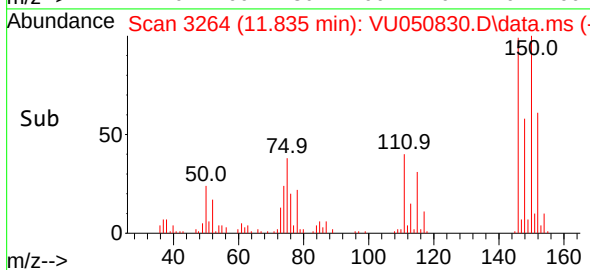
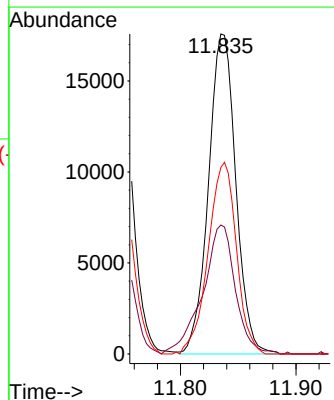
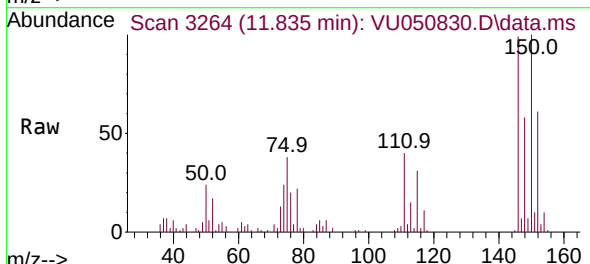
Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

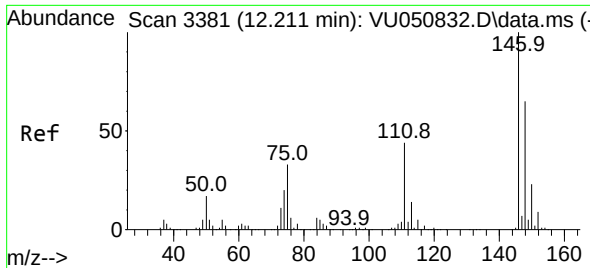
Tgt Ion:146 Resp: 28004
Ion Ratio Lower Upper
146 100
111 41.3 27.9 51.7
148 57.2 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.097 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:146 Resp: 28943
Ion Ratio Lower Upper
146 100
111 40.3 27.5 51.1
148 58.3 45.4 84.2

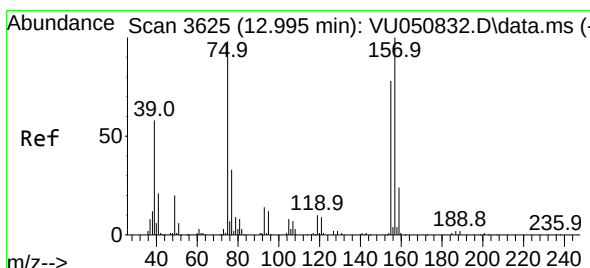
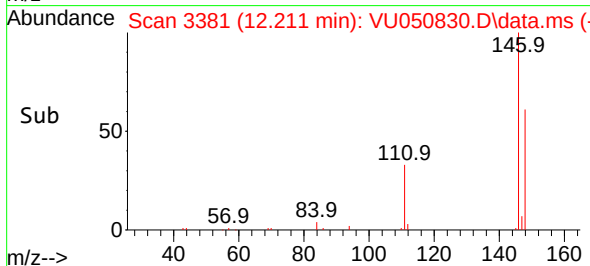
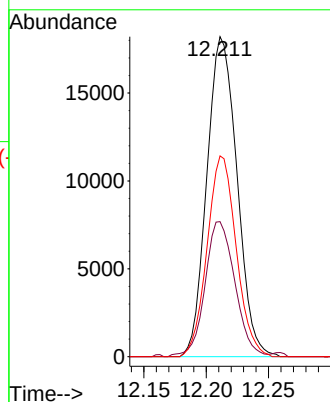
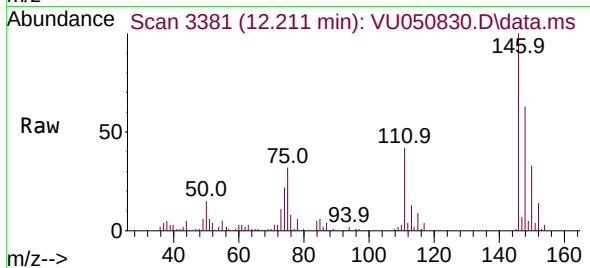




#67
 1,2-Dichlorobenzene
 Concen: 5.025 ug/L
 RT: 12.211 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU050830.D
 Acq: 20 Sep 2022 13:50

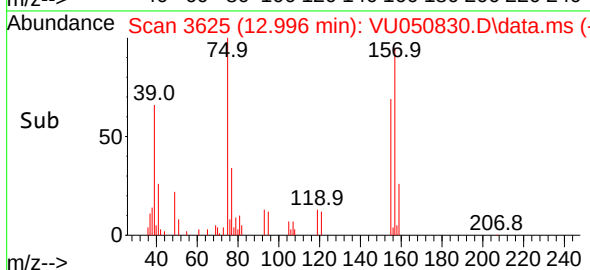
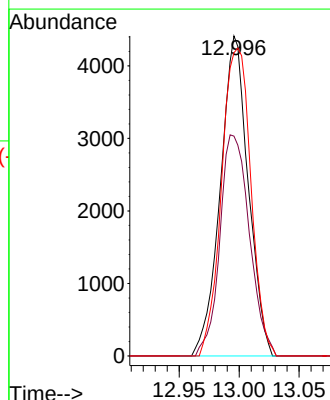
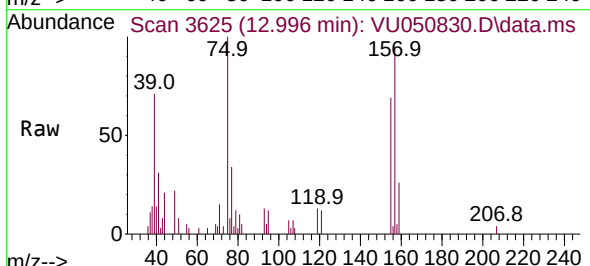
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005031

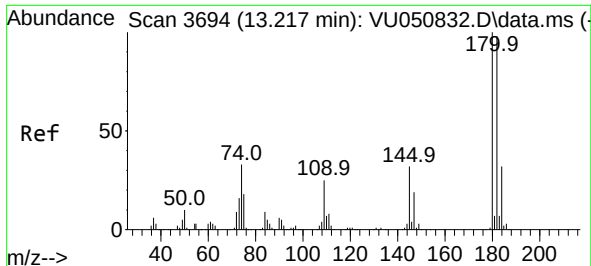
Tgt Ion:146 Resp: 30675
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.2 52.8
 148 62.7 52.0 78.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.490 ug/L
 RT: 12.996 min Scan# 3625
 Delta R.T. 0.000 min
 Lab File: VU050830.D
 Acq: 20 Sep 2022 13:50

Tgt Ion: 75 Resp: 7156
 Ion Ratio Lower Upper
 75 100
 155 68.7 63.8 95.8
 157 94.7 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 4.843 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005031

Tgt Ion:180 Resp: 19917

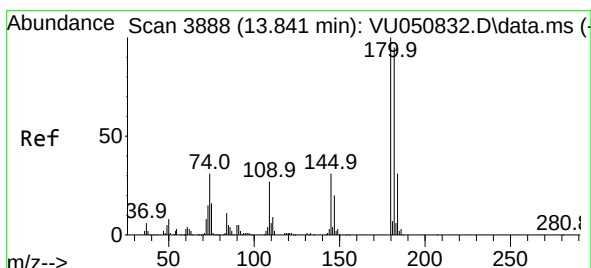
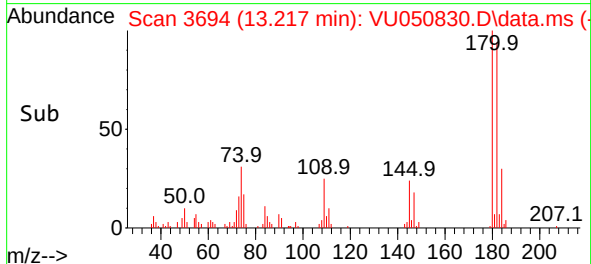
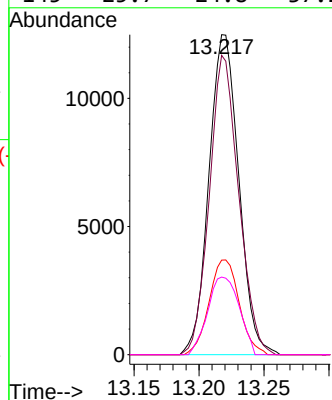
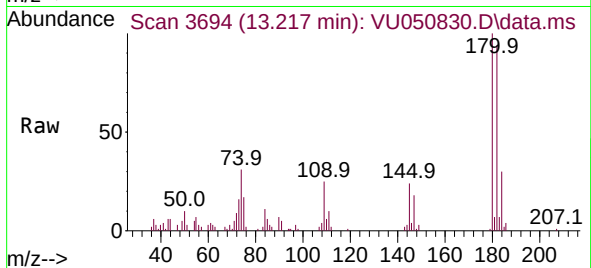
Ion Ratio Lower Upper

180 100

182 91.8 78.2 117.2

184 29.9 24.8 37.2

145 25.7 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 4.320 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU050830.D

Acq: 20 Sep 2022 13:50

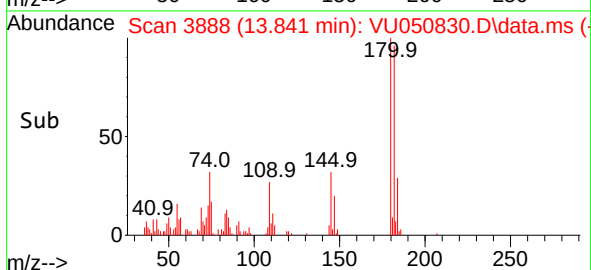
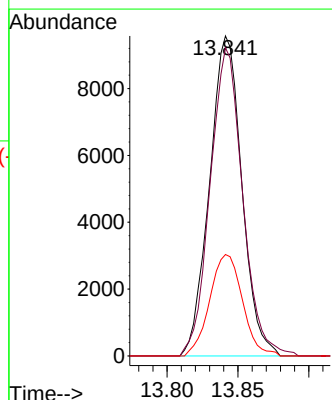
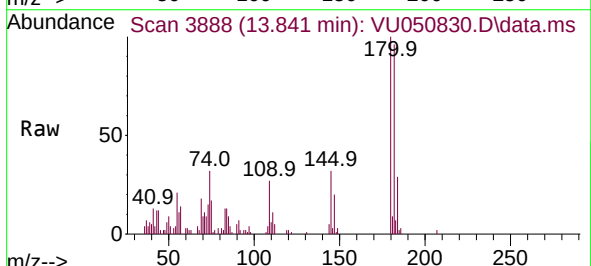
Tgt Ion:180 Resp: 15176

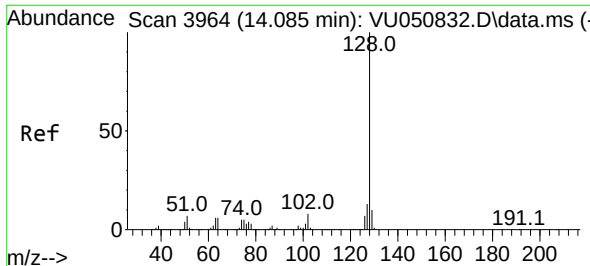
Ion Ratio Lower Upper

180 100

182 96.8 76.2 114.2

145 32.1 25.1 37.7

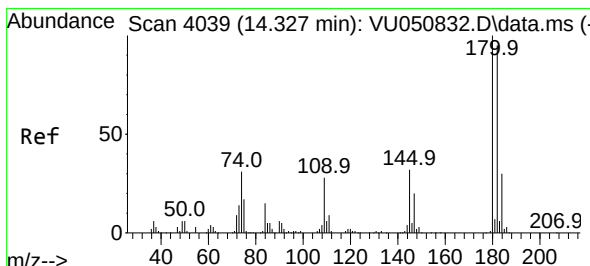
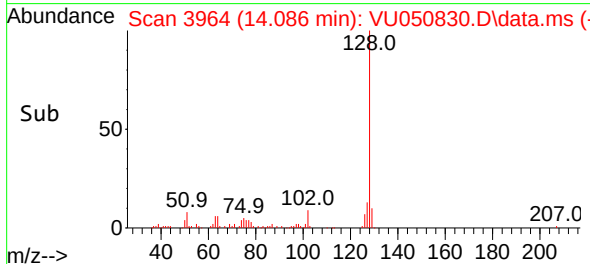
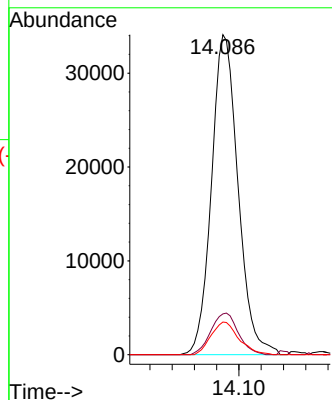
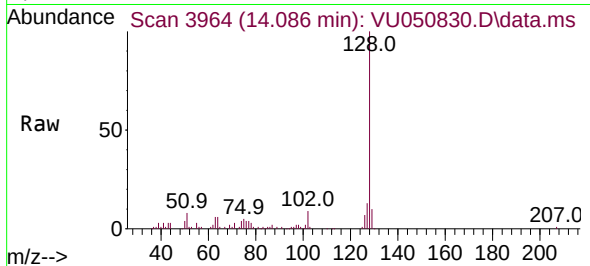




#71
Naphthalene
Concen: 4.439 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005031

Tgt Ion:	128	Resp:	56519
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.6	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 4.529 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU050830.D
Acq: 20 Sep 2022 13:50

Tgt Ion:	180	Resp:	17291
Ion Ratio	Lower	Upper	
180	100		
182	97.8	76.9	115.3
145	36.1	26.3	39.5

